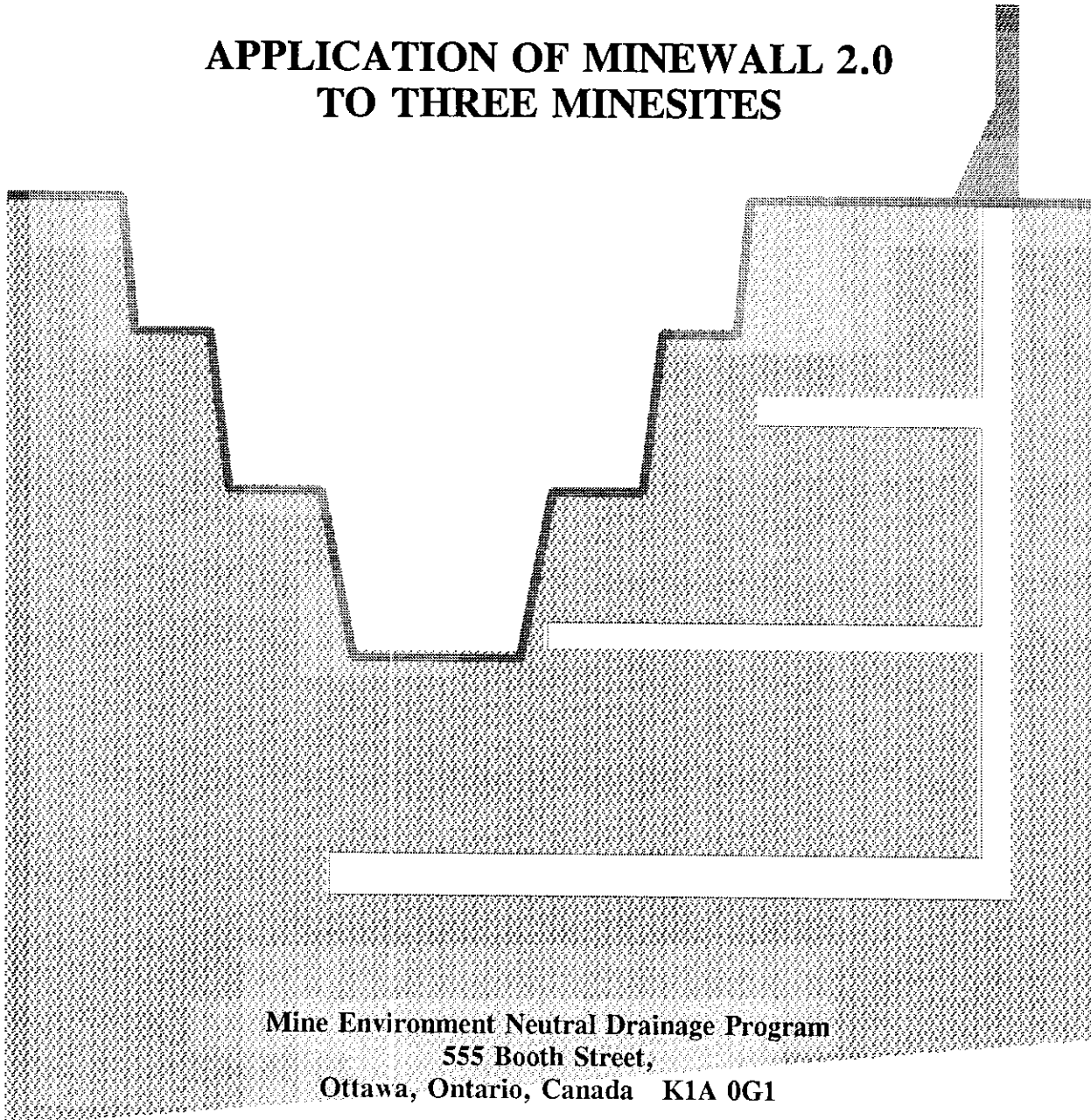


MINEWALL 2.0

APPLICATION OF MINEWALL 2.0 TO THREE MINESITES



**Mine Environment Neutral Drainage Program
555 Booth Street,
Ottawa, Ontario, Canada K1A 0G1**

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1. INTRODUCTION AND OBJECTIVES

Minesites can consist of many components including the mine itself (pits and underground workings), tailings impoundments, waste-rock dumps, ore stockpiles, plantsites, building foundations, and roads. Any component can affect the chemistry of water flowing over, or through, it by various geochemical processes. These processes include the leaching of metals and nonmetals at neutral, acidic, and alkaline pH and the oxidation of sulfide minerals.

Case studies of water chemistry and geochemical processes in tailings impoundments are generally available (e.g., Jambor and Blowes, 1994). Similar studies for mine-rock piles including roads and foundations are less common, but still available (e.g., Morin et al., 1991). However, geochemical investigations of pits and underground workings ("mines") are rarer.

In order to better understand and predict water chemistry in and around mines in Canada, the Canadian Mine Environment Neutral Drainage (MEND) Program and the British Columbia Acid Mine Drainage Task Force sponsored a project now known as MINEWALL 1.0 (Morin, 1990). That study involved (1) a literature review, (2) a one-time geochemical assessment of the Main Zone Pit at Equity Silver Mines (British Columbia), (3) the development of a rudimentary site-specific computer program for predicting pit-water chemistry (MINEWALL 1.0), and (4) recommendations for conducting pit-water assessments.

MEND and the Task Force decided to expand and refine MINEWALL, leading to MINEWALL Version 2.0. This is one of four reports describing MINEWALL 2.0, which is both a simple technique for predicting water chemistry in mines and a computer program to assist with predictions for complex scenarios. MINEWALL 2.0 is based on literature reviews of relevant theory, testwork, and past studies, some over 30 years old (summarized in Morth et al., 1972). As a result, the technique and program were designed to be flexible and widely adaptable to many site-specific conditions.

The following sections of this report present the results of simulating three mines with

MINEWALL 2.0. Because MINEWALL is a relatively new technique, not all required information was available for the simulations (Appendix A), but company reports have provided much of the input data. Other input values were estimated or obtained by fitting monitoring data to simulations of current conditions. As a result, this report also illustrates the importance of various input data and the strengths and weaknesses of the MINEWALL 2.0 computer program.

In addition to this Application report, there are three other related reports. The first is a User's Manual for the computer program. This Application supplements that document by illustrating the use of the program and input data. However, this report is not a substitute for the User's Manual and the reader should be familiar with it before proceeding.

The second related report is the Programmer's Notes and Source Code. That document discusses some of the more technical aspects of MINEWALL's programming and contains a listing of MINEWALL 2.0's roughly 24,000 lines of code. The third related report is the Literature Review and Conceptual Models which presents the conceptual models and case studies on which the design of MINEWALL 2.0 was based.

2. PLACER DOME'S EQUITY SILVER MINES

Equity Silver Mines, now closed, is located in central British Columbia and consisted of several open pits, waste-rock dumps, and a tailings impoundment (Equity Silver Mines, 1989; Patterson, 1990). As part of the MINEWALL 1.0 studies (Morin, 1990), the Main Zone Pit at Equity Silver Mines In British Columbia was studied and simulated. Because the simulation was made by the rudimentary MINEWALL 1.0 program, it is re-simulated here for comparison.

2.1 Input Data

The primary question to be answered by the simulation was whether the pit water would become acidic as the pit filled naturally. During operation, the pit was consistently pH-neutral typically between 6.8 and 8.2, but acidic drainage from adjacent waste rock and tailings raised the concern over pit water. MINEWALL 1.0 indicated the pit water would remain pH-neutral for at least decades. To re-address this question, pH and concentrations of acidity, alkalinity, and sulfate (the minimum parameters for a MINEWALL 2.0 simulation) were again predicted through time.

At Equity Silver's Main Zone Pit, four MINEWALL Stations were established with an additional Station located in the adjacent Southern Tail Pit (Morin, 1990) in order to define unit-area reaction rates. These stations were rinsed only once, so variations of reaction rates through time remain unknown, which means that any decrease in rates caused by a "shrinking core" or by limitation of oxygen diffusion remains undefined.

Based on the single rinse event, unit-area reaction rates were calculated (Morin, 1990) from chemical analysis and volume of the rinse water, isolated area of each station, and elapsed time since last rinse (rainfall). Three of those Stations, Nos. 1, 4, and 5, were considered representative and were thus averaged and used in the simulations.

Most of the input data were taken from the MINEWALL 1.0 studies and is reproduced in Appendix C of this report. Appendix C is a formatted copy of the "Write Report" Output option in MINEWALL 2.0 (see User's Manual).

Since the original MINEWALL 1.0 simulation, knowledge of geochemical processes behind metal leaching and acidic drainage has improved. For the simulation of Equity Silver Mines, this led to several important revisions in the input data.

Firstly, there is better recognition that not all neutralization potential (NP) detected in an Acid-Base Account is available and reactive. As a result, rock with a detectible NP can also produce net acidity at the time of analysis. The amount of unreactive NP varies among minesites and rock types at a minesite, but is often reported in the range of 5 to 15 t CaCO_3 /1000 t. The value for Equity is not known, but is assumed here to be 10 t CaCO_3 /1000 t. As a result, the NP for the three rock units in the pit were adjusted by subtracting 10 from the value. This led to no reactive NP in Unit 3 (Volcanics #2) at the start of the simulation. Because reaction rates often accelerate in the absence of NP, the sulfate/acid-generation rate for Unit 3 was arbitrarily assumed to be five times higher than for the other two units.

Secondly, MINEWALL 1.0 used the measured leaching rate of alkalinity as the consumption rate of NP. In reality, alkalinity is the additional NP, sometimes derived from atmospheric CO_2 , after the acidity represented by sulfate is neutralized. The amount of NP consumed during neutralization can be estimated, if mineralogy is delineated properly, from aqueous concentrations of calcium, magnesium, sodium, and/or potassium (e.g., Ferguson and Morin, 1991; Morin and Hutt, 1994a). However, concentrations of these ions were not measured in the Main Zone Pit and thus an accurate estimate of NP consumption is not available. As a result, a consumption rate of two times that of acid generation is assumed and is reasonable for a carbonate-mineral-controlled system (Morin et al., 1995c and d).

Thirdly, work has been carried out recently, and is currently being assessed through MEND, on the correlation of one aqueous parameter with another (Morin and Hutt, 1993a;

Morin et al., 1995a and b). This "empirical" approach simplifies the assessment and prediction of various geochemical reactions such as aqueous complexation, mineral precipitation-dissolution, and ion exchange. This simplification is achieved through the prediction of mean concentrations and seasonal variabilities based on the value of one independent parameter, typically pH. This empirical approach is included as an option in MINEWALL 2.0 and was hinted at in the MINEWALL 1.0 documentation. Based on the pH-concentration scatterplots in the MINEWALL 1.0 document, empirical relationships were developed for acidity and alkalinity in the Main Zone Pit:

$$\log_{10}(\text{Alk, mg/L}) = 0.301 \text{ pH} - 0.107$$

$$\log_{10}(\text{Acid, mg/L}) = -0.575 \text{ pH} + 4.313$$

These equations were mathematically inverted by MINEWALL in order to predict pH from the net balance of acidity or alkalinity. Sulfate concentrations were determined by simply mass balance and no additional geochemical controls were defined for it. As a result, sulfate concentrations could (but did not) exceed levels ordinarily set by gypsum solubility. This does not introduce any errors into the simulation, but indicates that predicted sulfate concentrations cannot be compared to any measured data as evidence of validity.

Fourthly, the maximum depth of oxidation was set at 0.01 m, greater than the value of 0.002 m in the MINEWALL 1.0 report. This adjustment reflects the ongoing oxidation and leaching in the pit walls, which had reached 0.002 m in 1990. For the simulations, the adjustment makes no difference in the predictions, because this thickness is not depleted during the time of simulation. Additionally, no decay factor has been included in the reaction rates to simulate a "shrinking core" or similar scenario behind the walls, due to lack of rate data over extended periods of time.

2.2 Results of Simulations

The major input parameters that could not be estimated or measured were the percentages of rock surfaces that were flushed regularly, periodically, and not during Operation.

Consequently, these percentages were obtained by calibrating MINEWALL 2.0 to Operational conditions and adjusting the percentages until reasonable matches to Operational pH were obtained (Figure 2-1). For example, an unreasonably high percentage of periodically flushed and regularly flushed surfaces created anomalously high or low pH values in the pit sump, which had never actually been measured. Conversely, an unreasonably low percentage created low or high pH

values, due to simple dilution of alkalinity (the relationship of pH to alkalinity is discussed in Section 2.1) or the dominant alkalinity from saturated groundwater flow, respectively.

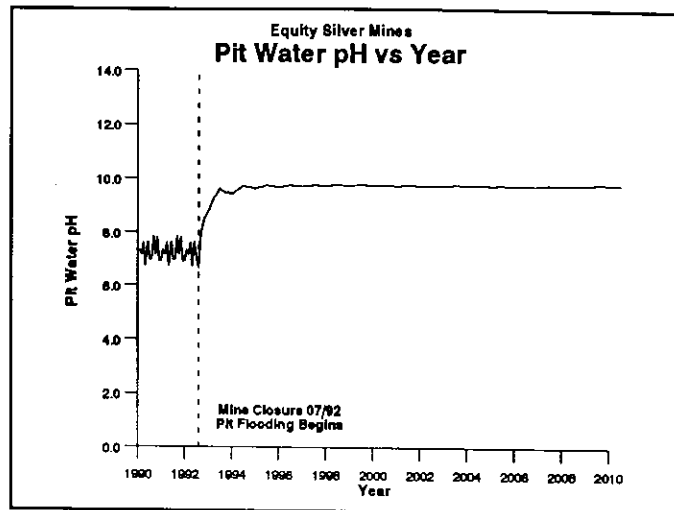


FIGURE 2-1. Simulated pH in the Main Zone Pit at Equity Silver Mines.

The best-fit calibration of MINEWALL 1.0 indicated that 28%, 2%, and 70% of the rock surfaces were flushed regularly (monthly), periodically, and not during Operation, respectively. The best-fit simulation by MINEWALL 2.0 (Appendix C) confirmed that these are reasonable values, but the simulated results were essentially unaffected by changes in the first value below roughly 40%.

After the calibration to Operational data, MINEWALL was then used in predictive mode for Closure. The best-fit simulation indicated that pH would quickly rise from around 7 during Operation to almost 10 early in Closure (Figure 2-1) due to the flushing of accumulated net alkalinity from the rock surfaces. In reality, pH may not reach 10 due to aqueous buffering and mineral solubility, but the important conclusion is that the pit water is not expected to become acidic, in agreement with predictions of MINEWALL 1.0.

3. NORANDA MINERAL'S BELL MINE

Bell Mine is located near Granisle in central British Columbia. This open-pit mine closed in 1993 after operating for about twenty years and a formal Closure plan was submitted in 1993 for regulatory approval (Noranda Minerals Inc., 1993; McArthur and Gallinger, 1994). A portion of the Closure plan involved an assessment of acidic drainage and metal leaching based on over 200 acid-base accounts, seven humidity cells, four sizes of leach testwork (1 kg to 30 t), and over 10 years of monitoring data around the minesite (Morin and Hutt, 1993a and b; Morin et al., 1995a). This information provided most of the information for the MINEWALL simulations of Bell Mine.

3.1 Input Data

As part of MINEWALL 2.0 studies, six MINEWALL Stations were established on various rock types and underwent four rinses over a period of two months (Appendix B). Reactive rock-surface area in this pit was estimated at a ratio of 28 m² of reactive surface for each m² of visible surface. The distribution and areas of each rock type were estimated from a geologic map of Bell Mine (Figure 3-1).

The data used in the simulation of this pit are listed in Appendix D. This information, except for the results of the MINEWALL Stations, was obtained from the closure documents. The decay of reaction rates through time was set as proportional to (elapsed days)^{-0.10}, based on temporal trends noted in the closure humidity cells.

Geochemical controls on aqueous pH and concentrations were simulated using empirical relationships developed for the closure plan. Based on the net balance of acidity and alkalinity, the pH was calculated from these equations. Concentrations of copper were then calculated based on the prevailing pH of the time interval. Sulfate concentrations were determined through mass balance, which allowed concentrations to exceed levels normally maintained by gypsum

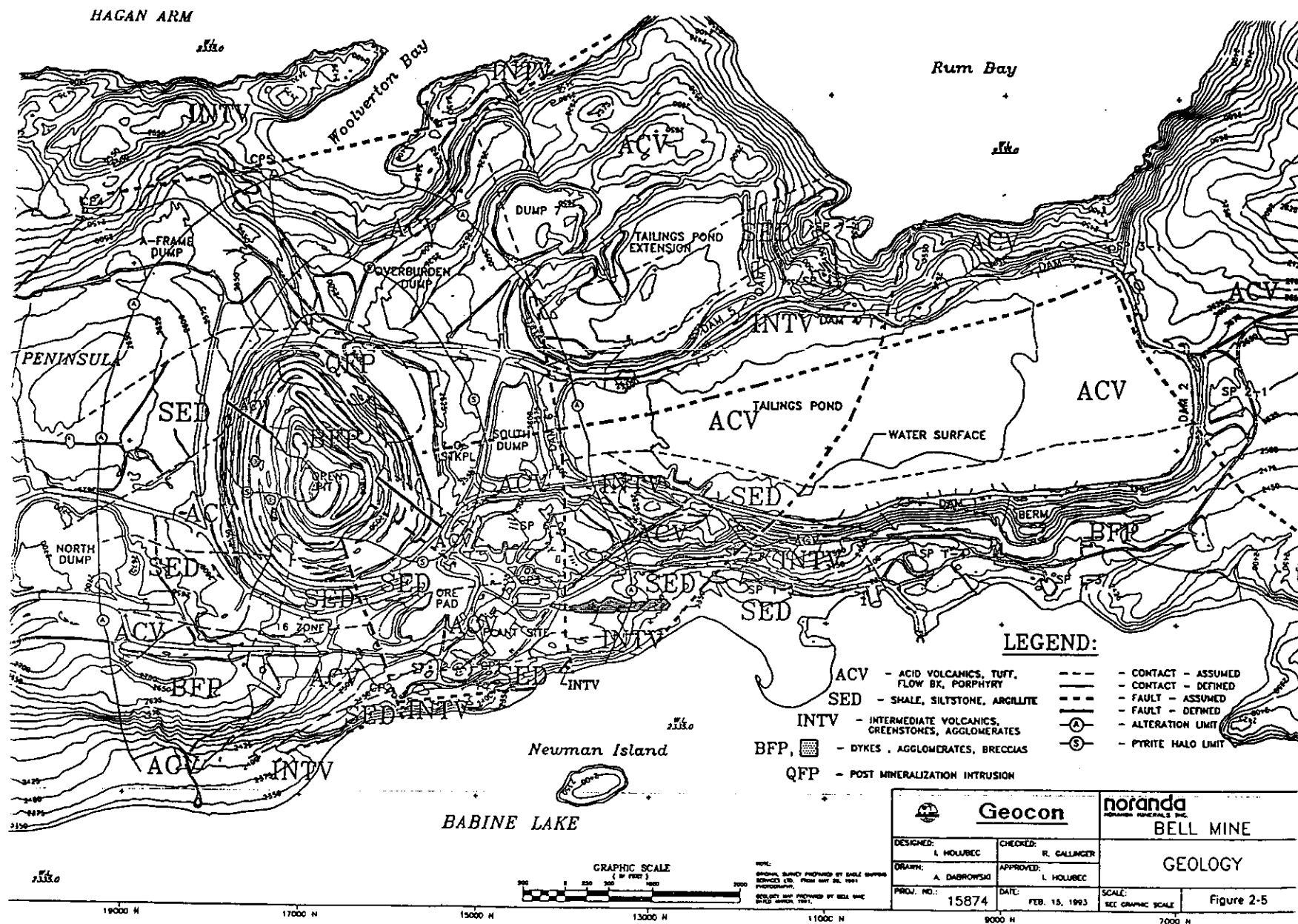


FIGURE 3-1. Geologic Map of Rock Units at Bell Mine (Noranda Minerals Inc., 1993).

solubility. This did not introduce any errors into the simulations, but provided an indication of total mass loadings prior to any geochemical reactions. This loading information can also be obtained from the "total loadings" option in the output routines of MINEWALL 2.0.

The closure documents indicate that the acid-base accounting of each rock unit is variable and most units have roughly the same mean values. The ABA samples from the MINEWALL stations continued to confirm the variability. As a result, the input levels of reactive sulfide were made identical for all units (2.0 wt-%S). Similarly, neutralization potential for all units was set at 40 t CaCO_3 /1000 t.

Reaction rates for submerged rock were set to zero. However, there is some debate on the reactivity of submerged sulfide minerals in contact with dissolved oxygen (e.g., Morin, 1993). MINEWALL contains an option for regulating subaqueous reaction rates through dissolved oxygen if a site requires this.

The closure documents for Bell Mine indicated that water with environmentally unacceptable chemistry will be pumped to the pit. This water is expected to be predominantly acidic after a few decades, but the pumpage for many years may be metal-bearing pH-neutral water. Consequently, there were two simulations made for Bell Mine Closure: pH-neutral and acidic pumpage.

3.2 Results of Simulations

The results of the best-fit simulations with pH-neutral and acidic pumpage, respectively, are listed in Appendix D. Average unit-area rates for each rock unit, based on the MINEWALL Stations (Appendix B), were used in the simulations, except for Tuff. The average rates from this unit caused the pit to be acidic during Operation, which was incorrect (Figure 3-2). Decreasing the rates of acid generation and neutralization in this unit by 25% allowed the other units to supply sufficient alkalinity to neutralize the acidity from the Tuff. This highlights the

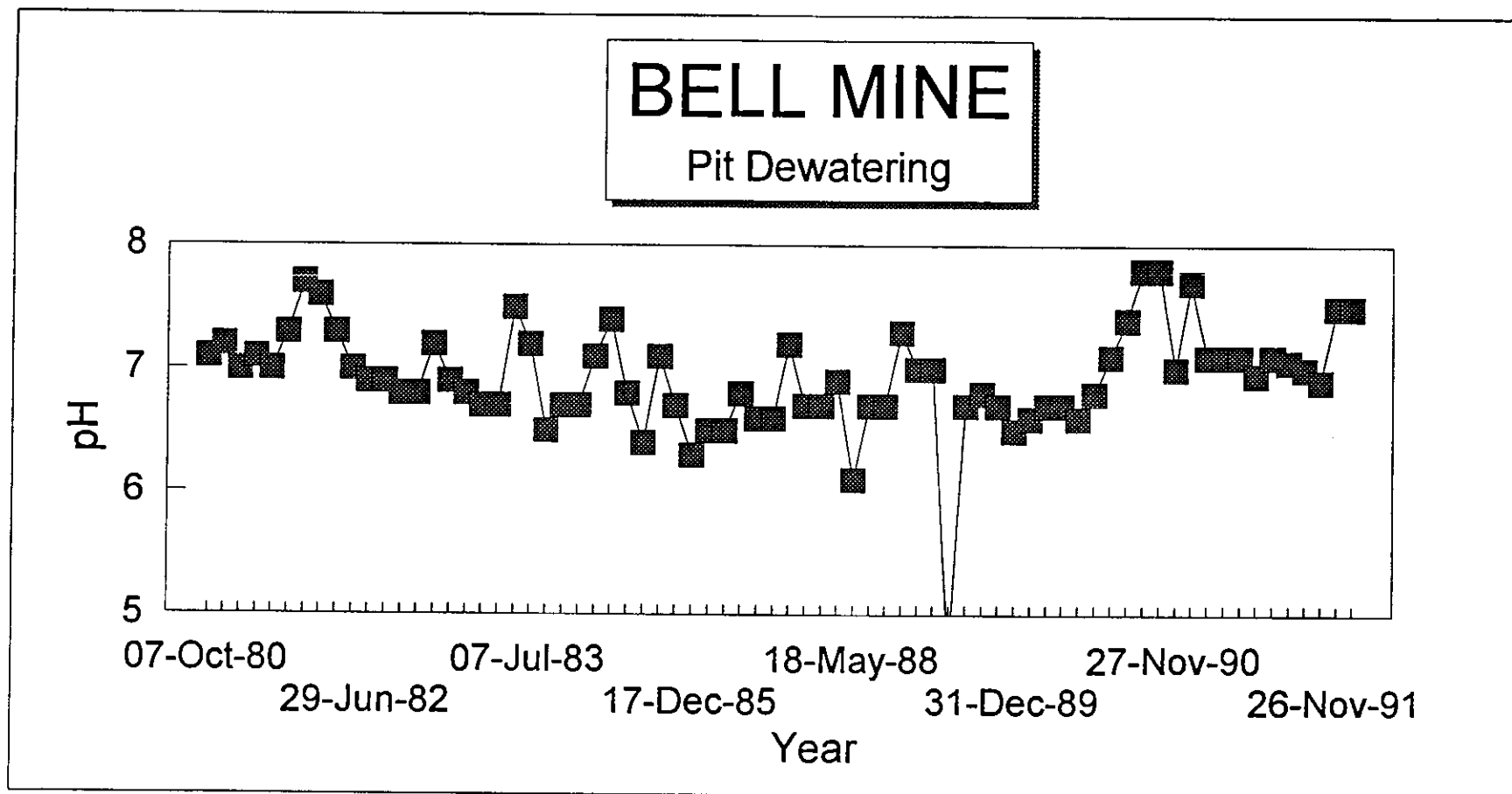


FIGURE 3-2. Measured pH in Pit Water Pumpage at Bell Mine.

sensitivity of the Bell Mine simulation to surface reaction rates.

The major input parameters that could not be estimated or measured were the percentages of rock surfaces that were flushed regularly, periodically, or not during Operation. Consequently, these percentages were obtained by calibrating MINEWALL 2.0 to Operational conditions and adjusting the percentages until reasonable matches to Operational pH (Figure 3-2) were obtained. The best-fit calibration indicated that 18%, 2%, and 80% of the rock surfaces were flushed regularly (monthly), periodically, and not during Operation, respectively. The simulations were not sensitive to minor changes in these values.

The two simulations of Closure were essentially identical for several decades (Figures 3-3 and 3-4). Afterwards, the acidic pumpage began to offset the alkalinity accumulated in the pit and caused pH to decrease towards 5. The anomalous jump in pH to 9 late in the acidic simulation was an artifact of the empirical equations which are not accurate at low concentrations of alkalinity and acidity. At that point, acidity dominated over alkalinity, but the small net acidity led to a predicted pH of 9.1. As net acidity increased quickly to typical site values, the pH quickly became more reasonable.

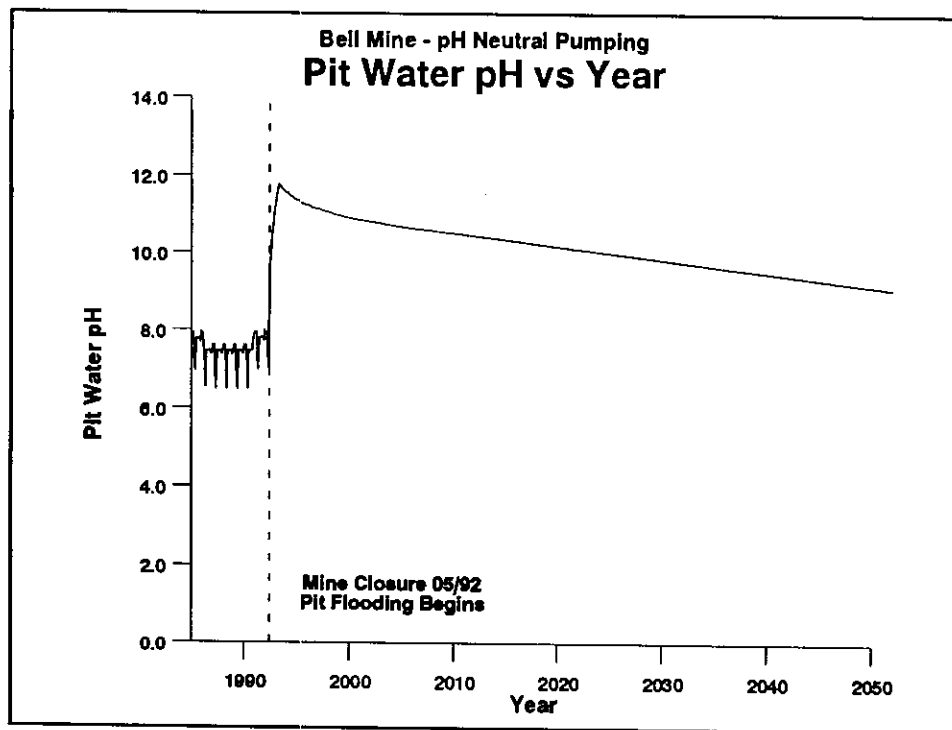


FIGURE 3-3. Simulated pH in Bell Mine Pit with pH-Neutral Pumpage.

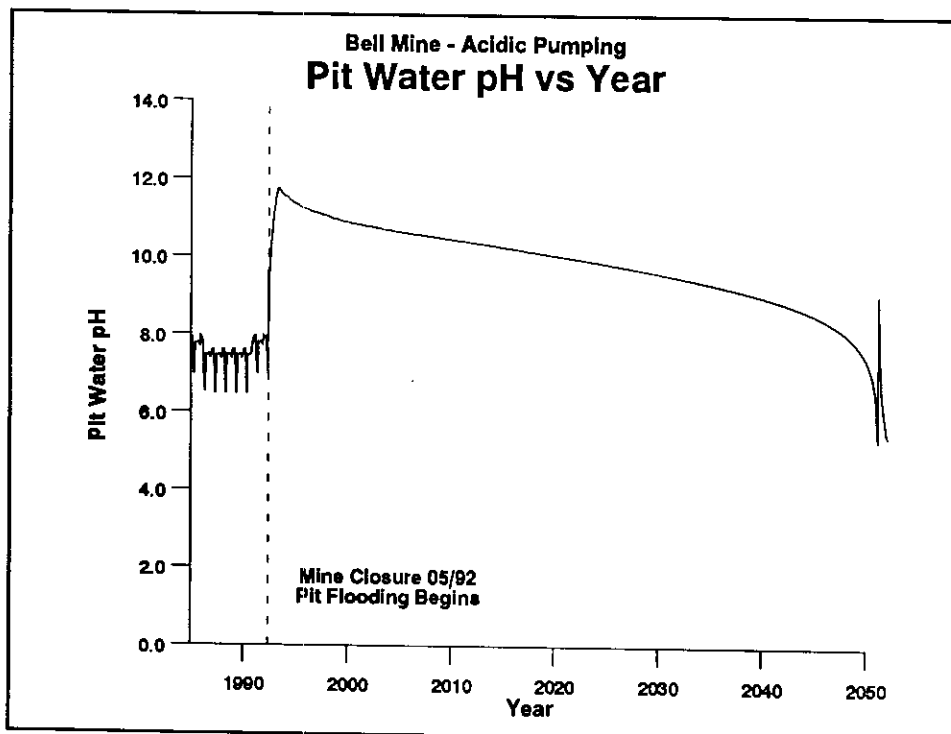


FIGURE 3-4. Simulated pH in Bell Mine Pit with Acidic Pumpage.

4. BHP CANADA'S ISLAND COPPER MINE

Island Copper Mine is located on the northern end of Vancouver Island, near Port Hardy, British Columbia. This mine has operated since 1971 and is expected to close in 1995 or 1996 (Horne, 1993; Island Copper Mine, 1994).

4.1 Input Data

Five MINEWALL Stations were established in the pit and rinsed 16 times over 1.5 years (Appendix B). Reactive rock-surface area was estimated at a ratio of 161 m² of reactive surface to 1 m² of visible surface. Other input values are listed in Appendix E.

The rock units in the upper pit, which will be exposed after flooding of the pit, have been qualitatively ranked by their contents of sulfide and neutralization potential (Figures 4-1 and 4-2 from Fleming, 1993). Average numeric values for these parameters were then estimated from the ranking data (Appendix E).

The distribution of the rock units in the upper pit is irregular and likely remains so to the bottom of the pit. Information near the middle depth of the pit for the south-wall pushback confirmed this (Island Copper Mine, 1988). As a result, the percentage of each unit on the upper wall from Fleming (1993) was assumed to be representative of the entire pit.

The fifth rock unit is actually in-pit waste rock, which is currently acidic. The total weight of waste rock is estimated at 11.5×10^6 t, representing an estimated reactive surface area of 3.1×10^8 m². This surface area exceeds that of most of the other units, making this waste rock one of the most important units. However, no reaction rates or other details are available for it, so it is assumed to be identical to the Strongly Acid Generating Unit (#4). For the simulations, 85% of the waste-rock surfaces are assumed to be flushed during Operation, consistent with waste-rock retention factors in the literature (e.g., Morin and Hutt, 1994b).

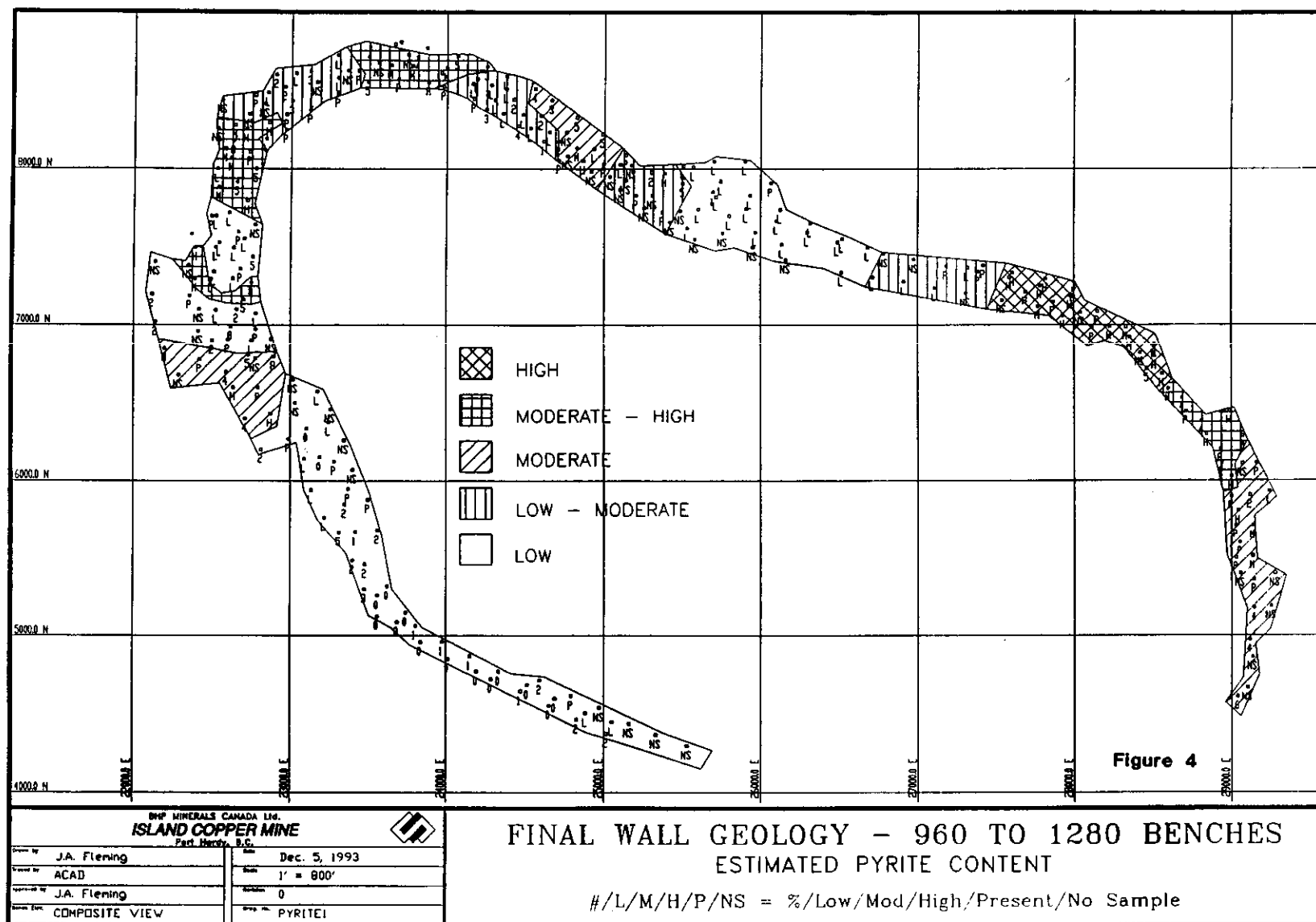


FIGURE 4-1. Estimated Pyrite Content of Upper Pit Walls at Island Copper Mine (Fleming, 1993).

Measured concentrations of most monitored parameters display a good correlation with pH at the minesite (Morin et al., 1995b), yielding empirical equations defining mean values and seasonal variabilities at various pH levels. As a result, aqueous pH in the simulations was calculated from the net balance of alkalinity and acidity through the empirical equations. Aluminum, cadmium, copper, and zinc were then determined from the simulated pH. Calcium was set at a specific value to simulate the observed stabilizing effect of gypsum solubility on its concentration. The amount of calcium thus lost from solution can be determined by subtracting the set value from the total-loadings values from MINEWALL output. Sulfate was calculated simply from mass balance, and thus could attain unrealistically high levels which did not affect the accuracy of the simulations.

There are two options for closing the Island Copper Pit: gradual filling and rapid flooding by seawater over a period of a few months. Both of these scenarios have been simulated by MINEWALL 2.0. In both cases, acidic drainage from on-land waste-rock dumps will be directed into the pit after Closure, which was defined as "Pump #2" in the simulations. Chemical data for seawater and waste-rock drainage were taken from closure reports. An important source of alkalinity for the pit water, saturated groundwater, was guessed due to the lack of monitor wells near the pit.

4.2 Results of Simulations

The results of the best-fit simulations are listed in Appendix E. The major input parameters that could not be estimated or measured were the percentages of rock surfaces that were flushed regularly, periodically, and not during Operation. Consequently, these percentages were obtained by calibrating MINEWALL 2.0 to Operational conditions and adjusting the percentages until reasonable matches to Operational pH (Figure 4-3) were obtained. The best-fit calibration indicated that 30%, 5%, and 65% of the rock surfaces were flushed regularly (monthly), periodically, and not during Operation, respectively.

ISLAND COPPER MINE

Pit Dewatering Station

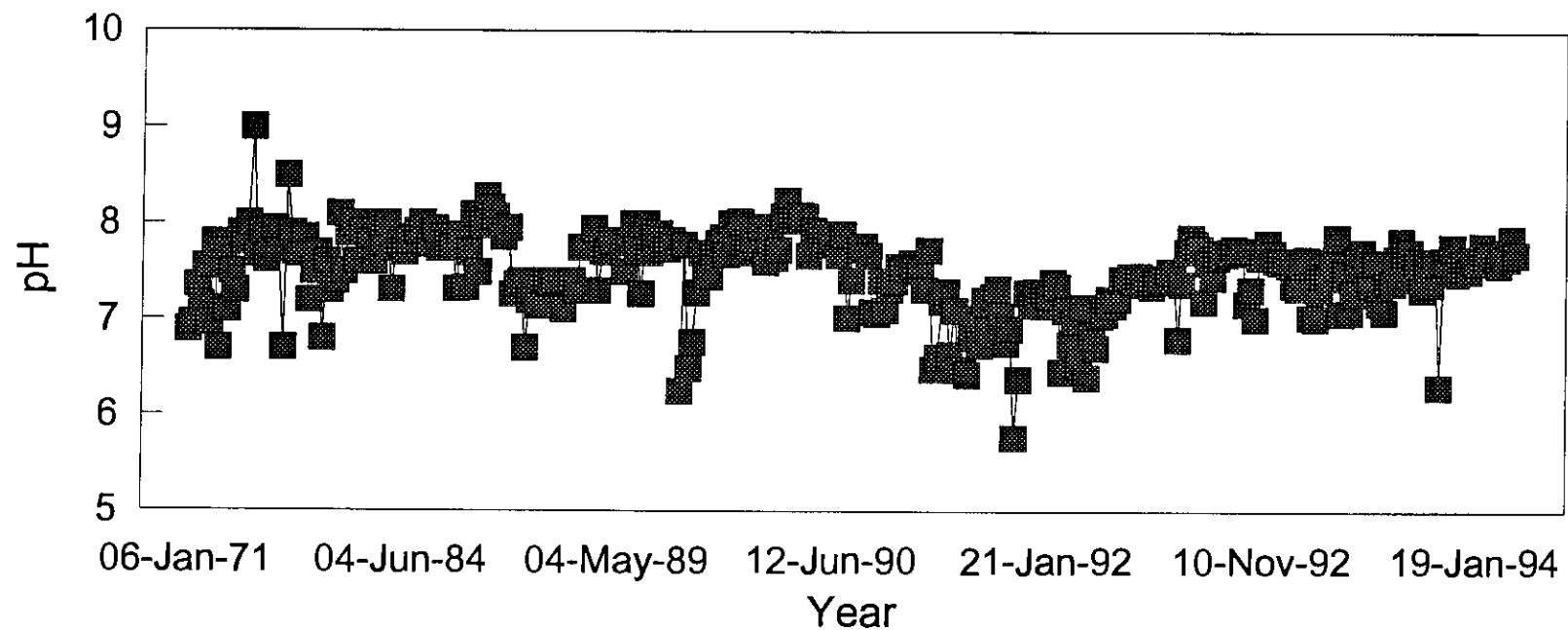


FIGURE 4-3. Measured pH in Pit Dewatering at Island Copper Mine.

These percentages of surfaces were fine-tuned only after generally reasonable pH levels were obtained. However, obtaining initial reasonable pH values was difficult for this pit for two reasons: highly variable precipitation and discrete carbonate-mineral bands in wall rock providing significant alkalinity. Since pH was calculated from net alkalinity, heavy rainfall months of November, December, and January produced significant dilution, which in turn caused pH to incorrectly fall to 4-5, which has not been observed in pit pumpage (Figure 4-3). As a result, precipitation during these three months was given an alkalinity of 20 mg/L. The opposite problem arose during the dry month of July when pH approached 10. To stabilize this pH, precipitation was given an acidity of 300 mg/L.

The artificial assignment of alkalinity and acidity to rainfall is the result of (1) the prediction of pH solely from net alkalinity and (2) the distribution of carbonate minerals as bands in the pit (Fleming, 1993), which have not been evaluated in detail. The first problem requires equilibrium-chemistry routines, which are not available in MINEWALL 2.0. The second problem is more important.

Despite artificial additions of alkalinity, simulated pH values remained anomalously low and required a significant addition of alkalinity. This was attributed to the carbonate bands in the pit walls, which were not monitored by any MINEWALL Stations. These bands must release a great deal of alkalinity each month, because the estimated alkalinity of saturated groundwater inflow had to be raised from 200 mg/L to 1200 mg/L before reasonable pH levels were obtained (Figure 4-4). In any case, after this task, the percentages of flushed rock surfaces were refined, resulting in the best-fit simulations of the closure scenarios.

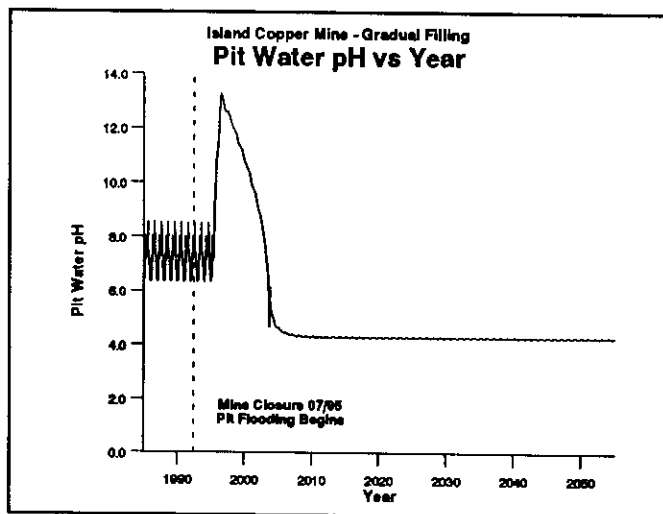


FIGURE 4-4. Simulated pH in Island Copper Pit with Gradual Filling.

For the first scenario of gradual filling after Closure, the first simulation (not shown) indicated the pit would fill within a few years due to flow from the surrounding waste-rock dumps and other flows. Also, pH was found to stabilize over the long term at 6.0-6.3 over an annual period. To investigate the effect of adding more acidic drainage from the surrounding on-land dumps, the flow of acidic drainage from these dumps was multiplied by 30, resulting in an 30-fold

increase in loading of acidity and metals to the pit. For this simulation (Figures 4-4 and 4-5), the pit again filled the pit within a few years. However, the acidic drainage from the dumps overwhelmed net alkalinity within a few years with pH falling below 6 by Year 2003 and zinc proportionally increasing. The pH of the pit water then stabilized around 4.3 with a zinc concentration of 300 mg/L. These acidic conditions are apparently due primarily to the pumpage of acidic drainage into the pit, rather than the exposed pit walls which still contained excess neutralization potential.

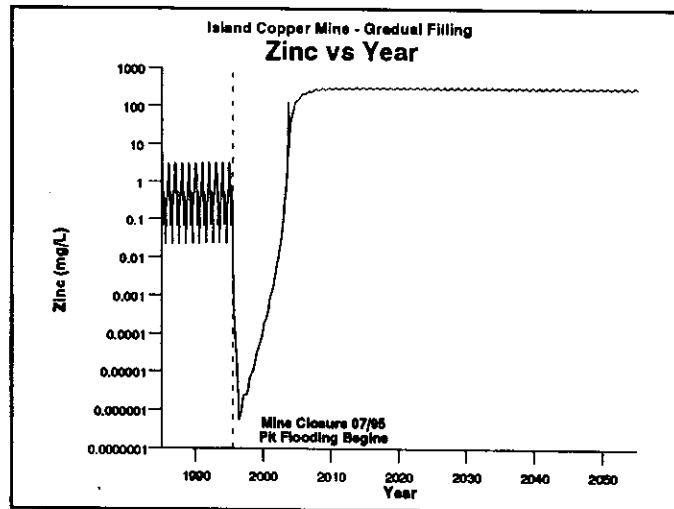


FIGURE 4-5. Simulated Zinc in Island Copper Pit with Gradual Filling.

In the second scenario of seawater flooding (Figures 4-6 and 4-7), the pit filled within a few months and pH reached over 12 as accumulated alkalinity and seawater alkalinity raised total alkalinity to artificially high levels. As dilution and seawater mixing continued, pH fell and stabilized around 8.5 with a zinc concentration of 0.025 mg/L. As a result, the upper, exposed pit walls,

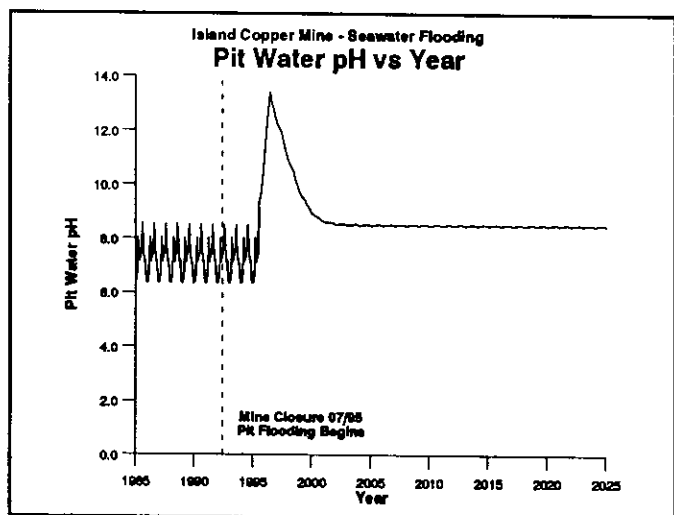


FIGURE 4-6. Simulated pH in Island Copper Pit with Seawater Flooding.

which still contained excess neutralization potential, and acidic pumpage (30-fold over that expected; see first scenario above) had negligible effect in the simulation of this scenario.

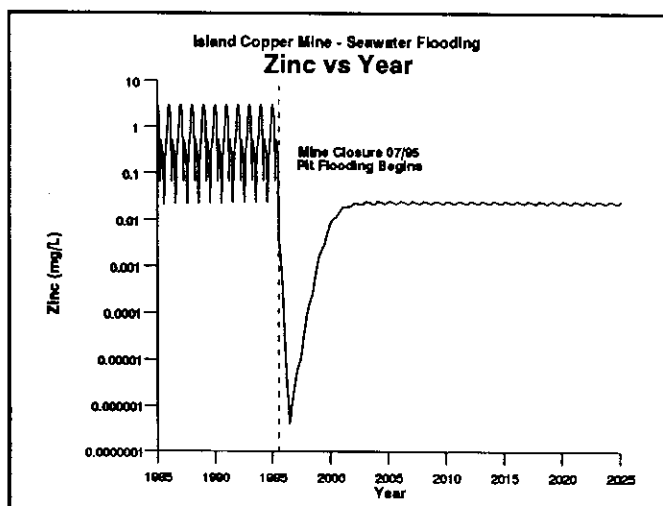


FIGURE 4-7. Simulated Zinc in Island Copper Pit with Seawater Flooding.

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APPENDIX A.

Data Requirements for MINEWALL 2.0 Simulations

MINEWALL VERSION 2.0

rev.

CHECKLIST OF ANTICIPATED DATA REQUIREMENTS

-PHYSICAL

- ☐ Number of geochemically distinct rock units exposed in the walls, their exposed surface area, their orientation within the mine, their elevation, the slope of each unit from horizontal, and the length of time each has been exposed to air.
- ☐ Physical dimensions of the pit or underground workings including wall-surface areas and mine volumes at selected elevations.
- ☐ Weekly temperatures throughout the average year.
- ☐ Weekly precipitation throughout the average year.
- ☐ Weekly flow of water into/through the mine throughout the average year.
- ☐ Weekly flow of groundwater from the saturated zone (beneath the water table) into the mine throughout the average year.
- ☐ Weekly flow of groundwater from the unsaturated zone (above the water table) into the mine throughout the average year.
- ☐ Fracture spacing and fracture depth for each rock unit.
- ☐ Percentage of fracture surface for each rock unit that is flushed by unsaturated flow (see above) weekly, yearly, and not at all during operation.
- ☐ Inventory of all loose rock in the pit area, including total rock surface area.

After Closure:

- ☐ Weekly flow of any water diverted into the mine upon closure throughout the year.
- ☐ Estimated steady-state flow of water through the mine and water elevation after closure and re-establishment of hydraulic equilibrium.

-GEOCHEMICAL

- ☐ Average weekly rates of acid generation and metal leaching for a unit area of wall for each rock unit and for each loose-rock pile throughout the average year
- ☐ All kinetic and equilibrium controls on water chemistry
- ☐ Decay rate of aforementioned rates through decades of years.
- ☐ Average amount of reactive acid-generating minerals exposed on a unit area of each rock unit.
- ☐ Average amount of reactive acid-neutralizing minerals exposed on a unit area of each rock unit.
- ☐ Depth of oxidation within wall fractures for each rock unit.
- ☐ Occasional full chemical analyses of any groundwater from monitor wells, in-mine seeps, and the cumulative mine water (includes pH, specific conductance, alkalinity, acidity, sulfate, chloride, phosphate, dissolved metals such as calcium and copper, total metals).

APPENDIX B.

Monitoring Data from MINEWALL Stations at Two Minesites

MINEWALL STATIONS AT BELL MINE

BELL MINE

MINEWALL FIELD STUDIES

Station BFP

Surface Area (m²)= 0.335

Date		10-Sep-93	26-Sep-93	14-Oct-93	30-Oct-93	
Time Interval (wk)		2.3	2.3	2.6	2.3	Average
pH, field		7.7	7.1	7.7	6.5	7.25
pH, lab			7.63	6.09	7.18	6.97
Particulates	(grams)	0.7941	0.513	0.683	0.7772	0.6918
Alkalinity	(mg CaCO ₃ /L)	616	172	126	141	264
Acidity	(mg CaCO ₃ /L)	0.5	4.2	21	2.7	7.1
Sulfate	Dissolved (mg/L)	851	478	461	455	561
Silicate, SiO ₂	Dissolved (mg/L)	0.5	0.5	0.5	0.5	0.5
Nitrate	Dissolved (mg N/L)	1.26	0.802	1.04	1.97	1.27
Aluminum	Dissolved (mg/L)	0.1	0.1	0.1	0.1	0.1
Cadmium	Dissolved (mg/L)	0.005	0.005	0.005	0.005	0.005
Calcium	Dissolved (mg/L)	598	226	214	178	304
Copper	Dissolved (mg/L)	0.045	0.016	0.008	0.037	0.027
Magnesium	Dissolved (mg/L)	80.3	50.6	40.1	43.4	53.6
Manganese	Dissolved (mg/L)	0.101	0.026	0.02	0.037	0.046
Molybdenum	Dissolved (mg/L)	0.745	0.687	0.757	0.804	0.748
Potassium	Dissolved (mg/L)	9.8	5.3	4.4	4.9	6.1
Sodium	Dissolved (mg/L)	4.4	3.7	3.4	4.4	4.0
Strontium	Dissolved (mg/L)	4.91	2.46	2.26	1.91	2.89
Zinc	Dissolved (mg/L)	0.05	0.009	0.0025	0.013	0.019
Particulates	(mg/m ² /wk)	1037.0709	669.9627	792.8690	1015.0000	878.726
Alkalinity	(mg/m ² /wk)	201.1194	58.4030	36.5672	46.0354	85.531
Acidity	(mg/m ² /wk)	0.1632	1.4261	6.0945	0.8815	2.141
Sulfate	(mg/m ² /wk)	277.8451	162.3060	133.7894	148.5541	180.624
Silicate, SiO ₂	(mg/m ² /wk)	0.1632	0.1698	0.1451	0.1632	0.160
Nitrate	(mg/m ² /wk)	0.4114	0.2723	0.3018	0.6432	0.407
Aluminum	(mg/m ² /wk)	0.0326	0.0340	0.0290	0.0326	0.032
Cadmium	(mg/m ² /wk)	0.0016	0.0017	0.0015	0.0016	0.002
Calcium	(mg/m ² /wk)	195.2425	76.7388	62.1061	58.1157	98.051
Copper	(mg/m ² /wk)	0.0147	0.0054	0.0023	0.0121	0.009
Magnesium	(mg/m ² /wk)	26.2174	17.1813	11.6376	14.1698	17.302
Manganese	(mg/m ² /wk)	0.0330	0.0088	0.0058	0.0121	0.015
Molybdenum	(mg/m ² /wk)	0.2432	0.2333	0.2197	0.2625	0.240
Potassium	(mg/m ² /wk)	3.1996	1.7996	1.2769	1.5998	1.969
Sodium	(mg/m ² /wk)	1.4366	1.2563	0.9867	1.4366	1.279
Strontium	(mg/m ² /wk)	1.6031	0.8353	0.6559	0.6236	0.929
Zinc	(mg/m ² /wk)	0.0163	0.0031	0.0007	0.0042	0.006

NOTE: Values reported as below detection were assigned a value of 1/2 detection limit, and are shown in italics

Pre-Test Data

ABA Data:

Paste pH	8.5
%S (SO ₄)	0.02
% S(Sulfide)	0.01
% S(Total)	0.029
% CO ₂ inorg.	0.7
NP	25
AP	0.3125
NNP	24.7
NPR	80

Total Metals:

Al (%)	7.94
Cd (ppm)	< 0.5
Ca (%)	1.48
Cu (ppm)	208
Mg (%)	1.77
Mn (ppm)	195
Mo (ppm)	6
K (%)	2.07
Na (%)	2.4
Sr (ppm)	580
Zn (ppm)	50

BELL MINE

MINEWALL FIELD STUDIES

Station BFP2

Surface Area (m²)= 0.0701

Date	10-Sep-93	26-Sep-93	14-Oct-93	30-Oct-93	
Time Interval (wk)	2.3	2.3	2.6	2.3	Average
pH, field	7.2	7.2	7.1	6.3	6.95
pH, lab		7.4		6.98	7.19
Particulates (grams)	0.2676	0.0619		0.3504	0.2266
Alkalinity (mg CaCO ₃ /L)	532	120		65.2	239
Acidity (mg CaCO ₃ /L)	1.9	2.1		2.5	2.2
Sulfate Dissolved (mg/L)	165	60.2	60.5	38.4	81
Silicate, SiO ₂ Dissolved (mg/L)	0.5	0.5		0.5	0.5
Nitrate Dissolved (mg N/L)	0.0025	0.005		0.014	0.01
Aluminum Dissolved (mg/L)	0.1	0.1	0.1	0.1	0.1
Cadmium Dissolved (mg/L)	0.005	0.005	0.005	0.005	0.005
Calcium Dissolved (mg/L)	428	62.5	46.5	22.4	139.85
Copper Dissolved (mg/L)	0.023	0.014	0.008	0.011	0.014
Magnesium Dissolved (mg/L)	31.9	12.7	18.4	13.7	19.2
Manganese Dissolved (mg/L)	0.216	0.031	0.019	0.019	0.071
Molybdenum Dissolved (mg/L)	0.015	0.015	0.015	0.015	0.015
Potassium Dissolved (mg/L)	1	1	1	1	1.0
Sodium Dissolved (mg/L)	1	1	1	1	1.0
Strontium Dissolved (mg/L)	1.36	0.342	0.312	0.202	0.55
Zinc Dissolved (mg/L)	0.0025	0.006	0.0025	0.011	0.006
Particulates (mg/m ² /wk)	1670.1141	386.3231	0.0000	2186.8759	1060.828
Alkalinity (mg/m ² /wk)	830.0642	172.2539	0.0000	101.7297	276.012
Acidity (mg/m ² /wk)	2.9645	3.0144	0.0000	3.9007	2.470
Sulfate (mg/m ² /wk)	257.4447	86.4141	83.9079	59.9144	121.920
Silicate, SiO ₂ (mg/m ² /wk)	0.7801	0.7177	0.0000	0.7801	0.569
Nitrate (mg/m ² /wk)	0.0039	0.0072	0.0000	0.0218	0.008
Aluminum (mg/m ² /wk)	0.1560	0.1435	0.1387	0.1560	0.149
Cadmium (mg/m ² /wk)	0.0078	0.0072	0.0069	0.0078	0.007
Calcium (mg/m ² /wk)	667.7960	89.7156	64.4912	34.9501	214.238
Copper (mg/m ² /wk)	0.0359	0.0201	0.0111	0.0172	0.021
Magnesium (mg/m ² /wk)	49.7726	18.2302	25.5191	21.3757	28.724
Manganese (mg/m ² /wk)	0.3370	0.0445	0.0264	0.0296	0.109
Molybdenum (mg/m ² /wk)	0.0234	0.0215	0.0208	0.0234	0.022
Potassium (mg/m ² /wk)	1.5603	1.4354	1.3869	1.5603	1.486
Sodium (mg/m ² /wk)	1.5603	1.4354	1.3869	1.5603	1.486
Strontium (mg/m ² /wk)	2.1220	0.4909	0.4327	0.3152	0.840
Zinc (mg/m ² /wk)	0.0039	0.0086	0.0035	0.0172	0.008

Pre-Test Data

ABA Data:

Paste pH	8.4
%S (SO ₄)	0.03
% S(Sulfide)	0.13
% S(Total)	0.164
% CO ₂ inorg.	2.2
NP	38
AP	4.0625
NNP	33.9
NPR	9.35

Total Metals:

Al (%)	7.04
Cd (ppm)	<0.5
Ca (%)	1.45
Cu (ppm)	919
Mg (%)	1.38
Mn (ppm)	205
Mo (ppm)	23
K (%)	1.4
Na (%)	2.76
Sr (ppm)	374
Zn (ppm)	50

NOTE: Values reported as below detection were assigned a value of 1/2 detection limit, and are shown in italics

BELL MINE

MINEWALL FIELD STUDIES

Station BBFP

Surface Area (m²)= 0.11

Date	10-Sep-93	26-Sep-93	14-Oct-93	30-Oct-93	
Time Interval (wk)	2.285714286	2.285714286	2.571428571	2.285714286	Average
pH, field	8.2	7.2	7.5	6.2	7.28
pH, lab		7.61	7.29	7.07	7.32
Particulates (grams)	0.6476	0.1681	0.2901	0.185	0.3227
Alkalinity (mg CaCO ₃ /L)	625	143	166	109	261
Acidity (mg CaCO ₃ /L)	0.5	2.1	4.2	2.5	2.3
Sulfate Dissolved (mg/L)	602	297	246	251	349
Silicate, SiO ₂ Dissolved (mg/L)	0.5	0.5	0.5	0.5	0.5
Nitrate Dissolved (mg N/L)	2.17	0.005	1.85	2.34	1.59
Aluminum Dissolved (mg/L)	0.1	0.1	0.1	0.1	0.1
Cadmium Dissolved (mg/L)	0.005	0.005	0.005	0.005	0.005
Calcium Dissolved (mg/L)	609	140	170	111	257.5
Copper Dissolved (mg/L)	0.017	0.036	0.018	0.032	0.026
Magnesium Dissolved (mg/L)	84.2	32.5	42.9	25.6	46.3
Manganese Dissolved (mg/L)	0.071	0.03	0.021	0.022	0.036
Molybdenum Dissolved (mg/L)	0.492	0.324	0.394	0.29	0.375
Potassium Dissolved (mg/L)	5	2.6	1	1	2.4
Sodium Dissolved (mg/L)	3.1	2.6	2.2	2.4	2.6
Strontium Dissolved (mg/L)	3.11	1.03	1.13	0.803	1.52
Zinc Dissolved (mg/L)	0.0025	0.012	0.008	0.008	0.008
Particulates (mg/m ² /wk)	2575.6818	668.5795	1025.6061	735.7955	1251.416
Alkalinity (mg/m ² /wk)	621.4489	130.8125	146.7172	108.3807	251.840
Acidity (mg/m ² /wk)	0.4972	1.9210	3.7121	2.4858	2.154
Sulfate (mg/m ² /wk)	598.5795	271.6875	217.4242	249.5739	334.316
Silicate, SiO ₂ (mg/m ² /wk)	0.4972	0.4574	0.4419	0.4972	0.473
Nitrate (mg/m ² /wk)	2.1577	0.0046	1.6351	2.3267	1.531
Aluminum (mg/m ² /wk)	0.0994	0.0915	0.0884	0.0994	0.095
Cadmium (mg/m ² /wk)	0.0050	0.0046	0.0044	0.0050	0.005
Calcium (mg/m ² /wk)	605.5398	128.0682	150.2525	110.3693	248.557
Copper (mg/m ² /wk)	0.0169	0.0329	0.0159	0.0318	0.024
Magnesium (mg/m ² /wk)	83.7216	29.7301	37.9167	25.4545	44.206
Manganese (mg/m ² /wk)	0.0706	0.0274	0.0186	0.0219	0.035
Molybdenum (mg/m ² /wk)	0.4892	0.2964	0.3482	0.2884	0.356
Potassium (mg/m ² /wk)	4.9716	2.3784	0.8838	0.9943	2.307
Sodium (mg/m ² /wk)	3.0824	2.3784	1.9444	2.3864	2.448
Strontium (mg/m ² /wk)	3.0923	0.9422	0.9987	0.7984	1.458
Zinc (mg/m ² /wk)	0.0025	0.0110	0.0071	0.0080	0.007

Pre-Test Data

ABA Data:

Paste pH	8.2
%S (SO ₄)	0.02
% S(Sulfide)	0.73
% S(Total)	0.735
% CO ₂ inorg.	2.3
NP	53
AP	22.8125
NNP	30.2
NPR	2.32

Total Metals:

Al (%)	7.9
Cd (ppm)	< 0.5
Ca (%)	2.11
Cu (ppm)	879
Mg (%)	1.73
Mn (ppm)	320
Mo (ppm)	6
K (%)	2.14
Na (%)	2.49
Sr (ppm)	472
Zn (ppm)	50

NOTE: Values reported as below detection were assigned a value of 1/2 detection limit, and are shown in italics

BELL MINE

MINEWALL FIELD STUDIES

Station TUFF

Surface Area (m²)= 0.186

Date	10-Sep-93	26-Sep-93	14-Oct-93	30-Oct-93	
Time Interval (wk)	2.3	2.3	2.6	2.3	Average
pH, field	6.6	6.5	6.9	5.7	6.43
pH, lab		7.22	6.16	6.1	6.49
Particulates (grams)	1.9196	1.228	2.3197	1.4714	1.7347
Alkalinity (mg CaCO ₃ /L)	31.1	44.1	33.6	25.6	34
Acidity (mg CaCO ₃ /L)	5.7	4.2	29.4	6.9	11.6
Sulfate Dissolved (mg/L)	6830	3470	2550	4480	4333
Silicate, SiO ₂ Dissolved (mg/L)	0.5	0.5	0.5	0.5	0.5
Nitrate Dissolved (mg N/L)	0.225	0.86	0.73	0.393	0.55
Aluminum Dissolved (mg/L)	0.1	0.1	0.1	0.1	0.1
Cadmium Dissolved (mg/L)	0.005	0.005	0.005	0.005	0.005
Calcium Dissolved (mg/L)	175	102	71.8	97.2	111.5
Copper Dissolved (mg/L)	0.48	0.432	0.032	1.14	0.521
Magnesium Dissolved (mg/L)	1950	846	574	11.4	845.4
Manganese Dissolved (mg/L)	5.23	3.06	1.22	4.38	3.473
Molybdenum Dissolved (mg/L)	0.15	0.015	0.015	0.075	0.064
Potassium Dissolved (mg/L)	10	5.5	4	5	6.1
Sodium Dissolved (mg/L)	10	7.2	4.7	5	6.7
Strontium Dissolved (mg/L)	1.48	0.83	0.556	0.78	0.91
Zinc Dissolved (mg/L)	0.23	0.149	0.025	0.21	0.154
Particulates (mg/m ² /wk)	4515.1882	2888.4409	4850.0299	3460.9543	3928.653
Alkalinity (mg/m ² /wk)	18.2880	25.9325	26.3441	15.0538	21.405
Acidity (mg/m ² /wk)	3.3518	2.4698	23.0511	4.0575	8.233
Sulfate (mg/m ² /wk)	4016.2970	2040.4906	1999.3280	2634.4086	2672.631
Silicate, SiO ₂ (mg/m ² /wk)	0.2940	0.2940	0.3920	0.2940	0.319
Nitrate (mg/m ² /wk)	0.1323	0.5057	0.5724	0.2311	0.360
Aluminum (mg/m ² /wk)	0.0588	0.0588	0.0784	0.0588	0.064
Cadmium (mg/m ² /wk)	0.0029	0.0029	0.0039	0.0029	0.003
Calcium (mg/m ² /wk)	102.9066	59.9798	56.2948	57.1573	69.085
Copper (mg/m ² /wk)	0.2823	0.2540	0.0251	0.6704	0.308
Magnesium (mg/m ² /wk)	1146.6734	497.4798	450.0448	6.7036	525.225
Manganese (mg/m ² /wk)	3.0754	1.7994	0.9565	2.5756	2.102
Molybdenum (mg/m ² /wk)	0.0882	0.0088	0.0118	0.0441	0.038
Potassium (mg/m ² /wk)	5.8804	3.2342	3.1362	2.9402	3.798
Sodium (mg/m ² /wk)	5.8804	4.2339	3.6850	2.9402	4.185
Strontium (mg/m ² /wk)	0.8703	0.4881	0.4359	0.4587	0.563
Zinc (mg/m ² /wk)	0.1352	0.0876	0.0196	0.1235	0.091

NOTE: Values reported as below detection were assigned a value of 1/2 detection limit, and are shown in italics

Pre-Test Data

ABA Data:

Paste pH	7.8
% S (SO ₄)	0.08
% S (Sulfide)	2.44
% S (Total)	2.67
% CO ₂ inorg.	1.6
NP	29
AP	76.25
NNP	-47.3
NPR	0.38

Total Metals:

Al (%)	5.02
Cd (ppm)	< 0.5
Ca (%)	0.79
Cu (ppm)	9710
Mg (%)	0.41
Mn (ppm)	165
Mo (ppm)	26
K (%)	2.45
Na (%)	0.09
Sr (ppm)	52
Zn (ppm)	74

BELL MINE

MINEWALL FIELD STUDIES

Station QFP

Surface Area (m^2)=	0.332				
Date	10-Sep-93	26-Sep-93	14-Oct-93	30-Oct-93	
Time Interval (wk)	2.285714286	2.285714286	2.571428571	2.285714286	Average
pH, field	7.6	7.2	7.6	6.4	7.2
pH, lab		7.51	6.8	7.13	7.15
Particulates (grams)	0.5288	1.002	0.7447	0.3	0.6439
Alkalinity (mg CaCO3/L)	440	218	546	286	373
Acidity (mg CaCO3/L)	2.8	4.2	6.3	3.8	4.3
Sulfate Dissolved (mg/L)	835	415	649	586	621
Silicate, SiO2 Dissolved (mg/L)	0.5	0.5	0.5	0.5	0.5
Nitrate Dissolved (mg N/L)	0.813	0.239	0.047	0.933	0.51
Aluminum Dissolved (mg/L)	0.1	0.1	0.1	0.1	0.1
Cadmium Dissolved (mg/L)	0.005	0.005	0.005	0.005	0.005
Calcium Dissolved (mg/L)	613	235	474	267	397.25
Copper Dissolved (mg/L)	0.48	0.009	0.008	0.017	0.129
Magnesium Dissolved (mg/L)	83.2	39.8	79.9	59.4	65.6
Manganese Dissolved (mg/L)	0.404	0.066	0.106	0.067	0.161
Molybdenum Dissolved (mg/L)	0.037	0.015	0.037	0.015	0.026
Potassium Dissolved (mg/L)	5	2.3	3	3.2	3.4
Sodium Dissolved (mg/L)	5.1	2.6	3.3	4	3.8
Strontium Dissolved (mg/L)	6.84	2.83	4.83	3.53	4.51
Zinc Dissolved (mg/L)	0.007	0.005	0.005	0.01	0.007
Particulates (mg/m^2/wk)	696.8373	1320.4066	872.3059	395.3313	821.220
Alkalinity (mg/m^2/wk)	144.9548	74.6913	159.8896	94.2206	118.439
Acidity (mg/m^2/wk)	0.9224	1.4390	1.8449	1.2519	1.365
Sulfate (mg/m^2/wk)	275.0847	142.1875	190.0519	193.0535	200.094
Silicate, SiO2 (mg/m^2/wk)	0.1647	0.1713	0.1464	0.1647	0.162
Nitrate (mg/m^2/wk)	0.2678	0.0819	0.0138	0.3074	0.168
Aluminum (mg/m^2/wk)	0.0329	0.0343	0.0293	0.0329	0.032
Cadmium (mg/m^2/wk)	0.0016	0.0017	0.0015	0.0016	0.002
Calcium (mg/m^2/wk)	201.9484	80.5158	138.8052	87.9612	127.308
Copper (mg/m^2/wk)	0.1581	0.0031	0.0023	0.0056	0.042
Magnesium (mg/m^2/wk)	27.4096	13.6363	23.3978	19.5689	21.003
Manganese (mg/m^2/wk)	0.1331	0.0226	0.0310	0.0221	0.052
Molybdenum (mg/m^2/wk)	0.0122	0.0051	0.0108	0.0049	0.008
Potassium (mg/m^2/wk)	1.6472	0.7880	0.8785	1.0542	1.092
Sodium (mg/m^2/wk)	1.6802	0.8908	0.9664	1.3178	1.214
Strontium (mg/m^2/wk)	2.2534	0.9696	1.4144	1.1629	1.450
Zinc (mg/m^2/wk)	0.0023	0.0017	0.0015	0.0033	0.002

Pre-Test Data

ABA Data:

Paste pH	8.1
%S (SO4)	0.03
% S(Sulfide)	0.04
% S(Total)	0.072
% CO2 inorg.	0.7
NP	28
AP	1.25
NNP	26.8
NPR	22.4

Total Metals:

Al (%)	8.38
Cd (ppm)	< 0.5
Ca (%)	0.92
Cu (ppm)	67
Mg (%)	2.67
Mn (ppm)	295
Mo (ppm)	3
K (%)	1.52
Na (%)	1.29
Sr (ppm)	157
Zn (ppm)	68

NOTE: Values reported as below detection were assigned a value of 1/2 detection limit, and are shown in italics

BELL MINE

MINEWALL FIELD STUDIES

Station SED

Surface Area (m²)= 0.12

Date	10-Sep-93	26-Sep-93	14-Oct-93	30-Oct-93	
Time Interval (wk)	2.3	2.3	2.6	2.3	Average
pH, field	7.1	7.1	7.2	6.6	7
pH, lab		7.26	6.73	5.76	6.58
Particulates (grams)	0.2138	0.0767	0.3194	0.1081	0.1795
Alkalinity (mg CaCO ₃ /L)	157	42	39.9	44.2	71
Acidity (mg CaCO ₃ /L)	6.8	2.1	2.1	84.2	23.8
Sulfate Dissolved (mg/L)	373	162	197	163	224
Silicate, SiO ₂ Dissolved (mg/L)	0.5	0.5	0.5	0.5	0.5
Nitrate Dissolved (mg N/L)	0.163	0.059	0.078	0.069	0.09
Aluminum Dissolved (mg/L)	0.1	0.1	0.1	0.1	0.1
Cadmium Dissolved (mg/L)	0.005	0.005	0.005	0.005	0.005
Calcium Dissolved (mg/L)	127	26.6	15	14.4	45.75
Copper Dissolved (mg/L)	3.75	0.041	0.066	0.022	0.970
Magnesium Dissolved (mg/L)	107	37.1	47.8	43.2	58.8
Manganese Dissolved (mg/L)	0.145	0.008	0.008	0.009	0.043
Molybdenum Dissolved (mg/L)	0.015	0.015	0.015	0.015	0.015
Potassium Dissolved (mg/L)	3.8	1	1	1	1.7
Sodium Dissolved (mg/L)	2.3	1	1	1	1.3
Strontium Dissolved (mg/L)	0.987	0.255	0.153	0.155	0.39
Zinc Dissolved (mg/L)	0.057	0.005	0.01	0.006	0.020
Particulates (mg/m ² /wk)	779.4792	279.6354	1035.0926	394.1146	622.080
Alkalinity (mg/m ² /wk)	143.0990	35.2188	31.6799	40.2865	62.571
Acidity (mg/m ² /wk)	6.1979	1.7609	1.6674	76.7448	21.593
Sulfate (mg/m ² /wk)	339.9740	135.8438	156.4144	148.5677	195.200
Silicate, SiO ₂ (mg/m ² /wk)	0.4557	0.4193	0.3970	0.4557	0.432
Nitrate (mg/m ² /wk)	0.1486	0.0495	0.0619	0.0629	0.081
Aluminum (mg/m ² /wk)	0.0911	0.0839	0.0794	0.0911	0.086
Cadmium (mg/m ² /wk)	0.0046	0.0042	0.0040	0.0046	0.004
Calcium (mg/m ² /wk)	115.7552	22.3052	11.9097	13.1250	40.774
Copper (mg/m ² /wk)	3.4180	0.0344	0.0524	0.0201	0.881
Magnesium (mg/m ² /wk)	97.5260	31.1099	37.9523	39.3750	51.491
Manganese (mg/m ² /wk)	0.1322	0.0067	0.0064	0.0082	0.038
Molybdenum (mg/m ² /wk)	0.0137	0.0126	0.0119	0.0137	0.013
Potassium (mg/m ² /wk)	3.4635	0.8385	0.7940	0.9115	1.502
Sodium (mg/m ² /wk)	2.0964	0.8385	0.7940	0.9115	1.160
Strontium (mg/m ² /wk)	0.8996	0.2138	0.1215	0.1413	0.344
Zinc (mg/m ² /wk)	0.0520	0.0042	0.0079	0.0055	0.017

Pre-Test Data

ABA Data:

Paste pH	7.8
%S (SO ₄)	0.06
% S(Sulfide)	2.64
% S(Total)	3.14
% CO ₂ inorg.	2.3
NP	37
AP	82.5
NNP	-45.5
NPR	0.45

Total Metals:

Al (%)	6.29
Cd (ppm)	< 0.5
Ca (%)	0.8
Cu (ppm)	5250
Mg (%)	1.48
Mn (ppm)	80
Mo (ppm)	19
K (%)	2.06
Na (%)	0.07
Sr (ppm)	62
Zn (ppm)	84

NOTE: Values reported as below detection were assigned a value of 1/2 detection limit, and are shown in italics

MINEWALL STATIONS AT ISLAND COPPER MINE

ISLAND COPPER MINE

MINEWALL FIELD STUDIES

Station 1

Surface Area (m²)= 0.2064

Date		30-Jun-92	15-Jul-92	22-Jul-92	29-Jul-92	12-Aug-92	26-Aug-92	08-Sep-92	24-Sep-92	07-Oct-92
Time Interval (wk)		0	2.1	1	1	2	2	1.9	2.3	1.9
pH		7.03	7.66	8.02	6.5	6.58	6.84	7.38	8.14	7.16
Conductivity	(uS/cm)	340	440	220	150	230				330
Alkalinity	(mg CaCO ₃ /L)	12	66	43	14	16	9.8	14	20	17
Acidity	(mg CaCO ₃ /L)	0	0							
Sulfate	Dissolved (mg/L)	125	100	34	39	80	76	60	87	172
Silicon	Dissolved (mg/L)									
Aluminum	Dissolved (mg/L)	0.2	0.4	0.3	0.3	0.3	0.1	0.1	1.3	0.05
Cadmium	Dissolved (mg/L)	0.01	0.01	0.01	0.005	0.005	0.005	0.005	0.005	0.005
Calcium	Dissolved (mg/L)	60	110	50	20	30	40	30	20	60
Copper	Dissolved (mg/L)	0.01	0.01	0.01	0.005	0.01	0.005	0.005	0.005	0.01
Magnesium	Dissolved (mg/L)	1	3	2	2	1	1	2	1	1
Zinc	Dissolved (mg/L)	0.05	0.05	0.05	0.1	0.05	0.05	0.05	0.05	0.05
Alkalinity	(mg/m ² /wk)	NA	74.612	104.167	33.915	19.380	11.870	18.262	21.197	22.175
Acidity	(mg/m ² /wk)	NA	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sulfate	(mg/m ² /wk)	NA	113.049	82.364	94.477	96.899	92.054	78.265	92.206	224.359
Silicon	(mg/m ² /wk)	NA	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aluminum	(mg/m ² /wk)	NA	0.452	0.727	0.727	0.363	0.121	0.130	1.378	0.065
Cadmium	(mg/m ² /wk)	NA	0.011	0.024	0.012	0.006	0.006	0.007	0.005	0.007
Calcium	(mg/m ² /wk)	NA	124.354	121.124	48.450	36.337	48.450	39.132	21.197	78.265
Copper	(mg/m ² /wk)	NA	0.011	0.024	0.012	0.012	0.006	0.007	0.005	0.013
Magnesium	(mg/m ² /wk)	NA	3.391	4.845	4.845	1.211	1.211	2.609	1.060	1.304
Zinc	(mg/m ² /wk)	NA	0.057	0.121	0.242	0.061	0.061	0.065	0.053	0.065

NOTE: Values reported as below detection were assigned a value of 1/2 detection limit, and are shown in italics

ISLAND COPPER MINE

MINEWALL FIELD STUDIES

Station 1

Surface Area (m²)= 0.2064

Date		03-Jun-93	27-Jul-93	12-Aug-93	15-Sep-93	12-Oct-93	23-Nov-93	21-Dec-93	
Time Interval (wk)		0	2	2.3	4.9	3.9	6	4	Average
pH		7.05	7.43	6.33	7.34	7.74	8.14	7.67	7.35
Conductivity	(uS/cm)	284	98	200	425	309	345	41	253.5
Alkalinity	(mg CaCO ₃ /L)	7.4	10	9	21	17	36	13	21.8
Acidity	(mg CaCO ₃ /L)								0.00
Sulfate	Dissolved (mg/L)		26	75	180	108	110	17	83.1
Silicon	Dissolved (mg/L)				27	37	15	2.2	16.2
Aluminum	Dissolved (mg/L)	0.3	1.3	0.1	0.4	0.05	0.3	1.8	0.49
Cadmium	Dissolved (mg/L)	0.005	0.005	0.005	0.01	0.005	0.005	0.005	0.01
Calcium	Dissolved (mg/L)	60	20	40	80	60	70	10	46
Copper	Dissolved (mg/L)	0.01	0.005	0.01	0.01	0.01	0.04	0.01	0.01
Magnesium	Dissolved (mg/L)	1	1	1	2	2	2	1	1.6
Zinc	Dissolved (mg/L)	0.05	0.05	0.1	0.05	0.05	0.1	0.05	0.06
Alkalinity	(mg/m ² /wk)	NA	12.112	9.539	10.474	10.677	14.535	7.873	26.485
Acidity	(mg/m ² /wk)	NA	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sulfate	(mg/m ² /wk)	NA	31.492	79.488	89.774	67.829	44.412	10.296	85.497
Silicon	(mg/m ² /wk)	NA	0.000	0.000	13.466	23.238	6.056	1.332	3.149
Aluminum	(mg/m ² /wk)	NA	1.575	0.106	0.199	0.031	0.121	1.090	0.506
Cadmium	(mg/m ² /wk)	NA	0.006	0.005	0.005	0.003	0.002	0.003	0.007
Calcium	(mg/m ² /wk)	NA	24.225	42.393	39.900	37.683	28.262	6.056	49.702
Copper	(mg/m ² /wk)	NA	0.006	0.011	0.005	0.006	0.016	0.006	0.010
Magnesium	(mg/m ² /wk)	NA	1.211	1.060	0.997	1.256	0.807	0.606	1.887
Zinc	(mg/m ² /wk)	NA	0.061	0.106	0.025	0.031	0.040	0.030	0.073

NOTE: Values reported as below detection were assigned a value of 1/2 detection limit, and are shown in italics

ISLAND COPPER MINE

MINEWALL FIELD STUDIES

Station 2

Surface Area (m²)= 0.1645

Date		30-Jun-92	15-Jul-92	22-Jul-92	29-Jul-92	12-Aug-92	26-Aug-92	08-Sep-92	24-Sep-92	07-Oct-92
Time Interval (wk)		0	2.1	1	1	2	2	1.9	2.3	1.9
pH		6.79	6.8	7.11	6.34	6.04	6.12	6.33	7.22	6.69
Conductivity	(uS/cm)	290	117	53	47	170				130
Alkalinity	(mg CaCO ₃ /L)	26	6.8	8.1	4.4	3	2.8	3.4	5.1	4.2
Acidity	(mg CaCO ₃ /L)									
Sulfate	Dissolved (mg/L)	100	43	15	14	64	25	21	67	88
Silicon	Dissolved (mg/L)									
Aluminum	Dissolved (mg/L)	1.5	1.6	0.8	0.7	0.2	0.1	0.1	0.2	0.05
Cadmium	Dissolved (mg/L)	0.01	0.01	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Calcium	Dissolved (mg/L)	50	20	0	3	30	10	10	20	30
Copper	Dissolved (mg/L)	0.01	0.01	0.01	0.005	0.02	0.005	0.01	0.005	0.02
Magnesium	Dissolved (mg/L)	1	1	0	0	0	0	0	0	0
Zinc	Dissolved (mg/L)	0.05	0.05	0.05	0.1	0.05	0.05	0.05	0.05	0.05
Alkalinity	(mg/m ² /wk)	NA	9.645	24.620	13.374	4.559	4.255	5.565	6.782	6.874
Acidity	(mg/m ² /wk)	NA	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sulfate	(mg/m ² /wk)	NA	60.993	45.593	42.553	97.264	37.994	34.370	89.096	144.026
Silicon	(mg/m ² /wk)	NA	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aluminum	(mg/m ² /wk)	NA	2.270	2.432	2.128	0.304	0.152	0.164	0.266	0.082
Cadmium	(mg/m ² /wk)	NA	0.014	0.015	0.015	0.008	0.008	0.008	0.007	0.008
Calcium	(mg/m ² /wk)	NA	28.369	0.000	9.119	45.593	15.198	16.367	26.596	49.100
Copper	(mg/m ² /wk)	NA	0.014	0.030	0.015	0.030	0.008	0.016	0.007	0.033
Magnesium	(mg/m ² /wk)	NA	1.418	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Zinc	(mg/m ² /wk)	NA	0.071	0.152	0.304	0.076	0.076	0.082	0.066	0.082

NOTE: Values reported as below detection were assigned a value of 1/2 detection limit, and are shown in italics

ISLAND COPPER MINE

MINEWALL FIELD STUDIES

Station 2

Surface Area (m²)= 0.1645

Date		03-Jun-93	27-Jul-93	12-Aug-93	15-Sep-93	12-Oct-93	23-Nov-93	
Time Interval (wk)		0	2	2.3	4.9	3.9	6	Average
pH		7.15	6.66	6.05				6.54
Conductivity	(uS/cm)	250	55	158				104.3
Alkalinity	(mg CaCO ₃ /L)	9.4	7.6	6				5.1
Acidity	(mg CaCO ₃ /L)							0.00
Sulfate	Dissolved (mg/L)	80	18	58				41.3
Silicon	Dissolved (mg/L)							0.0
Aluminum	Dissolved (mg/L)	1.1	1.2	0.4				0.54
Cadmium	Dissolved (mg/L)	0.005	0.005	0.005				0.01
Calcium	Dissolved (mg/L)	60	20	30				17
Copper	Dissolved (mg/L)	0.01	0.01	0.02				0.01
Magnesium	Dissolved (mg/L)	1	0	1				0.2
Zinc	Dissolved (mg/L)	0.05	0.05	0.1				0.06
Alkalinity	(mg/m ² /wk)	NA	11.550	7.979	0.000	0.000	0.000	9.520
Acidity	(mg/m ² /wk)	NA	0.000	0.000	0.000	0.000	0.000	0.000
Sulfate	(mg/m ² /wk)	NA	27.356	77.128	0.000	0.000	0.000	65.637
Silicon	(mg/m ² /wk)	NA	0.000	0.000	0.000	0.000	0.000	0.000
Aluminum	(mg/m ² /wk)	NA	1.824	0.532	0.000	0.000	0.000	1.015
Cadmium	(mg/m ² /wk)	NA	0.008	0.007	0.000	0.000	0.000	0.010
Calcium	(mg/m ² /wk)	NA	30.395	39.894	0.000	0.000	0.000	26.063
Copper	(mg/m ² /wk)	NA	0.015	0.027	0.000	0.000	0.000	0.020
Magnesium	(mg/m ² /wk)	NA	0.000	1.330	0.000	0.000	0.000	0.275
Zinc	(mg/m ² /wk)	NA	0.076	0.133	0.000	0.000	0.000	0.112

NOTE: Values reported as below detection were assigned a value of 1/2 detection limit, and are shown in italics

ISLAND COPPER MINE

MINEWALL FIELD STUDIES

Station 4

Surface Area (m²)= 0.2671

Date		30-Jun-92	15-Jul-92	22-Jul-92	29-Jul-92	12-Aug-92	26-Aug-92	08-Sep-92	24-Sep-92	07-Oct-92
Time Interval (wk)		0	2.1	1	1	2	2	1.9	2.3	1.9
pH		4.03	6.11	6.29	5.96	6.12	6.04	6.66	6.89	6.69
Conductivity	(uS/cm)	36	45	19	16	61				21
Alkalinity	(mg CaCO ₃ /L)	0	3.4	4.9	2.9	6	3.8	5.4	6.8	3.6
Acidity	(mg CaCO ₃ /L)	24								
Sulfate	Dissolved (mg/L)	12	10	0.5	1.2	17	6.8	6	41	11
Silicon	Dissolved (mg/L)									
Aluminum	Dissolved (mg/L)	0.01	0.05	0.1	0.4	0.1	0.2	0.05	0.1	0.05
Cadmium	Dissolved (mg/L)	0.01	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Calcium	Dissolved (mg/L)	10	10	0	2	10	0	5	20	10
Copper	Dissolved (mg/L)	0.01	0.01	0.01	0.005	0.02	0.005	0.01	0.005	0.01
Magnesium	Dissolved (mg/L)	0	1	0	0	0	0	0	0	0
Zinc	Dissolved (mg/L)	0.2	0.05	0.05	0.1	0.05	0.05	0.05	0.05	0.05
Alkalinity	(mg/m ² /wk)	NA	2.970	9.173	5.429	5.616	3.557	5.443	5.569	3.629
Acidity	(mg/m ² /wk)	NA	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sulfate	(mg/m ² /wk)	NA	8.736	0.936	2.246	15.912	6.365	6.048	33.578	11.088
Silicon	(mg/m ² /wk)	NA	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aluminum	(mg/m ² /wk)	NA	0.044	0.187	0.749	0.094	0.187	0.050	0.082	0.050
Cadmium	(mg/m ² /wk)	NA	0.004	0.009	0.009	0.005	0.005	0.005	0.004	0.005
Calcium	(mg/m ² /wk)	NA	8.736	0.000	3.744	9.360	0.000	5.040	16.380	10.080
Copper	(mg/m ² /wk)	NA	0.009	0.019	0.009	0.019	0.005	0.010	0.004	0.010
Magnesium	(mg/m ² /wk)	NA	0.874	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Zinc	(mg/m ² /wk)	NA	0.044	0.094	0.187	0.047	0.047	0.050	0.041	0.050

NOTE: Values reported as below detection were assigned a value of 1/2 detection limit, and are shown in italics

ISLAND COPPER MINE

MINEWALL FIELD STUDIES

Station 4

Surface Area (m²)= 0.2671

Date		03-Jun-93	27-Jul-93	12-Aug-93	15-Sep-93	12-Oct-93	23-Nov-93	21-Dec-93	
Time Interval (wk)		0	2	2.3	4.9	3.9	6	4	Average
pH		6.63	6.25	5.88	6.68	6.39	6.45	6.95	6.38
Conductivity	(uS/cm)	18	46	28	68	37	81	149	51.9
Alkalinity	(mg CaCO ₃ /L)	3.8	8.7	5	11	8.5	7.1	9.7	6.2
Acidity	(mg CaCO ₃ /L)								0.00
Sulfate	Dissolved (mg/L)	4	1.5	2.1	13	13	27	47	14.1
Silicon	Dissolved (mg/L)				5.4	4.2	4.7	0.7	3.0
Aluminum	Dissolved (mg/L)	0.1	0.1	<i>0.05</i>	0.2	<i>0.05</i>	0.1	0.3	0.13
Cadmium	Dissolved (mg/L)	<i>0.005</i>	<i>0.005</i>	<i>0.005</i>	0.01	<i>0.005</i>	<i>0.005</i>	<i>0.005</i>	0.01
Calcium	Dissolved (mg/L)	10	20	40	10	10	20	20	13
Copper	Dissolved (mg/L)	<i>0.005</i>	<i>0.005</i>	0.02	0.01	0.01	0.03	0.01	0.01
Magnesium	Dissolved (mg/L)	0	0	0.5	1	0	0.5	1	0.3
Zinc	Dissolved (mg/L)	<i>0.05</i>	<i>0.05</i>	<i>0.05</i>	<i>0.05</i>	<i>0.05</i>	<i>0.05</i>	0.1	0.06
Alkalinity	(mg/m ² /wk)	NA	8.143	4.095	4.239	4.125	2.215	4.539	4.910
Acidity	(mg/m ² /wk)	NA	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sulfate	(mg/m ² /wk)	NA	1.404	1.720	5.010	6.309	8.424	21.996	9.269
Silicon	(mg/m ² /wk)	NA	0.000	0.000	2.081	2.038	1.466	0.328	0.422
Aluminum	(mg/m ² /wk)	NA	0.094	0.041	0.077	0.024	0.031	0.140	0.132
Cadmium	(mg/m ² /wk)	NA	0.005	0.004	0.004	0.002	0.002	0.002	0.005
Calcium	(mg/m ² /wk)	NA	18.720	32.759	3.854	4.853	6.240	9.360	9.223
Copper	(mg/m ² /wk)	NA	0.005	0.016	0.004	0.005	0.009	0.005	0.009
Magnesium	(mg/m ² /wk)	NA	0.000	0.409	0.385	0.000	0.156	0.468	0.164
Zinc	(mg/m ² /wk)	NA	0.047	0.041	0.019	0.024	0.016	0.047	0.054

NOTE: Values reported as below detection were assigned a value of 1/2 detection limit, and are shown in italics

ISLAND COPPER MINE

MINEWALL FIELD STUDIES

Station 5

Surface Area (m²)= 0.1689

Date		30-Jun-92	15-Jul-92	22-Jul-92	29-Jul-92	12-Aug-92	26-Aug-92	08-Sep-92	24-Sep-92	07-Oct-92
Time Interval (wk)		0	2.1	1	1	2	2	1.9	2.3	1.9
pH		5.14	5.93	6.42	5.81	5.93	6.05	6.45	6.77	6.47
Conductivity	(uS/cm)	11	26	14	12	56				65
Alkalinity	(mg CaCO ₃ /L)	1.1	2.6	4.4	1.7	4	3.2	4.6	5.2	2.8
Acidity	(mg CaCO ₃ /L)									
Sulfate	Dissolved (mg/L)	12	5	0.5	0.5	19	6.3	15	30	26
Silicon	Dissolved (mg/L)									
Aluminum	Dissolved (mg/L)	0.05	0.05	0.05	0.3	0.1	0.05	0.05	0.1	0.05
Cadmium	Dissolved (mg/L)	0.01	0.005	0.005	0.01	0.005	0.005	0.005	0.005	0.005
Calcium	Dissolved (mg/L)	10	10	0	1	10	0	10	20	20
Copper	Dissolved (mg/L)	0.01	0.01	0.01	0.005	0.02	0.005	0.01	0.005	0.01
Magnesium	Dissolved (mg/L)	0	1	0	0	0	0	1	0	0
Zinc	Dissolved (mg/L)	0.1	0.05	0.05	0.2	0.05	0.05	0.05	0.05	0.05
Alkalinity	(mg/m ² /wk)	NA	3.592	13.025	5.033	5.921	4.737	7.333	6.735	4.463
Acidity	(mg/m ² /wk)	NA	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sulfate	(mg/m ² /wk)	NA	6.907	1.480	1.480	28.123	9.325	23.910	38.854	41.445
Silicon	(mg/m ² /wk)	NA	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aluminum	(mg/m ² /wk)	NA	0.069	0.148	0.888	0.148	0.074	0.080	0.130	0.080
Cadmium	(mg/m ² /wk)	NA	0.007	0.015	0.030	0.007	0.007	0.008	0.006	0.008
Calcium	(mg/m ² /wk)	NA	13.815	0.000	2.960	14.802	0.000	15.940	25.903	31.880
Copper	(mg/m ² /wk)	NA	0.014	0.030	0.015	0.030	0.007	0.016	0.006	0.016
Magnesium	(mg/m ² /wk)	NA	1.381	0.000	0.000	0.000	0.000	1.594	0.000	0.000
Zinc	(mg/m ² /wk)	NA	0.069	0.148	0.592	0.074	0.074	0.080	0.065	0.080

NOTE: Values reported as below detection were assigned a value of 1/2 detection limit, and are shown in italics

ISLAND COPPER MINE

MINEWALL FIELD STUDIES

Station 5

Surface Area (m²)= 0.1689

Date		03-Jun-93	27-Jul-93	12-Aug-93	15-Sep-93	12-Oct-93	23-Nov-93	21-Dec-93	
Time Interval (wk)		0	2	2.3	4.9	3.9	6	4	Average
pH		6.83	6.36	5.67	6.42	6.31	6.45	6.67	6.27
Conductivity	(uS/cm)	253	157	89	127	164	232	74	92.4
Alkalinity	(mg CaCO ₃ /L)	6	4.4	2	7.7	6.8	4	5.7	4.2
Acidity	(mg CaCO ₃ /L)								0.00
Sulfate	Dissolved (mg/L)	122	67	31	42	79	100	33	32.5
Silicon	Dissolved (mg/L)				3.5	5	1.5	1	2.2
Aluminum	Dissolved (mg/L)	0.2	0.05	0.05	0.1	0.05	0.1	0.2	0.09
Cadmium	Dissolved (mg/L)	0.005	0.005	0.005	0.01	0.005	0.005	0.005	0.01
Calcium	Dissolved (mg/L)	60	40	20	20	30	50	10	17
Copper	Dissolved (mg/L)	0.01	0.005	0.02	0.01	0.005	0.03	0.01	0.01
Magnesium	Dissolved (mg/L)	1	1	1	1	3	3	1	0.9
Zinc	Dissolved (mg/L)	0.1	0.05	0.05	0.05	0.05	0.1	0.1	0.07
Alkalinity	(mg/m ² /wk)	NA	6.513	2.590	4.693	5.219	1.974	4.218	5.432
Acidity	(mg/m ² /wk)	NA	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sulfate	(mg/m ² /wk)	NA	99.171	40.149	25.598	60.632	49.339	24.423	32.203
Silicon	(mg/m ² /wk)	NA	0.000	0.000	2.133	3.837	0.740	0.740	0.532
Aluminum	(mg/m ² /wk)	NA	0.074	0.065	0.061	0.038	0.049	0.148	0.147
Cadmium	(mg/m ² /wk)	NA	0.007	0.006	0.006	0.004	0.002	0.004	0.008
Calcium	(mg/m ² /wk)	NA	59.207	25.903	12.190	23.025	24.669	7.401	18.407
Copper	(mg/m ² /wk)	NA	0.007	0.026	0.006	0.004	0.015	0.007	0.014
Magnesium	(mg/m ² /wk)	NA	1.480	1.295	0.609	2.302	1.480	0.740	0.777
Zinc	(mg/m ² /wk)	NA	0.074	0.065	0.030	0.038	0.049	0.074	0.108

NOTE: Values reported as below detection were assigned a value of 1/2 detection limit, and are shown in italics

ISLAND COPPER MINE

MINEWALL FIELD STUDIES

Station 6

Surface Area (m²)= 0.1638

Date		30-Jun-92	15-Jul-92	22-Jul-92	29-Jul-92	12-Aug-92	26-Aug-92	08-Sep-92	24-Sep-92	07-Oct-92
Time Interval (wk)		0	2.1	1	1	2	2	1.9	2.3	1.9
pH		3.56	6.54	6.94	6.26	6.46	6.19	6.83	6.96	6.64
Conductivity	(uS/cm)	117	360	108	65	390				190
Alkalinity	(mg CaCO ₃ /L)		41	11	5.3	16	5.5	8.7	8.4	5.8
Acidity	(mg CaCO ₃ /L)	23								
Sulfate	Dissolved (mg/L)	30	94	31	18	140	36	72	111	100
Silicon	Dissolved (mg/L)									
Aluminum	Dissolved (mg/L)	0.5	0.1	0.4	0.6	0.3	0.2	0.1	0.1	0.05
Cadmium	Dissolved (mg/L)	0.005	0.01	0.005	0.005	0.01	0.005	0.005	0.005	0.005
Calcium	Dissolved (mg/L)	10	80	20	6	80	20	20	40	30
Copper	Dissolved (mg/L)	0.03	0.33	0.01	0.02	0.01	0.01	0.04	0.005	0.03
Magnesium	Dissolved (mg/L)	1	3	1	1	3	1	2	2	1
Zinc	Dissolved (mg/L)	0.2	0.1	0.05	0.2	0.1	0.05	0.05	0.05	0.05
Alkalinity	(mg/m ² /wk)	NA	58.405	33.578	16.178	24.420	8.394	14.300	11.218	9.533
Acidity	(mg/m ² /wk)	NA	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sulfate	(mg/m ² /wk)	NA	133.903	94.628	54.945	213.675	54.945	118.343	148.237	164.366
Silicon	(mg/m ² /wk)	NA	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aluminum	(mg/m ² /wk)	NA	0.142	1.221	1.832	0.458	0.305	0.164	0.134	0.082
Cadmium	(mg/m ² /wk)	NA	0.014	0.015	0.015	0.015	0.008	0.008	0.007	0.008
Calcium	(mg/m ² /wk)	NA	113.960	61.050	18.315	122.100	30.525	32.873	53.419	49.310
Copper	(mg/m ² /wk)	NA	0.470	0.031	0.061	0.015	0.015	0.066	0.007	0.049
Magnesium	(mg/m ² /wk)	NA	4.274	3.053	3.053	4.579	1.526	3.287	2.671	1.644
Zinc	(mg/m ² /wk)	NA	0.142	0.153	0.611	0.153	0.076	0.082	0.067	0.082

NOTE: Values reported as below detection were assigned a value of 1/2 detection limit, and are shown in italics

ISLAND COPPER MINE

MINEWALL FIELD STUDIES

Station 6

Surface Area (m²)= 0.1638

Date		03-Jun-93	27-Jul-93	12-Aug-93	26-Aug-93	01-Sep-93	15-Sep-93	27-Sep-93	06-Oct-93	12-Oct-93
Time Interval (wk)		0	2	2.3	2	0.9	2	1.7	1.3	0.9
pH		7.84	6.75	5.94	6.82	6.98	6.39	6.8	6.39	5.98
Conductivity	(uS/cm)	546	471	277	380	330	200	172	127	124
Alkalinity	(mg CaCO ₃ /L)	13.6	8.2	5	6.4	8.5	7.3	10	5	4.5
Acidity	(mg CaCO ₃ /L)									
Sulfate	Dissolved (mg/L)	310	230	110	170	150	82	56	47	60
Silicon	Dissolved (mg/L)						7.8	11	5.3	4
Aluminum	Dissolved (mg/L)	0.6	0.1	0.1	0.05	0.1	0.1	0.3	0.3	0.05
Cadmium	Dissolved (mg/L)	0.01	0.005	0.01	0.005	0.005	0.01	0.005	0.005	0.005
Calcium	Dissolved (mg/L)	120	90	50	70	50	20	30	20	20
Copper	Dissolved (mg/L)	0.07	0.01	0.02	0.04	0.005	0.01	0.005	0.05	0.01
Magnesium	Dissolved (mg/L)	4	2	1	2	2	2	1	1	1
Zinc	Dissolved (mg/L)	0.6	0.05	0.1	0.05	0.05	0.05	0.05	0.05	0.05
Alkalinity	(mg/m ² /wk)	NA	12.515	6.677	9.768	30.271	11.142	17.806	11.871	16.026
Acidity	(mg/m ² /wk)	NA	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sulfate	(mg/m ² /wk)	NA	351.038	146.902	259.463	534.188	125.153	99.715	111.586	213.675
Silicon	(mg/m ² /wk)	NA	0.000	0.000	0.000	0.000	11.905	19.587	12.583	14.245
Aluminum	(mg/m ² /wk)	NA	0.153	0.134	0.076	0.356	0.153	0.534	0.712	0.178
Cadmium	(mg/m ² /wk)	NA	0.008	0.013	0.008	0.018	0.015	0.009	0.012	0.018
Calcium	(mg/m ² /wk)	NA	137.363	66.774	106.838	178.063	30.525	53.419	47.483	71.225
Copper	(mg/m ² /wk)	NA	0.015	0.027	0.061	0.018	0.015	0.009	0.119	0.036
Magnesium	(mg/m ² /wk)	NA	3.053	1.335	3.053	7.123	3.053	1.781	2.374	3.561
Zinc	(mg/m ² /wk)	NA	0.076	0.134	0.076	0.178	0.076	0.089	0.119	0.178

NOTE: Values reported as below detection were assigned a value of 1/2 detection limit, and are shown in italics

ISLAND COPPER MINE

MINEWALL FIELD STUDIES

Station 6

Surface Area (m²)= 0.1638

Date		20-Oct-93	27-Oct-93	23-Nov-93	21-Dec-93	
Time Interval (wk)		1.1	1	3.9	4	Average
pH		6.11	6.08	6.64	6.83	6.53
Conductivity	(uS/cm)	170	230	185	189	233.4
Alkalinity	(mg CaCO ₃ /L)	6.3	4.7	4.9	8.1	9.0
Acidity	(mg CaCO ₃ /L)					
Sulfate	Dissolved (mg/L)	61	110	93	75	92.3
Silicon	Dissolved (mg/L)	3.4	4.3	2.7	2.4	5.1
Aluminum	Dissolved (mg/L)	0.1	0.1	0.2	0.7	0.20
Cadmium	Dissolved (mg/L)	0.005	0.005	0.005	0.005	0.01
Calcium	Dissolved (mg/L)	20	40	30	30	38
Copper	Dissolved (mg/L)	0.03	0.02	0.03	0.02	0.04
Magnesium	Dissolved (mg/L)	2	2	2	1	1.7
Zinc	Dissolved (mg/L)	0.05	0.05	0.05	0.05	0.06
Alkalinity	(mg/m ² /wk)	16.827	14.347	3.878	6.181	16.667
Acidity	(mg/m ² /wk)	0.000	0.000	0.000	0.000	0.000
Sulfate	(mg/m ² /wk)	162.927	335.775	73.599	57.234	172.715
Silicon	(mg/m ² /wk)	9.081	13.126	2.137	1.832	4.225
Aluminum	(mg/m ² /wk)	0.267	0.305	0.158	0.534	0.395
Cadmium	(mg/m ² /wk)	0.013	0.015	0.004	0.004	0.011
Calcium	(mg/m ² /wk)	53.419	122.100	23.742	22.894	69.770
Copper	(mg/m ² /wk)	0.080	0.061	0.024	0.015	0.060
Magnesium	(mg/m ² /wk)	5.342	6.105	1.583	0.763	3.160
Zinc	(mg/m ² /wk)	0.134	0.153	0.040	0.038	0.133

NOTE: Values reported as below detection were assigned a value of 1/2 detection limit, and are shown in italics

APPENDIX C.

**MINEWALL Report Containing Input and Output Data
for the Main Zone Pit at Equity Silver Mines**

*** MINEWALL 2.0 REPORT ***

EQUITY SILVER MINES -
MAIN ZONE PIT-
COMPARISON TO MINEWALL 1.0 RESULTS

Printed on 04-08-1995 at 17:32:53

** INPUT DATA **

OPERATION:

Simulations were performed on a Monthly Basis:

Starting Month/Year is 1/ 1990

Ending Month/Year is 6/ 1992

CLOSURE:

Simulations were performed on a Monthly Basis:

Starting Month/Year is 7/ 1992

Ending Month/Year is 7/ 2010

Geochemical Parameters in this simulation were:

pH Alk (mg/L) Acid (mg/L) SO4 (mg/L)

Geochemical/Rock Units and their physicochemical characteristics were:

Unit Name	Gabbro	Volcanics#1	Volcanics#2
Unit #	1	2	3
Rate - Control	1	1	1
- max 'd', m	.01	.01	.01
Years Exposed	5	5	5
Lat. Area, m^2	315000	234000	214000
- %Area Sloping	0	0	0
- Slope Angle	0	0	0
Ratio Total/Wall	20	40	40
%Surf Flush Reg	28	28	28
%Surf Flush Per	2	2	2
%Surf Not Flushd	70	70	70
Reactive %S	.8	1.07	2.4
React ppt CaCO3	27.5	6.7	0
Spec. Grav.	3	3	3

For each Geochemical Unit, the FACTOR in the rate-control equation was:

Unit	1	2	3
Factor	0	0	0

Periodic, non-regular fracture flushing over an annual period was:

Time	Unit 1	Unit 2	Unit 3
1	0	0	0
2	0	0	0
3	1	1	1
4	0	0	0
5	0	0	0
6	0	0	0
7	0	0	0
8	0	0	0
9	0	0	0
10	0	0	0
11	1	1	1
12	0	0	0

The following rates are decreased to 0 % when the Units are submerged

For each Geochemical Unit, the following rate information was used:

UNIT # 1

Inputted Data:

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH
1	0	11	11	22	5
2	0	11	11	22	5
3	0	11	11	22	5
4	0	11	11	22	5
5	0	11	11	22	5
6	0	11	11	22	5
7	0	11	11	22	5
8	0	11	11	22	5
9	0	11	11	22	5
10	0	11	11	22	5

[illegible]

Rate Acceleration Factor for each Unit when NP was depleted was:

Unit # 1 1
Unit # 2 1
Unit # 3 1

Mine dimensions and distribution of Geochemical Units in the mine were:

```
* MINE DIM'S
Important Pts. Elev. (masl) Cum.Vol.(m^3) Area (m^2) Unit# 1 (Cum.%) Unit# 2 (Cum.%)
Unit# 3 (Cum.%)
Top of Mine 1320 1.6E+07 300000 100 100
100
Drain Level 1290 1.6E+07 280000 90 90
90
Equil. Level 1282 1.56E+07 275000 80 80
80
1280 1.53E+07 272000 70 70
1260 1.22E+07 234000 60 60
1240 9500000 198000 50 50
1220 7070000 162000 40 40
1200 5060000 130000 30 30
1180 3380000 99000 20 20
1160 2000000 70000 10 10
1140 896000 41000 5 5
Bottom of Mine 1120 0 37000 2 2
2
```

Characteristics of the Layers during Operation (Mine Bottom) and During Closure (others), if selected, were:

```
LAYER NUMBER: 0 1
LAYER NAME: Mine Bottom Pit Bottom
FLOWS:... 0
-Precip (%) 100 100
-Evap (%) 100 100
-Runoff (%) 100 100
-Sat Flow (%) 100 100
-Pump#1 (%) 100 100
-Pump#2 (%) 100 100
```

```
CHEM:...
-Mass Balance
-Set Value
-Equilibrium
-Kinetic
-Empirical
```

The geochemical controls for each Parameter in each layer were:

```
LAYER NUMBER: 0 1
pH L= 1Ac+ 1 L= 1Ac+ 1
Alk (mg/L) L= .301pH+-.107 L= .301pH+-.107
Acid (mg/L) L=-.575pH+ 4.31 L=-.575pH+ 4.31
SO4 (mg/L) Mass balance Mass balance
```

The information used for each of the flows was:

```
* MINE PRECIP
* OPERATION
Time Precip (m/d) pH Alk (mg/L) Acid (mg/L) SO4 (mg/L)
1 0 5 0 0 0
2 0 5 0 0 0
3 .000584 5 0 0 0
4 .00108 5 0 0 0
5 .00129 5 0 0 0
6 .00187 5 0 0 0
7 .00229 5 0 0 0
8 .0035 5 0 0 0
9 .00107 5 0 0 0
10 .00226 5 0 0 0
11 .000155 5 0 0 0
12 .0003 5 0 0 0
* CLOSURE
Time Precip (m/d) pH Alk (mg/L) Acid (mg/L) SO4 (mg/L)
7 .00229 5 0 0 0
8 .0035 5 0 0 0
9 .00107 5 0 0 0
10 .00226 5 0 0 0
11 .000155 5 0 0 0
12 .0003 5 0 0 0
1 0 5 0 0 0
2 0 5 0 0 0
```

3	.000584	5	0	0	0
4	.00108	5	0	0	0
5	.00129	5	0	0	0
6	.00181	5	0	0	0

* MINE SATUR GW

* OPERATION

Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)
1	820	7.67	139	0	463
2	820	7.67	139	0	463
3	1000	7.67	139	0	463
4	1000	7.67	139	0	463
5	820	7.67	139	0	463
6	820	7.67	139	0	463
7	820	7.67	139	0	463
8	820	7.67	139	0	463
9	820	7.67	139	0	463
10	820	7.67	139	0	463
11	820	7.67	139	0	463
12	820	7.67	139	0	463

* CLOSURE

Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)
7	820	7.67	139	0	463
8	820	7.67	139	0	463
9	820	7.67	139	0	463
10	820	7.67	139	0	463
11	820	7.67	139	0	463
12	820	7.67	139	0	463
1	820	7.67	139	0	463
2	820	7.67	139	0	463
3	1000	7.67	139	0	463
4	1000	7.67	139	0	463
5	820	7.67	139	0	463
6	820	7.67	139	0	463

* MINE RUNOFF

* OPERATION

Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)
1	70.9	6	0	0	0
2	205	6	0	0	0
3	-216	6	0	0	0
4	630	6	0	0	0
5	-323	6	0	0	0
6	113	6	0	0	0
7	29	6	0	0	0
8	-774	6	0	0	0
9	50	6	0	0	0
10	-577	6	0	0	0
11	410	6	0	0	0
12	373	6	0	0	0

* CLOSURE

Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)
7	29	6	0	0	0
8	-774	6	0	0	0
9	50	6	0	0	0
10	-577	6	0	0	0
11	410	6	0	0	0
12	373	6	0	0	0
1	70.9	6	0	0	0
2	205	6	0	0	0
3	-216	6	0	0	0
4	630	6	0	0	0
5	323	6	0	0	0
6	113	6	0	0	0

* PIT EVAP

* OPERATION

Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0

* CLOSURE

Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO ₄ (mg/L)
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0

* MINE PUMP #1
* OPERATION

Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO ₄ (mg/L)
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0

* CLOSURE

Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO ₄ (mg/L)
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0

* MINE PUMP #2
* OPERATION

Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO ₄ (mg/L)
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0

* CLOSURE

Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO ₄ (mg/L)
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0

During operation, Pump #2 was adjusted to obtain no net accumulation of water

**** SIMULATION RESULTS ****

*** OPERATION ***

Non-cumulative Total Loadings and Flows Per Time Interval:

YEAR	Month	Flow (m^3/int)	pH(mg/interval)	Alk(mg/int)	AcI(mg/int)	SO4(mg/int)	1:S rem.(kg):NP rem.(kg)	2: S rem. (kg)	2: NP (kg)	3:S rem.(kg)	3:NP (kg)	Pump #2 (m^3/d)	Water Elev (m)	
1990	1	135891.6	1.027607E+09	2.492338E+10	7.75606E+09	6.660336E+10	1469124	4940215	2940858	1499108	5871912	0	-135891.6	1120
1990	2	137760	1.018276E+09	2.251144E+10	7.005478E+09	6.015787E+10	1468470	4936294	2939887	1493284	5867474	0	-137760	1120
1990	3	139078.4	1.082458E+09	3.030628E+10	9.364461E+09	8.112946E+10	1467747	4931954	2938812	1486836	5862560	0	-139078.4	1120
1990	4	245040	1.7013E+09	2.78724E+10	7.50587E+09	7.695586E+10	1467047	4927754	2937772	1480596	5857805	0	-245040	1120
1990	5	111042	8.545149E+08	2.492338E+10	7.75606E+09	6.660336E+10	1466324	4923413	2936697	1474148	5852891	0	-111042	1120
1990	6	170220	1.19307E+09	2.41194E+10	7.50587E+09	6.445487E+10	1465624	4919213	2935657	1467908	5848136	0	-170220	1120
1990	7	173290	1.209403E+09	2.492338E+10	7.75606E+09	6.660336E+10	1464901	4914873	2934583	1461460	5843223	0	-173290	1120
1990	8	96224	7.245009E+08	2.492338E+10	7.75606E+09	6.660336E+10	1464177	4910532	2933508	1455012	5838309	0	-96224	1120
1990	9	148260	1.07571E+09	2.41194E+10	7.50587E+09	6.445487E+10	1463477	4906332	2932468	1448772	5833554	0	-148260	1120
1990	10	97588	7.55749E+08	2.492338E+10	7.75606E+09	6.660336E+10	1462754	4901991	2931393	1442324	5828640	0	-97588	1120
1990	11	174990	1.25256E+09	2.819908E+10	1.186642E+10	6.881542E+10	1462054	4897791	2930353	1436085	5823885	0	-174990	1120
1991	0	178932	1.280269E+09	2.492338E+10	7.75606E+09	6.660336E+10	1461331	4893451	2929278	1429637	5818971	0	-178932	1120
1991	1	135891.6	1.027607E+09	2.492338E+10	7.75606E+09	6.660336E+10	1460608	4889110	2928204	1423189	5814057	0	-135891.6	1120
1991	2	137760	1.018276E+09	2.251144E+10	7.005478E+09	6.015787E+10	1459954	4885189	2927233	1417365	5809619	0	-137760	1120
1991	3	139078.4	1.082458E+09	3.08246E+10	9.918465E+09	8.168347E+10	1459231	4880849	2926158	1410917	5804706	0	-139078.4	1120
1991	4	245040	1.7013E+09	2.78724E+10	7.50587E+09	7.695586E+10	1458531	4876649	2925118	1404677	5799950	0	-245040	1120
1991	5	111042	8.545149E+08	2.492338E+10	7.75606E+09	6.660336E+10	1457808	4872308	2924043	1398229	5795037	0	-111042	1120
1991	6	170220	1.19307E+09	2.41194E+10	7.50587E+09	6.445487E+10	1457108	4868108	2923004	1391989	5790281	0	-170220	1120
1991	7	173290	1.209403E+09	2.492338E+10	7.75606E+09	6.660336E+10	1456385	4863768	2921929	1385541	5785368	0	-173290	1120
1991	8	96224	7.245009E+08	2.492338E+10	7.75606E+09	6.660336E+10	1455661	4859427	2920854	1379093	5780454	0	-96224	1120
1991	9	148260	1.07571E+09	2.41194E+10	7.50587E+09	6.445487E+10	1454962	4855227	2919814	1372853	5775699	0	-148260	1120
1991	10	97588	7.55749E+08	2.492338E+10	7.75606E+09	6.660336E+10	1454238	4850886	2918739	1366405	5770785	0	-97588	1120
1991	11	174990	1.25256E+09	2.819908E+10	1.186642E+10	6.881542E+10	1453538	4846686	2917699	1360165	5766030	0	-174990	1120
1992	0	178932	1.280269E+09	2.492338E+10	7.75606E+09	6.660336E+10	1452815	4842346	2916624	1353717	5761116	0	-178932	1120
1992	1	135891.6	1.027607E+09	2.492338E+10	7.75606E+09	6.660336E+10	1452092	4838005	2915550	1347269	5756203	0	-135891.6	1120
1992	2	142680	1.054643E+09	2.331542E+10	7.25567E+09	6.230636E+10	1451415	4833945	2914544	1341237	5751606	0	-142680	1120
1992	3	139078.4	1.082458E+09	3.084132E+10	9.936336E+09	8.170133E+10	1450692	4829604	2913470	1334789	5746692	0	-139078.4	1120
1992	4	245040	1.7013E+09	2.78724E+10	7.50587E+09	7.695586E+10	1449992	4825404	2912430	1328549	5741937	0	-245040	1120
1992	5	111042	8.545149E+08	2.492338E+10	7.75606E+09	6.660336E+10	1449269	4821064	2911355	1322101	5737023	0	-111042	1120
1992	6	170220	1.19307E+09	2.41194E+10	7.50587E+09	6.445487E+10	1448569	4816864	2910315	1315861	5732268	0	-170220	1120

Non-cumulative Flows and Concentrations Per Time Interval for Mine Bottom Sump(s)

YEAR	Month	Flow (m ³ /int)	pH	Alk(mg/L)	Acid(mg/L)	SO4(mg/L)	1:S rem.(kg)	1:NP (kg)	2:S rem. (kg)	2:NP rem.(kg)	3:S rem.(kg)	3:NP rem.(kg)	Pump #2(m ³ /d)	Water Elev (m)
1990	1	135891.6	7.337242	126.331	0	490.1213	1469124	4940215	2940858	1499108	5871912	0	-135891.6	1120
1990	2	137760	7.170683	112.5578	0	436.686	1468470	4936294	2939887	1493284	5867474	0	-137760	1120
1990	3	139078.4	7.590547	150.5756	0	583.3362	1467747	4931954	2938812	1486836	5862560	0	-139078.4	1120
1990	4	245040	6.733157	83.11513	0	314.0543	1467047	4927754	2937772	1480596	5857805	0	-245040	1120
1990	5	111042	7.628622	154.602	0	599.8033	1466324	4923413	2936697	1474148	5852891	0	-111042	1120
1990	6	170220	6.964954	97.60034	0	378.6563	1465624	4919213	2935657	1467908	5848136	0	-170220	1120
1990	7	173290	6.986475	99.06699	0	384.3463	1464901	4914873	2934583	1461460	5843223	0	-173290	1120
1990	8	96224	7.835279	178.4099	0	692.1699	1464177	4910532	2933508	1455012	5838309	0	-96224	1120

1990	9	148260	7.164246	112.0567	0	434.7421	1463477	4906332	2932468	1448772	5833554	0	-148260	1120
1990	10	97588	7.81497	175.9163	0	682.4954	1462754	4901991	2931393	1442324	5828640	0	-97588	1120
1990	11	174990	6.900477	93.33481	0	393.2534	1462054	4897791	2930353	1436085	5823885	0	-174990	1120
1991	0	178932	6.940247	95.94324	0	372.2272	1461331	4893451	2929278	1429637	5818971	0	-178932	1120
1991	1	135891.6	7.337242	126.331	0	490.1213	1460608	4889110	2928204	1423189	5814057	0	-135891.6	1120
1991	2	137760	7.170683	112.5578	0	436.686	1459954	4885189	2927233	1417365	5809619	0	-137760	1120
1991	3	139078.4	7.588087	150.3191	0	587.3196	1459231	4880849	2926158	1410917	5804706	0	-139078.4	1120
1991	4	245040	6.733157	83.11513	0	314.0543	1458531	4876649	2925118	1404677	5799950	0	-245040	1120
1991	5	111042	7.628622	154.602	0	599.8033	1457808	4872308	2924043	1398229	5795037	0	-111042	1120
1991	6	170220	6.964954	97.60034	0	378.6563	1457108	4868108	2923004	1391989	5790281	0	-170220	1120
1991	7	173290	6.986475	99.06699	0	384.3463	1456385	4863768	2921929	1385541	5785368	0	-173290	1120
1991	8	96224	7.835279	178.4099	0	692.1699	1455661	4859427	2920854	1379093	5780454	0	-96224	1120
1991	9	148260	7.164246	112.0567	0	434.7421	1454962	4855227	2919814	1372853	5775699	0	-148260	1120
1991	10	97588	7.81497	175.9163	0	682.4954	1454238	4850886	2918739	1366405	5770785	0	-97588	1120
1991	11	174990	6.900477	93.33481	0	393.2534	1453538	4846686	2917699	1360165	5766030	0	-174990	1120
1992	0	178932	6.940247	95.94324	0	372.2272	1452815	4842346	2916624	1353717	5761116	0	-178932	1120
1992	1	135891.6	7.337242	126.331	0	490.1213	1452092	4838005	2915550	1347269	5756203	0	-135891.6	1120
1992	2	142680	7.170683	112.5578	0	436.686	1451415	4833945	2914544	1341237	5751606	0	-142680	1120
1992	3	139078.4	7.588007	150.3108	0	587.448	1450692	4829604	2913470	1334789	5746692	0	-139078.4	1120
1992	4	245040	6.733157	83.11513	0	314.0543	1449992	4825404	2912430	1328549	5741937	0	-245040	1120
1992	5	111042	7.628622	154.602	0	599.8033	1449269	4821064	2911355	1322101	5737023	0	-111042	1120
1992	6	170220	6.964954	97.60034	0	378.6563	1448569	4816864	2910315	1315861	5732268	0	-170220	1120

* CLOSURE *

Cumulative Total Loadings and Volumes Per Time Interval:

YEAR	Month	Vol (m ³ /Lyr)	pH(interval)	Alk(mg/int)	Acid(mg/int)	SO4(mg/int)	1:S rem.(kg)	1:NP rem.(kg)	2:S rem.(kg)	2:NP rem.(kg)	3:S rem.(kg)	3:NP rem.(kg)	Pump #2	Water Elevation (m)
1992	7	173290	1.209403E+09	7.246874E+10	5.857473E+10	1.17422E+11	1447864	4812634	2909268	1309578	5727479	0	0	1123.868
1992	8	269514	1.933904E+09	1.383506E+11	8.66915E+10	2.043861E+11	1447161	4808419	2908224	1303315	5722707	0	0	1126.016
1992	9	417774	3.009614E+09	2.178723E+11	1.217639E+11	2.964075E+11	1446485	4804361	2907219	1297285	5718112	0	0	1129.325
1992	10	515362	3.765363E+09	3.30071E+11	1.823625E+11	4.154694E+11	1445788	4800181	2906184	1291075	5713378	0	0	1131.504
1992	11	690352	5.017923E+09	4.580791E+11	2.439141E+11	5.338352E+11	1445118	4796161	2905188	1285101	5708826	0	0	1135.41
1993	0	869284	6.298191E+09	6.231196E+11	3.310882E+11	6.790531E+11	1444430	4792031	2904166	1278967	5704151	0	0	1139.404
1993	1	1005176	7.325798E+09	8.063362E+11	4.177661E+11	8.241589E+11	1443746	4787927	2903150	1272870	5699505	0	0	1141.978
1993	2	1142936	8.344074E+09	1.030646E+12	5.352108E+11	9.9336E+11	1443133	4784245	2902238	1267399	5695335	0	0	1144.474
1993	3	1282014	9.426532E+09	1.303083E+12	6.754532E+11	1.20346E+12	1442458	4780194	2901235	1261381	5690749	0	0	1146.993
1993	4	1527054	1.112783E+10	1.618584E+12	8.364254E+11	1.431338E+12	1441812	4776321	2900276	1255626	5686363	0	0	1151.432
1993	5	1718200	1.246297E+10	1.979848E+12	1.022058E+12	1.672518E+12	1441151	4772355	2899294	1249735	5681873	0	0	1154.895
1993	6	1887340	1.365064E+10	2.375467E+12	1.214938E+12	1.91955E+12	1440517	4768550	2898352	1244081	5677565	0	0	1157.959
1993	7	2030849	1.913836E+10	1.198625E+12	2.626036E+10	1.989346E+12	1439866	4764649	2897386	1238286	5673148	0	0	1160.447
1993	8	2097291	1.963443E+10	1.255324E+12	6.190588E+10	2.067863E+12	1439220	4760769	2896425	1232521	5668755	0	0	1161.41
1993	9	2216730	2.048909E+10	1.334181E+12	1.087988E+11	2.155345E+12	1438600	4757050	2895504	1226996	5664544	0	0	1163.141
1993	10	2284537	2.101641E+10	1.42199E+12	1.495744E+11	2.239069E+12	1437963	4753228	2894558	1221318	5660216	0	0	1164.124
1993	11	2430706	2.204792E+10	1.548686E+12	2.226094E+11	2.351175E+12	1437354	4749573	2893653	1215888	5656078	0	0	1166.242
1994	0	2579857	2.309976E+10	1.707346E+12	3.095E+11	2.47736E+12	1436732	4745844	2892730	1210347	5651855	0	0	1168.404
1994	1	2685967	2.389894E+10	1.903276E+12	4.150965E+11	2.620815E+12	1436116	4742147	2891814	1204854	5647669	0	0	1169.942

1994	2	2796827	2.47109E+10	2.138881E+12	5.409193E+11	2.778483E+12	1435565	4738839	2890995	1199940	5643924	0	0	1171.548
1994	3	2899587	2.551479E+10	2.426525E+12	6.919982E+11	2.973795E+12	1434959	4735209	2890096	1194546	5639813	0	0	1173.037
1994	4	3109479	2.694651E+10	2.763118E+12	8.667744E+11	3.188922E+12	1434384	4731759	2889242	1189420	5635908	0	0	1176.079
1994	5	3270844	2.805323E+10	3.152061E+12	1.069106E+12	3.421139E+12	1433799	4728244	2888372	1184198	5631928	0	0	1178.418
1994	6	3411163	2.901984E+10	3.599466E+12	1.300843E+12	3.678702E+12	1433239	4724883	2887540	1179205	5628123	0	0	1180.371
1994	7	3537088	3.411419E+10	2.335647E+12	2.772618E+10	3.740298E+12	1432665	4721442	2886688	1174093	5624227	0	0	1181.87
1994	8	3585947	3.44754E+10	2.371948E+12	4.359553E+10	3.792013E+12	1432094	4718014	2885839	1169000	5620346	0	0	1182.452
1994	9	3688370	3.519954E+10	2.436865E+12	8.551295E+10	3.86504E+12	1431546	4714721	2885023	1164109	5616618	0	0	1183.671
1994	10	3738593	3.5592E+10	2.506627E+12	1.180759E+11	3.93181E+12	1430981	4711332	2884184	1159074	5612782	0	0	1184.269
1994	11	3867745	3.649299E+10	2.613868E+12	1.831592E+11	4.025849E+12	1430439	4708084	2883380	1154249	5609104	0	0	1185.807
1995	0	3999312	3.740997E+10	2.751364E+12	2.615202E+11	4.132481E+12	1429886	4704762	2882557	1149312	5605342	0	0	1187.373
1995	1	4087839	3.807429E+10	2.903318E+12	3.350942E+11	4.235942E+12	1429336	4701462	2881740	1144410	5601606	0	0	1188.427
1995	2	4182817	3.876443E+10	3.099255E+12	4.430726E+11	4.365221E+12	1428843	4698504	2881007	1140014	5598256	0	0	1189.557
1995	3	4264133	3.940385E+10	3.320059E+12	5.506839E+11	4.507304E+12	1428300	4695249	2880201	1135179	5594571	0	0	1190.525
1995	4	4453274	4.067641E+10	3.59105E+12	6.949891E+11	4.67906E+12	1427783	4692147	2879433	1130569	5591058	0	0	1192.777
1995	5	4597055	4.164825E+10	3.907145E+12	8.630075E+11	4.864904E+12	1427255	4688977	2878648	1125860	5587469	0	0	1194.489
1995	6	4720358	4.248436E+10	4.274389E+12	1.056757E+12	5.071936E+12	1426749	4685940	2877896	1121349	5584031	0	0	1195.957
1995	7	4834055	4.686695E+10	3.254543E+12	2.942226E+10	5.12804E+12	1426231	4682831	2877126	1116729	5580511	0	0	1197.31
1995	8	4870686	4.713437E+10	3.289788E+12	4.530135E+10	5.173568E+12	1425714	4679731	2876358	1112124	5577001	0	0	1197.746
1995	9	4961275	4.776775E+10	3.333028E+12	6.521231E+10	5.221761E+12	1425218	4676754	2875622	1107701	5573630	0	0	1198.825
1995	10	4999270	4.806642E+10	3.408807E+12	1.143367E+11	5.294857E+12	1424706	4673686	2874862	1103144	5570158	0	0	1199.277
1995	11	5116589	4.887664E+10	3.491473E+12	1.555909E+11	5.361934E+12	1424216	4670745	2874134	1098775	5566828	0	0	1200.563
1996	0	5235928	4.969983E+10	3.611757E+12	2.27121E+11	5.454333E+12	1423714	4667732	2873387	1094297	5563416	0	0	1201.75
1996	1	5312227	5.027036E+10	3.742333E+12	2.905678E+11	5.541284E+12	1423214	4664734	2872645	1089845	5560023	0	0	1202.51
1996	2	5399158	5.089741E+10	3.916356E+12	3.892612E+11	5.654836E+12	1422750	4661948	2871955	1085704	5556868	0	0	1203.375
1996	3	5465562	5.142246E+10	4.110262E+12	4.841115E+11	5.775818E+12	1422256	4658983	2871221	1081300	5553511	0	0	1204.035
1996	4	5640272	5.258433E+10	4.353517E+12	6.165179E+11	5.925816E+12	1421784	4656151	2870519	1077091	5550303	0	0	1205.774
1996	5	5771825	5.346238E+10	4.640598E+12	7.718466E+11	6.089383E+12	1421301	4653251	2869801	1072783	5547021	0	0	1207.083
1996	6	5883294	5.420772E+10	4.953307E+12	9.263071E+11	6.252835E+12	1420837	4650469	2869112	1068649	5543870	0	0	1208.192
1996	7	5987392	5.818957E+10	4.064302E+12	3.126733E+10	6.304804E+12	1420361	4647615	2868405	1064410	5540640	0	0	1209.228
1996	8	6014423	5.838337E+10	4.099087E+12	4.734347E+10	6.345546E+12	1419887	4644767	2867700	1060180	5537416	0	0	1209.497
1996	9	6095723	5.894549E+10	4.141906E+12	6.746254E+10	6.388986E+12	1419430	4642029	2867022	1056111	5534315	0	0	1210.306
1996	10	6124118	5.917053E+10	4.194262E+12	9.230157E+10	6.437533E+12	1418960	4639205	2866323	1051916	5531118	0	0	1210.588
1996	11	6232148	5.990951E+10	4.284071E+12	1.517561E+11	6.512726E+12	1418508	4636495	2865652	1047889	5528049	0	0	1211.663
1997	0	6341887	6.065906E+10	4.377969E+12	1.973219E+11	6.578715E+12	1418045	4633717	2864964	1043763	5524905	0	0	1212.755
1997	1	6408586	6.115596E+10	4.513581E+12	2.782742E+11	6.672212E+12	1417585	4630954	2864280	1039658	5521776	0	0	1213.419
1997	2	6483850	6.169489E+10	4.658513E+12	3.494649E+11	6.756818E+12	1417171	4628473	2863666	1035972	5518967	0	0	1214.168
1997	3	6538547	6.213014E+10	4.829333E+12	4.332986E+11	6.86101E+12	1416715	4625738	2862989	1031908	5515870	0	0	1214.712
1997	4	6701927	6.320512E+10	5.048052E+12	5.552381E+11	6.99346E+12	1416280	4623124	2862342	1028026	5512912	0	0	1216.338
1997	5	6823881	6.400955E+10	5.308677E+12	6.990135E+11	7.138703E+12	1415834	4620450	2861680	1024053	5509883	0	0	1217.551
1997	6	6926060	6.468363E+10	5.590977E+12	8.387102E+11	7.281686E+12	1415406	4617883	2861044	1020239	5506977	0	0	1218.568
1997	7	7022017	6.834472E+10	4.790216E+12	3.316729E+10	7.330257E+12	1414968	4615251	2860393	1016329	5503997	0	0	1219.523
1997	8	7040908	6.847607E+10	4.824837E+12	4.951894E+10	7.366966E+12	1414530	4612623	2859742	1012424	5501021	0	0	1219.711
1997	9	7114330	6.897777E+10	4.867568E+12	6.994302E+12	7.406407E+12	1414108	4610094	2859115	1008666	5498157	0	0	1220.365
1997	10	7134585	6.914037E+10	4.919767E+12	9.506591E+10	7.45069E+12	1413673	4607484	2858469	1004789	5495202	0	0	1220.532
1997	11	7234736	6.981893E+10	5.011327E+12	1.568561E+11	7.522145E+12	1413255	4604974	2857848	1001061	5492361	0	0	1221.356

1998	0	7336335	7.050605E+10	5.106319E+12	2.033421E+11	7.583729E+12	1412826	4602400	2857210	997235.8	5489446	0	0	1222.192
1998	1	7394894	7.094051E+10	5.217597E+12	2.579611E+11	7.652209E+12	1412399	4599836	2856576	993426.4	5486543	0	0	1222.674
1998	2	7462805	7.142304E+10	5.372681E+12	3.504408E+11	7.746542E+12	1412014	4597531	2856005	990001.1	5483933	0	0	1223.233
1998	3	7507574	7.178215E+10	5.54201E+12	4.339857E+11	7.843531E+12	1411590	4594987	2855375	986220.8	5481051	0	0	1223.601
1998	4	7661348	7.278344E+10	5.73361E+12	5.280202E+11	7.948196E+12	1411184	4592551	2854772	982602.3	5478293	0	0	1224.867
1998	5	7775161	7.352543E+10	5.976286E+12	6.644415E+11	8.080274E+12	1410768	4590054	2854154	978892.3	5475466	0	0	1225.804
1998	6	7869462	7.413909E+10	6.236061E+12	7.932646E+11	8.207888E+12	1410368	4587653	2853559	975326.4	5472749	0	0	1226.58
1998	7	7959133	7.761235E+10	5.481741E+12	3.516683E+10	8.254015E+12	1409957	4585189	2852949	971664.4	5469958	0	0	1227.318
1998	8	7971738	7.769549E+10	5.516618E+12	5.192537E+10	8.287683E+12	1409547	4582726	2852339	968005.8	5467170	0	0	1227.422
1998	9	8039076	7.815053E+10	5.55975E+12	7.282237E+10	8.324121E+12	1409151	4580355	2851752	964482.7	5464485	0	0	1227.976
1998	10	8053045	7.826493E+10	5.612384E+12	9.844499E+10	8.365215E+12	1408743	4577908	2851146	960845.9	5461713	0	0	1228.091
1998	11	8147113	7.889682E+10	5.67692E+12	1.313466E+11	8.41222E+12	1408351	4575555	2850564	957350.8	5459049	0	0	1228.865
1999	0	8242426	7.953573E+10	5.781366E+12	1.997293E+11	8.484824E+12	1407949	4573141	2849965	953763.4	5456316	0	0	1229.65
1999	1	8294699	7.992197E+10	5.890039E+12	2.533314E+11	8.548294E+12	1407548	4570736	2849370	950189.9	5453593	0	0	1230.08
1999	2	8356932	8.036096E+10	6.014985E+12	3.151314E+11	8.616526E+12	1407187	4568574	2848835	946977.5	5451144	0	0	1230.592
1999	3	8394035	8.066127E+10	6.160969E+12	3.873457E+11	8.700052E+12	1406790	4566186	2848244	943430.8	5448441	0	0	1230.897
1999	4	8540390	8.160565E+10	6.355185E+12	5.00351E+11	8.811769E+12	1406409	4563901	2847678	940035.1	5445853	0	0	1232.102
1999	5	8647917	8.229943E+10	6.560091E+12	6.020102E+11	8.913719E+12	1406018	4561559	2847098	936555.1	5443201	0	0	1232.987
1999	6	8736135	8.286643E+10	6.820456E+12	7.489045E+11	9.047382E+12	1405643	4559306	2846540	933209.1	5440651	0	0	1233.713
1999	7	8820209	8.611546E+10	6.080683E+12	4.132019E+09	9.069055E+12	1405257	4556994	2845967	929773.9	5438033	0	0	1234.405
1999	8	8827217	8.615567E+10	6.092717E+12	9.713791E+09	9.092177E+12	1404872	4554684	2845395	926340.6	5435417	0	0	1234.463
1999	9	8889139	8.656917E+10	6.107988E+12	1.691796E+10	9.116355E+12	1404501	4552458	2844844	923034.1	5432897	0	0	1234.972
1999	10	8897511	8.664064E+10	6.159114E+12	5.993681E+10	9.165826E+12	1404118	4550158	2844275	919618.4	5430294	0	0	1235.041
1999	11	8986163	8.723099E+10	6.209071E+12	8.570832E+10	9.204675E+12	1403750	4547949	2843727	916335.8	5427793	0	0	1235.771
2000	0	9075879	8.782697E+10	6.269361E+12	1.15376E+11	9.247119E+12	1403372	4545682	2843166	912967.9	5425226	0	0	1236.509
2000	1	9122555	8.81703E+10	6.341298E+12	1.508598E+11	9.29451E+12	1402996	4543424	2842607	909612.4	5422669	0	0	1236.893
2000	2	9181775	8.858481E+10	6.457122E+12	2.266246E+11	9.368575E+12	1402645	4541321	2842086	906487.1	5420287	0	0	1237.381
2000	3	9212054	8.883277E+10	6.580447E+12	2.878124E+11	9.439704E+12	1402271	4539077	2841531	903154.3	5417747	0	0	1237.63
2000	4	9351804	8.97265E+10	6.72202E+12	3.575331E+11	9.516898E+12	1401913	4536931	2840999	899965.3	5415316	0	0	1238.78
2000	5	9453734	9.037736E+10	6.915029E+12	4.721161E+11	9.62203E+12	1401547	4534730	2840454	896696	5412825	0	0	1239.619
2000	6	9536536	9.090281E+10	7.119817E+12	5.739743E+11	9.719868E+12	1401194	4532614	2839930	893552.7	5410430	0	0	1240.271
2000	7	9615466	9.374647E+10	6.554027E+12	3.884094E+09	9.73891E+12	1400832	4530440	2839392	890323.7	5407969	0	0	1240.855
2000	8	9617330	9.374722E+10	6.564941E+12	9.132539E+09	9.759316E+12	1400470	4528267	2838854	887095.1	5405508	0	0	1240.869
2000	9	9674273	9.412253E+10	6.612371E+12	5.166775E+10	9.804019E+12	1400120	4526172	2838335	883982.7	5403136	0	0	1241.291
2000	10	9677501	9.415454E+10	6.655587E+12	7.30588E+10	9.836176E+12	1399760	4524007	2837799	880767.3	5400686	0	0	1241.315
2000	11	9761174	9.47067E+10	6.710689E+12	1.015529E+11	9.873967E+12	1399413	4521926	2837284	877675.1	5398329	0	0	1241.935
2001	0	9845746	9.526323E+10	6.776149E+12	1.340395E+11	9.91526E+12	1399057	4519789	2836755	874500.3	5395910	0	0	1242.561
2001	1	9887277	9.556709E+10	6.853218E+12	1.723249E+11	9.961373E+12	1398702	4517659	2836228	871335.4	5393498	0	0	1242.869
2001	2	9939808	9.593165E+10	6.976062E+12	2.5306E+11	1.003434E+13	1398382	4515742	2835753	868487.2	5391328	0	0	1243.258
2001	3	9963813	9.61315E+10	7.105665E+12	3.176658E+11	1.010352E+13	1398029	4513623	2835229	865339.5	5388929	0	0	1243.436
2001	4	1.009749E+07	9.697866E+10	7.253777E+12	3.909667E+11	1.01788E+13	1397691	4511594	2834726	862324.6	5386631	0	0	1244.426
2001	5	1.019428E+07	9.759005E+10	7.455776E+12	5.115168E+11	1.028305E+13	1397344	4509512	2834210	859231.2	5384273	0	0	1245.143
2001	6	1.02721E+07	9.807732E+10	7.669182E+12	6.179223E+11	1.037944E+13	1397010	4507509	2833714	856255.8	5382005	0	0	1245.719
2001	7	1.034676E+07	1.009081E+11	7.058657E+12	3.676671E+09	1.03963E+13	1396668	4505452	2833205	853199.2	5379675	0	0	1246.272
2001	8	1.034434E+07	1.008761E+11	7.068639E+12	8.646044E+09	1.041445E+13	1396324	4503395	2832695	850142	5377345	0	0	1246.254
2001	9	1.039715E+07	1.012197E+11	7.081527E+12	1.506221E+10	1.043362E+13	1395994	4501411	2832205	847195.8	5375100	0	0	1246.646

2001	10	1.03961E+07	1.012189E+11	7.098297E+12	2.341827E+10	1.045515E+13	1395652	4499362	2831697	844151.1	5372779	0	0	1246.638
2001	11	1.047564E+07	1.017393E+11	7.157006E+12	7.430032E+10	1.050449E+13	1395324	4497391	2831209	841221.8	5370547	0	0	1247.227
2002	0	1.055594E+07	1.02263E+11	7.211254E+12	1.013715E+11	1.053972E+13	1394987	4495367	2830708	838214.4	5368255	0	0	1247.822
2002	1	1.059319E+07	1.025341E+11	7.277218E+12	1.342944E+11	1.057967E+13	1394650	4493348	2830208	835215.9	5365970	0	0	1248.098
2002	2	1.064186E+07	1.028691E+11	7.354744E+12	1.729976E+11	1.062302E+13	1394348	4491533	2829759	832518.3	5363915	0	0	1248.458
2002	3	1.066065E+07	1.030289E+11	7.447376E+12	2.193445E+11	1.067705E+13	1394013	4489525	2829262	829536.1	5361642	0	0	1248.597
2002	4	1.078929E+07	1.038374E+11	7.589691E+12	3.109694E+11	1.075979E+13	1393692	4487602	2828786	826678.8	5359465	0	0	1249.55
2002	5	1.08818E+07	1.04416E+11	7.73616E+12	3.841014E+11	1.083023E+13	1393364	4485630	2828297	823748.6	5357231	0	0	1250.236
2002	6	1.095548E+07	1.048715E+11	7.903107E+12	4.674649E+11	1.090818E+13	1393048	4483733	2827827	820930.1	5355083	0	0	1250.781
2002	7	1.102617E+07	1.073817E+11	7.479714E+12	4.346692E+10	1.094767E+13	1392723	4481784	2827345	818033.4	5352875	0	0	1251.305
2002	8	1.101978E+07	1.073192E+11	7.516929E+12	6.22277E+10	1.097239E+13	1392398	4479833	2826861	815135.1	5350667	0	0	1251.258
2002	9	1.106875E+07	1.076333E+11	7.563177E+12	8.549247E+10	1.100005E+13	1392084	4477953	2826396	812341.9	5348538	0	0	1251.62
2002	10	1.106373E+07	1.07602E+11	7.61936E+12	1.137297E+11	1.103184E+13	1391760	4476009	2825915	809454.1	5346337	0	0	1251.583
2002	11	1.113942E+07	1.08093E+11	7.687468E+12	1.489596E+11	1.106906E+13	1391449	4474141	2825452	806677.3	5344221	0	0	1252.144
2003	0	1.121575E+07	1.085863E+11	7.766087E+12	1.883921E+11	1.110965E+13	1391129	4472222	2824977	803826.4	5342049	0	0	1252.709
2003	1	1.124903E+07	1.088269E+11	7.856367E+12	2.336491E+11	1.115487E+13	1390810	4470308	2824503	800983.6	5339882	0	0	1252.956
2003	2	1.129411E+07	1.091343E+11	7.996878E+12	3.260102E+11	1.122866E+13	1390523	4468586	2824076	798424.3	5337932	0	0	1253.29
2003	3	1.130806E+07	1.09257E+11	8.142532E+12	3.9908E+11	1.129608E+13	1390206	4466681	2823604	795594.2	5335775	0	0	1253.393
2003	4	1.143201E+07	1.100296E+11	8.30738E+12	4.812295E+11	1.136966E+13	1389902	4464857	2823153	792884.4	5333709	0	0	1254.311
2003	5	1.152055E+07	1.105777E+11	8.491957E+12	5.735944E+11	1.144893E+13	1389590	4462987	2822690	790105.8	5331592	0	0	1254.967
2003	6	1.159039E+07	1.110038E+11	8.736534E+12	7.183569E+11	1.156104E+13	1389290	4461187	2822244	787431.6	5329554	0	0	1255.484
2003	7	1.165738E+07	1.138712E+11	8.02416E+12	3.304392E+09	1.157397E+13	1388982	4459338	2821786	784684.6	5327460	0	0	1255.981
2003	8	1.164731E+07	1.137804E+11	8.032468E+12	7.772897E+09	1.158807E+13	1388673	4457487	2821328	781935.1	5325365	0	0	1255.906
2003	9	1.16927E+07	1.140672E+11	8.043413E+12	1.354299E+10	1.160316E+13	1388376	4455703	2820886	779284.8	5323345	0	0	1256.242
2003	10	1.168399E+07	1.140076E+11	8.05783E+12	2.106006E+10	1.162031E+13	1388069	4453858	2820429	776544.3	5321256	0	0	1256.178
2003	11	1.175612E+07	1.144712E+11	8.07763E+12	3.223978E+10	1.164081E+13	1387773	4452085	2819990	773908.9	5319247	0	0	1256.712
2004	0	1.182875E+07	1.149361E+11	8.141929E+12	8.770354E+10	1.16884E+13	1387469	4450262	2819539	771201.8	5317183	0	0	1257.25
2004	1	1.185835E+07	1.151485E+11	8.201279E+12	1.17661E+11	1.172184E+13	1387166	4448445	2819089	768501.7	5315126	0	0	1257.469
2004	2	1.190159E+07	1.154404E+11	8.272648E+12	1.536032E+11	1.175927E+13	1386884	4446752	2818669	765985.6	5313209	0	0	1257.79
2004	3	1.191103E+07	1.155286E+11	8.358648E+12	1.970457E+11	1.180556E+13	1386583	4444943	2818221	763298.4	5311161	0	0	1257.859
2004	4	1.203063E+07	1.162677E+11	8.457578E+12	2.46451E+11	1.185607E+13	1386294	4443211	2817793	760725.8	5309200	0	0	1258.745
2004	5	1.211548E+07	1.167875E+11	8.611382E+12	3.471382E+11	1.19366E+13	1385998	4441434	2817352	758086.4	5307188	0	0	1259.374
2004	6	1.218175E+07	1.171862E+11	8.76916E+12	4.262537E+11	1.200565E+13	1385714	4439726	2816929	755547.8	5305254	0	0	1259.865
2004	7	1.22453E+07	1.194578E+11	8.348256E+12	3.138646E+09	1.201683E+13	1385421	4437969	2816494	752938.5	5303265	0	0	1260.292
2004	8	1.22318E+07	1.193406E+11	8.355816E+12	7.383661E+09	1.202911E+13	1385128	4436211	2816059	750326.4	5301274	0	0	1260.205
2004	9	1.227386E+07	1.196018E+11	8.365893E+12	1.286699E+10	1.204238E+13	1384845	4434515	2815639	747807.1	5299355	0	0	1260.477
2004	10	1.226172E+07	1.195159E+11	8.379259E+12	2.001134E+10	1.205756E+13	1384553	4432761	2815205	745201.3	5297369	0	0	1260.398
2004	11	1.233051E+07	1.19954E+11	8.397756E+12	3.063891E+10	1.207597E+13	1384272	4431073	2814787	742693.6	5295457	0	0	1260.842
2005	0	1.239971E+07	1.203926E+11	8.462719E+12	8.782694E+10	1.212214E+13	1383982	4429338	2814357	740115.2	5293492	0	0	1261.288
2005	1	1.242587E+07	1.205786E+11	8.521944E+12	1.178795E+11	1.215354E+13	1383694	4427606	2813929	737542.4	5291532	0	0	1261.457
2005	2	1.246452E+07	1.208366E+11	8.593151E+12	1.538756E+11	1.218861E+13	1383434	4426047	2813543	735225.9	5289766	0	0	1261.707
2005	3	1.246977E+07	1.208927E+11	8.678977E+12	1.974167E+11	1.223228E+13	1383146	4424321	2813115	732662.3	5287813	0	0	1261.74
2005	4	1.258531E+07	1.216007E+11	8.777805E+12	2.469794E+11	1.228015E+13	1382871	4422667	2812706	730205.1	5285941	0	0	1262.486
2005	5	1.266672E+07	1.220942E+11	8.933772E+12	3.501466E+11	1.235899E+13	1382587	4420969	2812285	727681.4	5284017	0	0	1263.011
2005	6	1.272967E+07	1.224673E+11	9.093184E+12	4.302396E+11	1.242579E+13	1382315	4419334	2811881	725252	5282166	0	0	1263.417
2005	7	1.279044E+07	1.246763E+11	8.667782E+12	3.004212E+09	1.243554E+13	1382035	4417653	2811464	722754.4	5280262	0	0	1263.809

2005	8	1.277414E+07 1.245377E+11 8.674735E+12 7.068263E+09 1.244636E+13 1381754	4415970	2811047	720253.4	5278356	0	0	1263.704
2005	9	1.281351E+07 1.247782E+11 8.684107E+12 1.231808E+10 1.245814E+13 1381484	4414346	2810645	717841.2	5276517	0	0	1263.958
2005	10	1.279858E+07 1.24671E+11 8.696619E+12 1.915907E+10 1.247173E+13 1381204	4412666	2810229	715345.4	5274614	0	0	1263.862
2005	11	1.286467E+07 1.250883E+11 8.714053E+12 2.933447E+10 1.248844E+13 1380934	4411050	2809829	712943.6	5272784	0	0	1264.288
2006	0	1.293109E+07 1.255056E+11 8.73513E+12 4.043914E+10 1.250629E+13 1380658	4409389	2809418	710475.7	5270903	0	0	1264.717
2006	1	1.295446E+07 1.256701E+11 8.760871E+12 5.387353E+10 1.252648E+13 1380381	4407731	2809007	708012.9	5269026	0	0	1264.867
2006	2	1.299059E+07 1.259089E+11 8.836472E+12 1.178889E+11 1.257573E+13 1380132	4406238	2808637	705793.6	5267335	0	0	1265.101
2006	3	1.299244E+07 1.259389E+11 8.907897E+12 1.543782E+11 1.261311E+13 1379857	4404584	2808228	703336.9	5265462	0	0	1265.113
2006	4	1.310469E+07 1.266217E+11 8.992515E+12 1.969983E+11 1.265473E+13 1379593	4403000	2807836	700982.5	5263668	0	0	1265.837
2006	5	1.318331E+07 1.270938E+11 9.090921E+12 2.467347E+11 1.270061E+13 1379322	4401373	2807433	698566.3	5261827	0	0	1266.344
2006	6	1.324356E+07 1.274462E+11 9.20374E+12 3.036525E+11 1.275183E+13 1379061	4399808	2807045	696240.3	5260054	0	0	1266.733
2006	7	1.330173E+07 1.294353E+11 8.950538E+12 5.214316E+10 1.278801E+13 1378792	4398198	2806647	693847.3	5258230	0	0	1267.108
2006	8	1.328283E+07 1.292768E+11 8.991545E+12 7.33476E+10 1.28072E+13 1378524	4396586	2806248	691452.2	5256404	0	0	1266.986
2006	9	1.331969E+07 1.29498E+11 9.042782E+12 9.974407E+10 1.28296E+13 1378264	4395029	2805862	689140	5254642	0	0	1267.224
2006	10	1.330215E+07 1.293708E+11 9.104693E+12 1.313993E+11 1.285582E+13 1377996	4393419	2805464	686747.1	5252818	0	0	1267.111
2006	11	1.336573E+07 1.297688E+11 9.179079E+12 1.701244E+11 1.288725E+13 1377737	4391869	2805080	684444.4	5251063	0	0	1267.521
2007	0	1.342954E+07 1.301661E+11 9.264696E+12 2.136152E+11 1.292192E+13 1377472	4390277	2804686	682078.5	5249260	0	0	1267.932
2007	1	1.345031E+07 1.303108E+11 9.362536E+12 2.63214E+11 1.296101E+13 1377207	4388687	2804292	679716.9	5247460	0	0	1268.067
2007	2	1.348409E+07 1.305315E+11 9.472619E+12 3.188646E+11 1.300392E+13 1376969	4387256	2803938	677590.3	5245839	0	0	1268.284
2007	3	1.348278E+07 1.305371E+11 9.597139E+12 3.820385E+11 1.305441E+13 1376705	4385671	2803545	675235.6	5244045	0	0	1268.276
2007	4	1.359195E+07 1.311964E+11 9.73481E+12 4.513354E+11 1.310911E+13 1376451	4384152	2803169	672979.3	5242326	0	0	1268.98
2007	5	1.366798E+07 1.316485E+11 9.934146E+12 5.789047E+11 1.319659E+13 1376191	4382593	2802783	670661.9	5240560	0	0	1269.471
2007	6	1.372571E+07 1.319817E+11 1.013588E+13 6.803953E+11 1.32709E+13 1375941	4381091	2802411	668431.1	5238859	0	0	1269.843
2007	7	1.378144E+07 1.346076E+11 9.459395E+12 2.758503E+09 1.327807E+13 1375684	4379547	2802029	666137.9	5237112	0	0	1270.203
2007	8	1.37601E+07 1.344304E+11 9.465244E+12 6.4918E+09 1.328622E+13 1375426	4378001	2801646	663840.1	5235361	0	0	1270.065
2007	9	1.379459E+07 1.346335E+11 9.473337E+12 1.131479E+10 1.329532E+13 1375177	4376508	2801277	661623.6	5233672	0	0	1270.288
2007	10	1.377462E+07 1.344875E+11 9.484295E+12 1.760131E+10 1.330602E+13 1374920	4374964	2800894	659328.9	5231923	0	0	1270.159
2007	11	1.383584E+07 1.348675E+11 9.499796E+12 2.695156E+10 1.331965E+13 1374672	4373478	2800526	657120.7	5230240	0	0	1270.554
2008	0	1.389721E+07 1.35246E+11 9.518626E+12 3.715631E+10 1.333427E+13 1374418	4371951	2800148	654851.9	5228512	0	0	1270.95
2008	1	1.391554E+07 1.353719E+11 9.59111E+12 1.022653E+11 1.337996E+13 1374163	4370425	2799770	652585.1	5226784	0	0	1271.068
2008	2	1.394824E+07 1.35583E+11 9.655773E+12 1.353304E+11 1.340878E+13 1373926	4369002	2799418	650471.1	5225173	0	0	1271.279
2008	3	1.394395E+07 1.355659E+11 9.734979E+12 1.759795E+11 1.344457E+13 1373673	4367480	2799041	648210.3	5223450	0	0	1271.251
2008	4	1.405024E+07 1.36203E+11 9.827654E+12 2.229212E+11 1.348461E+13 1373430	4366022	2798680	646044.3	5221799	0	0	1271.937
2008	5	1.412383E+07 1.366364E+11 9.934425E+12 2.770669E+11 1.352919E+13 1373180	4364526	2798309	643821.7	5220105	0	0	1272.412
2008	6	1.41792E+07 1.369515E+11 1.005579E+13 3.384769E+11 1.357903E+13 1372940	4363086	2797953	641682.1	5218474	0	0	1272.769
2008	7	1.423263E+07 1.389209E+11 9.771247E+12 5.657281E+10 1.361434E+13 1372693	4361605	2797586	639480.6	5216796	0	0	1273.114
2008	8	1.4209E+07 1.387261E+11 9.814494E+12 7.910457E+10 1.363158E+13 1372446	4360121	2797218	637276	5215117	0	0	1272.961
2008	9	1.424126E+07 1.389122E+11 9.868534E+12 1.071038E+11 1.365212E+13 1372207	4358688	2796864	635147.2	5213494	0	0	1273.169
2008	10	1.421899E+07 1.387486E+11 9.933725E+12 1.406071E+11 1.367642E+13 1371960	4357204	2796496	632942.8	5211815	0	0	1273.026
2008	11	1.427799E+07 1.391115E+11 1.001176E+13 1.812915E+11 1.370586E+13 1371722	4355777	2796143	630821.6	5210198	0	0	1273.406
2009	0	1.433707E+07 1.394725E+11 1.010147E+13 2.270367E+11 1.373853E+13 1371477	4354310	2795780	628642.2	5208537	0	0	1273.787
2009	1	1.43531E+07 1.395808E+11 1.020377E+13 2.79079E+11 1.377556E+13 1371233	4352845	2795417	626466.3	5206879	0	0	1273.891
2009	2	1.43826E+07 1.397687E+11 1.031875E+13 3.373665E+11 1.381657E+13 1371013	4351526	2795090	624506.5	5205385	0	0	1274.081
2009	3	1.437551E+07 1.397301E+11 1.04482E+13 4.032565E+11 1.386431E+13 1370770	4350065	2794728	622335.3	5203731	0	0	1274.036
2009	4	1.44791E+07 1.403464E+11 1.059113E+13 4.754565E+11 1.391629E+13 1370536	4348665	2794382	620255.4	5202146	0	0	1274.704
2009	5	1.455039E+07 1.407622E+11 1.080044E+13 6.107116E+11 1.400287E+13 1370297	4347227	2794026	618119.2	5200518	0	0	1275.164

2009	6	1.460354E+07	1.410602E+11	1.101129E+13	7.169687E+11	1.40752E+13	1370066	4345843	2793683	616062.8	5198951	0	0	1275.507
2009	7	1.465482E+07	1.436473E+11	1.029741E+13	2.54282E+09	1.408011E+13	1369829	4344420	2793331	613948.8	5197340	0	0	1275.838
2009	8	1.462904E+07	1.434361E+11	1.030229E+13	5.985793E+09	1.408591E+13	1369591	4342994	2792978	612761.2	5195724	0	0	1275.671
2009	9	1.465923E+07	1.436062E+11	1.030811E+13	1.043414E+10	1.409264E+13	1369362	4341617	2792637	612761.2	5194166	0	0	1275.866
2009	10	1.463481E+07	1.434261E+11	1.031595E+13	1.623398E+10	1.41008E+13	1369124	4340192	2792284	612761.2	5192552	0	0	1275.708
2009	11	1.469173E+07	1.437731E+11	1.032719E+13	2.485998E+10	1.411171E+13	1368896	4338820	2791944	612761.2	5190998	0	0	1276.076
2010	0	1.474866E+07	1.441176E+11	1.034101E+13	3.427485E+10	1.412348E+13	1368661	4337410	2791595	612761.2	5189402	0	0	1276.443
2010	1	1.476254E+07	1.442094E+11	1.035821E+13	4.566702E+10	1.413723E+13	1368426	4336003	2791246	612761.2	5187809	0	0	1276.532
2010	2	1.47901E+07	1.443825E+11	1.037899E+13	5.898634E+10	1.415268E+13	1368215	4334735	2790932	612761.2	5186373	0	0	1276.71
2010	3	1.478039E+07	1.443237E+11	1.040449E+13	7.553781E+10	1.417211E+13	1367981	4333330	2790584	612761.2	5184782	0	0	1276.648
2010	4	1.488145E+07	1.449206E+11	1.048801E+13	1.520934E+11	1.422411E+13	1367756	4331983	2790251	612761.2	5183257	0	0	1277.3
2010	5	1.495059E+07	1.4532E+11	1.056324E+13	1.938501E+11	1.425862E+13	1367526	4330602	2789909	612761.2	5181692	0	0	1277.746
2010	6	1.500166E+07	1.456021E+11	1.065287E+13	2.430348E+11	1.429834E+13	1367304	4329271	2789579	612761.2	5180186	0	0	1278.075

Cumulative Flows and Concentrations Per Time Interval for Layer 1 : Pit Bottom

YEAR	Month	Vol (m ³ /Lyr)	pH	Alk(mg/L)	Acid(mg/L)	SO4(mg/L)	1:S rem.(kg)	1:NP rem.(kg)	2:S rem.(kg)	2: NP rem.(kg)	3:S rem.(kg)	3:NP rem.(kg)	Pump #2	Water Elevation (m)
1992	7	173290	6.681243	80.1778	0	677.6042	1447864	4812634	2909268	1309578	5727479	0	0	1123.868
1992	8	269514	7.938757	191.6752	0	758.3505	1447161	4808419	2908224	1303315	5722707	0	0	1126.016
1992	9	417774	8.202059	230.0486	0	709.4924	1446485	4804361	2907219	1297285	5718112	0	0	1129.325
1992	10	515362	8.519247	286.6113	0	806.17	1445788	4800181	2906184	1291075	5713378	0	0	1131.504
1992	11	690352	8.633482	310.2258	0	773.2797	1445118	4796161	2905188	1285101	5708826	0	0	1135.41
1993	0	869284	8.748399	335.9448	0	781.1637	1444430	4792031	2904166	1278967	5704151	0	0	1139.404
1993	1	1005176	8.950921	386.5694	0	819.9153	1443746	4787927	2903150	1272870	5699505	0	0	1141.978
1993	2	1142936	9.116162	433.4756	0	869.1302	1443133	4784245	2902238	1267399	5695335	0	0	1144.474
1993	3	1282014	9.291731	489.5656	0	938.7258	1442458	4780194	2901235	1261381	5690749	0	0	1146.993
1993	4	1527054	9.356945	512.2012	0	937.3198	1441812	4776321	2900276	1255626	5686363	0	0	1151.432
1993	5	1718200	9.479058	557.4379	0	973.4127	1441151	4772355	2899294	1249735	5681873	0	0	1154.895
1993	6	1887340	9.620617	614.9017	0	1017.066	1440517	4768550	2898352	1244081	5677565	0	0	1157.959
1993	7	2030849	9.529519	577.2782	0	979.5639	1439866	4764649	2897386	1238286	5673148	0	0	1160.447
1993	8	2097291	9.50875	569.0284	0	985.9686	1439220	4760769	2896425	1232521	5668755	0	0	1161.41
1993	9	2216730	9.466972	552.7881	0	972.308	1438600	4757050	2895504	1226996	5664544	0	0	1163.141
1993	10	2284537	9.477843	556.9686	0	980.0978	1437963	4753228	2894558	1221318	5660216	0	0	1164.124
1993	11	2430706	9.44796	545.5519	0	967.2806	1437354	4749573	2893653	1215888	5656078	0	0	1166.242
1994	0	2579857	9.438086	541.8311	0	960.2706	1436732	4745844	2892730	1210347	5651855	0	0	1168.404
1994	1	2685967	9.470281	554.0573	0	975.7436	1436116	4742147	2891814	1204854	5647669	0	0	1169.942
1994	2	2796827	9.514621	571.3481	0	993.4412	1435565	4738839	2890995	1199940	5643924	0	0	1171.548
1994	3	2899587	9.58088	598.1979	0	1025.593	1434959	4735209	2890096	1194546	5639813	0	0	1173.037
1994	4	3109479	9.608736	609.8589	0	1025.549	1434384	4731759	2889242	1189420	5635908	0	0	1176.079
1994	5	3270844	9.671164	636.8252	0	1045.95	1433799	4728244	2888372	1184198	5631928	0	0	1178.418
1994	6	3411163	9.752708	673.8532	0	1078.431	1433239	4724883	2887540	1179205	5628123	0	0	1180.371
1994	7	3537088	9.706229	652.4917	0	1057.451	1432665	4721442	2886688	1174093	5624227	0	0	1181.87
1994	8	3585947	9.699152	649.2991	0	1057.465	1432094	4718014	2885839	1169000	5620346	0	0	1182.452
1994	9	3688370	9.672702	637.5044	0	1047.899	1431546	4714721	2885023	1164109	5616618	0	0	1183.671
1994	10	3738593	9.675835	638.8906	0	1051.682	1430981	4711332	2884184	1159074	5612782	0	0	1184.269
1994	11	3867745	9.652077	628.4562	0	1040.877	1430439	4708084	2883380	1154249	5609104	0	0	1185.807

1995	0	3999312	9.638494	622.5681	0	1033.298	1429886	4704762	2882557	1149312	5605342	0	0	1187.373
1995	1	4087839	9.651625	628.2597	0	1036.23	1429336	4701462	2881740	1144410	5601606	0	0	1188.427
1995	2	4182817	9.667073	635.0223	0	1043.608	1428843	4698504	2881007	1140014	5598256	0	0	1189.557
1995	3	4264133	9.699505	649.4579	0	1057.027	1428300	4695249	2880201	1135179	5594571	0	0	1190.525
1995	4	4453274	9.701423	650.3218	0	1050.701	1427783	4692147	2879433	1130569	5591058	0	0	1192.777
1995	5	4597055	9.727524	662.1929	0	1058.265	1427255	4688977	2878648	1125860	5587469	0	0	1194.489
1995	6	4720358	9.769307	681.6501	0	1074.481	1426749	4685940	2877896	1121349	5584031	0	0	1195.957
1995	7	4834055	9.73832	667.1667	0	1060.816	1426231	4682831	2877126	1116729	5580511	0	0	1197.31
1995	8	4870686	9.736066	666.1252	0	1062.185	1425714	4679731	2876358	1112124	5577001	0	0	1197.746
1995	9	4961275	9.719815	658.6644	0	1052.504	1425218	4676754	2875622	1107701	5573630	0	0	1198.825
1995	10	4999270	9.720529	658.9903	0	1059.126	1424706	4673686	2874862	1103144	5570158	0	0	1199.277
1995	11	5116589	9.705084	651.9738	0	1047.951	1424216	4670745	2874134	1098775	5566828	0	0	1200.563
1996	0	5235928	9.692752	646.4252	0	1041.713	1423714	4667732	2873387	1094297	5563416	0	0	1201.75
1996	1	5312227	9.700214	649.7774	0	1043.119	1423214	4664734	2872645	1089845	5560023	0	0	1202.51
1996	2	5399158	9.707944	653.2675	0	1047.355	1422750	4661948	2871955	1085704	5556868	0	0	1203.375
1996	3	5465562	9.730269	663.4543	0	1056.766	1422256	4658983	2871221	1081300	5553511	0	0	1204.035
1996	4	5640272	9.728315	662.5565	0	1050.626	1421784	4656151	2870519	1077091	5550303	0	0	1205.774
1996	5	5771825	9.745042	670.2822	0	1055.019	1421301	4653251	2869801	1072783	5547021	0	0	1207.083
1996	6	5883294	9.775286	684.4805	0	1062.812	1420837	4650469	2869112	1068649	5543870	0	0	1208.192
1996	7	5987392	9.752141	673.588	0	1053.014	1420361	4647615	2868405	1064410	5540640	0	0	1209.228
1996	8	6014423	9.752319	673.6713	0	1055.055	1419887	4644767	2867700	1060180	5537416	0	0	1209.497
1996	9	6095723	9.741007	668.4102	0	1048.11	1419430	4642029	2867022	1056111	5534315	0	0	1210.306
1996	10	6124118	9.744013	669.8042	0	1051.177	1418960	4639205	2866323	1051916	5531118	0	0	1210.588
1996	11	6232148	9.729421	663.0644	0	1045.021	1418508	4636495	2865652	1047889	5528049	0	0	1211.663
1997	0	6341887	9.721013	659.2119	0	1037.344	1418045	4633717	2864964	1043763	5524905	0	0	1212.755
1997	1	6408586	9.72466	660.8801	0	1041.136	1417585	4630954	2864280	1039658	5521776	0	0	1213.419
1997	2	6483850	9.732718	664.5818	0	1042.1	1417171	4628473	2863666	1035972	5518967	0	0	1214.168
1997	3	6538547	9.749435	672.3259	0	1049.317	1416715	4625738	2862989	1031908	5515870	0	0	1214.712
1997	4	6701927	9.745245	670.3765	0	1043.5	1416280	4623124	2862342	1028026	5512912	0	0	1216.338
1997	5	6823881	9.756271	675.5194	0	1046.135	1415834	4620450	2861680	1024053	5509883	0	0	1217.551
1997	6	6926060	9.778786	686.1429	0	1051.346	1415406	4617883	2861044	1020239	5506977	0	0	1218.568
1997	7	7022017	9.760385	677.4476	0	1043.896	1414968	4615251	2860393	1016329	5503997	0	0	1219.523
1997	8	7040908	9.762039	678.2247	0	1046.309	1414530	4612623	2859742	1012424	5501021	0	0	1219.711
1997	9	7114330	9.753795	674.3608	0	1041.055	1414108	4610094	2859115	1008666	5498157	0	0	1220.365
1997	10	7134585	9.757813	676.2414	0	1044.306	1413673	4607484	2858469	1004789	5495202	0	0	1220.532
1997	11	7234736	9.746575	670.9949	0	1039.726	1413255	4604974	2857848	1001061	5492361	0	0	1221.356
1998	0	7336335	9.7408	668.3142	0	1033.722	1412826	4602400	2857210	997235.8	5489446	0	0	1222.192
1998	1	7394894	9.745907	670.684	0	1034.796	1412399	4599836	2856576	993426.4	5486543	0	0	1222.674
1998	2	7462805	9.750815	672.9696	0	1038.02	1412014	4597531	2856005	990001.1	5483933	0	0	1223.233
1998	3	7507574	9.766623	680.3828	0	1044.749	1411590	4594987	2855375	986220.8	5481051	0	0	1223.601
1998	4	7661348	9.764667	679.4614	0	1037.441	1411184	4592551	2854772	982602.3	5478293	0	0	1224.867
1998	5	7775161	9.772544	683.1813	0	1039.242	1410768	4590054	2854154	978892.3	5475466	0	0	1225.804
1998	6	7869462	9.790289	691.6351	0	1043.005	1410368	4587653	2853559	975326.4	5472749	0	0	1226.58
1998	7	7959133	9.774942	684.3176	0	1037.05	1409957	4585189	2852949	971664.4	5469958	0	0	1227.318
1998	8	7971738	9.777452	685.5084	0	1039.633	1409547	4582726	2852339	968005.8	5467170	0	0	1227.422
1998	9	8039076	9.771173	682.5322	0	1035.457	1409151	4580355	2851752	964482.7	5464485	0	0	1227.976

1998	10	8053045	9.775754	684.7023	0	1038.764	1408743	4577908	2851146	960845.9	5461713	0	0	1228.091
1998	11	8147113	9.767252	680.6796	0	1032.54	1408351	4575555	2850564	957350.8	5459049	0	0	1228.865
1999	0	8242426	9.759822	677.1837	0	1029.409	1407949	4573141	2849965	953763.4	5456316	0	0	1229.65
1999	1	8294699	9.764867	679.5554	0	1030.573	1407548	4570736	2849370	950189.9	5453593	0	0	1230.08
1999	2	8356932	9.770155	682.051	0	1031.063	1407187	4568574	2848835	946977.5	5451144	0	0	1230.592
1999	3	8394035	9.782318	687.8246	0	1036.456	1406790	4566186	2848244	943430.8	5448441	0	0	1230.897
1999	4	8540390	9.777532	685.5464	0	1031.776	1406409	4563901	2847678	940035.1	5445853	0	0	1232.102
1999	5	8647917	9.7847	688.9614	0	1030.736	1406018	4561559	2847098	936555.1	5443201	0	0	1232.987
1999	6	8736135	9.797277	694.9929	0	1035.628	1405643	4559306	2846540	933209.1	5440651	0	0	1233.713
1999	7	8820209	9.784646	688.9351	0	1028.213	1405257	4556994	2845967	929773.9	5438033	0	0	1234.405
1999	8	8827217	9.78503	689.119	0	1030.016	1404872	4554684	2845395	926340.6	5435417	0	0	1234.463
1999	9	8889139	9.776856	685.2261	0	1025.561	1404501	4552458	2844844	923034.1	5432897	0	0	1234.972
1999	10	8897511	9.777417	685.4925	0	1030.156	1404118	4550158	2844275	919618.4	5430294	0	0	1235.041
1999	11	8986163	9.768823	681.4214	0	1024.317	1403750	4547949	2843727	916335.8	5427793	0	0	1235.771
2000	0	9075879	9.761687	678.0594	0	1018.868	1403372	4545682	2843166	912967.9	5425226	0	0	1236.509
2000	1	9122555	9.762807	678.5861	0	1018.849	1402996	4543424	2842607	909612.4	5422669	0	0	1236.893
2000	2	9181775	9.762778	678.5721	0	1020.345	1402645	4541321	2842086	906487.1	5420287	0	0	1237.381
2000	3	9212054	9.772346	683.087	0	1024.712	1402271	4539077	2841531	903154.3	5417747	0	0	1237.63
2000	4	9351804	9.767003	680.5624	0	1017.654	1401913	4536931	2840999	899965.3	5415316	0	0	1238.78
2000	5	9453734	9.769033	681.5204	0	1017.802	1401547	4534730	2840454	896696	5412825	0	0	1239.619
2000	6	9536536	9.779318	686.3962	0	1019.224	1401194	4532614	2839930	893552.7	5410430	0	0	1240.271
2000	7	9615466	9.768374	681.2092	0	1012.838	1400832	4530440	2839392	890323.7	5407969	0	0	1240.855
2000	8	9617330	9.769341	681.6662	0	1014.764	1400470	4528267	2838854	887095.1	5405508	0	0	1240.869
2000	9	9674273	9.7619	678.1597	0	1013.411	1400120	4526172	2838335	883982.7	5403136	0	0	1241.291
2000	10	9677501	9.766211	680.1888	0	1016.396	1399760	4524007	2837799	880767.3	5400686	0	0	1241.315
2000	11	9761174	9.75961	677.0841	0	1011.555	1399413	4521926	2837284	877675.1	5398329	0	0	1241.935
2001	0	9845746	9.754344	674.6172	0	1007.06	1399057	4519789	2836755	874500.3	5395910	0	0	1242.561
2001	1	9887277	9.756671	675.7061	0	1007.494	1398702	4517659	2836228	871335.4	5393498	0	0	1242.869
2001	2	9939808	9.75809	676.3714	0	1009.511	1398382	4515742	2835753	868487.2	5391328	0	0	1243.258
2001	3	9963813	9.768492	681.2652	0	1014.022	1398029	4513623	2835229	865339.5	5388929	0	0	1243.436
2001	4	1.009749E+07	9.765079	679.655	0	1008.052	1397691	4511594	2834726	862324.6	5386631	0	0	1244.426
2001	5	1.019428E+07	9.768336	681.1919	0	1008.709	1397344	4509512	2834210	859231.2	5384273	0	0	1245.143
2001	6	1.02721E+07	9.779427	686.4478	0	1010.45	1397010	4507509	2833714	856255.8	5382005	0	0	1245.719
2001	7	1.034676E+07	9.769739	681.8544	0	1004.788	1396668	4505452	2833205	853199.2	5379675	0	0	1246.272
2001	8	1.034434E+07	9.7711	682.4979	0	1006.777	1396324	4503395	2832695	850142	5377345	0	0	1246.254
2001	9	1.039715E+07	9.765076	679.654	0	1003.507	1395994	4501411	2832205	847195.8	5375100	0	0	1246.646
2001	10	1.03961E+07	9.766938	680.5317	0	1005.68	1395652	4499362	2831697	844151.1	5372779	0	0	1246.638
2001	11	1.047564E+07	9.757538	676.112	0	1002.754	1395324	4497391	2831209	841221.8	5370547	0	0	1247.227
2002	0	1.055594E+07	9.752045	673.5435	0	998.4634	1394987	4495367	2830708	838214.4	5368255	0	0	1247.822
2002	1	1.059319E+07	9.753652	674.2937	0	998.7238	1394650	4493348	2830208	835215.9	5365970	0	0	1248.098
2002	2	1.064186E+07	9.754859	674.858	0	998.229	1394348	4491533	2829759	832518.3	5363915	0	0	1248.458
2002	3	1.066065E+07	9.761581	678.0101	0	1001.538	1394013	4489525	2829262	829536.1	5361642	0	0	1248.597
2002	4	1.078929E+07	9.75436	674.6249	0	997.2662	1393692	4487602	2828786	826678.8	5359465	0	0	1249.55
2002	5	1.08818E+07	9.756506	675.6291	0	995.261	1393364	4485630	2828297	823748.6	5357231	0	0	1250.236
2002	6	1.095548E+07	9.76308	678.7142	0	995.6826	1393048	4483733	2827827	820930.1	5355083	0	0	1250.781
2002	7	1.102617E+07	9.753918	674.4182	0	992.881	1392723	4481784	2827345	818033.4	5352875	0	0	1251.305

2002	8	1.101978E+07	9.758329	676.4835	0	995.6993	1392398	4479833	2826861	815135.1	5350667	0	0	1251.258
2002	9	1.106875E+07	9.756374	675.5674	0	993.7933	1392084	4477953	2826396	812341.9	5348538	0	0	1251.62
2002	10	1.106373E+07	9.762411	678.3997	0	997.118	1391760	4476009	2825915	809454.1	5346337	0	0	1251.583
2002	11	1.113942E+07	9.75888	676.7415	0	993.684	1391449	4474141	2825452	806677.3	5344221	0	0	1252.144
2003	0	1.121575E+07	9.756509	675.6301	0	990.5407	1391129	4472222	2824977	803826.4	5342049	0	0	1252.709
2003	1	1.124903E+07	9.760779	677.6332	0	991.6292	1390810	4470308	2824503	800983.6	5339882	0	0	1252.956
2003	2	1.129411E+07	9.764094	679.1917	0	994.2049	1390523	4468586	2824076	798424.3	5337932	0	0	1253.29
2003	3	1.130806E+07	9.775902	684.7727	0	998.9401	1390206	4466681	2823604	795594.2	5335775	0	0	1253.393
2003	4	1.143201E+07	9.7755	684.5823	0	994.5458	1389902	4464857	2823153	792884.4	5333709	0	0	1254.311
2003	5	1.152055E+07	9.78127	687.3253	0	993.7837	1389590	4462987	2822690	790105.8	5331592	0	0	1254.967
2003	6	1.159039E+07	9.790623	691.7953	0	997.4673	1389290	4461187	2822244	787431.6	5329554	0	0	1255.484
2003	7	1.165738E+07	9.782789	688.0494	0	992.8449	1388982	4459338	2821786	784684.6	5327460	0	0	1255.981
2003	8	1.164731E+07	9.784727	688.9741	0	994.9141	1388673	4457487	2821328	781935.1	5325365	0	0	1255.906
2003	9	1.16927E+07	9.780046	686.742	0	992.3425	1388376	4455703	2820886	779284.8	5323345	0	0	1256.242
2003	10	1.168399E+07	9.78236	687.8444	0	994.5498	1388069	4453858	2820429	776544.3	5321256	0	0	1256.178
2003	11	1.175612E+07	9.775027	684.3579	0	990.1922	1387773	4452085	2819990	773908.9	5319247	0	0	1256.712
2004	0	1.182875E+07	9.767724	680.9025	0	988.135	1387469	4450262	2819539	771201.8	5317183	0	0	1257.25
2004	1	1.185835E+07	9.769375	681.6818	0	988.4887	1387166	4448445	2819089	768501.7	5315126	0	0	1257.469
2004	2	1.190159E+07	9.770432	682.1817	0	988.0422	1386884	4446752	2818669	765985.6	5313209	0	0	1257.79
2004	3	1.191103E+07	9.776831	685.2135	0	991.1451	1386583	4444943	2818221	763298.4	5311161	0	0	1257.859
2004	4	1.203063E+07	9.771145	682.5187	0	985.4907	1386294	4443211	2817793	760725.8	5309200	0	0	1258.745
2004	5	1.211548E+07	9.770308	682.1229	0	985.2357	1385998	4441434	2817352	758086.4	5307188	0	0	1259.374
2004	6	1.218175E+07	9.776106	684.8694	0	985.5439	1385714	4439726	2816929	755547.8	5305254	0	0	1259.865
2004	7	1.22453E+07	9.76898	681.4954	0	981.3416	1385421	4437969	2816494	752938.5	5303265	0	0	1260.292
2004	8	1.22318E+07	9.771146	682.519	0	983.4298	1385128	4436211	2816059	750326.4	5301274	0	0	1260.205
2004	9	1.227386E+07	9.766986	680.5541	0	981.14	1384845	4434515	2815639	747807.1	5299355	0	0	1260.477
2004	10	1.226172E+07	9.769488	681.7356	0	983.3503	1384553	4432761	2815205	745201.3	5297369	0	0	1260.398
2004	11	1.233051E+07	9.762774	678.5701	0	979.3567	1384272	4431073	2814787	742693.6	5295457	0	0	1260.842
2005	0	1.239971E+07	9.756039	675.4102	0	977.6149	1383982	4429338	2814357	740115.2	5293492	0	0	1261.288
2005	1	1.242587E+07	9.758015	676.3362	0	978.0837	1383694	4427606	2813929	737542.4	5291532	0	0	1261.457
2005	2	1.246452E+07	9.759567	677.064	0	977.8647	1383434	4426047	2813543	735225.9	5289766	0	0	1261.707
2005	3	1.246977E+07	9.766171	680.1697	0	980.9542	1383146	4424321	2813115	732662.3	5287813	0	0	1261.74
2005	4	1.258531E+07	9.76122	677.84	0	975.7529	1382871	4422667	2812706	730205.1	5285941	0	0	1262.486
2005	5	1.266672E+07	9.760819	677.6517	0	975.7059	1382587	4420969	2812285	727681.4	5284017	0	0	1263.011
2005	6	1.272967E+07	9.766939	680.5319	0	976.1283	1382315	4419334	2811881	725252	5282166	0	0	1263.417
2005	7	1.279044E+07	9.760372	677.442	0	972.2532	1382035	4417653	2811464	722754.4	5280262	0	0	1263.809
2005	8	1.277414E+07	9.762693	678.5323	0	974.3403	1381754	4415970	2811047	720253.4	5278356	0	0	1263.704
2005	9	1.281351E+07	9.758939	676.7692	0	972.2661	1381484	4414346	2810645	717841.2	5276517	0	0	1263.958
2005	10	1.279858E+07	9.761565	678.0021	0	974.4626	1381204	4412666	2810229	715345.4	5274614	0	0	1263.862
2005	11	1.286467E+07	9.755339	675.0828	0	970.7545	1380934	4411050	2809829	712943.6	5272784	0	0	1264.288
2006	0	1.293109E+07	9.749566	672.3868	0	967.1497	1380658	4409389	2809418	710475.7	5270903	0	0	1264.717
2006	1	1.295446E+07	9.749002	672.1238	0	966.9632	1380381	4407731	2809007	708012.9	5269026	0	0	1264.867
2006	2	1.299059E+07	9.746902	671.1462	0	968.0646	1380132	4406238	2808637	705793.6	5267335	0	0	1265.101
2006	3	1.299244E+07	9.752465	673.7393	0	970.8039	1379857	4404584	2808228	703336.9	5265462	0	0	1265.113
2006	4	1.310469E+07	9.746959	671.1733	0	965.6644	1379593	4403000	2807836	700982.5	5263668	0	0	1265.837
2006	5	1.318331E+07	9.74629	670.8621	0	963.3856	1379322	4401373	2807433	698566.3	5261827	0	0	1266.344

2006	6	1.324356E+07	9.748802	672.0312	0	962.8699	1379061	4399808	2807045	696240.3	5260054	0	0	1266.733
2006	7	1.330173E+07	9.742205	668.9651	0	961.3794	1378792	4398198	2806647	693847.3	5258230	0	0	1267.108
2006	8	1.328283E+07	9.747463	671.4078	0	964.1921	1378524	4396586	2806248	691452.2	5256404	0	0	1266.986
2006	9	1.331969E+07	9.747478	671.4152	0	963.2056	1378264	4395029	2805862	689140	5254642	0	0	1267.224
2006	10	1.330215E+07	9.754252	674.5746	0	966.447	1377996	4393419	2805464	686747.1	5252818	0	0	1267.111
2006	11	1.336573E+07	9.753096	674.0338	0	964.2006	1377737	4391869	2805080	684444.4	5251063	0	0	1267.521
2007	0	1.342954E+07	9.752954	673.9679	0	962.2012	1377472	4390277	2804686	682078.5	5249260	0	0	1267.932
2007	1	1.345031E+07	9.758394	676.5138	0	963.6214	1377207	4388687	2804292	679716.9	5247460	0	0	1268.067
2007	2	1.348409E+07	9.763381	678.8558	0	964.3895	1376969	4387256	2803938	677590.3	5245839	0	0	1268.284
2007	3	1.348278E+07	9.773158	683.472	0	968.2283	1376705	4385671	2803545	675235.6	5244045	0	0	1268.276
2007	4	1.359195E+07	9.772188	683.0125	0	964.4755	1376451	4384152	2803169	672979.3	5242326	0	0	1268.98
2007	5	1.366798E+07	9.775251	684.4642	0	965.5113	1376191	4382593	2802783	670661.9	5240560	0	0	1269.471
2007	6	1.372571E+07	9.784549	688.8888	0	966.8644	1375941	4381091	2802411	668431.1	5238859	0	0	1269.843
2007	7	1.378144E+07	9.778878	686.1865	0	963.4752	1375684	4379547	2802029	666137.9	5237112	0	0	1270.203
2007	8	1.37601E+07	9.781436	687.4043	0	965.5616	1375426	4378001	2801646	663840.1	5235361	0	0	1270.065
2007	9	1.379459E+07	9.778322	685.9227	0	963.8068	1375177	4376508	2801277	661623.6	5233672	0	0	1270.288
2007	10	1.377462E+07	9.781126	687.2565	0	965.9814	1374920	4374964	2800894	659328.9	5231923	0	0	1270.159
2007	11	1.383584E+07	9.775664	684.66	0	962.6918	1374672	4373478	2800526	657120.7	5230240	0	0	1270.554
2008	0	1.389721E+07	9.770592	682.2573	0	959.4927	1374418	4371951	2800148	654851.9	5228512	0	0	1270.95
2008	1	1.391554E+07	9.769813	681.8886	0	961.5121	1374163	4370425	2799770	652585.1	5226784	0	0	1271.068
2008	2	1.394824E+07	9.771222	682.5553	0	961.324	1373926	4369002	2799418	650471.1	5225173	0	0	1271.279
2008	3	1.394395E+07	9.777497	685.5304	0	964.1866	1373673	4367480	2799041	648210.3	5223450	0	0	1271.251
2008	4	1.405024E+07	9.773427	683.599	0	959.742	1373430	4366022	2798680	646044.3	5221799	0	0	1271.937
2008	5	1.412383E+07	9.773773	683.7635	0	957.8984	1373180	4364526	2798309	643821.7	5220105	0	0	1272.412
2008	6	1.41792E+07	9.777058	685.3217	0	957.6727	1372940	4363086	2797953	641682.1	5218474	0	0	1272.769
2008	7	1.423263E+07	9.77124	682.5636	0	956.5585	1372693	4361605	2797586	639480.6	5216796	0	0	1273.114
2008	8	1.4209E+07	9.776711	685.1568	0	959.3627	1372446	4360121	2797218	637276	5215117	0	0	1272.961
2008	9	1.424126E+07	9.777292	685.4328	0	958.631	1372207	4358688	2796864	635147.2	5213494	0	0	1273.169
2008	10	1.421899E+07	9.784226	688.7349	0	961.8417	1371960	4357204	2796496	632942.8	5211815	0	0	1273.026
2008	11	1.427799E+07	9.783745	688.5049	0	959.9292	1371722	4355777	2796143	630821.6	5210198	0	0	1273.406
2009	0	1.433707E+07	9.784225	688.7344	0	958.2527	1371477	4354310	2795780	628642.2	5208537	0	0	1273.787
2009	1	1.43531E+07	9.789939	691.467	0	959.7621	1371233	4352845	2795417	626466.3	5206879	0	0	1273.891
2009	2	1.43826E+07	9.795194	693.99	0	960.645	1371013	4351526	2795090	624506.5	5205385	0	0	1274.081
2009	3	1.437551E+07	9.805063	698.7538	0	964.4395	1370770	4350065	2794728	622335.3	5203731	0	0	1274.036
2009	4	1.44791E+07	9.804828	698.6393	0	961.1294	1370536	4348665	2794382	620255.4	5202146	0	0	1274.704
2009	5	1.455039E+07	9.808266	700.3062	0	962.3707	1370297	4347227	2794026	618119.2	5200518	0	0	1275.164
2009	6	1.460354E+07	9.81774	704.9199	0	963.8217	1370066	4345843	2793683	616062.8	5198951	0	0	1275.507
2009	7	1.465482E+07	9.812757	702.4901	0	960.7833	1369829	4344420	2793331	613948.8	5197340	0	0	1275.838
2009	8	1.462904E+07	9.815501	703.8265	0	962.873	1369591	4342994	2792978	612761.2	5195724	0	0	1275.671
2009	9	1.465923E+07	9.812717	702.4705	0	961.3492	1369362	4341617	2792637	612761.2	5194166	0	0	1275.866
2009	10	1.463481E+07	9.815409	703.7818	0	963.5107	1369124	4340192	2792284	612761.2	5192552	0	0	1275.708
2009	11	1.469173E+07	9.810175	701.2334	0	960.5203	1368896	4338820	2791944	612761.2	5190998	0	0	1276.076
2010	0	1.474866E+07	9.805212	698.8257	0	957.6111	1368661	4337410	2791595	612761.2	5189402	0	0	1276.443
2010	1	1.476254E+07	9.804667	698.5616	0	957.6419	1368426	4336003	2791246	612761.2	5187809	0	0	1276.532
2010	2	1.47901E+07	9.80302	697.7643	0	956.9019	1368215	4334735	2790932	612761.2	5186373	0	0	1276.71
2010	3	1.478039E+07	9.805217	698.8277	0	958.8449	1367981	4333330	2790584	612761.2	5184782	0	0	1276.648

2010	4	1.488145E+07	9.796358	694.5504	0	955.8283	1367756	4331983	2790251	612761.2	5183257	0	0	1277.3
2010	5	1.495059E+07	9.794335	693.5773	0	953.7161	1367526	4330602	2789909	612761.2	5181692	0	0	1277.746
2010	6	1.500166E+07	9.795033	693.9125	0	953.1171	1367304	4329271	2789579	612761.2	5180186	0	0	1278.075

APPENDIX D.

**MINEWALL Report Containing Input and Output Data
for Bell Mine Pit (2 simulations)**

pH-Neutral Pumpage Into Pit

*** MINEWALL 2.0 REPORT ***

BELL MINE PIT

Printed on 04-09-1995 at 14:10:21

** INPUT DATA **

OPERATION:

Simulations were performed on a Monthly Basis:

Starting Month/Year is 1/ 1985

Ending Month/Year is 4/ 1992

CLOSURE:

Simulations were performed on a Monthly Basis:

Starting Month/Year is 5/ 1992

Ending Month/Year is 1/ 2052

Geochemical Parameters in this simulation were:

pH Alk (mg/L) Acid (mg/L) SO4 (mg/L) Cu (mg/L)

Geochemical/Rock Units and their physicochemical characteristics were:

Unit Name	BFP	BBFP	QFP	TUPF	SEDS
Unit #	1	2	3	4	5
Rate - Control	1: TIME*[F]	1: TIME*[F]	1: TIME*[F]	1: TIME*[F]	1: TIME*[F]
- max 'd', m	.01	.01	.01	.01	.01
Years Exposed	6	6	17	10	12
Wall Area, m*2	141000	84500	56300	169000	113000
- %Area Sloping	50	50	50	50	50
- Slope Angle	40	40	40	40	40
Ratio Total/Wall	28	28	28	28	28
- %Flushed Reg	18	18	18	18	18
- %Flushed Per	2	2	2	2	2
- %Not Flushed	80	80	80	80	80
Reactive %S	2	2	2	2	2
React ppt CaCO3	40	40	40	40	40
Spec. Grav.	2.8	2.8	2.8	2.8	2.8
React Cu (ppm)	1900	1900	174	700	737

For each Geochemical Unit, the FACTOR in the rate-control equation was:

Unit	1	2	3	4	5
Factor	-.1	-.1	-.1	-.1	-.1

Periodic, non-regular fracture flushing over an annual period was:

Time	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	1	1	1	1	1
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	1	1	1	1	1
12	0	0	0	0	0

The following rates are decreased to 0 % when the Units are submerged

For each Geochemical Unit, the following rate information was used:

UNIT # 1

Inputted Data:

Month	Flow (m ³ /d)	SO4 mg/m ² /d	Acid mg/m ² /d	NP mg/m ² /d	pH	Cu mg/m ² /d
1	0	21.7	21.7	69.4	7.1	.00213
2	0	21.7	21.7	69.4	7.1	.00213
3	0	21.7	21.7	69.4	7.1	.00213
4	0	21.7	21.7	69.4	7.1	.00213
5	0	21.7	21.7	69.4	7.1	.00213
6	0	21.7	21.7	69.4	7.1	.00213
7	0	21.7	21.7	69.4	7.1	.00213
8	0	21.7	21.7	69.4	7.1	.00213
9	0	21.7	21.7	69.4	7.1	.00213
10	0	21.7	21.7	69.4	7.1	.00213
11	0	21.7	21.7	69.4	7.1	.00213
12	0	21.7	21.7	69.4	7.1	.00213

Adjusted Fresh Rates (at time of initial exposure):

* FLO/CONC/RATE Unit # 0

Month	Flow (m ³ /d)	SO4 mg/m ² /d	Acid mg/m ² /d	NP mg/m ² /d	pH	Cu mg/m ² /d
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03

UNIT # 2

Inputted Data:

Month	Flow (m ³ /d)	SO4 mg/m ² /d	Acid mg/m ² /d	NP mg/m ² /d	pH	Cu mg/m ² /d
1	0	47.7	47.7	115	7.3	.00349
2	0	47.7	47.7	115	7.3	.00349
3	0	47.7	47.7	115	7.3	.00349
4	0	47.7	47.7	115	7.3	.00349
5	0	47.7	47.7	115	7.3	.00349
6	0	47.7	47.7	115	7.3	.00349
7	0	47.7	47.7	115	7.3	.00349
8	0	47.7	47.7	115	7.3	.00349
9	0	47.7	47.7	115	7.3	.00349
10	0	47.7	47.7	115	7.3	.00349
11	0	47.7	47.7	115	7.3	.00349
12	0	47.7	47.7	115	7.3	.00349

Adjusted Fresh Rates (at time of initial exposure):

* FLO/CONC/RATE Unit # 0	Month	Flow (m ³ /d)	SO4 mg/m ² /d	Acid mg/m ² /d	NP mg/m ² /d	pH	Cu mg/m ² /d
	8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
	8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
	8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
	8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
	8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
	8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
	8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
	8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
	8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
	8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
	8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
	8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03

UNIT # 3

Inputted Data:

Month	Flow (m ³ /d)	SO4 mg/m ² /d	Acid mg/m ² /d	NP mg/m ² /d	pH	Cu mg/m ² /d
1	0	28.6	28.6	57.9	7.2	.00604
2	0	28.6	28.6	57.9	7.2	.00604
3	0	28.6	28.6	57.9	7.2	.00604
4	0	28.6	28.6	57.9	7.2	.00604
5	0	28.6	28.6	57.9	7.2	.00604
6	0	28.6	28.6	57.9	7.2	.00604
7	0	28.6	28.6	57.9	7.2	.00604
8	0	28.6	28.6	57.9	7.2	.00604
9	0	28.6	28.6	57.9	7.2	.00604
10	0	28.6	28.6	57.9	7.2	.00604
11	0	28.6	28.6	57.9	7.2	.00604
12	0	28.6	28.6	57.9	7.2	.00604

Adjusted Fresh Rates (at time of initial exposure):

* FLO/CONC/RATE Unit # 0	Month	Flow (m ³ /d)	SO4 mg/m ² /d	Acid mg/m ² /d	NP mg/m ² /d	pH	Cu mg/m ² /d
	8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
	8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
	8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
	8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
	8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
	8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
	8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
	8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
	8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
	8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
	8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
	8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02

UNIT # 4

Inputted Data:

Month	Flow (m ³ /d)	SO4 mg/m ² /d	Acid mg/m ² /d	NP mg/m ² /d	pH	Cu mg/m ² /d
1	0	286	286	253	6.4	.044
2	0	286	286	253	6.4	.044
3	0	286	286	253	6.4	.044
4	0	286	286	253	6.4	.044
5	0	286	286	253	6.4	.044
6	0	286	286	253	6.4	.044
7	0	286	286	253	6.4	.044
8	0	286	286	253	6.4	.044
9	0	286	286	253	6.4	.044
10	0	286	286	253	6.4	.044
11	0	286	286	253	6.4	.044
12	0	286	286	253	6.4	.044

Adjusted Fresh Rates (at time of initial exposure):

* FLO/CONC/RATE Unit # 0	Month	Flow (m ³ /d)	SO4 mg/m ² /d	Acid mg/m ² /d	NP mg/m ² /d	pH	Cu mg/m ² /d
	8	0	649.5242	649.5242	574.5791	14.53481	.0999268
	8	0	649.5242	649.5242	574.5791	14.53481	.0999268
	8	0	649.5242	649.5242	574.5791	14.53481	.0999268
	8	0	649.5242	649.5242	574.5791	14.53481	.0999268
	8	0	649.5242	649.5242	574.5791	14.53481	.0999268
	8	0	649.5242	649.5242	574.5791	14.53481	.0999268
	8	0	649.5242	649.5242	574.5791	14.53481	.0999268
	8	0	649.5242	649.5242	574.5791	14.53481	.0999268
	8	0	649.5242	649.5242	574.5791	14.53481	.0999268
	8	0	649.5242	649.5242	574.5791	14.53481	.0999268
	8	0	649.5242	649.5242	574.5791	14.53481	.0999268
	8	0	649.5242	649.5242	574.5791	14.53481	.0999268

UNIT # 5

Inputted Data:

Month	Flow (m ³ /d)	SO4 mg/m ² /d	Acid mg/m ² /d	NP mg/m ² /d	pH	Cu mg/m ² /d
1	0	27.9	27.9	45.2	7	.126
2	0	27.9	27.9	45.2	7	.126
3	0	27.9	27.9	45.2	7	.126
4	0	27.9	27.9	45.2	7	.126
5	0	27.9	27.9	45.2	7	.126
6	0	27.9	27.9	45.2	7	.126

7	0	27.9	27.9	45.2	7	.126
8	0	27.9	27.9	45.2	7	.126
9	0	27.9	27.9	45.2	7	.126
10	0	27.9	27.9	45.2	7	.126
11	0	27.9	27.9	45.2	7	.126
12	0	27.9	27.9	45.2	7	.126
Adjusted Fresh Rates (at time of initial exposure):						
* FLO/CONC/RATE Unit # 0						
Month	Flow (m ³ /d)	SO ₄ mg/m ² /d	Acid mg/m ² /d	NP mg/m ² /d	pH	Cu mg/m ² /d
8	0	64.52851	64.52851	104.5408	16.18995	.2914191
8	0	64.52851	64.52851	104.5408	16.18995	.2914191
8	0	64.52851	64.52851	104.5408	16.18995	.2914191
8	0	64.52851	64.52851	104.5408	16.18995	.2914191
8	0	64.52851	64.52851	104.5408	16.18995	.2914191
8	0	64.52851	64.52851	104.5408	16.18995	.2914191
8	0	64.52851	64.52851	104.5408	16.18995	.2914191
8	0	64.52851	64.52851	104.5408	16.18995	.2914191
8	0	64.52851	64.52851	104.5408	16.18995	.2914191
8	0	64.52851	64.52851	104.5408	16.18995	.2914191
8	0	64.52851	64.52851	104.5408	16.18995	.2914191
8	0	64.52851	64.52851	104.5408	16.18995	.2914191
8	0	64.52851	64.52851	104.5408	16.18995	.2914191
8	0	64.52851	64.52851	104.5408	16.18995	.2914191

Rate Acceleration Factor for each Unit when NP was depleted was:

Unit # 1	2.36
Unit # 2	2.36
Unit # 3	2.36
Unit # 4	2.36
Unit # 5	2.36

Mine dimensions and distribution of Geochemical Units in the mine were:

* PIT DIM'S							
Important Pts. (Cum.%) Unit# 5 (Cum.%)	Elev. (masl)	Cum.Vol. (m ³)	Area (m ²)	Unit# 1 (Cum.%)	Unit# 2 (Cum.%)	Unit# 3 (Cum.%)	Unit# 4
Drain Level	790	5.17E+07	1000000	100	100	100	100
100							
753	5.17E+07	563000	98	100	90	90	80
Equil. Level	750	5E+07	533000	98	100	90	90
80							
700	3.07E+07	275000	90	100	50	65	60
650	1.7E+07	205000	80	95	30	20	25
600	7700000	145000	60	50	10	10	15
550	2300000	66000	40	2	0	0	10
500	700000	20700	30	0	0	0	7
Bottom of Mine	475	0	12800	20	0	0	0
3							

Characteristics of the Layers during Operation (Mine Bottom) and During Closure (others), if selected, were:

LAYER NUMBER:	0	1
LAYER NAME:	Mine Bottom	Flooding Pit
FLOWS:...		
-Precip (%)	100	100
-Evap (%)	100	100
-Runoff (%)	100	100
-Sat Flow (%)	100	100
-Pump#1 (%)	100	100
-Pump#2 (%)	100	100

CHEM:...

- Mass Balance
- Set Value
- Equilibrium
- Kinetic
- Empirical

The geochemical controls for each Parameter in each layer were:

LAYER NUMBER:	0	1
pH	L= 1Ac+ 1	L= 1Ac+ 1
Alk (mg/L)	L= .698pH+ -3.14	L= .698pH+ -3.14
Acid (mg/L)	L= -.36pH+ 3.86	L= -.36pH+ 3.86
SO ₄ (mg/L)	Mass balance	Mass balance
Cu (mg/L)	L= -1.00pH+ 6.30	L= -1.00pH+ 6.30

The information used for each of the flows was:

* PIT PRECIP

* OPERATION

Time	Precip (m/d)	pH	Alk (mg/L)	Acid (mg/L)	SO ₄ (mg/L)	Cu (mg/L)
1	.0000774	5	0	0	0	0
2	.0000607	5	0	0	0	0
3	.0001322	5	0	0	0	0
4	.00043	5	0	0	0	0
5	.001293	5	0	0	0	0
6	.00164	5	0	0	0	0
7	.00153	5	0	0	0	0
8	.00121	5	0	0	0	0
9	.00126	5	0	0	0	0
10	.00114	5	0	0	0	0
11	.000377	5	0	0	0	0
12	.0000548	5	0	0	0	0

* CLOSURE

Time	Precip (m/d)	pH	Alk (mg/L)	Acid (mg/L)	SO ₄ (mg/L)	Cu (mg/L)
5	.00125	5	0	0	0	0

6	.00164	5	0	0	0	0
7	.00153	5	0	0	0	0
8	.00121	5	0	0	0	0
9	.00126	5	0	0	0	0
10	.00114	5	0	0	0	0
11	.000377	5	0	0	0	0
12	.0000548	5	0	0	0	0
1	.0000774	5	0	0	0	0
2	.0000607	5	0	0	0	0
3	.000132	5	0	0	0	0
4	.00043	5	0	0	0	0

* PIT SATUR GW

* OPERATION

Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
1	1009	7	200	10	100	.005
2	1009	7	200	10	100	.005
3	1009	7	200	10	100	.005
4	1009	7	200	10	100	.005
5	1009	7	200	10	100	.005
6	1009	7	200	10	100	.005
7	1009	7	200	10	100	.005
8	1009	7	200	10	100	.005
9	1009	7	200	10	100	.005
10	1009	7	200	10	100	.005
11	1009	7	200	10	100	.005
12	1009	7	200	10	100	.005

* CLOSURE

Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
5	1009	7	200	10	100	.005
6	1009	7	200	10	100	.005
7	1009	7	200	10	100	.005
8	1009	7	200	10	100	.005
9	1009	7	200	10	100	.005
10	1009	7	200	10	100	.005
11	1009	7	200	10	100	.005
12	1009	7	200	10	100	.005
1	1009	7	200	10	100	.005
2	1009	7	200	10	100	.005
3	1009	7	200	10	100	.005
4	1009	7	200	10	100	.005

* PIT RUNOFF

* OPERATION

Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	1710	0	0	0	0	0
4	5290	0	0	0	0	0
5	0	0	0	0	0	0
6	0	0	0	0	0	0
7	0	0	0	0	0	0
8	0	0	0	0	0	0
9	0	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0

* CLOSURE

Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
5	0	0	0	0	0	0
6	0	0	0	0	0	0
7	0	0	0	0	0	0
8	0	0	0	0	0	0
9	0	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	1710	0	0	0	0	0
4	5290	0	0	0	0	0

* PIT EVAP

* OPERATION

Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	0	0	0	0	0	0
4	0	0	0	0	0	0
5	-416	0	0	0	0	0
6	-547	0	0	0	0	0
7	-510	0	0	0	0	0
8	-403	0	0	0	0	0
9	-420	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0

* CLOSURE

Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
5	-416	0	0	0	0	0
6	-547	0	0	0	0	0
7	-510	0	0	0	0	0
8	-403	0	0	0	0	0
9	-420	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	0	0	0	0	0	0

Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO ₄ (mg/L)	Cu (mg/L)
4	0	0	0	0	0	0
* PIT PUMP #1						
* OPERATION						
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	0	0	0	0	0	0
4	0	0	0	0	0	0
5	0	0	0	0	0	0
6	0	0	0	0	0	0
7	0	0	0	0	0	0
8	0	0	0	0	0	0
9	0	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0
* CLOSURE						
5	3400	7	56	22	2000	.2
6	3400	7	56	22	2000	.2
7	3400	7	56	22	2000	.2
8	3400	7	56	22	2000	.2
9	3400	7	56	22	2000	.2
10	3400	7	56	22	2000	.2
11	3400	7	56	22	2000	.2
12	3400	7	56	22	2000	.2
1	3400	7	56	22	2000	.2
2	3400	7	56	22	2000	.2
3	3400	7	56	22	2000	.2
4	3400	7	56	22	2000	.2
* PIT PUMP #2						
* OPERATION						
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	0	0	0	0	0	0
4	0	0	0	0	0	0
5	0	0	0	0	0	0
6	0	0	0	0	0	0
7	0	0	0	0	0	0
8	0	0	0	0	0	0
9	0	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0
* CLOSURE						
5	0	0	0	0	0	0
6	0	0	0	0	0	0
7	0	0	0	0	0	0
8	0	0	0	0	0	0
9	0	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	0	0	0	0	0	0
4	0	0	0	0	0	0

During Operation, Pump #2 was adjusted to obtain no net accumulation of water

**** SIMULATION RESULTS ****

* OPERATION *		Non-cumulative Total Loadings and Flows Per Time Interval:																		
YEAR	Month	Flow (m ³ /m)	pH(mg/interval)	Alk(mg/m)	Acid(mg/m)	SO ₄ (mg/m)	Cu (mg/m)	1:S rem.(kg)	1:NP rem.(kg)	2:S rem.(kg)	2:NP rem.(kg)	3:S rem.(kg)	3:NP rem.(kg)	4:S rem.(kg)	4:NP rem.(kg)	5:S rem.(kg)	5:NP rem.(kg)	Pump #2 (m ³ /d)	Water Elevation (m)	
1985	1	161193.8	1.118759E+09	6.549623E+10	2.630557E+10	4.038113E+10	6748415	2467390	4318822	1420453	2281818	897638.9	1306606	930051.2	470434.8	1876318	3277518	-161193.8	475	
1985	2	144659.2	1.005816E+09	5.914282E+10	2.375023E+10	3.64636E+10	6093347	2466460	4309902	1419229	2272959	897149.2	1303632	913356.2	431436.2	1875360	3272859	-144659.2	475	
1985	3	376631.4	1.135747E+09	6.546054E+10	2.628272E+10	4.035829E+10	6743704	2465432	4300032	1417874	2263158	896607.1	1300340	899093.8	388277.9	1874299	3267703	-376631.4	475	
1985	4	811950	1.18845E+09	7.803752E+10	3.605822E+10	4.967972E+10	9088607	2464437	4290488	1416563	2253680	896082.7	1297155	883362.3	346528.6	1873272	3262714	-811950	475	
1985	5	197873	1.495595E+09	6.542412E+10	2.625938E+10	4.033495E+10	6738877	2463410	4280632	1415210	2243893	895541	1293864	867113.4	303406.2	1872212	3257561	-197873	475	
1985	6	200520	1.55145E+09	6.329677E+10	2.540145E+10	3.902297E+10	6519250	2462416	4271101	1413902	2234428	895016.8	1290681	851395	261691.7	1871186	3252576	-200520	475	
1985	7	203825	1.569065E+09	6.538813E+10	2.623629E+10	4.031185E+10	6734099	2461390	4261259	1412550	2224654	894475.3	1287392	835159.6	218605.1	1870127	3247427	-203825	475	
1985	8	193936	1.469865E+09	6.536974E+10	2.622446E+10	4.030001E+10	6731630	2460365	4251424	1411200	2214887	893934	1284104	818931.1	175536.8	1869068	3242279	-193936	475	
1985	9	189150	1.43745E+09	6.324466E+10	2.536785E+10	3.898937E+10	6512289	2459374	4241912	1409894	2205441	893410.1	1280923	803232.3	133874.3	1868043	3237299	-189150	475	
1985	10	227075	1.448165E+09	6.533442E+10	2.620175E+10	4.02773E+10	6726944	2458350	4232090	1408545	2195687	892869.1	1277637	787017.2	90841.19	1866985	3232155	-227075	475	
1985	11	173970	1.17255E+09	6.539596E+10	4.426167E+10	5.788316E+10	1.107138E+07	2457360	4222590	1407241	2186253	892345.5	1274457	771331.2	49212.6	1865961	3227179	-173970	475	
1986	0	159792.6	1.111753E+09	6.529959E+10	2.617931E+10	4.025485E+10	6722271	2456338	4212781	1405894	2176512	891804.7	1271172	755129.2	6214.369	1864903	3222038	-159792.6	475	
1986	1	161193.8	1.118759E+09	6.521156E+10	2.604322E+10	4.011871E+10	6693837	2455323	4203048	1404558	2166847	891265.5	1267898	739007.3	-185856	1863850	3216919	-161193.8	475	
1986	2	144659.2	1.005816E+09	4.486988E+10	2.351435E+10	3.622775E+10	6044254	2454408	4194262	1403352	2158123	890778.6	1264940	724450.6	-185856	1862899	3212296	-144659.2	475	
1986	3	376631.4	1.135747E+09	6.546695E+10	2.602303E+10	4.009854E+10	6689594	2453395	4184541	1402017	2148469	890239.6	1261667	708340.7	-185856	1861846	3207180	-376631.4	475	
1986	4	811950	1.18845E+09	5.974644E+10	3.843118E+10	5.205269E+10	9673179	2452414	4175139	1400726	2139132	889718.2	1258500	692756.1	-185856	1860828	3202231	-811950	475	
1986	5	197873	1.495595E+09	4.964694E+10	2.600234E+10	4.007789E+10	6685253	2451403	4165430	1399393	2129490	889179.5	1255228	676658.4	-185856	1859776	3197119	-197873	475	
1986	6	200520	1.55145E+09	4.803616E+10	2.515395E+10	3.877548E+10	6467579	2450424	4156039	1398103	2120165	888658.2	1252062	661085.7	-185856	1858758	3192173	-200520	475	
1986	7	203825	1.569065E+09	4.962719E+10	2.59819E+10	4.005745E+10	6680947	2449413	4146341	1396772	2110534	888119.8	1248792	645000.1	-185856	1857707	3187064	-203825	475	
1986	8	193936	1.469865E+09	4.961707E+10	2.597144E+10	4.004698E+10	6678741	2448403	4136649	1395441	2100909	887581.4	1245522	628920.8	-185856	1856656	3181956	-193936	475	
1986	9	189150	1.43745E+09	4.800743E+10	2.512419E+10	3.874567E+10	6461295	2447425	4127274	1394154	2091599	887060.5	1242359	613365.8	-185856	1855640	3177014	-189150	475	
1986	10	227075	1.448165E+09	4.959768E+10	2.595126E+10	4.002682E+10	6674479	2446416	4117593	1392825	2081985	886522.4	1239091	597298.5	-185856	1854590	3171910	-227075	475	
1986	11	173970	1.17255E+09	6.205488E+10	4.382627E+10	5.744776E+10	1.098023E+07	2445441	4108229	1391539	2072686	886001.8	1235929	581755.1	-185856	1853574	3166972	-173970	475	
1987	0	159792.6	1.111753E+09	4.957852E+10	2.593131E+10	4.00086E+10	6670260	2444433	4098559	1390211	2063083	885464.1	1232662	565699.6	-185856	1852524	3161871	-159792.6	475	
1987	1	161193.8	1.118759E+09	4.946208E+10	2.580985E+10	3.988542E+10	6644490	2443432	4088955	1388893	2053546	884927.7	1229405	549716.8	-185856	1851479	3156789	-161193.8	475	
1987	2	144659.2	1.005816E+09	4.466903E+10	2.330447E+10	3.601786E+10	599848	2442528	4080285	1387702	2044936	884443.4	1226464	535285.4	-185856	1850535	3152201	-144659.2	475	
1987	3	376631.4	1.135747E+09	4.944594E+10	2.579175E+10	3.98673E+10	6640639	2441528	4070691	1386385	2035408	883907.3	1223208	519313.5	-185856	1849490	3147122	-376631.4	475	
1987	4	811950	1.18845E+09	5.769163E+10	3.808112E+10	5.170246E+10	9599107	2440561	4061411	1385111	2026193	883388.6	1220038	503862	-185856	1848479	3142209	-811950	475	
1987	5	197873	1.495595E+09	4.942853E+10	2.577326E+10	3.984879E+10	6636685	2439562	4051827	1383795	2016675	882852.7	1216803	487901.2	-185856	1847435	3137134	-197873	475	
1987	6	200520	1.55145E+09	4.782594E+10	2.493324E+10	3.855476E+10	6420757	2438595	4042556	1382522	2007469	882334.3	1213654	472460.5	-185856	1846424	3132223	-200520	475	
1987	7	203825	1.569065E+09	4.941126E+10	2.575487E+10	3.983043E+10	6632759	2437598	4032982	1381207	1997961	881798.7	1210401	456510.8	-185856	1845381	3127151	-203825	475	
1987	8	193936	1.469865E+09	4.940243E+10	2.574545E+10	3.982101E+10	6630752	2436600	4023413	1379894	1988458	881263.2	1207149	440566.8	-185856	1844338	3122080	-193936	475	
1987	9	189150	1.43745E+09	4.780084E+10	2.490648E+10	3.852796E+10	6413033	2435636	4014157	1378623	1979266	880745.1	1204003	425142.2	-185856	1843328	3117174	-189150	475	
1987	10	227075	1.448165E+09	4.938548E+10	2.572734E+10	3.98029E+10	6628877	2434639	4004597	1377310	1969773	880209.8	1200752	409209.2	-185856	1842285	3112106	-227075	475	
1987	11	173970	1.17255E+09	6.168597E+10	4.343719E+10	5.705866E+10	1.089752E+07	2433675	3995350	1376041	1960591	879691.9	1197606	393795.1	-185856	1841277	3107203	-173970	475	
1988	0	159792.6	1.111753E+09	4.936869E+10	2.570944E+10	3.978493E+10	6623028	2432680	3985801	1374729	1951107	879157	1194357	377872.9	-185856	1840235	3102138	-159792.6	475	
1988	1	161193.8	1.118759E+09	4.926706E+10	2.559976E+10	3.967529E+10	6599457	2431691	3976309	1373426	1941681	878623.4	1191117	362017.1	-185856	1839196	3097091	-161193.8	475	
1988	2	144659.2	1.005816E+09	4.468193E+10	2.39411E+10	3.710845E+10	6172146	2430766	3967433	1372208	1932866	878124.3	1188086	347188.6	-185856	1838225	3092371	-144659.2	475	
1988	3	376631.4	1.135747E+09	4.925198E+10	2.558338E+10	3.965891E+10	6595929	2429777	3957949	1370905	1923449	877590.9	1184846	331342.7	-185856	1837188	3087327	-376631.4	475	
1988	4	811950	1.18845E+09	5.746237E+10	3.785192E+10	5.147342E+10	9553234	2428821	3948776	1369646	1914339	877075	1181712	316012.8	-185856	1836184	3082448	-811950	475	
1988	5	197873	1.495595E+09	4.923655E+10	2.556658E+10	3.964211E+10	6592303	2427834	3939301	1368345	1904930	876541.8	1178474	300177.2	-185856	1835146	3077407	-197873	475	
1988	6	200520	1.55145E+09	4.76411E+10	2.473403E+10	3.835533E+10	6377959	2426878	3930136	1367087	1895828	876026	1175341	284857.1	-185856	1834143	3072529	-200520	475	
1988	7	203825	1.569065E+09	4.922129E+10	2.554992E+10	3.962549E+10	6588707	2425892	3920670	1365787	1886428	875493.1	1172105	269031.6	-185856	1833106	3067492	-203825	475	
1988	8	193936	1.469865E+09	4.921346E+10	2.554137E+10	3.961693E+10	6586857	2424906	3911209	1364488	1877032	874960.3	1168869	253211.3	-185856	1832070	3062455	-193936	475	
1988	9	189150	1.43745E+09	4.761885E+10	2.470975E+10	3.833126E+10	6372708	2423952	3902056	1363231	1867943	874444.8	1165738	237906.1	-185856	1831067	3057582	-189150	475	
1988	10	227075	1.448165E+09	4.91984E+10	2.552491E+10	3.960047E+10	6583298	2422967	3892603	1361934	1858556	873912.1	1162503	222095.9	-185856	1830032	3052548	-227075	475	
1988	11	173970	1.17255E+09	6.136079E+10	4.308546E+10	5.670697E+10	1.082182E+07	2422014	3883459	1360678	1849475	873396.9	1159373	206800.3	-185856	1829029	3047677	-173970	475	
1989																				

1989	5	197873	1.495595E+09	4.906503E+10	2.53779E+10	3.945343E+10	6551344	2416264	3828300	1353105	1794699	870279.2	1140438	114381.8	-185856	1822972	3018235	-197873	475
1989	6	200520	1.55145E+09	4.747586E+10	2.455211E+10	3.817358E+10	6384449	2415319	3819229	1351859	1785691	869765.9	1137320	99173.13	-185856	1821975	3013389	-200520	475
1989	7	203825	1.569065E+09	4.905134E+10	2.536267E+10	3.943822E+10	6548017	2414342	3809859	1350573	1776387	869235.5	1134099	83462.28	-185856	1820945	3008382	-203825	475
1989	8	193936	1.469865E+09	4.904431E+10	2.535483E+10	3.943039E+10	6546313	2413366	3800494	1349287	1767086	868705.3	1130879	67756.26	-185856	1819915	3003377	-193936	475
1989	9	189150	1.43745E+09	4.745589E+10	2.452988E+10	3.815136E+10	6333597	2412422	3791434	1348043	1758089	868192.2	1127763	52561.24	-185856	1818919	2998535	-189150	475
1989	10	227075	1.448165E+09	4.903077E+10	2.533975E+10	3.941533E+10	6543017	2411447	3782076	1346758	1748796	867662.1	1124544	36864.48	-185856	1817890	2993533	-227075	475
1989	11	173970	1.17255E+09	6.106951E+10	4.276378E+10	5.638529E+10	1.075186E+07	2410504	3773023	1345515	1739807	867149.2	1121429	21678.39	-185856	1816894	2988693	-173970	475
1990	0	159792.6	1.111753E+09	4.901738E+10	2.532479E+10	3.940035E+10	6539751	2409529	3763673	1344231	1730521	866619.4	1118211	5990.841	-185856	1815865	2983693	-159792.6	475
1990	1	161193.8	1.118759E+09	4.893556E+10	2.523307E+10	3.930863E+10	6519643	2408560	3754369	1342954	1721282	866090.9	1115001	.227072	-185856	1814839	2978709	-161193.8	475
1990	2	144659.2	1.005816E+09	4.419473E+10	2.278535E+10	2.025475E+10	5887431	2407684	3745968	1341801	1712939	865613.6	1112103	.227072	-185856	1813913	2974209	-144659.2	475
1990	3	376631.4	1.135747E+09	4.892336E+10	2.52193E+10	2.242248E+10	6516618	2406715	3736671	1340524	1703706	865085.3	1108894	.227072	-185856	1812888	2969227	-376631.4	475
1990	4	811950	1.18845E+09	5.690059E+10	3.721513E+10	2.913072E+10	9411547	2405777	3727677	1339289	1694775	864574.1	1105789	.227072	-185856	1811897	2964408	-811950	475
1990	5	197873	1.495595E+09	4.891086E+10	2.520517E+10	2.241779E+10	6513511	2404809	3718387	1338014	1685549	864045.9	1102582	.227072	-185856	1810872	2959428	-197873	475
1990	6	200520	1.55145E+09	4.732727E+10	2.438553E+10	2.169247E+10	6301950	2403872	3709400	1336780	1676624	863535	1099478	.227072	-185856	1809881	2954611	-200520	475
1990	7	203825	1.569065E+09	4.889845E+10	2.519117E+10	2.241315E+10	6510422	2402905	3700117	1335505	1667406	863007.1	1096272	.227072	-185856	1808857	2949634	-203825	475
1990	8	193936	1.469865E+09	4.889206E+10	2.518392E+10	2.241076E+10	6508839	2401938	3690837	1334231	1658190	862479.3	1093066	.227072	-185856	1807834	2944659	-193936	475
1990	9	189150	1.43745E+09	4.730915E+10	2.436503E+10	2.168568E+10	6297442	2401002	3681860	1332999	1649276	861968.6	1089964	.227072	-185856	1806843	2939845	-189150	475
1990	10	227075	1.448165E+09	4.88798E+10	2.43061E+10	2.240617E+10	6505780	2400036	3672587	1331726	1640068	861440.9	1086760	.227072	-185856	1805820	2934873	-227075	475
1990	11	173970	1.17255E+09	6.080718E+10	2.249585E+10	2.687505E+10	1.068719E+07	2399101	3663617	1330494	1631160	860930.4	1083659	.227072	-185856	1804830	2930061	-173970	475
1991	0	159792.6	1.111753E+09	4.886761E+10	2.52061E+10	2.240161E+10	6502735	2398135	3654352	1329222	1621958	860402.9	1080456	.227072	-185856	1803808	2925091	-159792.6	475
1991	1	161193.8	1.118759E+09	4.879314E+10	2.523737E+10	2.241076E+10	6484009	2397174	3645128	1327955	1612798	859876.8	1077260	.227072	-185856	1802788	2920135	-161193.8	475
1991	2	144659.2	1.005816E+09	4.406654E+10	2.279346E+10	2.026075E+10	5855335	2396306	3636799	1326812	1604528	859401.6	1074374	.227072	-185856	1801867	2915660	-144659.2	475
1991	3	376631.4	1.135747E+09	4.87823E+10	2.52398E+10	2.236933E+10	6481191	2395345	3627582	1325547	1595374	858875.5	1071180	.227072	-185856	1800848	2910707	-376631.4	475
1991	4	811950	1.18845E+09	5.688672E+10	3.725293E+10	2.929273E+10	9357982	2394416	3618665	1324322	1586519	858366.6	1068089	.227072	-185856	1799862	2905914	-811950	475
1991	5	197873	1.495595E+09	4.877058E+10	2.528699E+10	2.236525E+10	6478289	2393456	3609454	1323057	1577372	857840.8	1064895	.227072	-185856	1798843	2900963	-197873	475
1991	6	200520	1.55145E+09	4.719201E+10	2.430287E+10	2.164179E+10	6267960	2392527	3600542	1321834	1568523	857332.1	1061805	.227072	-185856	1797858	2896173	-200520	475
1991	7	203825	1.569065E+09	4.875923E+10	2.528544E+10	2.236099E+10	6475406	2391568	3591338	1320570	1559382	856806.5	1058613	.227072	-185856	1796840	2891224	-203825	475
1991	8	193936	1.469865E+09	4.87534E+10	2.528325E+10	2.235881E+10	6473928	2390608	3582137	1319307	1550244	856281.1	1055421	.227072	-185856	1795822	2886277	-193936	475
1991	9	189150	1.43745E+09	4.717545E+10	2.430140E+10	2.163558E+10	6263745	2389681	3573235	1318085	1541404	855772.6	1052333	.227072	-185856	1794837	2881490	-189150	475
1991	10	227075	1.448165E+09	4.874217E+10	2.52346E+10	2.241067E+10	6471067	2388722	3564040	1316822	1532273	855247.3	1049143	.227072	-185856	1793819	2876545	-227075	475
1991	11	173970	1.17255E+09	6.056813E+10	2.243697E+10	2.678547E+10	1.062691E+07	2387795	3555144	1315601	1523439	854738.9	1046056	.227072	-185856	1792835	2871760	-173970	475
1992	0	159792.6	1.111753E+09	4.873104E+10	2.527486E+10	2.235042E+10	6468227	2386837	3545955	1314339	1514314	854213.9	1042866	.227072	-185856	1791818	2866817	-159792.6	475
1992	1	161193.8	1.118759E+09	4.86627E+10	2.524924E+10	2.232479E+10	6450701	2385883	3536805	1313083	1505227	853689.9	1039684	.227072	-185856	1790804	2861888	-161193.8	475
1992	2	149825.6	1.041738E+09	4.551872E+10	2.271534E+10	2.08828E+10	6033376	2384991	3528247	1311908	1496729	853199.8	1036708	.227072	-185856	1789855	2857278	-149825.6	475
1992	3	376631.4	1.135747E+09	4.865247E+10	2.523094E+10	2.243395E+10	6448063	2384038	3519102	1310652	1487648	852676	1033527	.227072	-185856	1788841	2852351	-376631.4	475
1992	4	811950	1.18845E+09	5.655311E+10	3.72524E+10	2.928222E+10	9328223	2383116	3510255	1309438	1478862	852169.2	1030449	.227072	-185856	1787861	2847584	-811950	475

Non-cumulative Flows and Concentrations Per Time Interval for Mine Bottom Sump(s)

YEAR	Month	Flow (m^3/s)	pH	Alk(mg/L)	Acid(mg/L)	SO4(mg/L)	Cu (mg/L)	1:S rem.(kg)	1:NP rem.(kg)	2:S rem.(kg)	2:NP rem.(kg)	3:S rem.(kg)	3:NP rem.(kg)	4:S rem.(kg)	4:NP rem.(kg)	5:S rem.(kg)	5:NP (kg)	Pump #2 (m^3/d)	Water Elevation (m)
1985	1	161193.8	7.9181	243.1276	0	250.5129	.0240426	2467390	4318822	1420453	2281818	897638.9	1306606	930051.2	470434.8	1876318	3277518	-161193.8	475
1985	2	144659.2	7.922015	244.6619	0	252.0656	2.382666E-02	2466460	4309902	1419229	2272959	897149.2	1303632	913356.2	431436.2	1875360	3272859	-144659.2	475
1985	3	376631.4	7.389862	104.0217	0	107.1559	8.123588E-02	2465432	4300032	1417874	2263158	896607.1	1300340	899093.8	388277.9	1874299	3267703	-376631.4	475
1985	4	811950	6.954879	51.70183	0	61.18568	.2213939	2464437	4290488	1416563	2253680	896082.7	1297155	883362.3	346528.6	1873272	3262714	-811950	475
1985	5	197873	7.790127	197.9287	0	203.8426	3.229107E-02	2463410	4280632	1415210	2243893	895541	1293864	867113.4	303406.2	1872212	3257561	-197873	475
1985	6	200520	7.761358	188.9852	0	194.6089	3.490489E-02	2462416	4271101	1413902	2234428	895016.8	1290681	851395	261691.7	1871186	3252576	-200520	475
1985	7	203825	7.771482	192.0856	0	197.7768	.033709	2461390	4261259	1412550	2224654	894475.3	1287392	835159.6	218605.1	1870127	3247427	-203825	475
1985	8	193936	7.802322	201.8464	0	207.8006	3.139605E-02	2460365	4251424	1411200	2214887	893934	1284104	818931.1	175536.8	1869068	3242279	-193936	475
1985	9	189150	7.79737	200.2464	0	206.1294	3.175645E-02	2459374	4241912	1409894	2205441	893410.1	1280923	803232.3	133874.3	1868043	3237299	-189150	475
1985	10	227075	7.709969	172.3337	0	177.3745	3.938468E-02	2458350	4232090	1408545	2195687	892869.1	1277637	787017.2	90841.19	1866965	3232155	-227075	475
1985	11	173970	7.957997	259.2282	0	332.7192	2.193029E-02	2457340	4222590	1407241	2186253	892345.5	1274457	771331.2	49212.6	1865961	3227179	-173970	475
1986	0	159792.6	7.922415	244.8191	0	251.9194	2.380469E-02	2456338	4212781	1405894	2176512	891804.7	1271172	755129.2	621436.9	1864903	3222038	-159792.6	475
1986	1	161193.8	7.866515	223.7831	0	248.885	2.707813E-02	2455323	4203048	1404558	2166847	891263.5	1267898	739007.3	-185856	1863850	3216919	-161193.8	475
1986	2	144659.2	7.607685	147.6265	0	250.4352	4.917077E-02	2454408	4194262	1403352	2158123	890778.6	1264940	724450.6	-185856	1862899	3212296	-144659.2	475
1986	3	376631.4	6.075649	62.77734	0	106.4665	.1676003	2453395	4184541	1402017	2148469	890239.6	1261667	708340.7	-185856	1861846	3207180	-376631.4	475
1986	4	811950	6.553182	26.25193	0	64.10823	.5851733	2452341	4184541	1400726	2139132	889718.2	1258500	692756.1	-185856	1860828	3202231	-811950	475
1986	5	197873	7.47614	119.4938	0	202.5435	6.658618E-02	2451403	4165430	1399393	2129490	889179.5	1255228	676658.4	-185856	1859776	3197119	-197873	475
1986	6	200520	7.447479	114.0043	0	195.3746	.00711334	2450424	4156039	1398103	2120163	888658.2	1252062	661085.7	-185856	1858758	3192173	-200520	475
1986	7	203825	7.457718	116.0778	0	196.5287	.0694743	2449431	4146341	1396772	2110534	888119.8	1248792	645000.1	-185856	1857707	3187064	-203825	475

1986	8	193936	7.488671	121.9249	0	206.4958	6.469047E-02	2448403	4136649	1395441	2100909	887581.4	1245522	628920.8	-185856	1856656	3181956	-193936	475
1986	9	189150	7.483827	120.9793	0	204.841	6.541681E-02	2447425	4127274	1394154	2091599	887060.5	1242359	613365.8	-185856	1855640	3177014	-189150	475
1986	10	227075	7.390339	104.1348	0	176.2714	8.110929E-02	2446416	4117593	1392825	2081985	886522.4	1239091	597298.5	-185856	1854590	3171910	-227075	475
1986	11	173970	7.394382	104.7802	0	330.2165	8.039987E-02	2445441	4108229	1391539	2072686	886001.8	1235929	581755.1	-185856	1853574	3166972	-173970	475
1987	0	159792.6	7.609202	147.9869	0	250.3674	4.899911E-02	2444343	4098559	1390211	2063083	885464.1	1232662	565699.6	-185856	1852524	3161871	-159792.6	475
1987	1	161193.8	7.603926	146.7373	0	247.4377	4.959863E-02	2443432	4088955	1388893	2053546	884927.7	1229405	549716.8	-185856	1851479	3156789	-161193.8	475
1987	2	144659.2	7.607948	147.6889	0	248.9642	.049141	2442528	4080285	1387702	2044936	884443.4	1226464	535285.4	-185856	1850535	3152201	-144659.2	475
1987	3	376631.4	7.075919	62.80462	0	105.8523	.1674061	2441528	4070691	1386385	2035408	883907.3	1223208	519313.5	-185856	1849490	3147122	-376631.4	475
1987	4	811950	6.481317	24.15236	0	63.67712	.6594798	2440561	4061411	1385111	2026193	883388.6	1220058	503862	-185856	1848479	3142209	-811950	475
1987	5	197873	7.47642	119.5477	0	201.3857	6.654309E-02	2439562	4051827	1383795	2016675	882852.7	1216803	487901.2	-185856	1847435	3137134	-197873	475
1987	6	200520	7.447764	114.1666	0	192.2739	7.108666E-02	2438595	4042556	1382522	2007469	882334.3	1213654	472460.5	-185856	1846424	3132223	-200520	475
1987	7	203825	7.45801	116.0622	0	195.4148	6.942751E-02	2437598	4032982	1381207	1997961	881798.7	1210401	456510.8	-185856	1845381	3127151	-203825	475
1987	8	193936	7.48897	121.9834	0	205.3307	6.464591E-02	2436600	4023413	1379894	1988458	881263.2	1207149	440566.8	-185856	1844338	3122080	-193936	475
1987	9	189150	7.484129	121.0382	0	203.69	6.537124E-02	2435636	4014157	1378623	1979266	880745.1	1204003	425142.2	-185856	1843328	3117174	-189150	475
1987	10	227075	7.390847	104.1864	0	175.2853	8.105163E-02	2434639	4004597	1377310	1969773	880209.8	1200752	409209.2	-185856	1842285	3112106	-227075	475
1987	11	173970	7.395071	104.8962	0	327.9799	8.026639E-02	2433675	3995350	1376041	1960591	879691.9	1197606	393795.1	-185856	1841277	3107203	-173970	475
1988	0	159792.6	7.60952	148.0625	0	248.9786	4.986321E-02	2432680	3985801	1374729	1951107	879157	1194357	37782.9	-185856	1840235	3102138	-159792.6	475
1988	1	161193.8	7.604298	146.8251	0	246.1341	4.955613E-02	2431691	3976309	1373426	1941681	878623.4	1191117	362017.1	-185856	1839196	3097091	-161193.8	475
1988	2	149825.4	7.608324	147.778	0	247.6776	4.908477E-02	2430766	3967433	1372208	1932866	878124.3	1188086	347188.6	-185856	1838225	3092371	-149825.4	475
1988	3	376631.4	7.076298	62.84286	0	105.299	.16735	2429777	3957949	1370905	1923449	877590.9	1184846	331342.7	-185856	1837188	3087327	-376631.4	475
1988	4	811950	6.481316	24.15229	0	63.39482	.659482	2428821	3948776	1369646	1914339	877075	1181712	316012.8	-185856	1836184	3082448	-811950	475
1988	5	197873	7.476807	119.6221	0	200.3412	6.648388E-02	2427834	3939301	1368345	1904930	876541.8	1178474	300177.2	-185856	1835146	3077407	-197873	475
1988	6	200520	7.448154	114.2383	0	191.2803	.0710227	2426878	3930136	1367087	1895828	876026	1175341	284857.1	-185856	1834143	3072529	-200520	475
1988	7	203825	7.458404	116.1357	0	194.4093	6.936451E-02	2425892	3920670	1365787	1886428	875493.1	1172105	269031.6	-185856	1833106	3067492	-203825	475
1988	8	193936	7.489367	122.0614	0	204.2784	6.458675E-02	2424906	3911209	1364488	1877032	874960.3	1168869	253211.3	-185856	1832070	3062455	-193936	475
1988	9	189150	7.484529	121.116	0	202.6501	6.531092E-02	2423952	3902056	1363231	1867943	874444.8	1165738	237906.1	-185856	1831067	3057582	-189150	475
1988	10	227075	7.391251	104.2541	0	174.3938	8.097631E-02	2422967	3892603	1361934	1858556	873912.1	1162503	222095.9	-185856	1830032	3052548	-227075	475
1988	11	173970	7.395976	105.0488	0	325.9583	8.009921E-02	2422014	3883459	1360678	1849475	873396.9	1159373	206800.3	-185856	1829029	3046777	-173970	475
1989	0	159792.6	7.60993	148.1601	0	247.7221	.048917	2421029	3874015	1359381	1840096	872864.6	1156140	191000.1	-185856	1827994	3042646	-159792.6	475
1989	1	161193.8	7.604741	146.9297	0	244.9456	4.950556E-02	2420050	3864622	1358092	1830769	872333.6	1152915	175261.3	-185856	1826963	3037632	-161193.8	475
1989	2	144659.2	7.608769	147.8839	0	246.4857	4.904809E-02	2419167	3856141	1356927	1822347	871854.2	1150003	161049.4	-185856	1826031	3033104	-144659.2	475
1989	3	376631.4	7.076545	62.88803	0	104.7942	.1671776	2418188	3846756	1355638	1813027	871323.4	1146779	145319.8	-185856	1825000	3028093	-376631.4	475
1989	4	811950	6.482812	24.21044	0	62.93456	.6572114	2417242	3837677	1354392	1804012	870809.8	1143660	130102	-185856	1824002	3023244	-811950	475
1989	5	197873	7.477258	119.7088	0	199.3876	.0664148	2416264	3828300	1353105	1794699	870729.2	1140438	114381.8	-185856	1822972	3018235	-197873	475
1989	6	200520	7.448607	114.3215	0	190.3729	7.094867E-02	2415319	3819229	1351859	1785691	869765.9	1137320	99173.13	-185856	1821975	3013389	-200520	475
1989	7	203825	7.458858	116.2206	0	193.4906	.0692919	2414342	3809859	1350573	1776387	869235.5	1134099	83462.28	-185856	1820945	3008382	-203825	475
1989	8	193936	7.489824	122.151	0	203.3165	6.451878E-02	2413366	3800494	1349287	1767086	868705.3	1130879	67756.26	-185856	1819915	3003377	-193936	475
1989	9	189150	7.484989	121.2055	0	201.6989	6.524183E-02	2412422	3791434	1348043	1758089	868192.2	1127763	52561.24	-185856	1818919	2998535	-189150	475
1989	10	227075	7.391711	104.3312	0	173.5785	8.089038E-02	2411447	3782076	1346758	1748796	867662.1	1124544	36864.48	-185856	1817890	2993533	-227075	475
1989	11	173970	7.397009	105.2235	0	324.1093	7.990859E-02	2410504	3773023	1345515	1739807	867149.2	1121429	21678.39	-185856	1816894	2988693	-173970	475
1990	0	159792.6	7.610395	148.2709	0	246.5718	4.886456E-02	2409529	3763673	1344231	1730521	866619.4	1118211	5990.841	-185856	1815865	2983693	-159792.6	475
1990	1	161193.8	7.605223	147.0435	0	243.8594	4.945058E-02	2408560	3754369	1342954	1721282	866090.9	1115001	.227072	-185856	1814839	2978709	-161193.8	475
1990	2	144659.2	7.609252	147.9987	0	140.017	4.899351E-02	2407684	3745968	1341801	1712939	865613.6	1112103	.227072	-185856	1813913	2974209	-144659.2	475
1990	3	376631.4	7.077229	62.93703	0	59.53428	.166991	2406715	3736671	1340524	1703706	865085.3	1108894	.227072	-185856	1812888	2969227	-376631.4	475
1990	4	811950	6.483691	24.24467	0	35.87748	.6558816	2405777	3727677	1339289	1694775	864574.1	1105789	.227072	-185856	1811897	2964408	-811950	475
1990	5	197873	7.477745	119.8025	0	113.2938	.0663403	2404809	3718387	1338014	1685549	864045.9	1102582	.227072	-185856	1810872	2959428	-197873	475
1990	6	200520	7.449095	114.4112	0	108.1811	7.068868E-02	2403872	3709400	1336780	1676624	863535	1099478	.227072	-185856	1809681	2954611	-200520	475
1990	7	203825	7.459347	116.3119	0	109.9627	6.921396E-02	2402905	3700117	1335505	1667406	863007.1	1096272	.227072	-185856	1808657	2949634	-203825	475
1990	8	193936	7.490314	122.2472	0	115.5575	.064446	2401938	3690837	1334231	1658190	862479.3	1093066	.227072	-185856	1807634	2944659	-193936	475
1990	9	189150	7.48548	121.3012	0	114.648	6.516794E-02	2401002	3681860	1332999	1649276	861968.6	1089964	.227072	-185856	1806643	2939845	-189150	475
1990	10	227075	7.726093	178.5718	0	98.67298	3.742664E-02	2400036	3672587	1331726	1640068	861440.9	1086760	.227072	-185856	1805820	2934873	-227075	475
1990	11	173970	7.856523	220.218	0	154.481	2.770899E-02	2399101	3663617	1330494	1631160	860930.4	1083659	.227072	-185856	1804830	2930061	-173970	475
1991	0	159792.6	7.944619	253.7136	0	140.1918	2.261708E-02	2398135	3654352	1329222	1621958	860402.9	1080456	.227072	-185856	1803808	2925091	-159792.6	475
1991	1	161193.8	7.938471	251.2193	0														

1991	6	200520	7.78197	195.3507	0	107.9283	3.290393E-02	2392527	3600542	1321834	1568523	857332.1	1061805	.227072	-.185856	1797858	2896173	-200520	475
1991	7	203825	7.792144	198.5713	0	109.7068	3.214133E-02	2391568	3591338	1320570	1559382	856806.5	1058613	.227072	-.185856	1796840	2891224	-203825	475
1991	8	193936	7.823032	208.6778	0	115.2896	2.993263E-02	2390608	3582137	1319307	1550244	856281.1	1055421	.227072	-.185856	1795822	2886277	-193936	475
1991	9	189150	7.818125	207.0387	0	114.3832	3.027307E-02	2389681	3573235	1318085	1541404	855772.6	1052333	.227072	-.185856	1794837	2881490	-189150	475
1991	10	227075	7.724771	178.1928	0	98.44587	3.754088E-02	2388722	3564040	1316822	1532273	855247.3	1049143	.227072	-.185856	1793819	2876545	-227075	475
1991	11	173970	7.989028	272.4847	0	153.966	2.041635E-02	2387795	3555144	1315601	1523439	854738.9	1046056	.227072	-.185856	1792835	2871760	-173970	475
1992	0	159792.6	7.943306	253.1792	0	139.8714	2.268359E-02	2386837	3545955	1314339	1514314	854213.9	1042866	.227072	-.185856	1791818	2866817	-159792.6	475
1992	1	161193.8	7.937217	250.7135	0	138.4966	2.306622E-02	2385883	3536805	1313083	1505227	853689.9	1039684	.227072	-.185856	1790804	2861888	-161193.8	475
1992	2	149825.6	7.941181	252.3159	0	139.3807	2.279698E-02	2384991	3528247	1311908	1496729	853199.8	1036708	.227072	-.185856	1789855	2857278	-149825.6	475
1992	3	376631.4	7.409084	107.2855	0	59.26469	7.771528E-02	2384038	3519102	1310652	1487648	852676	1033527	.227072	-.185856	1788841	2852351	-376631.4	475
1992	4	811950	6.997169	55.3381	0	31.08916	.2008321	2383116	3510255	1309438	1478862	852169.2	1030449	.227072	-.185856	1787861	2847584	-811950	475

* CLOSURE *

Cumulative Total Loadings and Volumes Per Time Interval:

YEAR	Month	Vol (m ³ /Lyr)	pH(mg/Interval)	Alk(mg/Int)	Acid(mg/Int)	SO ₄ (mg/Int)	Cu (mg/Int)	1:S rem.(kg)	1:NP rem.(kg)	2:S rem.(kg)	2:NP rem.(kg)	3:S rem.(kg)	3:NP rem.(kg)	4:S (kg)	4:NP rem. (kg)	5:S rem.(kg)	5:NP rem.(kg)	Pump #2	Water Elevation (m)
1992	5	300607	2.67668E+10	1.631428E+12	5.170339E+11	7.424048E+11	2.096652E+09	2382397	3503357	1308190	1469842	851647.4	1027279	9.375E-08	-.185856	1786899	2842909	0	485.736
1992	6	603127	8.563192E+10	5.087329E+12	1.59406E+12	2.037137E+12	6.417848E+09	2381741	3497058	1306984	1461115	851142.5	1024213	9.375E-08	-.185856	1785985	2838468	0	496.5403
1992	7	912352	2.004185E+11	1.208082E+13	3.778993E+12	4.446354E+12	1.516848E+10	2381088	3490796	1305741	1452125	850620.8	1021045	9.375E-08	-.185856	1785050	2833925	0	506.636
1992	8	1211688	4.041128E+11	2.465916E+13	7.718415E+12	8.6083E+12	3.090642E+10	2380453	3484703	1304503	1443170	850099.3	1017877	9.375E-08	-.185856	1784121	2829410	0	515.9902
1992	9	1502838	7.410403E+11	4.523437E+13	1.416525E+13	1.526747E+13	5.664211E+10	2379855	3478967	1303309	1434538	849594.7	1014812	9.375E-08	-.185856	1783228	2825068	0	525.0887
1992	10	1835313	1.268057E+12	7.677214E+13	2.404704E+13	2.536395E+13	9.605169E+10	2379257	3473228	1302082	1425659	849073.3	1011646	9.375E-08	-.185856	1782311	2820612	0	535.4785
1992	11	2111283	2.055581E+12	1.228472E+14	3.849721E+13	4.001308E+13	1.536042E+11	2378693	3467825	1300898	1417097	848568.9	1008582	9.375E-08	-.185856	1781429	2816325	0	544.1026
1993	0	2376476	3.190507E+12	1.874549E+14	5.876292E+13	6.047296E+13	2.342288E+11	2378126	3462376	1299686	1408335	848048.4	1005421	9.375E-08	-.185856	1780522	2811917	0	550.7081
1993	1	2643069	4.776705E+12	2.754195E+14	8.649698E+13	8.837663E+13	3.439389E+11	2377567	3457016	1298504	1399786	847530.6	1002276	9.375E-08	-.185856	1779618	2807521	0	553.1766
1993	2	2882929	6.936533E+12	3.918047E+14	1.231116E+14	1.251167E+14	4.889814E+11	2377070	3452249	1297461	1392238	847065.1	999448	9.375E-08	-.185856	1778803	2803562	0	555.3975
1993	3	3364948	9.813373E+12	5.428013E+14	1.707516E+14	1.728609E+14	6.769952E+11	2376537	3447132	1296359	1384267	846354.3	996345.8	9.375E-08	-.185856	1777906	2799200	0	559.8606
1993	4	4278898	1.357192E+13	7.354296E+14	2.317385E+14	2.338802E+14	9.166573E+11	2376051	3442475	1295389	1377253	846068.5	993395.4	9.375E-08	-.185856	1777046	2795020	0	568.3231
1993	5	4526431	7.666137E+10	5.03909E+14	7.409938E+10	2.34712E+14	2.33985E+08	2375560	3437763	1294418	1370227	845570	990367.4	9.375E-08	-.185856	1776162	2790722	0	570.6151
1993	6	4777590	1.35115E+11	5.045635E+14	4.292114E+11	2.347248E+14	9.92753E+08	2375093	3432823	1293504	1363621	845089.8	987451.5	9.375E-08	-.185856	1775308	2786576	0	572.9046
1993	7	5033741	2.494358E+11	5.057542E+14	9.231623E+11	2.354182E+14	2.346024E+09	2374620	3428741	1292589	1356999	844596.2	984453.9	9.375E-08	-.185856	1774429	2782303	0	575.3124
1993	8	5280004	4.526843E+11	5.079988E+14	1.91549E+12	2.36589E+14	4.891058E+09	2374155	3424281	1291700	1350573	844105	981470.8	9.375E-08	-.185856	1773552	2778042	0	577.5927
1993	9	5519792	7.891803E+11	5.116647E+14	3.359835E+12	2.381843E+14	8.998056E+09	2373713	3420042	1290866	1344538	843632	978598	9.375E-08	-.185856	1772706	2773929	0	579.8129
1993	10	5799194	1.315751E+12	5.173903E+14	5.353645E+12	2.404849E+14	1.539492E+10	2373267	3415756	1290034	1338523	843146	975646.3	9.375E-08	-.185856	1771835	2769693	0	582.4
1993	11	6023802	2.102844E+12	5.260836E+14	8.890945E+12	2.43895E+14	2.512432E+10	2372842	3411681	1289254	1332876	842677.8	972802.4	9.375E-08	-.185856	1770994	2765604	0	584.4797
1994	0	6235921	3.237324E+12	5.383075E+14	1.34763E+13	2.48503E+14	3.898752E+10	2372410	3407541	1288470	1327208	842196.1	969876.8	9.375E-08	-.185856	1770127	2761389	0	586.4437
1994	1	6494441	4.823076E+12	5.558568E+14	1.990963E+13	2.548628E+14	5.832573E+10	2371987	3403473	1287710	1321710	841716.4	966963.8	9.375E-08	-.185856	1769261	2757185	0	588.4208
1994	2	6641363	6.982501E+12	5.792626E+14	2.838428E+13	2.631432E+14	8.434466E+10	2371610	3398857	1287042	1316881	841285	964343.1	9.375E-08	-.185856	1768482	2753396	0	590.1978
1994	3	7070308	9.58896E+12	6.10472E+14	3.967742E+13	2.741253E+14	1.190274E+11	2371207	3395995	1286350	1311875	840811.4	961466.9	9.375E-08	-.185856	1767623	2749220	0	594.1695
1994	4	7932897	1.361701E+13	6.515259E+14	5.44413E+13	2.883999E+14	1.646071E+11	2370843	3392502	1285759	1307606	840361.4	958734.1	9.375E-08	-.185856	1766800	2745220	0	601.2521
1994	5	8161703	1.172852E+13	5.971766E+14	3.054886E+10	2.886402E+14	8.972995E+07	2370473	3389950	1285165	1303308	839899.9	955931.4	9.375E-08	-.185856	1765954	2741108	0	602.4823
1994	6	8394738	1.755867E+13	5.974744E+14	2.605895E+11	2.890695E+14	4.624632E+08	2370119	3385557	1284604	1299245	839456	953234.7	9.375E-08	-.185856	1765137	2737141	0	603.7352
1994	7	8632162	2.897501E+13	5.980359E+14	5.349331E+11	2.895541E+14	1.049666E+09	2369758	3382097	1284037	1295148	838999.9	950464.4	9.375E-08	-.185856	1764296	2733054	0	605.0116
1994	8	8859697	4.928412E+13	5.989502E+14	9.462666E+11	2.901454E+14	1.989574E+09	2369403	3378681	1283484	1291149	838546.4	947709.8	9.375E-08	-.185856	1763458	2728981	0	606.2349
1994	9	9081362	8.291851E+13	6.005315E+14	1.611479E+12	2.90974E+14	3.593937E+09	2369062	3375417	1282962	1287371	838109.9	945058.7	9.375E-08	-.185856	1762650	2725050	0	607.4267
1994	10	9342036	1.355599E+12	6.031756E+14	2.792072E+12	2.922907E+14	6.34158E+09	2368716	3372093	1282438	1283580	837661.8	942336.8	9.375E-08	-.185856	1761817	2721003	0	608.8281
1994	11	9548521	2.142539E+12	6.070206E+14	4.353036E+12	2.939478E+14	1.604653E+10	2368385	3368916	1281942	1279997	837230.3	939716.8	9.375E-08	-.185856	1761013	2717097	0	609.9383
1995	0	9741913	3.276862E+12	6.125628E+14	6.530219E+12	2.96179E+14	1.585415E+10	2368047	3365672	1281442	1276378	836786.9	937022.9	9.375E-08	-.185856	1760185	2713072	0	610.978
1995	1	9936706	4.862457E+12	6.203871E+14	9.528986E+12	2.991655E+14	2.374747E+10	2367713	3362465	1280953	1272843	836345.4	934342.3	9.375E-08	-.185856	1759359	2709058	0	612.0253
1995	2	1.011171E+07	7.02124E+12	6.311216E+14	1.368571E+13	3.032012E+14	3.466427E+10	2367414	3359599	1280521	1269717	835948.6	931932.1	9.375E-08	-.185856	1758615	2705441	0	612.9662
1995	3	1.052193E+07	9.897977E+12	6.454649E+14	1.906106E+13	3.083726E+14	4.910591E+10	2367092	3356505	1280067	1266431	835513.9	929291.4	9.375E-08	-.185856	1757795	2701458	0	615.1717
1995	4	1.13664E+07	1.365594E+13	6.646747E+14	2.62814E+13	3.152328E+14	6.853189E+10	2366796	3353666	1279675	1263600	835102.1	926791	9.375E-08	-.185856	1757011	2697647	0	619.7118
1995	5	1.15847E+07	1.545657E+13	6.384843E+14	3.112411E+13	3.154775E+14	8.956682E+07	2366495	3350785	1279285	1260776	834679.9	924266.8	9.375E-08	-.185856	1756205	2693729	0	620.8855
1995	6	1.180758E+07	2.127818E+13	6.387787E+14	1.406697E+13	3.157858E+14	3.735909E+08	2366209	3348037	1278920	1258135	834273.7	921760	9.375E-08	-.185856	1755427	2689990	0	622.0837
1995	7	1.203451E+07	3.26857E+13	6.394286E+14	5.032006E+11	3.163373E+14	1.089784E+09	2365918	3345242	1278556	1255503	833856.6	919226.6	9.375E-08	-.185856	1754626	2686056	0	623.3038
1995	8	1.225154E+07	5.2986E+11	6.405412E+14	9.769805E+11	3.16983E+14	2.201843E+09	2365631	3342488	1278205	1252564	833441.8	916707.9	9.375E-08	-.185856	1753828	2682175	0	624.4706
1995	9	1.246305E+07	8.661185E+11	6.423309E+14	1.69846E+12	3.178425E+14	3.978583E+09	2365357	3339863	1277877	1250594	833042.8	914284.6	9.375E-08	-.185856	1753057	2678430	0	625.6078
1995	10	1.271323E+07	1.392444E+12	6.452085E+14	2.813784E+12	3.190598E+14	6.816004E+09	2365709	3337198	1277553	1248252	832633.3	911797.4	9.375E-08	-.185856	1752264	2674574	0	626.9288
1995	11	1.290535E+07	2.77929E+12	6.454989E+14	4.587198E+12	3.206665E+14	1.121077E+10	2364814	3334656	1277251	1246066	832239.1	909403.6	9.375E-08	-.185856	1751498	2670853	0	628.0084

1996	0	1.309245E+07	3.313534E+12	6.558761E+14	6.975191E+12	3.232211E+14	1.741257E+10	2364543	3332063	1276949	1243885	831833.8	906942.4	9.375E-08	-1.85856	1750709	2667017	0	628.9916
1996	1	1.327674E+07	4.89904E+12	6.646166E+14	1.022508E+13	3.263412E+14	2.601631E+10	2364277	3329506	1276659	1241782	831430.8	904493.9	9.375E-08	-1.85856	1749922	2663192	0	629.9825
1996	2	1.344818E+07	7.058288E+12	6.764778E+14	1.456541E+13	3.304149E+14	3.767153E+10	2364031	3327147	1276396	1239881	831055.4	902214.6	9.375E-08	-1.85856	1749187	2659623	0	630.9042
1996	3	1.38479E+07	9.934438E+12	6.924721E+14	2.388996E+13	3.544454E+14	5.344549E+10	2363776	3324700	1276138	1238019	830658.6	899805	9.375E-08	-1.85856	1748407	2655828	0	633.0532
1996	4	1.46822E+07	1.369231E+13	7.137006E+14	2.8259E+13	3.430518E+14	7.435579E+10	2363545	3322484	1275936	1236557	830283.6	897527.2	9.375E-08	-1.85856	1747660	2652197	0	637.5387
1996	5	1.489037E+07	1.902749E+13	6.855319E+14	3.17534E+10	3.432952E+14	8.943466E+07	2363311	3320243	1275740	1235138	829899.1	895191.8	9.375E-08	-1.85856	1746892	2648445	0	638.6379
1996	6	1.510344E+07	2.484064E+13	6.858333E+14	1.448425E+11	3.436024E+14	3.735003E+08	2363089	3318111	1275562	1233851	829529.3	892945.6	9.375E-08	-1.85856	1746151	2644865	0	639.8034
1996	7	1.532023E+07	3.623986E+13	6.863892E+14	3.543955E+11	3.439996E+14	8.999461E+08	2362864	3315951	1275391	1232613	829149.6	890639.5	9.375E-08	-1.85856	1745388	2641157	0	640.9689
1996	8	1.552712E+07	5.633165E+13	6.87487E+14	7.635412E+11	3.445712E+14	1.933675E+09	2362643	3313829	1275232	1231462	828772.1	888347.2	9.375E-08	-1.85856	1744627	2637460	0	642.0813
1996	9	1.572882E+07	9.014926E+13	6.89956E+14	1.593293E+12	3.455097E+14	3.825776E+09	2362433	3311814	1275089	1230429	828409.1	886142.3	9.375E-08	-1.85856	1743893	2633892	0	643.1657
1996	10	1.596886E+07	1.427733E+14	6.923713E+14	2.74572E+12	3.467271E+14	6.666747E+09	2362220	3309775	1274955	1229463	828036.6	883880	9.375E-08	-1.85856	1743138	2630219	0	644.4562
1996	11	1.615337E+07	2.214505E+14	6.967897E+14	4.414066E+12	3.483811E+14	1.087556E+10	2362018	3307838	1274836	1228603	827678.2	881703.1	9.375E-08	-1.85856	1742408	2626675	0	645.459
1997	0	1.632813E+07	3.348655E+12	7.032473E+14	6.8005E+12	3.506639E+14	1.700522E+10	2361813	3305866	1274723	1227783	827309.8	879465.2	9.375E-08	-1.85856	1741656	2623021	0	646.3878
1997	1	1.650228E+07	4.934076E+12	7.122468E+14	1.900713E+13	3.537131E+14	2.55395E+10	2361611	3303930	1274619	1227032	826943.2	877239.4	9.375E-08	-1.85856	1740907	2619377	0	647.3241
1997	2	1.665865E+07	7.093202E+12	7.25422E+14	1.463846E+13	3.578401E+14	3.725829E+10	2361432	3302209	1274535	1226423	826613.8	875238.8	9.375E-08	-1.85856	1740231	2616093	0	648.1648
1997	3	1.704823E+07	9.969267E+12	7.408744E+14	2.054329E+13	3.631432E+14	5.276373E+10	2361240	3300370	1274460	1225881	826253.2	873048.8	9.375E-08	-1.85856	1739488	2612482	0	650.176
1997	4	1.787273E+07	1.372706E+13	7.624735E+14	2.861902E+13	3.703469E+14	7.346346E+10	2361060	3298640	1274392	1225390	825910.2	870963.8	9.375E-08	-1.85856	1738789	2609084	0	653.1851
1997	5	1.8072E+07	2.244723E+13	7.340158E+14	1.788914E+13	3.707316E+14	2.381863E+08	2360875	3296870	1274323	1224891	825557.8	868825.9	9.375E-08	-1.85856	1738073	2605606	0	653.9124
1997	6	1.827645E+07	2.825337E+13	7.341202E+14	2.755525E+13	3.710313E+14	3.621007E+08	2360698	3295172	1274257	1224416	825218.3	866764.3	9.375E-08	-1.85856	1737386	2602264	0	654.6586
1997	7	1.848434E+07	3.96449E+13	7.344218E+14	5.687436E+13	3.715218E+14	7.529683E+08	2360516	3293431	1274186	1223901	824869.1	864643.8	9.375E-08	-1.85856	1736680	2598835	0	655.4173
1997	8	1.868234E+07	5.992921E+13	7.348178E+14	9.545117E+13	3.720997E+14	1.229579E+09	2360336	3291704	1274116	1223395	824521.5	862532.8	9.375E-08	-1.85856	1735980	2595432	0	656.14
1997	9	1.887543E+07	9.353959E+13	7.353051E+14	1.326128E+12	3.726516E+14	1.748724E+09	2360163	3290045	1274050	1222913	824186.6	860498.1	9.375E-08	-1.85856	1735307	2592162	0	656.8446
1997	10	1.910657E+07	1.376156E+14	7.360914E+14	1.920745E+13	3.734167E+14	2.56442E+09	2359985	3288342	1273982	1222425	823842.2	858406.4	9.375E-08	-1.85856	1734618	2588811	0	657.6882
1997	11	1.928447E+07	2.248262E+13	7.371932E+14	2.694064E+12	3.743362E+14	3.688797E+09	2359815	3286705	1273918	1221960	823510.3	856390.4	9.375E-08	-1.85856	1733955	2585590	0	658.3375
1998	0	1.944833E+07	3.382337E+12	7.386353E+14	3.5307E+12	3.753089E+14	5.003515E+09	2359640	3285026	1273852	1221486	823168.4	854314.4	9.375E-08	-1.85856	1733275	2582282	0	658.9355
1998	1	1.961359E+07	4.967683E+12	7.406834E+14	4.701487E+12	3.765831E+14	6.901335E+09	2359466	3283358	1273788	1221020	822827.9	852246.3	9.375E-08	-1.85856	1732598	2578994	0	659.5386
1998	2	1.976192E+07	7.126742E+12	7.433177E+14	6.013313E+12	3.779485E+14	9.187833E+09	2359310	3281861	1273730	1220604	822521.4	850384.7	9.375E-08	-1.85856	1731991	2576042	0	660.08
1998	3	2.01426E+07	1.000273E+13	7.469084E+14	7.779468E+12	3.797388E+14	1.232869E+10	2359140	3280229	1273669	1220160	822184.8	848340.8	9.375E-08	-1.85856	1731327	2572819	0	661.4694
1998	4	2.095849E+07	1.376045E+13	7.518769E+14	1.031751E+13	3.822022E+14	1.679294E+10	2358981	3278699	1273614	1219764	821863	846398.6	9.375E-08	-1.85856	1730706	2569797	0	664.447
1998	5	2.115135E+07	2.56759E+13	7.417629E+14	1.94758E+11	3.826153E+14	2.862889E+08	2358817	3277134	1273552	1219313	821536.6	844403.9	9.375E-08	-1.85856	1730069	2566703	0	665.1509
1998	6	2.134961E+07	3.147683E+13	7.419445E+14	3.218007E+11	3.829371E+14	4.880679E+08	2358661	3275633	1273493	1218887	821220.2	842482.6	9.375E-08	-1.85856	1729458	2563734	0	665.8745
1998	7	2.155109E+07	4.286298E+13	7.423466E+14	6.567824E+11	3.834586E+14	9.713896E+08	2358501	3274096	1273433	1218455	820894.8	840306.3	9.375E-08	-1.85856	1728832	2560689	0	666.6098
1998	8	2.174269E+07	6.314191E+13	7.428877E+14	1.102043E+12	3.84081E+14	1.581633E+09	2358342	3272572	1273375	1218033	820570.9	838538.9	9.375E-08	-1.85856	1728210	2557669	0	667.3091
1998	9	2.192957E+07	9.674708E+13	7.436202E+14	1.563421E+12	3.846991E+14	2.330222E+09	2358189	3271104	1273319	1217633	820258.8	836643.4	9.375E-08	-1.85856	1727613	2554768	0	667.9911
1998	10	2.215431E+07	1.493582E+12	7.447224E+14	2.27937E+12	3.855551E+14	3.425475E+09	2358033	3269602	1273264	1217230	819937.9	834694.8	9.375E-08	-1.85856	1727003	2551798	0	668.8113
1998	11	2.232601E+07	2.280231E+12	7.461647E+14	3.062183E+12	3.864489E+14	4.775561E+09	2357883	3268161	1273211	1216849	819628.8	832816.9	9.375E-08	-1.85856	1726415	2548944	0	669.438
1999	0	2.248347E+07	3.414252E+12	7.481994E+14	4.1693E+12	3.876371E+14	6.653839E+09	2357729	3266882	1273158	1216461	819310.5	830883.7	9.375E-08	-1.85856	1725813	2546016	0	670.0126
1999	1	2.264232E+07	4.999544E+12	7.509346E+14	5.579664E+12	3.890834E+14	9.13002E+09	2357575	3265215	1273105	1216082	818993.4	828958.1	9.375E-08	-1.85856	1725214	2543106	0	670.5924
1999	2	2.278487E+07	7.138555E+12	7.544489E+14	7.201863E+12	3.90677E+14	1.22054E+10	2357438	3263896	1273059	1215745	818708	827224.9	9.375E-08	-1.85856	1724677	2540494	0	671.1127
1999	3	2.315914E+07	1.003449E+13	7.590964E+14	9.332917E+12	3.927298E+14	1.625799E+10	2357289	3262466	1273010	1215390	818394.8	825222.8	9.375E-08	-1.85856	1724091	2537647	0	672.4786
1999	4	2.396883E+07	1.379216E+13	7.654148E+14	1.233846E+13	3.955461E+14	2.187633E+10	2357149	3261127	1272953	1214982	818097.6	823517.4	9.375E-08	-1.85856	1723544	2534988	0	675.4337
1999	5	2.415545E+07	2.880994E+13	7.531931E+14	1.568064E+13	3.959097E+14	1.881356E+08	2357007	3259760	1272896	1214572	817792.4	821663.5	9.375E-08	-1.85856	1722984	2532267	0	676.1147
1999	6	2.434766E+07	3.460579E+13	7.533078E+14	2.617024E+13	3.962143E+14	3.489111E+08	2356870	3258450	1272843	1214187	817498.3	819877.6	9.375E-08	-1.85856	1722447	2529657	0	676.8163
1999	7	2.454289E+07	4.59867E+13	7.536088E+14	5.432331E+13	3.966912E+14	7.197773E+08	2356730	3257102	1272790	1213802	817195.9	818041.2	9.375E-08	-1.85856	1721897	2526985	0	677.5288
1999	8	2.472824E+07	6.626038E+13	7.53999E+14	7.949796E+13	3.971328E+14	1.134276E+09	2356591	3255768	1272738	1213428	816894.8	816213.4	9.375E-08	-1.85856	1721352	2524335	0	678.2053
1999	9	2.490908E+07	9.986047E+13	7.547011E+14	1.276056E+12	3.977764E+14	1.678503E+09	2356457	3254488	1272690	1213078	816605.1	814452.4	9.375E-08	-1.85856	1720829	2521792	0	678.8652
1999	10	2.512756E+07	1.524664E+12	7.557927E+14	1.943529E+12	3.985888E+14	2.964013E+09	2356321	3253181	1272642	1212730	816307.1	812642.8	9.375E-08	-1.85856	1720293	2519190	0	679

2000	10	2.803299E+07 1.554914E+12 7.705383E+14 2.048807E+12 4.115207E+14 3.626368E+09 2354838	3238954	1272427	1211178	812931.7	792143.1	9.375E-08	-1.85856	1714446	2490771	0	690.2664
2000	11	2.819274E+07 2.341462E+12 7.726801E+14 3.053242E+12 4.125812E+14 5.557549E+09 2354726	3237882	1272427	1211178	812666	790529.7	9.375E-08	-1.85856	1714003	2488618	0	690.8494
2001	0	2.833783E+07 3.475379E+12 7.755581E+14 4.232424E+12 4.137714E+14 7.986506E+09 2354611	3236784	1272427	1211178	812392.6	788868.7	9.375E-08	-1.85856	1713549	2486412	0	691.379
2001	1	2.848433E+07 5.060567E+12 7.794901E+14 5.867675E+12 4.153445E+14 1.132928E+10 2354498	3234666	1272427	1211178	812120.2	787214.6	9.375E-08	-1.85856	1713099	2484223	0	691.9136
2001	2	2.861572E+07 7.219485E+12 7.845636E+14 7.80953E+12 4.171226E+14 1.554368E+10 2354396	3234722	1272427	1211178	811875.1	785776.1	9.375E-08	-1.85856	1712695	2482260	0	692.3931
2001	3	2.897765E+07 1.009532E+13 7.912495E+14 1.038392E+13 4.194411E+14 2.110558E+10 2354285	3233660	1272427	1211178	811606.5	784094.8	9.375E-08	-1.85856	1712257	2480131	0	693.7141
2001	4	2.977538E+07 1.385289E+13 8.001108E+14 1.397489E+13 4.22614E+14 2.859819E+10 2354184	3232685	1272427	1211178	811352.1	782550.1	9.375E-08	-1.85856	1711852	2478163	0	696.6255
2001	5	2.994944E+07 1.83162E+13 8.062489E+14 1.562835E+13 4.229759E+14 1.901313E+10 2354080	3231692	1272427	1211178	811090.9	780964.3	9.375E-08	-1.85856	1711439	2476154	0	697.2626
2001	6	3.013049E+07 4.061767E+13 7.86432E+14 2.778932E+13 4.232895E+14 4.170693E+08 2353980	3230734	1272427	1211178	810839.6	779437.8	9.375E-08	-1.85856	1711043	2474231	0	697.9215
2001	7	3.031367E+07 5.198845E+13 7.868065E+14 5.77404E+13 4.237751E+14 8.541066E+08 2353878	3229757	1272427	1211178	810581.4	777688.9	9.375E-08	-1.85856	1710639	2472266	0	698.59
2001	8	3.048697E+07 7.225011E+13 7.873778E+14 8.834274E+13 4.242512E+14 1.390521E+09 2353777	3228791	1272427	1211178	810324.3	776307.5	9.375E-08	-1.85856	1710239	2470323	0	699.2225
2001	9	3.065614E+07 1.058423E+14 7.8838E+14 1.45106E+12 4.249497E+14 2.377949E+09 2353681	3227869	1272427	1211178	810076.8	774804	9.375E-08	-1.85856	1709856	2468462	0	699.84
2001	10	3.086258E+07 1.584381E+14 7.897789E+14 2.079567E+12 4.256853E+14 3.593684E+09 2353583	3226925	1272427	1211178	809823.1	773263.1	9.375E-08	-1.85856	1709463	2466552	0	700.4212
2001	11	3.101657E+07 2.370881E+14 7.918209E+14 2.917649E+12 4.265741E+14 5.59358E+09 2353488	3226018	1272427	1211178	809579.1	771781.1	9.375E-08	-1.85856	1709085	2464712	0	700.8201
2002	0	3.115573E+07 3.504748E+14 7.947434E+14 4.155448E+12 4.278035E+14 7.755137E+09 2353391	3225087	1272427	1211178	809328.4	770258.7	9.375E-08	-1.85856	1708695	2462817	0	701.1807
2002	1	3.129628E+07 5.089886E+14 7.986204E+14 5.639461E+12 4.292047E+14 1.092268E+10 2353295	3224161	1272427	1211178	809079.3	768745.3	9.375E-08	-1.85856	1708306	2460929	0	701.5447
2002	2	3.14223E+07 7.248758E+14 8.03688E+14 7.496182E+12 4.308679E+14 1.49611E+10 2353208	3223329	1272427	1211178	808855.6	767386.3	9.375E-08	-1.85856	1707957	2459229	0	701.8712
2002	3	3.177827E+07 1.012454E+15 8.102381E+14 9.826305E+12 4.329124E+14 2.011323E+10 2353113	3222422	1272427	1211178	808611.6	765903.9	9.375E-08	-1.85856	1707573	2457364	0	702.7935
2002	4	3.257025E+07 1.388206E+15 8.187833E+14 1.292401E+13 4.355648E+14 2.688121E+10 2353024	3221565	1272427	1211178	808383.2	764517.5	9.375E-08	-1.85856	1707209	2455598	0	704.8452
2002	5	3.27401E+07 1.72426E+15 8.259709E+14 1.56129E+13 4.35926E+14 1.913434E+08 2352932	3220687	1272427	1211178	808149.5	763098	9.375E-08	-1.85856	1706836	2453784	0	705.2853
2002	6	3.291616E+07 4.350651E+15 8.386687E+14 2.520057E+13 4.362213E+14 3.16234E+08 2352844	3219845	1272427	1211178	807925	761734.7	9.375E-08	-1.85856	1706477	2452037	0	705.7413
2002	7	3.309467E+07 5.487337E+15 8.461709E+14 3.514255E+13 4.36525E+14 4.424348E+08 2352754	3218981	1272427	1211178	807694.9	760337.7	9.375E-08	-1.85856	1706107	2450241	0	706.2038
2002	8	3.326329E+07 7.5133E+15 8.603052E+14 4.666006E+13 4.368425E+14 6.160685E+08 2352665	3218125	1272427	1211178	807466.7	758951.6	9.375E-08	-1.85856	1705739	2448453	0	706.6407
2002	9	3.342795E+07 1.087195E+15 8.663769E+14 5.506707E+13 4.373139E+14 9.414531E+08 2352579	3217303	1272427	1211178	807247.5	757620	9.375E-08	-1.85856	1705385	2446730	0	707.0672
2002	10	3.36297E+07 1.613114E+15 8.68257E+14 6.688492E+13 4.377283E+14 1.19082E+09 2352491	3216461	1272427	1211178	807023.1	756257.1	9.375E-08	-1.85856	1705021	2444960	0	707.5899
2002	11	3.377918E+07 2.399575E+15 8.671182E+14 1.205211E+14 4.38152E+14 1.454264E+09 2352407	3215653	1272427	1211178	806807.6	754947.6	9.375E-08	-1.85856	1704670	2443255	0	707.9771
2003	0	3.391365E+07 3.533403E+15 8.674945E+14 1.478173E+14 4.386141E+14 1.749614E+09 2352321	3214823	1272427	1211178	806586.1	753602.6	9.375E-08	-1.85856	1704309	2441500	0	708.3255
2003	1	3.404953E+07 5.118503E+15 8.679304E+14 1.774274E+14 4.390974E+14 2.058979E+09 2352235	3213999	1272427	1211178	806366.1	752266.4	9.375E-08	-1.85856	1703949	2439752	0	708.6776
2003	2	3.417132E+07 7.277339E+15 8.688461E+14 2.111268E+14 4.399661E+14 2.42788E+09 2352158	3213259	1272427	1211178	806168.7	751066.8	9.375E-08	-1.85856	1703625	2438177	0	708.993
2003	3	3.452263E+07 1.015308E+16 8.693153E+14 2.679403E+14 4.403262E+14 3.047387E+09 2352072	3212440	1272427	1211178	805953.6	749760.7	9.375E-08	-1.85856	1703270	2436451	0	709.9032
2003	4	3.531008E+07 1.391057E+16 8.705205E+14 3.442035E+14 4.412197E+14 3.930707E+09 2351993	3211680	1272427	1211178	805753.3	748544.3	9.375E-08	-1.85856	1702934	2434817	0	711.9432
2003	5	3.547594E+07 4.05042E+16 8.707911E+14 4.315622E+09 4.414339E+14 2.411763E+09 2351912	3211092	1272427	1211178	805548.4	747300	9.375E-08	-1.85856	1702589	2433141	0	712.3729
2003	6	3.564805E+07 4.628317E+16 8.707056E+14 7.288262E+09 4.416419E+14 4.670313E+07 2351834	3210156	1272427	1211178	805351.9	746106.6	9.375E-08	-1.85856	1702256	2431527	0	712.8188
2003	7	3.582252E+07 5.764663E+16 8.725566E+14 1.821124E+11 4.420181E+14 5.873555E+08 2351755	3209392	1272427	1211178	805150.6	744884.1	9.375E-08	-1.85856	1701915	2429868	0	713.2708
2003	8	3.598711E+07 7.790288E+16 8.73627E+14 2.826426E+11 4.423231E+14 8.581808E+08 2351676	3208635	1272427	1211178	804951.1	743672.3	9.375E-08	-1.85856	1701575	2428217	0	713.6971
2003	9	3.614785E+07 1.114861E+17 8.75049E+14 4.010031E+11 4.42636E+14 5.606548E+08 2351600	3207909	1272427	1211178	804759.7	742509.6	9.375E-08	-1.85856	1701248	2426627	0	714.1136
2003	10	3.634538E+07 1.640746E+17 8.76908E+14 5.369967E+11 4.429711E+14 7.204535E+08 2351523	3207167	1272427	1211178	804563.9	741320.4	9.375E-08	-1.85856	1700912	2424993	0	714.6259
2003	11	3.649114E+07 2.427175E+17 8.7800047E+14 8.376764E+11 4.434566E+14 1.057172E+09 2351448	3206454	1272427	1211178	804375.9	740178.7	9.375E-08	-1.85856	1700588	2423419	0	715.0029
2004	0	3.662158E+07 3.569699E+17 8.83175E+14 1.08133E+12 4.438929E+14 1.3227E+09 2351372	3205723	1272427	1211178	804183	739007.4	9.375E-08	-1.85856	1700255	2421799	0	715.3409
2004	1	3.675342E+07 5.146034E+17 8.88349E+14 1.399771E+12 4.443878E+14 1.702708E+09 2351295	3204982	1272427	1211178	803991.5	737843.9	9.375E-08	-1.85856	1699923	2420186	0	715.6824
2004	2	3.687579E+07 7.30487E+17 8.893315E+14 1.778823E+12 4.449169E+14 2.177466E+09 2351223	3204294	1272427	1211178	803813.5	736762.9	9.375E-08	-1.85856	1699613	2418683	0	715.9995
2004	3	3.722306E+07 1.01808E+18 8.105957E+14 2.290362E+12 4.455619E+14 2.899623E+09 2351148	3203573	1272427	1211178	803626.8	735629.1	9.375E-08	-1.85856	1699286	2417092	0	716.8991
2004	4	3.80066E+07 1.393803E+18 8.12237E+14 3.117639E+12 4.464711E+14 4.077552E+09 2351078	3202906	1272427	1211178	803454.1	734579.9	9.375E-08	-1.85856	1698977	2415589	0	718.929
2004	5	3.816849E+07 4.323023E+18 8.092286E+14 1.58547E+11 4.468312E+14 1.940363E+08 2351007	3202225	1272427	1211178	803277.5	733507.8	9.375E-08	-1.85856	1698659	2414046	0	719.3484
2004	6	3.836768E+07 4.900597E+18 8.093252E+14 2.53122E+11 4.471254E+14 3.199252E+08 2350939	3201573	1272427	1211178	803108.3	732479.9	9.375E-08	-1.85856	1698354	2412562	0	719.7844
2004	7	3.850726E+07 6.03661E+18 8.094254E+14 3.516055E+11 4.474277E+14 4.469896E+08 2350870	3200906	1272427	1211178	802935.2	731428.8	9.375E-08	-1.85856	1698040	2411037	0	720.2261
2004	8	3.866787E+07 8.061901E+18 8.095772E+14 4.748589E+11 4.477514E+14 5.994122E+08 2350801	3200246	1272427	1211178	802763.8	730387.3	9.375E-08	-1.85856	1697728	2409520	0	720.6422
2004	9	3.882477E+07 1.14199E+19 8.098458E+14 7.590697E+11 4.482193E+14 9.282389E+08 2350736	3199613	1272427	1211178	802599.5	729389.2	9.375E-08	-1.85856	1697427	2408059	0	721.0486
2004	10	3.901852E+07 1.667841E+19 8.10116E+14 9.91886E+11 4.486422E+14 1.229107E+09 2350668	3198968	1272427	1211178	802431.8	728370.5	9.375E-08	-1.85856	1697118	2406558	0	721.5506
2004	11	3.916024E+07 2.454238E+19 8.105637E+14 1.286514E+12 4.49105E+14 1.601133E+09 2350602	3198331	1272427	1211178	802270.8	727392.7	9.375E-08	-1.85856	1696821	2405112	0	721.9177
2005	0	3.928671E+07 3.587998E+19 8.111748E+14 1.636636E+12 4.496164E+14 2.068698E+09 2350534	3197679	1272427	1211178	802105.9	726390.6	9.375E-08	-1.85856	1696515	2403625	0	722.2454
2005	1	3.941458E+07 5.173031E+19 8.120862E+14 2.087371E+12 4.50202E+14 2.720511E+09 2350466	3197032	1									

2005	8	4.129794E+07 8.328032E+11 8.137649E+14 2.913278E+11 4.542207E+14 4.31907E+08 2350041	3192960	1272427	1211178	800909.6	719123.6	9.375E-08	-1.85856	1694211	2392426	0	727.4558
2005	9	4.145106E+07 1.168571E+12 8.13887E+14 3.994754E+11 4.545238E+14 5.660317E+08 2349985	3192419	1272427	1211178	800771.9	718287	9.375E-08	-1.85856	1693936	2391091	0	727.8525
2005	10	4.164092E+07 1.69439E+12 8.141894E+14 5.729315E+11 4.548816E+14 8.08754E+08 2349925	3191844	1272427	1211178	800631.4	717433.7	9.375E-08	-1.85856	1693655	2389721	0	728.3444
2005	11	4.177886E+07 2.480755E+12 8.146405E+14 7.953879E+11 4.552679E+14 1.141025E+09 2349868	3191293	1272427	1211178	800496.8	716616.6	9.375E-08	-1.85856	1693383	2388402	0	728.7017
2006	0	4.190144E+07 3.614483E+12 8.154893E+14 1.274957E+12 4.558823E+14 1.867979E+09 2349809	3190730	1272427	1211178	800359.1	715780.3	9.375E-08	-1.85856	1693104	2387043	0	729.0193
2006	1	4.202541E+07 5.199483E+12 8.166976E+14 1.803153E+12 4.565113E+14 2.724632E+09 2349751	3190172	1272427	1211178	800222.7	714952.1	9.375E-08	-1.85856	1692826	2385691	0	729.3405
2006	2	4.213645E+07 7.358228E+12 8.185081E+14 2.532137E+12 4.572626E+14 3.957313E+09 2349699	3189673	1272427	1211178	800100.4	714209.4	9.375E-08	-1.85856	1692575	2384475	0	729.6281
2006	3	4.247584E+07 1.023387E+13 8.210705E+14 3.82023E+12 4.58067E+14 5.667013E+09 2349643	3189135	1272427	1211178	799968.8	713409.4	9.375E-08	-1.85856	1692302	2383146	0	730.5074
2006	4	4.325177E+07 1.399126E+13 8.247887E+14 4.978301E+12 4.595344E+14 8.244875E+09 2349592	3188647	1272427	1211178	799848.9	712681.5	9.375E-08	-1.85856	1692044	2381895	0	732.5175
2006	5	4.340593E+07 4.852391E+11 8.198198E+14 2.918064E+09 4.597469E+14 2.431847E+07 2349540	3188130	1272427	1211178	799726.8	711940.4	9.375E-08	-1.85856	1691780	2380612	0	732.9169
2006	6	4.356672E+07 5.429337E+11 8.199646E+14 1.769479E+11 4.601135E+14 2.375947E+08 2349491	3187677	1272427	1211178	799610.2	711231.9	9.375E-08	-1.85856	1691527	2379378	0	733.3335
2006	7	4.372949E+07 6.5647E+11 8.200791E+14 2.856089E+11 4.604218E+14 4.111305E+08 2349440	3187195	1272427	1211178	799491.4	710510.6	9.375E-08	-1.85856	1691266	2378110	0	733.7552
2006	8	4.388238E+07 8.589341E+11 8.201933E+14 3.914833E+11 4.607287E+14 5.457925E+08 2349391	3186719	1272427	1211178	799374.3	709799.3	9.375E-08	-1.85856	1691006	2376849	0	734.1512
2006	9	4.40318E+07 1.194671E+12 8.204889E+14 5.631123E+11 4.610758E+14 7.876876E+08 2349340	3186235	1272427	1211178	799262.3	709118.9	9.375E-08	-1.85856	1690757	2375636	0	734.5383
2006	10	4.421782E+07 1.720458E+12 8.2103E+14 9.359969E+11 4.616101E+14 1.292554E+09 2349289	3185743	1272427	1211178	799148.6	708428.1	9.375E-08	-1.85856	1690501	2374392	0	735.0203
2006	11	4.435206E+07 2.506791E+12 8.218129E+14 1.328148E+12 4.621307E+14 1.889072E+09 2349240	3185274	1272427	1211178	799039.9	707768	9.375E-08	-1.85856	1690245	2373195	0	735.368
2007	0	4.44708E+07 3.60487E+12 8.230546E+14 1.875046E+12 4.62766E+14 2.765063E+09 2349190	3184794	1272427	1211178	798928.6	707092.3	9.375E-08	-1.85856	1690001	2371964	0	735.6757
2007	1	4.459094E+07 5.225454E+12 8.248757E+14 2.607772E+12 4.635286E+14 4.000716E+09 2349140	3184320	1272427	1211178	798818.6	706424.5	9.375E-08	-1.85856	1689749	2370739	0	735.9869
2007	2	4.469852E+07 7.384171E+12 8.274887E+14 3.600044E+12 4.644493E+14 5.762008E+09 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	736.2656
2007	3	4.4982E+07 1.025924E+13 8.335002E+14 8.298063E+12 4.681449E+14 1.929774E+10 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2007	4	4.4982E+07 1.400861E+13 8.271504E+14 1.199304E+13 4.635275E+14 1.854663E+10 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2007	5	4.4982E+07 5.007439E+11 8.124268E+14 2.399432E+09 4.621815E+14 2.327876E+07 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2007	6	4.4982E+07 5.567414E+11 8.095942E+14 4.704958E+09 4.607693E+14 4.350043E+07 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2007	7	4.4982E+07 6.685612E+11 8.067479E+14 7.070988E+09 4.593545E+14 6.425294E+07 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2007	8	4.4982E+07 8.694154E+11 8.040959E+14 9.422438E+09 4.58049E+14 8.487805E+07 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2007	9	4.4982E+07 1.20358E+12 8.015203E+14 1.168295E+10 4.567791E+14 1.047054E+08 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2007	10	4.4982E+07 1.727417E+12 7.983262E+14 1.399396E+10 4.551618E+14 1.249742E+08 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2007	11	4.4982E+07 2.512348E+12 7.960498E+14 1.622902E+10 4.540598E+14 1.445791E+08 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	0	4.4982E+07 3.644807E+12 7.940543E+14 1.853321E+10 4.531236E+14 1.647913E+08 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	1	4.4982E+07 5.228524E+12 7.92045E+14 2.08252E+10 4.521784E+14 1.848965E+08 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	2	4.4982E+07 7.386111E+12 7.90191E+14 2.295928E+10 4.513079E+14 2.036165E+08 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	3	4.4982E+07 1.025829E+13 7.845685E+14 2.511264E+10 4.482962E+14 2.224954E+08 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	4	4.4982E+07 1.400794E+13 7.71864E+14 2.691164E+10 4.412269E+14 2.382456E+08 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	5	4.4982E+07 4.992207E+11 7.692521E+14 2.399432E+09 4.399558E+14 2.346004E+07 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	6	4.4982E+07 5.552235E+11 7.665705E+14 4.704958E+09 4.386214E+14 4.368107E+07 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	7	4.4982E+07 6.670487E+11 7.638758E+14 7.070988E+09 4.372847E+14 6.443294E+07 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	8	4.4982E+07 8.679078E+11 7.613652E+14 9.422438E+09 4.360519E+14 8.505746E+07 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	9	4.4982E+07 1.202077E+12 7.589268E+14 1.168295E+10 4.348527E+14 1.048842E+08 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	10	4.4982E+07 1.72592E+12 7.559028E+14 1.399396E+10 4.33323E+14 1.251523E+08 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	11	4.4982E+07 2.510856E+12 7.537478E+14 1.622902E+10 4.322835E+14 1.447568E+08 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	0	4.4982E+07 3.643318E+12 7.518587E+14 1.853321E+10 4.31402E+14 1.649685E+08 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	1	4.4982E+07 5.227039E+12 7.499566E+14 2.08252E+10 4.30512E+14 1.850732E+08 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	2	4.4982E+07 7.384642E+12 7.482618E+14 2.288586E+10 4.297206E+14 2.031488E+08 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	3	4.4982E+07 1.02583E+13 7.429375E+14 2.503992E+10 4.268624E+14 2.220325E+08 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	4	4.4982E+07 1.400651E+13 7.309067E+14 2.684024E+10 4.201399E+14 2.377914E+08 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	5	4.4982E+07 4.976999E+11 7.284324E+14 2.399432E+09 4.189396E+14 2.363578E+07 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	6	4.4982E+07 5.53708E+11 7.258935E+14 4.704958E+09 4.17686E+14 4.387612E+07 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	7	4.4982E+07 6.65538E+11 7.233422E+14 7.070988E+09 4.164158E+14 6.46273E+07 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	8	4.4982E+07 8.664026E+11 7.209652E+14 9.422438E+09 4.152518E+14 8.525118E+07 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	9	4.4982E+07 1.200577E+12 7.186655E+14 1.168295E+10 4.141193E+14 1.050773E+08 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	10	4.4982E+07 1.724426E+12 7.157935E+14 1.399396E+10 4.126725E+14 1.253447E+08 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	11	4.4982E+07 2.509366E+12 7.137531E+14 1.622902E+10 4.11692E+14 1.449485E+08 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2010	0	4.4982E+07 3.641832E+12 7.119647E+14 1.853321E+10 4.108624E											

2010	6	4.4982E+07	5.521925E+11	6.873781E+14	4.704958E+09	3.978488E+14	4.406702E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2010	7	4.4982E+07	6.640283E+11	6.849626E+14	7.070988E+09	3.966558E+14	6.483746E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2010	8	4.4982E+07	6.648973E+11	6.827121E+14	9.422438E+09	3.95557E+14	8.540665E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2010	9	4.4982E+07	1.190077E+12	6.805264E+14	1.168295E+10	3.944878E+14	1.052861E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2010	10	4.4982E+07	1.722931E+12	6.778156E+14	1.399396E+10	3.931194E+14	1.255526E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2010	11	4.4982E+07	2.507876E+12	6.758839E+14	1.622902E+10	3.921949E+14	1.451559E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	0	4.4982E+07	3.640345E+12	6.741908E+14	1.853321E+10	3.914143E+14	1.653666E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	1	4.4982E+07	5.224074E+12	6.724859E+14	2.08252E+10	3.906258E+14	1.854703E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	2	4.4982E+07	7.381683E+12	6.709669E+14	2.288586E+10	3.899249E+14	2.03545E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	3	4.4982E+07	1.02539E+13	6.661934E+14	2.503992E+10	3.775303E+14	2.224259E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	4	4.4982E+07	1.400362E+13	6.55406E+14	2.684024E+10	3.81268E+14	2.381785E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	5	4.4982E+07	4.946385E+12	6.531853E+14	2.399432E+09	3.801983E+14	2.409624E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	6	4.4982E+07	5.506773E+11	6.509094E+14	4.704958E+09	3.790727E+14	4.431505E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	7	4.4982E+07	6.625184E+11	6.486225E+14	7.070988E+09	3.779459E+14	6.306469E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	8	4.4982E+07	8.633924E+11	6.464918E+14	9.422438E+09	3.769088E+14	8.568713E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	9	4.4982E+07	1.197576E+12	6.444224E+14	1.168295E+10	3.758955E+14	1.055119E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	10	4.4982E+07	1.721437E+12	6.418558E+14	1.399396E+10	3.746053E+14	1.257775E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	11	4.4982E+07	2.506386E+12	6.40027E+14	1.622902E+10	3.73738E+14	1.453801E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	0	4.4982E+07	3.638859E+12	6.384241E+14	1.853321E+10	3.729997E+14	1.655903E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	1	4.4982E+07	5.222592E+12	6.3681E+14	2.08252E+10	3.72258E+14	1.856934E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	2	4.4982E+07	7.380192E+12	6.353208E+14	2.295928E+10	3.715753E+14	2.044116E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	3	4.4982E+07	1.025242E+13	6.308016E+14	2.511264E+10	3.691316E+14	2.232848E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	4	4.4982E+07	1.400216E+13	6.205885E+14	2.691164E+10	3.63449E+14	2.390222E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	5	4.4982E+07	4.931358E+12	6.184847E+14	2.399432E+09	3.623355E+14	2.434403E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	6	4.4982E+07	5.491599E+11	6.163301E+14	4.704958E+09	3.612723E+14	4.456196E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	7	4.4982E+07	6.610063E+11	6.14165E+14	7.070988E+09	3.602083E+14	6.531073E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	8	4.4982E+07	8.618854E+11	6.121479E+14	9.422438E+09	3.592296E+14	8.595236E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	9	4.4982E+07	1.196074E+12	6.101889E+14	1.168295E+10	3.582771E+14	1.051563E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	10	4.4982E+07	1.719941E+12	6.077591E+14	1.399396E+10	3.570533E+14	1.260209E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	11	4.4982E+07	2.504894E+12	6.060277E+14	1.622902E+10	3.56232E+14	1.456229E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	0	4.4982E+07	3.637371E+12	6.045104E+14	1.853321E+10	3.555419E+14	1.658324E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	1	4.4982E+07	5.221107E+12	6.029825E+14	2.08252E+10	3.548445E+14	1.859349E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	2	4.4982E+07	7.378723E+12	6.016212E+14	2.288586E+10	3.542248E+14	2.040086E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	3	4.4982E+07	1.025096E+13	5.973418E+14	2.503992E+10	3.519046E+14	2.228862E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	4	4.4982E+07	1.400073E+13	5.8767E+14	2.684024E+10	3.463966E+14	2.386313E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	5	4.4982E+07	4.916154E+12	5.856769E+14	2.399432E+09	3.45444E+14	2.461156E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	6	4.4982E+07	5.476448E+11	5.83637E+14	4.704958E+09	3.444399E+14	4.482856E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	7	4.4982E+07	6.594966E+11	5.815872E+14	7.070988E+09	3.434352E+14	6.557639E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	8	4.4982E+07	8.603807E+11	5.796774E+14	9.422438E+09	3.425119E+14	8.619714E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	9	4.4982E+07	1.194574E+12	5.778228E+14	1.168295E+10	3.416131E+14	1.060203E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	10	4.4982E+07	1.718447E+12	5.755222E+14	1.399396E+10	3.404558E+14	1.262838E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	11	4.4982E+07	2.503404E+12	5.738831E+14	1.622902E+10	3.39682E+14	1.45885E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2014	0	4.4982E+07	3.635885E+12	5.724467E+14	1.853321E+10	3.390335E+14	1.660939E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2014	1	4.4982E+07	5.219625E+12	5.710001E+14	2.08252E+10	3.383781E+14	1.861958E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2014	2	4.4982E+07	7.377244E+12	5.697114E+14	2.288586E+10	3.377958E+14	2.046688E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2014	3	4.4982E+07	1.024949E+13	5.656593E+14	2.503992E+10	3.35926E+14	2.231445E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2014	4	4.4982E+07	1.399928E+13	5.56301E+14	2.684024E+10	3.303489E+14	2.388835E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2014	5	4.4982E+07	4.900952E+12	5.546126E+14	2.399432E+09	3.294502E+14	2.490081E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	

2015	4	4.4982E+07	1.399784E+13	5.269884E+14	2.684024E+10	3.15154E+14	2.391603E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	5	4.4982E+07	4.885752E+11	5.251991E+14	2.399432E+09	3.143063E+14	2.521354E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	6	4.4982E+07	5.446153E+11	5.233706E+14	4.704958E+09	3.134111E+14	4.542844E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	7	4.4982E+07	6.564778E+11	5.215332E+14	7.070988E+09	3.125158E+14	6.617415E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	8	4.4982E+07	8.573717E+11	5.198215E+14	9.422438E+09	3.116943E+14	8.679293E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	9	4.4982E+07	1.191575E+12	5.18159E+14	1.168295E+10	3.108945E+14	1.066141E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	10	4.4982E+07	1.71546E+12	5.16099E+14	1.399396E+10	3.0986E+14	1.268753E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	11	4.4982E+07	2.500425E+12	5.146277E+14	1.622902E+10	3.091737E+14	1.464748E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	0	4.4982E+07	3.632914E+12	5.133404E+14	1.853321E+10	3.08602E+14	1.666822E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	1	4.4982E+07	5.216661E+12	5.120441E+14	2.08252E+10	3.080238E+14	1.867826E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	2	4.4982E+07	7.374276E+12	5.108479E+14	2.295928E+10	3.074921E+14	2.054982E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	3	4.4982E+07	1.024654E+13	5.072157E+14	2.511264E+10	3.05505E+14	2.243637E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	4	4.4982E+07	1.399638E+13	4.990048E+14	2.691164E+10	3.007492E+14	2.400836E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	5	4.4982E+07	4.870352E+11	4.973095E+14	2.399432E+09	2.999499E+14	2.555216E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	6	4.4982E+07	5.430985E+11	4.955784E+14	4.704958E+09	2.991049E+14	4.576588E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	7	4.4982E+07	6.549664E+11	4.938391E+14	7.070988E+09	2.9826E+14	6.65104E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	8	4.4982E+07	8.558653E+11	4.922187E+14	9.422438E+09	2.974856E+14	8.712807E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	9	4.4982E+07	1.190073E+12	4.906448E+14	1.168295E+10	2.967314E+14	1.069482E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	10	4.4982E+07	1.713964E+12	4.886925E+14	1.399396E+10	2.957535E+14	1.27208E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	11	4.4982E+07	2.498934E+12	4.873018E+14	1.622902E+10	2.951074E+14	1.468066E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	0	4.4982E+07	3.631426E+12	4.860832E+14	1.853321E+10	2.945711E+14	1.670132E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	1	4.4982E+07	5.215178E+12	4.848561E+14	2.08252E+10	2.940287E+14	1.871127E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	2	4.4982E+07	7.372807E+12	4.837628E+14	2.288586E+10	2.935469E+14	2.051836E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	3	4.4982E+07	1.024508E+13	4.803232E+14	2.503992E+10	2.91659E+14	2.240529E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	4	4.4982E+07	1.399495E+13	4.725475E+14	2.684024E+10	2.871272E+14	2.397791E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	5	4.4982E+07	4.855335E+11	4.709411E+14	2.399432E+09	2.863737E+14	2.591775E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	6	4.4982E+07	5.415842E+11	4.693023E+14	4.704958E+09	2.855761E+14	4.613019E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	7	4.4982E+07	6.534574E+11	4.676555E+14	7.070988E+09	2.847789E+14	6.687342E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	8	4.4982E+07	8.543612E+11	4.661214E+14	9.422438E+09	2.840489E+14	8.74899E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	9	4.4982E+07	1.188574E+12	4.646314E+14	1.168295E+10	2.833379E+14	1.073089E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	10	4.4982E+07	1.712471E+12	4.62783E+14	1.399396E+10	2.824135E+14	1.275673E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	11	4.4982E+07	2.497445E+12	4.614664E+14	1.622902E+10	2.818056E+14	1.471648E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	0	4.4982E+07	3.629941E+12	4.603128E+14	1.853321E+10	2.813028E+14	1.673705E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	1	4.4982E+07	5.213696E+12	4.591512E+14	2.08252E+10	2.80794E+14	1.874691E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	2	4.4982E+07	7.371329E+12	4.581162E+14	2.288586E+10	2.803423E+14	2.055392E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	3	4.4982E+07	1.024362E+13	4.548594E+14	2.503992E+10	2.785485E+14	2.244059E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	4	4.4982E+07	1.39935E+13	4.474962E+14	2.684024E+10	2.742291E+14	2.401264E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	5	4.4982E+07	4.840141E+11	4.45974E+14	2.399432E+09	2.735189E+14	2.631298E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	6	4.4982E+07	5.4007E+11	4.444224E+14	4.704958E+09	2.727662E+14	4.652404E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	7	4.4982E+07	6.519485E+11	4.428633E+14	7.070988E+09	2.720142E+14	6.726589E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	8	4.4982E+07	8.528575E+11	4.41411E+14	9.422438E+09	2.713263E+14	8.788107E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	9	4.4982E+07	1.187075E+12	4.400004E+14	1.168295E+10	2.706562E+14	1.076988E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	10	4.4982E+07	1.710978E+12	4.382504E+14	1.399396E+10	2.697824E+14	1.279556E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	11	4.4982E+07	2.495956E+12	4.370039E+14	1.622902E+10	2.692107E+14	1.47552E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2019	0	4.4982E+07	3.628456E+12	4.359119E+14	1.853321E+10	2.687395E+14	1.677567E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2019	1	4.4982E+07	5.212215E+12	4.348122E+14	2.08252E+10	2.682627E+14	1.878544E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2019	2	4.4982E+07	7.369851E+12	4.338325E+14	2.288586E+10	2.67394E+14	2.059236E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2019	3	4.4982E+07	1.024215E+13	4.307486E+14	2.503992E+10	2.661347E+14	2.247876E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	

2020	2	4.4982E+07	7.368362E+12	4.108061E+14	2.295928E+10	2.559688E+14	2.06983E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	3	4.4982E+07	1.024067E+13	4.078866E+14	2.511264E+10	2.543667E+14	2.258379E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	4	4.4982E+07	1.399061E+13	4.012851E+14	2.691164E+10	2.504395E+14	2.41534E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	5	4.4982E+07	4.809736E+11	3.99918E+14	2.399432E+09	2.498092E+14	2.720291E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	6	4.4982E+07	5.370402E+11	3.985274E+14	4.704958E+09	2.491395E+14	4.741086E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	7	4.4982E+07	6.489294E+11	3.971302E+14	7.070988E+09	2.484707E+14	6.814958E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	8	4.4982E+07	8.498483E+11	3.958285E+14	9.422438E+09	2.478604E+14	8.876185E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	9	4.4982E+07	1.184076E+12	3.945644E+14	1.168295E+10	2.472657E+14	1.085767E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	10	4.4982E+07	1.707991E+12	3.929958E+14	1.399396E+10	2.464853E+14	1.288301E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	11	4.4982E+07	2.492977E+12	3.918789E+14	1.622902E+10	2.459802E+14	1.48424E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	0	4.4982E+07	3.625485E+12	3.909004E+14	1.833321E+10	2.455676E+14	1.686265E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	1	4.4982E+07	5.209251E+12	3.89915E+14	2.08252E+10	2.451495E+14	1.887219E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	2	4.4982E+07	7.366893E+12	3.890371E+14	2.288586E+10	2.447787E+14	2.067892E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	3	4.4982E+07	1.023921E+13	3.862725E+14	2.503992E+10	2.432383E+14	2.25647E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	4	4.4982E+07	1.398917E+13	3.800207E+14	2.684024E+10	2.394911E+14	2.413474E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	5	4.4982E+07	4.794548E+11	3.772251E+14	2.399432E+09	2.388976E+14	2.770224E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	6	4.4982E+07	5.355276E+11	3.787406E+14	4.704958E+09	2.382659E+14	4.790855E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	7	4.4982E+07	6.474212E+11	3.760858E+14	7.070988E+09	2.376355E+14	6.864551E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	8	4.4982E+07	8.48345E+11	3.748535E+14	9.422438E+09	2.37061E+14	8.925615E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	9	4.4982E+07	1.182577E+12	3.736572E+14	1.168295E+10	2.365009E+14	1.090694E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	10	4.4982E+07	1.706498E+12	3.721717E+14	1.399396E+10	2.357635E+14	1.293208E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	11	4.4982E+07	2.491489E+12	3.711143E+14	1.622902E+10	2.352891E+14	1.489133E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2022	0	4.4982E+07	3.624E+12	3.701881E+14	1.853321E+10	2.349034E+14	1.691146E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2022	1	4.4982E+07	5.207771E+12	3.692553E+14	2.08252E+10	2.345124E+14	1.892088E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2022	2	4.4982E+07	7.365416E+12	3.684243E+14	2.288586E+10	2.341657E+14	2.07275E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2022	3	4.4982E+07	1.023775E+13	3.658065E+14	2.503992E+10	2.327009E+14	2.261293E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2022	4	4.4982E+07	1.398773E+13	3.598863E+14	2.684024E+10	2.291244E+14	2.418219E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2022	5	4.4982E+07	4.779362E+11	3.586584E+14	2.399432E+09	2.285658E+14	2.824226E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2022	6	4.4982E+07	5.340134E+11	3.57412E+14	4.704958E+09	2.279703E+14	4.844658E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2022	7	4.4982E+07	6.459133E+11	3.561597E+14	7.070988E+09	2.273761E+14	6.918165E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2022	8	4.4982E+07	8.46842E+11	3.549931E+14	9.422438E+09	2.268354E+14	8.979051E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2022	9	4.4982E+07	1.181079E+12	3.538601E+14	1.168295E+10	2.263082E+14	1.096021E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2022	10	4.4982E+07	1.705006E+12	3.524542E+14	1.399396E+10	2.256115E+14	1.298513E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2022	11	4.4982E+07	2.490002E+12	3.514532E+14	1.622902E+10	2.251662E+14	1.494423E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2023	0	4.4982E+07	3.622516E+12	3.505764E+14	1.853321E+10	2.248059E+14	1.696423E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2023	1	4.4982E+07	5.20629E+12	3.496935E+14	2.08252E+10	2.244406E+14	1.897351E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2023	2	4.4982E+07	7.36394E+12	3.489068E+14	2.288586E+10	2.241167E+14	2.078001E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2023	3	4.4982E+07	1.023628E+13	3.464282E+14	2.503992E+10	2.227235E+14	2.266307E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2023	4	4.4982E+07	1.398629E+13	3.40822E+14	2.684024E+10	2.193087E+14	2.423348E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2023	5	4.4982E+07	4.764179E+11	3.39658E+14	2.399432E+09	2.18783E+14	2.882592E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2023	6	4.4982E+07	5.325004E+11	3.384781E+14	4.704958E+09	2.182217E+14	4.902819E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2023	7	4.4982E+07	6.444056E+11	3.372925E+14	7.070988E+09	2.176619E+14	6.976122E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2023	8	4.4982E+07	8.453394E+11	3.361882E+14	9.422438E+09	2.171532E+14	9.036817E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2023	9	4.4982E+07	1.179581E+12	3.351155E+14	1.168295E+10	2.166571E+14	1.101779E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2023	10	4.4982E+07	1.703514E+12	3.337845E+14	1.399396E+10	2.15999E+14	1.304248E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2023	11	4.4982E+07	2.488514E+12	3.328369E+14	1.622902E+10	2.155811E+14	1.500142E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2024	0	4.4982E+07	3.621032E+12	3.320069E+14	1.853321E+10	2.152449E+14	1.702127E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2024	1	4.4982E+07	5.20481E+12	3.311712E+14	2.08252E+10	2.149039E+14	1.903041E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2024	2	4.4982E+07	7.362																

2025	0	4.4982E+07	3.619546E+12	3.143996E+14	1.853321E+10	2.061822E+14	1.708302E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2025	1	4.4982E+07	5.203328E+12	3.136085E+14	2.08252E+10	2.058642E+14	1.9092E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2025	2	4.4982E+07	7.349084E+12	3.129037E+14	2.288586E+10	2.055825E+14	2.089824E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2025	3	4.4982E+07	1.023334E+13	3.106816E+14	2.509992E+10	2.043214E+14	2.278245E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2025	4	4.4982E+07	1.39834E+13	3.056546E+14	2.684024E+10	2.012047E+14	2.434896E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2025	5	4.4982E+07	4.733798E+11	3.046088E+14	2.399432E+09	2.007399E+14	3.013988E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2025	6	4.4982E+07	5.294729E+11	3.035514E+14	4.704958E+09	2.002416E+14	5.033756E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2025	7	4.4982E+07	6.413888E+11	3.024898E+14	7.070988E+09	1.927453E+14	7.106597E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2025	8	4.4982E+07	8.423325E+11	3.014993E+14	9.422438E+09	1.992956E+14	9.166862E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2025	9	4.4982E+07	1.176584E+12	3.005381E+14	1.168295E+10	1.988569E+14	1.114742E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2025	10	4.4982E+07	1.700529E+12	2.993452E+14	1.399396E+10	1.982699E+14	1.317159E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2025	11	4.4982E+07	2.485537E+12	2.984961E+14	1.622902E+10	1.979027E+14	1.513016E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2026	0	4.4982E+07	3.618063E+12	2.977526E+14	1.853321E+10	1.97611E+14	1.714968E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2026	1	4.4982E+07	5.201848E+12	2.970038E+14	2.08252E+10	1.973148E+14	1.91585E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2026	2	4.4982E+07	7.359508E+12	2.963367E+14	2.288586E+10	1.970524E+14	2.096458E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2026	3	4.4982E+07	1.023188E+13	2.942326E+14	2.503992E+10	1.958521E+14	2.284832E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2026	4	4.4982E+07	1.398196E+13	2.894721E+14	2.684024E+10	1.928727E+14	2.441376E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2026	5	4.4982E+07	4.718624E+11	2.884807E+14	2.399432E+09	1.924358E+14	3.087715E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2026	6	4.4982E+07	5.279608E+11	2.874796E+14	4.704958E+09	1.919666E+14	5.107225E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2026	7	4.4982E+07	6.39882E+11	2.864738E+14	7.070988E+09	1.914994E+14	7.179807E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2026	8	4.4982E+07	8.408308E+11	2.85537E+14	9.422438E+09	1.910769E+14	9.239831E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2026	9	4.4982E+07	1.175087E+12	2.846271E+14	1.168295E+10	1.906646E+14	1.122015E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2026	10	4.4982E+07	1.699038E+12	2.834977E+14	1.399396E+10	1.901103E+14	1.324404E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2026	11	4.4982E+07	2.484035E+12	2.826939E+14	1.622902E+10	1.897665E+14	1.52024E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2027	0	4.4982E+07	3.61658E+12	2.819902E+14	1.853321E+10	1.894952E+14	1.722174E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2027	1	4.4982E+07	5.203699E+12	2.812814E+14	2.08252E+10	1.892196E+14	1.722174E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2027	2	4.4982E+07	7.358032E+12	2.8065E+14	2.288586E+10	1.889757E+14	2.103629E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2027	3	4.4982E+07	1.023041E+13	2.786577E+14	2.503992E+10	1.878329E+14	2.291952E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2027	4	4.4982E+07	1.398052E+13	2.741496E+14	2.684024E+10	1.849834E+14	2.448381E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2027	5	4.4982E+07	4.703453E+11	2.732096E+14	2.399432E+09	1.84573E+14	3.16741E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2027	6	4.4982E+07	5.26449E+11	2.7262E+14	4.704958E+09	1.841313E+14	5.186642E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2027	7	4.4982E+07	6.383756E+11	2.713098E+14	7.070988E+09	1.836917E+14	7.258944E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2027	8	4.4982E+07	8.393293E+11	2.70423E+14	9.422438E+09	1.832949E+14	9.318707E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2027	9	4.4982E+07	1.173591E+12	2.695616E+14	1.168295E+10	1.829076E+14	1.129877E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2027	10	4.4982E+07	1.697547E+12	2.684924E+14	1.399396E+10	1.823843E+14	1.33235E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2027	11	4.4982E+07	2.482564E+12	2.677316E+14	1.622902E+10	1.820626E+14	1.528048E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	0	4.4982E+07	3.615097E+12	2.670655E+14	1.853321E+10	1.818107E+14	1.729963E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	1	4.4982E+07	5.19889E+12	2.663946E+14	2.08252E+10	1.815546E+14	1.930806E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	2	4.4982E+07	7.356546E+12	2.657757E+14	2.295928E+10	1.8132E+14	2.117814E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	3	4.4982E+07	1.022894E+13	2.638895E+14	2.511264E+10	1.802319E+14	2.306021E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	4	4.4982E+07	1.397907E+13	2.59621E+14	2.691164E+10	1.775058E+14	2.46221E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	5	4.4982E+07	4.688262E+11	2.587298E+14	2.399432E+09	1.771205E+14	3.253679E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	6	4.4982E+07	5.249353E+11	2.578327E+14	4.704958E+09	1.767048E+14	5.27261E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	7	4.4982E+07	6.368672E+11	2.569315E+14	7.070988E+09	1.762914E+14	7.344608E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	8	4.4982E+07	8.378259E+11	2.56092E+14	9.422438E+09	1.759191E+14	9.40409E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	9	4.4982E+07	1.172092E+12	2.552767E+14	1.168295E+10	1.75554E+14	1.138388E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	10	4.4982E+07	1.696055E+12	2.542646E+14	1.399396E+10	1.750615E+14	1.340711E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	11	4.4982E+07	2.481076E+12	2.535445E+14	1.622902E+10	1.747607E+14	1.5365E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737

2029	10	4.4982E+07	1.694365E+12	2.408128E+14	1.399396E+10	1.681352E+14	1.34968E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2029	11	4.4982E+07	2.47959E+12	2.401312E+14	1.622902E+10	1.678543E+14	1.545624E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	0	4.4982E+07	3.612131E+12	2.395345E+14	1.853321E+10	1.676382E+14	1.747494E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	1	4.4982E+07	5.195931E+12	2.389336E+14	2.08252E+10	1.674181E+14	1.948293E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	2	4.4982E+07	7.353604E+12	2.383982E+14	2.288586E+10	1.672236E+14	2.128827E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	3	4.4982E+07	1.022602E+13	2.367069E+14	2.503992E+10	1.662358E+14	2.316971E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	4	4.4982E+07	1.397619E+13	2.328786E+14	2.684024E+10	1.637662E+14	2.472995E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	5	4.4982E+07	4.657937E+11	2.320772E+14	2.399432E+09	1.633972E+14	3.447428E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	6	4.4982E+07	5.219134E+11	2.312734E+14	4.704958E+09	1.630295E+14	5.465681E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	7	4.4982E+07	6.338559E+11	2.304657E+14	7.070988E+09	1.626643E+14	7.536999E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	8	4.4982E+07	8.348244E+11	2.297135E+14	9.422438E+09	1.623369E+14	9.595846E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	9	4.4982E+07	1.1691E+12	2.289829E+14	1.168295E+10	1.620169E+14	1.157502E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	10	4.4982E+07	1.693075E+12	2.280758E+14	1.399396E+10	1.615777E+14	1.359749E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	11	4.4982E+07	2.478104E+12	2.274306E+14	1.622902E+10	1.613149E+14	1.555484E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	0	4.4982E+07	3.610649E+12	2.288659E+14	1.853321E+10	1.611152E+14	1.75733E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	1	4.4982E+07	5.194453E+12	2.262971E+14	2.08252E+10	1.609117E+14	1.958103E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	2	4.4982E+07	7.352129E+12	2.257905E+14	2.288586E+10	1.607319E+14	2.13861E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	3	4.4982E+07	1.022455E+13	2.24189E+14	2.503992E+10	1.597904E+14	2.326689E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	4	4.4982E+07	1.397475E+13	2.205635E+14	2.684024E+10	1.573953E+14	2.482556E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	5	4.4982E+07	4.642781E+11	2.198035E+14	2.399432E+09	1.570776E+14	3.556194E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	6	4.4982E+07	5.20403E+11	2.190425E+14	4.704958E+09	1.567319E+14	5.574066E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	7	4.4982E+07	6.323509E+11	2.18278E+14	7.070988E+09	1.563889E+14	7.645002E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	8	4.4982E+07	8.333243E+11	2.17566E+14	9.422438E+09	1.560822E+14	9.703493E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	9	4.4982E+07	1.167605E+12	2.168744E+14	1.168295E+10	1.578232E+14	1.168232E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	10	4.4982E+07	1.691586E+12	2.160157E+14	1.399396E+10	1.553673E+14	1.370436E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	11	4.4982E+07	2.47662E+12	2.15405E+14	1.622902E+10	1.551229E+14	1.56614E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2032	0	4.4982E+07	3.609168E+12	2.148705E+14	1.853321E+10	1.549388E+14	1.76796E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2032	1	4.4982E+07	5.192975E+12	2.143322E+14	2.08252E+10	1.54751E+14	1.968706E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2032	2	4.4982E+07	7.350646E+12	2.138356E+14	2.29592E+10	1.545793E+14	2.155626E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2032	3	4.4982E+07	1.022308E+13	2.123195E+14	2.511264E+10	1.536817E+14	2.343563E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2032	4	4.4982E+07	1.39733E+13	2.088865E+14	2.691164E+10	1.513858E+14	2.499143E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2032	5	4.4982E+07	4.627606E+11	2.081657E+14	2.399432E+09	1.510882E+14	3.673918E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2032	6	4.4982E+07	5.188908E+11	2.074454E+14	4.704958E+09	1.507636E+14	5.691379E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2032	7	4.4982E+07	6.30844E+11	2.067218E+14	7.070988E+09	1.504416E+14	7.761902E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2032	8	4.4982E+07	8.318225E+11	2.060479E+14	9.422438E+09	1.501545E+14	9.820006E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2032	9	4.4982E+07	1.166108E+12	2.053933E+14	1.168295E+10	1.498736E+14	1.179846E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2032	10	4.4982E+07	1.690095E+12	2.045804E+14	1.399396E+10	1.494822E+14	1.382004E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2032	11	4.4982E+07	2.475133E+12	2.040025E+14	1.622902E+10	1.492547E+14	1.577675E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	0	4.4982E+07	3.607685E+12	2.034967E+14	1.853321E+10	1.490853E+14	1.779465E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	1	4.4982E+07	5.191496E+12	2.029873E+14	2.08252E+10	1.489124E+14	1.980182E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	2	4.4982E+07	7.349179E+12	2.025335E+14	2.288586E+10	1.487598E+14	2.160644E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	3	4.4982E+07	1.022162E+13	2.010977E+14	2.503992E+10	1.479036E+14	2.348561E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	4	4.4982E+07	1.397187E+13	1.978464E+14	2.684024E+10	1.457011E+14	2.504073E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	5	4.4982E+07	4.612457E+11	1.971627E+14	2.399432E+09	1.454227E+14	3.800968E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	6	4.4982E+07	5.173813E+11	1.964809E+14	4.704958E+09	1.451178E+14	5.817985E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	7	4.4982E+07	6.293398E+11	1.957958E+14	7.070988E+09	1.448157E+14	7.888061E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	8	4.4982E+07	8.303232E+11	1.95158E+14	9.422438E+09	1.445472E+14	9.94575E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	9	4.4982E+07	1.164614E+12	1.945384E+14	1.168295E+10	1.442843E+14	1.19238E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	

2034	8	4.4982E+07	8.288245E+11	1.848468E+14	9.422438E+09	1.392378E+14	1.008163E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2034	9	4.4982E+07	1.16312E+12	1.842603E+14	1.168295E+10	1.38992E+14	1.205925E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2034	10	4.4982E+07	1.687118E+12	1.835318E+14	1.399396E+10	1.386441E+14	1.407978E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2034	11	4.4982E+07	2.472165E+12	1.830141E+14	1.622902E+10	1.384475E+14	1.603575E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	0	4.4982E+07	3.604724E+12	1.825611E+14	1.853321E+10	1.383054E+14	1.80535E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	1	4.4982E+07	5.188543E+12	1.821049E+14	2.08252E+10	1.381598E+14	2.005952E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	2	4.4982E+07	7.346233E+12	1.816984E+14	2.288586E+10	1.380317E+14	2.186355E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	3	4.4982E+07	1.02187E+13	1.80411E+14	2.503992E+10	1.372519E+14	2.374089E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	4	4.4982E+07	1.396899E+13	1.77495E+14	2.684024E+10	1.35222E+14	2.529187E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	5	4.4982E+07	4.582175E+11	1.768797E+14	2.399432E+09	1.349787E+14	4.08662E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	6	4.4982E+07	5.14636E+11	1.762687E+14	4.704958E+09	1.347103E+14	6.102639E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	7	4.4982E+07	6.263328E+11	1.75655E+14	7.070988E+09	1.34445E+14	8.171711E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	8	4.4982E+07	8.273262E+11	1.750835E+14	9.422438E+09	1.342106E+14	1.022847E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	9	4.4982E+07	1.161626E+12	1.745284E+14	1.339809E+10	1.339809E+14	1.20561E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	10	4.4982E+07	1.68563E+12	1.738388E+14	1.399396E+10	1.33653E+14	1.422556E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	11	4.4982E+07	2.47082E+12	1.733487E+14	1.622902E+10	1.334707E+14	1.61811E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	0	4.4982E+07	3.603245E+12	1.729201E+14	1.853321E+10	1.33411E+14	1.8198E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	1	4.4982E+07	5.187067E+12	1.724884E+14	2.08252E+10	1.332081E+14	2.020414E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	2	4.4982E+07	7.344752E+12	1.72099E+14	2.295928E+10	1.330871E+14	2.207212E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	3	4.4982E+07	1.021723E+13	1.708713E+14	2.511264E+10	1.32426E+14	2.37482E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	4	4.4982E+07	1.396754E+13	1.681099E+14	2.691164E+10	1.303923E+14	2.549533E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	5	4.4982E+07	4.567019E+11	1.675261E+14	2.399432E+09	1.301633E+14	4.247173E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	6	4.4982E+07	5.128534E+11	1.669479E+14	4.704958E+09	1.299138E+14	6.26263E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	7	4.4982E+07	6.248278E+11	1.66367E+14	7.070988E+09	1.296653E+14	8.331138E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	8	4.4982E+07	8.258262E+11	1.658261E+14	9.422438E+09	1.294466E+14	1.038737E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	9	4.4982E+07	1.160131E+12	1.653007E+14	1.168295E+10	1.292322E+14	1.2364E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	10	4.4982E+07	1.684141E+12	1.64648E+14	1.399396E+10	1.289234E+14	1.438332E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	11	4.4982E+07	2.469196E+12	1.641842E+14	1.622902E+10	1.287546E+14	1.633842E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2037	0	4.4982E+07	3.601764E+12	1.637786E+14	1.853321E+10	1.286368E+14	1.83549E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2037	1	4.4982E+07	5.18559E+12	1.633701E+14	2.08252E+10	1.285158E+14	2.036065E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2037	2	4.4982E+07	7.343287E+12	1.630062E+14	2.288586E+10	1.284096E+14	2.216401E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2037	3	4.4982E+07	1.021577E+13	1.618521E+14	2.503992E+10	1.276983E+14	2.40392E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2037	4	4.4982E+07	1.396611E+13	1.592366E+14	2.684024E+10	1.258232E+14	2.558535E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2037	5	4.4982E+07	4.551891E+11	1.586827E+14	2.399432E+09	1.256115E+14	4.42041E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2037	6	4.4982E+07	5.113459E+11	1.581353E+14	4.704958E+09	1.253759E+14	6.435262E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2037	7	4.4982E+07	6.233256E+11	1.575855E+14	7.070988E+09	1.251434E+14	8.503162E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2037	8	4.4982E+07	8.243288E+11	1.570734E+14	9.422438E+09	1.249397E+14	1.055882E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2037	9	4.4982E+07	1.158638E+12	1.565763E+14	1.168295E+10	1.247398E+14	1.253491E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2037	10	4.4982E+07	1.682655E+12	1.559584E+14	1.399396E+10	1.244488E+14	1.453544E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2037	11	4.4982E+07	2.467714E+12	1.555196E+14	1.622902E+10	1.242928E+14	1.650815E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2038	0	4.4982E+07	3.600285E+12	1.551357E+14	1.853321E+10	1.241863E+14	1.852421E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2038	1	4.4982E+07	5.184115E+12	1.547492E+14	2.08252E+10	1.240766E+14	2.052953E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2038	2	4.4982E+07	7.341815E+12	1.544048E+14	2.288586E+10	1.239804E+14	2.23325E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2038	3	4.4982E+07	1.021431E+13	1.53312E+14	2.503992E+10	1.233088E+14	2.42065E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2038	4	4.4982E+07	1.396468E+13	1.508349E+14	2.684024E+10	1.214969E+14	2.574993E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2038	5	4.4982E+07	4.536769E+11	1.500092E+14	2.399432E+09	1.212997E+14	4.607587E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2038	6	4.4982E+07	5.098389E+11	1.497911E+14	4.704958E+09	1.210792E+14	6.621784E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2038	7	4.4982E+07	6.21824E+11	1.492707E+14	7.070988E+09	1.208618E+14	8.689027E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737

2039	6	4.4982E+07	5.083325E+11	1.418903E+14	4.704958E+09	1.170108E+14	6.823306E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2039	7	4.4982E+07	6.203229E+11	1.413978E+14	7.070988E+09	1.168078E+14	8.889838E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2039	8	4.4982E+07	8.213361E+11	1.409392E+14	9.422438E+09	1.166315E+14	1.094422E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2039	9	4.4982E+07	1.155655E+12	1.404938E+14	1.168295E+10	1.164583E+14	1.291907E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2039	10	4.4982E+07	1.679684E+12	1.399401E+14	1.399396E+10	1.162004E+14	1.493617E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2039	11	4.4982E+07	2.464751E+12	1.395471E+14	1.622902E+10	1.160681E+14	1.688969E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2040	0	4.4982E+07	3.59733E+12	1.392034E+14	1.853321E+10	1.159822E+14	1.890479E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2040	1	4.4982E+07	5.181167E+12	1.388573E+14	2.08252E+10	1.158933E+14	2.090914E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2040	2	4.4982E+07	7.338865E+12	1.385381E+14	2.295928E+10	1.15813E+14	2.277546E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2040	3	4.4982E+07	1.021138E+13	1.375584E+14	2.511264E+10	1.151916E+14	2.464615E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2040	4	4.4982E+07	1.396179E+13	1.353367E+14	2.691164E+10	1.135192E+14	2.618235E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2040	5	4.4982E+07	4.50652E+11	1.348629E+14	2.399432E+09	1.133488E+14	5.028618E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2040	6	4.4982E+07	5.068246E+11	1.343989E+14	4.704958E+09	1.131561E+14	7.041344E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2040	7	4.4982E+07	6.198203E+11	1.339327E+14	7.070988E+09	1.129667E+14	9.107107E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2040	8	4.4982E+07	8.198385E+11	1.334988E+14	9.422438E+09	1.128031E+14	1.116078E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2040	9	4.4982E+07	1.154162E+12	1.330772E+14	1.168295E+10	1.126422E+14	1.314936E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2040	10	4.4982E+07	1.678197E+12	1.325532E+14	1.399396E+10	1.123995E+14	1.515116E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2040	11	4.4982E+07	2.463269E+12	1.321813E+14	1.622902E+10	1.12278E+14	1.710407E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2041	0	4.4982E+07	3.595851E+12	1.318562E+14	1.853321E+10	1.122017E+14	1.911863E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2041	1	4.4982E+07	5.179692E+12	1.315387E+14	2.08252E+10	1.121224E+14	2.112244E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2041	2	4.4982E+07	7.337402E+12	1.312371E+14	2.288586E+10	1.120534E+14	2.292407E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2041	3	4.4982E+07	1.020993E+13	1.303093E+14	2.503992E+10	1.114587E+14	2.479385E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2041	4	4.4982E+07	1.396037E+13	1.28205E+14	2.684024E+10	1.098467E+14	2.632776E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2041	5	4.4982E+07	4.491417E+11	1.277552E+14	2.399432E+09	1.096887E+14	5.264658E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2041	6	4.4982E+07	5.053196E+11	1.27316E+14	4.704958E+09	1.095087E+14	7.276558E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2041	7	4.4982E+07	6.173206E+11	1.268748E+14	7.070988E+09	1.093322E+14	9.341493E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2041	8	4.4982E+07	8.183437E+11	1.264641E+14	9.422438E+09	1.091806E+14	1.139439E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2041	9	4.4982E+07	1.152672E+12	1.260652E+14	1.168295E+10	1.090313E+14	1.336779E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2041	10	4.4982E+07	1.676713E+12	1.255692E+14	1.399396E+10	1.088031E+14	1.53831E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2041	11	4.4982E+07	2.461789E+12	1.252172E+14	1.622902E+10	1.086919E+14	1.733534E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	0	4.4982E+07	3.594375E+12	1.249096E+14	1.853321E+10	1.086246E+14	1.934932E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	1	4.4982E+07	5.17822E+12	1.245998E+14	2.08252E+10	1.085544E+14	2.135254E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	2	4.4982E+07	7.335933E+12	1.243239E+14	2.288586E+10	1.084934E+14	2.315364E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	3	4.4982E+07	1.020847E+13	1.234454E+14	2.503992E+10	1.079241E+14	2.502179E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	4	4.4982E+07	1.395893E+13	1.214523E+14	2.684024E+10	1.063694E+14	2.655202E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	5	4.4982E+07	4.476321E+11	1.210252E+14	2.399432E+09	1.06223E+14	5.519629E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	6	4.4982E+07	5.038152E+11	1.206095E+14	4.704958E+09	1.060352E+14	7.530638E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	7	4.4982E+07	6.158216E+11	1.20192E+14	7.070988E+09	1.058908E+14	9.594677E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	8	4.4982E+07	8.168496E+11	1.198033E+14	9.422438E+09	1.057506E+14	1.164674E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	9	4.4982E+07	1.151183E+12	1.194258E+14	1.168295E+10	1.056123E+14	1.361933E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	10	4.4982E+07	1.675229E+12	1.189563E+14	1.399396E+10	1.053977E+14	1.563363E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	11	4.4982E+07	2.46031E+12	1.186232E+14	1.622902E+10	1.052963E+14	1.788515E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2043	0	4.4982E+07	3.5929E+12	1.183322E+14	1.853321E+10	1.052375E+14	1.95855E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2043	1	4.4982E+07	5.176748E+12	1.180392E+14	2.08252E+10	1.051759E+14	2.16011E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2043	2	4.4982E+07	7.334465E+12	1.177781E+14	2.288586E+10	1.051226E+14	2.340164E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2043	3	4.4982E+07	1.020701E+13	1.169463E+14	2.503992E+10	1.045773E+14	2.526801E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2043	4	4.4982E+07	1.39575E+13	1.150384E+14	2.684024E+10	1.030768E+14	2.679425E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2043	5	4.4982E+07	4.461232E+11	1.146528E+14	2.399432E+09	1.029416E+14	5.79504E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637		

2044	4	4.4982E+07	1.395605E+13	1.089959E+14	2.691164E+10	9.995781E+13	2.711828E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	5	4.4982E+07	4.446129E+11	1.086106E+14	2.399432E+09	9.961303E+13	6.092955E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	6	4.4982E+07	5.008066E+11	1.082383E+14	4.704958E+09	9.968751E+13	8.10196E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	7	4.4982E+07	6.128234E+11	1.078644E+14	7.070988E+09	9.954559E+13	1.016398E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	8	4.4982E+07	8.138614E+11	1.075164E+14	9.422438E+09	9.942624E+13	1.221417E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	9	4.4982E+07	1.148205E+12	1.071783E+14	1.168295E+10	9.930828E+13	1.418494E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	10	4.4982E+07	1.672263E+12	1.067577E+14	1.399396E+10	9.911891E+13	1.619698E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	11	4.4982E+07	2.457352E+12	1.064596E+14	1.622502E+10	9.903541E+13	1.814689E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	0	4.4982E+07	3.589949E+12	1.061992E+14	1.853321E+10	9.899242E+13	2.015883E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	1	4.4982E+07	5.173805E+12	1.059369E+14	2.08252E+10	9.894667E+13	2.216E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	2	4.4982E+07	7.331528E+12	1.057033E+14	2.288586E+10	9.890753E+13	2.395927E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	3	4.4982E+07	1.02041E+13	1.049575E+14	2.503992E+10	9.840651E+13	2.582167E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	4	4.4982E+07	1.395463E+13	1.032639E+14	2.684024E+10	9.700599E+13	2.733894E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	5	4.4982E+07	4.431057E+11	1.028979E+14	2.399432E+09	9.689112E+13	6.414243E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	6	4.4982E+07	4.993047E+11	1.025456E+14	4.704958E+09	9.675588E+13	8.422125E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	7	4.4982E+07	6.11327E+11	1.021917E+14	7.070988E+09	9.66243E+13	1.048302E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	8	4.4982E+07	8.123697E+11	1.018624E+14	9.422438E+09	9.651458E+13	1.253216E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	9	4.4982E+07	1.146718E+12	1.015425E+14	1.168295E+10	9.640597E+13	1.45019E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	10	4.4982E+07	1.670782E+12	1.011444E+14	1.399396E+10	9.622819E+13	1.651268E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	11	4.4982E+07	2.455875E+12	1.008624E+14	1.622502E+10	9.615296E+13	1.846168E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	0	4.4982E+07	3.588476E+12	1.006161E+14	1.853321E+10	9.811722E+13	2.047893E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	1	4.4982E+07	5.172336E+12	1.03068E+14	2.08252E+10	9.607877E+13	2.24732E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	2	4.4982E+07	7.330062E+12	1.00147E+14	2.288586E+10	9.604614E+13	2.427176E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	3	4.4982E+07	1.020264E+13	9.944079E+13	2.503992E+10	9.556551E+13	2.631194E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	4	4.4982E+07	1.39532E+13	9.783638E+13	2.684024E+10	9.421102E+13	2.764418E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	5	4.4982E+07	4.415993E+11	9.748884E+13	2.399432E+09	9.410554E+13	6.761223E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	6	4.4982E+07	4.978036E+11	9.715544E+13	4.704958E+09	9.398004E+13	8.767893E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	7	4.4982E+07	6.098311E+11	9.682055E+13	7.070988E+09	9.385825E+13	1.082757E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	8	4.4982E+07	8.108788E+11	9.650894E+13	9.422438E+09	9.375763E+13	1.287557E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	9	4.4982E+07	1.145232E+12	9.620624E+13	1.168295E+10	9.365789E+13	1.484421E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	10	4.4982E+07	1.669302E+12	9.582947E+13	1.399396E+10	9.349109E+13	1.685362E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	11	4.4982E+07	2.454399E+12	9.56259E+13	1.622502E+10	9.342368E+13	1.880165E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2047	0	4.4982E+07	3.587003E+12	9.532963E+13	1.853321E+10	9.339482E+13	2.081194E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2047	1	4.4982E+07	5.170867E+12	9.509497E+13	2.08252E+10	9.336328E+13	2.281145E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2047	2	4.4982E+07	7.328597E+12	9.488594E+13	2.288586E+10	9.33368E+13	2.460925E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2047	3	4.4982E+07	1.020119E+13	9.421724E+13	2.503992E+10	9.287549E+13	2.646702E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2047	4	4.4982E+07	1.395177E+13	9.269766E+13	2.684024E+10	9.156458E+13	2.797383E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2047	5	4.4982E+07	4.400939E+11	9.236718E+13	2.399432E+09	9.146799E+13	7.13589E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2047	6	4.4982E+07	4.963034E+11	9.205169E+13	4.704958E+09	9.135171E+13	9.14125E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2047	7	4.4982E+07	6.083362E+11	9.173478E+13	7.070988E+09	9.123918E+13	1.119961E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2047	8	4.4982E+07	8.093889E+11	9.143994E+13	9.422438E+09	9.114721E+13	1.324638E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2047	9	4.4982E+07	1.143746E+12	9.115333E+13	1.168295E+10	9.105584E+13	1.521383E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2047	10	4.4982E+07	1.667822E+12	9.079694E+13	1.399396E+10	9.089943E+13	1.721177E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2047	11	4.4982E+07	2.452924E+12	9.054446E+13	1.622502E+10	9.083945E+13	1.916875E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2048	0	4.4982E+07	3.585332E+12	9.032412E+13	1.853321E+10	9.081708E+13	2.117811E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2048	1	4.4982E+07	5.1694E+12	9.010217E+13	2.08252E+10	9.079209E+13	2.317669E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2048	2	4.4982E+07	7.327125E+12	8.989743E+13	2.295928E+10	9.077072E+13	2.503769E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2048	3	4.4982E+07	1.019973E+13	8.926432E+13	2.511264E+10	9.032773E+13	2.689226E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637		

2049	2	4.4982E+07	7.325668E+12	8.518116E+13	2.288586E+10	8.834186E+13	2.536773E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2049	3	4.4982E+07	1.019828E+13	8.45816E+13	2.503992E+10	8.791613E+13	2.72201E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2049	4	4.4982E+07	1.39489E+13	8.321815E+13	2.684024E+10	8.668558E+13	2.871471E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2049	5	4.4982E+07	4.370838E+11	8.291951E+13	2.399432E+09	8.660537E+13	7.977869E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2049	6	4.4982E+07	4.933039E+11	8.263703E+13	4.704958E+09	8.650699E+13	9.980285E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2049	7	4.4982E+07	6.053473E+11	8.235333E+13	7.070988E+09	8.641064E+13	1.203569E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2049	8	4.4982E+07	8.064097E+11	8.208941E+13	9.422438E+09	8.634595E+13	1.40797E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2049	9	4.4982E+07	1.140777E+12	8.183303E+13	1.168295E+10	8.625868E+13	1.604448E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2049	10	4.4982E+07	1.664865E+12	8.151367E+13	1.399396E+10	8.612143E+13	1.804909E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2049	11	4.4982E+07	2.449975E+12	8.128775E+13	1.622902E+10	8.607512E+13	1.999371E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2050	0	4.4982E+07	3.58259E+12	8.10907E+13	1.853321E+10	8.606474E+13	2.2001E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2050	1	4.4982E+07	5.166460E+12	8.08922E+13	2.08252E+10	8.605182E+13	2.399749E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2050	2	4.4982E+07	7.324205E+12	8.07154E+13	2.288586E+10	8.604193E+13	2.579259E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2050	3	4.4982E+07	1.01983E+13	8.014766E+13	2.503992E+10	8.563259E+13	2.764193E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2050	4	4.4982E+07	1.394747E+13	7.885606E+13	2.684024E+10	8.443905E+13	2.912971E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2050	5	4.4982E+07	4.355815E+11	7.837208E+13	2.399432E+09	8.436639E+13	8.449437E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2050	6	4.4982E+07	4.918068E+11	7.83048E+13	4.704958E+09	8.427493E+13	1.045052E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2050	7	4.4982E+07	6.038555E+11	7.803636E+13	7.070988E+09	8.418735E+13	1.250395E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2050	8	4.4982E+07	8.049229E+11	7.778668E+13	9.422438E+09	8.411862E+13	1.454642E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2050	9	4.4982E+07	1.139295E+12	7.754412E+13	1.168295E+10	8.404983E+13	1.65997E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2050	10	4.4982E+07	1.663388E+12	7.724189E+13	1.399396E+10	8.392141E+13	1.851246E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2050	11	4.4982E+07	2.448503E+12	7.702819E+13	1.622902E+10	8.388139E+13	2.045574E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2051	0	4.4982E+07	3.581122E+12	7.684186E+13	1.853321E+10	8.387653E+13	2.246187E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2051	1	4.4982E+07	5.165001E+12	7.665415E+13	2.08252E+10	8.386917E+13	2.445719E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2051	2	4.4982E+07	7.322744E+12	7.648697E+13	2.288586E+10	8.386424E+13	2.625125E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2051	3	4.4982E+07	1.019538E+13	7.594936E+13	2.503992E+10	8.347041E+13	2.809732E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2051	4	4.4982E+07	1.394605E+13	7.472578E+13	2.684024E+10	8.23119E+13	2.957772E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2051	5	4.4982E+07	4.348848E+11	7.445567E+13	2.399432E+09	8.224638E+13	8.958466E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2051	6	4.4982E+07	4.929874E+11	7.420272E+13	4.704958E+09	8.216234E+13	1.095745E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2051	7	4.4982E+07	6.08747E+11	7.39488E+13	7.070988E+09	8.20822E+13	1.300941E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2051	8	4.4982E+07	8.165498E+11	7.371259E+13	9.422438E+09	8.202042E+13	1.505072E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2051	9	4.4982E+07	1.162072E+12	7.348312E+13	1.168295E+10	8.195837E+13	1.701188E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2051	10	4.4982E+07	1.703653E+12	7.319712E+13	1.399396E+10	8.18383E+13	1.901263E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2051	11	4.4982E+07	2.514951E+12	7.299498E+13	1.622902E+10	8.180424E+13	2.095448E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2052	0	4.4982E+07	3.685335E+12	7.28188E+13	1.853321E+10	8.259536E+13	2.295936E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2052	1	4.4982E+07	5.322022E+12	7.264131E+13	2.08252E+10	8.18025E+13	2.495341E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737

Cumulative Flows and Concentrations Per Time Interval for Layer 1 : Flooding Pit

YEAR	Month	Vol (m ³ /L/yr)	pH	Alk(mg/L)	Acid(mg/L)	SO4(mg/L)	Cu (mg/L)	1:S rem.(kg)	1:NP rem.(kg)	2:S rem.(kg)	2:NP rem.(kg)	3:S rem.(kg)	3:NP rem.(kg)	4:S rem.(kg)	4:NP rem.(kg)	5: S (kg)	5:NP rem.(kg)	Pump #2	Water Elevation (m)
1992	5	300607	9.613237	3707.146	0	2469.686	4.832247E-04	2382397	3503357	1308190	1469842	851647.4	1027279	9.375E-08	-185856	1786899	2842909	0	485.736
1992	6	603127	9.890864	5791.93	0	3377.626	2.548264E-04	2381741	3497058	1306984	1461115	851142.5	1024213	9.375E-08	-185856	1785985	2838468	0	496.5403
1992	7	912352	10.17194	9099.371	0	4873.508	1.333189E-04	2381088	3490796	1305741	1452125	850620.8	1021045	9.375E-08	-185856	1785050	2833925	0	506.636
1992	8	1211688	10.43917	13981.11	0	7104.387	7.200948E-05	2380453	3484703	1304503	1443170	850099.3	1017877	9.375E-08	-185856	1784121	2829410	0	515.9902
1992	9	1502838	10.68255	20673.63	0	10159.09	4.109334E-05	2379855	3478967	1303309	1434538	849594.7	1014812	9.375E-08	-185856	1783228	2825068	0	525.0887
1992	10	1835313	10.88726	28728.13	0	13819.96	2.563616E-05	2379257	3473228	1302082	1425659	849073.3	1011646	9.375E-08	-185856	1782311	2820612	0	535.4785
1992	11	2111283	11.09246	39952.02	0	18952.02	1.597514E-05	2378693	3467825	1300898	1417097	848568.9	1008582	9.375E-08	-185856	1781429	2816325	0	544.1026
1993	0	2376476	11.28169	54152.43	0	25446.49	1.032836E-05	2378126	3462376	1299686	1408335	848048.4	1005421	9.375E-08	-185856	1780522	2811917	0	550.7081
1993	1	2643069	11.45441	71478.48	0	33437.12	6.936485E-06	2377567	3457016	1298504	1399786	847530.6	1002276	9.375E-08	-185856	1779618	2807521	0	553.1766
1993	2	2882929	11.61952	93201.44	0	43999.16	4.740932E-06	2377070	3452249	1297461	1392238	847065.1	999448	9.375E-08	-185856	1778803	2803562	0	555.3975
1993	3	3364948	11.72582	110566.3	0	51371.07	3.710866E-06	2376537	3447132	1296359	1384267	846554.3	998345.8	9.375E-08	-185856	1777906	2799200	0	559.8606
1993	4	4278898	11.7648	117715.2	0	54658.98	3.391813E-06	2376051	3442475	1295389	1377253	846068.5	993395.4	9.375E-08	-185856	1777046	2795020	0	568.3231

1993	11	6023802	11.56847	85859.84	0	40488.55	5.332907E-06	2372842	3411681	1289254	1332876	842677.8	972802.4	9.375E-08	-1.85856	1770994	2765604	0	584.4797
1994	0	6235921	11.55628	84194.64	0	39830.25	5.484818E-06	2372410	3407541	1288470	1327208	842196.1	969876.8	9.375E-08	-1.85856	1770127	2761389	0	586.4437
1994	1	6449441	11.54814	83099.79	0	39517.04	5.588739E-06	2371987	3403473	1287710	1321710	841716.4	966963.8	9.375E-08	-1.85856	1769261	2757185	0	588.4208
1994	2	6641363	11.54699	82946.59	0	39621.87	5.603549E-06	2371610	3399857	1287042	1316881	841285	964343.1	9.375E-08	-1.85856	1768482	2753396	0	590.1978
1994	3	7070308	11.53015	80731.23	0	38771.34	5.825374E-06	2371207	3395995	1286350	1311875	840811.4	961466.9	9.375E-08	-1.85856	1767623	2749220	0	594.1695
1994	4	7932897	11.48654	75266.91	0	36354.18	6.44131E-06	2370843	3392502	1285759	1307606	840361.4	958734.1	9.375E-08	-1.85856	1766800	2745220	0	601.2521
1994	5	8161703	11.46891	73164.4	0	35365.2	6.708424E-06	2370473	3388950	1285165	1303308	839899.9	955931.4	9.375E-08	-1.85856	1765954	2741108	0	602.4823
1994	6	8394738	11.45146	71141.45	0	34434.61	6.983667E-06	2370119	3385557	1284604	1299245	839456	953234.7	9.375E-08	-1.85856	1765137	2737141	0	603.7352
1994	7	8632162	11.43441	69217.99	0	33542.48	7.263638E-06	2369758	3382097	1284037	1295148	838999.9	950464.4	9.375E-08	-1.85856	1764296	2733054	0	605.0116
1994	8	8859697	11.41875	67497.12	0	32748.9	7.530692E-06	2369403	3378681	1283484	1291149	838546.4	947709.8	9.375E-08	-1.85856	1763458	2728981	0	606.2349
1994	9	9081362	11.40432	65950.47	0	32040.79	7.785235E-06	2369062	3375417	1282962	1287371	838109.9	945058.7	9.375E-08	-1.85856	1762650	2725050	0	607.4267
1994	10	9342036	11.38823	64266.88	0	31287.69	8.079383E-06	2368716	3372093	1282438	1283580	837661.8	942336.8	9.375E-08	-1.85856	1761817	2721003	0	608.8281
1994	11	9548521	11.37699	63116.33	0	30784.64	8.291412E-06	2368385	3368916	1281942	1279997	837230.3	939716.8	9.375E-08	-1.85856	1761013	2717097	0	609.9383
1995	0	9741913	11.36798	62208.79	0	30402.55	8.465426E-06	2368047	3365672	1281442	1276378	836786.9	937022.9	9.375E-08	-1.85856	1760185	2713072	0	610.978
1995	1	9936706	11.3606	61474.91	0	30107.11	8.61074E-06	2367713	3362465	1280953	1272843	836345.4	934342.3	9.375E-08	-1.85856	1759359	2709058	0	612.0253
1995	2	1.011171E+07	11.3564	61061.45	0	29985.15	8.694482E-06	2367414	3359599	1280521	1269717	835948.6	931932.1	9.375E-08	-1.85856	1758615	2705441	0	612.9662
1995	3	1.052193E+07	11.34063	59533.17	0	29307.61	9.016342E-06	2367092	3356505	1280067	1266431	835513.9	929291.4	9.375E-08	-1.85856	1757795	2701458	0	615.1717
1995	4	1.13664E+07	11.30439	56164.97	0	27733.75	9.801744E-06	2366796	3353666	1279675	1263600	835102.1	926791	9.375E-08	-1.85856	1757011	2697647	0	619.7118
1995	5	1.15847E+07	11.29261	55111.74	0	27323.25	1.00715E-05	2366495	3350785	1279285	1260776	834679.9	924226.8	9.375E-08	-1.85856	1756205	2693729	0	620.8855
1995	6	1.180758E+07	11.28094	54087.12	0	26744.33	1.034624E-05	2366209	3348037	1278920	1258135	834273.7	921760	9.375E-08	-1.85856	1755427	2689950	0	622.0837
1995	7	1.203451E+07	11.26937	53091.12	0	26285.86	1.062572E-05	2365918	3345242	1278556	1255503	833856.6	919226.6	9.375E-08	-1.85856	1754626	2686056	0	623.3038
1995	8	1.225154E+07	11.25887	52202.75	0	25872.9	1.088599E-05	2365631	3342488	1278205	1252964	833441.8	916707.9	9.375E-08	-1.85856	1753828	2682175	0	624.4706
1995	9	1.246305E+07	11.24926	51402.55	0	25502.79	1.112983E-05	2365337	3339863	1277877	1250594	833042.8	914284.6	9.375E-08	-1.85856	1753057	2678430	0	625.6078
1995	10	1.271323E+07	11.2386	50529.64	0	25096.69	1.140661E-05	2365079	3337198	1277553	1248252	832633.3	911797.4	9.375E-08	-1.85856	1752264	2674574	0	626.9528
1995	11	1.290955E+07	11.23159	49963.15	0	24854.97	1.159252E-05	2364814	3334656	1277251	1246066	832239.1	909403.6	9.375E-08	-1.85856	1751498	2670853	0	628.0084
1996	0	1.309245E+07	11.22659	49563.01	0	24687.61	1.172699E-05	2364543	3332063	1276949	1243885	831833.8	906942.4	9.375E-08	-1.85856	1750709	2667017	0	628.9916
1996	1	1.327674E+07	11.22313	49288.57	0	24579.92	1.182073E-05	2364277	3329506	1276659	1241782	831430.8	904493.9	9.375E-08	-1.85856	1749922	2663192	0	629.9825
1996	2	1.344818E+07	11.22226	49219.49	0	24569.5	1.184453E-05	2364031	3327147	1276396	1239881	831055.4	902214.6	9.375E-08	-1.85856	1749187	2659623	0	630.9042
1996	3	1.38479E+07	11.21345	48527.45	0	24256.37	1.208753E-05	2363776	3324700	1276138	1238019	830658.6	899805	9.375E-08	-1.85856	1748407	2655828	0	633.0532
1996	4	1.46822E+07	11.18937	46685.2	0	23365.15	1.277739E-05	2363545	3322484	1275936	1236557	830283.6	897527.2	9.375E-08	-1.85856	1747660	2652197	0	637.5387
1996	5	1.489037E+07	11.18066	46036.47	0	23054.84	1.303637E-05	2363311	3320243	1275740	1235138	829899.1	895191.8	9.375E-08	-1.85856	1746892	2648465	0	638.6579
1996	6	1.510344E+07	11.17199	45399.5	0	22749.95	1.329947E-05	2363089	3318111	1275562	1233851	829529.3	892945.6	9.375E-08	-1.85856	1746151	2644865	0	639.8034
1996	7	1.532022E+07	11.16344	44779.68	0	22453.95	1.356427E-05	2362864	3315951	1275391	1232613	829149.6	890639.5	9.375E-08	-1.85856	1745388	2641157	0	640.9689
1996	8	1.552712E+07	11.15571	44227.21	0	22191.56	1.380794E-05	2362643	3313829	1275232	1231462	828772.1	888347.2	9.375E-08	-1.85856	1744627	2637460	0	642.0813
1996	9	1.572882E+07	11.14866	43728.8	0	21966.67	1.403419E-05	2362433	3311814	1275089	1230429	828409.1	886142.3	9.375E-08	-1.85856	1743893	2633892	0	643.1657
1996	10	1.596886E+07	11.14089	43185.66	0	21712.71	1.4288E-05	2362220	3309775	1274955	1229463	828036.6	883880	9.375E-08	-1.85856	1743138	2630219	0	644.4562
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1997	0	1.632813E+07	11.13316	42652.86	0	21476.07	1.454464E-05	2361813	3305865	1274723	1227783	827309.8	879465.2	9.375E-08	-1.85856	1741656	2623021	0	646.3878
1997	1	1.650228E+07	11.13165	42549	0	21434.19	1.459556E-05	2361611	3303930	1274619	1227032	826943.2	877239.4	9.375E-08	-1.85856	1740907	2619377	0	647.3241
1997	2	1.665865E+07	11.13259	42613.5	0	21480.74	1.456393E-05	2361432	3302209	1274535	1226423	826613.8	875238.8	9.375E-08	-1.85856	1740231	2616093	0	648.1648
1997	3	1.704823E+07	11.1273	42252.54	0	21300.93	1.474269E-05	2361240	3300370	1274460	1225881	826253.2	873048.8	9.375E-08	-1.85856	1739488	2612482	0	650.176
1997	4	1.787273E+07	11.10948	41060.02	0	20721.34	1.536057E-05	2361060	3298640	1274392	1225390	825910.2	870965.8	9.375E-08	-1.85856	1738789	2609084	0	653.1851
1997	5	1.8072E+07	11.10257	40606.29	0	20514.15	1.560729E-05	2360875	3296870	1274323	1224891	825557.8	868825.9	9.375E-08	-1.85856	1738073	2605606	0	653.9124
1997	6	1.827645E+07	11.09558	40152.46	0	20301.05	1.58609E-05	2360698	3295172	1274257	1224416	825218.3	866764.3	9.375E-08	-1.85856	1737386	2602264	0	654.6586
1997	7	1.848434E+07	11.08855	39701.33	0	20099.27	1.612001E-05	2360516	3293431	1274186	1223901	824869.1	864643.8	9.375E-08	-1.85856	1736680	2598835	0	655.4173
1997	8	1.868234E+07	11.08193	39281.12	0	19917.19	1.636788E-05	2360336	3291704	1274116	1223395	824521.5	862532.8	9.375E-08	-1.85856	1735980	2595432	0	656.14
1997	9	1.887543E+07	11.07563	38885.42	0	19742.68	1.660725E-05	2360163	3290045	1274050	1222913	824186.6	860498.1	9.375E-08	-1.85856	1735307	2592162	0	656.8446
1997	10	1.910657E+07	11.06822	38425.04	0	19543.89	1.689336E-05	2359985	3288342	1273982	1222425	823842.2	858406.4	9.375E-08	-1.85856	1734618	2588811	0	657.6882
1997	11	1.928447E+07	11.06273	38087.59	0	19411.28	1.710842E-05	2359815	3286705	1273918	1221960	823510.3	856390.4	9.375E-08	-1.85856	1733955	2585590	0	658.3375
1998	0	1.944833E+07	11.05798	37797.83	0	19297.75	1.72968E-05	2359640	3285026	1273852	1221486	823168.4	854314.4	9.375E-08	-1.85856	1733275	2582282	0	658.9355
1998	1	1.961359E+07	11.05345	37524.08	0	19200.11	1.747804E-05	2359466	3283358	1273788	1221020	822827.9	852246.3	9.375E-08	-1.85856	1732598	2578994	0	659.5386
1998	2	1.976192E+07	11.04988	37309.35	0	19125.09	1.762251E-05	2359310	3281861	1273730	1220604	822521.4	850384.7	9.375E-0					

1998	9	2.192957E+07 10.98912	33838.18	0	17542.48	2.027165E-05 2358189	3271104	1273319	1217633	820258.8	836643.4	9.375E-08	-185856	1727613	2554768	0	667.9911
1998	10	2.215431E+07 10.9831	33512.35	0	17403.16	2.055487E-05 2358033	3269402	1273264	1217230	819937.9	834694.8	9.375E-08	-185856	1727003	2551798	0	668.8113
1998	11	2.232601E+07 10.97885	33284.16	0	17309.35	2.075728E-05 2357883	3268161	1273211	1216849	819628.8	832816.9	9.375E-08	-185856	1726415	2548944	0	669.438
1999	0	2.248347E+07 10.97525	33092.32	0	17240.98	2.093005E-05 2357729	3266682	1273158	1216461	819310.5	830883.7	9.375E-08	-185856	1725813	2546016	0	670.0126
1999	1	2.264232E+07 10.97198	32918.66	0	17183.99	2.108859E-05 2357575	3265215	1273105	1216082	818993.4	828958.1	9.375E-08	-185856	1725214	2543106	0	670.5924
1999	2	2.278487E+07 10.96965	32795.76	0	17146.34	2.120205E-05 2357438	3263698	1273059	1215745	818708	827224.9	9.375E-08	-185856	1724677	2540494	0	671.1127
1999	3	2.315914E+07 10.96161	32374.4	0	16957.87	2.159887E-05 2357289	3262466	1273010	1215390	818394.8	825322.8	9.375E-08	-185856	1724091	2537647	0	672.4786
1999	4	2.396883E+07 10.94297	31418.98	0	16502.52	2.254698E-05 2357149	3261127	1272953	1214962	818097.6	823517.4	9.375E-08	-185856	1723544	2534988	0	675.4337
1999	5	2.415545E+07 10.93811	31174.59	0	16390.08	2.280091E-05 2357007	3259760	1272896	1214572	817792.4	821663.5	9.375E-08	-185856	1722984	2532267	0	676.1147
1999	6	2.434766E+07 10.93319	30928.9	0	16273.2	2.306109E-05 2356870	3258450	1272843	1214187	817498.3	819877.6	9.375E-08	-185856	1722447	2529657	0	676.8163
1999	7	2.454289E+07 10.92823	30683.65	0	16163.18	2.332589E-05 2356730	3257102	1272790	1213802	817195.9	818041.2	9.375E-08	-185856	1721897	2526985	0	677.5288
1999	8	2.472824E+07 10.92366	30458.9	0	16059.89	2.357311E-05 2356591	3255768	1272738	1213428	816894.9	816213.4	9.375E-08	-185856	1721352	2524335	0	678.2053
1999	9	2.490908E+07 10.91932	30247	0	15969.63	2.381031E-05 2356457	3254488	1272690	1213078	816605.1	814452.4	9.375E-08	-185856	1720829	2521792	0	678.8652
1999	10	2.512756E+07 10.91423	30000.89	0	15862.1	2.409091E-05 2356321	3253181	1272642	1212730	816307.1	812642.8	9.375E-08	-185856	1720293	2519190	0	679.6627
1999	11	2.529322E+07 10.91076	29834.15	0	15792.05	2.428422E-05 2356190	3251927	1272596	1212402	816019.9	810899.1	9.375E-08	-185856	1719780	2516693	0	680.2672
2000	0	2.544443E+07 10.90797	29700.38	0	15743.66	2.444123E-05 2356056	3250643	1272551	1212074	815724.4	809104.4	9.375E-08	-185856	1719252	2514130	0	680.8191
2000	1	2.559703E+07 10.90562	29588.31	0	15699.97	2.457408E-05 2355923	3249368	1272507	1211755	815430	807316.3	9.375E-08	-185856	1718729	2511586	0	681.376
2000	2	2.573882E+07 10.90403	29512.95	0	15677.94	2.466413E-05 2355800	3248186	1272467	1211465	815155.5	805649.7	9.375E-08	-185856	1718243	2509223	0	681.8935
2000	3	2.610685E+07 10.89773	29215.53	0	15536.43	2.502505E-05 2355670	3246939	1272427	1211178	814865	803885.3	9.375E-08	-185856	1717732	2506742	0	683.2367
2000	4	2.691049E+07 10.88216	28493.6	0	15178.81	2.593931E-05 2355530	3245786	1272427	1211178	814589.6	802212.8	9.375E-08	-185856	1717258	2504434	0	686.1697
2000	5	2.7091E+07 10.87803	28305	0	15086.38	2.618748E-05 2355427	3244609	1272427	1211178	814306.8	800494.9	9.375E-08	-185856	1716772	2502075	0	686.8285
2000	6	2.72773E+07 10.8738	28113.27	0	14997.77	2.644402E-05 2355309	3243475	1272427	1211178	814034.4	798840.9	9.375E-08	-185856	1716307	2499815	0	687.5084
2000	7	2.746643E+07 10.86962	27925.24	0	14907.74	2.669979E-05 2355188	3242316	1272427	1211178	813754.4	797140.4	9.375E-08	-185856	1715831	2497502	0	688.1987
2000	8	2.764568E+07 10.86578	27753.39	0	14831.73	2.693718E-05 2355069	3241170	1272427	1211178	813475.8	795447.8	9.375E-08	-185856	1715360	2495211	0	688.8528
2000	9	2.782061E+07 10.86222	27595.02	0	14764.48	2.715912E-05 2354954	3240073	1272427	1211178	813207.4	793817.7	9.375E-08	-185856	1714908	2493015	0	689.4913
2000	10	2.803299E+07 10.85812	27413.76	0	14679.88	2.741704E-05 2354838	3238954	1272427	1211178	812931.7	792143.1	9.375E-08	-185856	1714446	2490771	0	690.2664
2000	11	2.819274E+07 10.8555	27298.77	0	14634.31	2.758285E-05 2354726	3237882	1272427	1211178	812666	790529.7	9.375E-08	-185856	1714003	2488618	0	690.8494
2001	0	2.833783E+07 10.85368	27218.94	0	14601.38	2.76989E-05 2354611	3236784	1272427	1211178	812392.6	788868.7	9.375E-08	-185856	1713549	2486412	0	691.379
2001	1	2.848433E+07 10.85232	27159.57	0	14581.51	2.77858E-05 2354498	3235696	1272427	1211178	812120.2	787214.6	9.375E-08	-185856	1713099	2484223	0	691.9136
2001	2	2.861572E+07 10.85197	27144.31	0	14576.69	2.780822E-05 2354396	3234722	1272427	1211178	811875.1	785726.1	9.375E-08	-185856	1712695	2482260	0	692.3931
2001	3	2.897765E+07 10.84744	26947.17	0	14474.64	2.81004E-05 2354285	3233660	1272427	1211178	811606.5	784094.8	9.375E-08	-185856	1712257	2480131	0	693.7141
2001	4	2.977538E+07 10.83473	26402.22	0	14193.41	2.893588E-05 2354184	3232685	1272427	1211178	811352.1	782550.1	9.375E-08	-185856	1711852	2478163	0	696.6255
2001	5	2.994994E+07 10.83106	26246.88	0	14122.76	2.918179E-05 2354080	3231692	1272427	1211178	811090.9	780964.3	9.375E-08	-185856	1711439	2476154	0	697.2626
2001	6	3.013049E+07 10.82737	26091.65	0	14048.54	2.943109E-05 2353980	3230734	1272427	1211178	810839.6	779437.8	9.375E-08	-185856	1711043	2474231	0	697.9215
2001	7	3.031367E+07 10.82365	25936.45	0	13979.67	2.968402E-05 2353878	3229757	1272427	1211178	810581.4	777868.9	9.375E-08	-185856	1710639	2472266	0	698.59
2001	8	3.048697E+07 10.82032	25797.72	0	13915.82	2.991314E-05 2353777	3228791	1272427	1211178	810324.3	776307.5	9.375E-08	-185856	1710239	2470323	0	699.2225
2001	9	3.065614E+07 10.81722	25669.54	0	13861.81	3.01276E-05 2353681	3227869	1272427	1211178	810076.8	774804	9.375E-08	-185856	1709856	2468462	0	699.84
2001	10	3.086258E+07 10.81365	25522.8	0	13792.93	3.037637E-05 2353583	3226925	1272427	1211178	809823.1	773263.1	9.375E-08	-185856	1709463	2466552	0	700.4212
2001	11	3.101657E+07 10.8115	25434.89	0	13753.1	3.052698E-05 2353488	3226018	1272427	1211178	809579.1	771781.1	9.375E-08	-185856	1709085	2464712	0	700.8201
2002	0	3.115573E+07 10.81005	25375.37	0	13731.13	3.062975E-05 2353391	3225087	1272427	1211178	809328.4	770258.7	9.375E-08	-185856	1708695	2462817	0	701.1807
2002	1	3.129628E+07 10.80913	25337.87	0	13714.24	3.069479E-05 2353295	3224161	1272427	1211178	809079.3	768745.6	9.375E-08	-185856	1708306	2460929	0	701.5447
2002	2	3.14223E+07 10.80914	25338.45	0	13712.17	3.069378E-05 2353208	3223329	1272427	1211178	808855.6	767386.3	9.375E-08	-185856	1707957	2459229	0	701.8712
2002	3	3.177827E+07 10.80542	25187.38	0	13622.91	3.09581E-05 2353113	3222422	1272427	1211178	808611.6	765903.9	9.375E-08	-185856	1707573	2457364	0	702.7935
2002	4	3.257025E+07 10.79432	24742.19	0	13373.09	3.176007E-05 2353024	3221565	1272427	1211178	808383.2	764517.5	9.375E-08	-185856	1707209	2455598	0	704.8452
2002	5	3.274014E+07 10.79105	24612.44	0	13314.72	3.200043E-05 2352932	3220687	1272427	1211178	808149.5	763098	9.375E-08	-185856	1706836	2453784	0	705.2853
2002	6	3.291616E+07 10.78772	24480.85	0	13252.5	3.224743E-05 2352844	3219845	1272427	1211178	807925	761734.7	9.375E-08	-185856	1706477	2452037	0	705.7413
2002	7	3.309467E+07 10.78436	24348.92	0	13190.19	3.249826E-05 2352754	3218981	1272427	1211178	807694.9	760337.7	9.375E-08	-185856	1706107	2450241	0	706.2038
2002	8	3.326329E+07 10.78121	24226.06	0	13132.87	3.273485E-05 2352665	3218125	1272427	1211178	807466.7	758951.6	9.375E-08	-185856	1705739	2448453	0	706.6407
2002	9	3.342795E+07 10.77813	24106.36	0	13082.28	3.296824E-05 2352579	3217303	1272427	1211178	807247.5	757620	9.375E-08	-185856	1705385	2446730	0	707.0672
2002	10	3.36297E+07 10.7744	23962.65	0	13016.12	3.325222E-05 2352491	3216461	1272427	1211178	807023.1	756257.1	9.375E-08	-185856	1705021	2444960	0	707.5899
2002	11	3.377918E+07 10.77169	23858.28	0	12971.07	3.346097E-05 2352407	3215653	1272427	1211178	806807.6	754947.6	9.375E-08	-185856	1704670	2443255	0	707.9771
2003	0	3.391365E+07 10.7693	23766.72	0	12933.26	3.364602E-05 2352321	3214823	1272427	1211178	806586.1	753602.6	9.375E-08	-185856	1704309	2441500	0	708.3255
2003	1	3.404953E+07 10.76692	23675.98	0	12895.84	3.383105E-05 2352235	3213999	1272427	1211178	806366.1	752266.4	9.375E-08	-185856	1703949	2439752	0	708.6776
2003	2	3.417132E+07 10.76484	235														

2003	7	3.582252E+07	10.73604	22529.78	0	12339.11	3.632642E-05	2351755	3209392	1272427	1211178	805150.6	744884.1	9.375E-08	-185856	1701915	2429868	0	713.2708
2003	8	3.598711E+07	10.73319	22426.92	0	12291.16	3.636355E-05	2351676	3208635	1272427	1211178	804951.1	743672.3	9.375E-08	-185856	1701575	2428217	0	713.6971
2003	9	3.614785E+07	10.73044	22327.85	0	12245.15	3.679849E-05	2351600	3207909	1272427	1211178	804759.7	742509.6	9.375E-08	-185856	1701248	2426627	0	714.1136
2003	10	3.634558E+07	10.72708	22207.76	0	12187.76	3.708416E-05	2351523	3207167	1272427	1211178	804563.9	741320.4	9.375E-08	-185856	1700912	2424993	0	714.6259
2003	11	3.649114E+07	10.72461	22119.54	0	12152.45	3.729646E-05	2351448	3206454	1272427	1211178	804375.9	740178.7	9.375E-08	-185856	1700588	2423419	0	715.0029
2004	0	3.662158E+07	10.72244	22042.64	0	12121.07	3.748319E-05	2351372	3205723	1272427	1211178	804183	739007.4	9.375E-08	-185856	1700255	2421799	0	715.3409
2004	1	3.675342E+07	10.72036	21968.98	0	12091.06	3.766356E-05	2351295	3204982	1272427	1211178	803991.5	737843.9	9.375E-08	-185856	1699923	2420186	0	715.6824
2004	2	3.687579E+07	10.71853	21904.69	0	12065.28	3.782219E-05	2351223	3204294	1272427	1211178	803813.5	736762.9	9.375E-08	-185856	1699613	2418683	0	715.9995
2004	3	3.722306E+07	10.71313	21715.18	0	11970.05	3.829644E-05	2351148	3203573	1272427	1211178	803626.8	735629.1	9.375E-08	-185856	1699286	2417092	0	716.8991
2004	4	3.80066E+07	10.70079	21288.91	0	11747.2	3.940085E-05	2351078	3202906	1272427	1211178	803454.1	734579.9	9.375E-08	-185856	1698977	2415589	0	718.929
2004	5	3.816849E+07	10.69811	21197.4	0	11706.81	3.964506E-05	2351007	3202225	1272427	1211178	803277.5	733507.8	9.375E-08	-185856	1698659	2414046	0	719.3484
2004	6	3.833676E+07	10.69537	21104.34	0	11663.1	3.989604E-05	2350939	3201573	1272427	1211178	803108.3	732479.9	9.375E-08	-185856	1698354	2412562	0	719.7844
2004	7	3.850726E+07	10.69261	21010.94	0	11619.31	4.015064E-05	2350860	3200906	1272427	1211178	802935.2	731428.8	9.375E-08	-185856	1698040	2411037	0	720.2261
2004	8	3.866787E+07	10.69005	20924.41	0	11579.28	4.038893E-05	2350801	3200246	1272427	1211178	802763.8	730387.3	9.375E-08	-185856	1697728	2409520	0	720.682
2004	9	3.882477E+07	10.68752	20839.45	0	11544.67	4.062524E-05	2350736	3199613	1272427	1211178	802599.5	729389.2	9.375E-08	-185856	1697427	2408059	0	721.0486
2004	10	3.901852E+07	10.68445	20736.92	0	11498.18	4.091362E-05	2350668	3198968	1272427	1211178	802431.8	728370.5	9.375E-08	-185856	1697118	2406558	0	721.5306
2004	11	3.916024E+07	10.68231	20665.79	0	11468.39	4.111575E-05	2350602	3198331	1272427	1211178	802270.8	727392.7	9.375E-08	-185856	1696821	2405112	0	721.9177
2005	0	3.928671E+07	10.6805	20605.9	0	11444.49	4.128719E-05	2350534	3197679	1272427	1211178	802105.9	726390.6	9.375E-08	-185856	1696515	2403625	0	722.2454
2005	1	3.941458E+07	10.67884	20550.74	0	11422.22	4.144622E-05	2350466	3197032	1272427	1211178	801942.3	725396.9	9.375E-08	-185856	1696211	2402144	0	722.5767
2005	2	3.952914E+07	10.6776	20510.07	0	11406	4.15641E-05	2350406	3196452	1272427	1211178	801795.6	724506.1	9.375E-08	-185856	1695936	2400812	0	722.8734
2005	3	3.987244E+07	10.67307	20361.26	0	11332.67	4.200053E-05	2350340	3195824	1272427	1211178	801636.8	723540.9	9.375E-08	-185856	1695636	2399353	0	723.7628
2005	4	4.065214E+07	10.66226	20010.64	0	11146.17	4.305986E-05	2350280	3195248	1272427	1211178	801490.7	722653.8	9.375E-08	-185856	1695353	2397978	0	725.7827
2005	5	4.081012E+07	10.65986	19933.36	0	11108.24	4.329942E-05	2350219	3194661	1272427	1211178	801341.7	721748.6	9.375E-08	-185856	1695063	2396567	0	726.192
2005	6	4.097462E+07	10.65736	19853.68	0	11068.87	4.354893E-05	2350160	3194100	1272427	1211178	801199.3	720882.9	9.375E-08	-185856	1694784	2395209	0	726.6182
2005	7	4.114122E+07	10.65482	19772.63	0	11033.16	4.380517E-05	2350100	3193527	1272427	1211178	801053.6	719998.3	9.375E-08	-185856	1694497	2393814	0	727.0498
2005	8	4.129794E+07	10.65246	19697.68	0	10998.63	4.404433E-05	2350041	3192960	1272427	1211178	800909.6	719123.6	9.375E-08	-185856	1694211	2392406	0	727.4558
2005	9	4.145106E+07	10.65016	19625.25	0	10965.31	4.427768E-05	2349985	3192419	1272427	1211178	800771.9	718287	9.375E-08	-185856	1693936	2391091	0	727.8525
2005	10	4.164092E+07	10.64742	19538.87	0	10923.91	4.455868E-05	2349925	3191844	1272427	1211178	800631.4	717433.7	9.375E-08	-185856	1693655	2389721	0	728.3444
2005	11	4.177886E+07	10.64534	19479.83	0	10897.09	4.475244E-05	2349868	3191293	1272427	1211178	800496.8	716616.6	9.375E-08	-185856	1693383	2388402	0	728.7017
2006	0	4.190144E+07	10.644	19431.75	0	10879.87	4.49114E-05	2349809	3190730	1272427	1211178	800359.1	715780.3	9.375E-08	-185856	1693104	2387043	0	729.0193
2006	1	4.202541E+07	10.64268	19390.52	0	10862.75	4.504833E-05	2349751	3190172	1272427	1211178	800222.7	714952.1	9.375E-08	-185856	1692826	2385691	0	729.3405
2006	2	4.213645E+07	10.64186	19365.09	0	10851.95	4.513327E-05	2349699	3189673	1272427	1211178	800100.4	714209.4	9.375E-08	-185856	1692575	2384475	0	729.6281
2006	3	4.247584E+07	10.63808	19247.87	0	10787.36	4.552785E-05	2349643	3189135	1272427	1211178	799968.8	713409.4	9.375E-08	-185856	1692302	2383146	0	730.9074
2006	4	4.325177E+07	10.62852	18954.38	0	10624.64	4.654224E-05	2349592	3188647	1272427	1211178	799848.9	712681.5	9.375E-08	-185856	1692044	2381895	0	732.5175
2006	5	4.340593E+07	10.62632	18887.21	0	10591.8	4.677979E-05	2349540	3188150	1272427	1211178	799726.8	711940.4	9.375E-08	-185856	1691780	2380612	0	732.9169
2006	6	4.356672E+07	10.62399	18816.83	0	10561.12	4.703095E-05	2349491	3187677	1272427	1211178	799610.2	711231.9	9.375E-08	-185856	1691527	2379378	0	733.3335
2006	7	4.372949E+07	10.62168	18746.93	0	10528.86	4.728262E-05	2349440	3187195	1272427	1211178	799491.4	710510.6	9.375E-08	-185856	1691266	2378110	0	733.7552
2006	8	4.388238E+07	10.61951	18681.8	0	10499.17	4.751924E-05	2349391	3186719	1272427	1211178	799374.3	709799.3	9.375E-08	-185856	1691006	2376849	0	734.1512
2006	9	4.40318E+07	10.61749	18621.22	0	10471.43	4.774109E-05	2349340	3186235	1272427	1211178	799262.3	709118.9	9.375E-08	-185856	1690757	2375636	0	734.5383
2006	10	4.421782E+07	10.61499	18546.69	0	10439.46	4.801651E-05	2349289	3185743	1272427	1211178	799148.6	708428.1	9.375E-08	-185856	1690501	2374392	0	735.0203
2006	11	4.435206E+07	10.6134	18499.36	0	10419.6	4.819278E-05	2349240	3185274	1272427	1211178	799039.9	707768	9.375E-08	-185856	1690255	2373195	0	735.368
2007	0	4.44708E+07	10.61227	18465.59	0	10406.06	4.831922E-05	2349190	3184794	1272427	1211178	798928.6	707092.3	9.375E-08	-185856	1690001	2371964	0	735.6757
2007	1	4.459094E+07	10.61141	18440.25	0	10395.13	4.841448E-05	2349140	3184320	1272427	1211178	798818.6	706424.5	9.375E-08	-185856	1689749	2370739	0	735.9869
2007	2	4.469852E+07	10.61114	18432.12	0	10390.71	4.844503E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	736.2656
2007	3	4.4982E+07	10.6082	18345.16	0	10407.38	4.877466E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2007	4	4.4982E+07	10.60058	18121.86	0	10304.73	4.963896E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2007	5	4.4982E+07	10.59849	18061.1	0	10274.81	4.987849E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2007	6	4.4982E+07	10.59631	17996.08	0	10243.42	5.012921E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2007	7	4.4982E+07	10.59412	17934.75	0	10211.96	5.038329E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2007	8	4.4982E+07	10.59207	17875.74	0	10182.94	5.062195E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2007	9	4.4982E+07	10.59007	17818.43	0	10154.71	5.085561E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2007	10	4.4982E+07	10.58758	17747.37	0	10118.75	5.114788E-05	2349096	3183897	1272427	12								

2013	3	4.4982E+07	10.40711	13279.02	0	7823.231	7.753139E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	4	4.4982E+07	10.39696	13063.96	0	7700.782	7.936833E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	5	4.4982E+07	10.39487	13020.2	0	7679.605	7.975132E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	6	4.4982E+07	10.39269	12974.8	0	7657.284	8.015166E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	7	4.4982E+07	10.39005	12929.17	0	7634.948	8.055755E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	8	4.4982E+07	10.38845	12886.67	0	7614.42	8.093698E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	9	4.4982E+07	10.38646	12845.38	0	7594.439	8.131239E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	10	4.4982E+07	10.38397	12794.19	0	7568.713	8.177933E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	11	4.4982E+07	10.3822	12757.7	0	7551.509	8.211491E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2014	0	4.4982E+07	10.38063	12725.71	0	7537.093	8.24111E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2014	1	4.4982E+07	10.37906	12693.51	0	7522.522	8.271126E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2014	2	4.4982E+07	10.37765	12664.81	0	7509.576	8.298005E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2014	3	4.4982E+07	10.3732	12574.68	0	7460.597	8.38344E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2014	4	4.4982E+07	10.36305	12371.04	0	7444.024	8.582048E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2014	5	4.4982E+07	10.36096	12329.6	0	7324.046	8.623442E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2014	6	4.4982E+07	10.35879	12286.62	0	7302.966	8.66673E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2014	7	4.4982E+07	10.35639	12243.42	0	7281.88	8.710619E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2014	8	4.4982E+07	10.35455	12203.17	0	7262.517	8.751843E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2014	9	4.4982E+07	10.35255	12164.08	0	7243.666	8.7922E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2014	10	4.4982E+07	10.35007	12115.61	0	7219.34	8.84269E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2014	11	4.4982E+07	10.34829	12081.06	0	7203.135	8.878995E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	0	4.4982E+07	10.34673	12050.78	0	7189.596	8.911002E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	1	4.4982E+07	10.34515	12020.29	0	7175.908	8.943439E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	2	4.4982E+07	10.34374	11993.12	0	7163.748	8.972502E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	3	4.4982E+07	10.3393	11907.78	0	7117.233	9.064862E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	4	4.4982E+07	10.33914	11714.94	0	7006.224	9.279613E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	5	4.4982E+07	10.32705	11675.71	0	6987.38	9.324371E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	6	4.4982E+07	10.32488	11635.01	0	6967.478	9.371178E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	7	4.4982E+07	10.32269	11594.11	0	6947.574	9.418614E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	8	4.4982E+07	10.32064	11556	0	6929.313	9.463189E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	9	4.4982E+07	10.31865	11518.99	0	6911.532	9.506826E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	10	4.4982E+07	10.31616	11473.1	0	6888.534	9.56142E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	11	4.4982E+07	10.31438	11440.39	0	6873.275	9.60654E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	0	4.4982E+07	10.31282	11411.72	0	6860.565	9.635241E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	1	4.4982E+07	10.31125	11382.85	0	6847.713	9.670314E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	2	4.4982E+07	10.30979	11356.21	0	6835.892	9.702871E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	3	4.4982E+07	10.30535	11275.41	0	6791.717	9.802727E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	4	4.4982E+07	10.29519	11092.83	0	6685.989	1.003494E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	5	4.4982E+07	10.2931	11055.69	0	6668.222	1.008334E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	6	4.4982E+07	10.29093	11017.16	0	6649.435	1.013395E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	7	4.4982E+07	10.28874	10978.44	0	6630.652	1.018525E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	8	4.4982E+07	10.28669	10942.36	0	6613.436	1.023343E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	9	4.4982E+07	10.2847	10907.32	0	6596.669	1.02806E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	10	4.4982E+07	10.28221	10863.87	0	6574.929	1.033963E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	11	4.4982E+07	10.28044	10832.9	0	6560.567	1.038204E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	0	4.4982E+07	10.27888	10805.76	0	6548.645	1.041947E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	1	4.4982E+07	10.2773	10778.43	0	6536.585	1.045737E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	2	4.4982E+07	10.27589	10754.08	0	6525.875	1.049133E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	3	4.4982E+07	10.27145	10677.56	0	6483.905	1.059932E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	4	4.4982E+07	10.26129	10504.66	0	6383.157	1.085043E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	5	4.4982E+07	10.25921	10469.49	0	6366.406	1.090271E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	6	4.4982E+07	10.25703	10433.01	0	6348.675	1.095742E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	7	4.4982E+07	10.25484	10396.35	0	6330.953	1.101291E-04	2349096	3183897	1272427	1211178	798720.4</							

2018	1	4.4982E+07	10.24341	10206.98	0	6242.363	1.130709E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	2	4.4982E+07	10.242	10183.92	0	6232.321	1.134381E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	3	4.4982E+07	10.23756	10111.47	0	6192.443	1.146056E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	4	4.4982E+07	10.2274	9947.743	0	6096.418	1.173204E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	5	4.4982E+07	10.22531	9914.445	0	6080.63	1.178857E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	6	4.4982E+07	10.22314	9879.9	0	6063.897	1.184775E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	7	4.4982E+07	10.22095	9845.188	0	6047.179	1.190769E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	8	4.4982E+07	10.2189	9812.849	0	6031.886	1.196402E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	9	4.4982E+07	10.21691	9781.439	0	6016.988	1.201914E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	10	4.4982E+07	10.21443	9742.482	0	5997.563	1.208813E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	11	4.4982E+07	10.21265	9714.725	0	5984.854	1.213768E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2019	0	4.4982E+07	10.21109	9690.396	0	5974.379	1.218141E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2019	1	4.4982E+07	10.20952	9665.897	0	5963.778	1.222572E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2019	2	4.4982E+07	10.20811	9644.07	0	5954.368	1.226543E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2019	3	4.4982E+07	10.20367	9575.466	0	5916.471	1.239163E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2019	4	4.4982E+07	10.19351	9420.421	0	5824.917	1.268516E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2019	5	4.4982E+07	10.19142	9388.894	0	5810.042	1.274629E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2019	6	4.4982E+07	10.18925	9356.187	0	5794.255	1.281025E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2019	7	4.4982E+07	10.18706	9323.321	0	5778.488	1.287504E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2019	8	4.4982E+07	10.18502	9292.701	0	5764.08	1.293594E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2019	9	4.4982E+07	10.18302	9262.962	0	5750.042	1.299554E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2019	10	4.4982E+07	10.18054	9226.076	0	5731.684	1.30701E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2019	11	4.4982E+07	10.17877	9199.795	0	5719.735	1.312368E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	0	4.4982E+07	10.17721	9176.763	0	5709.928	1.317096E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	1	4.4982E+07	10.17563	9153.569	0	5699.998	1.321884E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	2	4.4982E+07	10.17417	9132.168	0	5690.873	1.326329E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	3	4.4982E+07	10.16973	9067.216	0	5654.856	1.339976E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	4	4.4982E+07	10.15958	8920.417	0	5567.549	1.371711E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	5	4.4982E+07	10.15749	8890.57	0	5553.538	1.378321E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	6	4.4982E+07	10.15532	8859.604	0	5538.648	1.385234E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	7	4.4982E+07	10.15313	8828.489	0	5523.781	1.39224E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	8	4.4982E+07	10.15109	8799.501	0	5510.213	1.398823E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	9	4.4982E+07	10.14909	8771.346	0	5496.991	1.405267E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	10	4.4982E+07	10.14661	8736.424	0	5479.643	1.413328E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	11	4.4982E+07	10.14484	8711.543	0	5468.415	1.419121E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	0	4.4982E+07	10.14328	8689.739	0	5459.241	1.42423E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	1	4.4982E+07	10.1417	8667.782	0	5449.947	1.429408E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	2	4.4982E+07	10.1403	8648.221	0	5441.703	1.434047E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	3	4.4982E+07	10.13585	8586.711	0	5407.458	1.448802E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	4	4.4982E+07	10.1257	8447.687	0	5324.153	1.483115E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	5	4.4982E+07	10.12361	8419.427	0	5310.959	1.490262E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	6	4.4982E+07	10.12144	8390.108	0	5296.917	1.497733E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	7	4.4982E+07	10.11926	8360.648	0	5282.903	1.505308E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	8	4.4982E+07	10.11721	8333.203	0	5270.129	1.512426E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	9	4.4982E+07	10.11522	8306.546	0	5257.679	1.519395E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	10	4.4982E+07	10.11273	8273.481	0	5241.286	1.528105E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	11	4.4982E+07	10.11096	8249.924	0	5230.74	1.534365E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2022	0	4.4982E+07	10.1094	8229.281	0	5222.164	1.539889E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2022	1	4.4982E+07	10.10783	8208.494	0	5213.472	1.545485E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2022	2	4.4982E+07	10.10642	8189.974	0	5205.764	1.550497E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2022	3	4.4982E+07	10.10198	8131.73	0	5173.201	1.56645E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2022	4	4.4982E+07	10.09183	8000.078	0	5093.691	1.603549E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2022	5	4.4982E+07	10.08974	7973.323	0	5081.272	1.611273E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	168952			

2022	11	4.4982E+07	10.07709	7812.836	0	5005.695	1.65895E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2023	0	4.4982E+07	10.07553	7793.292	0	4997.685	1.664919E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2023	1	4.4982E+07	10.07396	7773.613	0	4989.564	1.670963E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2023	2	4.4982E+07	10.07255	7756.079	0	4982.364	1.676384E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2023	3	4.4982E+07	10.06811	7700.928	0	4951.393	1.693629E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2023	4	4.4982E+07	10.05796	7576.255	0	4875.477	1.733741E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2023	5	4.4982E+07	10.05587	7550.923	0	4863.79	1.742087E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2023	6	4.4982E+07	10.0537	7524.641	0	4851.312	1.750821E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2023	7	4.4982E+07	10.05152	7498.231	0	4838.867	1.759672E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2023	8	4.4982E+07	10.04947	7473.628	0	4827.558	1.767984E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2023	9	4.4982E+07	10.04748	7449.732	0	4816.528	1.776121E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2023	10	4.4982E+07	10.045	7420.09	0	4801.898	1.786305E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2023	11	4.4982E+07	10.04323	7398.975	0	4792.609	1.793623E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2024	0	4.4982E+07	10.04167	7380.472	0	4785.135	1.800073E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2024	1	4.4982E+07	10.0401	7361.841	0	4777.554	1.806609E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2024	2	4.4982E+07	10.03864	7344.65	0	4770.596	1.812688E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2024	3	4.4982E+07	10.03542	7292.435	0	4741.136	1.831318E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2024	4	4.4982E+07	10.02405	7174.391	0	4668.632	1.874687E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2024	5	4.4982E+07	10.02196	7150.409	0	4657.641	1.883708E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2024	6	4.4982E+07	10.01979	7125.525	0	4645.883	1.893152E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2024	7	4.4982E+07	10.01761	7100.523	0	4634.163	1.902718E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2024	8	4.4982E+07	10.01556	7077.231	0	4623.528	1.911706E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2024	9	4.4982E+07	10.01357	7054.609	0	4613.154	1.9205E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2024	10	4.4982E+07	10.01109	7026.545	0	4599.336	1.931512E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2024	11	4.4982E+07	10.00932	7006.555	0	4590.626	1.939421E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2025	0	4.4982E+07	10.00776	6989.041	0	4583.661	1.946395E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2025	1	4.4982E+07	10.00619	6971.404	0	4576.591	1.953458E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2025	2	4.4982E+07	10.00479	6955.69	0	4570.328	1.959789E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2025	3	4.4982E+07	10.00335	6906.242	0	4542.292	1.979945E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2025	4	4.4982E+07	9.990191	6794.446	0	4473.006	2.026833E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2025	5	4.4982E+07	9.98811	6771.74	0	4462.671	2.036582E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2025	6	4.4982E+07	9.985941	6748.181	0	4451.595	2.046788E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2025	7	4.4982E+07	9.983754	6724.508	0	4440.56	2.05713E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2025	8	4.4982E+07	9.98171	6702.457	0	4430.563	2.066843E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2025	9	4.4982E+07	9.979719	6681.038	0	4420.81	2.076351E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2025	10	4.4982E+07	9.97724	6654.466	0	4407.76	2.088252E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2025	11	4.4982E+07	9.975468	6635.54	0	4399.598	2.096798E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2026	0	4.4982E+07	9.97391	6618.959	0	4393.113	2.104338E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2026	1	4.4982E+07	9.97234	6602.263	0	4386.527	2.11197E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2026	2	4.4982E+07	9.970936	6587.386	0	4380.695	2.118814E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2026	3	4.4982E+07	9.966496	6540.562	0	4354.011	2.140606E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2026	4	4.4982E+07	9.956344	6434.691	0	4287.775	2.191289E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2026	5	4.4982E+07	9.954261	6413.194	0	4278.063	2.201834E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2026	6	4.4982E+07	9.952093	6390.888	0	4267.631	2.212863E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2026	7	4.4982E+07	9.949907	6368.475	0	4257.245	2.224039E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2026	8	4.4982E+07	9.947864	6347.597	0	4247.833	2.234541E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2026	9	4.4982E+07	9.945873	6327.317	0	4238.686	2.244815E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2026	10	4.4982E+07	9.943395	6302.159	0	4226.364	2.257676E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2026	11	4.4982E+07	9.941623	6284.241	0	4218.721	2.266916E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2027	0	4.4982E+07	9.940066	6268.544	0	4212.69	2.275062E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2027	1	4.4982E+07	9.938496	6252.737	0	4206.563	2.283314E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2027	2	4.4982E+07	9.937093	6238.654	0	4201.14	2.290709E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2027	3	4.4982E+07	9.935654	6194.314	0	4175.735	2.314263E-04	2349096	3183897	1272427	1211178	798720.4							

2027	9	4.4982E+07	9.912035	5992.396	0	4066.24	2.426904E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2027	10	4.4982E+07	9.909556	5968.575	0	4054.606	2.440809E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2027	11	4.4982E+07	9.907785	5951.611	0	4047.455	2.450792E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	0	4.4982E+07	9.90623	5936.751	0	4041.855	2.459594E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	1	4.4982E+07	9.90466	5921.787	0	4036.162	2.468509E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	2	4.4982E+07	9.903208	5907.98	0	4030.946	2.476787E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	3	4.4982E+07	9.89877	5866	0	4006.756	2.502249E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	4	4.4982E+07	9.888618	5771.066	0	3946.151	2.56149E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	5	4.4982E+07	9.886538	5751.798	0	3937.586	2.573805E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	6	4.4982E+07	9.884372	5731.805	0	3928.345	2.586685E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	7	4.4982E+07	9.882187	5711.715	0	3919.155	2.599744E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	8	4.4982E+07	9.880145	5693.002	0	3910.877	2.612008E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	9	4.4982E+07	9.878156	5674.826	0	3902.792	2.624012E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	10	4.4982E+07	9.875678	5652.274	0	3891.812	2.63904E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	11	4.4982E+07	9.873907	5636.215	0	3885.126	2.649834E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2029	0	4.4982E+07	9.872353	5622.149	0	3879.935	2.659345E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2029	1	4.4982E+07	9.870783	5607.983	0	3874.653	2.668985E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2029	2	4.4982E+07	9.869381	5595.363	0	3869.983	2.677623E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2029	3	4.4982E+07	9.864944	5555.606	0	3846.938	2.705143E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2029	4	4.4982E+07	9.854793	5465.696	0	3788.917	2.769187E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2029	5	4.4982E+07	9.852713	5447.454	0	3780.881	2.782495E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2029	6	4.4982E+07	9.850547	5428.524	0	3772.188	2.796419E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2029	7	4.4982E+07	9.848363	5409.504	0	3763.547	2.810531E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2029	8	4.4982E+07	9.846322	5391.787	0	3755.782	2.823783E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2029	9	4.4982E+07	9.844333	5374.579	0	3748.196	2.836761E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2029	10	4.4982E+07	9.841856	5353.226	0	3737.833	.0002853	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2029	11	4.4982E+07	9.840087	5338.022	0	3731.588	2.864637E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	0	4.4982E+07	9.838532	5324.706	0	3726.783	2.87494E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	1	4.4982E+07	9.836964	5311.296	0	3721.89	2.885354E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	2	4.4982E+07	9.835562	5299.349	0	3717.567	2.894692E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	3	4.4982E+07	9.831126	5261.702	0	3695.607	2.924438E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	4	4.4982E+07	9.820975	5176.553	0	3640.039	2.993667E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	5	4.4982E+07	9.818895	5159.282	0	3632.502	3.008053E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	6	4.4982E+07	9.81673	5141.36	0	3624.328	3.0231E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	7	4.4982E+07	9.814548	5123.352	0	3616.209	3.038349E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	8	4.4982E+07	9.812507	5106.578	0	3608.93	3.052675E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	9	4.4982E+07	9.810519	5090.286	0	3601.815	3.066691E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	10	4.4982E+07	9.808043	5070.068	0	3592.037	3.084247E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	11	4.4982E+07	9.806273	5055.676	0	3586.209	3.096849E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	0	4.4982E+07	9.80472	5043.069	0	3581.77	3.107957E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	1	4.4982E+07	9.803152	5030.375	0	3577.245	3.119209E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	2	4.4982E+07	9.801752	5019.065	0	3573.25	3.12929E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	3	4.4982E+07	9.797317	4983.415	0	3552.318	3.161446E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	4	4.4982E+07	9.787167	4902.775	0	3499.072	3.236279E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	5	4.4982E+07	9.785088	4886.424	0	3492.009	3.251824E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	6	4.4982E+07	9.782923	4869.456	0	3484.325	3.26809E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	7	4.4982E+07	9.780741	4852.406	0	3476.7	3.284568E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	8	4.4982E+07	9.778701	4836.525	0	3469.881	3.300047E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	9	4.4982E+07	9.776713	4821.101	0	3463.213	3.315199E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	10	4.4982E+07	9.774239	4801.958	0	3453.989	3.334163E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	11	4.4982E+07	9.77247	4788.332	0	3448.556	3.347779E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2032	0	4.4982E+07	9.770918	4776.398	0	3444.463	3.359781E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2032	1	4.4982E+07	9.76935	4764.382	0	3440.287	3.371944E-04	2349096	3183897	1272427	1211178	798720.4							

2032	7	4.4982E+07	9.746895	4595.499	0	3344.485	3.55106E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2032	8	4.4982E+07	9.744856	4580.465	0	3338.101	3.567787E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2032	9	4.4982E+07	9.742869	4565.863	0	3331.856	3.584161E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2032	10	4.4982E+07	9.740395	4547.74	0	3323.157	3.604663E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2032	11	4.4982E+07	9.738627	4534.841	0	3318.098	3.619376E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	0	4.4982E+07	9.737076	4523.545	0	3314.333	3.632343E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	1	4.4982E+07	9.735509	4512.171	0	3310.488	3.645485E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	2	4.4982E+07	9.73411	4502.036	0	3307.097	3.657259E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	3	4.4982E+07	9.729676	4470.07	0	3288.063	3.694824E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	4	4.4982E+07	9.719527	4397.749	0	3239.098	3.782274E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	5	4.4982E+07	9.71745	4383.093	0	3232.908	3.800424E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	6	4.4982E+07	9.715288	4367.884	0	3226.13	3.81941E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	7	4.4982E+07	9.713107	4352.603	0	3219.416	3.838659E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	8	4.4982E+07	9.711069	4338.37	0	3213.444	3.856733E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	9	4.4982E+07	9.709084	4324.545	0	3207.6	3.874423E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	10	4.4982E+07	9.70661	4307.387	0	3199.397	3.896578E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	11	4.4982E+07	9.704844	4295.175	0	3194.692	3.912473E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2034	0	4.4982E+07	9.703293	4284.482	0	3191.238	3.926482E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2034	1	4.4982E+07	9.701727	4273.715	0	3187.705	3.940679E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2034	2	4.4982E+07	9.700329	4264.122	0	3184.593	3.953398E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2034	3	4.4982E+07	9.695896	4233.851	0	3166.431	3.990966E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2034	4	4.4982E+07	9.685748	4165.356	0	3119.438	4.088517E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2034	5	4.4982E+07	9.683672	4151.482	0	3113.649	4.108129E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2034	6	4.4982E+07	9.68151	4137.083	0	3107.288	4.128652E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2034	7	4.4982E+07	9.679331	4122.615	0	3100.992	4.149441E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2034	8	4.4982E+07	9.677294	4109.14	0	3095.411	4.168969E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2034	9	4.4982E+07	9.675308	4096.052	0	3089.946	4.188092E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2034	10	4.4982E+07	9.672836	4079.806	0	3082.213	4.212021E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2034	11	4.4982E+07	9.67107	4068.246	0	3077.843	4.229203E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	0	4.4982E+07	9.66952	4058.124	0	3074.683	4.244336E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	1	4.4982E+07	9.667955	4047.931	0	3071.446	4.259674E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	2	4.4982E+07	9.666558	4038.85	0	3068.598	4.273413E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	3	4.4982E+07	9.662127	4010.185	0	3051.263	4.317288E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	4	4.4982E+07	9.651979	3945.314	0	3006.135	4.419451E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	5	4.4982E+07	9.649904	3932.179	0	3000.728	4.440645E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	6	4.4982E+07	9.647743	3918.546	0	2994.761	4.462814E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	7	4.4982E+07	9.645565	3904.849	0	2988.862	4.485275E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	8	4.4982E+07	9.643529	3892.092	0	2983.65	4.506374E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	9	4.4982E+07	9.641544	3879.701	0	2978.544	4.527035E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	10	4.4982E+07	9.639072	3864.319	0	2971.255	4.552901E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	11	4.4982E+07	9.637308	3853.375	0	2967.203	4.571453E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	0	4.4982E+07	9.635759	3843.794	0	2964.321	4.587801E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	1	4.4982E+07	9.634195	3834.146	0	2961.364	4.60437E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	2	4.4982E+07	9.63275	3825.243	0	2958.674	4.619739E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	3	4.4982E+07	9.628319	3798.102	0	2942.123	4.667159E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	4	4.4982E+07	9.618174	3736.673	0	2898.767	4.77758E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	5	4.4982E+07	9.616099	3724.239	0	2893.72	4.800475E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	6	4.4982E+07	9.613939	3711.333	0	2888.127	4.824435E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	7	4.4982E+07	9.611762	3698.365	0	2882.604	4.848707E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	8	4.4982E+07	9.609727	3686.289	0	2877.743	4.871504E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	9	4.4982E+07	9.607744	3674.56	0	2872.977	4.893817E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	10	4.4982E+07	9.605273	3659.997	0	2866.11	4.921769E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	11	4.4982E+07	9.603509	3649.638	0	2862.358	4.941824E-04	2349096	3183897	1272427	1211178	79							

2037	5	4.4982E+07	9.582355	3527.639	0	2792.484	5.188739E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2037	6	4.4982E+07	9.580196	3515.42	0	2787.246	5.214626E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2037	7	4.4982E+07	9.57802	3503.144	0	2782.078	5.240848E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2037	8	4.4982E+07	9.575986	3491.711	0	2777.548	5.265478E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2037	9	4.4982E+07	9.574004	3480.607	0	2773.104	5.289584E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2037	10	4.4982E+07	9.571534	3466.819	0	2766.636	5.319784E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2037	11	4.4982E+07	9.569772	3457.012	0	2763.168	5.341438E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2038	0	4.4982E+07	9.568225	3448.428	0	2760.8	5.360516E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2038	1	4.4982E+07	9.566664	3439.784	0	2758.361	5.37984E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2038	2	4.4982E+07	9.565269	3432.083	0	2756.223	5.397168E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2038	3	4.4982E+07	9.560841	3407.741	0	2741.113	5.452533E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2038	4	4.4982E+07	9.550696	3352.632	0	2701.011	5.581522E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2038	5	4.4982E+07	9.548624	3341.487	0	2696.628	5.608246E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2038	6	4.4982E+07	9.546467	3329.919	0	2691.725	5.6362E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2038	7	4.4982E+07	9.544291	3318.297	0	2686.894	5.66453E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2038	8	4.4982E+07	9.542258	3307.473	0	2682.678	5.691139E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2038	9	4.4982E+07	9.540277	3296.96	0	2678.538	5.717181E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2038	10	4.4982E+07	9.537809	3283.906	0	2672.448	5.749798E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2038	11	4.4982E+07	9.536048	3274.623	0	2669.25	5.773188E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2039	0	4.4982E+07	9.534502	3266.498	0	2667.118	5.793796E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2039	1	4.4982E+07	9.532941	3258.316	0	2664.916	5.814681E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2039	2	4.4982E+07	9.531548	3251.026	0	2662.991	5.833385E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2039	3	4.4982E+07	9.527121	3227.974	0	2648.545	5.893211E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2039	4	4.4982E+07	9.516977	3175.778	0	2609.943	6.032612E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2039	5	4.4982E+07	9.514907	3165.227	0	2605.866	6.061469E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2039	6	4.4982E+07	9.51275	3154.276	0	2601.28	6.091683E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2039	7	4.4982E+07	9.510575	3143.272	0	2596.767	6.12289E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2039	8	4.4982E+07	9.508544	3133.026	0	2592.849	6.151021E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2039	9	4.4982E+07	9.506564	3123.073	0	2588.998	6.179154E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2039	10	4.4982E+07	9.504097	3110.714	0	2583.265	6.214392E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2039	11	4.4982E+07	9.502337	3101.926	0	2580.323	6.239646E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2040	0	4.4982E+07	9.500793	3094.236	0	2578.414	6.261904E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2040	1	4.4982E+07	9.499233	3086.491	0	2576.438	6.284449E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2040	2	4.4982E+07	9.497791	3079.345	0	2574.651	6.305371E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2040	3	4.4982E+07	9.493365	3057.518	0	2560.837	6.370024E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2040	4	4.4982E+07	9.483224	3008.088	0	2523.658	6.520675E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2040	5	4.4982E+07	9.481154	2998.1	0	2519.871	6.551853E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2040	6	4.4982E+07	9.478999	2987.733	0	2515.586	6.584481E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2040	7	4.4982E+07	9.476827	2977.317	0	2511.375	6.617533E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2040	8	4.4982E+07	9.474796	2967.617	0	2507.738	6.648576E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2040	9	4.4982E+07	9.472817	2958.196	0	2504.161	6.67897E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2040	10	4.4982E+07	9.470352	2946.495	0	2498.767	6.717028E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2040	11	4.4982E+07	9.468593	2938.176	0	2496.066	6.744325E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2041	0	4.4982E+07	9.46705	2930.898	0	2494.369	6.768354E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2041	1	4.4982E+07	9.465491	2923.568	0	2492.606	6.792708E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2041	2	4.4982E+07	9.4641	2917.037	0	2491.072	6.814527E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2041	3	4.4982E+07	9.459675	2896.365	0	2477.851	6.884386E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2041	4	4.4982E+07	9.449534	2849.542	0	2442.015	7.047186E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2041	5	4.4982E+07	9.447467	2840.088	0	2438.502	7.08085E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2041	6	4.4982E+07	9.445313	2830.272	0	2434.501	7.116098E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2041	7	4.4982E+07	9.443141	2820.411	0	2430.576	7.151804E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2041	8	4.4982E+07	9.441112	2811.229	0	2427.206	7.18335E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2041	9	4.4982E+07	9.439135	2802.31	0	2423.887	7.218152E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689			

2042	3	4.4982E+07	9.426	2743.773	0	2399.273	7.440019E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	4	4.4982E+07	9.413861	2699.422	0	2364.71	7.615926E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	5	4.4982E+07	9.413795	2690.472	0	2361.457	7.63229E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	6	4.4982E+07	9.411641	2681.179	0	2357.725	7.690365E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	7	4.4982E+07	9.409472	2671.844	0	2354.071	7.728919E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	8	4.4982E+07	9.407444	2663.151	0	2350.953	7.765122E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	9	4.4982E+07	9.405468	2654.708	0	2347.879	7.800569E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	10	4.4982E+07	9.403005	2644.219	0	2343.109	7.844984E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	11	4.4982E+07	9.401249	2636.766	0	2340.833	7.876795E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2043	0	4.4982E+07	9.399708	2630.245	0	2339.548	7.904824E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2043	1	4.4982E+07	9.398152	2623.679	0	2338.178	7.933215E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2043	2	4.4982E+07	9.396764	2617.829	0	2336.993	7.958646E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2043	3	4.4982E+07	9.392342	2599.289	0	2324.871	8.04018E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2043	4	4.4982E+07	9.382204	2557.28	0	2291.513	8.230258E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2043	5	4.4982E+07	9.380138	2548.806	0	2288.506	8.269537E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2043	6	4.4982E+07	9.377987	2540.009	0	2285.029	8.310647E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2043	7	4.4982E+07	9.375818	2531.171	0	2281.631	8.352292E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2043	8	4.4982E+07	9.373793	2522.943	0	2278.752	8.391378E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2043	9	4.4982E+07	9.371819	2514.95	0	2275.91	8.429646E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2043	10	4.4982E+07	9.369357	2505.019	0	2271.427	8.477606E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2043	11	4.4982E+07	9.367801	2497.964	0	2269.377	8.511983E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	0	4.4982E+07	9.366063	2491.793	0	2268.251	8.542216E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	1	4.4982E+07	9.36451	2485.578	0	2267.062	8.572858E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	2	4.4982E+07	9.363072	2479.844	0	2266.003	8.601303E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	3	4.4982E+07	9.358631	2462.288	0	2254.387	8.689403E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	4	4.4982E+07	9.348516	2422.502	0	2222.174	8.89479E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	5	4.4982E+07	9.346453	2414.482	0	2219.399	8.937181E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	6	4.4982E+07	9.344302	2406.154	0	2216.164	8.981591E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	7	4.4982E+07	9.342135	2397.788	0	2213.01	9.026558E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	8	4.4982E+07	9.340111	2389.999	0	2210.356	9.068779E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	9	4.4982E+07	9.338139	2382.433	0	2207.734	9.110097E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	10	4.4982E+07	9.335678	2373.031	0	2203.524	9.161909E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	11	4.4982E+07	9.333923	2366.354	0	2201.667	9.198998E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	0	4.4982E+07	9.332388	2360.514	0	2200.712	9.231652E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	1	4.4982E+07	9.330835	2354.633	0	2199.695	9.264746E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	2	4.4982E+07	9.32945	2349.393	0	2198.824	9.294384E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	3	4.4982E+07	9.32803	2332.766	0	2187.686	9.389541E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	4	4.4982E+07	9.314896	2295.075	0	2156.551	9.611456E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	5	4.4982E+07	9.312834	2287.483	0	2153.998	9.657242E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	6	4.4982E+07	9.310685	2279.599	0	2150.991	9.705186E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	7	4.4982E+07	9.308519	2271.679	0	2148.066	9.753755E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	8	4.4982E+07	9.306498	2264.306	0	2145.627	9.799313E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	9	4.4982E+07	9.304526	2257.144	0	2143.212	9.843938E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	10	4.4982E+07	9.302068	2248.243	0	2139.26	9.89988E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	11	4.4982E+07	9.300316	2241.922	0	2137.587	9.939935E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	0	4.4982E+07	9.29878	2236.395	0	2136.793	9.975175E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	1	4.4982E+07	9.297723	2230.829	0	2135.938	1.001089E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	2	4.4982E+07	9.295845	2225.87	0	2135.213	1.004289E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	3	4.4982E+07	9.291428	2210.123	0	2124.528	1.014567E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	4	4.4982E+07	9.281294	2174.419	0	2094.416	1.038543E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	5	4.4982E+07	9.279234	2167.232	0	2092.071	1.043486E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	6	4.4982E+07	9.277088	2159.769	0	2089.281	1.048659E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	7	4.4982E+07	9.274924	2152.271	0	2086.573	1.053903E-03	2349096	3183897	1272427	1211178								

2047	1	4.4982E+07	9.263644	2113.604	0	2075.57	1.081663E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2047	2	4.4982E+07	9.262261	2108.912	0	2074.981	1.085116E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2047	3	4.4982E+07	9.257846	2093.998	0	2064.726	1.096216E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2047	4	4.4982E+07	9.247714	2060.176	0	2035.583	1.122117E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2047	5	4.4982E+07	9.245655	2053.372	0	2033.435	1.127454E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2047	6	4.4982E+07	9.243511	2046.307	0	2030.85	1.133039E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2047	7	4.4982E+07	9.241349	2039.209	0	2028.349	.0011387	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2047	8	4.4982E+07	9.239329	2032.602	0	2026.304	1.144013E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2047	9	4.4982E+07	9.237362	2026.185	0	2024.273	1.149213E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2047	10	4.4982E+07	9.234907	2018.206	0	2020.796	1.155733E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2047	11	4.4982E+07	9.233159	2012.543	0	2019.462	1.160399E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2048	0	4.4982E+07	9.231627	2007.594	0	2018.965	1.164503E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2048	1	4.4982E+07	9.230081	2002.609	0	2018.409	1.168662E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2048	2	4.4982E+07	9.22865	1998.01	0	2017.934	1.172522E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2048	3	4.4982E+07	9.224236	1983.887	0	2008.086	1.184511E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2048	4	4.4982E+07	9.214107	1951.852	0	1979.863	1.212492E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2048	5	4.4982E+07	9.212051	1945.412	0	1977.903	1.21825E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2048	6	4.4982E+07	9.209908	1938.724	0	1975.512	1.224282E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2048	7	4.4982E+07	9.207748	1932.006	0	1973.205	1.230392E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2048	8	4.4982E+07	9.205731	1925.753	0	1971.342	1.236126E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2048	9	4.4982E+07	9.203766	1919.678	0	1969.488	1.241738E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2048	10	4.4982E+07	9.201313	1912.125	0	1966.229	1.248778E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2048	11	4.4982E+07	9.199566	1906.766	0	1965.052	1.253817E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2049	0	4.4982E+07	9.198036	1902.082	0	1964.692	1.258246E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2049	1	4.4982E+07	9.196491	1897.365	0	1964.274	1.262734E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2049	2	4.4982E+07	9.195111	1893.163	0	1963.938	1.266757E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2049	3	4.4982E+07	9.1907	1879.786	0	1954.474	1.279704E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2049	4	4.4982E+07	9.180572	1849.435	0	1927.117	1.309928E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2049	5	4.4982E+07	9.178517	1843.34	0	1925.334	1.316145E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2049	6	4.4982E+07	9.176377	1837.009	0	1923.127	1.322653E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2049	7	4.4982E+07	9.174219	1830.649	0	1921.005	1.329249E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2049	8	4.4982E+07	9.172204	1824.73	0	1919.314	1.335437E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2049	9	4.4982E+07	9.17024	1818.98	0	1917.627	1.341495E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2049	10	4.4982E+07	9.167789	1811.829	0	1914.575	1.349095E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2049	11	4.4982E+07	9.166045	1806.756	0	1913.546	1.35453E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2050	0	4.4982E+07	9.164517	1802.525	0	1913.315	1.359308E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2050	1	4.4982E+07	9.162974	1797.861	0	1913.028	1.364151E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2050	2	4.4982E+07	9.161596	1793.885	0	1912.808	1.368491E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2050	3	4.4982E+07	9.157187	1781.215	0	1903.708	1.382471E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2050	4	4.4982E+07	9.14706	1752.461	0	1877.174	1.415117E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2050	5	4.4982E+07	9.145009	1746.692	0	1875.559	1.421824E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2050	6	4.4982E+07	9.14287	1740.698	0	1873.526	1.428851E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2050	7	4.4982E+07	9.140715	1734.678	0	1871.579	1.435967E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2050	8	4.4982E+07	9.138701	1729.075	0	1870.051	1.442645E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2050	9	4.4982E+07	9.13674	1723.632	0	1868.521	1.449183E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2050	10	4.4982E+07	9.134292	1716.862	0	1865.667	1.457383E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2050	11	4.4982E+07	9.132549	1712.062	0	1864.777	1.463248E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2051	0	4.4982E+07	9.131023	1707.868	0	1864.669	1.468403E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2051	1	4.4982E+07	9.129482	1703.644	0	1864.505	1.473628E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2051	2	4.4982E+07	9.128107	1699.882	0	1864.396	1.478307E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2051	3	4.4982E+07	9.12699	1687.882	0	1855.64	1.493402E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2051	4	4.4982E+07	9.123575	1680.641	0	1829.885	1.528661E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2051	5	4.4982E+07	9.111526	1655.179	0	1828.429	1.535899E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522</			

2051	11	4.4982E+07	9.099079	1622.399	0	1818.599	1.580598E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2052	0	4.4982E+07	9.097556	1618.431	0	1818.608	1.586157E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2052	1	4.4982E+07	9.096018	1614.434	0	1818.561	1.59179E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

Acidic Pumpage Into Pit

*** MINEWALL 2.0 REPORT ***

BELL MINE PIT

Printed on 04-09-1995 at 15:28:35

** INPUT DATA **

OPERATION:

Simulations were performed on a Monthly Basis:
Starting Month/Year is 1/ 1985
Ending Month/Year is 4/ 1992

CLOSURE:

Simulations were performed on a Monthly Basis:
Starting Month/Year is 5/ 1992
Ending Month/Year is 1/ 2052

Geochemical Parameters in this simulation were:

pH Alk (mg/L) Acid (mg/L) SO4 (mg/L) Cu (mg/L)

Geochemical/Rock Units and their physicochemical characteristics were:

Unit Name	BFP	BBFP	QFP	TUFP	SRDS
Unit #	1	2	3	4	5
Rate - Control	1: TIME*[F]	1: TIME*[F]	1: TIME*[F]	1: TIME*[F]	1: TIME*[F]
- max 'd', m	.01	.01	.01	.01	.01
Years Exposed	6	6	17	10	12
Wall Area, m ²	141000	84500	56300	169000	113000
- %Area Sloping	50	50	50	50	50
- Slope Angle	40	40	40	40	40
Ratio Total/Wall	28	28	28	28	28
- %Flushed Reg	18	18	18	18	18
- %Flushed Per	2	2	2	2	2
- %Not Flushed	80	80	80	80	80
Reactive %S	2	2	2	2	2
React ppt CaCO ₃	40	40	40	40	40
Spec. Grav.	2.8	2.8	2.8	2.8	2.8
React Cu (ppm)	1900	1900	174	700	737

For each Geochemical Unit, the FACTOR in the rate-control equation was:

Unit	1	2	3	4	5
Factor	-.1	-.1	-.1	-.1	-.1

Periodic, non-regular fracture flushing over an annual period was:

Time	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	1	1	1	1	1
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	1	1	1	1	1
12	0	0	0	0	0

The following rates are decreased to 0 % when the Units are submerged

For each Geochemical Unit, the following rate information was used:

UNIT # 1

Inputted Data:

Month	Flow (m ³ /d)	SO4 mg/m ² /d	Acid mg/m ² /d	NP mg/m ² /d	pH	Cu mg/m ² /d
1	0	21.7	21.7	69.4	7.1	.00213
2	0	21.7	21.7	69.4	7.1	.00213
3	0	21.7	21.7	69.4	7.1	.00213
4	0	21.7	21.7	69.4	7.1	.00213
5	0	21.7	21.7	69.4	7.1	.00213
6	0	21.7	21.7	69.4	7.1	.00213
7	0	21.7	21.7	69.4	7.1	.00213
8	0	21.7	21.7	69.4	7.1	.00213
9	0	21.7	21.7	69.4	7.1	.00213
10	0	21.7	21.7	69.4	7.1	.00213
11	0	21.7	21.7	69.4	7.1	.00213
12	0	21.7	21.7	69.4	7.1	.00213

Adjusted Fresh Rates (at time of initial exposure):

* FLO/CONC/RATE Unit # 0

Month	Flow (m ³ /d)	SO4 mg/m ² /d	Acid mg/m ² /d	NP mg/m ² /d	pH	Cu mg/m ² /d
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03

UNIT # 2

Inputted Data:

Month	Flow (m ³ /d)	SO4 mg/m ² /d	Acid mg/m ² /d	NP mg/m ² /d	pH	Cu mg/m ² /d
1	0	47.7	47.7	115	7.3	.00349
2	0	47.7	47.7	115	7.3	.00349
3	0	47.7	47.7	115	7.3	.00349

4	0	47.7	47.7	115	7.3	.00349
5	0	47.7	47.7	115	7.3	.00349
6	0	47.7	47.7	115	7.3	.00349
7	0	47.7	47.7	115	7.3	.00349
8	0	47.7	47.7	115	7.3	.00349
9	0	47.7	47.7	115	7.3	.00349
10	0	47.7	47.7	115	7.3	.00349
11	0	47.7	47.7	115	7.3	.00349
12	0	47.7	47.7	115	7.3	.00349

Adjusted Fresh Rates (at time of initial exposure):

* FLO/CONC/RATE Unit # 0	Month	Flow (m ³ /d)	SO4 mg/m ² /d	Acid mg/m ² /d	NP mg/m ² /d	pH	Cu mg/m ² /d
	8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
	8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
	8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
	8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
	8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
	8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
	8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
	8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
	8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
	8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
	8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
	8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03

UNIT # 3

Inputted Data:

* FLO/CONC/RATE Unit # 0	Month	Flow (m ³ /d)	SO4 mg/m ² /d	Acid mg/m ² /d	NP mg/m ² /d	pH	Cu mg/m ² /d
	1	0	28.6	28.6	57.9	7.2	.00604
	2	0	28.6	28.6	57.9	7.2	.00604
	3	0	28.6	28.6	57.9	7.2	.00604
	4	0	28.6	28.6	57.9	7.2	.00604
	5	0	28.6	28.6	57.9	7.2	.00604
	6	0	28.6	28.6	57.9	7.2	.00604
	7	0	28.6	28.6	57.9	7.2	.00604
	8	0	28.6	28.6	57.9	7.2	.00604
	9	0	28.6	28.6	57.9	7.2	.00604
	10	0	28.6	28.6	57.9	7.2	.00604
	11	0	28.6	28.6	57.9	7.2	.00604
	12	0	28.6	28.6	57.9	7.2	.00604

Adjusted Fresh Rates (at time of initial exposure):

* FLO/CONC/RATE Unit # 0	Month	Flow (m ³ /d)	SO4 mg/m ² /d	Acid mg/m ² /d	NP mg/m ² /d	pH	Cu mg/m ² /d
	8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
	8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
	8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
	8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
	8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
	8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
	8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
	8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
	8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
	8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
	8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
	8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02

UNIT # 4

Inputted Data:

* FLO/CONC/RATE Unit # 0	Month	Flow (m ³ /d)	SO4 mg/m ² /d	Acid mg/m ² /d	NP mg/m ² /d	pH	Cu mg/m ² /d
	1	0	286	286	253	6.4	.044
	2	0	286	286	253	6.4	.044
	3	0	286	286	253	6.4	.044
	4	0	286	286	253	6.4	.044
	5	0	286	286	253	6.4	.044
	6	0	286	286	253	6.4	.044
	7	0	286	286	253	6.4	.044
	8	0	286	286	253	6.4	.044
	9	0	286	286	253	6.4	.044
	10	0	286	286	253	6.4	.044
	11	0	286	286	253	6.4	.044
	12	0	286	286	253	6.4	.044

Adjusted Fresh Rates (at time of initial exposure):

* FLO/CONC/RATE Unit # 0	Month	Flow (m ³ /d)	SO4 mg/m ² /d	Acid mg/m ² /d	NP mg/m ² /d	pH	Cu mg/m ² /d
	8	0	649.5242	649.5242	574.5791	14.53481	.0999268
	8	0	649.5242	649.5242	574.5791	14.53481	.0999268
	8	0	649.5242	649.5242	574.5791	14.53481	.0999268
	8	0	649.5242	649.5242	574.5791	14.53481	.0999268
	8	0	649.5242	649.5242	574.5791	14.53481	.0999268
	8	0	649.5242	649.5242	574.5791	14.53481	.0999268
	8	0	649.5242	649.5242	574.5791	14.53481	.0999268
	8	0	649.5242	649.5242	574.5791	14.53481	.0999268
	8	0	649.5242	649.5242	574.5791	14.53481	.0999268
	8	0	649.5242	649.5242	574.5791	14.53481	.0999268
	8	0	649.5242	649.5242	574.5791	14.53481	.0999268
	8	0	649.5242	649.5242	574.5791	14.53481	.0999268

UNIT # 5

Inputted Data:

* FLO/CONC/RATE Unit # 0	Month	Flow (m ³ /d)	SO4 mg/m ² /d	Acid mg/m ² /d	NP mg/m ² /d	pH	Cu mg/m ² /d
	1	0	27.9	27.9	45.2	7	.126
	2	0	27.9	27.9	45.2	7	.126
	3	0	27.9	27.9	45.2	7	.126
	4	0	27.9	27.9	45.2	7	.126
	5	0	27.9	27.9	45.2	7	.126
	6	0	27.9	27.9	45.2	7	.126
	7	0	27.9	27.9	45.2	7	.126
	8	0	27.9	27.9	45.2	7	.126
	9	0	27.9	27.9	45.2	7	.126
	10	0	27.9	27.9	45.2	7	.126

Time	Precip (m/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
1	.0000774	5	0	0	0	0
2	.0000607	5	0	0	0	0
3	.0001322	5	0	0	0	0
4	.00043	5	0	0	0	0
5	.001293	5	0	0	0	0
6	.00164	5	0	0	0	0
7	.00153	5	0	0	0	0
8	.00121	5	0	0	0	0
9	.00126	5	0	0	0	0
10	.00114	5	0	0	0	0
11	.000377	5	0	0	0	0
12	.0000548	5	0	0	0	0
* CLOSURE						
Time	Precip (m/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
5	.00125	5	0	0	0	0
6	.00164	5	0	0	0	0
7	.00153	5	0	0	0	0
8	.00121	5	0	0	0	0
9	.00126	5	0	0	0	0

10	.00114	5	0	0	0	0
11	.000377	5	0	0	0	0
12	.0000548	5	0	0	0	0
1	.0000774	5	0	0	0	0
2	.0000607	5	0	0	0	0
3	.000132	5	0	0	0	0
4	.00043	5	0	0	0	0

* PIT SATUR GW

* OPERATION

Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
1	1009	7	200	10	100	.005
2	1009	7	200	10	100	.005
3	1009	7	200	10	100	.005
4	1009	7	200	10	100	.005
5	1009	7	200	10	100	.005
6	1009	7	200	10	100	.005
7	1009	7	200	10	100	.005
8	1009	7	200	10	100	.005
9	1009	7	200	10	100	.005
10	1009	7	200	10	100	.005
11	1009	7	200	10	100	.005
12	1009	7	200	10	100	.005

* CLOSURE

Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
5	1009	7	200	10	100	.005
6	1009	7	200	10	100	.005
7	1009	7	200	10	100	.005
8	1009	7	200	10	100	.005
9	1009	7	200	10	100	.005
10	1009	7	200	10	100	.005
11	1009	7	200	10	100	.005
12	1009	7	200	10	100	.005
1	1009	7	200	10	100	.005
2	1009	7	200	10	100	.005
3	1009	7	200	10	100	.005
4	1009	7	200	10	100	.005

* PIT RUNOFF

* OPERATION

Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	1710	0	0	0	0	0
4	5290	0	0	0	0	0
5	0	0	0	0	0	0
6	0	0	0	0	0	0
7	0	0	0	0	0	0
8	0	0	0	0	0	0
9	0	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0

* CLOSURE

Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
5	0	0	0	0	0	0
6	0	0	0	0	0	0
7	0	0	0	0	0	0
8	0	0	0	0	0	0
9	0	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	1710	0	0	0	0	0
4	5290	0	0	0	0	0

* PIT EVAP

* OPERATION

Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	0	0	0	0	0	0
4	0	0	0	0	0	0
5	-416	0	0	0	0	0
6	-547	0	0	0	0	0
7	-510	0	0	0	0	0
8	-403	0	0	0	0	0
9	-420	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0

* CLOSURE

Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
5	-416	0	0	0	0	0
6	-547	0	0	0	0	0
7	-510	0	0	0	0	0
8	-403	0	0	0	0	0
9	-420	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	0	0	0	0	0	0
4	0	0	0	0	0	0

* PIT PUMP #1

* OPERATION

Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	0	0	0	0	0	0
4	0	0	0	0	0	0
5	0	0	0	0	0	0
6	0	0	0	0	0	0
7	0	0	0	0	0	0
8	0	0	0	0	0	0
9	0	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0

* CLOSURE

Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
5	3400	2.5	0	3420	10000	781
6	3400	2.5	0	3420	10000	781
7	3400	2.5	0	3420	10000	781
8	3400	2.5	0	3420	10000	781
9	3400	2.5	0	3420	10000	781
10	3400	2.5	0	3420	10000	781
11	3400	2.5	0	3420	10000	781
12	3400	2.5	0	3420	10000	781
1	3400	2.5	0	3420	10000	781
2	3400	2.5	0	3420	10000	781
3	3400	2.5	0	3420	10000	781
4	3400	2.5	0	3420	10000	781

* PIT PUMP #2

* OPERATION

Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	0	0	0	0	0	0
4	0	0	0	0	0	0
5	0	0	0	0	0	0
6	0	0	0	0	0	0
7	0	0	0	0	0	0
8	0	0	0	0	0	0
9	0	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0

* CLOSURE

Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
5	0	0	0	0	0	0
6	0	0	0	0	0	0
7	0	0	0	0	0	0
8	0	0	0	0	0	0
9	0	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	0	0	0	0	0	0
4	0	0	0	0	0	0

During Operation, Pump #2 was adjusted to obtain no net accumulation of water

== SIMULATION RESULTS ==

* OPERATION *

Non-cumulative Total Loadings and Flows Per Time Interval:

YEAR	Month	Flow (m ³ /m)	pH(mg/interval)	Alk(mg/m)	Acid(mg/m)	SO ₄ (mg/m)	Cu (mg/m)	1:S rem.(kg)	1:NP rem.(kg)	2:S rem.(kg)	2:NP rem.(kg)	3:S rem.(kg)	3:NP rem.(kg)	4:S rem.(kg)	4:NP rem.(kg)	5:S rem.(kg)	5:NP (kg)	Pump #2(m ³ /d)	Water Elev (m)
1985	1	161193.8	1.118759E+09	6.549623E+10	2.630557E+10	4.038113E+10	6748415	2467390	4318822	1420453	2281818	897638.9	1306606	900051.2	470434.8	1876318	3277518	-161193.8	475
1985	2	144659.2	1.005816E+09	5.914282E+10	2.375023E+10	3.64636E+10	6093347	2466460	4309902	1419229	2272959	897149.2	1300632	915356.2	431436.2	1875360	3272859	-144659.2	475
1985	3	376631.4	1.135747E+09	6.546054E+10	2.628272E+10	4.035829E+10	6743704	2465432	4300032	1417874	2263158	896607.1	1300340	899095.8	388277.9	1874299	3267703	-376631.4	475
1985	4	811950	1.18845E+09	7.803752E+10	3.605822E+10	4.967972E+10	9088607	2464437	4290488	1416563	2253680	896082.7	1297155	883362.3	346528.6	1873272	3262714	-811950	475
1985	5	197873	1.495595E+09	6.542412E+10	2.625938E+10	4.033495E+10	6738877	2463410	4280632	1415210	2243893	895541	1293864	867113.4	303406.2	1872212	3257561	-197873	475
1985	6	200520	1.55145E+09	6.329677E+10	2.540145E+10	3.902297E+10	6519250	2462416	4271101	1413902	2234428	895016.8	1290681	851395	261691.7	1871186	3252576	-200520	475
1985	7	203825	1.569065E+09	6.538813E+10	2.626269E+10	4.031185E+10	6734099	2461390	4261259	1412550	2224654	894475.3	1287392	835159.6	218605.1	1870127	3247427	-203825	475
1985	8	193936	1.469865E+09	6.536974E+10	2.622446E+10	4.030001E+10	6731650	2460365	4251424	1411200	2214887	893934	1284104	818931.1	175536.8	1869068	3242279	-193936	475
1985	9	189150	1.43745E+09	6.324446E+10	2.536785E+10	3.898937E+10	6512289	2459374	4241912	1409894	2205441	893410.1	1280923	803232.3	133874.3	1868043	3237299	-189150	475
1985	10	227075	1.448165E+09	6.533442E+10	2.620175E+10	4.02773E+10	6726944	2458350	4232090	1408545	2195687	892869.1	1277637	787017.2	90841.19	1866985	3232155	-227075	475
1985	11	173970	1.17255E+09	8.93596E+10	4.426167E+10	5.788316E+10	1.107138E+07	2457360	4222590	1407241	2186253	892345.5	1274457	771331.2	49212.6	1865961	3227179	-173970	475
1986	0	159792.6	1.111753E+09	6.529959E+10	2.617931E+10	4.025485E+10	6722271	2456338	4212781	1405894	2176312	891804.7	1271172	755129.2	6214.369	1864903	3222038	-159792.6	475
1986	1	161193.8	1.118759E+09	6.211566E+10	2.604322E+10	4.011871E+10	6693837	2455323	4203048	1404558	2166847	891265.5	1267898	739007.3	-1.85856	1863850	3216919	-161193.8	475
1986	2	144659.2	1.005816E+09	4.486988E+10	2.351435E+10	3.622775E+10	6044254	2454408	4194262	1403352	2158123	890778.6	1264940	724450.6	-1.85856	1862899	3212296	-144659.2	475
1986	3	376631.4	1.135747E+09	4.966695E+10	2.602303E+10	4.009854E+10	6689594	2453395	4184541	1402017	2148469	890239.6	1261667	708340.7	-1.85856	1861846	3207180	-376631.4	475
1986	4	811950	1.18845E+09	5.974644E+10	3.843111E+10	5.205269E+10	9673179	2452414	4175139	1400726	2139132	889718.2	1258300	692756.1	-1.85856	1860628	3202231	-811950	475
1986	5	197873	1.495595E+09	4.964694E+10	2.600234E+10	4.007789E+10	6685253	2451403	4165430	1399393	2129490	889179.5	1255228	676658.4	-1.85856	1859776	3197119	-197873	475
1986	6	200520	1.55145E+09	4.800616E+10	2.515395E+10	3.877548E+10	6467579	2450424	4156039	1398103	2120165	888658.2	1252062	661085.7	-1.85856	1858758	3192173	-200520	475
1986	7	203825	1.569065E+09	4.962719E+10	2.59819E+10	4.005745E+10	6680947	2449413	4146341	1396772	2110534	888119.8	1248792	645000.1	-1.85856	1857707	3187064	-203825	475
1986	8	193936	1.469865E+09	4.961707E+10	2.597144E+10	4.004698E+10	6678741	2448403	4136649	1395441	2100909	887581.4	1245522	628920.8	-1.85856	1856656	3181956	-193936	475
1986	9	189150	1.43745E+09	4.800743E+10	2.512419E+10	3.874567E+10	6461295	2447425	4127274	1394154	2091599	887060.5	1242359	613365.8	-1.85856	1855640	3177014	-189150	475
1986	10	227075	1.448165E+09	4.959708E+10	2.595126E+10	4.002682E+10	6674479	2446416	4117593	1392825	2081985	886522.4	1239091	597298.5	-1.85856	1854590	3171910	-227075	475
1986	11	173970	1.17255E+09	6.205488E+10	4.382627E+10	5.744776E+10	1.098023E+07	2445441	4108229	1391539	2072686	886001.8	1235929	581755.1	-1.85856	1853574	3166972	-173970	475
1987	0	159792.6	1.111753E+09	4.957852E+10	2.593131E+10	4.000686E+10	6670260	2444433	4098359	1390211	2063083	885464.1	1232662	565699.6	-1.85856	1852524	3161871	-159792.6	475
1987	1	161193.8	1.118759E+09	4.946298E+10	2.580985E+10	3.988542E+10	6644490	2443432	4088955	1388893	2053546	884927.7	1229405	549716.8	-1.85856	1851479	3156789	-161193.8	475
1987	2	144659.2	1.005816E+09	4.466903E+10	2.330447E+10	3.601786E+10	5999848	2442528	4080285	1387702	2044936	884443.4	1226464	535285.4	-1.85856	1850535	3152201	-144659.2	475
1987	3	376631.4	1.135747E+09	4.944594E+10	2.579175E+10	3.98673E+10	6640639	2441528	4070691	1386385	2035408	883907.3	1223208	51913.5	-1.85856	1849490	3147122	-376631.4	475
1987	4	811950	1.18845E+09	5.769163E+10	3.808112E+10	5.170264E+10	9599107	2440561	4061411	1385111	2026193	883388.6	1220058	503862	-1.85856	1848479	3142209	-811950	475
1987	5	197873	1.495595E+09	4.942833E+10	2.577326E+10	3.984879E+10	6636085	2439562	4051827	1383795	2016675	882852.7	1216803	487901.2	-1.85856	1847435	3137134	-197873	475
1987	6	200520	1.55145E+09	4.782594E+10	2.493324E+10	3.855476E+10	6420757	2438595	4042556	1382522	2007469	882334.3	1213654	472460.5	-1.85856	1846424	3132223	-200520	475
1987	7	203825	1.569065E+09	4.941126E+10	2.575487E+10	3.983043E+10	6632759	2437598	4032982	1381207	1997961	881798.7	1210401	456510.8	-1.85856	1845381	3127151	-203825	475
1987	8	193936	1.469865E+09	4.940243E+10	2.574545E+10	3.982101E+10	6630752	2436600	4023413	1379894	1988458	881263.2	1207149	440566.8	-1.85856	1844338	3122080	-193936	475
1987	9	189150	1.43745E+09	4.780084E+10	2.490648E+10	3.852796E+10	6413033	2435636	4014157	1378623	1979266	880745.1	1204003	425142.2	-1.85856	1843328	3117174	-189150	475
1987	10	227075	1.448165E+09	4.938548E+10	2.572734E+10	3.98029E+10	6626877	2434639	4004597	1377310	1969773	880209.8	1200752	409209.2	-1.85856	1842285	3112106	-227075	475
1987	11	173970	1.17255E+09	6.168597E+10	4.343719E+10	5.705866E+10	1.089752E+07	2433675	3995350	1376041	1960591	879691.9	1197606	393795.1	-1.85856	1841277	3107203	-173970	475
1988	0	159792.6	1.111753E+09	4.936869E+10	2.57094E+10	3.978493E+10	6623028	2432680	3985801	1374729	1951107	879157	1194357	377872.9	-1.85856	1840235	3102138	-159792.6	475
1988	1	161193.8	1.118759E+09	4.926706E+10	2.559976E+10	3.967529E+10	6599457	2431691	3976309	1373426	1941681	878623.4	1191117	362017.1	-1.85856	1839196	3097091	-161193.8	475
1988	2	144659.2	1.005816E+09	4.468193E+10	2.3941E+10	3.710845E+10	6172146	2430766	3967433	1372208	1932686	878124.3	1189086	347188.6	-1.85856	1838225	3092371	-144659.2	475
1988	3	376631.4	1.135747E+09	4.925198E+10	2.558338E+10	3.965891E+10	6595929	2429777	3957949	1370905	1923449	877590.9	1184846	331342.7	-1.85856	1837188	3087327	-376631.4	475
1988	4	811950	1.18845E+09	5.746237E+10	3.785192E+10	5.147342E+10	9552324	2428821	3948776	1369646	1914339	877075	1181712	316012.8	-1.85856	1836184	3082448	-811950	475
1988	5	197873	1.495595E+09	4.923655E+10	2.556588E+10	3.964211E+10	6592303	2427834	3939301	1368345	1904930	876541.8	1178474	300177.2	-1.85856	1835146	3077407	-197873	475
1988	6	200520	1.55145E+09	4.76411E+10	2.473403E+10	3.835553E+10	6377959	2426878	3930136	1367087	1895828	876026	1175341	284857.1	-1.85856	1834143	3072529	-200520	475
1988	7	203825	1.569065E+09	4.922129E+10	2.554992E+10	3.962549E+10	6588707	2425892	3920670	1365787	1886428	875493.1	1172105	269031.6	-1.85856	1833106	3067492	-203825	475
1988	8	193936	1.469865E+09	4.921346E+10	2.554137E+10	3.961693E+10	6586857	2424896	3911209	1364488	1877032	874960.3	1168869	25211.3	-1.85856	1832070	3062455	-193936	475
1988	9	189150	1.43745E+09	4.761885E+10	2.470975E+10	3.833126E+10	6372708	2423952	3902056	1363231	1867943	874444.8	1165738	237906.1	-1.85856	1831067	3057582	-189150	475
1988	10	227075	1.448165E+09	4.91984E+10	2.552491E+10	3.960047E+10	6583298	2422967	3892603	1361934	1858556	873912.1	1162503	222095.9	-1.85856	1830032	3052548	-227075	475
1988	11	173970	1.17255E+09	6.136079E+10	4.308546E+10	5.670697E+10	1.082182E+07	2422014	3883459	1360678	1849475	873396.9	1159373	206800.3	-1.85856	1829029	3047677	-173970	475
1989	0	159792.6	1.111753E+09	4.918348E+10	2.550859E+10	3.958415E+10	6579758</												

1989	6	200520	1.55145E+09	4.747586E+10	2.455211E+10	3.817358E+10	6338449	2415319	3819229	1351859	1785691	869765.9	1137320	99173.13	-1.85856	1821975	3013389	-200520	475
1989	7	203825	1.569065E+09	4.905134E+10	2.536267E+10	3.943822E+10	6548017	2414342	3899859	1350573	1776387	869235.5	1134099	83462.28	-1.85856	1820945	3008382	-203825	475
1989	8	193936	1.469865E+09	4.904431E+10	2.535483E+10	3.943039E+10	6546313	2413366	3800494	1349287	1767086	868705.3	1130879	67756.26	-1.85856	1819915	3003377	-193936	475
1989	9	189150	1.43745E+09	4.745589E+10	2.452988E+10	3.815136E+10	6333597	2412422	3791434	1348043	1758089	868192.2	1127763	52561.24	-1.85856	1818919	2998535	-189150	475
1989	10	227075	1.448165E+09	4.903077E+10	2.533975E+10	3.941533E+10	6543017	2411447	3782076	1346758	1748796	867662.1	1124544	36864.48	-1.85856	1817890	2993533	-227075	475
1989	11	173970	1.17255E+09	6.106951E+10	4.276378E+10	5.638529E+10	1.075186E+07	2410504	3773023	1345515	1739807	867149.2	1121429	21678.39	-1.85856	1816894	2988693	-173970	475
1990	0	159792.6	1.111753E+09	4.901738E+10	2.532479E+10	3.940035E+10	6539751	2409529	3763673	1344231	1730521	866619.4	1118211	5990.841	-1.85856	1815865	2983693	-159792.6	475
1990	1	161193.8	1.118759E+09	4.893556E+10	2.523307E+10	3.930863E+10	6519643	2408560	3754369	1342954	1721282	866090.9	1115001	-	-1.85856	1814839	2978709	-161193.8	475
1990	2	144659.2	1.005816E+09	4.19473E+10	2.278535E+10	2.025475E+10	5887431	2407684	3745968	1341801	1712939	865613.6	1112103	-	-1.85856	1813913	2974209	-144659.2	475
1990	3	376631.4	1.135747E+09	4.892336E+10	2.52193E+10	2.242248E+10	6516618	2406715	3736671	1340524	1703706	865085.3	1108894	-	-1.85856	1812888	2969227	-376631.4	475
1990	4	811950	1.18845E+09	5.690059E+10	3.721513E+10	2.913072E+10	9411547	2405777	3727677	1339289	1694775	864574.1	1105789	-	-1.85856	1811897	2964408	-811950	475
1990	5	197873	1.495595E+09	4.891086E+10	2.520517E+10	2.241779E+10	6513511	2404809	3718387	1338014	1685549	864045.9	1102582	-	-1.85856	1810872	2959428	-197873	475
1990	6	200520	1.55145E+09	4.732727E+10	2.438553E+10	2.169247E+10	6301950	2403872	3709400	1336780	1676624	863535	1099478	-	-1.85856	1809881	2954611	-200520	475
1990	7	203825	1.569065E+09	4.889845E+10	2.519117E+10	2.241315E+10	6510422	2402905	3700117	1335505	1667406	863007.1	1096272	-	-1.85856	1808857	2949634	-203825	475
1990	8	193936	1.469865E+09	4.889206E+10	2.518392E+10	2.241076E+10	6508393	2401938	3690837	1334231	1658190	862479.3	1093066	-	-1.85856	1807834	2944659	-193936	475
1990	9	189150	1.43745E+09	4.730915E+10	2.436503E+10	2.168568E+10	6297442	2401002	3681860	1332999	1649276	861968.6	1089964	-	-1.85856	1806843	2939845	-189150	475
1990	10	227075	1.448165E+09	4.88798E+10	2.513061E+10	2.240617E+10	6505780	2400306	3672587	1331726	1640068	861440.9	1086760	-	-1.85856	1805820	2934873	-227075	475
1990	11	173970	1.17255E+09	6.080718E+10	2.249585E+10	2.687505E+10	1.068719E+07	2399101	3663617	1330494	1631160	860930.4	1083659	-	-1.85856	1804830	2930061	-173970	475
1991	0	159792.6	1.111753E+09	4.886761E+10	2.52061E+10	2.240161E+10	6502735	2398135	3654352	1329222	1621958	860402.9	1080456	-	-1.85856	1803808	2925091	-159792.6	475
1991	1	161193.8	1.118759E+09	4.879314E+10	2.520815E+10	2.237371E+10	6484009	2397174	3645128	1327955	1612798	859876.8	1077260	-	-1.85856	1802788	2920135	-161193.8	475
1991	2	144659.2	1.005816E+09	4.406654E+10	2.493346E+10	2.020675E+10	5855335	2396306	3636799	1326812	1604528	859401.6	1074374	-	-1.85856	1801867	2915660	-144659.2	475
1991	3	376631.4	1.135747E+09	4.8782E+10	2.523998E+10	2.236953E+10	6481191	2395345	3627582	1325547	1595374	858875.5	1071180	-	-1.85856	1800848	2910707	-376631.4	475
1991	4	811950	1.18845E+09	5.688672E+10	2.516708E+10	2.529237E+10	9357982	2394416	3618665	1324322	1586519	858366.6	1068089	-	-1.85856	1799862	2905914	-811950	475
1991	5	197873	1.495595E+09	4.877058E+10	2.523652E+10	2.241076E+10	6478289	2393456	3609454	1323057	1577372	857840.8	1064895	-	-1.85856	1798843	2900963	-197873	475
1991	6	200520	1.55145E+09	4.719201E+10	2.430208E+10	2.164179E+10	6267960	2392527	3600542	1321834	1568523	857332.1	1061805	-	-1.85856	1797858	2896173	-200520	475
1991	7	203825	1.569065E+09	4.875923E+10	2.523445E+10	2.236099E+10	6475406	2391568	3591338	1320570	1559582	856806.5	1058613	-	-1.85856	1796840	2891224	-203825	475
1991	8	193936	1.469865E+09	4.87534E+10	2.523256E+10	2.235881E+10	6473928	2390608	3582137	1319307	1550244	856281.1	1055421	-	-1.85856	1795822	2886277	-193936	475
1991	9	189150	1.43745E+09	4.717545E+10	2.430108E+10	2.163558E+10	6263745	2389681	3573235	1318085	1541404	855772.6	1052333	-	-1.85856	1794837	2881490	-189150	475
1991	10	227075	1.448165E+09	4.874217E+10	2.52346E+10	2.23479E+10	6471067	2388722	3564040	1316822	1532273	855247.3	1049143	-	-1.85856	1793819	2876545	-227075	475
1991	11	173970	1.17255E+09	6.056813E+10	2.523697E+10	2.678547E+10	1.062691E+07	2387795	3555144	1315601	1523439	854738.9	1046056	-	-1.85856	1792835	2871760	-173970	475
1992	0	159792.6	1.111753E+09	4.873104E+10	2.527489E+10	2.235042E+10	6468227	2386837	3545955	1314339	1514314	854213.9	1042866	-	-1.85856	1791818	2866817	-159792.6	475
1992	1	161193.8	1.118759E+09	4.86627E+10	2.527243E+10	2.235071E+10	6465071	2385883	3536805	1313063	1505227	853689.9	1039684	-	-1.85856	1790804	2861888	-161193.8	475
1992	2	144659.2	1.001738E+09	4.551872E+10	2.43546E+10	2.08828E+10	6033376	2384991	3528247	1311908	1496729	853199.8	1036708	-	-1.85856	1789855	2857278	-144659.2	475
1992	3	376631.4	1.135747E+09	4.865247E+10	2.523995E+10	2.232094E+10	6448063	2384038	3519102	1310652	1487648	852676	1033527	-	-1.85856	1788841	2852351	-376631.4	475
1992	4	811950	1.18845E+09	5.653311E+10	2.52324E+10	2.524284E+10	9328223	2383116	3510255	1309438	1478862	852169.2	1030449	-	-1.85856	1787861	2847584	-811950	475

Non-cumulative Flows and Concentrations Per Time Interval for Mine Bottom Sump(s)

YEAR	Month	Flow (m³/m)	pH	Alk(mg/L)	Ac(mg/L)	SO4(mg/L)	Cu (mg/L)	1:S rem.(kg)	1:NP rem.(kg)	2:S rem.(kg)	2:NP rem.(kg)	3:S rem.(kg)	3:NP rem.(kg)	4:S rem.(kg)	4:NP rem.(kg)	5:S rem.(kg)	5:NP (kg)	Pump #2(m³/d)	Water Elev (m)	
1985	1	161193.8	7.9181	243.1276	0	250.5129	.0240426	2467390	4318822	1420453	2281818	897638.9	1306606	930051.2	470434.8	1876318	3277518	-161193.8	475	
1985	2	144659.2	7.922015	244.6619	0	252.0656	2.382666E-02	2466460	4309902	1419229	2272959	897149.2	1303632	915356.2	431436.2	1875360	3272859	-144659.2	475	
1985	3	376631.4	7.389862	104.0217	0	107.1559	8.123588E-02	2465432	4300032	1417874	2263158	896607.1	1300340	899093.8	388277.9	1874299	3267703	-376631.4	475	
1985	4	811950	6.954879	51.70183	0	61.18568	.2213939	2464437	4290488	1416563	2253680	896082.7	1297155	883362.3	346528.6	1873272	3262714	-811950	475	
1985	5	197873	7.790127	197.9287	0	203.8426	3.229107E-02	2463410	4280632	1415210	2243893	895541	1293864	867113.4	303406.2	1872212	3257561	-197873	475	
1985	6	200520	7.761358	188.9852	0	194.6089	3.430489E-02	2462416	4271101	1413902	2234428	895016.8	1290681	851395	261691.7	1871186	3252576	-200520	475	
1985	7	203825	7.771482	192.0856	0	197.7768	.033709	2461390	4261259	1412590	2224654	894475.3	1287392	835159.6	218605.1	1870127	3247427	-203825	475	
1985	8	193936	7.802322	201.8464	0	207.8006	3.139605E-02	2460365	4251424	1411200	2214887	893934	1284104	818931.1	175536.8	1869068	3242279	-193936	475	
1985	9	189150	7.79737	200.2464	0	206.1294	3.175645E-02	2459374	4241912	1409894	2205441	893410.1	1280923	803232.3	133874.3	1868043	3237299	-189150	475	
1985	10	227075	7.703969	172.3337	0	177.7345	3.938468E-02	2458350	4232090	1408545	2195687	892869.1	1277637	787017.2	90841.19	1866985	3232155	-227075	475	
1985	11	173970	7.957997	259.2282	0	332.7192	2.193029E-02	2457360	4222590	1407241	2186253	892345.5	1274457	771331.2	49212.6	1865961	3227179	-173970	475	
1986	0	159792.6	7.922415	244.8191	0	251.9194	2.380469E-02	2456338	4212781	1405894	2176512	891804.7	1271172	735129.2	6214.369	1864903	3222038	-159792.6	475	
1986	1	161193.8	7.866515	223.7831	0	248.885	2.707813E-02	2455323	4203904	1404558	2166847	891265.5	1267898	739007.3	-	-1.85856	1863850	3216919	-161193.8	475
1986	2	144659.2	7.607685	147.6265	0	250.4352	4.917077E-02	2454408	4194262	1403352	2158123	890778.6	1264940	724450.6	-	-1.85856	1862899	3212296	-144659.2	475
1986	3	376631.4	7.075649	62.77734	0	106.4663	.1676005	2453395	4184541	1402017	2148469	890239.6	1261667	708340.7	-	-1.85856	1861846	3207180	-376631.4	475
1986	4	811950	6.533182	26.25193	0	64.10625	.5851733	2452414	4175139	1400726	2139132	889718.2	1258500	692756.1	-	-1.85856	1860828	3202231	-811950	475
1986	5	197873	7.47614	119.4938	0	202.5435	6.658618E-02	2451403	4165430	1399393	2129490	889179.5	1255228	676658.4	-	-1.85856	1859776	3197119	-197873	475
1986	6	200520	7.447719	114.1143	0	193.3746	.0713334	2450424	4156039	1398103	2120165	888658.2	1252062	661085.7	-	-1.85856	1858758	3192173	-200520	475
1986	7	203825	7.457718	116.0078	0	196.5287	.0694743	2449441	4146341	1396772	2110534	888119.8	1248792	645000.1	-	-1.85856	1857707	3187064	-203825	475

1986	8	193936	7.488671	121.9249	0	206.4958	6.469047E-02	2448403	4136649	1395441	2100909	887581.4	1245522	628920.8	-1.85856	1856656	3181956	-193936	475
1986	9	189130	7.483827	120.9793	0	204.841	6.541681E-02	2447425	4127274	1394154	2091599	887060.5	1242359	613365.8	-1.85856	1855640	3177014	-189130	475
1986	10	227075	7.390539	104.1348	0	176.2714	8.110929E-02	2446416	4117593	1392825	2081985	886522.4	1239091	597298.5	-1.85856	1854590	3171910	-227075	475
1986	11	173970	7.394382	104.7802	0	330.2165	8.039387E-02	2445441	4108229	1391539	2072686	886001.8	1235929	581755.1	-1.85856	1853574	3166972	-173970	475
1987	0	159792.6	7.609202	147.9869	0	250.3674	4.899911E-02	2444433	4098559	1390211	2063083	885464.1	1232662	565699.6	-1.85856	1852524	3161871	-159792.6	475
1987	1	161193.8	7.603926	146.7373	0	247.4377	4.959863E-02	2443432	4088955	1388893	2053546	884927.7	1229405	549716.8	-1.85856	1851479	3156789	-161193.8	475
1987	2	144659.2	7.607948	147.6889	0	248.9842	.049411	2442528	4080285	1387702	2044936	884443.4	1226464	535285.4	-1.85856	1850535	3152201	-144659.2	475
1987	3	376631.4	7.075919	62.80462	0	105.8523	.1674961	2441528	4070691	1386385	2035408	883907.3	1223208	519313.5	-1.85856	1849490	3147122	-376631.4	475
1987	4	811950	6.481317	24.15236	0	63.67712	.6594798	2440561	4061411	1385111	2026193	883388.6	1220058	503862	-1.85856	1848479	3142209	-811950	475
1987	5	197873	7.47642	119.5477	0	201.3857	6.654309E-02	2439562	4051827	1383795	2016675	882852.7	1216803	487901.2	-1.85856	1847435	3137134	-197873	475
1987	6	200520	7.447764	114.1666	0	192.2739	7.108666E-02	2438595	4042556	1382522	2007469	882334.3	1213654	472460.5	-1.85856	1846424	3132223	-200520	475
1987	7	203825	7.45801	116.0622	0	195.4148	6.942751E-02	2437598	4032982	1381207	1997961	881798.7	1210401	456510.8	-1.85856	1845381	3127151	-203825	475
1987	8	193936	7.48897	121.9834	0	205.3307	6.464591E-02	2436600	4023413	1379894	1988458	881263.2	1207149	440566.8	-1.85856	1844338	3122080	-193936	475
1987	9	189150	7.484129	121.0382	0	203.69	6.537124E-02	2435636	4014157	1378623	1979266	880745.1	1204003	425142.2	-1.85856	1843328	3117174	-189150	475
1987	10	227075	7.390847	104.1864	0	175.2853	8.105163E-02	2434639	4004597	1377310	1969773	880209.8	1200752	409209.2	-1.85856	1842285	3112106	-227075	475
1987	11	173970	7.395071	104.8962	0	327.9799	8.026639E-02	2433675	3995350	1376041	1960591	879691.9	1197606	393795.1	-1.85856	1841277	3107203	-173970	475
1988	0	159792.6	7.60952	148.0625	0	248.9786	4.894321E-02	2432680	3985801	1374729	1951107	879157	1194357	377872.9	-1.85856	1840235	3102138	-159792.6	475
1988	1	161193.8	7.604298	146.8251	0	246.1341	4.955613E-02	2431691	3976309	1373426	1941081	878623.4	1191117	362017.1	-1.85856	1839196	3097091	-161193.8	475
1988	2	149825.6	7.608324	147.778	0	247.6776	4.909847E-02	2430766	3967433	1372208	1932866	878124.3	1188086	347188.6	-1.85856	1838225	3092371	-149825.6	475
1988	3	376631.4	7.076298	62.84286	0	105.299	.16735	2429777	3957949	1370905	1923449	877590.9	1184846	331342.7	-1.85856	1837188	3087327	-376631.4	475
1988	4	811950	6.481316	24.15229	0	63.30482	.650482	2428821	3948776	1369446	1914339	877075	1181712	316012.8	-1.85856	1836184	3082448	-811950	475
1988	5	197873	7.476807	119.6221	0	200.3412	6.648388E-02	2427834	3939301	1368345	1904930	876541.8	1178474	300177.2	-1.85856	1835146	3077407	-197873	475
1988	6	200520	7.448154	114.2383	0	191.2803	.0710227	2426878	3930136	1367087	1895828	876026	1175341	284857.1	-1.85856	1834143	3072529	-200520	475
1988	7	203825	7.458404	116.1357	0	194.4093	6.936451E-02	2425892	3920670	1365787	1886428	875493.1	1172105	269031.6	-1.85856	1833106	3067492	-203825	475
1988	8	193936	7.489367	122.0614	0	204.2784	6.458675E-02	2424906	3911209	1364488	1877032	874960.3	1168869	253211.3	-1.85856	1832070	3062455	-193936	475
1988	9	189150	7.484529	121.116	0	202.6501	6.531092E-02	2423952	3902056	1363231	1867943	874444.8	1165738	237906.1	-1.85856	1831067	3057582	-189150	475
1988	10	227075	7.391251	104.2541	0	174.3938	8.097631E-02	2422967	3892803	1361934	1858556	873912.1	1162503	222095.9	-1.85856	1830032	3052548	-227075	475
1988	11	173970	7.395976	105.0488	0	325.9583	8.009921E-02	2422014	3883459	1360678	1849475	873396.9	1159373	206800.3	-1.85856	1829029	3046777	-173970	475
1989	0	159792.6	7.60939	148.1601	0	247.7221	.048917	2421029	3874015	1359381	1840096	872864.6	1156140	191000.1	-1.85856	1827994	3042646	-159792.6	475
1989	1	161193.8	7.604741	146.9297	0	244.9456	4.950556E-02	2420050	3864622	1358092	1830769	872333.6	1152915	175261.3	-1.85856	1826963	3037632	-161193.8	475
1989	2	144659.2	7.608769	147.8839	0	246.4857	4.904809E-02	2419167	3856141	1356927	1822347	871854.2	1150003	161049.4	-1.85856	1826031	3033104	-144659.2	475
1989	3	376631.4	7.076745	62.88803	0	104.7942	.1671776	2418188	3846756	1355638	1813027	871323.4	1146779	145319.8	-1.85856	1825056	3028093	-376631.4	475
1989	4	811950	6.482812	24.21044	0	62.93456	.6572114	2417242	3837677	1354392	1804012	870809.8	1143660	130102	-1.85856	1824002	3022244	-811950	475
1989	5	197873	7.477258	119.7088	0	199.3876	.0664148	2416264	3828300	1353105	1794699	870279.2	1140438	114381.8	-1.85856	1822972	3018235	-197873	475
1989	6	200520	7.448607	114.3215	0	190.3729	7.094867E-02	2415319	3819229	1351859	1785691	869765.9	1137320	99173.13	-1.85856	1821975	3013389	-200520	475
1989	7	203825	7.458858	116.2206	0	193.4906	.0692919	2414342	3809859	1350573	1776387	869235.5	1134099	83462.28	-1.85856	1820945	3008382	-203825	475
1989	8	193936	7.489824	122.151	0	203.3165	6.451878E-02	2413366	3800494	1349287	1767086	868705.3	1130879	67756.26	-1.85856	1819915	3003377	-193936	475
1989	9	189150	7.484989	121.2055	0	201.6989	6.524183E-02	2412422	3791434	1348043	1758089	868192.2	1127763	52561.24	-1.85856	1818919	2998535	-189150	475
1989	10	227075	7.391711	104.3312	0	173.5785	8.089038E-02	2411447	3782076	1346758	1748796	867662.1	1124544	36864.48	-1.85856	1817890	2993533	-227075	475
1989	11	173970	7.397009	105.2235	0	324.1093	7.990839E-02	2410504	3773023	1345515	1739807	867149.2	1121429	21678.39	-1.85856	1816894	2988693	-173970	475
1990	0	159792.6	7.610395	148.2709	0	246.5718	4.886456E-02	2409529	3763673	1344231	1730521	866619.4	1118211	5990.841	-1.85856	1815865	2983693	-159792.6	475
1990	1	161193.8	7.605223	147.0435	0	243.8594	4.945058E-02	2408560	3754369	1342954	1721282	866090.9	1115001	227072	-1.85856	1814839	2978709	-161193.8	475
1990	2	144659.2	7.609252	147.9987	0	140.017	4.899351E-02	2407684	3745968	1341801	1712939	865613.6	1112103	227072	-1.85856	1813913	2974209	-144659.2	475
1990	3	376631.4	7.077229	62.93703	0	59.53428	.166691	2406715	3736671	1340524	1703706	865083.3	1108894	227072	-1.85856	1812888	2969227	-376631.4	475
1990	4	811950	6.483691	24.24467	0	35.87748	.6558816	2405777	3727677	1339289	1694775	864574.1	1105789	227072	-1.85856	1811897	2964408	-811950	475
1990	5	197873	7.477745	119.8025	0	113.2938	.0663403	2404809	3718387	1338014	1685499	864045.9	1102582	227072	-1.85856	1810872	2959428	-197873	475
1990	6	200520	7.449095	114.4112	0	108.1811	7.086886E-02	2403872	3709400	1336780	1676624	863535	1099478	227072	-1.85856	1809881	2954611	-200520	475
1990	7	203825	7.459347	116.3119	0	109.9627	6.921396E-02	2402905	3700117	1335505	1667406	863007.1	1096272	227072	-1.85856	1808857	2949634	-203825	475
1990	8	193936	7.490314	122.2472	0	115.5575	.064446	2401938	3690837	1334231	1658190	862479.3	1093066	227072	-1.85856	1807834	2944659	-193936	475
1990	9	189150	7.48548	121.3012	0	114.648	6.516794E-02	2401002	3681860	1332999	1649276	861968.6	1089964	227072	-1.85856	1806843	2939845	-189150	475
1990	10	227075	7.726093	178.5718	0	98.67298	3.742664E-02	2400036	3672587	1331726	1640068	861440.9	1086760	227072	-1.85856	1805820	2934873	-227075	475
1990	11	173970	7.856523	220.218	0	154.481	2.770899E-02	2399101	3663617	1330494	1631160	860930.4	1083659	227072	-1.85856	1804830	2930061	-173970	475
1991	0	159792.6	7.944619	253.7136	0	140.1918	2.261708E-02	2398135	3654352	1329222	1621958	860402.9	1080456	227072	-1.85856	1803808	2925091	-159792.6	475
1991																			

1991	6	200520	7.78197	195.3507	0	107.9283	3.290393E-02	2392527	3600542	1321834	1568523	857332.1	1061805	.227072	-.185856	1797858	2896173	-200520	475
1991	7	203825	7.792144	198.5713	0	109.7068	3.214133E-02	2391568	3591338	1320570	1559382	856806.5	1058613	.227072	-.185856	1796840	2891224	-203825	475
1991	8	193936	7.823032	208.6778	0	115.2896	2.993263E-02	2390608	3582137	1319307	1550244	856281.1	1055421	.227072	-.185856	1795822	2886277	-193936	475
1991	9	189150	7.818125	207.0387	0	114.3832	3.027307E-02	2389681	3573235	1318085	1541404	855772.6	1052333	.227072	-.185856	1794837	2881490	-189150	475
1991	10	227075	7.724771	178.1928	0	98.44587	3.754088E-02	2388722	3564040	1316822	1532273	855247.3	1049143	.227072	-.185856	1793819	2876545	-227075	475
1991	11	173970	7.989028	272.4847	0	153.966	2.041655E-02	2387795	3555144	1315601	1523439	854738.9	1046056	.227072	-.185856	1792835	2871760	-173970	475
1992	0	159792.6	7.943306	253.1792	0	139.8714	2.268559E-02	2386837	3545955	1314339	1514314	854213.9	1042866	.227072	-.185856	1791818	2866817	-159792.6	475
1992	1	161193.8	7.937217	250.7135	0	138.4966	2.300622E-02	2385883	3536805	1313083	1505227	853689.9	1039684	.227072	-.185856	1790804	2861888	-161193.8	475
1992	2	149825.6	7.941181	252.3159	0	139.3807	2.279698E-02	2384991	3528247	1311908	1496729	853199.8	1036708	.227072	-.185856	1789855	2857278	-149825.6	475
1992	3	376631.4	7.409084	107.2855	0	59.26469	7.771528E-02	2384038	3519102	1310652	1487648	852676	1033527	.227072	-.185856	1788841	2852351	-376631.4	475
1992	4	811950	6.997169	55.3381	0	31.08916	.2008321	2383116	3510255	1309438	1478862	852169.2	1030449	.227072	-.185856	1787861	2847584	-811950	475

* CLOSURE *

Cumulative Total Loadings and Volumes Per Time Interval:

YEAR	Month	Vol (m ³ /Lyr)	pH(mg/interval)	Alk(mg/m ³)	Asi(mg/m ³)	SO4(mg/m ³)	Cu (mg/m ³)	1:1 rem.(kg)	1:1 NP rem.(kg)	2:1 rem.(kg)	2:1 NP rem.(kg)	3:1 rem.(kg)	3:1 NP rem.(kg)	4:1 rem.(kg)	4:1 NP rem.(kg)	5:1 rem.(kg)	5:1 NP rem.(kg)	Pump #2	Water Elevation (m)
1992	5	300607	2.62925E+10	1.625528E+12	8.75183E+11	1.585605E+12	8.439296E+10	2382397	3503357	1308190	1469842	851647.4	1027279	9.375E-08	-.185856	1786899	2842909	0	485.736
1992	6	603127	8.471862E+10	5.075714E+12	2.298805E+12	3.696337E+12	1.683558E+11	2381741	3497058	1306984	1461115	851142.5	1024213	9.375E-08	-.185856	1785985	2838468	0	496.5403
1992	7	912352	1.990108E+11	1.206331E+13	4.841888E+12	6.948755E+12	2.594027E+11	2381088	3490796	1305741	1452125	850620.8	1021045	9.375E-08	-.185856	1785050	2833925	0	506.636
1992	8	1211688	4.022309E+11	2.463374E+13	9.139458E+12	1.195399E+13	3.57437E+11	2380453	3484703	1304503	1443170	850099.2	1017877	9.375E-08	-.185856	1784121	2829410	0	515.9902
1992	9	1502838	7.386994E+11	4.520524E+13	1.593289E+13	1.942907E+13	4.628142E+11	2379855	3478967	1303309	1434538	849594.7	1014812	9.375E-08	-.185856	1783228	2825068	0	525.0887
1992	10	1835313	1.265242E+12	7.67371E+13	2.617283E+13	3.036874E+13	5.845201E+11	2379257	3473228	1302082	1426599	849073.3	1011646	9.375E-08	-.185856	1782311	2820612	0	535.4785
1992	11	2111283	2.052307E+12	1.228065E+14	4.096959E+13	4.583388E+13	7.217142E+11	2378693	3467825	1300898	1417097	848568.9	1008582	9.375E-08	-.185856	1781429	2816325	0	544.1026
1993	0	2376476	3.186759E+12	1.874082E+14	6.159345E+13	6.713696E+13	8.846351E+11	2378126	3462376	1299686	1408335	848048.4	1005421	9.375E-08	-.185856	1780522	2811917	0	550.7081
1993	1	2643069	4.772482E+12	2.75367E+14	9.968567E+13	9.588384E+13	1.076642E+12	2377567	3457016	1298504	1399786	847530.6	1002276	9.375E-08	-.185856	1779618	2807521	0	553.1766
1993	2	2882929	6.931881E+12	3.917469E+14	1.266238E+14	1.333855E+14	1.296016E+12	2377070	3452249	1297461	1392238	847065.1	999448	9.375E-08	-.185856	1778803	2803562	0	555.3975
1993	3	3364948	9.808248E+12	5.427374E+14	1.74622E+14	1.819729E+14	1.566326E+12	2376537	3447132	1296359	1384267	846554.3	996345.8	9.375E-08	-.185856	1777906	2799200	0	559.8606
1993	4	4278898	1.356633E+13	7.353601E+14	2.359554E+14	2.438082E+14	1.88563E+12	2376051	3442475	1295389	1377253	846068.5	993395.4	9.375E-08	-.185856	1777046	2795020	0	568.3231
1993	5	4526431	7.616432E+10	4.996166E+14	4.322486E+11	2.449424E+14	8.25303E+10	2375560	3437763	1294418	1370227	845570	990367.4	9.375E-08	-.185856	1776162	2790722	0	570.6151
1993	6	4777590	1.34159E+11	5.002654E+14	1.133957E+12	2.463119E+14	1.629312E+11	2375093	3433283	1293504	1363621	845089.8	987451.5	9.375E-08	-.185856	1775308	2786576	0	572.9406
1993	7	5033741	2.480054E+11	5.014503E+14	1.986057E+12	2.478486E+14	2.465803E+11	2374620	3428741	1292589	1356999	844596.2	984453.9	9.375E-08	-.185856	1774429	2782303	0	575.3124
1993	8	5280004	4.507796E+11	5.036889E+14	3.36534E+12	2.498626E+14	3.314216E+11	2374155	3424281	1291700	1350573	844170.8	981470.8	9.375E-08	-.185856	1773552	2778042	0	577.5927
1993	9	5519792	7.868167E+11	5.073492E+14	5.127497E+12	2.522738E+14	4.151702E+11	2373713	3420042	1290666	1344538	843632	978598	9.375E-08	-.185856	1772706	2773929	0	579.8129
1993	10	5799194	1.312913E+12	5.130688E+14	7.661433E+12	2.554176E+14	5.038634E+11	2373267	3415756	1290034	1338523	843146	975646.3	9.375E-08	-.185856	1771835	2769693	0	582.4
1993	11	6023802	2.099547E+12	5.217565E+14	1.135333E+13	2.596438E+14	5.932344E+11	2372842	3411681	1289254	132876	842677.8	972802.4	9.375E-08	-.185856	1770994	2765604	0	584.4797
1994	0	6235921	3.233553E+12	5.341744E+14	1.630683E+13	2.650949E+14	6.893939E+11	2372410	3407541	1288470	1327208	842196.1	969876.8	9.375E-08	-.185856	1770127	2761389	0	586.4437
1994	1	6449441	4.818831E+12	5.515178E+14	2.309832E+13	2.722979E+14	7.910284E+11	2371987	3403473	1287710	1321710	841716.4	966963.8	9.375E-08	-.185856	1769261	2757185	0	588.4208
1994	2	6641363	6.977827E+12	5.749183E+14	3.189645E+13	2.813399E+14	8.913795E+11	2371610	3399857	1287042	1316881	841285	964343.1	9.375E-08	-.185856	1768482	2753396	0	590.1978
1994	3	7070308	9.853748E+12	6.061218E+14	4.354774E+13	2.931652E+14	1.008359E+12	2371207	3395995	1286350	1311875	840811.4	961466.9	9.375E-08	-.185856	1767623	2749220	0	594.1695
1994	4	7932897	1.36114E+13	6.4717E+14	5.865822E+13	3.082498E+14	1.13358E+12	2370843	3392502	1285759	1307606	840361.4	958734.1	9.375E-08	-.185856	1766800	2745220	0	601.2521
1994	5	8161703	1.167395E+13	5.885979E+14	3.886981E+11	3.093393E+14	8.238605E+10	2370473	3388950	1285165	1303308	839899.9	955931.4	9.375E-08	-.185856	1765954	2741108	0	602.4823
1994	6	8394738	1.74582E+11	5.8889E+14	9.653347E+11	3.105846E+14	1.624004E+11	2370119	3385557	1284604	1299245	839456	953234.7	9.375E-08	-.185856	1765137	2737141	0	603.7352
1994	7	8632162	2.882711E+11	5.894456E+14	1.597827E+12	3.119024E+14	2.452839E+11	2369758	3382097	1284037	1295148	838999.9	950464.4	9.375E-08	-.185856	1764296	2733054	0	605.0116
1994	8	8859697	4.90888E+11	5.903541E+14	2.36731E+12	3.133469E+14	3.285201E+11	2369403	3378681	1283484	1291149	838546.4	947709.8	9.375E-08	-.185856	1763458	2728981	0	606.2349
1994	9	9081362	8.267728E+11	5.919297E+14	3.379119E+12	3.149915E+14	4.097661E+11	2369062	3375417	1282962	1287371	838109.9	945038.7	9.375E-08	-.185856	1762650	2725050	0	607.4267
1994	10	9342066	1.352712E+12	5.94508E+14	4.91786E+12	3.17154E+14	4.9481E+11	2368716	3372093	1282438	1283580	837661.8	942336.8	9.375E-08	-.185856	1761817	2721003	0	608.8281
1994	11	9548521	2.139194E+12	5.984072E+14	6.825421E+12	3.196245E+14	5.783566E+11	2368385	3368916	1281942	1279997	837230.3	939716.8	9.375E-08	-.185856	1761013	2717097	0	609.9383
1995	0	9741913	3.273042E+12	6.039436E+14	9.360733E+12	3.226989E+14	6.662605E+11	2368047	3365672	1281442	1276378	836786.9	937022.9	9.375E-08	-.185856	1760185	2713072	0	610.978
1995	1	9936706	4.858162E+12	6.117621E+14	1.271767E+13	3.265286E+14	7.364502E+11	2367713	3362465	1280953	1272843	836345.4	934342.3	9.375E-08	-.185856	1759359	2709058	0	612.0253
1995	2	1.011171E+13	7.017017E+12	6.224912E+14	1.719789E+13	3.313259E+14	8.416773E+11	2367414	3359599	1280521	1269717	835948.6	931932.1	9.375E-08	-.185856	1758615	2705441	0	612.9662
1995	3	1.052193E+13	9.89278E+12	6.368287E+14	2.293138E+13	3.373405E+14	9.384371E+11	2367092	3356505	1280067	1266541	835513.9	929291.4	9.375E-08	-.185856	1757793	2701458	0	615.1717
1995	4	1.13664E+13	1.365028E+13	6.560328E+14	3.450166E+13	3.430166E+14	1.037505E+12	2366796	3353666	1279675	1263600	835102.1	926791	9.375E-08	-.185856	1757011	2697647	0	619.7118
1995	5	1.15847E+13	1.539475E+13	6.256196E+14	3.892733E+13	3.461046E+14	8.238589E+10	2366495	3350785	1279285	1260776	834679.9	924226.8	9.375E-08	-.185856	1756205	2693729	0	620.8855
1995	6	1.180758E+13	1.717046E+13	6.259082E+14	4.85451E+13	3.472289E+14	1.623115E+11	2366209	3348037	1278920	1258135	834273.7	921760	9.375E-08	-.185856	1755427	2689950	0	622.0837
1995	7	1.203451E+13	2.33055E+11	6.265222E+14	1.566155E+12	3.486236E+14	2.45324E+11	2365918	3345242	1278556	1255503	833856.6	919226.6	9.375E-08	-.185856	1754626	2686056	0	623.3038
1995	8	1.225154E+13	5.278342E+11	6.276589E+14	2.398024E+12	3.501125E+14	3.287324E+11	2365631	3342488	1278205	1252964	833441.8	916707.9	9.375E-08	-.185856	1753828	2682175	0	624.4706
1995	9	1.246305E+13	6.384337E+11	6.294429E+14	3.469059E+12	3.513788E+14	4.101507E+11	2365357	3339863	1277877	1250594	833042.8	914284.6	9.375E-08	-.185856	1753057	2678430	0	625.6078
1995	10	1.271323E+13	7.189445E+12	6.323145E+14	4.969572E+12	3.538486E+14	4.952845E+11	2365079	3337198	1277553	1248252	832633.3	911797.4	9.375E-08	-.185856	1752264	2674574	0	626.9528

1995	11	1.290955E+07	2.175881E+12	6.366892E+14	7.059582E+12	3.564713E+14	5.793207E+11	2364814	3334656	1277251	1246066	832239.1	909403.6	9.375E-08	-1.85856	1751498	2670853	0	628.0084
1996	0	1.309245E+07	3.309641E+12	6.429705E+14	9.805725E+12	3.596691E+14	6.67819E+11	2364543	3332063	1276949	1243885	831833.8	906942.4	9.375E-08	-1.85856	1750709	2667017	0	628.9916
1996	1	1.327674E+07	4.894673E+12	6.51705E+14	1.341377E+13	3.636324E+14	1.587191E+11	2364277	3329506	1276639	1241782	831430.8	904493.9	9.375E-08	-1.85856	1749922	2663192	0	629.9825
1996	2	1.344818E+07	7.705347E+12	6.635608E+14	1.808914E+13	3.684949E+14	8.473612E+11	2364031	3327147	1276396	1239881	831055.4	902214.6	9.375E-08	-1.85856	1749187	2659623	0	630.9042
1996	3	1.384799E+07	9.929153E+12	6.795491E+14	2.435091E+13	3.748229E+14	9.454315E+11	2363776	3324700	1276138	1238019	830658.6	899805	9.375E-08	-1.85856	1748407	2655828	0	633.0532
1996	4	1.46822E+07	1.368637E+13	7.007718E+14	3.248747E+13	3.827911E+14	1.045983E+12	2363455	3322484	1275936	1236557	830283.6	897527.2	9.375E-08	-1.85856	1747660	2652197	0	637.5387
1996	5	1.489037E+07	1.89569E+11	6.683688E+14	3.899026E+11	3.838776E+14	8.238576E+10	2363311	3320243	1275740	1235138	829699.1	895191.8	9.375E-08	-1.85856	1746892	2648465	0	638.6579
1996	6	1.510344E+07	2.472437E+11	6.686644E+14	8.495877E+11	3.850008E+14	1.623114E+11	2363089	3318111	1275562	1233851	829529.3	892945.6	9.375E-08	-1.85856	1746151	2644865	0	639.8034
1996	7	1.532023E+07	3.607595E+11	6.692144E+14	1.41729E+12	3.862412E+14	2.451342E+11	2362864	3315951	1275391	1232613	829149.6	890639.5	9.375E-08	-1.85856	1745388	2641157	0	640.9689
1996	8	1.552712E+07	5.63203E+11	6.70063E+14	2.186585E+12	3.87656E+14	3.284642E+11	2362643	3313829	1275232	1231462	828772.1	888347.2	9.375E-08	-1.85856	1744627	2637460	0	642.0813
1996	9	1.572882E+07	8.989202E+11	6.722092E+14	3.360933E+12	3.894106E+14	4.09998E+11	2362433	3311814	1275089	1230429	828409.1	886142.3	9.375E-08	-1.85856	1743893	2633892	0	643.1657
1996	10	1.596886E+07	1.424686E+12	6.75179E+14	4.871508E+12	3.914711E+14	4.951353E+11	2362220	3309775	1274955	1229463	828036.6	883880	9.375E-08	-1.85856	1743138	2630219	0	644.4562
1996	11	1.615537E+07	2.211E+12	6.799917E+14	6.886451E+12	3.939412E+14	5.789857E+11	2362018	3307838	1274836	1228603	827678.2	881703.1	9.375E-08	-1.85856	1742408	2626675	0	645.459
1997	0	1.632813E+07	3.344675E+12	6.860434E+14	9.636583E+12	3.970672E+14	6.674117E+11	2361813	3305866	1274723	1227783	827309.8	879465.2	9.375E-08	-1.85856	1741656	2623021	0	646.3878
1997	1	1.650228E+07	4.929622E+12	6.95037E+14	1.327981E+13	4.009595E+14	7.582423E+11	2361611	3303930	1274619	1227032	826943.2	877239.4	9.375E-08	-1.85856	1740907	2619377	0	647.3241
1997	2	1.665865E+07	7.08832E+12	7.073069E+14	1.815063E+13	4.058481E+14	8.442932E+11	2361432	3302209	1274535	1226423	826613.8	875238.8	9.375E-08	-1.85856	1740231	2616093	0	648.1648
1997	3	1.704823E+07	9.96391E+12	7.236534E+14	2.441361E+13	4.119944E+14	9.420949E+11	2361240	3300370	1274460	1225881	826253.2	873048.8	9.375E-08	-1.85856	1739488	2612482	0	650.176
1997	4	1.787273E+07	1.372125E+13	7.452468E+14	3.283593E+13	4.200141E+14	1.042436E+12	2361060	3298640	1274392	1225390	825910.2	870965.8	9.375E-08	-1.85856	1738789	2609084	0	653.1851
1997	5	1.8072E+07	2.236683E+11	7.125663E+14	5.370407E+11	4.212421E+14	8.253452E+10	2360875	3296870	1274323	1224891	825557.8	868825.9	9.375E-08	-1.85856	1738073	2605606	0	653.9124
1997	6	1.827645E+07	2.917270E+11	7.126649E+14	9.802977E+11	4.225777E+14	1.623001E+11	2360698	3295172	1274257	1224416	825218.3	866764.3	9.375E-08	-1.85856	1737386	2602264	0	654.6586
1997	7	1.848434E+07	3.947116E+11	7.129606E+14	1.631638E+12	4.236914E+14	2.449872E+11	2360516	3293431	1274186	1223901	824869.1	864643.8	9.375E-08	-1.85856	1736680	2598835	0	655.4173
1997	8	1.868234E+07	5.970804E+11	7.133508E+14	2.375555E+12	4.251126E+14	3.277602E+11	2360336	3291704	1274116	1223395	824521.5	862532.8	9.375E-08	-1.85856	1735980	2595432	0	656.14
1997	9	1.887543E+07	9.327252E+11	7.138324E+14	3.093768E+12	4.264805E+14	4.429709E+11	2360163	3289045	1274050	1222913	824186.6	860496.1	9.375E-08	-1.85856	1735307	2592162	0	656.8446
1997	10	1.910657E+07	1.458416E+12	7.146128E+14	4.046534E+12	4.280889E+14	4.91033E+11	2359985	3288342	1273982	1222425	823842.2	858406.4	9.375E-08	-1.85856	1734618	2588811	0	657.6882
1997	11	1.928447E+07	2.244658E+12	7.157089E+14	5.166449E+12	4.298243E+14	5.717988E+11	2359815	3286705	1273918	1221960	823510.3	856390.4	9.375E-08	-1.85856	1733955	2585590	0	658.3375
1998	0	1.944833E+07	3.22259E+12	7.171451E+14	6.361235E+12	4.316403E+14	6.5541E+11	2359640	3285026	1273852	1221486	823168.4	854314.4	9.375E-08	-1.85856	1733275	2582282	0	658.9355
1998	1	1.961359E+07	4.96313E+12	7.191872E+14	7.890169E+12	4.337576E+14	7.39604E+11	2359466	3283358	1273788	1221020	822827.9	852246.3	9.375E-08	-1.85856	1732598	2578994	0	659.5386
1998	2	1.976192E+07	7.121761E+12	7.218162E+14	9.525486E+12	4.358847E+14	8.162228E+11	2359310	3281861	1273730	1220604	822521.4	850384.7	9.375E-08	-1.85856	1731991	2576042	0	660.08
1998	3	2.01426E+07	9.997277E+12	7.254011E+14	1.164979E+13	4.383182E+14	9.0166E+11	2359140	3280229	1273669	1220160	822184.8	848340.8	9.375E-08	-1.85856	1731327	2572719	0	661.4694
1998	4	2.095849E+07	1.375454E+13	7.303638E+14	1.453443E+13	4.418156E+14	9.857669E+11	2358981	3278699	1273614	1219764	821865	846398.6	9.375E-08	-1.85856	1730706	2569797	0	664.447
1998	5	2.115135E+07	2.558242E+11	7.160269E+14	5.529072E+11	4.43054E+14	8.258263E+10	2358817	3277134	1273552	1219313	821536.6	844403.9	9.375E-08	-1.85856	1730069	2566703	0	665.1509
1998	6	2.134961E+07	3.731745E+11	7.162028E+14	1.026346E+12	4.441918E+14	1.62426E+11	2358661	3275633	1273493	1218887	821230.2	842482.6	9.375E-08	-1.85856	1729458	2563734	0	665.8745
1998	7	2.155109E+07	4.267617E+11	7.16399E+14	1.719677E+12	4.455566E+14	2.452057E+11	2358501	3274096	1273433	1218455	820894.8	840506.3	9.375E-08	-1.85856	1728832	2560689	0	666.0080
1998	8	2.174269E+07	6.290767E+11	7.171341E+14	2.523086E+12	4.470221E+14	3.281122E+11	2358342	3272572	1273375	1218033	820570.9	838538.9	9.375E-08	-1.85856	1728210	2557669	0	667.3091
1998	9	2.192957E+07	9.646695E+11	7.178809E+14	3.331061E+12	4.484563E+14	4.085024E+11	2358189	3271104	1273319	1217633	820258.8	836643.4	9.375E-08	-1.85856	1727613	2554768	0	667.9911
1998	10	2.215431E+07	1.490307E+12	7.189571E+14	4.405159E+12	4.501554E+14	4.91894E+11	2358033	3269602	1273264	1217230	819937.9	834694.8	9.375E-08	-1.85856	1727003	2551798	0	668.8113
1998	11	2.232601E+07	2.276496E+12	7.203937E+14	5.534568E+12	4.518653E+14	5.728856E+11	2357883	3268161	1273211	1216849	819628.8	832816.9	9.375E-08	-1.85856	1726415	2548944	0	669.438
1999	0	2.248347E+07	3.410043E+12	7.224225E+14	6.999834E+12	4.538967E+14	6.570602E+11	2357729	3266682	1273158	1216461	819310.5	830883.7	9.375E-08	-1.85856	1725813	2546016	0	670.0126
1999	1	2.264232E+07	4.994861E+12	7.251517E+14	8.768348E+12	4.561882E+14	7.418327E+11	2357575	3265215	1273105	1216082	818993.4	828958.1	9.375E-08	-1.85856	1725214	2543106	0	670.5924
1999	2	2.278487E+07	7.153443E+12	7.286607E+14	1.074103E+13	4.585414E+14	8.192402E+11	2357438	3263898	1273059	1215745	818708	827224.9	9.375E-08	-1.85856	1724677	2540494	0	671.1127
1999	3	2.315914E+07	1.00289E+13	7.333023E+14	1.320324E+13	4.614374E+14	9.055892E+11	2357289	3262466	1273010	1215390	818394.8	825322.8	9.375E-08	-1.85856	1724091	2537647	0	672.4786
1999	4	2.366883E+07	1.378612E+13	7.396149E+14	1.655538E+13	4.630697E+14	9.908491E+11	2357149	3261127	1272953	1214982	818097.6	823517.4	9.375E-08	-1.85856	1723544	2534988	0	675.4337
1999	5	2.415545E+07	2.870185E+11	7.231704E+14	5.149558E+11	4.662765E+14	8.248449E+10	2357007	3259760	1272896	1214572	817792.4	821663.5	9.375E-08	-1.85856	1722984	2532267	0	676.1147
1999	6	2.434766E+07	3.44518E+11	7.232794E+14	9.664475E+11	4.673972E+14	1.622869E+11	2356870	3258450	1272843	1214187	817498.3	819877.6	9.375E-08	-1.85856	1722447	2529657	0	676.8163
1999	7	2.454289E+07	4.578528E+11	7.235745E+14	1.406127E+12	4.687172E+14	2.449541E+11	2356730	3257102	1272790	1213802	817195.9	818041.2	9.375E-08	-1.85856	1721897	2526985	0	677.5288
1999	8	2.472824E+07	6.601153E+11	7.239498E+14	2.216023E+12	4.70002E+14	3.724131E+11	2356591	3255768	1272738	1213428	816894.9	816213.4	9.375E-08	-1.85856	1721352	2524335	0	678.2053
1999	9	2.490908E+07	9.956573E+11	7.246551E+14	3.043696E+12	4.714616E+14	4.080355E+11	2356457	3254488	1272690	1213078	816605.1	814452.4	9.375E-08	-1.85856	1720829	2521792	0	678.86

2000	9	2.782061E+07	1.025798E+12	7.347638E+14	3.165383E+12	4.943971E+14	4.085425E+11	2354954	3240073	1272427	1211178	813207.4	793817.7	9.375E-08	-1.85856	1714908	2493015	0	689.4913
2000	10	2.803299E+07	1.551332E+12	7.361883E+14	4.174595E+12	4.960048E+14	4.920948E+11	2354838	3238954	1272427	1211178	812931.7	792143.1	9.375E-08	-1.85856	1714446	2490771	0	690.2664
2000	11	2.819274E+07	2.337421E+12	7.383244E+14	5.525627E+12	4.978808E+14	5.736677E+11	2354726	3237882	1272427	1211178	812666	790529.7	9.375E-08	-1.85856	1714003	2488618	0	690.8494
2001	0	2.833783E+07	3.470846E+12	7.411965E+14	7.062957E+12	4.999142E+14	6.583929E+11	2354611	3236784	1272427	1211178	812392.6	788868.7	9.375E-08	-1.85856	1713549	2486412	0	691.379
2001	1	2.848433E+07	5.055578E+12	7.451225E+14	9.056358E+12	5.023304E+14	7.44032E+11	2354498	3235696	1272427	1211178	812120.2	787214.6	9.375E-08	-1.85856	1713099	2484223	0	691.9136
2001	2	2.861572E+07	7.214067E+12	7.501907E+14	1.13217E+13	5.048702E+14	8.225785E+11	2354396	3234722	1272427	1211178	811875.1	785726.1	9.375E-08	-1.85856	1712695	2482260	0	692.3931
2001	3	2.877765E+07	1.008942E+13	7.568707E+14	1.425424E+13	5.080319E+14	9.104367E+11	2354285	3233660	1272427	1211178	811606.5	784094.8	9.375E-08	-1.85856	1712257	2480131	0	693.7141
2001	4	2.977538E+07	1.384654E+13	7.657263E+14	1.819181E+13	5.120207E+14	9.975709E+11	2354184	3232685	1272427	1211178	811352.1	782550.1	9.375E-08	-1.85856	1711852	2478163	0	696.6255
2001	5	2.994994E+07	3.469091E+12	7.476416E+14	5.144326E+11	5.132258E+14	8.248652E+10	2354080	3231692	1272427	1211178	811090.9	780964.3	9.375E-08	-1.85856	1711439	2476154	0	697.2626
2001	6	3.013049E+07	4.043106E+11	7.47819E+14	9.826384E+11	5.143554E+14	1.623351E+11	2353980	3230734	1272427	1211178	810839.6	779437.8	9.375E-08	-1.85856	1711043	2474231	0	697.9215
2001	7	3.031367E+07	5.175441E+11	7.481876E+14	1.640298E+12	5.156842E+14	2.450884E+11	2353878	3229757	1272427	1211178	810581.4	777868.9	9.375E-08	-1.85856	1710639	2472266	0	698.59
2001	8	3.048697E+07	7.197053E+11	7.48753E+14	2.304471E+12	5.170035E+14	3.279211E+11	2353777	3228791	1272427	1211178	810324.3	776307.5	9.375E-08	-1.85856	1710239	2470323	0	699.2225
2001	9	3.065614E+07	1.055149E+12	7.497495E+14	3.2187E+12	5.185179E+14	4.085501E+11	2353681	3227869	1272427	1211178	810076.8	774804	9.375E-08	-1.85856	1709856	2468462	0	699.84
2001	10	3.086258E+07	1.580633E+12	7.511425E+14	4.205356E+12	5.200968E+14	4.920622E+11	2353583	3226925	1272427	1211178	809823.1	773263.1	9.375E-08	-1.85856	1709463	2466552	0	700.4212
2001	11	3.101657E+07	2.366674E+12	7.531788E+14	5.390034E+12	5.218016E+14	5.734034E+11	2353488	3226018	1272427	1211178	809579.1	771781.1	9.375E-08	-1.85856	1709085	2464712	0	700.8201
2002	0	3.115573E+07	3.50067E+12	7.560954E+14	6.985983E+12	5.238741E+14	6.581616E+11	2353391	3225087	1272427	1211178	809328.4	770258.7	9.375E-08	-1.85856	1708695	2462817	0	701.1807
2002	1	3.129628E+07	5.464731E+12	7.596664E+14	8.828145E+12	5.261185E+14	7.436255E+11	2353295	3224161	1272427	1211178	809079.3	768745.6	9.375E-08	-1.85856	1708306	2460929	0	701.5447
2002	2	3.14223E+07	7.243174E+12	7.650292E+14	1.100836E+13	5.285434E+14	8.219961E+11	2353208	3223329	1272427	1211178	808855.6	767386.3	9.375E-08	-1.85856	1707957	2459229	0	701.8712
2002	3	3.177827E+07	1.011848E+13	7.715729E+14	1.369683E+13	5.314311E+14	9.094445E+11	2353113	3222422	1272427	1211178	808611.6	765903.9	9.375E-08	-1.85856	1707573	2457364	0	702.7935
2002	4	3.257025E+07	1.387554E+13	7.801124E+14	1.714093E+13	5.348994E+14	9.98581E+11	2353024	3221565	1272427	1211178	808383.2	764517.5	9.375E-08	-1.85856	1707209	2455598	0	704.8452
2002	5	3.274014E+07	3.756601E+12	7.630772E+14	5.142781E+11	5.361038E+14	8.248776E+10	2352932	3220687	1272427	1211178	808149.5	763098	9.375E-08	-1.85856	1706836	2453784	0	705.2853
2002	6	3.291616E+07	4.330226E+11	7.631693E+14	9.57741E+11	5.372151E+14	1.622542E+11	2352844	3219845	1272427	1211178	807925	761734.7	9.375E-08	-1.85856	1706477	2452037	0	705.7413
2002	7	3.309467E+07	5.462178E+11	7.632656E+14	1.41432E+12	5.38362E+14	2.446768E+11	2352754	3218981	1272427	1211178	807694.9	760337.7	9.375E-08	-1.85856	1706107	2450241	0	706.2038
2002	8	3.326329E+07	7.483399E+11	7.633941E+14	1.887644E+12	5.395227E+14	3.271468E+11	2352665	3218125	1272427	1211178	807466.7	758951.6	9.375E-08	-1.85856	1705739	2448453	0	706.6407
2002	9	3.342795E+07	1.083746E+12	7.63666E+14	2.51831E+12	5.4081E+14	4.071137E+11	2352579	3217303	1272427	1211178	807247.5	757620	9.375E-08	-1.85856	1705385	2446730	0	707.0672
2002	10	3.36297E+07	1.60919E+12	7.63963E+14	3.094638E+12	5.420676E+14	4.896394E+11	2352491	3216461	1272427	1211178	807023.1	756257.1	9.375E-08	-1.85856	1705021	2444960	0	707.5899
2002	11	3.377918E+07	2.395193E+12	7.641897E+14	3.677596E+12	5.433073E+14	5.695645E+11	2352407	3215653	1272427	1211178	806807.6	754947.6	9.375E-08	-1.85856	1704670	2443255	0	707.9771
2003	0	3.391365E+07	3.528547E+12	7.645601E+14	4.308708E+12	5.446126E+14	6.521562E+11	2352321	3214823	1272427	1211178	806586.1	753602.6	9.375E-08	-1.85856	1704309	2441500	0	708.3255
2003	1	3.404953E+07	5.113172E+12	7.649901E+14	4.962957E+12	5.459391E+14	7.347618E+11	2352235	3213999	1272427	1211178	806366.1	752266.4	9.375E-08	-1.85856	1703949	2439752	0	708.6776
2003	2	3.417132E+07	7.271579E+12	7.655159E+14	5.623441E+12	5.471994E+14	8.094629E+11	2352158	3213259	1272427	1211178	806168.7	751066.8	9.375E-08	-1.85856	1703625	2438177	0	708.993
2003	3	3.452263E+07	1.014685E+13	7.663638E+14	6.549726E+12	5.487727E+14	8.923786E+11	2352072	3212440	1272427	1211178	805953.6	749760.7	9.375E-08	-1.85856	1703270	2436451	0	709.9032
2003	4	3.531008E+07	1.390387E+13	7.675633E+14	7.638993E+12	5.504822E+14	9.72906E+11	2351993	3211680	1272427	1211178	805753.3	748544.3	9.375E-08	-1.85856	1702934	2434817	0	711.9432
2003	5	3.547594E+07	4.032445E+11	7.59911E+14	3.614648E+11	5.515395E+14	8.233055E+10	2351912	3210902	1272427	1211178	805548.4	747300	9.375E-08	-1.85856	1702589	2433141	0	712.3729
2003	6	3.564805E+07	4.605752E+11	7.599198E+14	7.120334E+11	5.526353E+14	1.619847E+11	2351834	3210156	1272427	1211178	805351.9	746106.6	9.375E-08	-1.85856	1702256	2431527	0	712.8188
2003	7	3.582252E+07	5.737356E+11	7.600639E+14	1.245007E+12	5.537829E+14	2.444972E+11	2351755	3209392	1272427	1211178	805150.6	744884.1	9.375E-08	-1.85856	1701915	2429688	0	713.2708
2003	8	3.598711E+07	7.758237E+11	7.601651E+14	1.703686E+12	5.549312E+14	3.269159E+11	2351676	3208635	1272427	1211178	804951.1	743672.3	9.375E-08	-1.85856	1701575	2428217	0	713.6971
2003	9	3.614785E+07	1.111197E+12	7.603016E+14	2.168643E+12	5.5606E+14	4.067329E+11	2351600	3207909	1272427	1211178	804759.7	742509.6	9.375E-08	-1.85856	1701248	2426627	0	714.1136
2003	10	3.634538E+07	1.636607E+12	7.604816E+14	2.662785E+12	5.572382E+14	4.89189E+11	2351523	3207167	1272427	1211178	804563.9	741320.4	9.375E-08	-1.85856	1700912	2424993	0	714.6259
2003	11	3.649114E+07	2.422577E+12	7.607898E+14	3.310061E+12	5.585398E+14	5.691674E+11	2351448	3206454	1272427	1211178	804375.9	740178.7	9.375E-08	-1.85856	1700588	2423419	0	715.0029
2004	0	3.662158E+07	3.555897E+12	7.610967E+14	3.911865E+12	5.598193E+14	6.517292E+11	2351372	3205723	1272427	1211178	804183	739007.4	9.375E-08	-1.85856	1700255	2421799	0	715.3409
2004	1	3.675342E+07	5.140488E+12	7.616082E+14	4.588454E+12	5.611573E+14	7.344056E+11	2351295	3204982	1272427	1211178	803991.5	737843.9	9.375E-08	-1.85856	1699923	2420186	0	715.6824
2004	2	3.687579E+07	7.298881E+12	7.622592E+14	5.302549E+12	5.624753E+14	8.118671E+11	2351223	3204294	1272427	1211178	803813.5	736762.9	9.375E-08	-1.85856	1699613	2418683	0	715.9995
2004	3	3.722306E+07	1.017411E+13	7.633575E+14	6.172237E+12	5.639634E+14	8.948856E+11	2351148	3203573	1272427	1211178	803626.8	735629.1	9.375E-08	-1.85856	1699286	2417092	0	716.8991
2004	4	3.80066E+07	1.393111E+13	7.649931E+14	7.346111E+12	5.656886E+14	9.757052E+11	2351078	3202906	1272427	1211178	803454.1	734579.9	9.375E-08	-1.85856	1698977	2415589	0	718.929
2004	5	3.816849E+07	4.302736E+11	7.577503E+14	5.14004E+11	5.668919E+14	8.24505E+10	2351007	3202225	1272427	1211178	803277.5	733507.8	9.375E-08	-1.85856	1698659	2414046	0	719.3484
2004	6	3.836676E+07	4.87572E+11	7.578412E+14	9.578672E+11	5.680022E+14	1.62258E+11	2350939	3201573	1272427	1211178	803108.3	732479.9	9.375E-08	-1.85856	1698354	2412562	0	719.7844
2004	7	3.850726E+07	6.60699E+11	7.579354E+14	1.4145E+12	5.691476E+14	2.448814E+11	2350906	3200906	1272427	1211178	802935.2	731428.8	9.375E-08	-1.				

2005	7	4.114122E+07 6.271032E+11 7.578848E+14 1.254137E+12 5.85565E+14 2.445382E+11 2350100	3193527	1272427	1211178	801053.6	719998.3	9.375E-08	-1.85856	1694497	2393814	0	727.0498
2005	8	4.129794E+07 8.291253E+11 7.579825E+14 1.712371E+12 5.867113E+14 3.269626E+11 2350041	3192960	1272427	1211178	800909.6	719123.6	9.375E-08	-1.85856	1694211	2392426	0	727.4558
2005	9	4.145106E+07 1.164434E+12 7.580989E+14 2.167115E+12 5.878304E+14 4.067383E+11 2349985	3192419	1272427	1211178	800771.9	718287	9.375E-08	-1.85856	1693936	2391091	0	727.8525
2005	10	4.164092E+07 1.689779E+12 7.583954E+14 2.698272E+12 5.890314E+14 4.892774E+11 2349925	3191844	1272427	1211178	800631.4	717433.7	9.375E-08	-1.85856	1693655	2389721	0	728.3444
2005	11	4.177886E+07 2.475685E+12 7.588409E+14 3.267773E+12 5.902337E+14 5.692513E+11 2349868	3191293	1272427	1211178	800496.8	716616.6	9.375E-08	-1.85856	1693383	2388402	0	728.7017
2006	0	4.190144E+07 3.608939E+12 7.596877E+14 4.105491E+12 5.916912E+14 6.522746E+11 2349809	3190730	1272427	1211178	800359.1	715780.3	9.375E-08	-1.85856	1693104	2387043	0	729.0193
2006	1	4.202541E+07 5.193464E+12 7.608861E+14 4.99183E+12 5.931635E+14 7.354276E+11 2349751	3190172	1272427	1211178	800222.7	714952.1	9.375E-08	-1.85856	1692826	2385691	0	729.3405
2006	2	4.213645E+07 7.351781E+12 7.626912E+14 6.04431E+12 5.946763E+14 8.109923E+11 2349699	3189673	1272427	1211178	800100.4	714209.4	9.375E-08	-1.85856	1692575	2384475	0	729.6281
2006	3	4.247584E+07 1.022695E+13 7.652477E+14 7.371189E+12 5.964592E+14 8.949983E+11 2349643	3189135	1272427	1211178	799968.8	713409.4	9.375E-08	-1.85856	1692302	2383146	0	730.3074
2006	4	4.325177E+07 1.398388E+13 7.689603E+14 9.195219E+12 5.986074E+14 9.772178E+11 2349592	3188647	1272427	1211178	799848.9	712681.5	9.375E-08	-1.85856	1692044	2381895	0	732.5175
2006	5	4.340593E+07 4.827178E+12 7.597684E+14 3.610673E+11 5.996631E+14 8.232087E+10 2349540	3188150	1272427	1211178	799726.8	711940.4	9.375E-08	-1.85856	1691780	2380612	0	732.9169
2006	6	4.356672E+07 5.399534E+11 7.599074E+14 8.816931E+11 6.008457E+14 1.621757E+11 2349491	3187677	1272427	1211178	799610.2	711231.9	9.375E-08	-1.85856	1691527	2379378	0	733.3335
2006	7	4.372949E+07 6.530154E+11 7.600161E+14 1.348503E+12 6.019972E+14 2.944656E+11 2349440	3187195	1272427	1211178	799491.4	710510.6	9.375E-08	-1.85856	1691266	2378110	0	733.7552
2006	8	4.388238E+07 8.550052E+11 7.601243E+14 1.812527E+12 6.031474E+14 3.270765E+11 2349391	3186719	1272427	1211178	799374.3	709799.3	9.375E-08	-1.85856	1691006	2376849	0	734.1512
2006	9	4.40318E+07 1.190283E+12 7.604142E+14 2.330752E+12 6.043105E+14 4.0696E+11 2349340	3186235	1272427	1211178	799262.3	709118.9	9.375E-08	-1.85856	1690757	2375636	0	734.5383
2006	10	4.421782E+07 1.715596E+12 7.609494E+14 3.061786E+12 6.05688E+14 4.897613E+11 2349289	3185743	1272427	1211178	799148.6	708428.1	9.375E-08	-1.85856	1690501	2374392	0	735.0203
2006	11	4.435206E+07 2.50147E+12 7.617265E+14 3.800533E+12 6.070245E+14 5.699993E+11 2349240	3185274	1272427	1211178	799039.9	707768	9.375E-08	-1.85856	1690255	2373195	0	735.368
2007	0	4.44708E+07 3.64692E+12 7.62624E+14 4.705559E+12 6.08503E+14 6.531716E+11 2349190	3184794	1272427	1211178	798928.6	707092.3	9.375E-08	-1.85856	1690001	2371964	0	735.6757
2007	1	4.459094E+07 5.219185E+12 7.647775E+14 5.796455E+12 6.10109E+14 7.367037E+11 2349140	3184320	1272427	1211178	798818.6	706424.5	9.375E-08	-1.85856	1689749	2370739	0	735.9869
2007	2	4.469852E+07 7.377473E+12 7.673851E+14 7.11216E+12 6.17912E+14 8.127971E+11 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	736.2656
2007	3	4.4982E+07 1.025207E+13 7.734603E+14 1.216391E+13 6.161585E+14 9.012305E+11 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2007	4	4.4982E+07 1.400112E+13 7.681169E+14 1.613407E+13 6.08472E+14 9.740825E+11 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2007	5	4.4982E+07 4.980212E+11 7.494587E+14 3.593456E+11 6.088501E+14 8.204345E+10 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2007	6	4.4982E+07 5.535723E+11 7.468406E+14 7.046277E+11 6.077357E+14 1.608736E+11 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2007	7	4.4982E+07 6.649338E+11 7.442096E+14 1.058971E+12 6.066373E+14 2.417724E+11 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2007	8	4.4982E+07 8.65332E+11 7.41758E+14 1.411131E+12 6.05678E+14 3.221728E+11 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2007	9	4.4982E+07 1.199059E+12 7.393769E+14 1.749671E+12 6.047361E+14 3.994636E+11 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2007	10	4.4982E+07 1.722449E+12 7.364254E+14 2.095774E+12 6.033537E+14 4.784813E+11 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2007	11	4.4982E+07 2.506947E+12 7.343204E+14 2.430503E+12 6.026245E+14 5.549022E+11 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	0	4.4982E+07 3.638957E+12 7.324745E+14 2.775585E+12 6.021358E+14 6.336865E+11 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	1	4.4982E+07 5.22228E+12 7.306159E+14 3.11884E+12 6.016314E+14 7.120539E+11 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	2	4.4982E+07 7.379399E+12 7.289008E+14 3.438446E+12 6.011743E+14 7.850221E+11 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	3	4.4982E+07 1.025117E+13 7.237093E+14 3.760939E+12 5.979063E+14 8.586494E+11 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	4	4.4982E+07 1.40005E+13 7.119855E+14 4.030633E+12 5.891856E+14 9.201604E+11 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	5	4.4982E+07 4.963383E+11 7.055788E+14 3.593456E+11 5.882579E+14 8.204367E+10 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	6	4.4982E+07 5.518953E+11 7.031141E+14 7.046277E+11 5.872154E+14 1.608738E+11 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	7	4.4982E+07 6.632627E+11 7.006373E+14 1.058971E+12 5.861894E+14 2.417726E+11 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	8	4.4982E+07 8.636664E+11 6.983293E+14 1.411131E+12 5.852975E+14 3.22173E+11 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	9	4.4982E+07 1.197398E+12 6.960878E+14 1.749671E+12 5.844211E+14 3.994638E+11 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	10	4.4982E+07 1.720796E+12 6.932091E+14 2.095774E+12 5.831198E+14 4.784815E+11 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	11	4.4982E+07 2.505298E+12 6.913275E+14 2.430503E+12 5.824485E+14 5.549025E+11 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	0	4.4982E+07 3.637312E+12 6.895897E+14 2.775585E+12 5.820105E+14 6.336868E+11 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	1	4.4982E+07 5.220587E+12 6.8784E+14 3.11884E+12 5.815572E+14 7.120541E+11 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	2	4.4982E+07 7.377789E+12 6.86281E+14 3.42745E+12 5.811615E+14 7.825119E+11 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	3	4.4982E+07 1.024957E+13 6.813927E+14 3.790048E+12 5.780358E+14 8.56163E+11 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	4	4.4982E+07 1.399893E+13 6.705357E+14 4.019692E+12 5.696363E+14 9.177192E+11 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	5	4.4982E+07 4.946482E+11 6.60975E+14 3.593456E+11 5.887743E+14 8.204392E+10 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	6	4.4982E+07 5.502112E+11 6.617778E+14 7.046277E+11 5.677999E+14 1.608741E+11 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	7	4.4982E+07 6.615845E+11 6.594467E+14 1.058971E+12 5.684723E+14 2.417729E+11 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	8	4.4982E+07 8.619938E+11 6.572744E+14 1.411131E+12 5.680142E+14 3.221733E+11 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	9	4.4982E+07 1.197371E+12 6.551648E+14 1.749671E+12 5.651998E+14 3.994641E+11 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	10	4.4982E+07 1.719135E+12 6.525496E+14 2.095774E+12 5.639752E+14 4.784818E+11 2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	11	4.4982E+07 2.503641E+12 6.506846E+14 2.430503E+12 5.63											

2010	5	4.4982E+07	4.929476E+11	6.248206E+14	3.593456E+11	5.50326E+14	8.204418E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2010	6	4.4982E+07	5.485165E+11	6.226382E+14	7.046277E+11	5.494161E+14	1.608743E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2010	7	4.4982E+07	6.598959E+11	6.20445E+14	1.058971E+12	5.485234E+14	2.417732E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2010	8	4.4982E+07	8.603107E+11	6.184014E+14	1.411131E+12	5.477556E+14	3.221735E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2010	9	4.4982E+07	1.194053E+12	6.164167E+14	1.749671E+12	5.469998E+14	3.994644E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2010	10	4.4982E+07	1.717464E+12	6.139562E+14	2.095774E+12	5.45848E+14	4.78482E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2010	11	4.4982E+07	2.501975E+12	6.122016E+14	2.430503E+12	5.452833E+14	5.549029E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	0	4.4982E+07	3.633998E+12	6.106629E+14	2.549389E+12	5.449389E+14	6.336873E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	1	4.4982E+07	5.217282E+12	6.091137E+14	3.11884E+12	5.445797E+14	7.120547E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	2	4.4982E+07	7.374491E+12	6.077333E+14	3.42745E+12	5.442679E+14	7.825124E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	3	4.4982E+07	1.02463E+13	6.034047E+14	3.750048E+12	5.41405E+14	8.561635E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	4	4.4982E+07	1.399571E+13	5.936292E+14	4.019669E+12	5.335992E+14	9.177197E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	5	4.4982E+07	4.912359E+12	5.876308E+14	3.593456E+11	5.328581E+14	8.204449E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	6	4.4982E+07	5.468108E+11	5.85578E+14	7.046277E+11	5.320093E+14	1.608746E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	7	4.4982E+07	6.581961E+11	5.835159E+14	1.058971E+12	5.311779E+14	2.417735E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	8	4.4982E+07	8.586165E+11	5.81594E+14	1.411131E+12	5.304674E+14	3.221738E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	9	4.4982E+07	1.192365E+12	5.797275E+14	1.749671E+12	5.29671E+14	3.994646E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	10	4.4982E+07	1.715782E+12	5.774136E+14	2.095774E+12	5.286841E+14	4.784823E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	11	4.4982E+07	2.500298E+12	5.757633E+14	2.430503E+12	5.281685E+14	5.549032E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	0	4.4982E+07	3.632325E+12	5.743166E+14	2.77585E+12	5.245269E+14	8.586504E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	1	4.4982E+07	5.215613E+12	5.728596E+14	3.11884E+12	5.275513E+14	7.120549E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	2	4.4982E+07	7.3728E+12	5.715133E+14	3.438446E+12	5.272684E+14	7.850231E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	3	4.4982E+07	1.024462E+13	5.67445E+14	3.76039E+12	5.245269E+14	8.586504E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	4	4.4982E+07	1.399406E+13	5.58233E+14	4.030363E+12	5.169951E+14	9.201614E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	5	4.4982E+07	4.895095E+11	5.523428E+14	3.593456E+11	5.163099E+14	8.204481E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	6	4.4982E+07	5.450903E+11	5.504336E+14	7.046277E+11	5.155189E+14	1.608749E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	7	4.4982E+07	6.564818E+11	5.48495E+14	1.058971E+12	5.147456E+14	2.417738E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	8	4.4982E+07	8.569078E+11	5.466886E+14	1.411131E+12	5.140892E+14	3.221742E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	9	4.4982E+07	1.190661E+12	5.449342E+14	1.749671E+12	5.134416E+14	3.99465E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	10	4.4982E+07	1.714086E+12	5.427593E+14	2.095774E+12	5.124238E+14	4.784826E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	11	4.4982E+07	2.498607E+12	5.412083E+14	2.430503E+12	5.119548E+14	5.549035E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	0	4.4982E+07	3.63038E+12	5.398483E+14	2.775385E+12	5.116941E+14	6.336878E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	1	4.4982E+07	5.21393E+12	5.384789E+14	3.11884E+12	5.114194E+14	7.120552E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	2	4.4982E+07	7.371147E+12	5.372588E+14	3.42745E+12	5.111828E+14	7.825129E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	3	4.4982E+07	1.024298E+13	5.334324E+14	3.750048E+12	5.08557E+14	8.561641E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	4	4.4982E+07	1.399244E+13	5.247907E+14	4.019669E+12	5.012821E+14	9.177203E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	5	4.4982E+07	4.877729E+11	5.190235E+14	3.593456E+11	5.006496E+14	8.204517E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	6	4.4982E+07	5.433599E+11	5.172109E+14	7.046277E+11	4.999134E+14	1.608753E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	7	4.4982E+07	6.547574E+11	5.153895E+14	1.058971E+12	4.991951E+14	2.417741E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	8	4.4982E+07	8.551892E+11	5.136922E+14	1.411131E+12	4.9859E+14	3.221745E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	9	4.4982E+07	1.188948E+12	5.120438E+14	1.749671E+12	4.979921E+14	3.994653E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	10	4.4982E+07	1.712379E+12	5.100002E+14	2.095774E+12	4.97036E+14	4.78483E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	11	4.4982E+07	2.496905E+12	5.08543E+14	2.430503E+12	4.96611E+14	5.549039E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2014	0	4.4982E+07	3.628941E+12	5.072652E+14	2.775385E+12	4.96389E+14	6.336882E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2014	1	4.4982E+07	5.21237E+12	5.059786E+14	3.11884E+12	4.961532E+14	7.120556E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2014	2	4.4982E+07	7.369438E+12	5.048322E+14	3.42745E+12	4.959512E+14	7.825133E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2014	3	4.4982E+07	1.02413E+13	5.012368E+14	3.750048E+12	4.934326E+14	8.561645E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2014	4	4.4982E+07	1.399079E+13	4.931168E+14	4.019669E+12	4.864041E+14	9.177207E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737

2015	3	4.4982E+07	1.023961E+13	4.70752E+14	3.750048E+12	4.791132E+14	8.561649E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	4	4.4982E+07	1.398913E+13	4.63126E+14	4.019669E+12	4.723167E+14	9.17721E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	5	4.4982E+07	4.842575E+11	4.57566E+14	3.593456E+11	4.717815E+14	8.204602E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	6	4.4982E+07	5.398567E+11	4.559682E+14	7.046277E+11	4.711462E+14	1.608761E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	7	4.4982E+07	6.512666E+11	4.543626E+14	1.058971E+12	4.70293E+14	2.41775E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	8	4.4982E+07	8.517099E+11	4.528665E+14	1.411131E+12	4.700187E+14	3.221753E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	9	4.4982E+07	1.18548E+12	4.514135E+14	1.749671E+12	4.695126E+14	3.994662E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	10	4.4982E+07	1.708925E+12	4.496121E+14	2.095774E+12	4.686703E+14	4.784838E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	11	4.4982E+07	2.493461E+12	4.483276E+14	2.430503E+12	4.683265E+14	5.549048E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	0	4.4982E+07	3.625505E+12	4.472014E+14	2.775585E+12	4.681756E+14	6.336891E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	1	4.4982E+07	5.20881E+12	4.460673E+14	3.11884E+12	4.680114E+14	7.120564E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	2	4.4982E+07	7.366013E+12	4.450208E+14	3.438446E+12	4.678683E+14	7.850246E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	3	4.4982E+07	1.023788E+13	4.418518E+14	3.760939E+12	4.655501E+14	8.58652E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	4	4.4982E+07	1.398743E+13	4.346946E+14	4.030363E+12	4.589738E+14	9.201629E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	5	4.4982E+07	4.824736E+11	4.292194E+14	3.593456E+11	4.584834E+14	8.204651E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	6	4.4982E+07	5.380791E+11	4.277207E+14	7.046277E+11	4.578946E+14	1.608766E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	7	4.4982E+07	6.494952E+11	4.262147E+14	1.058971E+12	4.573245E+14	2.41775E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	8	4.4982E+07	8.499444E+11	4.248114E+14	1.411131E+12	4.568573E+14	3.221758E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	9	4.4982E+07	1.18372E+12	4.234485E+14	1.749671E+12	4.563936E+14	3.994666E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	10	4.4982E+07	1.707172E+12	4.217588E+14	2.095774E+12	4.550566E+14	5.549052E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	11	4.4982E+07	2.491713E+12	4.20554E+14	2.430503E+12	4.552972E+14	5.549052E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	0	4.4982E+07	3.623762E+12	4.194976E+14	2.775585E+12	4.551791E+14	6.336895E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	1	4.4982E+07	5.207071E+12	4.184339E+14	3.11884E+12	4.550479E+14	7.120569E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	2	4.4982E+07	7.364303E+12	4.174861E+14	3.42745E+12	4.549391E+14	7.825146E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	3	4.4982E+07	1.023618E+13	4.145131E+14	3.750048E+12	4.527128E+14	8.561657E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	4	4.4982E+07	1.398576E+13	4.077983E+14	4.019669E+12	4.463441E+14	9.177219E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	5	4.4982E+07	4.806755E+11	4.024241E+14	3.593456E+11	4.458961E+14	8.204703E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	6	4.4982E+07	5.362873E+11	4.010191E+14	7.046277E+11	4.453513E+14	1.608771E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	7	4.4982E+07	6.477097E+11	3.996072E+14	1.058971E+12	4.448254E+14	2.41776E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	8	4.4982E+07	8.481647E+11	3.982916E+14	1.411131E+12	4.443995E+14	3.221764E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	9	4.4982E+07	1.181946E+12	3.970139E+14	1.749671E+12	4.439757E+14	3.994671E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	10	4.4982E+07	1.545405E+12	3.954298E+14	2.095774E+12	4.432354E+14	4.784848E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	11	4.4982E+07	2.489951E+12	3.943003E+14	2.430503E+12	4.429643E+14	5.549057E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	0	4.4982E+07	3.622004E+12	3.9331E+14	2.775585E+12	4.428773E+14	6.3369E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	1	4.4982E+07	5.205318E+12	3.923127E+14	3.11884E+12	4.427773E+14	7.120574E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	2	4.4982E+07	7.362555E+12	3.914242E+14	3.42745E+12	4.426964E+14	7.825151E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	3	4.4982E+07	1.023445E+13	3.886369E+14	3.750048E+12	4.405573E+14	8.561662E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	4	4.4982E+07	1.398405E+13	3.823414E+14	4.019669E+12	4.343855E+14	9.177224E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	5	4.4982E+07	4.78859E+11	3.770527E+14	3.593456E+11	4.339778E+14	8.204764E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	6	4.4982E+07	5.344771E+11	3.757364E+14	7.046277E+11	4.334746E+14	1.608778E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	7	4.4982E+07	6.45906E+11	3.744136E+14	1.058971E+12	4.329905E+14	2.41776E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	8	4.4982E+07	8.463669E+11	3.731811E+14	1.411131E+12	4.326036E+14	3.221769E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	9	4.4982E+07	1.180154E+12	3.71984E+14	1.749671E+12	4.322178E+14	3.994678E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	10	4.4982E+07	1.70362E+12	3.705E+14	2.095774E+12	4.315244E+14	4.784854E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	11	4.4982E+07	2.488172E+12	3.694417E+14	2.430503E+12	4.312868E+14	5.549044E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2019	0	4.4982E+07	3.620229E+12	3.68514E+14	2.775585E+12	4.312291E+14	6.336907E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2019	1	4.4982E+07	5.203548E+12	3.675797E+14	3.11884E+12	4.311588E+14	7.12058E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2019	2	4.4982E+07	7.360788E+12	3.667473E+14	3.42745E+12	4.311042E+14	7.825158E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737</

2020	1	4.4982E+07	5.201737E+12	3.44161E+14	3.11884E+12	4.201577E+14	7.120587E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	2	4.4982E+07	7.358977E+12	3.433599E+14	3.438446E+12	4.20127E+14	7.850268E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	3	4.4982E+07	1.02309E+13	3.409093E+14	3.760939E+12	4.181489E+14	8.586541E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	4	4.4982E+07	1.398056E+13	3.533876E+14	4.030363E+12	4.123407E+14	9.201651E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	5	4.4982E+07	4.751618E+11	3.30246E+14	3.593456E+11	4.120069E+14	8.204904E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	6	4.4982E+07	5.307928E+11	3.290932E+14	7.046277E+11	4.115806E+14	1.608791E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	7	4.4982E+07	6.422346E+11	3.279349E+14	1.058971E+12	4.111737E+14	2.41778E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	8	4.4982E+07	8.427076E+11	3.268556E+14	1.411131E+12	4.108587E+14	3.221784E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	9	4.4982E+07	1.176507E+12	3.258073E+14	1.749671E+12	4.105427E+14	3.994691E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	10	4.4982E+07	1.699988E+12	3.245077E+14	2.095774E+12	4.099359E+14	4.784868E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	11	4.4982E+07	2.484549E+12	3.235811E+14	2.430503E+12	4.097701E+14	5.549077E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	0	4.4982E+07	3.616616E+12	3.227686E+14	2.775585E+12	4.097566E+14	6.33692E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	1	4.4982E+07	5.199943E+12	3.219506E+14	3.11884E+12	4.097408E+14	7.120594E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	2	4.4982E+07	7.357192E+12	3.212217E+14	3.42745E+12	4.097348E+14	7.825171E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	3	4.4982E+07	1.022912E+13	3.189346E+14	3.750048E+12	4.078306E+14	8.561682E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	4	4.4982E+07	1.397881E+13	3.137685E+14	4.019669E+12	4.02189E+14	9.172743E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	5	4.4982E+07	4.732808E+11	3.087101E+14	3.593456E+11	4.108894E+14	8.204904E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	6	4.4982E+07	5.289184E+11	3.076327E+14	7.046277E+11	4.014984E+14	1.6088E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	7	4.4982E+07	6.403668E+11	3.0635E+14	1.058971E+12	4.011271E+14	2.41778E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	8	4.4982E+07	8.40846E+11	3.055412E+14	1.411131E+12	4.008452E+14	3.221791E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	9	4.4982E+07	1.174651E+12	3.045614E+14	1.749671E+12	4.005614E+14	3.9947E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	10	4.4982E+07	1.698139E+12	3.033466E+14	2.095774E+12	3.999944E+14	4.784876E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	11	4.4982E+07	2.482706E+12	3.024805E+14	2.430503E+12	3.998471E+14	5.549085E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2022	0	4.4982E+07	3.614777E+12	3.017212E+14	2.775585E+12	3.996885E+14	6.336928E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2022	1	4.4982E+07	5.19811E+12	3.009566E+14	3.11884E+12	3.998778E+14	7.120602E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2022	2	4.4982E+07	7.355362E+12	3.002754E+14	3.42745E+12	3.998942E+14	7.825179E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2022	3	4.4982E+07	1.0222731E+13	3.981375E+14	3.750048E+12	3.98001E+14	8.56169E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2022	4	4.4982E+07	1.397703E+13	2.933084E+14	4.019669E+12	3.925769E+14	9.172751E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2022	5	4.4982E+07	4.713746E+11	2.883187E+14	3.593456E+11	3.923096E+14	8.205078E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2022	6	4.4982E+07	5.270189E+11	2.873126E+14	7.046277E+11	3.919521E+14	1.608809E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2022	7	4.4982E+07	6.38474E+11	2.863015E+14	1.058971E+12	3.916143E+14	2.417797E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2022	8	4.4982E+07	8.389595E+11	2.853595E+14	1.411131E+12	3.913639E+14	3.221801E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2022	9	4.4982E+07	1.172771E+12	2.844445E+14	1.749671E+12	3.911105E+14	3.994709E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2022	10	4.4982E+07	1.696266E+12	2.833101E+14	2.095774E+12	3.905813E+14	4.784885E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2022	11	4.4982E+07	2.480839E+12	2.825013E+14	2.430503E+12	3.904608E+14	5.549094E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2023	0	4.4982E+07	3.612914E+12	2.817922E+14	2.775585E+12	3.905059E+14	6.336937E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2023	1	4.4982E+07	5.196251E+12	2.810783E+14	3.11884E+12	3.90539E+14	7.120611E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2023	2	4.4982E+07	7.353508E+12	2.804421E+14	3.42745E+12	3.905766E+14	7.825188E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2023	3	4.4982E+07	1.022547E+13	2.784456E+14	3.750048E+12	3.888089E+14	8.561699E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2023	4	4.4982E+07	1.397521E+13	2.799355E+14	4.019669E+12	3.834756E+14	9.17726E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2023	5	4.4982E+07	4.694412E+11	2.690109E+14	3.593456E+11	3.832388E+14	8.20518E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2023	6	4.4982E+07	5.250922E+11	2.680723E+14	7.046277E+11	3.82913E+14	1.608819E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2023	7	4.4982E+07	6.363541E+11	2.67129E+14	1.058971E+12	3.826072E+14	2.417807E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2023	8	4.4982E+07	8.370458E+11	2.662302E+14	1.411131E+12	3.823864E+14	3.221811E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2023	9	4.4982E+07	1.170863E+12	2.653966E+14	1.749671E+12	3.821618E+14	3.994718E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2023	10	4.4982E+07	1.694366E+12	2.643383E+14	2.095774E+12	3.81683E+14	4.784895E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2023	11	4.4982E+07	2.478944E+12	2.635838E+14	2.430503E+12	3.815734E+14	5.549104E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2024	0	4.4982E+07	3.611025E+12	2.629223E+14	2.775585E+12	3.816409E+14	6.336947E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	7

2024	11	4.4982E+07	2.477017E+12	2.456414E+14	2.430503E+12	3.731607E+14	5.549115E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2025	0	4.4982E+07	3.609103E+12	2.450251E+14	2.775585E+12	3.732493E+14	6.336958E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2025	1	4.4982E+07	5.19245E+12	2.444045E+14	3.11884E+12	3.733262E+14	7.120632E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2025	2	4.4982E+07	7.349716E+12	2.438515E+14	3.42745E+12	3.734029E+14	7.825209E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2025	3	4.4982E+07	1.02217E+13	2.421157E+14	3.750048E+12	3.717575E+14	8.561719E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2025	4	4.4982E+07	1.397151E+13	2.381943E+14	4.019669E+12	3.667005E+14	9.17722E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2025	5	4.4982E+07	4.654791E+11	2.333898E+14	3.593456E+11	3.665201E+14	8.205426E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2025	6	4.4982E+07	5.211439E+11	2.325757E+14	7.046277E+11	3.662527E+14	1.608843E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2025	7	4.4982E+07	6.326198E+11	2.317576E+14	1.058971E+12	3.660056E+14	2.417832E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2025	8	4.4982E+07	8.331246E+11	2.309953E+14	1.411131E+12	3.658396E+14	3.221835E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2025	9	4.4982E+07	1.166954E+12	2.30255E+14	1.749671E+12	3.656681E+14	3.994743E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2025	10	4.4982E+07	1.690473E+12	2.29337E+14	2.095774E+12	3.652406E+14	4.784919E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2025	11	4.4982E+07	2.475062E+12	2.286826E+14	2.430503E+12	3.651926E+14	5.549128E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2026	0	4.4982E+07	3.607152E+12	2.28109E+14	2.775585E+12	3.653015E+14	6.336977E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2026	1	4.4982E+07	5.190504E+12	2.275314E+14	3.11884E+12	3.653984E+14	7.120644E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2026	2	4.4982E+07	7.347775E+12	2.270167E+14	3.42745E+12	3.65493E+14	7.825222E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2026	3	4.4982E+07	1.021977E+13	2.254009E+14	3.750048E+12	3.63904E+14	8.561732E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2026	4	4.4982E+07	1.396961E+13	2.217503E+14	4.019669E+12	3.589742E+14	9.177292E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2026	5	4.4982E+07	4.634482E+11	2.17001E+14	3.593456E+11	3.588198E+14	8.205573E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2026	6	4.4982E+07	5.191201E+11	2.162442E+14	7.046277E+11	3.65793E+14	1.608858E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2026	7	4.4982E+07	6.306031E+11	2.154836E+14	1.058971E+12	3.583593E+14	2.417846E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2026	8	4.4982E+07	8.311146E+11	2.14775E+14	1.411131E+12	3.582184E+14	3.221849E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2026	9	4.4982E+07	1.164951E+12	2.140868E+14	1.749671E+12	3.580715E+14	3.994774E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2026	10	4.4982E+07	1.688478E+12	2.132334E+14	2.095774E+12	3.576742E+14	4.784933E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2026	11	4.4982E+07	2.473072E+12	2.126251E+14	2.430503E+12	3.576479E+14	5.549142E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2027	0	4.4982E+07	3.605167E+12	2.120918E+14	2.775585E+12	3.577756E+14	6.336985E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2027	1	4.4982E+07	5.188524E+12	2.115549E+14	3.11884E+12	3.578918E+14	7.120659E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2027	2	4.4982E+07	7.345799E+12	2.110765E+14	3.42745E+12	3.580034E+14	7.825236E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2027	3	4.4982E+07	1.021781E+13	2.095742E+14	3.750048E+12	3.564678E+14	8.561746E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2027	4	4.4982E+07	1.396768E+13	2.061801E+14	4.019669E+12	3.516585E+14	9.177306E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2027	5	4.4982E+07	4.613785E+11	2.014831E+14	3.593456E+11	3.515286E+14	8.205738E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2027	6	4.4982E+07	5.170577E+11	2.007805E+14	7.046277E+11	3.513137E+14	1.608875E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2027	7	4.4982E+07	6.28548E+11	2.000745E+14	1.058971E+12	3.511192E+14	2.417863E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2027	8	4.4982E+07	8.290662E+11	1.994166E+14	1.411131E+12	3.510023E+14	3.221866E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2027	9	4.4982E+07	1.162909E+12	1.987777E+14	1.749671E+12	3.508785E+14	3.994774E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2027	10	4.4982E+07	1.686444E+12	1.979855E+14	2.095774E+12	3.5051E+14	4.78495E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2027	11	4.4982E+07	2.471044E+12	1.974208E+14	2.430503E+12	3.505042E+14	5.549159E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	0	4.4982E+07	3.603145E+12	1.969258E+14	2.775585E+12	3.506498E+14	6.337002E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	1	4.4982E+07	5.186507E+12	1.964274E+14	3.11884E+12	3.507841E+14	7.120675E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	2	4.4982E+07	7.343762E+12	1.959675E+14	3.438446E+12	3.509165E+14	7.830357E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	3	4.4982E+07	1.021579E+13	1.94573E+14	3.760939E+12	3.494315E+14	8.586629E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	4	4.4982E+07	1.396569E+13	1.914221E+14	4.030363E+12	3.447366E+14	9.201737E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	5	4.4982E+07	4.592625E+11	1.867641E+14	3.593456E+11	3.446299E+14	8.205927E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	6	4.4982E+07	5.149491E+11	1.861129E+14	7.046277E+11	3.444391E+14	1.608893E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	7	4.4982E+07	6.264468E+11	1.854586E+14	1.058971E+12	3.442689E+14	2.417881E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	8	4.4982E+07	8.269719E+11	1.84849E+14	1.411131E+12	3.441745E+14	3.221885E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	9	4.4982E+07	1.160822E+12	1.842569E+14	1.749671E+12	3.440726E+14	3.994792E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	10	4.4982E+07	1.684365E+12	1.835227E+14	2.095774E+12	3.437314E+14	4.784969E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	11	4.4982E+07	2.4																

2029	9	4.4982E+07	1.158692E+12	1.705331E+14	1.749671E+12	3.376236E+14	3.994814E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2029	10	4.4982E+07	1.682243E+12	1.698536E+14	2.095774E+12	3.37308E+14	4.78499E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2029	11	4.4982E+07	2.466856E+12	1.693694E+14	2.430503E+12	3.3734E+14	5.549199E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	0	4.4982E+07	3.598967E+12	1.68945E+14	2.775585E+12	3.375187E+14	6.337042E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	1	4.4982E+07	5.182339E+12	1.685177E+14	3.16277E+14	7.120714E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737	
2030	2	4.4982E+07	7.339628E+12	1.681369E+14	3.42745E+12	3.378439E+14	7.825291E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	3	4.4982E+07	1.021168E+13	1.669406E+14	3.750048E+12	3.364519E+14	8.561801E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	4	4.4982E+07	1.396166E+13	1.642372E+14	4.019669E+12	3.316696E+14	9.177361E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	5	4.4982E+07	4.548924E+11	1.596811E+14	3.593456E+11	3.319032E+14	8.206388E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	6	4.4982E+07	5.105943E+11	1.591247E+14	7.046277E+11	3.317569E+14	1.608939E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	7	4.4982E+07	6.221074E+11	1.585655E+14	1.058971E+12	3.316314E+14	2.417927E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	8	4.4982E+07	8.226468E+11	1.580445E+14	1.411131E+12	3.315786E+14	3.22193E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	9	4.4982E+07	1.15651E+12	1.575385E+14	1.749671E+12	3.315173E+14	3.994838E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	10	4.4982E+07	1.680071E+12	1.56911E+14	2.095774E+12	3.312261E+14	4.785014E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	11	4.4982E+07	2.464689E+12	1.564638E+14	2.430503E+12	3.312755E+14	5.549222E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	0	4.4982E+07	3.598806E+12	1.560719E+14	2.775585E+12	3.314694E+14	6.337065E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	1	4.4982E+07	5.180184E+12	1.556772E+14	3.11884E+12	3.316525E+14	7.120738E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	2	4.4982E+07	7.337478E+12	1.553256E+14	3.42745E+12	3.318236E+14	7.825315E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	3	4.4982E+07	1.020955E+13	1.542205E+14	3.750048E+12	3.304745E+14	8.561825E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	4	4.4982E+07	1.395955E+13	1.517233E+14	4.019669E+12	3.316696E+14	9.177384E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	5	4.4982E+07	4.52624E+11	1.472092E+14	3.593456E+11	3.260424E+14	8.206673E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	6	4.4982E+07	5.083338E+11	1.466964E+14	7.046277E+11	3.259166E+14	1.608968E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	7	4.4982E+07	6.198548E+11	1.46181E+14	1.058971E+12	3.328117E+14	2.417955E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	8	4.4982E+07	8.204017E+11	1.457009E+14	1.411131E+12	3.257781E+14	3.221958E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	9	4.4982E+07	1.154272E+12	1.452345E+14	1.749671E+12	3.25734E+14	3.994866E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	10	4.4982E+07	1.677842E+12	1.446561E+14	2.095774E+12	3.254673E+14	4.785042E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	11	4.4982E+07	2.462467E+12	1.44244E+14	2.430503E+12	3.255332E+14	5.54925E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2032	0	4.4982E+07	3.594589E+12	1.438828E+14	2.775585E+12	3.257146E+14	6.337093E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2032	1	4.4982E+07	5.177973E+12	1.435191E+14	3.11884E+12	3.259392E+14	7.120766E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2032	2	4.4982E+07	7.335248E+12	1.431835E+14	3.438446E+12	3.261299E+14	7.850447E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2032	3	4.4982E+07	1.020734E+13	1.421651E+14	3.760999E+12	3.248215E+14	8.586719E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2032	4	4.4982E+07	1.395738E+13	1.398633E+14	4.03063E+12	3.252535E+14	9.201826E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2032	5	4.4982E+07	4.50287E+11	1.353785E+14	3.593456E+11	3.205E+14	8.207002E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2032	6	4.4982E+07	5.06005E+11	1.34907E+14	7.046277E+11	3.203935E+14	1.609001E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2032	7	4.4982E+07	6.175342E+11	1.344332E+14	1.058971E+12	3.20381E+14	2.417988E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2032	8	4.4982E+07	8.180866E+11	1.339917E+14	1.411131E+12	3.202927E+14	3.221991E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2032	9	4.4982E+07	1.151967E+12	1.33563E+14	1.749671E+12	3.202675E+14	3.994898E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2032	10	4.4982E+07	1.675546E+12	1.330313E+14	2.095774E+12	3.200213E+14	4.785074E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2032	11	4.4982E+07	2.460177E+12	1.326524E+14	2.430503E+12	3.201027E+14	5.549282E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	0	4.4982E+07	3.592305E+12	1.323204E+14	2.775585E+12	3.203248E+14	6.337125E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	1	4.4982E+07	5.175695E+12	1.331986E+14	3.11884E+12	3.205361E+14	7.120798E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	2	4.4982E+07	7.332998E+12	1.316881E+14	3.42745E+12	3.207326E+14	7.825375E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	3	4.4982E+07	1.02051E+13	1.307515E+14	3.750048E+12	3.194625E+14	8.561885E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	4	4.4982E+07	1.395518E+13	1.286346E+14	4.019669E+12	3.152528E+14	9.177442E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	5	4.4982E+07	4.478826E+11	1.241981E+14	3.593456E+11	3.152452E+14	8.207384E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	6	4.4982E+07	5.03609E+11	1.237636E+14	7.046277E+11	3.151571E+14	1.609039E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	7	4.4982E+07	6.151466E+11	1.233311E+14	1.058971E+12	3.150911E+14	2.418026E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	8	4.4982E+07	8.15709E+11	1.229263E+14	1.411131E+12	3.150919E+14	3.222029E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033																			

2034	7	4.4982E+07	6.12679E+11	1.12819E+14	1.058971E+12	3.101495E+14	2.41807E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2034	8	4.4982E+07	8.132495E+11	1.124488E+14	1.411131E+12	3.101675E+14	3.222073E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2034	9	4.4982E+07	1.147143E+12	1.120893E+14	1.749671E+12	3.10175E+14	3.99498E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2034	10	4.4982E+07	1.670741E+12	1.116433E+14	2.095774E+12	3.09969E+14	4.785155E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2034	11	4.4982E+07	2.455386E+12	1.113292E+14	2.430503E+12	3.10792E+14	5.549364E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	0	4.4982E+07	3.587526E+12	1.110473E+14	2.77558E+12	3.103265E+14	6.337206E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	1	4.4982E+07	5.170928E+12	1.10767E+14	3.11884E+12	3.105632E+14	7.120879E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	2	4.4982E+07	7.328242E+12	1.105172E+14	3.42745E+12	3.107823E+14	7.825455E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	3	4.4982E+07	1.020038E+13	1.097315E+14	3.750048E+12	3.095831E+14	8.561964E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	4	4.4982E+07	1.395053E+13	1.079551E+14	4.019669E+12	3.055335E+14	9.177521E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	5	4.4982E+07	4.28211E+11	1.035881E+14	3.593456E+11	3.055385E+14	8.208362E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	6	4.4982E+07	4.985651E+11	1.032277E+14	7.046277E+11	3.055043E+14	1.609136E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	7	4.4982E+07	6.101206E+11	1.028655E+14	1.058971E+12	3.054713E+14	2.418123E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	8	4.4982E+07	8.106995E+11	1.025282E+14	1.411131E+12	3.055048E+14	8.222126E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	9	4.4982E+07	1.144601E+12	1.022005E+14	1.749671E+12	3.055272E+14	3.995033E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	10	4.4982E+07	1.66821E+12	1.01794E+14	2.095774E+12	3.053399E+14	4.785208E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	11	4.4982E+07	2.452862E+12	1.015045E+14	2.430503E+12	3.054633E+14	5.549416E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	0	4.4982E+07	3.585008E+12	1.012509E+14	2.77558E+12	3.057222E+14	6.337258E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	1	4.4982E+07	5.168416E+12	1.009954E+14	3.11884E+12	3.059707E+14	7.120931E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	2	4.4982E+07	7.325714E+12	1.007598E+14	3.42745E+12	3.062083E+14	7.825061E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	3	4.4982E+07	1.019787E+13	1.000436E+14	3.760939E+12	3.050418E+14	8.586883E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	4	4.4982E+07	1.394807E+13	9.842431E+13	4.030363E+12	3.010661E+14	9.201986E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	5	4.4982E+07	4.401351E+11	9.407864E+13	3.593456E+11	3.011061E+14	8.208994E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	6	4.4982E+07	4.958885E+11	9.375149E+13	7.046277E+11	3.010674E+14	1.609199E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	7	4.4982E+07	6.074534E+11	9.342276E+13	1.058971E+12	3.010501E+14	2.418186E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	8	4.4982E+07	8.080412E+11	9.311654E+13	1.411131E+12	3.010982E+14	3.222188E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	9	4.4982E+07	1.141952E+12	9.281912E+13	1.749671E+12	3.011347E+14	3.995095E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	10	4.4982E+07	1.66557E+12	9.245011E+13	2.095774E+12	3.009649E+14	4.78527E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	11	4.4982E+07	2.45023E+12	9.218732E+13	2.430503E+12	3.011009E+14	5.549478E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2037	0	4.4982E+07	3.582383E+12	9.19571E+13	2.77558E+12	3.013708E+14	6.337319E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2037	1	4.4982E+07	5.165798E+12	9.172528E+13	3.11884E+12	3.016302E+14	7.120992E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2037	2	4.4982E+07	7.323124E+12	9.151873E+13	3.42745E+12	3.016895E+14	7.825569E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2037	3	4.4982E+07	1.01953E+13	9.068834E+13	3.750048E+12	3.007339E+14	8.562077E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2037	4	4.4982E+07	1.394533E+13	8.939761E+13	4.019669E+12	2.968276E+14	9.177631E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2037	5	4.4982E+07	4.373348E+11	8.509293E+13	3.593456E+11	3.068195E+14	8.209753E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2037	6	4.4982E+07	4.93081E+11	8.479718E+13	7.046277E+11	2.96858E+14	1.609274E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2037	7	4.4982E+07	6.046728E+11	8.430003E+13	1.058971E+12	2.968555E+14	2.418261E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2037	8	4.4982E+07	8.052697E+11	8.422321E+13	1.411131E+12	2.969174E+14	3.222263E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2037	9	4.4982E+07	1.139189E+12	8.395436E+13	1.749671E+12	2.969674E+14	3.995169E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2037	10	4.4982E+07	1.662819E+12	8.362076E+13	2.095774E+12	2.968143E+14	4.785344E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2037	11	4.4982E+07	2.447486E+12	8.338322E+13	2.430503E+12	2.969621E+14	5.549552E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2038	0	4.4982E+07	3.579647E+12	8.317516E+13	2.77558E+12	2.972424E+14	6.337393E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2038	1	4.4982E+07	5.163068E+12	8.296564E+13	3.11884E+12	2.975123E+14	7.121066E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2038	2	4.4982E+07	7.320401E+12	8.277897E+13	3.42745E+12	2.97761E+14	7.825642E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2038	3	4.4982E+07	1.019259E+13	8.219085E+13	3.750048E+12	2.966346E+14	8.56215E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2038	4	4.4982E+07	1.394287E+13	8.068073E+13	4.019669E+12	2.928145E+14	9.177703E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2038	5	4.4982E+07	4.343963E+11	7.658472E+13	3.593456E+11	2.928822E+14	8.210675E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2038	6	4.4982E+07	4.901699E+11	7.631872E+13	7.046277E+11	2.928723E+14	1.609367E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	73

2039	5	4.4982E+07	4.31296E+11	6.852864E+13	3.593456E+11	2.890951E+14	8.211812E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2039	6	4.4982E+07	4.870803E+11	6.829079E+13	7.046277E+11	2.890984E+14	1.60948E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2039	7	4.4982E+07	5.986763E+11	6.805181E+13	1.058971E+12	2.891233E+14	2.418466E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2039	8	4.4982E+07	7.992929E+11	6.782922E+13	1.411131E+12	2.892106E+14	3.222467E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2039	9	4.4982E+07	1.133231E+12	6.761303E+13	1.749671E+12	2.892854E+14	3.995373E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2039	10	4.4982E+07	1.656885E+12	6.734469E+13	2.095774E+12	2.891629E+14	4.785547E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2039	11	4.4982E+07	2.44157E+12	6.715372E+13	2.430503E+12	2.893326E+14	5.549754E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2040	0	4.4982E+07	3.573745E+12	6.698469E+13	2.775585E+12	2.896321E+14	6.337595E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2040	1	4.4982E+07	5.157181E+12	6.681808E+13	3.11884E+12	2.899214E+14	7.121267E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2040	2	4.4982E+07	7.314305E+12	6.666269E+13	3.438446E+12	2.901967E+14	7.850947E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2040	3	4.4982E+07	1.018674E+13	6.618945E+13	3.760939E+12	2.891443E+14	8.587216E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2040	4	4.4982E+07	1.393712E+13	6.511868E+13	4.030363E+12	2.854262E+14	9.202314E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2040	5	4.4982E+07	4.27997E+11	6.088489E+13	3.593456E+11	2.855188E+14	8.213239E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2040	6	4.4982E+07	4.837929E+11	6.067376E+13	7.046277E+11	2.855346E+14	1.609622E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2040	7	4.4982E+07	5.954005E+11	6.046163E+13	1.058971E+12	2.85572E+14	2.418608E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2040	8	4.4982E+07	7.960279E+11	6.026406E+13	1.411131E+12	2.856712E+14	3.222608E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2040	9	4.4982E+07	1.129977E+12	6.007217E+13	1.749671E+12	2.857572E+14	3.995514E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2040	10	4.4982E+07	1.653643E+12	5.983396E+13	2.095774E+12	2.856489E+14	4.785687E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2040	11	4.4982E+07	2.438338E+12	5.966447E+13	2.430503E+12	2.858286E+14	5.549891E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2041	0	4.4982E+07	3.57052E+12	5.951607E+13	2.775585E+12	2.861369E+14	6.337735E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2041	1	4.4982E+07	5.153965E+12	5.936664E+13	3.11884E+12	2.864351E+14	7.121406E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2041	2	4.4982E+07	7.311318E+12	5.92335E+13	3.42745E+12	2.867089E+14	7.825981E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2041	3	4.4982E+07	1.018358E+13	5.881315E+13	3.750048E+12	2.858612E+14	8.562487E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2041	4	4.4982E+07	1.3934E+13	5.786182E+13	4.019669E+12	2.820189E+14	9.178035E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2041	5	4.4982E+07	4.24475E+11	5.366307E+13	3.593456E+11	2.821229E+14	8.215055E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2041	6	4.4982E+07	4.802832E+11	5.347718E+13	7.046277E+11	2.821506E+14	1.609803E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2041	7	4.4982E+07	5.919031E+11	5.329043E+13	1.058971E+12	2.822E+14	2.418788E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2041	8	4.4982E+07	7.925421E+11	5.31165E+13	1.411131E+12	2.823102E+14	3.222788E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2041	9	4.4982E+07	1.126502E+12	5.294756E+13	1.749671E+12	2.824071E+14	3.995693E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2041	10	4.4982E+07	1.650183E+12	5.273781E+13	2.095774E+12	2.823121E+14	4.785865E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2041	11	4.4982E+07	2.434887E+12	5.258862E+13	2.430503E+12	2.825014E+14	5.550071E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	0	4.4982E+07	3.567078E+12	5.245803E+13	2.775585E+12	2.828181E+14	6.337912E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	1	4.4982E+07	5.150532E+12	5.232652E+13	3.11884E+12	2.831246E+14	7.121583E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	2	4.4982E+07	7.307893E+12	5.220936E+13	3.42745E+12	2.834039E+14	7.826158E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	3	4.4982E+07	1.018018E+13	5.183906E+13	3.750048E+12	2.824019E+14	8.562662E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	4	4.4982E+07	1.393066E+13	5.100072E+13	4.019669E+12	2.787927E+14	9.178207E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	5	4.4982E+07	4.206727E+11	4.682502E+13	3.593456E+11	2.789075E+14	8.217421E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	6	4.4982E+07	4.764942E+11	4.666304E+13	7.046277E+11	2.789464E+14	1.610039E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	7	4.4982E+07	5.881275E+11	4.65003E+13	1.058971E+12	2.790071E+14	2.419023E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	8	4.4982E+07	7.887788E+11	4.634875E+13	1.411131E+12	2.791279E+14	3.223022E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	9	4.4982E+07	1.122751E+12	4.620156E+13	1.749671E+12	2.79235E+14	3.995926E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	10	4.4982E+07	1.646447E+12	4.601875E+13	2.095774E+12	2.791527E+14	4.78698E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	11	4.4982E+07	2.431161E+12	4.588879E+13	2.430503E+12	2.79351E+14	5.550303E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2043	0	4.4982E+07	3.563362E+12	4.577505E+13	2.775585E+12	2.796756E+14	6.338143E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2043	1	4.4982E+07	5.146825E+12	4.566051E+13	3.11884E+12	2.799902E+14	7.121814E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2043	2	4.4982E+07	7.304194E+12	4.555848E+13	3.42745E+12	2.802786E+14	7.826388E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2043	3	4.4982E+07	1.01765E+13	4.523556E+13	3.750048E+12	2.792968E+14	8.562891E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2043	4	4.4982E+07	1.392704E+13	4.430423E+13	4.019669E+12	2.757379E+14	9.178432E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	

2044	3	4.4982E+07	1.017247E+13	3.897991E+13	3.760939E+12	2.763672E+14	8.588064E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	4	4.4982E+07	1.392308E+13	3.834998E+13	4.030363E+12	2.72856E+14	9.203148E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	5	4.4982E+07	4.119134E+11	3.420611E+13	3.593456E+11	2.729908E+14	8.225001E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	6	4.4982E+07	4.677655E+11	3.408824E+13	7.046277E+11	2.730504E+14	1.610794E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	7	4.4982E+07	5.794295E+11	3.396983E+13	1.058971E+12	2.731319E+14	2.419776E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	8	4.4982E+07	7.801096E+11	3.385959E+13	1.411131E+12	2.732722E+14	3.223773E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	9	4.4982E+07	1.11411E+12	3.375252E+13	1.749671E+12	2.733979E+14	3.996674E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	10	4.4982E+07	1.63784E+12	3.361944E+13	2.095774E+12	2.73389E+14	4.786843E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	11	4.4982E+07	2.422579E+12	3.352494E+13	2.430503E+12	2.735538E+14	5.551046E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	0	4.4982E+07	3.554802E+12	3.344232E+13	2.775585E+12	2.738931E+14	6.338884E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	1	4.4982E+07	5.138286E+12	3.335911E+13	3.11884E+12	2.742223E+14	7.122553E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	2	4.4982E+07	7.295675E+12	3.328498E+13	3.42745E+12	2.745238E+14	7.827126E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	3	4.4982E+07	1.016804E+13	3.304952E+13	3.750048E+12	2.73583E+14	8.563623E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	4	4.4982E+07	1.391872E+13	3.251564E+13	4.019669E+12	2.701167E+14	9.121791E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	5	4.4982E+07	4.067264E+11	2.840202E+13	3.593456E+11	2.702607E+14	8.231391E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	6	4.4982E+07	4.625966E+11	2.830444E+13	7.046277E+11	2.703298E+14	1.611431E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	7	4.4982E+07	5.742789E+11	2.820642E+13	1.058971E+12	2.704209E+14	2.42041E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	8	4.4982E+07	7.749759E+11	2.811518E+13	1.411131E+12	2.705699E+14	3.224405E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	9	4.4982E+07	1.08993E+12	2.802656E+13	1.749671E+12	2.707045E+14	3.997304E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	10	4.4982E+07	1.632743E+12	2.791635E+13	2.095774E+12	2.706563E+14	5.225381E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	11	4.4982E+07	2.417497E+12	2.783817E+13	2.430503E+12	2.708789E+14	5.551672E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	0	4.4982E+07	3.549732E+12	2.776985E+13	2.775585E+12	2.712249E+14	6.339508E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	1	4.4982E+07	5.13323E+12	2.770105E+13	3.11884E+12	2.715609E+14	7.121791E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	2	4.4982E+07	7.29063E+12	2.763975E+13	3.42745E+12	2.718684E+14	7.827747E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	3	4.4982E+07	1.016304E+13	2.744452E+13	3.750048E+12	2.709465E+14	8.564239E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	4	4.4982E+07	1.391379E+13	2.700146E+13	4.019669E+12	2.675229E+14	9.179759E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	5	4.4982E+07	4.007275E+11	2.290636E+13	3.593456E+11	2.676756E+14	8.241252E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	6	4.4982E+07	4.566187E+11	2.282799E+13	7.046277E+11	2.677538E+14	1.612414E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	7	4.4982E+07	5.68322E+11	2.274928E+13	1.058971E+12	2.678539E+14	2.421389E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	8	4.4982E+07	7.690387E+11	2.267603E+13	1.411131E+12	2.680115E+14	3.225381E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	9	4.4982E+07	1.03075E+12	2.260488E+13	1.749671E+12	2.681543E+14	3.998277E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	10	4.4982E+07	1.626849E+12	2.251632E+13	2.095774E+12	2.681162E+14	4.78844E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	11	4.4982E+07	2.411619E+12	2.245359E+13	2.430503E+12	2.683461E+14	5.552639E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2047	0	4.4982E+07	3.543869E+12	2.239882E+13	2.775585E+12	2.686984E+14	6.340472E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2047	1	4.4982E+07	5.127382E+12	2.234366E+13	3.11884E+12	2.690409E+14	7.124137E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2047	2	4.4982E+07	7.284795E+12	2.229452E+13	3.42745E+12	2.693541E+14	7.828706E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2047	3	4.4982E+07	1.015724E+13	2.213737E+13	3.750048E+12	2.684501E+14	8.565192E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2047	4	4.4982E+07	1.39081E+13	2.17803E+13	4.019669E+12	2.65067E+14	9.180696E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2047	5	4.4982E+07	3.935389E+11	1.770274E+13	3.593456E+11	2.65228E+14	8.25787E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2047	6	4.4982E+07	4.494552E+11	1.764257E+13	7.046277E+11	2.653147E+14	1.614069E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2047	7	4.4982E+07	5.611838E+11	1.758213E+13	1.058971E+12	2.654234E+14	2.423039E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2047	8	4.4982E+07	7.61924E+11	1.752592E+13	1.411131E+12	2.655889E+14	3.227025E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2047	9	4.4982E+07	1.095983E+12	1.747131E+13	1.749671E+12	2.657395E+14	3.999916E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2047	10	4.4982E+07	1.619785E+12	1.740326E+13	2.095774E+12	2.657111E+14	4.790072E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2047	11	4.4982E+07	2.404576E+12	1.735515E+13	2.430503E+12	2.659479E+14	5.554266E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2048	0	4.4982E+07	3.536844E+12	1.731322E+13	2.775585E+12	2.66303E+14	6.342096E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2048	1	4.4982E+07	5.120374E+12	1.727097E+13	3.11884E+12	2.666548E+14	7.125757E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2048	2	4.4982E+07	7.277785E+12	1.7232E+13	3.438446E+12	2.669848E+14	7.855427E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	

2049	1	4.4982E+07	5.111478E+12	1.245621E+13	3.11884E+12	2.644066E+14	7.128895E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2049	2	4.4982E+07	7.268928E+12	1.24295E+13	3.42745E+12	2.647303E+14	7.833453E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2049	3	4.4982E+07	1.014149E+13	1.234265E+13	3.750048E+12	2.638593E+14	8.569905E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2049	4	4.4982E+07	1.38926E+13	1.214428E+13	4.019669E+12	2.605506E+14	9.185333E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2049	5	4.4982E+07	3.717236E+11	8.099092E+12	3.593456E+11	2.607267E+14	8.369161E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2049	6	4.4982E+07	4.277162E+11	8.072485E+12	7.046277E+11	2.608292E+14	1.62516E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2049	7	4.4982E+07	5.395214E+11	8.045785E+12	1.058971E+12	2.609537E+14	2.43409E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2049	8	4.4982E+07	7.40333E+11	8.021011E+12	1.411131E+12	2.61134E+14	3.23804E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2049	9	4.4982E+07	1.074461E+12	7.996934E+12	1.749671E+12	2.612989E+14	4.010896E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2049	10	4.4982E+07	1.598349E+12	7.966729E+12	2.095774E+12	2.612882E+14	4.801008E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2049	11	4.4982E+07	2.383201E+12	7.945616E+12	2.430503E+12	2.615376E+14	5.565171E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2050	0	4.4982E+07	3.515523E+12	7.927353E+12	2.775585E+12	2.619071E+14	6.352973E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2050	1	4.4982E+07	5.099108E+12	7.908942E+12	3.11884E+12	2.622668E+14	7.136606E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2050	2	4.4982E+07	7.256585E+12	7.892552E+12	3.42745E+12	2.625954E+14	7.841147E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2050	3	4.4982E+07	1.012923E+13	7.838023E+12	3.750048E+12	2.617396E+14	8.577544E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2050	4	4.4982E+07	1.389054E+13	7.712648E+12	4.019669E+12	2.584652E+14	9.192848E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2050	5	4.4982E+07	3.497304E+11	3.682343E+12	3.593456E+11	2.586483E+14	8.715458E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2050	6	4.4982E+07	4.057999E+11	3.671176E+12	7.046277E+11	2.58758E+14	1.659668E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2050	7	4.4982E+07	5.176823E+11	3.65999E+12	1.058971E+12	2.588899E+14	2.468478E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2050	8	4.4982E+07	7.185659E+11	3.649675E+12	1.411131E+12	2.590769E+14	3.727314E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2050	9	4.4982E+07	1.052764E+12	3.63964E+12	1.749671E+12	2.592485E+14	4.04506E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2050	10	4.4982E+07	1.576739E+12	3.62684E+12	2.095774E+12	2.59246E+14	4.835035E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2050	11	4.4982E+07	2.361653E+12	3.618141E+12	2.430503E+12	2.595012E+14	5.599101E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2051	0	4.4982E+07	3.494029E+12	3.610766E+12	2.775585E+12	2.598758E+14	6.386817E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2051	1	4.4982E+07	5.077668E+12	3.603319E+12	3.11884E+12	2.602407E+14	7.170365E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2051	2	4.4982E+07	7.235194E+12	3.596698E+12	3.42745E+12	2.605738E+14	7.874829E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2051	3	4.4982E+07	1.010799E+13	3.572778E+12	3.750048E+12	2.597324E+14	8.610986E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2051	4	4.4982E+07	1.385965E+13	3.516514E+12	4.019669E+12	2.564906E+14	9.225748E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2051	5	4.4982E+07	3.761879E+11	1.768412E+09	8.608106E+11	2.566803E+14	8.340848E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2051	6	4.4982E+07	4.340398E+11	3.467615E+09	1.30434E+12	2.56797E+14	1.622338E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2051	7	4.4982E+07	5.495656E+11	3.521141E+09	1.556922E+12	2.569357E+14	2.431279E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2051	8	4.4982E+07	7.57068E+11	6.944459E+09	1.90744E+12	2.571292E+14	3.235238E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2051	9	4.4982E+07	1.10233E+12	8.610481E+09	2.44385E+12	2.57307E+14	4.008102E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2051	10	4.4982E+07	1.643685E+12	1.031373E+10	2.588513E+12	2.573123E+14	4.798225E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2051	11	4.4982E+07	2.454706E+12	1.1961E+10	2.921833E+12	2.57573E+14	5.562397E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2052	0	4.4982E+07	3.62478E+12	1.365921E+10	3.265678E+12	2.579525E+14	6.350206E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2052	1	4.4982E+07	5.26116E+12	1.534844E+10	3.607688E+12	2.583222E+14	7.133846E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737

Cumulative Flows and Concentrations Per Time Interval for Layer 1 : Flooding Pit

YEAR	Month	Vol (m ³ /Ly)	pH	Alk(mg/L)	Ac(mg/L)	SO4(mg/L)	Cu (mg/L)	1:S rem.(kg)	1:NP rem.(kg)	2:S rem.(kg)	2:NP rem.(kg)	3:S rem.(kg)	3:NP rem.(kg)	4:S rem.(kg)	4:NP rem.(kg)	5:S rem.(kg)	5:NP rem.(kg)	Pump #2	Water Elevation (m)
1992	5	300607	9.367135	2496.092	0	5274.677	8.521137E-04	2362397	3503357	1308190	1469842	851647.4	1027279	9.375E-08	-185856	1786899	2842909	0	485.736
1992	6	603127	9.74807	4604.187	0	6128.622	3.541456E-04	2381741	3497058	1306984	1461115	851142.5	1024213	9.375E-08	-185856	1785985	2838468	0	496.5403
1992	7	912352	10.08519	7915.167	0	7616.309	1.628278E-04	2381088	3490796	1305741	1452125	850620.8	1021045	9.375E-08	-185856	1785050	2833925	0	506.636
1992	8	1211688	10.38372	12789	0	9865.494	8.182679E-05	2380453	3484703	1304503	1443170	850099.3	1017877	9.375E-08	-185856	1784121	2829410	0	515.9902
1992	9	1502838	10.64548	19478.04	0	12928.25	4.475834E-05	2379855	3478967	1303309	1434538	849594.7	1014812	9.375E-08	-185856	1783228	2825068	0	525.0887
1992	10	1835313	10.86122	27530.76	0	16546.9	2.722176E-05	2379257	3473228	1302082	1425659	849073.3	1011646	9.375E-08	-185856	1782311	2820612	0	535.4785
1992	11	2111283	11.07364	38761.69	0	21709.02	1.668335E-05	2378693	3467825	1300896	1417097	848568.9	1008582	9.375E-08	-185856	1781429	2816325	0	544.1026
1993	0	2376476	11.26762	52941.74	0	28230.64	1.066873E-05	2378126	3462376	1299686	1408335	848048.4	1005421	9.375E-08	-185856	1780522	2811917	0	550.7081
1993	1	2643069	11.44364	70252.16	0	36277.46	7.110795E-06	2377567	3457016	1298504	1399786	847530.6	1002276	9.375E-08	-185856	1779618	2807521	0	553.1766
1993	2	2882929	11.61119	91963.11	0	46267.36	4.832755E-06	2377070	3452249	1297461	1392238	847065.1	999448	9.375E-08	-185856	1778803	2803562	0	555.3975
1993	3	3364948	11.71921	109397.1	0	54078.98	3.767685E-06	2376537	3447132	1296359	1384267	846554.3	996345.8	9.375E-08	-185856	1777906	2799200	0	559.8606

1993	10	5799194	11.57776	87151.33	0	44043.64	5.219933E-06	2373267	3415756	1290034	1338523	843146	975646.3	9.375E-08	-185856	1771835	2769693	0	582.4
1993	11	6023802	11.56023	84731.06	0	43102.97	5.435084E-06	2372842	3411681	1289254	1332876	842677.8	972802.4	9.375E-08	-185856	1770994	2765604	0	584.4797
1994	0	6235921	11.54773	83045.88	0	42510.95	5.59395E-06	2372410	3407541	1288470	1327208	842196.1	969876.8	9.375E-08	-185856	1770127	2761389	0	586.4437
1994	1	6449441	11.53934	81952.6	0	42220.39	5.703272E-06	2371987	3403473	1287710	1321710	841716.4	966963.8	9.375E-08	-185856	1769261	2757185	0	588.4208
1994	2	6641363	11.53805	81763.63	0	42361.78	5.720184E-06	2371610	3399857	1287042	1316881	841285	964343.1	9.375E-08	-185856	1768482	2753396	0	590.1978
1994	3	7070308	11.52112	79568.54	0	41464.28	5.947842E-06	2371207	3395995	1286350	1311875	840811.4	961466.9	9.375E-08	-185856	1767623	2749220	0	594.1695
1994	4	7932897	11.47754	74186.23	0	38857.16	6.576307E-06	2370843	3392502	1285759	1307606	840361.4	958734.1	9.375E-08	-185856	1766800	2745220	0	601.2521
1994	5	8161703	11.45953	72069.42	0	37901.32	6.855073E-06	2370473	3388950	1285165	1303308	839899.9	955931.4	9.375E-08	-185856	1765954	2741108	0	602.4823
1994	6	8394738	11.44171	70034.91	0	36997.54	7.142438E-06	2370119	3385557	1284604	1299245	839456	953234.7	9.375E-08	-185856	1765137	2737141	0	603.7352
1994	7	8632162	11.42428	68099.72	0	36132.6	7.435309E-06	2369758	3382097	1284037	1295148	838999.9	950464.4	9.375E-08	-185856	1764296	2733054	0	605.0116
1994	8	8859697	11.40824	66366.47	0	35367.67	7.715354E-06	2369403	3378681	1283484	1291149	838546.4	947709.8	9.375E-08	-185856	1763458	2728981	0	606.2349
1994	9	9081362	11.39346	64808.63	0	34685.49	7.982699E-06	2369062	3375417	1282962	1287371	838109.9	945058.7	9.375E-08	-185856	1762650	2725050	0	607.4267
1994	10	9342036	11.37701	63117.95	0	33948.86	8.29112E-06	2368716	3372093	1282438	1283580	837661.8	942336.8	9.375E-08	-185856	1761817	2721003	0	608.8281
1994	11	9548521	11.36544	61955.33	0	33473.71	8.515161E-06	2368385	3368916	1281942	1279997	837230.3	939716.8	9.375E-08	-185856	1761013	2717097	0	609.9383
1995	0	9741913	11.35611	61033.48	0	33124.8	8.700198E-06	2368047	3365672	1281442	1276378	836786.9	937022.9	9.375E-08	-185856	1760185	2713072	0	610.978
1995	1	9936706	11.34845	60286.01	0	32860.85	8.855302E-06	2367713	3362465	1280953	1272843	836345.4	934342.3	9.375E-08	-185856	1759359	2709058	0	612.0253
1995	2	1.011171E+07	11.34404	59860.61	0	32766.54	8.945688E-06	2367414	3359599	1280521	1269717	835948.6	931932.1	9.375E-08	-185856	1758615	2705441	0	612.9662
1995	3	1.052193E+07	11.32808	58344.55	0	32060.7	9.280928E-06	2367092	3356505	1280067	1266431	835513.9	929291.4	9.375E-08	-185856	1757795	2701458	0	613.1717
1995	4	1.13664E+07	11.29173	55033.67	0	30354.09	1.0092E-05	2366796	3353666	1279675	1263600	835102.1	926791	9.375E-08	-185856	1757011	2697647	0	619.7118
1995	5	1.158477E+07	11.27959	53970.34	0	29876	1.037835E-05	2366495	3350785	1279285	1260776	834679.9	924226.8	9.375E-08	-185856	1756205	2693729	0	620.8855
1995	6	1.180758E+07	11.26757	52937.42	0	29407.29	1.066998E-05	2366209	3348037	1278920	1258135	834273.7	921760	9.375E-08	-185856	1755427	2689950	0	622.0837
1995	7	1.203451E+07	11.25565	51932.84	0	28968.67	1.096721E-05	2365918	3345242	1278556	1255503	833856.6	919226.6	9.375E-08	-185856	1754626	2686056	0	623.3038
1995	8	1.225154E+07	11.2448	51035.27	0	28577.01	1.124489E-05	2365631	3342488	1278205	1252964	833441.8	916707.9	9.375E-08	-185856	1753828	2682175	0	624.4706
1995	9	1.246305E+07	11.23486	50226.62	0	28226.48	1.150542E-05	2365357	3339863	1277877	1250594	833042.8	914284.6	9.375E-08	-185856	1753057	2678430	0	625.6078
1995	10	1.271323E+07	11.22388	49348.21	0	27833.11	1.180025E-05	2365079	3337198	1277553	1248252	832633.3	911797.4	9.375E-08	-185856	1752264	2674574	0	626.9528
1995	11	1.290955E+07	11.21658	48772.39	0	27612.99	1.200054E-05	2364814	3334656	1277251	1246066	832239.1	909403.6	9.375E-08	-185856	1751498	2670853	0	628.0084
1996	0	1.309245E+07	11.21131	48361.08	0	27471.5	1.21472E-05	2364543	3332063	1276949	1243885	831833.8	906942.4	9.375E-08	-185856	1750709	2667017	0	628.9916
1996	1	1.327674E+07	11.20763	48075.91	0	27388.68	1.225065E-05	2364277	3329506	1276659	1241782	831430.8	904493.9	9.375E-08	-185856	1749922	2663192	0	629.9825
1996	2	1.344818E+07	11.20661	47996.96	0	27401.11	1.227957E-05	2364031	3327147	1276396	1239881	831055.4	902214.6	9.375E-08	-185856	1749187	2659623	0	630.9042
1996	3	1.38479E+07	11.19769	47313.92	0	27067.13	1.253461E-05	2363776	3324700	1276138	1238019	830658.6	899805	9.375E-08	-185856	1748407	2655828	0	633.0532
1996	4	1.46822E+07	11.1736	45516.63	0	26071.78	1.325042E-05	2363545	3322484	1275936	1236557	830283.6	897527.2	9.375E-08	-185856	1747660	2652197	0	637.5587
1996	5	1.489037E+07	11.16455	44859.79	0	25780.26	1.352955E-05	2363311	3320243	1275740	1235138	829899.1	89591.8	9.375E-08	-185856	1746892	2648465	0	638.6579
1996	6	1.510344E+07	11.15556	44216.08	0	25490.94	1.381292E-05	2363089	3318111	1275562	1233851	829529.3	893945.6	9.375E-08	-185856	1746151	2644865	0	639.8034
1996	7	1.532023E+07	11.14668	43589.25	0	25211.2	1.409866E-05	2362864	3315951	1275391	1232613	829149.6	890639.5	9.375E-08	-185856	1745388	2641157	0	640.9689
1996	8	1.552712E+07	11.13863	43029.2	0	24966.38	1.436257E-05	2362643	3313829	1275232	1231462	828772.1	888347.2	9.375E-08	-185856	1744627	2637460	0	642.0813
1996	9	1.572882E+07	11.13128	42523.75	0	24757.78	1.460802E-05	2362433	3311814	1275089	1230429	828409.1	886142.3	9.375E-08	-185856	1743893	2633892	0	643.1657
1996	10	1.596886E+07	11.12321	41975.92	0	24514.66	1.488221E-05	2362220	3309775	1274955	1229463	828036.6	883880	9.375E-08	-185856	1743138	2630219	0	644.4562
1996	11	1.615537E+07	11.11821	41639.73	0	24384.53	1.505481E-05	2362018	3307838	1274836	1228603	827678.2	881703.1	9.375E-08	-185856	1742408	2626675	0	645.459
1997	0	1.632813E+07	11.1115	41425.87	0	24317.99	1.516642E-05	2361813	3305866	1274723	1227783	827309.8	879465.2	9.375E-08	-185856	1741656	2623021	0	646.3878
1997	1	1.650228E+07	11.11133	41312.9	0	24297.21	1.522591E-05	2361611	3303930	1274619	1227032	826943.2	877239.4	9.375E-08	-185856	1740907	2619377	0	647.3241
1997	2	1.665865E+07	11.11415	41369.27	0	24362.6	1.519618E-05	2361432	3302209	1274535	1226423	826613.8	875238.8	9.375E-08	-185856	1740231	2616093	0	648.1648
1997	3	1.704823E+07	11.10881	41013.38	0	24166.4	1.538456E-05	2361240	3300370	1274460	1225881	826253.2	873048.8	9.375E-08	-185856	1739488	2612482	0	650.176
1997	4	1.787273E+07	11.09103	39860.22	0	23500.28	1.602793E-05	2361060	3298640	1274392	1225390	825910.2	870965.8	9.375E-08	-185856	1738789	2609084	0	653.1851
1997	5	1.8072E+07	11.0838	39999.38	0	23309.1	1.629737E-05	2360875	3296870	1274323	1224891	825557.8	868825.9	9.375E-08	-185856	1738073	2605606	0	653.9124
1997	6	1.827645E+07	11.0765	38939.97	0	23109.39	1.657391E-05	2360698	3295172	1274257	1224416	825218.3	866764.3	9.375E-08	-185856	1737386	2602264	0	654.6586
1997	7	1.848434E+07	11.06915	38482.79	0	22921.64	1.685701E-05	2360516	3293431	1274186	1223901	824869.1	864643.8	9.375E-08	-185856	1736680	2598835	0	655.4173
1997	8	1.868234E+07	11.06221	38056	0	22754.78	1.712882E-05	2360336	3291704	1274116	1223395	824521.5	862532.8	9.375E-08	-185856	1735980	2595432	0	656.14
1997	9	1.887543E+07	11.05561	37654.17	0	22594.48	1.739155E-05	2360163	3290045	1274050	1222913	824186.6	860498.1	9.375E-08	-185856	1735307	2592162	0	656.8446
1997	10	1.910657E+07	11.04788	37189.63	0	22405.32	1.770393E-05	2359985	3288342	1273982	1222425	823842.2	858406.4	9.375E-08	-185856	1734618	2588811	0	657.6882
1997	11	1.928447E+07	11.0421	36845.31	0	22288.62	1.794165E-05	2359815	3286705	1273918	1221960	823510.3	856390.4	9.375E-08	-185856	1733955	2585590	0	658.3375
1998	0	1.944833E+07	11.03704	36347.29	0	22194.21	1.815185E-05	2359640	3285026	1273852	1221486	823168.4	854314.4	9.375E-08	-185856	1733275	2582282	0	658.9355
1998	1	1.961359E+07	11.03223	36265.52	0	22115.16	1.835443E-05	2359466	3283358	1273788	1220927	822827.9	852246.3	9.375E-08	-185856	1732598	2578994	0	659.5386

1998	8	2.174269E+07	10.971	32866.73	0	20559.65	2.113639E-05	2358342	3272572	1273375	1218033	820570.9	838538.9	9.375E-08	-185856	1728210	2557669	0	667.3091
1998	9	2.1929957E+07	10.9656	32582.93	0	20449.84	2.140091E-05	2358189	3271104	1273319	1217633	820258.8	836643.4	9.375E-08	-185856	1727613	2554768	0	667.9911
1998	10	2.215431E+07	10.95928	32253.41	0	20319.09	2.171517E-05	2358033	3269602	1273264	1217230	819937.9	834694.8	9.375E-08	-185856	1727003	2551798	0	668.8113
1998	11	2.232601E+07	10.95474	32019.11	0	20239.41	2.194342E-05	2357883	3268161	1273211	1216849	819628.8	832816.9	9.375E-08	-185856	1726415	2548944	0	669.438
1999	0	2.248347E+07	10.95086	31819.95	0	20188.02	2.214067E-05	2357729	3266682	1273158	1216461	819310.5	830883.3	9.375E-08	-185856	1725813	2546016	0	670.0126
1999	1	2.264232E+07	10.94731	31639.13	0	20147.59	2.232231E-05	2357575	3265215	1273105	1216082	818993.4	828958.1	9.375E-08	-185856	1725214	2543106	0	670.5924
1999	2	2.278487E+07	10.94476	31509.8	0	20124.83	2.245385E-05	2357438	3263898	1273059	1215745	818708	827224.9	9.375E-08	-185856	1724677	2540494	0	671.1127
1999	3	2.315914E+07	10.93649	31093.51	0	19924.63	2.288622E-05	2357289	3262466	1273010	1215390	818394.8	825322.8	9.375E-08	-185856	1724091	2537647	0	672.4786
1999	4	2.3396883E+07	10.91766	30166.66	0	19403.1	2.390129E-05	2357149	3261127	1272953	1214982	818097.6	823517.4	9.375E-08	-185856	1723544	2534988	0	675.4337
1999	5	2.415545E+07	10.91249	29916.87	0	19303.16	2.418801E-05	2357007	3259760	1272896	1214572	817792.4	821663.5	9.375E-08	-185856	1722984	2532267	0	676.1147
1999	6	2.434766E+07	10.90726	29666.63	0	19196.8	2.448113E-05	2356870	3258430	1272843	1214187	817498.3	819877.6	9.375E-08	-185856	1722447	2529637	0	676.8163
1999	7	2.454289E+07	10.90199	29416.6	0	19097.88	2.478009E-05	2356730	3257102	1272790	1213802	817195.9	818041.2	9.375E-08	-185856	1721897	2526985	0	677.5288
1999	8	2.472824E+07	10.89711	29186.62	0	19006.69	2.506061E-05	2356591	3255768	1272738	1213428	816894.9	816213.4	9.375E-08	-185856	1721352	2524335	0	678.2053
1999	9	2.490908E+07	10.89247	28969.82	0	18927.3	2.532998E-05	2356457	3254488	1272690	1213078	816605.1	814452.4	9.375E-08	-185856	1720829	2521792	0	678.8452
1999	10	2.512756E+07	10.88709	28720.31	0	18828.62	2.564619E-05	2356321	3253181	1272642	1212730	816307.1	812642.8	9.375E-08	-185856	1720293	2519190	0	679.6627
1999	11	2.529322E+07	10.88335	28548.04	0	18770.89	2.586835E-05	2356190	3251927	1272596	1212402	816019.9	810899.1	9.375E-08	-185856	1719780	2516693	0	680.2672
2000	0	2.544431E+07	10.88028	28407.6	0	18737.93	2.605198E-05	2356056	3250643	1272551	1212074	815724.4	809104.4	9.375E-08	-185856	1719252	2514130	0	680.8191
2000	1	2.559703E+07	10.87768	28289.02	0	18709.34	2.620873E-05	2355923	3249368	1272507	1211755	815430	807316.3	9.375E-08	-185856	1718729	2511586	0	681.376
2000	2	2.573882E+07	10.87588	28207.58	0	18701.37	2.631732E-05	2355800	3248186	1272467	1211465	815155.5	805649.7	9.375E-08	-185856	1718243	2509223	0	681.8935
2000	3	2.610685E+07	10.86939	27914.62	0	18549.54	2.671429E-05	2355670	3246939	1272427	1211178	814865	803885.3	9.375E-08	-185856	1717732	2506742	0	683.2367
2000	4	2.691049E+07	10.85367	27218.45	0	18132.26	2.769957E-05	2355550	3245786	1272427	1211178	814589.6	802212.8	9.375E-08	-185856	1717258	2504434	0	686.1697
2000	5	2.7091E+07	10.84923	27024.91	0	18051.28	2.798457E-05	2355427	3244609	1272427	1211178	814306.8	800494.9	9.375E-08	-185856	1716772	2502075	0	686.8285
2000	6	2.72773E+07	10.84471	26829	0	17972.33	2.827804E-05	2355309	3243473	1272427	1211178	814034.4	798840.9	9.375E-08	-185856	1716307	2499815	0	687.5084
2000	7	2.746643E+07	10.84023	26636.56	0	17892.52	2.857151E-05	2355188	3242316	1272427	1211178	813754.4	797140.4	9.375E-08	-185856	1715831	2497502	0	688.1987
2000	8	2.764568E+07	10.83609	26459.9	0	17827.66	2.884545E-05	2355069	3241170	1272427	1211178	813475.8	795447.8	9.375E-08	-185856	1715360	2495211	0	688.8528
2000	9	2.782061E+07	10.83224	26297	0	17770.9	2.910204E-05	2354954	3240073	1272427	1211178	813207.4	793817.7	9.375E-08	-185856	1714908	2493015	0	689.4913
2000	10	2.803299E+07	10.82786	26112.58	0	17693.6	2.939728E-05	2354838	3238954	1272427	1211178	812931.7	792143.1	9.375E-08	-185856	1714446	2490771	0	690.2664
2000	11	2.819274E+07	10.825	25992.47	0	17659.9	2.95923E-05	2354726	3237882	1272427	1211178	812666	790529.7	9.375E-08	-185856	1714003	2488618	0	690.8494
2001	0	2.833783E+07	10.82293	25906.48	0	17641.23	2.973326E-05	2354611	3236784	1272427	1211178	812392.6	788868.7	9.375E-08	-185856	1713549	2486412	0	691.379
2001	1	2.848433E+07	10.82136	25841.09	0	17635.32	2.984123E-05	2354498	3235696	1272427	1211178	812120.2	787214.6	9.375E-08	-185856	1713099	2484223	0	691.9136
2001	2	2.861572E+07	10.82086	25820.39	0	17643.1	2.987556E-05	2354396	3234722	1272427	1211178	811875.1	785726.1	9.375E-08	-185856	1712695	2482260	0	692.3931
2001	3	2.897765E+07	10.81619	25627.22	0	17531.86	3.019901E-05	2354285	3233660	1272427	1211178	811606.5	784094.8	9.375E-08	-185856	1712257	2480131	0	693.7141
2001	4	2.977538E+07	10.8034	25105.79	0	17196.11	3.11025E-05	2354184	3232685	1272427	1211178	811352.1	782550.1	9.375E-08	-185856	1711852	2478163	0	696.6255
2001	5	2.994994E+07	10.79942	24945.86	0	17136.12	3.13889E-05	2354080	3231692	1272427	1211178	811090.9	780964.3	9.375E-08	-185856	1711439	2476154	0	697.2626
2001	6	3.013049E+07	10.79544	24786.73	0	17070.93	3.167821E-05	2353980	3230734	1272427	1211178	810839.6	779437.8	9.375E-08	-185856	1711043	2474231	0	697.9215
2001	7	3.031367E+07	10.79143	24627.41	0	17011.61	3.197251E-05	2353878	3229757	1272427	1211178	810581.4	777868.9	9.375E-08	-185856	1710639	2472266	0	698.59
2001	8	3.048697E+07	10.7878	24484.18	0	16958.18	3.224112E-05	2353777	3228791	1272427	1211178	810324.3	776307.5	9.375E-08	-185856	1710239	2470323	0	699.2225
2001	9	3.065614E+07	10.78443	24351.75	0	16914	3.249283E-05	2353681	3227869	1272427	1211178	810076.8	774804	9.375E-08	-185856	1709856	2468462	0	699.84
2001	10	3.086258E+07	10.78059	24202.03	0	16852.02	3.278151E-05	2353583	3226925	1272427	1211178	809823.1	773263.1	9.375E-08	-185856	1709463	2466552	0	700.4212
2001	11	3.101657E+07	10.7782	24109.33	0	16823.31	3.296344E-05	2353488	3226018	1272427	1211178	809579.1	771781.1	9.375E-08	-185856	1709085	2464712	0	700.8201
2002	0	3.115573E+07	10.77651	24044.04	0	16814.7	3.309094E-05	2353391	3225087	1272427	1211178	809328.4	770258.7	9.375E-08	-185856	1708695	2462817	0	701.1807
2002	1	3.129628E+07	10.7754	24000.88	0	16810.9	3.31763E-05	2353295	3224161	1272427	1211178	809079.3	768745.6	9.375E-08	-185856	1708306	2460929	0	701.5447
2002	2	3.14223E+07	10.77528	23996.37	0	16820.65	3.31852E-05	2353208	3223329	1272427	1211178	808855.6	767386.3	9.375E-08	-185856	1707957	2459229	0	701.8712
2002	3	3.177827E+07	10.77144	23848.88	0	16723.09	3.347988E-05	2353113	3222422	1272427	1211178	808611.6	765903.9	9.375E-08	-185856	1707573	2457364	0	702.7935
2002	4	3.257025E+07	10.7603	23425.41	0	16422.95	3.435125E-05	2353024	3221565	1272427	1211178	808383.2	764517.5	9.375E-08	-185856	1707209	2455598	0	704.8452
2002	5	3.274014E+07	10.75673	23291.38	0	16374.51	3.463512E-05	2352932	3220687	1272427	1211178	808149.5	763098	9.375E-08	-185856	1706836	2453784	0	705.2853
2002	6	3.291616E+07	10.7531	23156.15	0	16320.71	3.492555E-05	2352844	3219845	1272427	1211178	807925	761734.7	9.375E-08	-185856	1706477	2452037	0	705.7413
2002	7	3.309467E+07	10.74944	23020.36	0	16267.33	3.522137E-05	2352754	3218981	1272427	1211178	807694.9	760337.7	9.375E-08	-185856	1706107	2450241	0	706.2038
2002	8	3.326329E+07	10.746	22893.3	0	16219.76	3.550205E-05	2352665	3218125	1272427	1211178	807466.7	758951.6	9.375E-08	-185856	1705739	2448453	0	706.6407
2002	9	3.342795E+07	10.74263	22769.62	0	16178.38	3.57789E-05	2352579	3217303	1272427	1211178	807247.5	757620	9.375E-08	-185856	1705385	2446730	0	707.0672
2002	10	3.36297E+07	10.73861	22623.1	0	16118.71	3.61117E-05	2352491	3216461	1272427	1211178	807023.1	756257.1	9.375E-08	-185856	1705021	2444960	0	707.5899
2002	11	3.377918E+07	10.73561	22514.23	0	16084.09	3.636237E-05	2352407	3215653	1272427	1211178	806807.6	754947.6	9.375E					

2003	6	3.564805E+07	10.70104	21297.31	0	15500.53	3.93786E-05	2351834	3210136	1272427	1211178	805351.9	746106.6	9.375E-08	-1.85856	1702256	2431527	0	712.8188
2003	7	3.582252E+07	10.69768	21182.73	0	15459.07	3.968438E-05	2351755	3209392	1272427	1211178	805150.6	744884.1	9.375E-08	-1.85856	1701915	2429668	0	713.2708
2003	8	3.598711E+07	10.69454	21075.92	0	15420.28	3.997311E-05	2351676	3208635	1272427	1211178	804951.1	743672.3	9.375E-08	-1.85856	1701575	2428217	0	713.6971
2003	9	3.614785E+07	10.69149	20973.11	0	15382.93	4.025448E-05	2351600	3207909	1272427	1211178	804759.7	742509.6	9.375E-08	-1.85856	1701248	2426627	0	714.1136
2003	10	3.634558E+07	10.68784	20850.37	0	15331.67	4.05948E-05	2351523	3207167	1272427	1211178	804563.9	741320.4	9.375E-08	-1.85856	1700912	2424993	0	714.6259
2003	11	3.649114E+07	10.68508	20757.91	0	15306.18	4.085431E-05	2351448	3206454	1272427	1211178	804375.9	740178.7	9.375E-08	-1.85856	1700588	2423419	0	715.0029
2004	0	3.662158E+07	10.68261	20675.92	0	15286.59	4.108684E-05	2351372	3205723	1272427	1211178	804183	739007.4	9.375E-08	-1.85856	1700255	2421799	0	715.3409
2004	1	3.675342E+07	10.68024	20597.26	0	15268.16	4.131206E-05	2351295	3204982	1272427	1211178	803991.5	737843.9	9.375E-08	-1.85856	1699923	2420186	0	715.6824
2004	2	3.687579E+07	10.67816	20528.28	0	15253.24	4.151123E-05	2351223	3204294	1272427	1211178	803813.5	736762.9	9.375E-08	-1.85856	1699613	2418683	0	715.9995
2004	3	3.722306E+07	10.67248	20341.83	0	15150.92	4.205799E-05	2351148	3203573	1272427	1211178	803626.8	735629.1	9.375E-08	-1.85856	1699286	2417092	0	716.8991
2004	4	3.80066E+07	10.6599	19934.61	0	14883.96	4.329561E-05	2351078	3202906	1272427	1211178	803454.1	734579.9	9.375E-08	-1.85856	1698977	2415589	0	718.929
2004	5	3.816849E+07	10.65691	19839.3	0	14852.35	4.359413E-05	2351007	3202225	1272427	1211178	803277.5	733507.8	9.375E-08	-1.85856	1698659	2414046	0	719.3484
2004	6	3.833676E+07	10.65389	19743.02	0	14816.12	4.389934E-05	2350939	3201573	1272427	1211178	803108.3	732479.9	9.375E-08	-1.85856	1698354	2412562	0	719.7844
2004	7	3.850726E+07	10.65083	19646.19	0	14780.27	4.421E-05	2350870	3200906	1272427	1211178	802935.2	731428.8	9.375E-08	-1.85856	1698040	2411037	0	720.2261
2004	8	3.866787E+07	10.64796	19555.91	0	14749.02	4.450298E-05	2350801	3200246	1272427	1211178	802763.8	730387.3	9.375E-08	-1.85856	1697728	2409520	0	720.6422
2004	9	3.882477E+07	10.64514	19467.4	0	14722.51	4.479339E-05	2350736	3199613	1272427	1211178	802599.5	729389.2	9.375E-08	-1.85856	1697427	2408059	0	721.0486
2004	10	3.901852E+07	10.64177	19362.36	0	14681.85	4.51423E-05	2350668	3198968	1272427	1211178	802431.8	728370.5	9.375E-08	-1.85856	1697118	2406538	0	721.5506
2004	11	3.916024E+07	10.63935	19287.21	0	14661.38	4.539485E-05	2350602	3198331	1272427	1211178	802270.8	727392.7	9.375E-08	-1.85856	1696821	2405112	0	721.9177
2005	0	3.928671E+07	10.63726	19222.49	0	14648.66	4.56141E-05	2350534	3197679	1272427	1211178	802105.9	726390.6	9.375E-08	-1.85856	1696515	2403625	0	722.2454
2005	1	3.941458E+07	10.63532	19162.58	0	14637.39	4.58188E-05	2350466	3197032	1272427	1211178	801942.3	725396.9	9.375E-08	-1.85856	1696211	2402144	0	722.5767
2005	2	3.952914E+07	10.63386	19117.62	0	14631.12	4.597345E-05	2350406	3196452	1272427	1211178	801795.6	724506.1	9.375E-08	-1.85856	1695936	2400812	0	722.8734
2005	3	3.967244E+07	10.63209	18971.66	0	14551.17	4.648151E-05	2350340	3195824	1272427	1211178	801636.8	723540.9	9.375E-08	-1.85856	1695636	2399353	0	723.7628
2005	4	4.065214E+07	10.61808	18639.03	0	14323	4.767565E-05	2350280	3195248	1272427	1211178	801490.7	722653.8	9.375E-08	-1.85856	1695353	2397978	0	725.7827
2005	5	4.081012E+07	10.61538	18558.13	0	14295.44	4.79748E-05	2350219	3194661	1272427	1211178	801341.7	721748.6	9.375E-08	-1.85856	1695063	2396567	0	726.192
2005	6	4.097462E+07	10.6126	18475.38	0	14261.19	4.828248E-05	2350160	3194100	1272427	1211178	801199.3	720882.9	9.375E-08	-1.85856	1694784	2395209	0	726.6182
2005	7	4.114122E+07	10.60975	18391.06	0	14233.05	4.860022E-05	2350100	3193527	1272427	1211178	801053.6	719998.3	9.375E-08	-1.85856	1694497	2393814	0	727.0498
2005	8	4.129794E+07	10.60709	18312.54	0	14206.79	4.889929E-05	2350041	3192960	1272427	1211178	800909.6	719123.6	9.375E-08	-1.85856	1694211	2392426	0	727.4558
2005	9	4.145106E+07	10.60451	18236.73	0	14181.31	4.919113E-05	2349985	3192419	1272427	1211178	800771.9	718287	9.375E-08	-1.85856	1693936	2391091	0	727.8525
2005	10	4.164092E+07	10.60147	18147.94	0	14145.5	4.953661E-05	2349925	3191844	1272427	1211178	800631.4	717433.7	9.375E-08	-1.85856	1693655	2389721	0	728.3444
2005	11	4.177886E+07	10.59931	18085.05	0	14127.57	4.978386E-05	2349868	3191293	1272427	1211178	800496.8	716616.6	9.375E-08	-1.85856	1693383	2388402	0	728.7017
2006	0	4.190144E+07	10.5975	18032.37	0	14121.02	4.999254E-05	2349809	3190730	1272427	1211178	800359.1	715780.3	9.375E-08	-1.85856	1693104	2387043	0	729.0193
2006	1	4.202541E+07	10.59592	17986.6	0	14114.4	5.017507E-05	2349751	3190172	1272427	1211178	800222.7	714952.1	9.375E-08	-1.85856	1692826	2385691	0	729.3405
2006	2	4.213645E+07	10.59489	17957.07	0	14113.11	5.029355E-05	2349699	3189673	1272427	1211178	800100.4	714209.4	9.375E-08	-1.85856	1692575	2384475	0	729.6281
2006	3	4.247584E+07	10.59091	17842.53	0	14042.31	5.075722E-05	2349643	3189135	1272427	1211178	799968.8	713409.4	9.375E-08	-1.85856	1692302	2383146	0	730.5074
2006	4	4.325177E+07	10.5812	17566.1	0	13840.07	5.190649E-05	2349592	3188647	1272427	1211178	799848.9	712681.5	9.375E-08	-1.85856	1692044	2381895	0	732.5175
2006	5	4.340593E+07	10.57869	17495.48	0	13815.23	5.220732E-05	2349540	3188130	1272427	1211178	799726.8	711940.4	9.375E-08	-1.85856	1691780	2380612	0	732.9169
2006	6	4.356672E+07	10.57608	17422.14	0	13791.39	5.25227E-05	2349491	3187677	1272427	1211178	799610.2	711231.9	9.375E-08	-1.85856	1691527	2379378	0	733.3335
2006	7	4.372949E+07	10.57346	17349.11	0	13766.39	5.284011E-05	2349440	3187195	1272427	1211178	799491.4	710510.6	9.375E-08	-1.85856	1691266	2378110	0	733.7552
2006	8	4.388238E+07	10.571	17280.55	0	13744.64	5.314086E-05	2349391	3186719	1272427	1211178	799374.3	709799.3	9.375E-08	-1.85856	1691006	2376849	0	734.1512
2006	9	4.40318E+07	10.5687	17216.73	0	13724.41	5.34237E-05	2349340	3186235	1272427	1211178	799262.3	709118.9	9.375E-08	-1.85856	1690757	2375636	0	734.5383
2006	10	4.421782E+07	10.56591	17139.87	0	13697.83	5.376759E-05	2349289	3185743	1272427	1211178	799148.6	708428.1	9.375E-08	-1.85856	1690501	2374392	0	735.0203
2006	11	4.435206E+07	10.56406	17088.86	0	13686.5	5.399784E-05	2349240	3185274	1272427	1211178	799039.9	707768	9.375E-08	-1.85856	1690255	2373195	0	735.368
2007	0	4.44488E+07	10.56267	17030.67	0	13683.2	5.417141E-05	2349190	3184794	1272427	1211178	798928.6	707092.3	9.375E-08	-1.85856	1690001	2371964	0	735.6757
2007	1	4.459094E+07	10.56158	17020.97	0	13682.35	5.430708E-05	2349140	3184320	1272427	1211178	798818.6	706424.5	9.375E-08	-1.85856	1689749	2370739	0	735.9869
2007	2	4.469852E+07	10.56114	17008.9	0	13687.06	5.436238E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	736.2656
2007	3	4.4982E+07	10.55804	16924.46	0	13697.89	5.475165E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2007	4	4.4982E+07	10.55039	16717.42	0	13557.58	5.572676E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2007	5	4.4982E+07	10.548	16653.31	0	13535.42	5.603458E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2007	6	4.4982E+07	10.54553	16587.44	0	13510.64	5.635413E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2007	7	4.4982E+07	10.54303	16521.07	0	13486.22	5.667895E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2007	8	4.4982E+07	10.54068	16458.73	0	13464.9	5.698718E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2007	9	4.4982E+07	10.53839	16398.28	0	13443.96	5.728861E-0												

2008	4	4.4982E+07	10.51285	15738.63	0	13098.25	6.076309E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	5	4.4982E+07	10.51044	15677.81	0	13077.63	6.110155E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	6	4.4982E+07	10.50795	15615.34	0	13054.45	6.145229E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	7	4.4982E+07	10.50544	15552.41	0	13031.64	6.180925E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	8	4.4982E+07	10.50307	15493.27	0	13011.82	6.214794E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	9	4.4982E+07	10.50076	15435.91	0	12992.33	6.247927E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	10	4.4982E+07	10.49796	15366.44	0	12963.4	6.288476E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	11	4.4982E+07	10.49587	15314.95	0	12948.48	6.318835E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	0	4.4982E+07	10.49398	15268.64	0	12938.74	6.346327E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	1	4.4982E+07	10.49208	15222.12	0	12928.67	6.374162E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	2	4.4982E+07	10.49039	15180.6	0	12919.87	6.399179E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	3	4.4982E+07	10.48562	15064.75	0	12850.38	6.469869E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	4	4.4982E+07	10.47515	14813.35	0	12663.65	6.627906E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	5	4.4982E+07	10.47272	14755.64	0	12644.49	6.665117E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	6	4.4982E+07	10.47022	14696.39	0	12622.83	6.703686E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	7	4.4982E+07	10.46768	14636.69	0	12601.54	6.742938E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	8	4.4982E+07	10.46529	14580.57	0	12583.13	6.780183E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	9	4.4982E+07	10.46297	14526.15	0	12565.02	6.816446E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	10	4.4982E+07	10.46014	14460.31	0	12537.8	6.861188E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	11	4.4982E+07	10.45803	14411.41	0	12524.09	6.894599E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2010	0	4.4982E+07	10.45613	14367.38	0	12515.42	6.92493E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2010	1	4.4982E+07	10.45421	14323.14	0	12506.42	6.955625E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2010	2	4.4982E+07	10.45249	14283.66	0	12498.58	6.983215E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2010	3	4.4982E+07	10.44771	14174.21	0	12432.09	7.060667E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2010	4	4.4982E+07	10.43722	13937.23	0	12252.14	7.23347E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2010	5	4.4982E+07	10.43477	13882.47	0	12234.36	7.274432E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2010	6	4.4982E+07	10.43224	13826.28	0	12214.13	7.316865E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2010	7	4.4982E+07	10.42969	13769.64	0	12194.29	7.360063E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2010	8	4.4982E+07	10.42728	13716.38	0	12177.22	7.401092E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2010	9	4.4982E+07	10.42493	13664.73	0	12160.42	7.441237E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2010	10	4.4982E+07	10.42208	13602.34	0	12134.81	7.490238E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2010	11	4.4982E+07	10.41995	13555.89	0	12122.26	7.52706E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	0	4.4982E+07	10.41803	13514.01	0	12114.6	7.56054E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	1	4.4982E+07	10.41609	13471.94	0	12106.61	7.594418E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	2	4.4982E+07	10.41435	13434.39	0	12099.68	7.624878E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	3	4.4982E+07	10.40954	13330.99	0	12036.04	7.709837E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	4	4.4982E+07	10.39903	13107.68	0	11862.5	7.898908E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	5	4.4982E+07	10.39656	13055.7	0	11846.03	7.944041E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	6	4.4982E+07	10.39402	13002.4	0	11827.16	7.990784E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	7	4.4982E+07	10.39144	12948.67	0	11808.68	8.038385E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	8	4.4982E+07	10.38901	12898.11	0	11792.88	8.083603E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	9	4.4982E+07	10.38664	12849.09	0	11777.31	8.127862E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	10	4.4982E+07	10.38377	12789.96	0	11753.24	8.181817E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	11	4.4982E+07	10.38162	12745.83	0	11741.78	8.222472E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	0	4.4982E+07	10.37967	12705.99	0	11735.08	8.259462E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	1	4.4982E+07	10.37771	12665.97	0	11728.05	8.296911E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	2	4.4982E+07	10.37589	12628.98	0	11721.76	8.331781E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	3	4.4982E+07	10.37106	12531.33	0	11660.82	8.425061E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	4	4.4982E+07	10.36052	12320.99	0	11493.38	8.632089E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	5	4.4982E+07	10.35803	12271.65	0	11478.14	8.681888E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	6	4.4982E+07	10.35546	12221.09	0	11460.56	8.733453E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	7	4.4982E+07	10.35286	12170.11	0	11443.37	8.78596E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	8	4.4982E+07	10.3504	12122.13	0	11428.78	8.835889E-05	2349096	3183897	1272427	121117								

2013	2	4.4982E+07	10.3372	11867.67	0	11364.16	9.108844E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	3	4.4982E+07	10.33235	11775.43	0	11305.76	9.21133E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	4	4.4982E+07	10.32179	11577.32	0	11144.06	9.438219E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	5	4.4982E+07	10.31927	11530.48	0	11130	9.493232E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	6	4.4982E+07	10.31667	11482.51	0	11113.63	9.550182E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	7	4.4982E+07	10.31404	11434.14	0	11097.66	9.60817E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	8	4.4982E+07	10.31156	11388.58	0	11084.21	9.663345E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	9	4.4982E+07	10.30914	11344.41	0	11070.92	9.717342E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	10	4.4982E+07	10.30622	11291.28	0	11049.67	9.782966E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2013	11	4.4982E+07	10.30402	11251.44	0	11040.22	9.832701E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2014	0	4.4982E+07	10.30202	11215.37	0	11035.28	9.878086E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2014	1	4.4982E+07	10.30001	11179.13	0	11030.04	9.924029E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2014	2	4.4982E+07	10.29821	11146.79	0	11025.55	9.965365E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2014	3	4.4982E+07	10.29333	11059.68	0	10969.56	1.007811E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2014	4	4.4982E+07	10.28275	10873.17	0	10813.3	1.032694E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2014	5	4.4982E+07	10.2802	10828.7	0	10800.36	1.038782E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2014	6	4.4982E+07	10.27757	10783.18	0	10785.14	1.045078E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2014	7	4.4982E+07	10.27492	10737.28	0	10770.33	1.051488E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2014	8	4.4982E+07	10.27241	10694.01	0	10757.96	1.057596E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2014	9	4.4982E+07	10.26996	10652.07	0	10745.71	1.063573E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2014	10	4.4982E+07	10.26701	10601.71	0	10725.76	1.070827E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2014	11	4.4982E+07	10.26479	10563.85	0	10717.24	1.076332E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	0	4.4982E+07	10.26276	10529.5	0	10713.11	1.081374E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	1	4.4982E+07	10.26072	10495.01	0	10708.69	1.086472E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	2	4.4982E+07	10.25889	10464.21	0	10704.93	1.09106E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	3	4.4982E+07	10.25398	10381.97	0	10651.22	1.103477E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	4	4.4982E+07	10.24337	10206.45	0	10500.13	1.130794E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	5	4.4982E+07	10.24079	10164.21	0	10488.23	1.137537E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	6	4.4982E+07	10.23814	10121.02	0	10474.11	1.144507E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	7	4.4982E+07	10.23546	10077.45	0	10460.39	1.151611E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	8	4.4982E+07	10.23292	10036.36	0	10449.04	1.158377E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	9	4.4982E+07	10.23044	9996.527	0	10437.79	1.165001E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	10	4.4982E+07	10.22746	9948.787	0	10419.06	1.173028E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2015	11	4.4982E+07	10.22521	9912.789	0	10411.42	1.179142E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	0	4.4982E+07	10.22315	9880.08	0	10408.07	1.184744E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	1	4.4982E+07	10.22108	9847.237	0	10404.42	1.190413E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	2	4.4982E+07	10.21916	9816.868	0	10401.23	1.195698E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	3	4.4982E+07	10.21422	9739.249	0	10349.7	1.209387E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	4	4.4982E+07	10.20358	9574.146	0	10203.5	1.239408E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	5	4.4982E+07	10.20097	9534.037	0	10192.6	1.246892E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	6	4.4982E+07	10.19829	9493.044	0	10179.51	1.254621E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	7	4.4982E+07	10.19557	9451.686	0	10166.83	1.262502E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	8	4.4982E+07	10.193	9412.659	0	10156.45	1.270015E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	9	4.4982E+07	10.19049	9374.835	0	10146.14	1.27737E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	10	4.4982E+07	10.18748	9329.577	0	10128.58	1.286268E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2016	11	4.4982E+07	10.18519	9295.352	0	10121.76	1.293065E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	0	4.4982E+07	10.18311	9264.195	0	10119.14	1.299305E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	1	4.4982E+07	10.181	9232.916	0	10116.22	1.305621E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	2	4.4982E+07	10.17912	9204.985	0	10113.8	1.311307E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	3	4.4982E+07	10.17414	9131.72	0	10064.31	1.326422E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	4	4.4982E+07	10.16347	8976.449	0	9922.727	1.35945E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	5	4.4982E+07	10.16083	8938.349	0	9912.768	1.367767E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2017	6	4.4982E+07	10.15811	8899.437	0	9900.656	1.376351E-04	2349096	3183897	1272427	1211178	7987							

2018	0	4.4982E+07	10.14272	8682.015	0	9845.655	1.426047E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	1	4.4982E+07	10.14058	8652.215	0	9843.434	1.433099E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	2	4.4982E+07	10.13867	8625.601	0	9841.635	1.439444E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	3	4.4982E+07	10.13666	8596.464	0	9794.08	1.456152E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	4	4.4982E+07	10.12295	8410.515	0	9656.874	1.492528E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	5	4.4982E+07	10.12027	8374.314	0	9647.81	1.501788E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	6	4.4982E+07	10.11752	8337.374	0	9636.623	1.511339E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	7	4.4982E+07	10.11473	8300.091	0	9625.862	1.521084E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	8	4.4982E+07	10.11209	8264.86	0	9617.261	1.530395E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	9	4.4982E+07	10.10951	8230.723	0	9608.683	1.539504E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	10	4.4982E+07	10.10643	8190.036	0	9593.268	1.550483E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2018	11	4.4982E+07	10.10407	8159.069	0	9587.986	1.558927E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2019	0	4.4982E+07	10.10191	8130.772	0	9586.704	1.566715E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2019	1	4.4982E+07	10.09973	8102.371	0	9585.141	1.574597E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2019	2	4.4982E+07	10.09778	8077.006	0	9583.928	1.581691E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2019	3	4.4982E+07	10.09273	8011.778	0	9538.209	1.600194E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2019	4	4.4982E+07	10.08199	7874.653	0	9405.149	1.640305E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2019	5	4.4982E+07	10.07927	7840.252	0	9396.93	1.650635E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2019	6	4.4982E+07	10.07648	7805.18	0	9386.621	1.661282E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2019	7	4.4982E+07	10.07365	7769.772	0	9376.74	1.672152E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2019	8	4.4982E+07	10.07096	7736.291	0	9368.962	1.682538E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2019	9	4.4982E+07	10.06835	7703.851	0	9361.18	1.69271E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2019	10	4.4982E+07	10.06522	7665.267	0	9346.754	1.704943E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2019	11	4.4982E+07	10.06283	7635.802	0	9342.179	1.714383E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	0	4.4982E+07	10.06063	7608.822	0	9341.516	1.72311E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	1	4.4982E+07	10.05841	7581.747	0	9340.574	1.731939E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	2	4.4982E+07	10.05635	7556.701	0	9339.892	1.740178E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	3	4.4982E+07	10.05126	7495.185	0	9295.917	1.760697E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	4	4.4982E+07	10.04048	7366.44	0	9166.792	1.804994E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	5	4.4982E+07	10.03772	7333.748	0	9159.373	1.816545E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	6	4.4982E+07	10.03488	7300.445	0	9149.895	1.828439E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	7	4.4982E+07	10.03201	7266.817	0	9140.85	1.840588E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	8	4.4982E+07	10.02928	7234.993	0	9133.848	1.852208E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	9	4.4982E+07	10.02662	7204.163	0	9126.822	1.863586E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	10	4.4982E+07	10.02346	7167.577	0	9113.331	1.877243E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2020	11	4.4982E+07	10.02102	7139.535	0	9109.423	1.887824E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	0	4.4982E+07	10.01877	7113.803	0	9109.346	1.897826E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	1	4.4982E+07	10.01651	7087.985	0	9108.994	1.907546E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	2	4.4982E+07	10.01448	7064.922	0	9108.861	1.916481E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	3	4.4982E+07	10.00935	7006.905	0	9066.528	1.93928E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	4	4.4982E+07	9.998526	6886.062	0	8941.11	1.988271E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	5	4.4982E+07	9.99571	6854.981	0	8934.45	2.001214E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	6	4.4982E+07	9.992833	6823.354	0	8925.757	2.01453E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	7	4.4982E+07	9.989914	6791.406	0	8917.502	2.02813E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	8	4.4982E+07	9.987136	6761.15	0	8911.236	2.041158E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	9	4.4982E+07	9.984432	6731.842	0	8904.926	2.053918E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	10	4.4982E+07	9.981217	6697.143	0	8892.322	2.069193E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2021	11	4.4982E+07	9.978732	6670.446	0	8889.046	2.08108E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2022	0	4.4982E+07	9.976438	6645.895	0	8889.522	2.092116E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2022	1	4.4982E+07	9.974128	6621.266	0	8889.729	2.105283E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2022	2	4.4982E+07	9.972056	6599.261	0	8890.094	2.113349E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2022	3	4.4982E+07	9.968877	6544.562	0	8849.319	2.138729E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2022	4	4.4982E+07	9.965006	6431.21	0	8727.422	2.192995E-04	2349096	3183897	1272427	1211178	7							

2022	10	4.4982E+07	9.938394	6251.708	0	8683.057	2.283851E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2022	11	4.4982E+07	9.935858	6226.286	0	8680.38	2.297238E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2023	0	4.4982E+07	9.933512	6202.852	0	8681.382	2.309694E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2023	1	4.4982E+07	9.931149	6179.348	0	8682.117	2.322304E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2023	2	4.4982E+07	9.929031	6158.346	0	8682.952	2.333669E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2023	3	4.4982E+07	9.9238	6106.789	0	8643.654	2.361976E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2023	4	4.4982E+07	9.912879	6000.53	0	8525.089	2.422188E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2023	5	4.4982E+07	9.909958	5972.424	0	8519.825	2.438551E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2023	6	4.4982E+07	9.909777	5943.881	0	8512.583	2.455365E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2023	7	4.4982E+07	9.903951	5915.035	0	8505.784	2.47255E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2023	8	4.4982E+07	9.901065	5887.667	0	8500.875	2.489051E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2023	9	4.4982E+07	9.896257	5861.166	0	8495.883	2.50521E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2023	10	4.4982E+07	9.894935	5829.943	0	8484.913	2.524469E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2023	11	4.4982E+07	9.892344	5805.728	0	8482.803	2.539586E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2024	0	4.4982E+07	9.889942	5783.352	0	8484.302	2.553686E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2024	1	4.4982E+07	9.887524	5760.914	0	8485.537	2.567962E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2024	2	4.4982E+07	9.885277	5740.146	0	8486.865	2.581295E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2024	3	4.4982E+07	9.879989	5691.572	0	8448.967	2.61295E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2024	4	4.4982E+07	9.869013	5592.05	0	8333.564	2.679896E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2024	5	4.4982E+07	9.866031	5565.317	0	8328.943	2.698379E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2024	6	4.4982E+07	9.862991	5538.196	0	8322.369	2.717349E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2024	7	4.4982E+07	9.859904	5510.78	0	8316.24	2.736753E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2024	8	4.4982E+07	9.856957	5484.745	0	8311.957	2.755404E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2024	9	4.4982E+07	9.854092	5459.538	0	8307.57	2.773665E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2024	10	4.4982E+07	9.850707	5429.919	0	8297.354	2.795387E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2024	11	4.4982E+07	9.848058	5406.849	0	8295.778	2.812509E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2025	0	4.4982E+07	9.845593	5385.476	0	8297.749	2.828529E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2025	1	4.4982E+07	9.843113	5364.048	0	8299.458	2.844747E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2025	2	4.4982E+07	9.840887	5344.896	0	8301.162	2.859379E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2025	3	4.4982E+07	9.835537	5299.135	0	8264.584	2.894858E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2025	4	4.4982E+07	9.8245	5205.963	0	8152.161	2.969444E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2025	5	4.4982E+07	9.821453	5180.527	0	8148.149	2.990371E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2025	6	4.4982E+07	9.818349	5154.752	0	8142.207	3.011844E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2025	7	4.4982E+07	9.815195	5128.088	0	8136.712	3.033817E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2025	8	4.4982E+07	9.812182	5103.913	0	8133.021	3.054957E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2025	9	4.4982E+07	9.809251	5079.928	0	8129.21	3.075669E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2025	10	4.4982E+07	9.805799	5051.826	0	8119.705	3.100234E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2025	11	4.4982E+07	9.803085	5029.837	0	8118.639	3.119689E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2026	0	4.4982E+07	9.800554	5009.413	0	8121.054	3.137942E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2026	1	4.4982E+07	9.798006	4988.94	0	8123.213	3.156426E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2026	2	4.4982E+07	9.795719	4970.639	0	8125.316	3.173108E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2026	3	4.4982E+07	9.790301	4927.544	0	8069.991	3.212981E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2026	4	4.4982E+07	9.779199	4840.394	0	7980.396	3.296263E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2026	5	4.4982E+07	9.776079	4816.186	0	7976.963	3.320049E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2026	6	4.4982E+07	9.772905	4791.684	0	7971.618	3.344425E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2026	7	4.4982E+07	9.769679	4766.899	0	7966.726	3.369387E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2026	8	4.4982E+07	9.766593	4743.317	0	7963.595	3.39344E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2026	9	4.4982E+07	9.763592	4720.491	0	7960.328	3.416995E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2026	10	4.4982E+07	9.760067	4693.825	0	7951.497	3.444888E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2026	11	4.4982E+07	9.757282	4672.86	0	7950.912	3.467051E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2027	0	4.4982E+07	9.754676	4653.334	0	7953.75	3.487941E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2027	1	4.4982E+07	9.752054	4633.766	0	7956.333	3.509081E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	1689522	2369637	0	737
2027	2	4.4982E+07	9.749701	4616.27	0	7958.815	3.52817E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-185856	168			

2027	8	4.4982E+07	9.720113	4401.883	0	7803.172	3.777172E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2027	9	4.4982E+07	9.717033	4380.154	0	7800.421	3.804077E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2027	10	4.4982E+07	9.713428	4354.847	0	7792.229	3.835816E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2027	11	4.4982E+07	9.710565	4334.852	0	7792.099	3.861222E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	0	4.4982E+07	9.707878	4316.177	0	7795.336	3.885203E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	1	4.4982E+07	9.705175	4297.464	0	7798.322	3.909481E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	2	4.4982E+07	9.702662	4280.135	0	7801.265	3.932199E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	3	4.4982E+07	9.697087	4241.964	0	7768.251	3.983046E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	4	4.4982E+07	9.685834	4165.928	0	7663.878	4.087709E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	5	4.4982E+07	9.682548	4143.985	0	7661.507	4.11879E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	6	4.4982E+07	9.679213	4121.833	0	7657.265	4.150572E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	7	4.4982E+07	9.675818	4099.41	0	7653.481	4.183169E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	8	4.4982E+07	9.672565	4078.028	0	7651.382	4.214661E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	9	4.4982E+07	9.6694	4057.34	0	7649.119	4.245512E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	10	4.4982E+07	9.665706	4033.322	0	7641.531	4.281819E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2028	11	4.4982E+07	9.662756	4014.247	0	7641.833	4.311029E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2029	0	4.4982E+07	9.659981	3996.377	0	7645.448	4.338693E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2029	1	4.4982E+07	9.657187	3978.478	0	7648.814	4.366717E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2029	2	4.4982E+07	9.654679	3962.469	0	7651.994	4.392034E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2029	3	4.4982E+07	9.649014	3926.558	0	7620.042	4.449756E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2029	4	4.4982E+07	9.637671	3855.627	0	7518.062	4.567626E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2029	5	4.4982E+07	9.63429	3834.726	0	7516.182	4.603368E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2029	6	4.4982E+07	9.630861	3813.655	0	7512.447	4.639889E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2029	7	4.4982E+07	9.627371	3792.318	0	7509.173	4.677368E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2029	8	4.4982E+07	9.62402	3771.949	0	7507.551	4.713636E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2029	9	4.4982E+07	9.620761	3752.243	0	7505.749	4.749174E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2029	10	4.4982E+07	9.616968	3729.445	0	7498.734	4.790872E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2029	11	4.4982E+07	9.613924	3711.238	0	7499.444	4.824805E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	0	4.4982E+07	9.611049	3694.131	0	7503.417	4.856685E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	1	4.4982E+07	9.608157	3677	0	7507.145	4.889162E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	2	4.4982E+07	9.605558	3661.674	0	7510.646	4.918335E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	3	4.4982E+07	9.599793	3627.907	0	7479.701	4.964327E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	4	4.4982E+07	9.588354	3561.815	0	7379.995	5.117493E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	5	4.4982E+07	9.584866	3541.901	0	7378.578	5.158807E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	6	4.4982E+07	9.581334	3521.854	0	7375.325	5.200969E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	7	4.4982E+07	9.577736	3501.545	0	7372.535	5.244283E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	8	4.4982E+07	9.574277	3482.135	0	7371.362	5.286265E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	9	4.4982E+07	9.570913	3463.359	0	7369.998	5.327402E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	10	4.4982E+07	9.567013	3441.715	0	7363.525	5.375513E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2030	11	4.4982E+07	9.563862	3424.332	0	7364.623	5.414695E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	0	4.4982E+07	9.560878	3407.947	0	7368.935	5.452063E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	1	4.4982E+07	9.557876	3391.542	0	7373.004	5.489922E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	2	4.4982E+07	9.555177	3376.864	0	7376.809	5.52418E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	3	4.4982E+07	9.549301	3345.127	0	7346.817	5.59955E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	4	4.4982E+07	9.537754	3283.616	0	7249.265	5.79053E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	5	4.4982E+07	9.534147	3264.637	0	7248.287	5.798535E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	6	4.4982E+07	9.5305	3245.559	0	7245.489	5.84748E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	7	4.4982E+07	9.526783	3226.225	0	7243.156	5.897799E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	8	4.4982E+07	9.523205	3207.721	0	7242.411	5.946641E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	9	4.4982E+07	9.519724	3189.828	0	7241.461	5.994543E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	10	4.4982E+07	9.515702	3169.276	0	7235.501	6.050367E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2031	11	4.4982E+07	9.512434	3152.672	0	7236.965	6.096117E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2032	0	4.4982E+07	9.509327	3136.971	0	7241.599	6.13993E-04	2349096	3183897	1272427	1211178								

2032	6	4.4982E+07	9.478111	2983.468	0	7122.705	6.597797E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2032	7	4.4982E+07	9.474259	2965.057	0	7120.805	6.656809E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2032	8	4.4982E+07	9.470546	2947.415	0	7120.463	6.714032E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2032	9	4.4982E+07	9.466935	2930.357	0	7119.904	6.770139E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2032	10	4.4982E+07	9.462777	2910.842	0	7114.43	6.835335E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2032	11	4.4982E+07	9.459377	2894.978	0	7116.24	6.889109E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	0	4.4982E+07	9.456133	2879.925	0	7121.178	6.940819E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	1	4.4982E+07	9.45287	2864.861	0	7125.875	6.993209E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	2	4.4982E+07	9.449935	2851.378	0	7130.242	7.040683E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	3	4.4982E+07	9.443796	2823.384	0	7102.007	7.141012E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	4	4.4982E+07	9.431993	2770.328	0	7008.421	7.337958E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	5	4.4982E+07	9.428105	2753.073	0	7008.253	7.403998E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	6	4.4982E+07	9.424186	2735.783	0	7006.294	7.47119E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	7	4.4982E+07	9.420184	2718.246	0	7004.804	7.540418E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	8	4.4982E+07	9.41632	2701.417	0	7004.845	7.607878E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	9	4.4982E+07	9.412562	2685.15	0	7004.657	7.674053E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	10	4.4982E+07	9.408252	2666.614	0	6999.644	7.750678E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2033	11	4.4982E+07	9.404703	2651.448	0	7001.782	7.814332E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2034	0	4.4982E+07	9.401305	2637.008	0	7007.008	7.875774E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2034	1	4.4982E+07	9.397888	2622.561	0	7011.995	7.938046E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2034	2	4.4982E+07	9.394812	2609.628	0	7016.62	7.994536E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2034	3	4.4982E+07	9.388516	2583.357	0	6989.195	8.111381E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2034	4	4.4982E+07	9.37656	2554.19	0	6897.437	8.33802E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2034	5	4.4982E+07	9.372505	2517.728	0	6897.641	8.416316E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2034	6	4.4982E+07	9.368423	2501.261	0	6896.069	8.493888E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2034	7	4.4982E+07	9.364251	2484.55	0	6894.968	8.577966E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2034	8	4.4982E+07	9.360217	2468.492	0	6895.37	8.658096E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2034	9	4.4982E+07	9.356294	2452.973	0	6895.535	8.736747E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2034	10	4.4982E+07	9.35181	2435.365	0	6890.957	8.827494E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2034	11	4.4982E+07	9.348094	2420.86	0	6893.406	8.903436E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	0	4.4982E+07	9.344522	2407	0	6898.904	8.977051E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	1	4.4982E+07	9.340928	2393.138	0	6904.167	9.051712E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	2	4.4982E+07	9.337692	2380.725	0	6909.036	9.119473E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	3	4.4982E+07	9.331219	2356.085	0	6882.378	9.256563E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	4	4.4982E+07	9.31909	2310.6	0	6792.351	9.518987E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	5	4.4982E+07	9.314845	2294.889	0	6792.907	9.612576E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	6	4.4982E+07	9.310577	2279.202	0	6791.701	9.707597E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	7	4.4982E+07	9.306213	2263.274	0	6790.968	9.805735E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	8	4.4982E+07	9.301985	2247.945	0	6791.713	9.901773E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	9	4.4982E+07	9.297873	2233.135	0	6792.211	9.99607E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	10	4.4982E+07	9.293193	2216.404	0	6788.046	1.010447E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2035	11	4.4982E+07	9.289285	2202.526	0	6790.789	1.01959E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	0	4.4982E+07	9.285514	2189.216	0	6796.546	1.028491E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	1	4.4982E+07	9.281719	2175.906	0	6802.069	1.037526E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	2	4.4982E+07	9.278179	2163.561	0	6807.352	1.046026E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	3	4.4982E+07	9.271503	2140.47	0	6781.419	1.062245E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	4	4.4982E+07	9.259176	2098.483	0	6693.034	1.092859E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	5	4.4982E+07	9.254714	2083.484	0	6693.925	1.104157E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	6	4.4982E+07	9.250234	2068.535	0	6693.065	1.115619E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	7	4.4982E+07	9.245649	2053.35	0	6692.68	1.127469E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	8	4.4982E+07	9.241198	2038.714	0	6693.749	1.139098E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	9	4.4982E+07	9.236868	2024.575	0	6694.561	1.150522E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2036	10	4.4982E+07	9.231963	2008.678	0	6690.786	1.163602E-03	2349096	3183897	1272427	1211178	798720.4</							

2037	4	4.4982E+07	9.196714	1898.047	0	6598.809	1.262085E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2037	5	4.4982E+07	9.192001	1883.722	0	6600.016	1.27587E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2037	6	4.4982E+07	9.187276	1869.471	0	6599.484	1.289842E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2037	7	4.4982E+07	9.182437	1854.988	0	6599.429	1.304309E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2037	8	4.4982E+07	9.177729	1841.005	0	6600.806	1.31854E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2037	9	4.4982E+07	9.173148	1827.502	0	6601.916	1.332534E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2037	10	4.4982E+07	9.167982	1812.391	0	6598.512	1.348496E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2037	11	4.4982E+07	9.1636	1799.669	0	6601.797	1.362185E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2038	0	4.4982E+07	9.159333	1787.372	0	6608.029	1.375647E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2038	1	4.4982E+07	9.155041	1775.083	0	6614.03	1.389325E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2038	2	4.4982E+07	9.15117	1764.073	0	6619.558	1.401777E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2038	3	4.4982E+07	9.143988	1743.826	0	6594.962	1.425175E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2038	4	4.4982E+07	9.131167	1708.262	0	6509.592	1.467916E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2038	5	4.4982E+07	9.126162	1694.575	0	6511.099	1.484951E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2038	6	4.4982E+07	9.121152	1680.985	0	6510.876	1.502196E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2038	7	4.4982E+07	9.116015	1667.166	0	6511.134	1.520086E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2038	8	4.4982E+07	9.111008	1653.803	0	6512.802	1.537733E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2038	9	4.4982E+07	9.106135	1640.901	0	6514.196	.0015551	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2038	10	4.4982E+07	9.100664	1626.536	0	6511.141	1.574835E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2038	11	4.4982E+07	9.095984	1614.346	0	6514.677	1.591916E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2039	0	4.4982E+07	9.091407	1602.515	0	6521.128	1.608798E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2039	1	4.4982E+07	9.086801	1590.695	0	6527.35	1.625969E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2039	2	4.4982E+07	9.082644	1580.103	0	6533.075	1.641624E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2039	3	4.4982E+07	9.075143	1561.167	0	6509.094	1.670251E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2039	4	4.4982E+07	9.062011	1528.563	0	6425.116	1.721579E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2039	5	4.4982E+07	9.056662	1515.479	0	6426.906	1.742936E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2039	6	4.4982E+07	9.051316	1502.516	0	6426.98	1.764543E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2039	7	4.4982E+07	9.04583	1489.326	0	6427.533	1.786998E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2039	8	4.4982E+07	9.040469	1476.548	0	6429.475	1.809215E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2039	9	4.4982E+07	9.035251	1464.216	0	6431.136	1.831107E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2039	10	4.4982E+07	9.029419	1450.556	0	6428.415	1.855866E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2039	11	4.4982E+07	9.024385	1438.869	0	6432.186	1.877543E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2040	0	4.4982E+07	9.019442	1427.48	0	6438.845	1.89906E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2040	1	4.4982E+07	9.014463	1416.105	0	6445.276	1.920976E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2040	2	4.4982E+07	9.009807	1405.545	0	6451.397	1.941705E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2040	3	4.4982E+07	9.001925	1387.855	0	6428.001	1.977299E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2040	4	4.4982E+07	8.988423	1358.061	0	6345.343	2.039802E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2040	5	4.4982E+07	8.982665	1345.55	0	6347.401	2.067055E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2040	6	4.4982E+07	8.976918	1333.181	0	6347.752	2.094617E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2040	7	4.4982E+07	8.971013	1320.587	0	6348.585	2.123321E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2040	8	4.4982E+07	8.965228	1308.366	0	6350.788	2.151822E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2040	9	4.4982E+07	8.959595	1296.574	0	6352.702	2.179944E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2040	10	4.4982E+07	8.95333	1283.584	0	6350.293	2.21165E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2040	11	4.4982E+07	8.947872	1272.375	0	6354.288	2.239648E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2041	0	4.4982E+07	8.942485	1261.404	0	6361.143	2.267631E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2041	1	4.4982E+07	8.937058	1250.451	0	6367.771	2.296171E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2041	2	4.4982E+07	8.932153	1240.631	0	6373.857	2.322281E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2041	3	4.4982E+07	8.923814	1224.114	0	6351.012	2.367348E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2041	4	4.4982E+07	8.909862	1196.971	0	6269.594	2.444715E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2041	5	4.4982E+07	8.903608	1185.001	0	6271.907	2.480206E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2041	6	4.4982E+07	8.897377	1173.193	0	6272.522	2.516085E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2041	7	4.4982E+07	8.890965	1161.163	0	6273.62	2.553549E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2041	8	4.4982E+07	8.884665	1149.468	0	6276.07	2.598948E-03	2349096	3183897	1272427	1211178	79							

2042	2	4.4982E+07	8.848453	1084.476	0	6300.43	2.816428E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	3	4.4982E+07	8.839551	1069.072	0	6278.108	2.87481E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	4	4.4982E+07	8.825048	1044.441	0	6197.872	2.97253E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	5	4.4982E+07	8.818185	1032.984	0	6200.425	3.019929E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	6	4.4982E+07	8.811356	1021.707	0	6201.29	3.067841E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	7	4.4982E+07	8.804316	1010.211	0	6202.639	3.118027E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	8	4.4982E+07	8.79738	999.0134	0	6205.323	3.168268E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	9	4.4982E+07	8.790618	988.2151	0	6207.705	3.218038E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	10	4.4982E+07	8.783171	976.4567	0	6205.875	3.273753E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2042	11	4.4982E+07	8.776552	966.1261	0	6210.283	3.324076E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2043	0	4.4982E+07	8.769949	955.9261	0	6217.5	3.375055E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2043	1	4.4982E+07	8.763288	945.7488	0	6224.493	3.427267E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2043	2	4.4982E+07	8.757254	936.6196	0	6230.905	3.475272E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2043	3	4.4982E+07	8.747647	922.2693	0	6209.078	3.530799E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2043	4	4.4982E+07	8.73245	900.0169	0	6129.96	3.679737E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2043	5	4.4982E+07	8.724818	889.0443	0	6132.742	3.745042E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2043	6	4.4982E+07	8.717233	878.2706	0	6133.844	3.811095E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2043	7	4.4982E+07	8.685814	867.2809	0	6135.43	3.880548E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2043	8	4.4982E+07	8.701654	856.5541	0	6138.336	3.950424E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2043	9	4.4982E+07	8.694098	846.2134	0	6140.933	4.019834E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2043	10	4.4982E+07	8.685814	835.0223	0	6139.369	4.097322E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2043	11	4.4982E+07	8.678373	825.0961	0	6143.968	4.168195E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	0	4.4982E+07	8.670504	815.251	0	6151.352	4.240574E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	1	4.4982E+07	8.663364	805.4311	0	6158.513	4.314912E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	2	4.4982E+07	8.656275	796.3064	0	6165.308	4.386001E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	3	4.4982E+07	8.645756	782.9569	0	6143.951	4.493639E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	4	4.4982E+07	8.629662	762.9634	0	6065.894	4.663463E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	5	4.4982E+07	8.621029	752.4512	0	6068.89	4.757183E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	6	4.4982E+07	8.612456	742.1548	0	6070.215	4.852114E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	7	4.4982E+07	8.603582	731.6451	0	6072.026	4.952378E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	8	4.4982E+07	8.594778	721.3655	0	6075.141	5.053900E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	9	4.4982E+07	8.586175	711.459	0	6077.94	5.155118E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	10	4.4982E+07	8.576788	700.8062	0	6076.628	5.26787E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2044	11	4.4982E+07	8.568257	691.264	0	6081.407	5.372472E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	0	4.4982E+07	8.55964	681.7557	0	6088.948	5.480248E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	1	4.4982E+07	8.550926	672.2748	0	6096.268	5.591427E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	2	4.4982E+07	8.543001	663.7661	0	6102.97	.0056945	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	3	4.4982E+07	8.531261	651.3598	0	6082.055	5.850689E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	4	4.4982E+07	8.513961	633.4971	0	6004.995	6.088705E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	5	4.4982E+07	8.503983	623.4199	0	6008.197	6.230348E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	6	4.4982E+07	8.49408	613.5746	0	6009.733	6.374206E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	7	4.4982E+07	8.483797	603.518	0	6011.757	6.527079E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	8	4.4982E+07	8.473551	593.6608	0	6015.071	6.683061E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	9	4.4982E+07	8.463517	584.1646	0	6018.063	6.839416E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	10	4.4982E+07	8.452618	574.0201	0	6016.991	7.013415E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2045	11	4.4982E+07	8.442587	564.8408	0	6021.939	7.177452E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	0	4.4982E+07	8.432381	555.6505	0	6029.631	7.348297E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	1	4.4982E+07	8.422037	546.4899	0	6037.101	7.525591E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	2	4.4982E+07	8.412603	538.2665	0	6043.937	7.691017E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	3	4.4982E+07	8.399152	526.7545	0	6023.443	7.933208E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	4	4.4982E+07	8.38015	510.9107	0	5947.333	8.288383E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	5	4.4982E+07	8.368267	501.2452	0	5950.728	8.518525E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2046	6	4.4982E+07	8.356464	491.8271	0	5952.466	8.733443E-03	2349096	3183897	1272427	1211178	798720.							

2047	0	4.4982E+07	8.281851	436.2465	0	5973.466	1.039602E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2047	1	4.4982E+07	8.269088	427.3892	0	5981.079	1.070639E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2047	2	4.4982E+07	8.257401	419.436	0	5988.042	1.099871E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2047	3	4.4982E+07	8.241375	408.7707	0	5967.945	1.141257E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2047	4	4.4982E+07	8.219799	394.8387	0	5892.735	1.199447E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2047	5	4.4982E+07	8.205008	385.5631	0	5896.313	1.241044E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2047	6	4.4982E+07	8.190289	376.5492	0	5898.242	1.283867E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2047	7	4.4982E+07	8.174863	367.3282	0	5900.658	1.330338E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2047	8	4.4982E+07	8.159292	358.2497	0	5904.338	1.378949E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2047	9	4.4982E+07	8.143924	349.5096	0	5907.686	1.428671E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2047	10	4.4982E+07	8.127314	340.3025	0	5907.055	1.484427E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2047	11	4.4982E+07	8.111555	331.7916	0	5912.318	1.539335E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2048	0	4.4982E+07	8.095207	323.1877	0	5920.285	1.598444E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2048	1	4.4982E+07	8.078485	314.6176	0	5928.033	1.661253E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2048	2	4.4982E+07	8.062517	306.646	0	5935.044	1.723535E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2048	3	4.4982E+07	8.042181	296.7852	0	5915.65	1.806245E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2048	4	4.4982E+07	8.016246	284.6686	0	5841.292	0.0191751	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2048	5	4.4982E+07	7.99647	275.7631	0	5845.044	2.006935E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2048	6	4.4982E+07	7.976687	267.1331	0	5847.151	2.100563E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2048	7	4.4982E+07	7.95576	258.2978	0	5849.748	2.204368E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2048	8	4.4982E+07	7.934394	249.5787	0	5853.596	0.0231564	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2048	9	4.4982E+07	7.913116	241.1876	0	5857.107	0.0243204	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2048	10	4.4982E+07	7.890059	232.4132	0	5856.677	2.564787E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2048	11	4.4982E+07	7.867703	224.211	0	5862.084	2.700406E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2049	0	4.4982E+07	7.844138	215.8778	0	5870.178	2.851136E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2049	1	4.4982E+07	7.81975	207.5801	0	5878.053	3.015989E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2049	2	4.4982E+07	7.79696	200.1257	0	5885.25	0.0317839	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2049	3	4.4982E+07	7.768031	191.023	0	5865.886	3.397822E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2049	4	4.4982E+07	7.733186	180.6192	0	5792.33	3.681971E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2049	5	4.4982E+07	7.702991	172.0632	0	5796.246	3.947347E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2049	6	4.4982E+07	7.672353	163.7957	0	5798.523	4.236178E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2049	7	4.4982E+07	7.639313	155.3247	0	5801.292	4.571379E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2049	8	4.4982E+07	7.604806	146.945	0	5805.299	4.949816E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2049	9	4.4982E+07	7.569701	138.8836	0	5808.965	5.366973E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2049	10	4.4982E+07	7.531046	130.5179	0	5808.728	5.867091E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2049	11	4.4982E+07	7.492143	122.6071	0	5814.273	6.417487E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2050	0	4.4982E+07	7.449739	114.5295	0	5822.486	7.076387E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2050	1	4.4982E+07	7.40445	106.4893	0	5830.483	7.854966E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2050	2	4.4982E+07	7.360734	99.26421	0	5837.788	8.687696E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2050	3	4.4982E+07	7.30583	90.88024	0	5818.762	9.859706E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2050	4	4.4982E+07	7.242605	82.09904	0	5745.969	0.114065	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2050	5	4.4982E+07	7.176921	73.87392	0	5750.041	0.1327094	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2050	6	4.4982E+07	7.106322	65.94967	0	5752.479	0.1561607	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2050	7	4.4982E+07	7.024505	57.82355	0	5755.41	0.1885689	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2050	8	4.4982E+07	6.931128	49.76534	0	5759.569	0.233852	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2050	9	4.4982E+07	6.825811	42.01612	0	5763.382	0.2981008	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2050	10	4.4982E+07	6.694778	34.03729	0	5763.327	0.4032061	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2050	11	4.4982E+07	6.536741	26.40251	0	5769.001	0.5803932	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2051	0	4.4982E+07	6.317682	18.56702	0	5777.329	0.9616132	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2051	1	4.4982E+07	5.978849	10.77052	0	5785.44	2.099772	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2051	2	4.4982E+07	5.324477	3.762573	0	5792.847	9.488515	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2051	3	4.4982E+07	9.073345	0	3.940903	5774.142	1.677186E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856	1689522	2369637	0	737
2051	4	4.4982E+07	7.814824	0	11.1857	5702.071	3.050429E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-18.5856				

2051	10	4.4982E+07	5.843673	0	57.31624	5720.338	2.867368	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2051	11	4.4982E+07	5.69768	0	64.6897	5726.136	4.014414	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2052	0	4.4982E+07	5.563571	0	72.29601	5734.571	5.468464	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2052	1	4.4982E+07	5.443503	0	79.86172	5742.791	7.211955	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

APPENDIX E.

**MINEWALL Report Containing Input and Output Data
for Island Copper Mine Pit (2 simulations)**

Gradual Filling of Pit

*** MINEWALL 2.0 REPORT ***

ISLAND COPPER MINE -
BASELINE CASE: NATURAL FILLING

Printed on 04-09-1995 at 15:10:04

** INPUT DATA **

OPERATION:

Simulations were performed on a Monthly Basis:

Starting Month/Year is 1/ 1985

Ending Month/Year is 6/ 1995

CLOSURE:

Simulations were performed on a Monthly Basis:

Starting Month/Year is 7/ 1995

Ending Month/Year is 1/ 2055

Geochemical Parameters in this simulation were:

pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
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Geochemical/Rock Units and their physicochemical characteristics were:

Unit Name	Strongly Acid	CoAcid Consuming	Acid Producing	Strongly Acid	PrIn-Pit Waste	Roc
-----------	---------------	------------------	----------------	---------------	----------------	-----

Unit #	1	2	3	4	5
Rate - Control	1: TIME* [F]	1: TIME* [F]	1: TIME* [F]	1: TIME* [F]	1: TIME* [F]
- max 'd', m	.01	.01	.01	.01	.01
Years Exposed	5	5	5	5	5
Wall Area, m^2	467300	250400	834500	116800	3.1E+08
- %Area Sloping	25	25	25	25	0
- Slope Angle	60	60	60	60	0
Ratio Total/Wall	161	161	161	161	1
- %Flushed Reg	30	30	30	30	10
- %Flushed Per	5	5	5	5	5
- %Not Flushed	65	65	65	65	85
Reactive %S	1.5	5	5	10	10
React ppt CaCO3	190	300	120	80	80
Spec. Grev.	3	3	3	3	3
React Al (ppm)	20000	20000	20000	30000	30000
React Ca (ppm)	20000	20000	20000	30000	30000
React Cd (ppm)	1	1	1	3	3
React Cu (ppm)	600	600	600	600	600
React Zn (ppm)	200	200	200	900	900

For each Geochemical Unit, the FACTOR in the rate-control equation was:

Unit	1	2	3	4	5
Factor	-.1	-.1	-.1	-.1	-.1

Periodic, non-regular fracture flushing over an annual period was:

Time	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5
1	1	1	1	1	1
2	1	1	1	1	1
3	1	1	1	1	1
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	1	1	1	1	1
11	1	1	1	1	1
12	1	1	1	1	1

The following rates are decreased to 0 % when the Units are submerged

For each Geochemical Unit, the following rate information was used:

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Al mg/m^2/d	Ca mg/m^2/d	Cd mg/m^2/d	Cu mg/m^2/d	Zn mg/m^2/d
1	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.00146	.0071
2	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.00146	.0071
3	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.00146	.0071
4	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.00146	.0071
5	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.00146	.0071
6	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.00146	.0071
7	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.00146	.0071

Adjusted Fresh Rates (at time of initial exposure):

[illegible]

Month	Flow (m ³ /d)	SO ₄ mg/m ² /d	Acid mg/m ² /d	NP mg/m ² /d	pH	Al mg/m ² /d	Ca mg/m ² /d	Cd mg/m ² /d	Cu mg/m ² /d	Zn mg/m ² /d
1	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.00127	.0071
2	0	1.27	1.27	3.39	6.25	.0186	1.32	.00127	.00127	.0071
3	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.00127	.0071
4	0	1.27	1.27	3.39	6.25	.0186	1.32	.00127	.00127	.0071
5	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.00127	.0071
6	0	1.27	1.27	3.39	6.25	.0186	1.32	.00127	.00127	.0071
7	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.00127	.0071
8	0	1.27	1.27	3.39	6.25	.0186	1.32	.00127	.00127	.0071
9	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.00127	.0071
10	0	1.27	1.27	3.39	6.25	.0186	1.32	.00127	.00127	.0071
11	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.00127	.0071
12	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.00127	.0071

[illegible]

Month	Flow (m ³ /d)	SO ₄ mg/m ² /d	Acid mg/m ² /d	NP mg/m ² /d	pH	Al mg/m ² /d	Ca mg/m ² /d	Cd mg/m ² /d	Cu mg/m ² /d	Zn mg/m ² /d
1	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027	.0071
2	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027	.0071
3	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027	.0071
4	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027	.0071
5	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027	.0071
6	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027	.0071
7	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027	.0071
8	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027	.0071
9	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027	.0071
10	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027	.0071
11	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027	.0071
12	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027	.0071

[illegible]

UNIT # 4

Month	Flow (m ³ /d)	SO ₄ mg/m ² /d	Acid mg/m ² /d	NP mg/m ² /d	pH	Al mg/m ² /d	Ca mg/m ² /d	Cd mg/m ² /d	Cu mg/m ² /d	Zn mg/m ² /d
1	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
2	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
3	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
4	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
5	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
6	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
7	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
8	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
9	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
10	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
11	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
12	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024

* FLO/CONC/RATE Unit # 0

UNIT # 5

Month	Flow (m ³ /d)	SO ₄ mg/m ² /d	Acid mg/m ² /d	NP mg/m ² /d	pH	Al mg/m ² /d	Ca mg/m ² /d	Cd mg/m ² /d	Cu mg/m ² /d	Zn mg/m ² /d
1	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
2	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
3	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
4	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
5	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
6	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
7	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
8	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
9	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
10	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
11	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
12	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024

* FLO/CONC/RATE Unit # 0

Rate Acceleration Factor for each Unit when NP was depleted was:

Unit	# 1	1
Unit	# 2	1
Unit	# 3	1
Unit	# 4	1
Unit	# 5	1

Mine dimensions and distribution of Geochemical Units in the mine were:

* PIT DIM'S						
Important Pts.	Elev. (masl)	Cum.Vol.(m ³)	Area (m ²)	Unit# 1 (Cum.%)	Unit# 2 (Cum.%)	Unit# 3 (Cum.%)
Top of Mine	400	2.867229E+08	2.458769E+07	100	100	100
Drain Level	304.8	2.867229E+08	2.458769E+07	95	95	95
Equil. Level	304.8	2.867229E+08	2.458769E+07	95	95	95
280.4	2.447867E+08	2.116863E+07	90	90	90	90
231.6	1.713932E+08	1.521497E+07	80	80	80	80
207.3	1.400377E+08	1.263228E+07	75	75	75	75
158.5	8.661631E+07	8200398	65	65	65	65
134.1	6.564806E+07	6424155	60	60	60	60
109.7	4.872557E+07	4938580	55	55	55	55
85.3	3.491008E+07	3681851	50	50	50	50
61	2.368923E+07	2633728	45	45	45	45
36.6	1.475111E+07	1764123	40	40	40	40
12.2	8342741	1090870	35	35	35	35
-12.2	4206031	607226	30	30	30	30
-36.6	1955403	279047	25	25	25	25
-61	791615	90513	20	20	20	20
-85.3	185428	14566	15	15	15	15
Bottom of Mine	-109.7	0	1000	10	10	10

Characteristics of the Layers during Operation (Mine Bottom) and During Closure (others), if selected, were:

LAYER NUMBER:	0	1
LAYER NAME:	Mine Bottom	Pit Water
FLows:...	0	
-Precip (%)	100	100
-Evap (%)	100	100
-Runoff (%)	100	100
-Sat Flow (%)	100	100
-Pump#1 (%)	100	100
-Pump#2 (%)	100	100

CHEM:...

-Mass Balance
-Set Value
-Equilibrium
-Kinetic
-Empirical

The geochemical control for each Parameter in each layer were:

The information used for each of the flows was:

* PIT PRECIP										
* OPERATION										
Time	Precip (m/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
1	.0137	5	20	0	0	0	0	0	0	0
2	.0062	5	0	0	0	0	0	0	0	0
3	.00126	5	0	0	0	0	0	0	0	0
4	.00309	5	0	0	0	0	0	0	0	0
5	.00237	5	0	0	0	0	0	0	0	0
6	.00245	5	0	0	0	0	0	0	0	0
7	.000439	5	0	300	0	0	0	0	0	0
8	.00152	5	0	0	0	0	0	0	0	0
9	.00311	5	0	0	0	0	0	0	0	0
10	.00368	5	0	0	0	0	0	0	0	0
11	.0133	5	20	0	0	0	0	0	0	0
12	.0153	5	20	0	0	0	0	0	0	0
* CLOSURE										
Time	Precip (m/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
7	.000439	5	0	300	0	0	0	0	0	0
8	.00152	5	0	0	0	0	0	0	0	0
9	.00301	5	0	0	0	0	0	0	0	0
10	.00368	5	0	0	0	0	0	0	0	0
11	.0133	5	20	0	0	0	0	0	0	0
12	.0153	5	20	0	0	0	0	0	0	0
1	.0137	5	20	0	0	0	0	0	0	0
2	.0062	5	0	0	0	0	0	0	0	0
3	.00126	5	0	0	0	0	0	0	0	0
4	.00309	5	0	0	0	0	0	0	0	0
5	.00237	5	0	0	0	0	0	0	0	0
6	.00245	5	0	0	0	0	0	0	0	0

* PIT SATUR GW

* OPERATION										
Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
1	1500	8	1200	0	200	.001	300	.001	.01	.01
2	1500	8	1200	0	200	.001	300	.001	.01	.01

3	1500	8	1200	0	200	.001	300	.001	.01	.01
4	1500	8	1200	0	200	.001	300	.001	.01	.01
5	1500	8	1200	0	200	.001	300	.001	.01	.01
6	1500	8	1200	0	200	.001	300	.001	.01	.01
7	1500	8	1200	0	200	.001	300	.001	.01	.01
8	1500	8	1200	0	200	.001	300	.001	.01	.01
9	1500	8	1200	0	200	.001	300	.001	.01	.01
10	1500	8	1200	0	200	.001	300	.001	.01	.01
11	1500	8	1200	0	200	.001	300	.001	.01	.01
12	1500	8	1200	0	200	.001	300	.001	.01	.01
* CLOSURE										
Time	Flow (m³/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
7	1500	8	1200	0	200	.001	300	.001	.01	.01
8	1500	8	1200	0	200	.001	300	.001	.01	.01
9	1500	8	1200	0	200	.001	300	.001	.01	.01
10	1500	8	1200	0	200	.001	300	.001	.01	.01
11	1500	8	1200	0	200	.001	300	.001	.01	.01
12	1500	8	1200	0	200	.001	300	.001	.01	.01
1	1500	8	1200	0	200	.001	300	.001	.01	.01
2	1500	8	1200	0	200	.001	300	.001	.01	.01
3	1500	8	1200	0	200	.001	300	.001	.01	.01
4	1500	8	1200	0	200	.001	300	.001	.01	.01
5	1500	8	1200	0	200	.001	300	.001	.01	.01
6	1500	8	1200	0	200	.001	300	.001	.01	.01
* PIT RUNOFF										
* OPERATION										
Time	Flow (m³/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
1	0	7	200	0	0	0	0	0	0	0
2	8269	7	200	0	0	0	0	0	0	0
3	0	7	200	0	0	0	0	0	0	0
4	0	7	200	0	0	0	0	0	0	0
5	187	7	200	0	0	0	0	0	0	0
6	0	7	200	0	0	0	0	0	0	0
7	0	7	200	0	0	0	0	0	0	0
8	339	7	200	0	0	0	0	0	0	0
9	0	7	200	0	0	0	0	0	0	0
10	0	7	200	0	0	0	0	0	0	0
11	0	7	200	0	0	0	0	0	0	0
12	0	7	200	0	0	0	0	0	0	0
* CLOSURE										
Time	Flow (m³/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
7	0	7	200	0	0	0	0	0	0	0
8	339	7	200	0	0	0	0	0	0	0
9	0	7	200	0	0	0	0	0	0	0
10	0	7	200	0	0	0	0	0	0	0
11	0	7	200	0	0	0	0	0	0	0
12	0	7	200	0	0	0	0	0	0	0
1	0	7	200	0	0	0	0	0	0	0
2	8269	7	200	0	0	0	0	0	0	0
3	0	7	200	0	0	0	0	0	0	0
4	0	7	200	0	0	0	0	0	0	0
5	187	7	200	0	0	0	0	0	0	0
6	0	7	200	0	0	0	0	0	0	0
* PIT EVAP										
* OPERATION										
Time	Flow (m³/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
1	-11361	5	0	0	0	0	0	0	0	0
2	0	5	0	0	0	0	0	0	0	0
3	-26	5	0	0	0	0	0	0	0	0
4	-3620	5	0	0	0	0	0	0	0	0
5	0	5	0	0	0	0	0	0	0	0
6	-4023	5	0	0	0	0	0	0	0	0
7	-3965	5	0	0	0	0	0	0	0	0
8	0	5	0	0	0	0	0	0	0	0
9	-3710	5	0	0	0	0	0	0	0	0
10	-7977	5	0	0	0	0	0	0	0	0
11	-17910	5	0	0	0	0	0	0	0	0
12	-16203	5	0	0	0	0	0	0	0	0
* CLOSURE										
Time	Flow (m³/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
7	-3965	5	0	0	0	0	0	0	0	0
8	0	5	0	0	0	0	0	0	0	0
9	-3710	5	0	0	0	0	0	0	0	0
10	-7977	5	0	0	0	0	0	0	0	0
11	-17910	5	0	0	0	0	0	0	0	0
12	-16203	5	0	0	0	0	0	0	0	0

1	-11361	5	0	0	0	0	0	0	0	0
2	0	5	0	0	0	0	0	0	0	0
3	-26	5	0	0	0	0	0	0	0	0
4	-3620	5	0	0	0	0	0	0	0	0
5	0	5	0	0	0	0	0	0	0	0
6	-4023	5	0	0	0	0	0	0	0	0

* PIT PUMP #1
* OPERATION

Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
1	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0

* CLOSURE

Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
7	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0

* PIT PUMP #2

Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
1	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0

* CLOSURE

Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
7	320000	4	0	450	1570	35	310	.072	.73	18
8	320000	4	0	450	1570	35	310	.072	.73	18
9	310000	4	0	450	1570	35	310	.072	.73	18
10	320000	4	0	450	1570	35	310	.072	.73	18
11	320000	4	0	450	1570	35	310	.072	.73	18
12	320000	4	0	450	1570	35	310	.072	.73	18
1	320000	4	0	450	1570	35	310	.072	.73	18
2	289000	4	0	450	1570	35	310	.072	.73	18
3	320000	4	0	450	1570	35	310	.072	.73	18
4	310000	4	0	450	1570	35	310	.072	.73	18
5	320000	4	0	450	1570	35	310	.072	.73	18
6	310000	4	0	450	1570	35	310	.072	.73	18

During Operation, Pump #2 was adjusted to obtain no net accumulation of water

== SIMULATION RESULTS ==

* OPERATION *

Non-convective Total Loadings and Flows Per Time Interval:

YEAR	hish Flow(m ³ /s)	ph(mg/m)	Al(mg/m)	As(mg/m)	Ca(mg/m)	Co(mg/m)	Cu(mg/m)	Fe(mg/m)	1:3 rem.(kg)	1:NrPom.(kg)	2:5 rem.(kg)	2:NrPom.(kg)	3:5 rem.(kg)	3:NrPom.(kg)	4:5 rem.(kg)	4:NrPom.(kg)	5:5 rem.(kg)	5:NrPom.(kg)	Pump #	(m ³ /s)	Water Elev(m)		
1983	1	2.006071E+07	1.010011E+11	1.323397E+11	1.699093E+11	1.163093E+11	1.369126E+11	1.565899E+11	1.232300	4.447354E+07	1.409935E+07	4.138427E+07	5.322931E+07	5.754544E+07	4.318444E+07	2.307305E+07	6.005499E+07	7.006783E+07	5.302008E+07	9.342183E+07	7.236371E+07	2.006071E+07	-109.7
1983	2	9672974	5.084713E+10	6.435839E+10	1.532602E+11	1.932601E+11	1.235894E+11	1.415757E+11	210000	4.050186E+07	1.272342E+07	4.157414E+07	5.322436E+07	7.554482E+07	4.531796E+07	2.307345E+07	6.004941E+07	7.008197E+07	5.300177E+07	9.343499E+07	7.233715E+07	9672974	-109.7
1983	3	2130873	1.145186E+10	5.072741E+10	1.695352E+11	2.160532E+11	1.366914E+11	1.364487E+11	232300	4.480485E+07	1.407695E+07	4.136302E+07	5.321806E+07	7.554414E+07	4.531742E+07	2.307169E+07	6.004322E+07	7.007486E+07	5.496002E+07	9.341577E+07	7.239925E+07	2130873	-109.7
1983	4	4437738	2.296379E+10	4.514961E+10	1.333734E+11	1.783738E+11	1.169722E+11	1.369738E+11	223000	5.310446E+07	1.105767E+07	4.135222E+07	5.321515E+07	7.554343E+07	4.531691E+07	2.306999E+07	6.005734E+07	7.006834E+07	5.496018E+07	9.340744E+07	7.244233E+07	4437738	-109.7
1983	5	3868603	2.008699E+10	4.710234E+10	1.377027E+11	1.840202E+11	1.153179E+11	1.409854E+11	232300	5.624394E+07	1.141882E+07	4.154108E+07	5.320746E+07	7.554283E+07	4.531637E+07	2.306822E+07	6.003121E+07	7.006201E+07	5.492906E+07	9.339884E+07	7.244446E+07	3868603	-109.7
1983	6	3477321	1.80616E+10	4.512004E+10	1.331561E+11	1.78136E+11	1.151028E+11	1.363838E+11	223000	5.303091E+07	1.104005E+07	4.153035E+07	5.320196E+07	7.554218E+07	4.531585E+07	2.306631E+07	6.002529E+07	7.005377E+07	5.491863E+07	9.339035E+07	7.242754E+07	3477321	-109.7
1983	7	532982.8	3.362414E+09	4.660831E+10	1.382486E+11	1.839903E+11	1.151316E+11	1.408707E+11	232300	5.619115E+07	1.139874E+07	4.151918E+07	5.319628E+07	7.554152E+07	4.531532E+07	2.306475E+07	6.001917E+07	7.004919E+07	5.489757E+07	9.338193E+07	7.239797E+07	532982.8	-109.7
1983	8	2391680	1.373997E+10	4.743379E+10	1.37367E+11	1.838671E+11	1.150369E+11	1.408121E+11	232300	5.616321E+07	1.138951E+07	4.150806E+07	5.319065E+07	7.554086E+07	4.531479E+07	2.306299E+07	6.001306E+07	7.004268E+07	5.487651E+07	9.337343E+07	7.237198E+07	2391680	-109.7
1983	9	4479163	2.307081E+10	4.30762E+10	1.32834E+11	1.778339E+11	1.12407E+11	1.362171E+11	232300	5.497155E+07	1.101387E+07	4.149751E+07	5.318511E+07	7.554021E+07	4.531427E+07	2.306129E+07	6.000714E+07	7.003634E+07	5.485614E+07	9.336304E+07	7.234511E+07	4479163	-109.7
1983	10	5100367	2.620033E+10	7.448469E+10	1.546231E+11	4.011231E+11	2.606181E+11	2.462911E+11	232300	9.46181E+07	2.959932E+07	4.148631E+07	5.317944E+07	7.559953E+07	4.531574E+07	2.305934E+07	6.000104E+07	7.002989E+07	5.463512E+07	9.335674E+07	7.233736E+07	5100367	-109.7
1983	11	1.823408E+07	9.184338E+10	8.81917E+10	1.78153E+11	2.08017E+11	1.31436E+11	1.308652E+11	223000	4.309653E+07	1.353716E+07	4.147548E+07	5.317996E+07	7.553895E+07	4.531328E+07	2.305784E+07	5.999314E+07	7.002361E+07	5.481479E+07	9.334819E+07	7.229036E+07	1.823408E+07	-109.7
1984	0	2.30495E+07	1.10945E+11	9.721103E+10	1.685163E+11	2.148162E+11	1.357088E+11	1.552154E+11	232300	4.44994E+07	1.397743E+07	4.14644E+07	5.316831E+07	7.553824E+07	4.53127E+07	2.305806E+07	5.998905E+07	7.001712E+07	5.47938E+07	9.333936E+07	7.226287E+07	2.30495E+07	-109.7
1984	1	2.006071E+07	1.010011E+11	9.212407E+10	1.676534E+11	2.132637E+11	1.344389E+11	1.530248E+11	232300	4.411077E+07	1.38508E+07	4.145341E+07	5.31627E+07	7.55375E+07	4.531217E+07	2.305454E+07	5.998301E+07	7.00107E+07	5.4773E+07	9.33316E+07	7.223344E+07	2.006071E+07	-109.7
1984	2	9672974	5.084713E+10	6.399123E+10	1.505319E+11	1.923517E+11	1.2137E+11	1.39980E+11	210000	5.981822E+07	1.230263E+07	4.14435E+07	5.315764E+07	7.553699E+07	4.53117E+07	2.305277E+07	5.997736E+07	7.00049E+07	5.473422E+07	9.33235E+07	7.221069E+07	9672974	-109.7
1984	3	2130873	1.145186E+10	5.032419E+10	1.665407E+11	2.130806E+11	1.342774E+11	1.549173E+11	232300	4.405447E+07	1.383334E+07	4.143254E+07	5.315204E+07	7.553634E+07	4.531117E+07	2.305104E+07	5.997152E+07	7.000947E+07	5.473344E+07	9.331504E+07	7.22033E+07	2130873	-109.7
1984	4	4437738	2.296379E+10	4.483134E+10	1.310345E+11	1.780345E+11	1.09734E+11	1.32861E+11	223000	4.323332E+07	1.085772E+07	4.142194E+07	5.314663E+07	7.55357E+07	4.531066E+07	2.304935E+07	5.996369E+07	6.999226E+07	5.471336E+07	9.32984E+07	7.21568E+07	4437738	-109.7
1984	5	3868603	2.008699E+10	4.677643E+10	1.353064E+11	1.818064E+11	1.153116E+11	1.397461E+11	232300	5.36536E+07	1.122319E+07	4.141099E+07	5.314104E+07	7.553035E+07	4.531014E+07	2.304763E+07	5.995967E+07	6.998386E+07	5.469261E+07	9.329094E+07	7.212944E+07	3868603	-109.7
1984	6	3477321	1.80616E+10	4.480696E+10	1.308535E+11	1.781534E+11	1.093848E+11	1.351930E+11	223000	5.44842E+07	1.02319E+07	4.14004E+07	5.313648E+07	7.553441E+07	4.530938E+07	2.304393E+07	5.993308E+07	6.997968E+07	5.467523E+07	9.328921E+07	7.210298E+07	3477321	-109.7
1984	7	532982.8	3.362414E+09	4.62768E+10	1.335911E+11	1.816228E+11	1.13137E+11	1.396512E+11	232300	5.36104E+07	1.120777E+07	4.138947E+07	5.313003E+07	7.55357E+07	4.530911E+07	2.304422E+07	5.994784E+07	6.997326E+07	5.463184E+07	9.328177E+07	7.207567E+07	532982.8	-109.7
1984	8	2391680	1.373997E+10	4.711562E+10	1.350292E+11	1.815251E+11	1.130793E+11	1.396230E+11	232300	5.3573E+07	1.119566E+07	4.137845E+07	5.312475E+07	7.553331E+07	4.530835E+07	2.304349E+07	5.994182E+07	6.995686E+07	5.463133E+07	9.327533E+07	7.204836E+07	2391680	-109.7
1984	9	4479163	2.307081E+10	4.477071E+11	1.303898E+11	1.753889E+11	1.09360E+11	1.330358E+11	223000	5.441835E+07	1.083152E+07	4.136797E+07	5.311906E+07	7.553246E+07	4.530806E+07	2.304082E+07	5.993601E+07	6.996067E+07	5.461111E+07	9.326317E+07	7.202196E+07	4479163	-109.7
1984	10	5100367	2.620033E+10	7.369273E+11	1.48394E+11	5.93094E+11	2.361917E+11	2.432498E+11	232300	9.30478E+07	2.9037E+07	4.135706E+07	5.311551E+07	7.553182E+07	4.530746E+07	2.30391E+07	5.993002E+07	6.993429E+07	5.459048E+07	9.325674E+07	7.199471E+07	5100367	-109.7
1984	11	1.823408E+07	9.184338E+10	8.782398E+10	1.603082E+11	2.053008E+11	1.29246E+11	1.494763E+11	223000	4.241398E+07	1.331362E+07	4.13465E+07	5.310812E+07	7.55311E+07	4.530703E+07	2.303742E+07	5.992422E+07	6.99481E+07	5.457048E+07	9.32485E+07	7.19834E+07	1.823408E+07	-109.7
1984	0	2.30495E+07	1.10945E+11	9.63617E+10	1.63323E+11	2.120322E+11	1.35464E+11	1.540416E+11	232300	4.380149E+07	1.375007E+07	4.13356E+07	5.310256E+07	7.553035E+07	4.530632E+07	2.30357E+07	5.991822E+07	6.99418E+07	5.45498E+07	9.324018E+07	7.19419E+07	2.30495E+07	-109.7
1984	1	2.006071E+07	1.010011E+11	9.178282E+10	1.645317E+11	2.107518E+11	1.324162E+11	1.537368E+11	232300	4.347948E+07	1.364387E+07	4.132479E+07	5.309704E+07	7.552998E+07	4.530601E+07	2.303399E+07	5.991222E+07	6.99334E+07	5.452932E+07	9.323184E+07	7.191409E+07	2.006071E+07	-109.7
1984	2	9672974	5.084713E+10	6.364301E+10	1.482378E+11	1.902378E+11	1.19336E+11	1.588177E+11	210000	5.924842E+07	1.231692E+07	4.131503E+07	5.309206E+07	7.55293E+07	4.530545E+07	2.30324E+07	5.990691E+07	6.992386E+07	5.451082E+07	9.32234E+07	7.18897E+07	9672974	-109.7
1984	3	2130873	1.145186E+10	4.998768E+10	1.640414E+11	2.105414E+11	1.32625E+11	1.565922E+11	232300	4.34822E+07	1.362827E+07	4.130422E+07	5.308654E+07	7.552866E+07	4.530505E+07	2.303074E+07	5.990099E+07	6.991356E+07	5.449036E+07	9.321977E+07	7.186271E+07	2130873	-109.7
1984	4	4437738	2.296379E+10	4.465359E+10	1.290802E+11	1.7408E+11	1.080977E+11	1.342752E+11	223000	5.40469E+07	1.070999E+07	4.129378E+07	5.308121E+07	7.55280E+07	4.530422E+07	2.302906E+07	5.989532E+07	6.991725E+07	5.447035E+07	9.320791E+07	7.183661E+07	4437738	-109.7
1984	5	3868603	2.008699E+10	4.650359E+10	1.33301E+11	1.79801E+11	1.116328E+11	1.387089E+11	232300	5.316178E+07	1.105934E+07	4.128298E+07	5.307317E+07	7.552739E+07	4.530401E+07	2.302738E+07	5.98899E+07	6.991093E+07	5.443014E+07	9.320193E+07	7.180966E+07	3868603	-109.7
1984	6	3477321	1.80616E+10	4.454471E+10	1.289728E+11	1.793281E+11	1.079703E+11	1.341966E+11	223000	5.30942E+07	1.069664E+07	4.127253E+07	5.307054E+07	7.55267E+07	4.530331E+07	2.302575E+07	5.988356E+07	6.990442E+07	5.440397E+07	9.319132E+07	7.17836E+07	3477321	-109.7
1984	7	532982.8	3.362414E+09	4.601863E+10	1.339138E+11	1.79454E+11	1.113025E+11	1.348283E+11	232300	5.31233E+07	1.104667E+07	4.126178E+07	5.306488E+07	7.552618E+07	4.530299E+07	2.302402E+07	5.987764E+07	6.989831E+07	5.440068E+07	9.318312E+07	7.17667E+07	532982.8	-109.7
1984	8	2391680	1.373997E+10	4.684648E+10	1.330636E+11	1.793637E+11	1.114356E+11	1.348578E+11	232300	5.310369E+07	1.104019E+07	4.125018E+07	5.305938E+07	7.552448E+07	4.530242E+07	2.302323E+07	5.987171E+07	6.989221E+07	5.438936E+07	9.317498E+07	7.172977E+07	2391680	-109.7
1984	9	4479163	2.307081E+10	4.513345E+10	1.287015E+11	1.737901E+11	1.07780E+11	1.340793E+11															

1990 5	3868603	2.006899E+10	4.388295E+11	1.287408E+11	1.752400E+11	1.078142E+11	1.363496E+11	232.500	3.403835E+07	1.068992E+04	4.090484E+07	5.288444E+07	7.530494E+07	4.328612E+07	2.496812E+07	5.968338E+07	6.969164E+07	5.374057E+07	9.191042E+07	7.067386E+07	4.0686003	-109.7
1990 6	3477321	1.80616E+10	4.994725E+11	1.337377E+11	1.693376E+11	1.042944E+11	1.519248E+11	232.500	3.292799E+07	1.094004E+04	4.089362E+07	5.287933E+07	7.530434E+07	4.328644E+07	2.496632E+07	5.967776E+07	6.968574E+07	5.372144E+07	9.190294E+07	7.084806E+07	4.0686003	-109.7
1990 7	532982.8	3.562414E+09	4.340717E+11	5.294023E+11	1.751342E+11	1.077231E+11	1.862944E+11	232.500	4.012011E+07	1.068026E+04	4.088799E+07	5.287402E+07	7.530371E+07	4.328612E+07	2.496447E+07	5.967263E+07	6.967963E+07	5.370176E+07	9.189464E+07	7.082267E+07	4.0686003	-109.7
1990 8	2391680	1.573997E+10	4.623597E+11	1.283797E+11	1.730797E+11	1.076797E+11	1.932662E+11	232.500	3.998399E+07	1.067382E+04	4.077547E+07	5.286471E+07	7.530311E+07	4.328612E+07	2.496333E+07	5.966631E+07	6.967335E+07	5.368204E+07	9.188636E+07	7.082267E+07	4.0686003	-109.7
1990 9	4479163	1.307081E+10	4.302612E+11	1.134832E+11	1.693824E+11	1.041664E+11	1.91843E+11	232.500	3.889899E+07	1.052745E+04	4.066747E+07	5.286337E+07	7.530249E+07	4.328417E+07	2.496164E+07	5.966077E+07	6.966766E+07	5.366237E+07	9.187878E+07	7.077133E+07	4.0686003	-109.7
1990 10	5100367	2.620033E+10	7.130773E+11	3.319348E+11	3.784543E+11	2.439741E+11	2.330088E+11	232.500	8.671389E+07	2.767493E+04	4.083700E+07	5.283262E+07	7.530188E+07	4.328638E+07	2.495999E+07	5.965303E+07	6.966138E+07	5.364338E+07	9.187073E+07	7.074333E+07	4.0686003	-109.7
1990 11	1.823408E+07	9.184338E+10	8.61061E+11	1.537399E+11	1.177739E+11	1.231676E+11	1.4832E+11	232.500	4.025644E+07	1.269936E+04	4.084702E+07	5.283132E+07	7.530126E+07	4.328323E+07	2.495844E+07	5.964932E+07	6.965377E+07	5.363422E+07	9.186298E+07	7.072042E+07	4.0686003	-109.7
1991 0	2.204957E+07	1.109435E+11	9.379317E+11	1.377875E+11	2.042459E+11	1.2722E+11	1.304402E+11	232.500	4.18608E+07	1.311773E+04	4.083632E+07	5.28472E+07	7.530064E+07	4.328272E+07	2.495876E+07	5.964381E+07	6.964962E+07	5.360454E+07	9.184549E+07	7.069447E+07	4.0686003	-109.7
1991 1	2.060071E+07	1.010011E+11	9.040991E+11	1.370037E+11	2.033036E+11	1.263909E+11	1.300412E+11	232.500	4.166337E+07	1.303378E+04	4.082592E+07	5.284254E+07	7.530002E+07	4.328221E+07	2.495512E+07	5.963813E+07	6.964337E+07	5.358496E+07	9.184609E+07	7.068635E+07	4.0686003	-109.7
1991 2	9672974	5.084713E+10	6.281045E+11	1.417623E+11	1.837623E+11	1.143007E+11	1.354939E+11	210000	3.762089E+07	1.178649E+04	4.081696E+07	5.283778E+07	7.529947E+07	4.328172E+07	2.495364E+07	5.96333E+07	6.96381E+07	5.356727E+07	9.183977E+07	7.064332E+07	4.0672974	-109.7
1991 3	215073	1.145186E+10	4.902466E+11	1.368997E+11	2.033862E+11	1.264972E+11	1.499817E+11	232.500	4.163632E+07	1.304438E+04	4.080636E+07	5.283232E+07	7.529821E+07	4.328127E+07	2.495201E+07	5.962733E+07	6.963206E+07	5.354778E+07	9.18316E+07	7.061911E+07	4.0686003	-109.7
1991 4	447734	2.296379E+10	4.380302E+11	1.234779E+11	1.684779E+11	1.034077E+11	1.31977E+11	232.500	3.743434E+07	1.039169E+04	4.078631E+07	5.282213E+07	7.529733E+07	4.32805E+07	2.494879E+07	5.961613E+07	6.962016E+07	5.350922E+07	9.181612E+07	7.036977E+07	4.0686003	-109.7
1991 5	3868603	2.006899E+10	4.372008E+11	1.273438E+11	1.740438E+11	1.068121E+11	1.337304E+11	232.500	3.743434E+07	1.039169E+04	4.078631E+07	5.282213E+07	7.529733E+07	4.32805E+07	2.494879E+07	5.961613E+07	6.962016E+07	5.350922E+07	9.181612E+07	7.036977E+07	4.0686003	-109.7
1991 6	3477321	1.80616E+10	4.979033E+11	1.233844E+11	1.683845E+11	1.032878E+11	1.312878E+11	232.500	3.264381E+07	1.024636E+04	4.077633E+07	5.281703E+07	7.529703E+07	4.327982E+07	2.494721E+07	5.961066E+07	6.961431E+07	5.349033E+07	9.180842E+07	7.034382E+07	4.0686003	-109.7
1991 7	532982.8	3.562414E+09	4.324325E+11	5.282119E+11	1.739476E+11	1.06731E+11	1.336704E+11	232.500	3.371973E+07	1.038389E+04	4.076602E+07	5.281176E+07	7.529642E+07	4.327933E+07	2.494348E+07	5.960499E+07	6.960427E+07	5.347076E+07	9.180045E+07	7.031802E+07	4.0686003	-109.7
1991 8	2391680	1.573997E+10	4.607724E+11	1.279492E+11	1.734942E+11	1.066902E+11	1.363311E+11	232.500	3.77936E+07	1.038389E+04	4.075717E+07	5.280635E+07	7.529635E+07	4.327894E+07	2.494393E+07	5.959933E+07	6.960224E+07	5.343133E+07	9.179249E+07	7.049229E+07	4.0686003	-109.7
1991 9	4479163	1.307081E+10	4.577112E+11	1.23244E+11	1.682441E+11	1.029112E+11	1.312362E+11	232.500	3.269296E+07	1.023467E+04	4.074537E+07	5.280141E+07	7.529549E+07	4.327836E+07	2.494237E+07	5.959844E+07	6.95964E+07	5.342348E+07	9.178479E+07	7.046731E+07	4.0686003	-109.7
1991 10	5100367	2.620033E+10	7.110997E+11	3.289064E+11	3.754043E+11	2.471735E+11	2.334909E+11	232.500	8.792238E+07	2.742222E+04	4.073434E+07	5.279615E+07	7.529458E+07	4.327878E+07	2.494074E+07	5.95818E+07	6.959807E+07	5.341282E+07	9.177684E+07	7.044162E+07	4.0686003	-109.7
1991 11	1.823408E+07	9.184338E+10	8.66238E+11	1.531724E+11	1.963725E+11	1.22049E+11	1.449104E+11	232.500	4.017887E+07	1.236623E+04	4.072346E+07	5.279106E+07	7.529399E+07	4.32774E+07	2.493916E+07	5.95827E+07	6.958433E+07	5.338948E+07	9.176915E+07	7.041673E+07	4.0686003	-109.7
1992 0	2.204957E+07	1.109435E+11	9.380098E+11	1.363388E+11	2.028388E+11	1.260509E+11	1.497103E+11	232.500	4.130519E+07	1.300049E+04	4.071316E+07	5.278783E+07	7.529336E+07	4.327691E+07	2.493733E+07	5.957704E+07	6.95785E+07	5.337444E+07	9.176121E+07	7.03911E+07	4.0686003	-109.7
1992 1	2.060071E+07	1.010011E+11	9.062749E+11	1.35631E+11	2.02151E+11	1.254999E+11	1.493463E+11	232.500	4.13239E+07	1.294316E+04	4.070492E+07	5.278057E+07	7.529282E+07	4.327642E+07	2.493591E+07	5.957131E+07	6.95723E+07	5.335007E+07	9.175329E+07	7.036548E+07	4.0686003	-109.7
1992 2	1.001844E+07	5.266309E+10	6.48836E+11	1.435826E+11	1.890626E+11	1.17784E+11	1.396948E+11	217300	3.86481E+07	1.210435E+04	4.069334E+07	5.277368E+07	7.529218E+07	4.327696E+07	2.49344E+07	5.956614E+07	6.95669E+07	5.33687E+07	9.174589E+07	7.034143E+07	4.0686003	-109.7
1992 3	215073	1.145186E+10	4.884369E+11	1.535431E+11	2.020451E+11	1.254136E+11	1.492943E+11	232.500	4.129941E+07	1.293451E+04	4.06831E+07	5.27704E+07	7.529158E+07	4.327547E+07	2.493278E+07	5.956033E+07	6.95609E+07	5.331747E+07	9.173798E+07	7.031586E+07	4.0686003	-109.7
1992 4	2396379E+10	4.363936E+11	1.224236E+11	1.674337E+11	1.023244E+11	1.308717E+11	232.500	3.76716E+07	1.016834E+04	4.067519E+07	5.27654E+07	7.529096E+07	4.327499E+07	2.493121E+07	5.955303E+07	6.95531E+07	5.32987E+07	9.173034E+07	7.029111E+07	4.0686003	-109.7	
1992 5	3868603	2.006899E+10	4.357247E+11	1.264349E+11	1.72939E+11	1.039038E+11	1.351692E+11	232.500	3.547622E+07	1.028302E+04	4.066496E+07	5.276017E+07	7.529037E+07	4.327454E+07	2.492993E+07	5.954923E+07	6.954911E+07	5.327931E+07	9.172433E+07	7.026355E+07	4.0686003	-109.7
1992 6	3477321	1.80616E+10	4.364794E+11	1.233383E+11	1.673383E+11	1.024331E+11	1.307877E+11	232.500	3.23862E+07	1.016142E+04	4.065306E+07	5.275312E+07	7.528977E+07	4.327403E+07	2.492803E+07	5.954397E+07	6.954331E+07	5.326936E+07	9.171478E+07	7.024041E+07	4.0686003	-109.7
1992 7	532982.8	3.562414E+09	4.309671E+11	5.271397E+11	1.728714E+11	1.038303E+11	1.351293E+11	232.500	3.543642E+07	1.040647E+04	4.064448E+07	5.274999E+07	7.528916E+07	4.327354E+07	2.492641E+07	5.953436E+07	6.953733E+07	5.324118E+07	9.170699E+07	7.021526E+07	4.0686003	-109.7
1992 8	2391680	1.573997E+10	4.399137E+11	1.263233E+11	1.728263E+11	1.037929E+11	1.351007E+11	232.500	3.344337E+07	1.040292E+04	4.063441E+07	5.274468E+07	7.528834E+07	4.327303E+07	2.492479E+07	5.953274E+07	6.953134E+07	5.322182E+07	9.169999E+07	7.018972E+07	4.0686003	-109.7
1992 9	4479163	1.307081E+10	4.36306E+11	1.221017E+11	1.672108E+11	1.023462E+11	1.307215E+11	232.500	3.235472E+07	1.015194E+04	4.062472E+07	5.273963E+07	7.528793E+07	4.327283E+07	2.492323E+07	5.952733E+07	6.952336E+07	5.320308E+07	9.169133E+07	7.016302E+07	4.0686003	-109.7
1992 10	5100367	2.620033E+10	7.074365E+11	3.261404E+11	3.726404E+11	2.397038E+11	2.32114E+11	232.500	8.760242E+07	2.619404E+04	4.06145E+07	5.273441E+07	7.528734E+07	4.327209E+07	2.492161E+07	5.952168E+07	6.951956E+07	5.318373E+07	9.168346E+07	7.016302E+07	4.0686003	-109.7
1992 11	1.823408E+07	9.184338E+10	6.645412E+11	1.301124E+11	1.951123E+11	1.210325E+11	1.44266E+11	232.500	3.986309E+07	1.243333E+04	4.060462E+07	5.272937E+07	7.528674E+07	4.327161E+07	2.492004E+07	5.951623E+07	6.951379E+07	5.316301E+07	9.167382E+07	7.01148E+07	4.0686003	-109.7
1993 0	2.204957E+07	1.109435E+11	9.542633E+11	1.306165E+11	2.013616E+11	1.230233E+11	1.490474E+11	232.500	4.117824E+07	1.289302E+04	4.059441E+07	5.272416E+07	7.528616E+07	4.327112E+07	2.491844E+07	5.951063E+07	6.950782E+07	5.314367E+07	9.166795E+07	7.00892E+07	4.0686003	-109.7
1993 1	2.060071E+07	1.010011E+11	9.040991E+11	1.344114E+11	2.009114E+11	1.244997E+11	1.487145E+11	232.500	4.10133E+07	1.284193E+04	4.058424E+07	5.271897E+07	7.528452E+07	4.327064E+07	2.491642E+07	5.950304E+07	6.950186E+07	5.312648E+07	9.16601E+07	7.00629E+07	4.0686003	-109.7
1993 2	9672974	5.084713E+10	6.489909E+11	1.394247E+11	1.814273E+11	1.124142E+11	1.349018E+11	210000	3.703493E+07	1.15												

1985 4 4457738 7.117308 71.36385 0 40.01413 -1702195 220 6.151924B-05 2.823545B-02 .5218517 4.155222B+07 5.531315B+06 7.534335B+07 4.531697B+06 2.306999B+06 6.005734B+07 7.006834B+07 5.496018B+07 9.240744B+07 7.248235B+08 -4457738 -109.7

1985 5 3868805 7.358677 96.18097 0 47.6148 1644238 220 4.764138B-05 2.038201B-02 .5177817 4.154108B+07 5.320746B+07 7.554283B+07 4.531637B+06 2.306822B+06 6.005121B+07 7.006201B+07 5.499006B+07 9.239884B+07 7.243446B+08 -3868805 -109.7

1985 6 3477321 7.400764 91.46248 0 51.23372 1626312 220 4.393997B-05 1.836192B-02 .2715387 4.153035B+07 5.520196B+07 7.554218B+07 4.531585B+06 2.306651B+06 6.005259B+07 7.005577B+07 5.491863B+07 9.239052B+07 7.243754B+08 -3477321 -109.7

1985 7 532982.8 7.480582 259.8311 0 345.19 1362241 220 1.187779B-05 4.546815B-09 2.146518B-02 4.151918B+07 5.519524B+07 7.554152B+07 4.531532B+06 2.306475B+06 6.001919B+07 7.004919B+07 5.489757B+07 9.238193B+07 7.239974B+08 -532982.8 -109.7

1985 8 2391680 7.821631 190.0202 0 70.94514 1324301 220 2.728035B-05 0.010053 -1073751 4.130806B+07 5.519065B+07 7.554008B+07 4.531479B+06 2.306299B+06 6.001306B+07 7.004268B+07 5.487651B+07 9.237354B+07 7.237196B+08 -2391680 -109.7

1985 9 4479163 7.111167 70.97935 0 39.70247 1708886 220 6.197185B-05 2.830035B-02 .529526 4.149731B+07 5.518511B+07 7.554021B+07 4.531479B+06 2.306129B+06 6.000714B+07 7.003638B+07 5.483614B+07 9.236304B+07 7.235151B+08 -4479163 -109.7

1985 10 5100367 7.19917 76.30336 0 78.64324 1680569 220 5.997792B-05 2.303406B-02 .4345188 4.148621B+07 5.517944B+07 7.553935B+07 4.531574B+06 2.303934B+06 6.000104B+07 7.002999B+07 5.483512B+07 9.235647B+07 7.231548B+08 -5100367 -109.7

1985 11 1.823408B+07 6.42104 39.43619 0 11.40814 1898319 220 1.376035B-02 7.880136B-02 2.448832 4.147548B+07 5.517398B+07 7.553898B+07 4.531825B+06 2.303784B+06 5.999514B+07 7.002361B+07 5.481479B+07 9.234819B+07 7.229036B+08 -1.823408B+07 -109.7

1986 0 2.20495B+07 6.329043 36.43407 0 9.742453 1925862 220 1.330435B-02 9.024283B-02 5.038328 4.146448B+07 5.516831B+07 7.553824B+07 4.531278B+06 2.303608B+06 5.998905B+07 7.001712B+07 5.479582B+07 9.233963B+07 7.228287B+08 -2.20495B+07 -109.7

1986 1 2.006071B+07 6.363872 57.60938 0 10.63101 1914848 220 0.146701 8.330062B-02 2.817319 4.143541B+07 5.516127B+07 7.553758B+07 4.531217B+06 2.303434B+06 5.998301B+06 7.001077B+07 5.4773B+07 9.233116B+08 2.223544B+08 -2.006071B+07 -109.7

1986 2 9672974 6.711748 30.39235 0 19.90409 1818281 220 9.816076B-05 5.119196B-02 1.290635 4.144335B+07 5.515764B+07 7.553698B+07 4.531178B+06 2.303278B+06 5.997736B+07 7.000492B+07 5.473422B+07 9.23233B+08 7.221069B+08 -9672974 -109.7

1986 3 2130473 8.03934 135.5417 0 99.04846 1473830 220 2.110098B-05 7.239315B-05 5.991151B-02 4.143254B+07 5.515204B+07 7.553634B+07 4.531117B+06 2.303104B+06 5.997152B+06 6.999847B+07 5.473344B+07 9.231504B+08 7.218133B+08 -2130473 -109.7

1986 4 4457738 7.114391 71.17455 0 39.48948 1703026 220 6.174133B-05 2.836347B-02 .5235131 4.142194B+07 5.514663B+07 7.553577B+07 4.531068B+06 2.304996B+06 5.998369B+06 6.999726B+07 5.471336B+07 9.230685B+08 7.215688B+08 -4457738 -109.7

1986 5 3868805 7.353628 85.97744 0 46.99335 1643043 220 4.780938B-05 2.047797B-02 .3199621 4.141099B+07 5.514104B+07 7.553530B+07 4.531018B+06 2.304763B+06 5.998947B+06 6.998386B+07 5.469261B+07 9.22984B+08 7.212944B+08 -3868805 -109.7

1986 6 3477321 7.403697 91.22374 0 50.3721 1627094 220 4.409005B-05 1.846321B-02 .2734334 4.140048B+07 5.513564B+07 7.553441B+07 4.530963B+06 2.304395B+06 5.995358B+06 6.997966B+07 5.467335B+07 9.229021B+08 7.210299B+08 -3477321 -109.7

1986 7 532982.8 8.532545 238.2549 0 340.7667 1369314 220 1.198236B-05 5.589935B-02 2.184243B-02 4.138947B+07 5.513005B+07 7.553378B+07 4.530911B+06 2.304422B+06 5.994784B+06 6.997326B+07 5.465184B+07 9.228177B+08 7.207367B+08 -532982.8 -109.7

1986 8 2391680 7.818708 129.6947 0 70.04301 1323204 220 2.733325B-05 1.004678B-02 .1082875 4.137854B+07 5.512447B+07 7.553315B+07 4.530879B+06 2.304249B+06 5.994182B+06 6.996686B+07 5.463115B+07 9.227335B+08 7.204830B+08 -2391680 -109.7

1986 9 4479163 7.108174 70.79835 0 39.30127 1704683 220 6.218661B-05 2.862634B-02 .5328917 4.136779B+07 5.511908B+07 7.553246B+07 4.530808B+06 2.304082B+06 5.993601B+06 6.996067B+07 5.461111B+07 9.226517B+08 7.202196B+08 -4479163 -109.7

1986 10 5100367 7.193474 76.13322 0 77.46091 1682009 220 5.634768B-05 2.524307B-02 .440105 4.135706B+07 5.511531B+07 7.553182B+07 4.530736B+06 2.303919B+06 5.993002B+06 6.995429B+07 5.459044B+07 9.225647B+08 7.199471B+08 -5100367 -109.7

1986 11 1.823408B+07 6.419392 39.37437 0 11.23918 1898777 220 1.378511B-02 7.890348B-02 2.469923 4.134635B+07 5.510812B+07 7.553118B+07 4.530705B+06 2.303742B+06 5.992622B+06 6.994818B+07 5.457044B+07 9.22485B+08 7.198284B+08 -1.823408B+07 -109.7

1987 0 2.20495B+07 6.327633 36.41052 0 9.616192 1936287 220 1.332951B-02 9.040347B-02 5.068212 4.133363B+07 5.510258B+07 7.553058B+07 4.530632B+06 2.303578B+06 5.991822B+06 6.994173B+07 5.454988B+07 9.224018B+08 7.194111B+08 -2.20495B+07 -109.7

1987 1 2.006071B+07 6.364305 57.36382 0 10.3087 1912538 220 1.469329B-02 8.367318B-02 2.82987 4.132475B+07 5.509704B+07 7.552989B+07 4.530601B+06 2.303399B+06 5.991228B+06 6.993548B+07 5.452922B+07 9.223184B+08 7.191409B+08 -2.006071B+07 -109.7

1987 2 9672974 6.711836 30.51108 0 19.669 1813874 220 9.85215B-05 5.153486B-02 1.298342 4.131305B+07 5.509203B+07 7.552938B+07 4.530545B+06 2.303234B+06 5.990691B+06 6.992568B+07 5.451082B+07 9.22245B+08 7.188977B+08 -9672974 -109.7

1987 3 2130473 8.036318 136.1393 0 97.8863 1474063 220 2.126515B-05 7.238398B-05 6.644091B-02 4.130422B+07 5.508834B+07 7.552868B+07 4.530393B+06 2.303074B+06 5.990098B+06 6.992336B+07 5.449036B+07 9.221397B+08 7.188271B+08 -2130473 -109.7

1987 4 4457738 7.117176 71.01637 0 39.5105 1703723 220 6.192796B-05 2.847453B-02 .5283956 4.129379B+07 5.508121B+07 7.552804B+07 4.530354B+06 2.302908B+06 5.990323B+06 6.991725B+07 5.447058B+07 9.220791B+08 7.189561B+08 -4457738 -109.7

1987 5 3868805 7.333071 85.73041 0 46.47122 1643702 220 4.795111B-05 2.033109B-02 .3218024 4.128298B+07 5.507771B+07 7.552739B+07 4.530401B+06 2.302738B+06 5.989835B+06 6.991093B+07 5.445014B+07 9.219936B+08 7.189068B+08 -3868805 -109.7

1987 6 3477321 7.403121 91.02363 0 50.01786 1627073 220 4.422147B-05 1.853542B-02 .2730173 4.127235B+07 5.507078B+07 7.552678B+07 4.530318B+06 2.302575B+06 5.988535B+06 6.990482B+07 5.443077B+07 9.219158B+08 7.187836B+08 -3477321 -109.7

1987 7 532982.8 8.523934 236.9166 0 397.0368 1363328 220 1.307762B-05 5.543248B-05 2.216471B-02 4.126178B+07 5.506488B+07 7.552613B+07 4.530295B+06 2.302402B+06 5.987764B+06 6.989831B+07 5.440998B+07 9.218321B+08 7.175667B+08 -532982.8 -109.7

1987 8 2391680 7.816254 129.4215 0 69.28345 1523795 220 2.743188B-05 1.008346B-02 .1088902 4.123101B+07 5.505938B+07 7.552548B+07 4.530198B+06 2.302026B+06 5.986398B+06 6.988818B+07 5.438943B+07 9.217489B+08 7.173797B+08 -2391680 -109.7

1987 9 4479163 7.103649 70.64643 0 38.77988 1708339 220 6.236834B-05 2.873323B-02 .5339172 4.124063B+07 5.505406B+07 7.552486B+07 4.530198B+06 2.302026B+06 5.986398B+06 6.988818B+07 5.438943B+07 9.216683B+08 7.170374B+08 -4479163 -109.7

1987 10 5100367 7.188669 75.82416 0 76.46788 1683333 220 5.686152B-05 2.542474B-02 .4448734 4.122984B+07 5.504837B+07 7.552422B+07 4.530146B+06 2.301897B+06 5.986002B+06 6.987981B+07 5.438496B+07 9.215854B+08 7.167647B+08 -5100367 -109.7

1987 11 1.823408B+07 6.418205 39.33108 0 11.13367 1899162 220 1.380379B-02 7.913144B-02 2.304199 4.121944B+07 5.504332B+07 7.552339B+07 4.530078B+06 2.301732B+06 5.985434B+06 6.987371B+07 5.432975B+07 9.215051B+08 7.163098B+08 -1.823408B+07 -109.7

1988 0 2.20495B+07 6.326443 36.37342 0 9.309675 1926646 220 1.535016B-02 9.058921B-02 5.076412 4.120874B+07 5.503777B+07 7.552295B+07 4.530046B+06 2.301562B+06 5.984844B+06 6.986742B+07 5.430999B+07 9.214221B+08 7.162040B+08 -2.20495B+07 -109.7

1988 1 2.006071B+07 6.363133 57.3294 0 10.39674 1913609 220 1.471317B-02 8.382099B-02 2.82339 4.119805B+07 5.503623B+07 7.552213B+07 4.529994B+06 2.301193B+06 5.984257B+06 6.986118B+07 5.428917B+07 9.213397B+08 7.159739B+08 -2.006071B+07 -109.7

1988 2 1.001844B+07 6.710236 30.44142 0 19.46791 1814279 220 9.830382B-05 5.143758B-02 1.300861 4.118803B+07 5.503275B+07 7.552117B+07 4.529947B+06 2.301265B+06 5.983709B+06 6.985334B+07 5.427028B+07 9.212637B+08 7.157945B+08 -1.001844B+07 -109.7

1988 3 2130473 8.033924 135.7944 0 96.95193 1474664 220 2.132499B-05 7.916231B-02 6.682795B-02 4.117739B+07 5.502719B+07 7.552108B+07 4.529895B+06 2.301067B+06 5.983123B+06 6.984919B+07 5.423006B+07 9.211804B+08 7.154382B+08 -2130473 -109.7

1988 4 4457738 7.109536 70.88077 0 38.67531 1704322 220 6.208877B-05 2.836913B-02 .531265 4.116708B+07 5.501632B+07 7.552046B+07 4.529846B+06 2.300904B+06 5.982358B+06 6.984306B+07 5.423035B+07 9.211009B+08 7.152008B+08 -4457738 -109.7

1988 5 3868805 7.330873 85.99004 0 46.05231 1646268 220 4.407303B-05 2.061774B-05 3.339922 4.115643B+07 5.501109B+07 7.551942B+07 4.529795B+06 2.300735B+06 5.981978B+06 6.983683B+07 5.421038B+07 9.210186B+08 7.149354B+08 -3868805 -109.7

1988 6 3477321 7.400905 90.85213 0 49.542 1623115 220 4.403491B-02 1.839606B-02 .2763877 4.114613B+07 5.500588B+07 7.551922B+07 4.529746B+06 2.300573B+06 5.981404B+06 6.983088B+07 5.419088B+07 9.209399B+08 7.146772B+08 -3477321 -109.7

1988 7 532982.8 8.520219 235.7638 0 333.8686 1366349 220 1.215767B-05 5.573213B-02 2.245469B-02 4.113549B+07 5.500404B+07 7.551892B+07 4.529695B+06 2.300404B+06 5.980819B+06 6.982438B+07 5.417072B+07 9.208571B+08 7.144151B+08 -532982.8 -109.7

1988 8 2391680 7.819938 129.1863 0 68.63383 1521503 220 2.749937B-05 1.012486B-02 .1094122 4.112486B+07 5.500478B+07 7.551835B+07 4.529644B+06 2.300236B+06 5.980234B+06 6.981835B+07 5.413038B+07 9.207738B+08 7.141459B+08 -2391680 -109.7

1988 9 4479163 7.103473 70.51558 0 38.41711 1709594 220 6.252542B-05 2.882533B-02 .538395 4.111457B+07 5.500972B+07 7.551738B+07 4.529593B+06 2.300073B+06 5.979964B+06 6.981234B+07 5.413111B+07 9.206938B+08 7.138899B+08 -4479163 -109.7

1988 10 5100367 7.184518 75.55648 0 75.61366 1684429 220 5.693407B-05 2.538048B-02 .4490347 4.110394B+07 5.500438B+07 7.551668B+07 4.529545B+06 2.499905B+06 5.979084B+06 6.980611B+07 5.411098B+07 9.206136B+08 7.138236B+08 -5100367 -109.7

1988 11 1.823408B+07 6.417085 39.29338 0 11.02541 1899495 220 1.382367B-02 7.926211B-02 2.510494 4.109367B+07 5.500908B+07 7.551605B+07 4.529496B+06 2.499743B+06 5.979451B+06 6.980011B+07 5.409122B+07 9.205343B+08 7.135367B+08 -1.823408B+07 -109.7

1989 0 2.20495B+07 6.323415 36.34156 0 9.41727 1926936 220 1.536388B-02 9.072655B-02 5.083514 4.108306B+07 5.500786B+07 7.551541B+07 4.529448B+06 2.499575B+06 5.977938B+06 6.979389B+07 5.407141B+07 9.204524B+08 7.131019B+08 -2.20495B+07 -109.7

1989 1 2.006071B+07 6.362113 57.49571 0 10.30238 1913915 220 1.473057B-02 8.393044B-02 2.839897 4.107325B+07 5.500626B+07 7.551477B+07 4.529394B+06 2.499408B+06 5.977738B+06 6.978777B+07 5.405143B+07 9.203709B+08 7.128384B+08 -2.006071B+07 -109.7

1989 2 9672974 6.708817 30.38048 0 19.29202 1814682 220 9.886748B-05 5.156326B-02 1.303006 4.10635B+07 5.500348B+07 7.551431B+07 4.529349B+06 2.499258B+06 5.978632B+06 6.978214B+07 5.403543B+07 9.202974B+08 7.126006B+08 -9672974 -109.7

1989 3 2130473 8.031649 135.4928 0 96.02067 147519 220 2.138316B-05 7.340827B-05 6.716987B-02 4.105246B+07 5.500802B+07 7.551338B+07 4.529298B+06 2.499091B+06 5.978233B+06 6.977966B+07 5.401344B+07 9.202161B+08 7.123373B+08 -2130473 -109.7

1989 4 4457738 7.107369 70.76208 0 38.34623 1704846 220 6.223009B-05 2.863206B-02 .5336148 4.104227B+07 5.500282B+07 7.551297B+07 4.529249B+06 2.498953B+06 5.977692B+06 6.976999B+07 5.399413B+07 9.201578B+08 7.120828B+08 -4457738 -109.7

1989 5 3868805 7.328944 85.44946 0 45.64383 1646766 220 4.818048B-05 2.067646B-02 .324794 4.103174B+07 5.500474B+07 7.551248B+07 4.529199B+06 2.498763B+06 5.977511B+06 6.976383B+07 5.397419B+07 9.200361B+08 7.118196B+08 -3868805 -109.7

1989 6 3477321 7.399558 90.70149 0 49.12465 1628881 220 4.443482B-05 0.018649 2775974 4.102136B+07 5.500222B+07 7.551173B+07 4.529151B+06 2.498602B+06 5.974533B+06 6.975787B+07 5.395498B+07 9.199774B+08 7.115654B+08 -3477321 -109.7

1989 7 532982.8 8.51518 234.7139 0 331.0705 1367627 220 1.222889B-05

1991 1	2.006071E+07	6.305999	34.744101	0	10.16449	.191643	220	1.473978E-02	8.616777E-02	2.280333	6.162629E+07	5.284254E+07	7.590022E+07	4.328221E+07	2.495152E+07	5.903815E+07	6.964357E+07	5.538996E+07	9.184699E+07	7.066863E+07	2.006071E+07	-109.7
1991 2	9572974	6.706457	30.27843	0	18.99731	.1815338	220	9.899928E-03	5.174634E-02	1.31199	4.061696E+07	5.281778E+07	7.549947E+07	4.528178E+07	2.493536E+07	5.963381E+07	6.963818E+07	5.536727E+07	9.183977E+07	7.064532E+07	9572974	-109.7
1991 3	21.90673	8.027823	154.9774	0	94.36127	.1470793	220	1.147948E-03	7.882304E-03	0.077483	4.080666E+07	5.282321E+07	7.549947E+07	4.528177E+07	2.493201E+07	5.962373E+07	6.963208E+07	5.534777E+07	9.183181E+07	7.061951E+07	21.90673	-109.7
1991 4	44.57738	7.104261	70.36291	0	37.7945	.170373	220	6.246843E-02	4.879268E-02	.3375887	4.079664E+07	5.282744E+07	7.549947E+07	4.528078E+07	2.493049E+07	5.962183E+07	6.962628E+07	5.532877E+07	9.182408E+07	7.064532E+07	44.57738	-109.7
1991 5	3868603	7.323697	83.21344	0	44.98881	.1647609	220	4.836133E-03	2.077361E-02	.5271681	4.078631E+07	5.282213E+07	7.549783E+07	4.528013E+07	2.494497E+07	5.961616E+07	6.962016E+07	5.530922E+07	9.181612E+07	7.036877E+07	3868603	-109.7
1991 6	3477321	7.39366	90.44436	0	48.42363	.1629846	220	4.460349E-03	.0177994	.279634	4.074783E+07	5.281703E+07	7.549970E+07	4.527942E+07	2.494712E+07	5.961066E+07	6.961431E+07	5.549035E+07	9.180842E+07	7.034382E+07	3477321	-109.7
1991 7	3329282	8.306666	233.0393	0	326.3682	.1369432	220	1.334962E-03	5.643304E-03	2.131746E-02	4.076602E+07	5.281175E+07	7.549642E+07	4.527933E+07	2.494535E+07	5.960499E+07	6.960627E+07	5.547078E+07	9.180043E+07	7.051805E+07	3329282	-109.7
1991 8	2391680	7.809055	128.6324	0	67.09866	.1537511	220	2.766016E-03	1.019072E-02	.1105775	4.075371E+07	5.280634E+07	7.549579E+07	4.527884E+07	2.494395E+07	5.959933E+07	6.960224E+07	5.545123E+07	9.179249E+07	7.049229E+07	2391680	-109.7
1991 9	4479163	7.098223	70.20688	0	37.3615	.1707316	220	6.289738E-03	2.904312E-02	.3447933	4.074573E+07	5.280141E+07	7.549532E+07	4.527856E+07	2.494237E+07	5.959584E+07	6.959644E+07	5.543234E+07	9.178479E+07	7.046737E+07	4479163	-109.7
1991 10	5100567	7.174677	74.23266	0	73.6009	.1687027	220	5.738345E-03	2.393416E-02	.4300332	4.073543E+07	5.279615E+07	7.549438E+07	4.527787E+07	2.494047E+07	5.958818E+07	6.959037E+07	5.541282E+07	9.177684E+07	7.044163E+07	5100567	-109.7
1991 11	1.823408E+07	6.414434	39.30492	0	10.76934	.1900284	220	.0138061	7.972295E-02	2.323466	4.072546E+07	5.279106E+07	7.549398E+07	4.527748E+07	2.493991E+07	5.958277E+07	6.958433E+07	5.539994E+07	9.176915E+07	7.041673E+07	1.823408E+07	-109.7
1992 0	2.204953E+07	6.522978	36.26617	0	9.200141	.1927691	220	1.541223E-02	9.105305E-02	3.100417	4.071516E+07	5.278835E+07	7.549338E+07	4.527693E+07	2.493733E+07	5.957704E+07	6.957858E+07	5.537444E+07	9.176123E+07	7.039914E+07	2.204953E+07	-109.7
1992 1	2.006071E+07	6.358665	37.41761	0	10.07696	.191663	220	1.477231E-02	8.626102E-02	2.835529	4.070492E+07	5.278037E+07	7.549237E+07	4.527642E+07	2.493391E+07	5.957144E+07	6.957258E+07	5.535303E+07	9.175329E+07	7.036544E+07	2.006071E+07	-109.7
1992 2	1.001844E+07	6.705418	30.23478	0	18.87147	.1813648	220	9.903393E-03	5.182432E-02	1.514995	4.069534E+07	5.277368E+07	7.549218E+07	4.527598E+07	2.493444E+07	5.956614E+07	6.956699E+07	5.533687E+07	9.174369E+07	7.034145E+07	1.001844E+07	-109.7
1992 3	21.90673	8.026185	154.7706	0	93.93634	.1476432	220	1.120635E-03	7.400177E-03	6.799798E-02	4.06851E+07	5.277045E+07	7.549158E+07	4.527547E+07	2.493278E+07	5.956051E+07	6.956099E+07	5.531747E+07	9.173798E+07	7.031388E+07	21.90673	-109.7
1992 4	44.57738	7.10284	70.37758	0	37.55783	.1706109	220	6.237117E-03	2.883242E-02	.5393041	4.067519E+07	5.276544E+07	7.549098E+07	4.527499E+07	2.493121E+07	5.955303E+07	6.955511E+07	5.529477E+07	9.173054E+07	7.029111E+07	44.57738	-109.7
1992 5	3868603	7.323430	85.1123	0	44.70839	.1647962	220	4.843951E-03	2.081833E-02	.3281924	4.066496E+07	5.276017E+07	7.549037E+07	4.527454E+07	2.492939E+07	5.954949E+07	6.954911E+07	5.527931E+07	9.172243E+07	7.026535E+07	3868603	-109.7
1992 6	3477321	7.394731	90.34004	0	48.12283	.1630007	220	4.467621E-03	1.877873E-02	.2803572	4.065306E+07	5.275512E+07	7.548977E+07	4.527403E+07	2.492803E+07	5.954397E+07	6.954353E+07	5.526036E+07	9.171478E+07	7.024001E+07	3477321	-109.7
1992 7	3329282	8.302989	232.3303	0	324.347	.137024	220	1.240223E-03	3.665313E-03	2.333917E-02	4.064488E+07	5.274899E+07	7.548916E+07	4.527354E+07	2.492641E+07	5.953836E+07	6.953733E+07	5.524118E+07	9.170686E+07	7.021526E+07	3329282	-109.7
1992 8	2391680	7.807693	128.4832	0	66.8851	.1527836	220	2.770973E-03	1.010212	.110994	4.063464E+07	5.274468E+07	7.548834E+07	4.527303E+07	2.492494E+07	5.953278E+07	6.953194E+07	5.522182E+07	9.169898E+07	7.018778E+07	2391680	-109.7
1992 9	4479163	7.096931	70.12366	0	37.59082	.1707689	220	6.300004E-03	2.910478E-02	.3464991	4.062472E+07	5.273963E+07	7.548795E+07	4.527254E+07	2.492325E+07	5.952735E+07	6.952336E+07	5.520904E+07	9.169135E+07	7.016302E+07	4479163	-109.7
1992 10	5100567	7.172011	74.73566	0	73.05863	.1687731	220	5.776313E-03	2.603633E-02	.4618082	4.061438E+07	5.273441E+07	7.548734E+07	4.527209E+07	2.492161E+07	5.952188E+07	6.951938E+07	5.518573E+07	9.168346E+07	7.013649E+07	5100567	-109.7
1992 11	1.823408E+07	6.415137	39.18097	0	10.70042	.1900497	220	.0138776	7.965533E-02	2.329351	4.060462E+07	5.272975E+07	7.548674E+07	4.527161E+07	2.492004E+07	5.951623E+07	6.951579E+07	5.516301E+07	9.167583E+07	7.011448E+07	1.823408E+07	-109.7
1993 0	2.204953E+07	6.522318	36.26379	0	9.141321	.1927781	220	1.542999E-02	9.114164E-02	3.103900	4.059441E+07	5.272416E+07	7.548613E+07	4.527112E+07	2.491843E+07	5.951063E+07	6.950783E+07	5.514367E+07	9.166795E+07	7.008893E+07	2.204953E+07	-109.7
1993 1	2.006071E+07	6.358994	37.39621	0	10.01517	.1910851	220	1.478378E-02	8.694641E-02	2.835943	4.058424E+07	5.271897E+07	7.548552E+07	4.527064E+07	2.491682E+07	5.950304E+07	6.950168E+07	5.512644E+07	9.166010E+07	7.005395E+07	2.006071E+07	-109.7
1993 2	9572974	6.704483	30.19479	0	18.73612	.1815913	220	9.916306E-03	5.189569E-02	1.517734	4.057306E+07	5.271438E+07	7.548498E+07	4.527024E+07	2.491537E+07	5.949999E+07	6.949963E+07	5.510902E+07	9.165330E+07	7.004097E+07	9572974	-109.7
1993 3	21.90673	8.026468	154.5723	0	93.3642	.14768	220	1.125818E-03	.0074166	6.822787E-02	4.056491E+07	5.270895E+07	7.548436E+07	4.526972E+07	2.491378E+07	5.949444E+07	6.949034E+07	5.508977E+07	9.164516E+07	7.001588E+07	21.90673	-109.7
1993 4	44.57738	7.101338	70.39944	0	37.34122	.1706457	220	6.266543E-03	2.890784E-02	.3408815	4.055307E+07	5.270407E+07	7.548378E+07	4.526932E+07	2.491223E+07	5.948899E+07	6.948478E+07	5.507114E+07	9.163757E+07	7.009991E+07	44.57738	-109.7
1993 5	3868603	7.323024	85.01938	0	44.45146	.1648293	220	4.851122E-03	2.085783E-02	.3291338	4.054492E+07	5.269889E+07	7.548317E+07	4.526876E+07	2.491063E+07	5.948343E+07	6.947884E+07	5.505191E+07	9.162974E+07	7.009566E+07	3868603	-109.7
1993 6	3477321	7.392978	90.24039	0	47.84722	.1620397	220	4.474305E-03	1.881457E-02	.2813455	4.053309E+07	5.269386E+07	7.548259E+07	4.526829E+07	2.490904E+07	5.947801E+07	6.947331E+07	5.503332E+07	9.162212E+07	7.009112E+07	3477321	-109.7
1993 7	3329282	8.309621	231.6623	0	322.4939	.1370963	220	1.243076E-03	3.682300E-03	2.331691E-02	4.052494E+07	5.268878E+07	7.548198E+07	4.526781E+07	2.490744E+07	5.947244E+07	6.946711E+07	5.501408E+07	9.161432E+07	7.009170E+07	3329282	-109.7
1993 8	2391680	7.809462	128.3464	0	66.30382	.1528136	220	2.774380E-03	1.023003E-02	.1113078	4.051482E+07	5.268332E+07	7.548137E+07	4.526733E+07	2.490583E+07	5.946683E+07	6.946121E+07	5.509486E+07	9.160648E+07	7.009324E+07	2391680	-109.7
1993 9	4479163	7.093651	70.04723	0	37.11919	.1708051	220	6.309331E-03	2.913972E-02	.34807	4.050498E+07	5.267831E+07	7.548078E+07	4.526686E+07	2.490426E+07	5.946146E+07	6.945547E+07	5.507627E+07	9.159891E+07	7.008591E+07	4479163	-109.7
1993 10	5100567	7.16936	74.59972	0	72.36151	.1688379	220	5.792701E-02	2.613681E-02	.4640357	4.049484E+07	5.267333E+07	7.548016E+07	4.526637E+07	2.490268E+07	5.945358E+07	6.944954E+07	5.505706E+07	9.159104E+07	7.008405E+07	5100567	-109.7
1993 11	1.823408E+07	6.413058	39.13899	0	10.63698	.1900693	220	1.348817E-02	7.973922E-02	2.532373	4.048404E+07	5.266832E+07	7.547958E+07	4.526593E+07	2.490113E+07	5.945305E+07	6.944378E+07	5.503894E+07	9.158351E+07	7.008106E+07	1.823408E+07	-109.7
1994 0	2.204953E+07	6.521712	36.22708	0	9.087315	.1928074	220	1.543448E-02	9.122306E-02	3.109233	4.047498E+07	5.266331E+07	7.547894E+07	4.526542E+07	2.489952E+07	5.944492E+07	6.943786E+07	5.502198E+07	9.157569E+07	7.007807E+07	2.204953E+07	-109.7
1994 1	2.006071E+07	6.358377	37.37639	0	9.948339	.1917036	220	1.479431E-02	8.642484E-02	2.853788	4.046481E+07	5.265838E+07	7.547837E+07	4.526494E+07	2.489772E+07	5.943937E+07	6.943519E+07	5.500018E+07	9.156779E+07			

1996 6. 2.121915E+08 1.188362E+15 7.103516E+15 4.322202E+15 4.404977E+15 3.660407E+15 2.719443E+15 3.396736E+12
1996 7. 2.224413E+08 4.853522E+12 2.784488E+15 5.370192E+12 4.457048E+15 5.67117E+11 5.019762E+13 1.384108E+09
1996 8. 2.347465E+08 9.369554E+12 2.787837E+15 1.231017E+13 4.473006E+15 3.390063E+11 4.853297E+13 3.978362E+09
1996 9. 2.481781E+08 1.907064E+15 2.729944E+15 1.021247E+13 4.492904E+15 1.088774E+12 5.945497E+12 3.737449E+09
1996 10. 2.639921E+08 3.624631E+13 2.803136E+15 3.153974E+13 4.519763E+15 1.493213E+12 6.828324E+13 1.328717E+10
1996 11. 2.867229E+08 6.500394E+13 2.790142E+15 1.183986E+13 4.481129E+15 1.938069E+12 7.750978E+12 3.288932E+10
1997 0. 2.867229E+08 1.100933E+14 2.351414E+15 7.326412E+13 4.078667E+15 2.251272E+12 6.815375E+13 2.608036E+10
1997 1. 2.867229E+08 1.781094E+14 2.391673E+15 1.035051E+14 3.779478E+15 2.633902E+12 1.024403E+14 6.369686E+10
1997 2. 2.867229E+08 2.763016E+14 2.357359E+15 1.513702E+14 3.635901E+15 1.328999E+12 1.293007E+14 9.994604E+10
1997 3. 2.867229E+08 4.134117E+14 2.394804E+15 2.170194E+14 3.61798E+15 3.821841E+12 1.096773E+14 1.479515E+11
1997 4. 2.867229E+08 6.049083E+14 2.467234E+15 3.053604E+14 3.592648E+15 4.630495E+12 2.34354E+14 1.128633E+11
1997 5. 2.867229E+08 8.160408E+14 2.593105E+15 4.229732E+14 3.60367E+15 5.68324E+12 2.973877E+14 2.943359E+11
1997 6. 2.867229E+08 1.189932E+15 2.788263E+15 5.749943E+14 3.660378E+15 6.04412E+12 5.931069E+14 4.090804E+11
1997 7. 2.867229E+08 5.517135E+12 2.155797E+15 4.304212E+12 3.349621E+15 5.551785E+12 6.387728E+15 6.926204E+08
1997 8. 2.867229E+08 1.010714E+13 2.030993E+15 8.464341E+12 3.433107E+15 6.630113E+11 4.619217E+13 1.327387E+09
1997 9. 2.867229E+08 1.943887E+15 1.965766E+15 1.183204E+15 3.293639E+15 9.24734E+11 6.408882E+13 1.807307E+09
1997 10. 2.867229E+08 3.647768E+13 1.879612E+13 1.51068E+13 1.162711E+13 1.179242E+12 6.389128E+13 2.392399E+09
1997 11. 2.867229E+08 6.500566E+13 1.737734E+15 1.737548E+15 2.933336E+15 1.335972E+12 6.196454E+13 2.73437E+09
1998 0. 2.867229E+08 1.011263E+14 1.599008E+15 1.910499E+15 2.711796E+15 1.496357E+15 8.97063E+13 5.052020E+09
1998 1. 2.867229E+08 1.781632E+14 1.487836E+15 2.533134E+15 1.623597E+15 1.686802E+13 5.517607E+13
1998 2. 2.867229E+08 2.76865E+14 1.429138E+15 2.238574E+15 2.441187E+15 1.742012E+12 3.60592E+13 5.36264E+09
1998 3. 2.867229E+08 4.134813E+14 1.392022E+15 2.460998E+15 2.387392E+15 1.917878E+12 3.633755E+13 5.919322E+09
1998 4. 2.867229E+08 6.049837E+14 1.351899E+15 2.643663E+15 3.277681E+15 2.068086E+12 5.66683E+13 1.421331E+09
1998 5. 2.867229E+08 8.58221E+14 1.313939E+15 2.836407E+15 2.271594E+15 2.209070E+12 5.09362E+13 4.521004E+09
1998 6. 2.867229E+08 1.190072E+15 1.280670E+15 5.000705E+15 2.222304E+15 2.124154E+12 5.713034E+12 4.793912E+07
1998 7. 2.867229E+08 3.53183E+12 1.207564E+15 4.504212E+12 3.170406E+15 3.573802E+11 6.387728E+15 6.968812E+09
1998 8. 2.867229E+08 9.929198E+12 1.19652E+15 8.464541E+12 2.089672E+15 6.651257E+11 6.419217E+13 1.307111E+09
1998 9. 2.867229E+08 1.918831E+13 1.111433E+15 1.182304E+15 2.015814E+15 9.267611E+11 6.408083E+13 1.870492E+09
1998 10. 2.867229E+08 3.63146E+13 1.062722E+15 1.51068E+15 1.940701E+15 1.18111E+12 6.389128E+13 2.39344E+09
1998 11. 2.867229E+08 6.483491E+13 9.8263E+14 1.793782E+15 1.537703E+15 1.537703E+12 6.196454E+13 2.73191E+09
1999 0. 2.867229E+08 1.099871E+14 9.043832E+14 1.914939E+15 1.672360E+15 1.498222E+12 8.870763E+13 5.02793E+09
1999 1. 2.867229E+08 1.780342E+14 8.415872E+14 2.083971E+15 1.565778E+15 1.62713E+12 5.668021E+13 3.20016E+09
1999 2. 2.867229E+08 2.767411E+14 8.094369E+14 2.238374E+15 1.526399E+15 1.743674E+12 5.60397E+13 3.364934E+09
1999 3. 2.867229E+08 4.136031E+14 8.744444E+14 2.460998E+15 1.488137E+15 1.918702E+12 5.633755E+13 3.921576E+09
1999 4. 2.867229E+08 6.048658E+14 1.674474E+14 2.643663E+15 1.449336E+15 2.063199E+12 5.668021E+13 4.217305E+09
1999 5. 2.867229E+08 8.581074E+14 7.432831E+14 2.836407E+15 2.210463E+15 2.098362E+13 5.521334E+09
1999 6. 2.867229E+08 1.189926E+15 7.344555E+14 3.006704E+15 1.390436E+15 2.342774E+12 3.713034E+13 4.79399E+09
1999 7. 2.867229E+08 5.140639E+12 6.780848E+14 4.304212E+12 1.337817E+15 3.599073E+12 6.387728E+15 7.09393E+09
1999 8. 2.867229E+08 9.743593E+12 6.594371E+14 8.464541E+12 1.318147E+15 6.65324E+11 6.419217E+13 1.32484E+09
1999 9. 2.867229E+08 1.911234E+13 6.171153E+14 1.182304E+15 1.376349E+15 9.290077E+11 6.408083E+13 1.877716E+09
1999 10. 2.867229E+08 3.614634E+13 5.90069E+14 1.51068E+15 1.233644E+15 1.183404E+12 6.389128E+13 2.40233E+09
1999 11. 2.867229E+08 6.469993E+13 5.437469E+14 1.737548E+15 1.133175E+15 1.337791E+12 6.196454E+13 2.763576E+09
2000 0. 2.867229E+08 1.099441E+14 5.024599E+14 1.919499E+15 1.071268E+15 1.500113E+12 5.870763E+13 3.05866E+09
2000 1. 2.867229E+08 1.779011E+14 4.676673E+14 2.083711E+15 1.007019E+15 1.628898E+12 5.668021E+13 3.32848E+09
2000 2. 2.867229E+08 2.766115E+14 4.486498E+14 2.343604E+15 9.743298E+14 1.751422E+12 6.05793E+13 3.71983E+09
2000 3. 2.867229E+08 4.132444E+14 4.370335E+14 2.463784E+15 9.588457E+14 1.924065E+12 5.65167E+13 3.934364E+09
2000 4. 2.867229E+08 6.04744E+14 4.344334E+14 2.63007E+15 9.401474E+14 2.067214E+12 5.64674E+13 4.229329E+09
2000 5. 2.867229E+08 8.579884E+14 4.123358E+14 2.84044E+15 1.230228E+15 2.215115E+12 5.68297E+13 4.53442E+09
2000 6. 2.867229E+08 1.18981E+15 4.02121E+14 3.01042E+15 9.081147E+14 2.347171E+12 5.710992E+14 4.806651E+09
2000 7. 2.867229E+08 4.93783E+12 3.592128E+14 4.304212E+12 8.918967E+14 3.62904E+11 6.387728E+15 7.22942E+08
2000 8. 2.867229E+08 9.530843E+12 3.449564E+14 8.464541E+12 7.092004E+14 6.704302E+11 6.419217E+13 1.33630E+09
2000 9. 2.867229E+08 1.891564E+13 3.306224E+14 1.183204E+15 8.477064E+14 9.318432E+14 6.408083E+13 1.893231E+09
2000 10. 2.867229E+08 3.398786E+13 3.163117E+14 1.51068E+15 8.23788E+14 1.180414E+12 6.389128E+13 2.419084E+09
2000 11. 2.867229E+08 6.43344E+13 2.92329E+14 1.737548E+15 7.735191E+14 1.360257E+12 6.196454E+13 2.779042E+09
2001 0. 2.867229E+08 1.096923E+14 2.694668E+14 1.919499E+15 7.237164E+14 1.502336E+12 5.870763E+13 3.072898E+09
2001 1. 2.867229E+08 1.777399E+14 5.903299E+14 2.083711E+15 6.82778E+14 1.630976E+12 5.68021E+13 3.38717E+09
2001 2. 2.867229E+08 2.764774E+14 2.41151E+14 2.238574E+15 6.639897E+14 1.749368E+12 5.60397E+13 3.56271E+09
2001 3. 2.867229E+08 4.131099E+14 2.381488E+14 2.460998E+15 6.363438E+14 1.922299E+12 5.633755E+13 3.99072E+09
2001 4. 2.867229E+08 6.046517E+14 2.28118E+14 2.643663E+15 4.63343E+14 2.063093E+12 5.668021E+13 4.234496E+09
2001 5. 2.867229E+08 8.578813E+14 2.217147E+14 2.836407E+15 6.376337E+14 2.213602E+12 5.690362E+13 4.339644E+09
2001 6. 2.867229E+08 1.18969E+15 2.16102E+14 3.006704E+15 6.299904E+14 2.343094E+12 3.713034E+13 4.81208E+09
2001 7. 2.867229E+08 4.712629E+12 1.796323E+14 4.504212E+12 6.252873E+14 3.66669E+11 6.387728E+15 7.74882E+08
2001 8. 2.867229E+08 9.334394E+12 1.732309E+14 8.464541E+12 6.12977E+14 4.740372E+11 6.419217E+13 1.40338E+09
2001 9. 2.867229E+08 1.871841E+13 1.653303E+14 1.183204E+15 6.0642E+14 5.335023E+11 5.870763E+13 3.05023E+09
2001 10. 2.867229E+08 3.578697E+13 1.380922E+14 1.51068E+15 5.78939E+14 1.189547E+12 6.389128E+13 2.64799E+09
2001 11. 2.867229E+08 6.43312E+13 1.464434E+14 1.737548E+15 5.548094E+14 1.36331E+12 6.196454E+13 2.821799E+09
2002 0. 2.867229E+08 1.093327E+14 1.33062E+14 1.919499E+15 5.216833E+14 1.303167E+12 5.870763E+13 3.11777E+09
2002 1. 2.867229E+08 1.776031E+14 1.296964E+14 2.083711E+15 4.937688E+14 1.633391E+12 5.668021E+13 3.74882E+09
2002 2. 2.867229E+08 2.76327E+14 1.10677E+14 2.38574E+15 4.843729E+14 1.751879E+12 5.60397E+13 3.617652E+09

2002 3 2.867229E+06 4.497373E+14 1.179241E+14 2.409996E+13 4.813902E+14 1.472746E+12 5.537555E+13 3.972903E+09
2002 4 2.867229E+06 4.044748E+14 1.145246E+14 2.643683E+13 4.766231E+14 2.068009E+12 5.666838E+13 4.267354E+09
2002 5 2.867229E+06 8.577266E+14 1.113131E+14 2.836467E+13 4.749433E+14 2.216156E+12 5.690562E+13 4.571502E+09
2002 6 2.867229E+06 1.089545E+15 1.064994E+14 5.066704E+13 4.68973E+14 2.344534E+12 5.139434E+13 4.843131E+09
2002 7 2.867229E+06 4.431934E+12 7.372703E+13 4.304212E+12 4.678698E+13 4.720642E+11 6.387723E+13 5.648058E+06
2002 8 2.867229E+06 9.065034E+12 7.272747E+13 4.464541E+12 4.637319E+14 6.792267E+12 4.492171E+13 1.368782E+09
2002 9 2.867229E+06 1.846006E+13 6.970559E+13 1.183304E+13 4.574579E+14 9.402761E+11 6.408838E+13 2.11742E+09
2002 10 2.867229E+06 5.532265E+13 6.663039E+13 5.15036E+13 4.306342E+14 1.190102E+12 6.369112E+13 2.631935E+09
2002 11 2.867229E+06 6.412286E+13 6.191765E+13 1.735748E+13 4.282779E+14 1.367709E+12 6.190641E+13 2.975792E+09
2003 0 2.867229E+06 1.093136E+13 5.730179E+13 1.919499E+13 4.033608E+14 1.309212E+12 5.870763E+13 3.23900E+09
2003 1 2.867229E+06 1.774077E+14 5.338608E+13 2.083711E+13 5.87363E+14 1.637333E+12 5.668021E+13 5.307104E+09
2003 2 2.867229E+06 2.761349E+14 5.138733E+13 2.238374E+13 5.804466E+14 1.735499E+12 5.605927E+13 3.744646E+09
2003 3 2.867229E+06 4.477444E+14 5.024773E+13 2.469996E+13 5.800323E+14 1.928266E+12 5.633755E+13 4.096602E+09
2003 4 2.867229E+06 6.042973E+14 4.879922E+13 2.643665E+13 5.783156E+14 2.071487E+12 5.666838E+13 4.387483E+09
2003 5 2.867229E+06 8.373541E+14 4.743234E+13 2.836407E+13 5.769433E+14 2.219436E+12 5.690562E+13 4.688341E+09
2003 6 2.867229E+06 1.189387E+14 4.632086E+13 3.006704E+13 5.768431E+14 2.351573E+12 5.713034E+13 4.937015E+09
2003 7 2.867229E+06 3.918093E+12 1.369748E+13 3.044212E+12 3.779433E+14 3.844627E+11 5.347723E+13 3.03490E+09
2003 8 2.867229E+06 5.872175E+12 1.560753E+13 8.464341E+12 3.773783E+14 6.911323E+11 6.419217E+13 3.576663E+09
2003 9 2.867229E+06 1.798768E+13 1.437273E+13 1.180204E+13 5.746726E+14 1.203074E+11 6.408838E+13 4.025311E+09
2003 10 2.867229E+06 3.907077E+13 1.974374E+13 5.151068E+13 5.714863E+14 1.961814E+12 6.389128E+13 5.135737E+09
2003 11 2.867229E+06 6.570355E+13 1.301129E+13 1.735748E+13 5.52274E+14 1.977794E+12 6.190641E+13 4.639791E+09
2004 0 2.867229E+06 1.085293E+14 1.230762E+13 1.919499E+13 5.390677E+14 1.510491E+12 5.870763E+13 4.403204E+09
2004 1 2.867229E+06 1.770304E+14 1.172999E+13 2.083711E+13 5.349382E+14 1.643983E+12 6.419217E+13 4.843834E+09
2004 2 2.867229E+06 2.757936E+14 1.137408E+13 2.343604E+13 3.201536E+14 1.767819E+12 5.607798E+13 5.133092E+09
2004 3 2.867229E+06 4.144366E+14 1.107914E+13 2.465374E+13 3.216532E+14 1.940035E+12 5.631617E+13 5.430305E+09
2004 4 2.867229E+06 6.039721E+14 1.076016E+13 2.850067E+13 3.218217E+14 2.062727E+12 5.644764E+13 5.760206E+09
2004 5 2.867229E+06 8.372341E+14 1.046132E+13 3.213093E+13 2.23019E+12 5.688278E+13 5.965654E+09
2004 6 2.867229E+06 1.189079E+15 1.019667E+13 3.010423E+13 3.218194E+14 2.361867E+12 5.710922E+13 6.201663E+09
2004 7 2.867229E+06 3.57326E+12 7933.749 2.376365E+13 3.257752E+14 4.022455E+11 6.347722E+13 2.33534E+10
2004 8 2.867229E+06 8.0484E+12 7.79549E+09 2.692336E+13 3.272799E+14 7.082093E+12 4.491271E+13 2.328229E+10
2004 9 2.867229E+06 1.748567E+13 7.471361E+09 9.230243E+13 2.366361E+14 9.68834E+11 6.408838E+13 2.290979E+10
2004 10 2.867229E+06 3.45906E+13 7.144111E+09 9.230243E+13 2.357741E+14 1.220665E+12 5.39128E+13 2.215274E+10
2004 11 2.867229E+06 6.326164E+13 5.148436E+13 1.259436E+13 3.127679E+14 1.392226E+12 6.190641E+13 2.13129E+10
2005 0 2.867229E+06 1.06321E+14 6.267616E+13 5.138126E+13 3.199229E+14 1.3311E+12 5.870763E+13 2.016103E+10
2005 1 2.867229E+06 1.765076E+14 6.638428E+13 4.323997E+13 2.883677E+14 1.658366E+12 5.668021E+13 1.9233E+10
2005 2 2.867229E+06 2.754314E+14 9.49288E+11 5.323735E+13 2.854292E+14 1.773673E+12 4.605927E+13 1.88307E+10
2005 3 2.867229E+06 4.140044E+14 9.246388E+11 5.713E+13 2.878124E+14 1.947924E+12 5.633755E+13 1.881048E+10
2005 4 2.867229E+06 6.036275E+14 8.979637E+11 3.061378E+13 2.884334E+14 2.090797E+12 5.666838E+13 1.857719E+10
2005 5 2.867229E+06 8.365032E+14 6.76733E+11 4.018191E+13 2.893833E+14 2.238041E+12 6.090562E+13 1.86779E+10
2005 6 2.867229E+06 1.187752E+15 5.33337E+11 4.158153E+13 2.906944E+14 2.369636E+12 6.171304E+13 1.84938E+10
2005 7 2.867229E+06 3.280895E+12 7933.749 4.38344E+13 2.937293E+14 4.03838E+11 6.347722E+13 3.43141E+10
2005 8 2.867229E+06 7.939708E+12 7.79549E+09 4.623296E+13 2.944271E+14 7.116592E+12 6.419217E+13 3.361576E+10
2005 9 2.867229E+06 1.740067E+15 7.471361E+09 4.801022E+13 2.990022E+14 9.71361E+11 6.408838E+13 3.281205E+10
2005 10 2.867229E+06 3.430968E+13 7.144111E+09 4.971927E+13 2.991323E+14 1.22382E+12 5.389128E+13 3.198097E+10
2005 11 2.867229E+06 6.918615E+13 1.484936E+11 4.933001E+13 2.88346E+14 1.393183E+12 6.190641E+13 3.010494E+10
2006 0 2.867229E+06 1.084322E+14 6.267616E+13 2.765362E+13 1.594488E+12 5.870763E+13 2.0218E+102 931349E+10
2006 1 2.867229E+06 1.766065E+14 6.638428E+11 4.823936E+13 2.677183E+14 1.660867E+12 5.680021E+13 2.672336E+10
2006 2 2.867229E+06 2.753695E+14 9.49288E+11 4.808331E+13 2.633377E+14 1.778077E+12 5.605927E+13 2.604303E+10
2006 3 2.867229E+06 4.140247E+14 9.24638E+11 5.022681E+13 2.86026E+14 1.930264E+12 5.633755E+13 2.381792E+10
2006 4 2.867229E+06 6.035692E+14 8.979637E+11 5.133E+13 2.694278E+14 1.092243E+12 5.666838E+13 2.348263E+10
2006 5 2.867229E+06 8.368466E+14 8.753332E+11 5.234411E+13 2.711114E+14 2.340222E+12 5.690562E+13 2.519141E+10
2006 6 2.867229E+06 1.188897E+15 5.33337E+11 5.363466E+13 2.726922E+14 2.371811E+12 5.713094E+13 2.494073E+10
2006 7 2.867229E+06 3.347468E+12 7933.749 5.346884E+13 2.783447E+14 4.071633E+11 6.347722E+13 3.933089E+10
2006 8 2.867229E+06 7.927604E+12 7.79549E+09 5.740335E+13 2.817309E+14 7.129338E+11 6.419217E+13 3.843053E+10
2006 9 2.867229E+06 1.736995E+14 1.771361E+09 5.879916E+13 2.830017E+14 9.72601E+11 6.408838E+13 3.744766E+10
2006 10 2.867229E+06 3.448002E+13 7.144111E+09 5.993816E+13 2.83833E+14 1.223021E+12 6.389128E+13 3.461336E+10
2006 11 2.867229E+06 6.313913E+13 5.148436E+13 1.259436E+13 3.742099E+14 1.396279E+12 6.190641E+13 3.62130E+10
2007 0 2.867229E+06 1.084272E+14 6.267616E+13 5.733763E+13 3.633233E+14 1.533497E+12 5.870763E+13 3.190246E+10
2007 1 2.867229E+06 1.76383E+14 6.838428E+11 5.639941E+13 2.586149E+14 1.661803E+12 5.680021E+13 3.023191E+10
2007 2 2.867229E+06 2.75347E+14 9.49288E+11 5.646334E+13 2.337138E+14 1.779977E+12 5.605927E+13 2.941294E+10
2007 3 2.867229E+06 4.140029E+14 9.246388E+11 5.780462E+13 2.369196E+14 1.951141E+12 5.633755E+13 2.930939E+10
2007 4 2.867229E+06 6.03548E+14 8.979637E+11 5.893436E+13 2.384312E+14 2.093705E+12 5.666838E+13 2.86883E+10
2007 5 2.867229E+06 8.368233E+14 8.753332E+11 5.60977E+13 2.604249E+14 2.24105E+12 5.690562E+13 2.82879E+10
2007 6 2.867229E+06 1.188677E+15 5.33337E+11 6.06029E+13 2.622749E+14 2.77561E+12 5.713034E+13 2.79347E+10
2007 7 2.867229E+06 3.231463E+12 7933.749 6.230051E+13 2.68286E+14 4.07839E+11 6.347722E+13 4.20224E+10
2007 8 2.867229E+06 7.912325E+12 7.79549E+09 6.389973E+13 2.720736E+14 7.133811E+11 6.419217E+13 4.015977E+10
2007 9 2.867229E+06 1.735317E+13 7.471361E+09 6.499491E+13 2.737438E+14 9.73203E+11 6.408838E+13 3.990666E+10
2007 10 2.867229E+06 3.446617E+13 7.144111E+09 6.588232E+13 2.738809E+14 1.233586E+12 6.389128E+13 3.87463E+10
2007 11 2.867229E+06 6.314633E+13 5.148436E+13 1.2548436E+13 3.660211E+14 1.39641E+12 6.190641E+13 3.874355E+10

2006 0 2.867229E+04 1.084132E+14 6.267614E+11 6.137373E+13 2.539972E+14 1.533986E+12 5.870763E+13 3.394201E+10 3.720495E+11 5.339077E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2006 1 2.867229E+04 1.763719E+14 8.634428E+11 6.102609E+13 2.446119E+14 1.66232E+12 5.668021E+13 3.209199E+10 3.309807E+11 4.978813E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2006 2 2.867229E+04 7.233367E+14 9.521356E+11 6.092853E+13 2.469931E+14 1.783429E+12 5.605793E+13 3.116803E+10 3.402809E+11 4.784974E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2006 3 2.867229E+04 4.199926E+14 9.273237E+11 6.121842E+13 2.503092E+14 1.93245E+12 5.635167E+13 3.080926E+10 3.362079E+11 4.672109E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2006 4 2.867229E+04 6.053353E+14 9.00821E+11 6.294785E+13 2.50091E+14 2.097494E+12 5.664764E+13 3.030370E+10 3.307366E+11 4.547814E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2006 5 2.867229E+04 8.368161E+14 8.7823E+11 6.342599E+13 2.514787E+14 2.244544E+12 5.682277E+13 3.093099E+10 3.257766E+11 4.547814E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2006 6 2.867229E+04 1.188657E+15 8.361E+11 6.463315E+13 2.561899E+14 2.373837E+12 5.710992E+13 3.259441E+10 3.214602E+11 4.547814E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2006 7 2.867229E+04 2.233034E+12 7933.749 6.060588E+13 2.430463E+14 4.081148E+11 6.387728E+13 3.434993E+10 4.637118E+11 4.323485E+08 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2006 8 2.867229E+04 7.90416E+12 7.79549E+09 6.760141E+13 2.664277E+14 7.159135E+11 6.419217E+13 4.243422E+10 4.576706E+11 6.973211E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2006 9 2.867229E+04 1.734743E+13 7.471361E+09 6.831152E+13 2.683325E+14 9.733216E+11 6.408658E+13 4.126398E+10 4.457638E+11 6.68468E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2006 10 2.867229E+04 3.445877E+13 7.144111E+09 6.990217E+13 2.698067E+14 1.223891E+12 6.389128E+13 4.006434E+10 4.157059E+11 6.192651E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2006 11 2.867229E+04 6.313945E+13 3.148436E+11 6.743374E+13 2.612385E+14 1.397093E+12 6.196641E+13 3.767962E+10 3.876886E+11 5.710206E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2006 12 2.867229E+04 1.084085E+14 6.267616E+11 6.328406E+13 2.513977E+14 1.536245E+12 5.870763E+13 3.306734E+10 3.635147E+11 5.323036E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2007 0 2.867229E+04 1.76366E+14 8.638428E+11 6.373157E+13 2.445186E+14 1.662302E+12 5.668021E+13 3.212023E+10 3.348792E+11 5.122873E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2007 1 2.867229E+04 2.73331E+14 9.492888E+11 6.336328E+13 2.430515E+14 1.779647E+12 5.668021E+13 3.218709E+10 3.302148E+11 4.13947E+14 9.246388E+11 6.47202E+13 2.463386E+14 1.951792E+12 5.635733E+13 3.180049E+10 3.446291E+11 4.867153E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2007 2 2.867229E+04 6.053326E+14 8.979387E+11 6.541035E+13 2.443499E+14 2.094339E+12 5.666808E+13 3.159274E+10 3.389034E+11 4.741129E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2007 3 2.867229E+04 8.368109E+14 8.753332E+11 6.322471E+13 2.503247E+14 2.241665E+12 5.690562E+13 3.058394E+10 3.342489E+11 4.630771E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2007 4 2.867229E+04 1.188636E+15 8.333357E+11 6.696866E+13 2.527244E+14 2.373117E+12 5.711504E+13 3.044773E+10 3.267729E+11 4.521841E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2007 5 2.867229E+04 3.21841E+13 7933.749 6.83439E+13 2.590642E+14 4.083772E+12 6.387728E+13 4.433732E+10 4.626766E+11 5.739026E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2007 6 2.867229E+04 7.896998E+12 7.79549E+09 6.978991E+13 2.63218E+14 7.140976E+11 6.419217E+13 4.230917E+10 4.685322E+11 7.240631E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2007 7 2.867229E+04 1.734315E+13 7.471361E+09 6.708892E+13 2.632302E+14 9.73940E+11 6.408658E+13 4.209746E+10 4.254122E+11 6.427498E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2007 8 2.867229E+04 3.445469E+13 7.144111E+09 7.12887E+13 2.668652E+14 1.228059E+12 6.389128E+13 4.0802E+10 4.56666E+11 6.93867E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2007 9 2.867229E+04 6.313658E+13 3.148436E+11 6.929099E+13 2.565195E+14 1.977249E+12 6.196641E+13 3.828804E+10 3.635147E+11 5.323036E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2007 10 2.867229E+04 1.084054E+14 6.267616E+11 6.69753E+13 2.460945E+14 1.678944E+12 5.870763E+13 3.317687E+10 3.74822E+11 5.32487E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2007 11 2.867229E+04 1.76362E+14 8.638428E+11 6.33032E+13 2.43191E+14 1.662302E+12 5.668021E+13 3.37033E+10 3.62819E+11 5.32487E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2007 12 2.867229E+04 2.73327E+14 9.492888E+11 6.32772E+13 2.460201E+14 1.77773E+12 5.690562E+13 3.27476E+10 3.379901E+11 5.189064E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2007 13 2.867229E+04 4.13904E+14 9.246388E+11 6.61905E+13 2.443617E+14 1.95191E+12 5.635733E+13 3.234644E+10 3.518167E+11 5.0497E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2007 14 2.867229E+04 6.05327E+14 8.979387E+11 6.63138E+13 2.462333E+14 2.094457E+12 5.668021E+13 3.152469E+10 3.462412E+11 4.91837E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2007 15 2.867229E+04 8.36808E+14 8.753332E+11 6.761235E+13 2.448469E+14 2.241783E+12 5.690562E+13 3.15357E+10 3.419398E+11 4.80966E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2007 16 2.867229E+04 1.18866E+15 8.333357E+11 6.761235E+13 2.507216E+14 2.373332E+12 5.711504E+13 3.054701E+10 3.267729E+11 4.521841E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2007 17 2.867229E+04 3.215797E+12 7933.749 6.963002E+13 2.571304E+14 4.084348E+11 6.387728E+13 4.48186E+10 3.302148E+11 4.13947E+14 9.246388E+11 6.47202E+13 2.463386E+14 1.951792E+12 5.635733E+13 3.180049E+10 3.446291E+11 4.867153E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2007 18 2.867229E+04 7.89719E+12 7.79549E+09 7.102342E+13 2.613609E+14 7.142091E+11 6.419217E+13 4.36949E+10 3.267729E+11 4.521841E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2007 19 2.867229E+04 1.734071E+13 7.471361E+09 7.179135E+13 2.613609E+14 7.142091E+11 6.419217E+13 4.36949E+10 3.267729E+11 4.521841E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2007 20 2.867229E+04 3.445298E+13 7.144111E+09 7.035262E+13 2.631633E+14 1.226155E+12 5.699128E+13 4.122333E+10 3.267729E+11 4.521841E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2007 21 2.867229E+04 6.313335E+13 3.148436E+11 7.294562E+13 2.599463E+14 1.977373E+12 6.196641E+13 3.864482E+10 3.635147E+11 5.323036E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2007 22 2.867229E+04 1.084045E+14 6.267616E+11 6.793104E+13 2.476441E+14 1.66271E+12 5.68021E+13 3.6073E+10 4.637118E+11 4.323485E+08 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2007 23 2.867229E+04 1.76361E+14 8.638428E+11 6.421345E+13 2.440451E+14 1.66271E+12 5.68021E+13 3.6073E+10 4.637118E+11 4.323485E+08 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2007 24 2.867229E+04 2.733261E+14 9.492888E+11 6.594617E+13 2.395269E+14 1.779944E+12 5.690562E+13 3.306734E+10 3.635147E+11 5.323036E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2007 25 2.867229E+04 4.13942E+14 9.246388E+11 6.70412E+13 2.431021E+14 1.95198E+12 5.635733E+13 3.26362E+10 3.518167E+11 5.0497E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2007 26 2.867229E+04 6.05328E+14 8.979387E+11 6.69753E+13 2.439012E+14 2.094526E+12 5.668021E+13 3.21258E+10 3.4184E+11 5.02137E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2007 27 2.867229E+04 8.368064E+14 8.753332E+11 6.84134E+13 2.473808E+14 2.24183E+12 5.690562E+13 3.16481E+10 3.4184E+11 5.02137E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2007 28 2.867229E+04 1.188658E+15 8.333357E+11 6.9104E+13 2.493627E+14 2.373397E+12 5.713504E+13 3.12391E+10 3.635147E+11 5.323036E+13 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2007 29 2.867229E+04 3.214309E+12 7933.749 7.040375E+13 2.580114E+14 4.08347E+11 6.387728E+13 4.309123E+10 4.637118E+11 4.323485E+08 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2007 30 2.867229E+04 7.895762E+12 7.79549E+09 7.174913E+13 2.602864E+14 7.142607E+11 6.419217E+13 4.396239E+10 4.637118E+11 4.323485E+08 4.025373E+07 5.253025E+08 7.346574E+07 4.323485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

4.018574E+11 1.364262E+13 4.023375E+07 5.235025E+06
4.666754E+11 7.271395E+13 4.023375E+07 5.235025E+06
4.507576E+11 1.731848E+13 4.023375E+07 5.235025E+06
4.073381E+11 6.181952E+13 4.023375E+07 5.235025E+06
3.873953E+11 5.769516E+13 4.023375E+07 5.235025E+06
3.724571E+11 5.550839E+13 4.023375E+07 5.235025E+06
3.673204E+11 5.417951E+13 4.023375E+07 5.235025E+06
3.606785E+11 5.271978E+13 4.023375E+07 5.235025E+06
3.530462E+11 5.134605E+13 4.023375E+07 5.235025E+06
3.499629E+11 5.101422E+13 4.023375E+07 5.235025E+06
3.470746E+11 5.064041E+13 4.023375E+07 5.235025E+06
3.441799E+11 5.051628E+13 4.023375E+07 5.235025E+06
4.023332E+11 5.785196E+13 4.023375E+07 5.235025E+06
3.457379E+11 5.264839E+13 4.023375E+07 5.235025E+06
3.376044E+11 6.728297E+13 4.023375E+07 5.235025E+06
3.300228E+11 6.209398E+13 4.023375E+07 5.235025E+06 7.54657
3.483509E+11 5.782950E+13 4.023375E+07 5.235025E+06
3.729573E+11 5.363097E+13 4.023375E+07 5.235025E+06
3.678271E+11 5.540457E+13 4.023375E+07 5.235025E+06
3.615701E+11 5.284113E+13 4.023375E+07 5.235025E+06
3.555264E+11 5.146405E+13 4.023375E+07 5.235025E+06
3.50498E+11 5.023751E+13 4.023375E+07 5.235025E+06
3.451196E+11 4.821537E+13 4.023375E+07 5.235025E+06
4.97612E+11 7.905836E+13 4.023375E+07 5.235025E+06
4.026757E+11 7.592211E+13 4.023375E+07 5.235025E+06
4.679541E+11 7.274639E+13 4.023375E+07 5.235025E+06
3.60466E+11 6.73798E+13 4.023375E+07 5.235025E+06
4.082571E+11 6.211922E+13 4.023375E+07 5.235025E+06
4.052571E+11 5.790652E+13 4.023375E+07 5.235025E+06
3.72468E+11 5.563626E+13 4.023375E+07 5.235025E+06
3.677472E+11 5.403598E+13 4.023375E+07 5.235025E+06
3.611011E+11 5.284436E+13 4.023375E+07 5.235025E+06
3.53467E+11 5.146895E+13 4.023375E+07 5.235025E+06
3.503974E+11 5.02836E+13 4.023375E+07 5.235025E+06
3.471576E+11 4.821947E+13 4.023375E+07 5.235025E+06 7.5
4.0282E+11 7.950118E+13 4.023375E+07 5.235025E+06 7.54657
4.01525E+11 7.396250E+13 4.023375E+07 5.235025E+06
4.06111E+11 7.275149E+13 4.023375E+07 5.235025E+06
4.38210E+11 6.744599E+13 4.023375E+07 5.235025E+06
4.089319E+11 6.212345E+13 4.023375E+07 5.235025E+06
3.947751E+11 5.795748E+13 4.023375E+07 5.235025E+06
3.73782E+11 5.574113E+13 4.023375E+07 5.235025E+06
3.682371E+11 5.44608E+13 4.023375E+07 5.235025E+06
3.617685E+11 5.293968E+13 4.023375E+07 5.235025E+06
3.55134E+11 5.156E+13 4.023375E+07 5.235025E+06 7.5
3.50062E+11 5.05304E+13 4.023375E+07 5.235025E+06
3.45104E+11 4.822454E+13 4.023375E+07 5.235025E+06 7.5
4.97961E+11 7.914807E+13 4.023375E+07 5.235025E+06
4.833025E+11 7.600803E+13 4.023375E+07 5.235025E+06
4.682744E+11 7.28246E+13 4.023375E+07 5.235025E+06
4.36670E+11 6.745317E+13 4.023375E+07 5.235025E+06
4.08529E+11 6.218065E+13 4.023375E+07 5.235025E+06
3.949037E+11 5.79695E+13 4.023375E+07 5.235025E+06
3.751071E+11 5.577169E+13 4.023375E+07 5.235025E+06
3.686337E+11 5.445357E+13 4.023375E+07 5.235025E+06
3.61818E+11 5.296778E+13 4.023375E+07 5.235025E+06
3.560269E+11 5.159811E+13 4.023375E+07 5.235025E+06
3.509648E+11 5.079226E+13 4.023375E+07 5.235025E+06
3.4605E+11 4.877817E+13 4.023375E+07 5.235025E+06 7.54
4.96064E+11 7.917044E+13 4.023375E+07 5.235025E+06
4.834007E+11 7.602895E+13 4.023375E+07 5.235025E+06
4.683687E+11 7.288492E+13 4.023375E+07 5.235025E+06
4.60494E+11 6.747466E+13 4.023375E+07 5.235025E+06
4.488044E+11 6.220651E+13 4.023375E+07 5.235025E+06
3.84977E+11 5.79877E+13 4.023375E+07 5.235025E+06
3.73573E+11 5.57996E+13 4.023375E+07 5.235025E+06
3.684546E+11 5.44529E+13 4.023375E+07 5.235025E+06
3.61936E+11 5.299545E+13 4.023375E+07 5.235025E+06
3.56026E+11 5.16043E+13 4.023375E+07 5.235025E+06
3.50964E+11 5.079226E+13 4.023375E+07 5.235025E+06

[illegible]

2019 6 2.867229E+08 1.188636E+15 8.533557E+11 7.016166E+13 2.479906E+14 2.973483E+13 5.713034E+13 5.161739E+10
2019 7 2.867229E+08 3.212323E+12 7933.749 7.140269E+13 2.544887E+14 4.086299E+11 6.387778E+13 4.546065E+10
2019 8 2.867229E+08 7.893836E+12 7.79349E+09 7.72796E+13 2.588194E+14 1.93397E+11 6.491917E+13 4.31708E+10
2019 9 2.867229E+08 1.733735E+13 7.471361E+09 7.72796E+13 2.588194E+14 1.93397E+11 6.491917E+13 4.31708E+10
2019 10 2.867229E+08 3.444935E+13 7.144111E+09 7.400206E+13 2.628341E+14 1.226282E+12 6.389128E+13 4.179998E+10
2019 11 2.867229E+08 6.513071E+13 5.148436E+11 7.179919E+14 1.397454E+14 1.199641E+13 5.917473E+10
2020 0 2.867229E+08 1.084009E+14 6.267616E+11 6.929896E+13 2.436673E+14 1.336577E+12 5.870763E+13 5.633517E+10
2020 1 2.867229E+08 1.763386E+14 6.63842E+11 6.744969E+13 2.399023E+14 1.662811E+12 5.668032E+13 5.448368E+10
2020 2 2.867229E+08 2.753238E+14 9.522136E+11 6.712362E+13 2.377144E+14 1.783936E+12 5.605793E+13 5.346475E+10
2020 3 2.867229E+08 4.139401E+14 9.273257E+11 6.818662E+13 2.413317E+14 1.935754E+12 5.631617E+13 5.304335E+10
2020 4 2.867229E+08 6.035239E+14 9.00821E+11 6.877639E+13 2.43329E+14 2.097993E+12 5.664764E+13 5.230263E+10
2020 5 2.867229E+08 8.36044E+14 8.7832E+11 6.949302E+13 2.477041E+14 2.243028E+12 5.682978E+13 5.201736E+10
2020 6 2.867229E+08 1.188636E+15 8.533557E+11 7.016166E+13 2.479906E+14 2.973483E+13 5.713034E+13 5.161739E+10
2020 7 2.867229E+08 3.212323E+12 7933.749 7.140269E+13 2.544887E+14 4.086299E+11 6.387778E+13 4.546065E+10
2020 8 2.867229E+08 7.893836E+12 7.79349E+09 7.72796E+13 2.588194E+14 1.93397E+11 6.491917E+13 4.31708E+10
2020 9 2.867229E+08 1.733735E+13 7.471361E+09 7.72796E+13 2.588194E+14 1.93397E+11 6.491917E+13 4.31708E+10
2020 10 2.867229E+08 3.444935E+13 7.144111E+09 7.399432E+13 2.627877E+14 1.226282E+12 6.389128E+13 4.179756E+10
2020 11 2.867229E+08 6.513071E+13 5.148436E+11 7.179909E+13 2.547301E+14 1.397454E+12 5.639641E+13 5.916969E+10
2021 0 2.867229E+08 1.084009E+14 6.267616E+11 6.929896E+13 2.436673E+14 1.336577E+12 5.870763E+13 5.633517E+10
2021 1 2.867229E+08 1.763386E+14 6.63842E+11 6.744357E+13 2.389657E+14 1.662811E+12 5.668032E+13 5.448368E+10
2021 2 2.867229E+08 2.753238E+14 9.492888E+11 6.712845E+13 2.377217E+14 1.779944E+12 5.605922E+13 5.349646E+10
2021 3 2.867229E+08 4.139401E+14 9.246368E+11 6.819287E+13 2.413437E+14 1.932081E+12 5.635755E+13 5.307538E+10
2021 4 2.867229E+08 6.035239E+14 8.979877E+11 6.878315E+13 2.433043E+14 2.094617E+12 5.668032E+13 5.235315E+10
2021 5 2.867229E+08 8.36044E+14 8.753333E+11 6.930628E+13 2.457211E+14 2.241998E+12 5.690362E+13 5.204228E+10
2021 6 2.867229E+08 1.188636E+15 8.533557E+11 7.016354E+13 2.479434E+14 2.273483E+12 5.713034E+13 5.163187E+10
2021 7 2.867229E+08 3.212323E+12 7933.749 7.142818E+13 2.544494E+14 4.086299E+11 6.387778E+13 4.546123E+10
2021 8 2.867229E+08 7.893836E+12 7.79349E+09 7.387864E+14 1.714339E+13 6.419217E+13 4.531424E+10
2021 9 2.867229E+08 1.733735E+13 7.471361E+09 7.342811E+13 2.610087E+14 9.739302E+11 6.408083E+13 4.307171E+10
2021 10 2.867229E+08 3.444935E+13 7.144111E+09 7.400365E+13 2.628099E+14 1.226282E+12 6.389128E+13 4.179929E+10
2021 11 2.867229E+08 6.513072E+13 5.148436E+11 7.179962E+13 2.547634E+14 1.397454E+12 5.639641E+13 5.917296E+10
2022 0 2.867229E+08 1.084009E+14 6.267616E+11 6.929333E+13 2.436416E+14 1.336577E+12 5.870763E+13 5.633678E+10
2022 1 2.867229E+08 1.763386E+14 6.63842E+11 6.733096E+13 2.389796E+14 1.662811E+12 5.668032E+13 5.448368E+10
2022 2 2.867229E+08 2.753238E+14 9.492888E+11 6.713363E+13 2.377342E+14 1.779944E+12 5.605922E+13 5.349902E+10
2022 3 2.867229E+08 4.139401E+14 9.246368E+11 6.813559E+13 2.413559E+14 1.932081E+12 5.635755E+13 5.307832E+10
2022 4 2.867229E+08 6.035239E+14 8.979877E+11 6.878888E+13 2.433162E+14 2.094617E+12 5.668032E+13 5.233376E+10
2022 5 2.867229E+08 8.36044E+14 8.753333E+11 6.930919E+13 2.457392E+14 2.241998E+12 5.690362E+13 5.204463E+10
2022 6 2.867229E+08 1.188636E+15 8.533557E+11 7.01699E+13 2.479962E+14 2.273483E+12 5.713034E+13 5.163037E+10
2022 7 2.867229E+08 3.212323E+12 7933.749 7.143494E+13 2.544606E+14 4.086399E+11 6.387778E+13 4.546394E+10
2022 8 2.867229E+08 7.893842E+12 7.79349E+09 7.273747E+13 2.387968E+14 1.714340E+13 6.419217E+13 4.532038E+10
2022 9 2.867229E+08 1.733734E+13 7.471361E+09 7.343411E+13 2.610187E+14 9.739306E+11 6.408083E+13 4.307373E+10
2022 10 2.867229E+08 3.444935E+13 7.144111E+09 7.400906E+13 2.628183E+14 1.226282E+12 6.389128E+13 4.179286E+10
2022 11 2.867229E+08 6.513071E+13 5.148436E+11 7.180461E+13 2.547742E+14 1.397454E+12 5.639641E+13 5.917473E+10
2023 0 2.867229E+08 1.084009E+14 6.267616E+11 6.928691E+13 2.436496E+14 1.336577E+12 5.870763E+13 5.635732E+10
2023 1 2.867229E+08 1.763386E+14 6.63842E+11 6.743322E+13 2.389692E+14 1.662811E+12 5.668032E+13 5.448767E+10
2023 2 2.867229E+08 2.753238E+14 9.492888E+11 6.713974E+13 2.377414E+14 1.779944E+12 5.605922E+13 5.350048E+10
2023 3 2.867229E+08 4.139401E+14 9.246368E+11 6.820378E+13 2.413529E+14 1.932082E+12 5.635755E+13 5.307977E+10
2023 4 2.867229E+08 6.035239E+14 8.979877E+11 6.879737E+13 2.43323E+14 2.094617E+12 5.668032E+13 5.235314E+10
2023 5 2.867229E+08 8.36044E+14 8.753333E+11 6.951392E+13 2.457382E+14 2.241998E+12 5.690362E+13 5.204398E+10
2023 6 2.867229E+08 1.188636E+15 8.533557E+11 7.017337E+13 2.479627E+14 2.273484E+12 5.713034E+13 5.163168E+10
2023 7 2.867229E+08 3.212323E+12 7933.749 7.143815E+13 2.544665E+14 4.086302E+11 6.387778E+13 4.546476E+10
2023 8 2.867229E+08 7.893835E+12 7.79349E+09 7.274088E+13 2.388028E+14 1.714340E+13 6.419217E+13 4.53218E+10
2023 9 2.867229E+08 1.733735E+13 7.471361E+09 7.343742E+13 2.610245E+14 9.739309E+11 6.408083E+13 4.307491E+10
2023 10 2.867229E+08 3.444935E+13 7.144111E+09 7.401219E+13 2.62819E+14 1.226282E+12 6.389128E+13 4.179998E+10
2023 11 2.867229E+08 6.513071E+13 5.148436E+11 7.180751E+13 2.547793E+14 1.397454E+12 5.639641E+13 5.917379E+10
2024 0 2.867229E+08 1.084009E+14 6.267616E+11 6.928957E+13 2.436444E+14 1.336577E+12 5.870763E+13 5.633827E+10
2024 1 2.867229E+08 1.763386E+14 6.63842E+11 6.743777E+13 2.389990E+14 1.662811E+12 5.668032E+13 5.448578E+10
2024 2 2.867229E+08 2.753238E+14 9.522136E+11 6.713138E+13 2.377037E+14 1.783936E+12 5.605793E+13 5.346752E+10
2024 3 2.867229E+08 4.139401E+14 9.273257E+11 6.819411E+13 2.413250E+14 1.935754E+12 5.631617E+13 5.304825E+10
2024 4 2.867229E+08 6.035239E+14 9.00821E+11 6.878369E+13 2.432792E+14 2.097993E+12 5.664764E+13 5.230523E+10
2024 5 2.867229E+08 8.36044E+14 8.7832E+11 6.930288E+13 2.430298E+14 2.243028E+12 5.682978E+13 5.201736E+10
2024 6 2.867229E+08 1.188636E+15 8.5361E+11 7.016218E+13 2.479153E+14 2.27635E+12 5.710992E+13 5.139432E+10
2024 7 2.867229E+08 3.212323E+12 7933.749 7.142483E+13 2.544307E+14 4.086291E+11 6.387778E+13 4.54396E+10
2024 8 2.867229E+08 7.893862E+12 7.79349E+09 7.272777E+13 2.387968E+14 1.714339E+13 6.419217E+13 4.531468E+10
2024 9 2.867229E+08 1.733735E+13 7.471361E+09 7.343467E+13 2.609624E+14 9.73995E+11 6.408083E+13 4.307039E+10
2024 10 2.867229E+08 3.444935E+13 7.144111E+09 7.400017E+13 2.627877E+14 1.226282E+12 6.389128E+13 4.179077E+10
2024 11 2.867229E+08 6.513073E+13 5.148436E+11 7.179645E+13 2.547421E+14 1.397454E+12 5.639641E+13 5.917561E+10
2025 0 2.867229E+08 1.084009E+14 6.267616E+11 6.929393E+13 2.436202E+14 1.336577E+12 5.870763E+13 5.635468E+10
2025 1 2.867229E+08 1.763386E+14 6.63842E+13 6.74482E+13 2.389577E+14 1.662811E+12 5.668032E+13 5.44851E+10
2025 2 2.867229E+08 2.753238E+14 9.492888E+11 6.713299E+13 2.37731E+14 1.779944E+12 5.605922E+13 5.349806E+10

2023 5 2.867229E+04 4.1394E+14 9.246348E+11 6.819772E+15 2.413372E+14 1.952004E+12 5.638755E+13 5.307741E+10
2023 4 2.867229E+04 6.033239E+14 8.979437E+11 6.877875E+15 2.432908E+14 2.094617E+12 5.668458E+13 5.233243E+10
2023 5 2.867229E+04 8.369042E+14 8.733332E+11 6.906715E+15 2.43713E+14 2.241998E+12 5.690362E+13 5.204376E+10
2023 6 2.867229E+04 1.188636E+15 8.533337E+11 7.070571E+15 2.479919E+14 2.373482E+12 5.713034E+13 5.161931E+10
2023 7 2.867229E+04 5.212313E+12 7933.749 7.143305E+13 2.544443E+14 4.086298E+11 6.387725E+13 5.466273E+10
2023 8 2.867229E+04 8.793846E+12 7.795499E+09 7.473327E+13 2.367809E+14 7.143402E+11 6.419217E+13 4.431971E+10
2023 9 2.867229E+04 1.733734E+13 1.471361E+09 7.343303E+13 2.610034E+14 9.793030E+11 6.408643E+13 4.307290E+10
2023 10 2.867229E+04 3.444932E+13 7.144111E+09 7.400703E+13 2.627969E+14 1.326282E+12 6.389128E+13 4.179214E+10
2023 11 2.867229E+04 6.313071E+13 3.148436E+11 7.180279E+13 2.547777E+14 1.397434E+12 6.139641E+13 3.917344E+10
2026 0 2.867229E+04 1.084009E+14 6.267616E+11 6.928322E+13 2.436374E+14 1.336377E+12 5.870763E+13 5.635671E+10
2026 1 2.867229E+04 1.765386E+14 8.638428E+11 6.745364E+13 2.389746E+14 1.662811E+13 5.680211E+13 5.448711E+10
2026 2 2.867229E+04 2.733234E+14 9.492888E+11 6.713821E+13 2.377303E+14 1.779944E+12 5.60392E+13 5.349994E+10
2026 3 2.867229E+04 4.1394E+14 9.246348E+11 6.82023E+13 2.41331E+14 1.952004E+12 5.635733E+13 5.307794E+10
2026 4 2.867229E+04 6.033239E+14 8.979437E+11 6.879327E+13 2.43312E+14 2.094617E+12 5.668358E+13 5.233472E+10
2026 5 2.867229E+04 8.369042E+14 8.733332E+11 6.91151E+13 2.43727E+14 2.241998E+12 5.690362E+13 5.204376E+10
2026 6 2.867229E+04 1.188636E+15 8.533337E+11 7.071721E+15 2.479328E+14 2.373484E+12 5.713034E+13 5.162119E+10
2026 7 2.867229E+04 5.212313E+12 7933.749 7.143718E+13 2.544359E+14 4.086301E+11 6.387725E+13 5.466233E+10
2026 8 2.867229E+04 7.893437E+12 7.795499E+09 7.273962E+13 2.387936E+14 7.143405E+11 6.419217E+13 4.432112E+10
2026 9 2.867229E+04 1.733734E+13 7.471361E+09 7.343311E+13 2.610136E+14 9.793030E+11 6.408643E+13 4.307447E+10
2026 10 2.867229E+04 3.444932E+13 7.144111E+09 7.401103E+13 2.628103E+14 1.326282E+12 6.389128E+13 4.179357E+10
2026 11 2.867229E+04 6.313071E+13 3.148436E+11 7.180643E+13 2.54771E+14 1.397434E+12 6.139641E+13 3.917344E+10
2027 0 2.867229E+04 1.084009E+14 6.267616E+11 6.928383E+13 2.436473E+14 1.336377E+12 5.870763E+13 5.635792E+10
2027 1 2.867229E+04 1.765386E+14 8.638488E+11 6.745379E+13 2.389838E+14 1.662811E+12 5.680211E+13 5.448348E+10
2027 2 2.867229E+04 2.733234E+14 9.492888E+11 6.714125E+13 2.377792E+14 1.779944E+12 5.60392E+13 5.340103E+10
2027 3 2.867229E+04 4.1394E+14 9.246348E+11 6.820242E+13 2.413302E+14 1.952004E+12 5.635733E+13 5.30803E+10
2027 4 2.867229E+04 6.033239E+14 8.979437E+11 6.879512E+13 2.433009E+14 2.094617E+12 5.668368E+13 5.233366E+10
2027 5 2.867229E+04 8.369042E+14 8.733332E+11 6.91429E+13 2.437372E+14 2.241999E+12 5.690362E+13 5.204648E+10
2027 6 2.867229E+04 1.188636E+15 8.533337E+11 7.071491E+15 2.476078E+14 2.373484E+12 5.713034E+13 5.162217E+10
2027 7 2.867229E+04 5.212313E+12 7933.749 7.143979E+13 2.54645E+14 4.086303E+11 6.387725E+13 5.466317E+10
2027 8 2.867229E+04 7.893832E+12 7.795499E+09 7.274212E+13 2.38801E+14 7.143407E+11 6.419217E+13 4.432203E+10
2027 9 2.867229E+04 1.733734E+13 7.471361E+09 7.343861E+13 2.610227E+14 9.79391E+11 6.408643E+13 4.307334E+10
2027 10 2.867229E+04 3.444931E+13 7.144111E+09 7.401323E+13 2.628173E+14 1.326282E+12 6.389128E+13 4.179348E+10
2027 11 2.867229E+04 6.313071E+13 3.148436E+11 7.180638E+13 2.547777E+14 1.397433E+12 6.139641E+13 3.91751E+10
2028 0 2.867229E+04 1.084009E+14 6.267616E+11 6.928354E+13 2.436331E+14 1.336377E+12 5.870763E+13 5.635863E+10
2028 1 2.867229E+04 1.765386E+14 8.638428E+11 6.745361E+13 2.389848E+14 1.662811E+12 5.680211E+13 5.448809E+10
2028 2 2.867229E+04 2.733234E+14 9.492888E+11 6.713916E+13 2.377017E+14 1.779357E+12 5.603753E+13 5.346781E+10
2028 3 2.867229E+04 4.139801E+14 9.273237E+11 6.819495E+13 2.413192E+14 1.953754E+12 5.631617E+13 5.30436E+10
2028 4 2.867229E+04 6.035239E+14 9.00821E+11 6.878457E+13 2.43278E+14 2.094399E+12 5.66476E+13 5.23035E+10
2028 5 2.867229E+04 8.368044E+14 8.7832E+11 6.930287E+13 2.436923E+14 2.243029E+12 5.680627E+13 5.207173E+10
2028 6 2.867229E+04 1.188636E+15 8.5611E+11 7.016293E+15 2.479142E+14 2.376332E+12 5.710929E+13 5.13948E+10
2028 7 2.867229E+04 5.212322E+12 7933.749 7.14243E+13 2.544195E+14 4.086292E+11 6.387725E+13 5.464006E+10
2028 8 2.867229E+04 7.893437E+12 7.795499E+09 7.272849E+13 2.387573E+14 7.143395E+11 6.419217E+13 4.431712E+10
2028 9 2.867229E+04 1.733734E+13 7.471361E+09 7.342335E+13 2.609814E+14 9.7893E+11 6.408643E+13 4.307064E+10
2028 10 2.867229E+04 3.444933E+13 7.144111E+09 7.400004E+13 2.627777E+14 1.326281E+12 6.389128E+13 4.17899E+10
2028 11 2.867229E+04 6.313073E+13 3.148436E+11 7.179701E+13 2.547412E+14 1.397434E+12 6.139641E+13 3.917201E+10
2029 0 2.867229E+04 1.084009E+14 6.267616E+11 6.927992E+13 2.436194E+14 1.336377E+12 5.870763E+13 5.63548E+10
2029 1 2.867229E+04 1.765386E+14 8.638428E+11 6.744472E+13 2.389579E+14 1.662811E+12 5.680211E+13 5.444834E+10
2029 2 2.867229E+04 2.733238E+14 9.492888E+11 6.713358E+13 2.377143E+14 1.779944E+12 5.60392E+13 5.349824E+10
2029 3 2.867229E+04 4.1394E+14 9.246348E+11 6.81977E+13 2.41336E+14 1.952002E+12 5.63573E+13 5.307739E+10
2029 4 2.867229E+04 6.035239E+14 8.979637E+11 6.878784E+13 2.432973E+14 2.094617E+12 5.668368E+13 5.233302E+10
2029 5 2.867229E+04 8.368042E+14 8.73323E+11 6.93071E+13 2.437143E+14 2.241998E+12 5.690362E+13 5.204392E+10
2029 6 2.867229E+04 1.188636E+15 8.533337E+11 7.016798E+15 2.479384E+14 2.373484E+12 5.713034E+13 5.161967E+10
2029 7 2.867229E+04 5.212313E+12 7933.749 7.143305E+13 2.54444E+14 4.086298E+11 6.387725E+13 5.466273E+10
2029 8 2.867229E+04 7.893845E+12 7.795499E+09 7.473358E+13 2.387803E+14 7.143402E+11 6.419217E+13 4.431971E+10
2029 9 2.867229E+04 1.733734E+13 7.471361E+09 7.343433E+13 2.610029E+14 9.793030E+11 6.408643E+13 4.307311E+10
2029 10 2.867229E+04 3.444932E+13 7.144111E+09 7.400743E+13 2.627969E+14 1.326282E+12 6.389128E+13 4.179228E+10
2029 11 2.867229E+04 6.313072E+13 3.148436E+11 7.180513E+13 2.547602E+14 1.397434E+12 6.139641E+13 3.917472E+10
2030 0 2.867229E+04 1.084009E+14 6.267616E+11 6.928328E+13 2.436369E+14 1.336377E+12 5.870763E+13 5.635802E+10
2030 1 2.867229E+04 1.765386E+14 8.638428E+11 6.745394E+13 2.389742E+14 1.662811E+12 5.680211E+13 5.448371E+10
2030 2 2.867229E+04 2.733234E+14 9.492888E+11 6.713821E+13 2.377299E+14 1.779944E+12 5.60392E+13 5.350004E+10
2030 3 2.867229E+04 4.1394E+14 9.246348E+11 6.82023E+13 2.41331E+14 1.952004E+12 5.635733E+13 5.307794E+10
2030 4 2.867229E+04 6.035239E+14 8.979637E+11 6.879327E+13 2.43312E+14 2.094617E+12 5.668358E+13 5.233472E+10
2030 5 2.867229E+04 8.368042E+14 8.733332E+11 6.91151E+13 2.43727E+14 2.241998E+12 5.690362E+13 5.204376E+10
2030 6 2.867229E+04 1.188636E+15 8.533337E+11 7.071721E+15 2.479324E+14 2.373484E+12 5.713034E+13 5.162119E+10
2030 7 2.867229E+04 5.212303E+12 7933.749 7.143745E+13 2.54463E+14 4.086301E+11 6.387725E+13 5.466233E+10
2030 8 2.867229E+04 7.893837E+12 7.795499E+09 7.273963E+13 2.387936E+14 7.143406E+11 6.419217E+13 4.432122E+10
2030 9 2.867229E+04 1.733734E+13 7.471361E+09 7.343615E+13 2.610153E+14 9.793909E+11 6.408643E+13 4.307456E+10
2030 10 2.867229E+04 3.444932E+13 7.144111E+09 7.401124E+13 2.628102E+14 1.326282E+12 6.389128E+13 4.179366E+10
2030 11 2.867229E+04 6.313071E+13 3.148436E+11 7.180638E+13 2.547712E+14 1.397434E+12 6.139641E+13 3.917349E+10

2042 6 2.867229E+08 1.188636E+15 8.335557E+11 7.017249E+13 2.479524E+14 2.373448E+12 5.171934E+13 3.16213E+10
2042 7 2.867229E+08 3.212305E+12 7933.749 7.143939E+13 2.344364E+14 4.086301E+11 6.387728E+13 4.546433E+10
2042 8 2.867229E+08 7.893437E+12 7.79349E+09 2.737988E+13 2.387952E+14 1.743404E+11 6.419217E+13 4.432208E+10
2042 9 2.867229E+08 1.737373E+14 7.471361E+09 7.343647E+12 2.610152E+14 7.793909E+11 6.40683E+13 4.307436E+10
2042 10 2.867229E+08 3.444952E+13 7.144111E+09 7.401127E+12 2.628102E+14 1.226282E+12 6.389128E+13 4.179946E+10
2042 11 2.867229E+08 6.313071E+13 3.148436E+11 7.180666E+13 2.347711E+14 1.397454E+12 6.139641E+13 3.917549E+10
2043 0 2.867229E+08 1.084009E+14 6.267616E+11 6.928879E+13 2.436469E+14 1.536578E+12 5.870763E+13 3.6338E+104.086963E+11 6.222791E+13 4.023373E+07 5.235025E+08 7.346574E+07 4.523485E+08 2.486432E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2043 1 2.867229E+08 1.763586E+14 8.638432E+11 6.745698E+13 2.389635E+14 1.662811E+12 5.668021E+13 3.448831E+10
2043 2 2.867229E+08 2.733238E+14 4.492888E+11 6.714142E+13 2.377898E+14 1.779944E+12 5.603928E+13 3.30109E+10
2043 3 2.867229E+08 4.1398E+14 9.246388E+11 6.820542E+13 2.413603E+14 1.932082E+12 5.633753E+13 3.308037E+10
2043 4 2.867229E+08 6.033238E+14 8.979837E+11 6.879338E+13 2.433206E+14 2.094617E+12 5.666838E+13 3.23372E+10
2043 5 2.867229E+08 8.368042E+14 8.753332E+11 6.951446E+13 2.437369E+14 2.241959E+12 5.690362E+13 3.204654E+10
2043 6 2.867229E+08 1.188636E+15 8.335337E+11 7.017308E+13 2.479605E+14 2.373484E+12 5.1713034E+13 3.162223E+10
2043 7 2.867229E+08 3.2123E+12 7933.749 7.143939E+13 2.344643E+14 4.086303E+11 6.387728E+13 4.54633E+10
2043 8 2.867229E+08 7.893832E+12 7.79349E+09 2.734227E+13 2.388008E+14 1.743407E+11 6.419217E+13 4.432208E+10
2043 9 2.867229E+08 1.737373E+14 7.471361E+09 7.343678E+12 2.610223E+14 7.793911E+11 6.40683E+13 4.307399E+10
2043 10 2.867229E+08 3.444951E+13 7.144111E+09 7.401346E+12 2.628171E+14 1.226282E+12 6.389128E+13 4.17944E+10
2043 11 2.867229E+08 6.313071E+13 3.148436E+11 7.180668E+13 2.347773E+14 1.397453E+12 6.139641E+13 3.917621E+10
2044 0 2.867229E+08 1.084009E+14 6.267616E+11 6.939068E+13 2.436532E+14 1.536578E+12 5.870763E+13 3.633868E+10
2044 1 2.867229E+08 1.763586E+14 8.638432E+11 6.745872E+13 2.38969E+14 1.662811E+12 5.668021E+13 3.44889E+10
2044 2 2.867229E+08 2.733238E+14 4.492888E+11 6.714322E+13 2.377015E+14 1.783937E+12 5.603793E+13 3.346787E+10
2044 3 2.867229E+08 4.139801E+14 9.252136E+11 6.713227E+13 2.413191E+14 1.935734E+12 5.631617E+13 3.30435E+10
2044 4 2.867229E+08 6.033238E+14 9.00212E+11 6.87844E+13 2.432778E+14 2.097795E+12 5.667648E+13 3.230358E+10
2044 5 2.867229E+08 8.368042E+14 8.7832E+11 6.930297E+13 2.436922E+14 2.246029E+12 5.688378E+13 3.201788E+10
2044 6 2.867229E+08 1.188636E+15 8.335337E+11 7.017308E+13 2.479524E+14 2.373484E+12 5.171934E+13 3.162223E+10
2044 7 2.867229E+08 3.212305E+12 7933.749 7.143939E+13 2.344643E+14 4.086303E+11 6.387728E+13 4.54633E+10
2044 8 2.867229E+08 7.893832E+12 7.79349E+09 2.734227E+13 2.388008E+14 1.743407E+11 6.419217E+13 4.432208E+10
2044 9 2.867229E+08 1.737373E+14 7.471361E+09 7.343647E+12 2.610223E+14 7.793911E+11 6.40683E+13 4.307399E+10
2044 10 2.867229E+08 3.444951E+13 7.144111E+09 7.400951E+12 2.62778E+14 1.226282E+12 6.389128E+13 4.178992E+10
2044 11 2.867229E+08 6.313071E+13 3.148436E+11 7.177970E+13 2.34741E+14 1.397433E+12 6.139641E+13 3.917203E+10
2045 0 2.867229E+08 1.084009E+14 6.267616E+11 6.927998E+13 2.436193E+14 1.536578E+12 5.870763E+13 3.63434E+10
2045 1 2.867229E+08 1.763586E+14 8.638432E+11 6.74479E+13 2.38978E+14 1.662811E+12 5.668021E+13 3.44433E+10
2045 2 2.867229E+08 2.733238E+14 4.492888E+11 6.713335E+13 2.377142E+14 1.779944E+12 5.603928E+13 3.34982E+10
2045 3 2.867229E+08 4.139E+14 9.246388E+11 6.819778E+13 2.413364E+14 1.932082E+12 5.633753E+13 3.30787E+10
2045 4 2.867229E+08 6.033238E+14 8.979837E+11 6.87780E+13 2.432572E+14 2.094617E+12 5.666838E+13 3.23304E+10
2045 5 2.867229E+08 8.368042E+14 8.753332E+11 6.930772E+13 2.437142E+14 2.241959E+12 5.690362E+13 3.204394E+10
2045 6 2.867229E+08 1.188636E+15 8.335337E+11 7.016803E+13 2.479383E+14 2.373484E+12 5.1713034E+13 3.161968E+10
2045 7 2.867229E+08 3.21231E+12 7933.749 7.143314E+13 2.344439E+14 4.086298E+11 6.387728E+13 4.54627E+10
2045 8 2.867229E+08 7.89384E+12 7.79349E+09 2.73373E+13 2.387802E+14 1.743402E+11 6.419217E+13 4.43193E+10
2045 9 2.867229E+08 1.737373E+14 7.471361E+09 7.343042E+12 2.610028E+14 7.793903E+11 6.40683E+13 4.30731E+10
2045 10 2.867229E+08 3.444951E+13 7.144111E+09 7.400747E+12 2.627982E+14 1.226282E+12 6.389128E+13 4.17922E+10
2045 11 2.867229E+08 6.313071E+13 3.148436E+11 7.18031E+13 2.347801E+14 1.397454E+12 6.139641E+13 3.917422E+10
2046 0 2.867229E+08 1.084009E+14 6.267616E+11 6.928358E+13 2.436388E+14 1.536578E+12 5.870763E+13 3.63568E+10
2046 1 2.867229E+08 1.763586E+14 8.638432E+11 6.74399E+13 2.389741E+14 1.662811E+12 5.668021E+13 3.44872E+10
2046 2 2.867229E+08 2.733238E+14 4.492888E+13 6.713835E+13 2.37729E+14 1.779944E+12 5.603928E+13 3.30003E+10
2046 3 2.867229E+08 4.139E+14 9.246388E+11 6.80261E+13 2.413516E+14 1.932082E+12 5.633753E+13 3.30793E+10
2046 4 2.867229E+08 6.033238E+14 8.979837E+11 6.8799E+13 2.43312E+14 2.094617E+12 5.66683E+13 3.23347E+10
2046 5 2.867229E+08 8.368042E+14 8.753332E+11 6.951181E+13 2.437286E+14 2.241959E+12 5.690362E+13 3.204359E+10
2046 6 2.867229E+08 1.188636E+15 8.335337E+11 7.017249E+13 2.479524E+14 2.373484E+12 5.1713034E+13 3.16213E+10
2046 7 2.867229E+08 3.212305E+12 7933.749 7.143746E+13 2.344364E+14 4.086301E+11 6.387728E+13 4.546433E+10
2046 8 2.867229E+08 7.893437E+12 7.79349E+09 2.737988E+13 2.387952E+14 1.743404E+11 6.419217E+13 4.432122E+10
2046 9 2.867229E+08 1.737373E+14 7.471361E+09 7.343647E+12 2.610152E+14 7.793909E+11 6.40683E+13 4.307436E+10
2046 10 2.867229E+08 3.444952E+13 7.144111E+09 7.401127E+12 2.628102E+14 1.226282E+12 6.389128E+13 4.179946E+10
2046 11 2.867229E+08 6.313071E+13 3.148436E+11 7.180666E+13 2.347711E+14 1.397454E+12 6.139641E+13 3.917549E+10
2047 0 2.867229E+08 1.084009E+14 6.267616E+11 6.928879E+13 2.436469E+14 1.536578E+12 5.870763E+13 3.6358E+104.086963E+11 6.222791E+13 4.023373E+07 5.235025E+08 7.346574E+07 4.523485E+08 2.486432E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2047 1 2.867229E+08 1.763586E+14 8.638432E+11 6.745698E+13 2.389635E+14 1.662811E+12 5.668021E+13 3.448831E+10
2047 2 2.867229E+08 2.733238E+14 4.492888E+11 6.714142E+13 2.377898E+14 1.779944E+12 5.603928E+13 3.30109E+10
2047 3 2.867229E+08 4.1398E+14 9.246388E+11 6.820542E+13 2.413603E+14 1.932082E+12 5.633753E+13 3.308037E+10
2047 4 2.867229E+08 6.033238E+14 8.979837E+11 6.879338E+13 2.433206E+14 2.094617E+12 5.666838E+13 3.23372E+10
2047 5 2.867229E+08 8.368042E+14 8.753332E+11 6.951446E+13 2.437369E+14 2.241959E+12 5.690362E+13 3.204654E+10
2047 6 2.867229E+08 1.188636E+15 8.335337E+11 7.017308E+13 2.479605E+14 2.373484E+12 5.1713034E+13 3.162223E+10
2047 7 2.867229E+08 3.2123E+12 7933.749 7.143939E+13 2.344643E+14 4.086303E+11 6.387728E+13 4.54633E+10
2047 8 2.867229E+08 7.893832E+12 7.79349E+09 2.734227E+13 2.388008E+14 1.743407E+11 6.419217E+13 4.432208E+10
2047 9 2.867229E+08 1.737373E+14 7.471361E+09 7.343678E+12 2.610223E+14 7.793911E+11 6.40683E+13 4.307399E+10
2047 10 2.867229E+08 3.444951E+13 7.144111E+09 7.401346E+12 2.628171E+14 1.226282E+12 6.389128E+13 4.17944E+10
2047 11 2.867229E+08 6.313071E+13 3.148436E+11 7.180668E+13 2.347773E+14 1.397453E+12 6.139641E+13 3.917621E+10
2048 0 2.867229E+08 1.084009E+14 6.267616E+11 6.939068E+13 2.436532E+14 1.536578E+12 5.870763E+13 3.633868E+10
2048 1 2.867229E+08 1.763586E+14 8.638432E+11 6.745872E+13 2.38969E+14 1.662811E+12 5.668021E+13 3.44889E+10
2048 2 2.867229E+08 2.733238E+14 4.492888E+11 6.714322E+13 2.377015E+14 1.783937E+12 5.603793E+13 3.346787E+10

2044 3. 2.067229E+04 1.4.199801E+14 9.257237E+11 6.794935E+13 2.413191E+14 1.953794E+12 5.651617E+13 3.348499E+10 3.681371E+11 5.440221E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2044 4. 2.067229E+04 6.053209E+14 9.006211E+11 6.878448E+13 2.432776E+14 2.097993E+12 5.664764E+13 3.230535E+10 3.616798E+11 5.290384E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2044 5. 2.067229E+04 6.568044E+14 8.783252E+11 6.930297E+13 2.436922E+14 2.343029E+12 5.686297E+13 3.210778E+10 3.558351E+11 5.156011E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2044 6. 2.067229E+04 6.118865E+14 8.861819E+11 7.016305E+13 2.479141E+14 2.376303E+12 5.710992E+13 3.139487E+10 3.307362E+11 5.035264E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2044 7. 2.067229E+04 6.215232E+12 7933.749 7.142369E+13 2.344193E+14 4.086292E+11 6.387728E+13 4.546009E+10 5.117226E+11 8.228549E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2044 8. 2.067229E+04 6.789343E+12 7.79549E+09 7.732387E+13 2.387577E+14 1.743396E+11 6.419217E+13 4.431715E+10 4.981164E+11 7.918352E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2044 9. 2.067229E+04 6.1733755E+13 7.471361E+09 7.342364E+13 2.609612E+14 9.7995E+11 6.406838E+13 4.307066E+10 4.834514E+11 7.604188E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2044 10. 2.067229E+04 6.344993E+13 7.144111E+09 7.400091E+13 2.627776E+14 1.226281E+12 6.389128E+13 4.178992E+10 4.684167E+11 7.286091E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2044 11. 2.067229E+04 6.513072E+13 3.148436E+11 7.179708E+13 2.54741E+14 1.397453E+12 6.139641E+13 3.917203E+10 4.384913E+11 6.744873E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2049 0. 2.067229E+04 6.108400E+14 6.267616E+11 6.927994E+13 2.436193E+14 1.536577E+12 5.870763E+13 3.635442E+10 4.085303E+11 6.221651E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2049 1. 2.067229E+04 6.176558E+14 6.638428E+11 6.744479E+13 2.389378E+14 1.66281E+12 5.668021E+13 3.444553E+10 3.830163E+11 5.799717E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2049 2. 2.067229E+04 6.275334E+14 6.492888E+11 6.713355E+13 2.377142E+14 1.779944E+12 5.603928E+13 3.349625E+10 3.736098E+11 5.579466E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2049 3. 2.067229E+04 6.119865E+14 6.533577E+11 6.819776E+13 2.413364E+14 1.932082E+12 5.633733E+13 3.30776E+10 3.684667E+11 5.446185E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2049 4. 2.067229E+04 6.035209E+14 8.979437E+11 6.878769E+13 2.432972E+14 2.096417E+12 5.666838E+13 3.233304E+10 3.616798E+11 5.290384E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2049 5. 2.067229E+04 6.568042E+14 8.753332E+11 6.930723E+13 2.437142E+14 2.341938E+12 5.690362E+13 3.204394E+10 3.512648E+11 5.156127E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2049 6. 2.067229E+04 6.118865E+14 8.861819E+11 7.016305E+13 2.479141E+14 2.376303E+12 5.710992E+13 3.139487E+10 3.307362E+11 5.035264E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2049 7. 2.067229E+04 6.215232E+12 7933.749 7.142369E+13 2.344193E+14 4.086292E+11 6.387728E+13 4.546009E+10 5.117226E+11 8.228549E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2049 8. 2.067229E+04 6.789343E+12 7.79549E+09 7.732387E+13 2.387577E+14 1.743396E+11 6.419217E+13 4.431715E+10 4.981164E+11 7.918352E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2049 9. 2.067229E+04 6.173375E+13 7.471361E+09 7.342364E+13 2.610028E+14 9.79959E+11 6.406838E+13 4.307313E+10 4.834514E+11 7.60368E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2049 10. 2.067229E+04 6.344993E+13 7.144111E+09 7.400747E+13 2.627942E+14 1.226282E+12 6.389128E+13 4.179229E+10 4.684507E+11 7.286933E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2049 11. 2.067229E+04 6.513072E+13 3.148436E+11 7.180315E+13 2.547601E+14 1.397454E+12 6.139641E+13 3.917422E+10 4.385237E+11 6.749552E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2030 0. 2.067229E+04 6.108400E+14 6.267616E+11 6.928356E+13 2.436368E+14 1.536577E+12 5.870763E+13 3.635683E+10 4.085793E+11 6.222577E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2030 1. 2.067229E+04 6.176558E+14 6.638428E+11 6.743396E+13 2.389741E+14 1.66281E+12 5.668021E+13 3.444787E+10 3.830432E+11 5.799384E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2030 2. 2.067229E+04 6.275332E+14 6.492888E+11 6.713813E+13 2.377799E+14 1.779944E+12 5.603928E+13 3.330005E+10 3.736336E+11 5.580477E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2030 3. 2.067229E+04 6.119865E+14 6.533577E+11 6.819776E+13 2.413364E+14 1.932082E+12 5.633733E+13 3.30776E+10 3.684667E+11 5.446185E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2030 4. 2.067229E+04 6.035209E+14 8.979437E+11 6.878769E+13 2.433121E+14 2.096417E+12 5.666838E+13 3.233474E+10 3.620118E+11 5.300015E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2030 5. 2.067229E+04 6.568042E+14 8.753332E+11 6.931818E+13 2.437286E+14 2.341938E+12 5.690362E+13 3.204394E+10 3.512648E+11 5.156186E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2030 6. 2.067229E+04 6.118865E+14 8.861819E+11 7.017349E+13 2.479524E+14 2.373484E+12 5.710304E+13 3.16211E+10 3.306596E+11 5.040798E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2030 7. 2.067229E+04 6.212305E+12 7933.749 7.143746E+13 2.344364E+14 4.086301E+11 6.387728E+13 4.546433E+10 5.117835E+11 8.230063E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2030 8. 2.067229E+04 6.789343E+12 7.79549E+09 7.732387E+13 2.387592E+14 1.743406E+11 6.419217E+13 4.432122E+10 4.987034E+11 7.919802E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2030 9. 2.067229E+04 6.173375E+13 7.471361E+09 7.343647E+13 2.610133E+14 9.793909E+11 6.406838E+13 4.307343E+10 4.830747E+11 7.605178E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2030 10. 2.067229E+04 6.344993E+13 7.144111E+09 7.401327E+13 2.628102E+14 1.226282E+12 6.389128E+13 4.179366E+10 4.684704E+11 7.287419E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2030 11. 2.067229E+04 6.513071E+13 3.148436E+11 7.180666E+13 2.547711E+14 1.397454E+12 6.139641E+13 3.915749E+10 4.385419E+11 6.749402E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2031 0. 2.067229E+04 6.108400E+14 6.267616E+11 6.928779E+13 2.436469E+14 1.536577E+12 5.870763E+13 3.635535E+10 4.086962E+11 6.222791E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2031 1. 2.067229E+04 6.176558E+14 6.638428E+11 6.743963E+13 2.389333E+14 1.662811E+12 5.668021E+13 3.448381E+10 3.830163E+11 5.799384E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2031 2. 2.067229E+04 6.275332E+14 6.492888E+11 6.714143E+13 2.377389E+14 1.779944E+12 5.603928E+13 3.330109E+10 3.736306E+11 5.580978E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2031 3. 2.067229E+04 6.119865E+14 6.533577E+11 6.819776E+13 2.413364E+14 1.932082E+12 5.633733E+13 3.30776E+10 3.684667E+11 5.446185E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2031 4. 2.067229E+04 6.035209E+14 8.979437E+11 6.878769E+13 2.433206E+14 2.096417E+12 5.666838E+13 3.233373E+10 3.616798E+11 5.290384E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2031 5. 2.067229E+04 6.568042E+14 8.753332E+11 6.931446E+13 2.437369E+14 2.341938E+12 5.690362E+13 3.204394E+10 3.512648E+11 5.16022E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2031 6. 2.067229E+04 6.118865E+14 8.861819E+11 7.017308E+13 2.479653E+14 2.373484E+12 5.710304E+13 3.162223E+10 3.306596E+11 5.041126E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2031 7. 2.067229E+04 6.21232E+12 7933.749 7.140939E+13 2.344463E+14 4.086303E+11 6.387728E+13 4.546523E+10 5.117863E+11 8.230975E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2031 8. 2.067229E+04 6.789343E+12 7.79549E+09 7.732387E+13 2.388004E+14 1.743407E+11 6.419217E+13 4.432008E+10 4.981777E+11 7.920106E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2031 9. 2.067229E+04 6.173375E+13 7.471361E+09 7.343876E+13 2.610225E+14 9.79931E+11 6.406838E+13 4.307359E+10 4.831953E+11 7.605698E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2031 10. 2.067229E+04 6.344993E+13 7.144111E+09 7.401346E+13 2.628171E+14 1.226282E+12 6.389128E+13 4.17944E+10 4.684816E+11 7.287698E+13 4.023373E+07 5.253025E+08 7.346574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2031 11. 2.067229E+04 6.513071E+13 3.148436E+11 7.180869E+13 2.547775E+14 1.397455E+12 6.139641E+13 3.91762

2054	0	2.867229E+08	1.084009E+14	6.267616E+11	6.928136E+15	2.436368E+14	1.336577E+12	5.870743E+13	3.633683E+10	4.086795E+11	6.222777E+13	4.023373E+07	5.233023E+08	7.346574E+07	4.323485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92382E+08	0	304.8
2054	1	2.867229E+08	1.763386E+14	8.438428E+11	6.743398E+15	2.389741E+14	1.662811E+12	5.680921E+13	3.444723E+10	3.850432E+11	5.800364E+13	4.023373E+07	5.233023E+08	7.346574E+07	4.323485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92382E+08	0	304.8
2054	2	2.867229E+08	2.753298E+14	9.492888E+11	6.713431E+15	2.577298E+14	1.779948E+12	5.603928E+13	3.330003E+10	3.784335E+11	5.580467E+13	4.023373E+07	5.233023E+08	7.346574E+07	4.323485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92382E+08	0	304.8
2054	3	2.867229E+08	4.13998E+14	9.246388E+11	6.820261E+15	2.413516E+14	1.952808E+12	5.633575E+13	3.370992E+10	3.684879E+11	5.446609E+13	4.023373E+07	5.233023E+08	7.346574E+07	4.323485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92382E+08	0	304.8
2054	4	2.867229E+08	6.035238E+14	8.79837E+11	6.87926E+15	2.433121E+14	2.094617E+12	5.666858E+13	3.533474E+10	3.620111E+11	5.300015E+13	4.023373E+07	5.233023E+08	7.346574E+07	4.323485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92382E+08	0	304.8
2054	5	2.867229E+08	8.368042E+14	8.753332E+11	6.931181E+15	2.457288E+14	2.241998E+12	5.690362E+13	3.204359E+10	3.561301E+11	5.161868E+13	4.023373E+07	5.233023E+08	7.346574E+07	4.323485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92382E+08	0	304.8
2054	6	2.867229E+08	1.08636E+15	8.533377E+11	7.017269E+15	2.479324E+14	2.373484E+12	5.713034E+13	3.16213E+10	3.511783E+11	5.23006E+13	4.023373E+07	5.233023E+08	7.346574E+07	4.323485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92382E+08	0	304.8
2054	7	2.867229E+08	1.34464E+15	7933.749	7.143746E+15	2.544364E+14	4.080301E+12	5.897728E+13	3.464333E+10	4.981754E+11	7.919802E+13	4.023373E+07	5.233023E+08	7.346574E+07	4.323485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92382E+08	0	304.8
2054	8	2.867229E+08	8.338336E+12	7.79349E+09	7.279888E+13	2.387932E+14	7.143406E+12	6.419217E+13	4.432122E+10	4.83037E+11	7.603578E+13	4.023373E+07	5.233023E+08	7.346574E+07	4.323485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92382E+08	0	304.8
2054	9	2.867229E+08	1.841159E+13	7.471361E+09	7.343647E+13	2.610153E+14	9.789309E+11	6.408858E+13	4.307436E+10	4.684704E+11	7.287419E+13	4.023373E+07	5.233023E+08	7.346574E+07	4.323485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92382E+08	0	304.8
2054	10	2.867229E+08	3.665411E+13	7.144411E+09	7.401117E+13	2.628102E+14	1.226382E+12	6.389128E+13	4.179366E+10	4.843419E+11	7.499802E+13	4.023373E+07	5.233023E+08	7.346574E+07	4.323485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92382E+08	0	304.8
2054	11	2.867229E+08	6.723765E+13	3.148436E+11	7.180666E+12	2.547711E+14	1.297454E+12	6.199641E+13	3.917549E+10	4.843419E+11	7.499802E+13	4.023373E+07	5.233023E+08	7.346574E+07	4.323485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92382E+08	0	304.8
2055	0	2.867229E+08	1.153446E+14	6.267616E+11	6.928136E+15	2.436368E+14	1.336577E+12	5.870743E+13	3.633683E+10	4.086795E+11	6.222777E+13	4.023373E+07	5.233023E+08	7.346574E+07	4.323485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92382E+08	0	304.8
2055	1	2.867229E+08	1.882437E+14	8.638428E+11	6.743398E+15	2.389741E+14	1.662811E+12	5.680921E+13	3.444831E+10	3.850587E+11	5.800769E+13	4.023373E+07	5.233023E+08	7.346574E+07	4.323485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92382E+08	0	304.8

Cumulative Flow and Concentrations Per Time Interval for Layer 1: Ph Water

YEAR	Math	Vol (m ³ /Yr)	pH	Al (mg/L)	Acid	SO ₄ (mg/L)	Al (mg/L)	Ca	Cl (mg/L)	Ca (mg/L)	Zn (mg/L)	1:5 rem. (kg)	1:NPrm. (kg)	2:5 rem. (kg)	2:NPrm. (kg)	3:5 rem. (kg)	3:NPrm. (kg)	4:5 rem. (kg)	4:NPrm. (kg)	5:5 rem. (kg)	5:NPrm. (kg)	Pump	Wt. Water Elev (m)
1993	7	1.045298E+07	9.007571	354.1094	0	4868.013	1.28615	220	6.914818E-04	1.742427E-03	2.727077E-03	4.023373E+07	5.233023E+08	7.346574E+07	4.323485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.237178E+07	9.143040E+08	6.932345E+08	0	20.23479
1993	8	2.296466E+07	9.604592	534.8938	0	4010.016	1.132794	220	5.633007E-04	7.207444E-04	1.964172E-03	4.023373E+07	5.233666E+08	7.346776E+07	4.323639E+08	2.486952E+08	5.934107E+08	6.93272E+07	5.236134E+07	9.142957E+08	6.931835E+08	0	59.02202
1993	9	3.59833E+07	10.24026	1020.699	0	4294.643	1.043904	220	1.6649E-04	4.232904E-04	4.023373E+07	5.236462E+08	7.346779E+07	4.323616E+08	2.486888E+08	5.933837E+08	6.932438E+07	5.232321E+07	9.142604E+08	6.930633E+08	0	88.27809	
1993	10	5.161986E+07	10.7542	1381.442	0	4977.094	9.631936E-02	220	9.191638E-05	1.323333E-04	1.497854E-04	4.023373E+07	5.236193E+08	7.346712E+07	4.323393E+08	2.486815E+08	5.933302E+08	6.932178E+07	5.234573E+07	9.142265E+08	6.92934E+08	0	113.8639
1993	11	7.943094E+07	11.01327	1975.375	0	3018.417	9.246167E-02	220	6.797282E-05	9.04125E-05	8.399289E-05	4.023373E+07	5.23601E+08	7.34669E+07	4.323578E+08	2.486758E+08	5.933939E+08	6.931968E+07	5.230989E+07	9.141982E+08	6.930842E+08	0	150.1619
1996	0	1.142004E+08	11.27307	2460.364	0	5433.33	8.88037E-02	220	5.043694E-05	6.18347E-05	4.67771E-05	4.023373E+07	5.23582E+08	7.346677E+07	4.323538E+08	2.486709E+08	5.933922E+08	6.931786E+07	5.230310E+07	9.141743E+08	6.927699E+08	0	181.1384
1996	1	4.14012E+08	11.36669	5135.744	0	6312.271	4.481332E-02	220	5.35337E-05	1.05162E-05	2.421279E-05	4.023373E+07	5.235722E+08	7.346657E+07	4.323531E+08	2.486650E+08	5.933002E+08	6.931033E+07	5.230222E+07	9.141545E+08	6.927735E+08	0	208.5667
1996	2	1.598006E+08	11.93342	4326.189	0	8011.013	8.003354E-02	220	2.346694E-05	2.529698E-05	1.059901E-05	4.023373E+07	5.23561E+08	7.346644E+07	4.32356E+08	2.486633E+08	5.932975E+08	6.931514E+07	5.230222E+07	9.141385E+08	6.926768E+08	0	222.6139
1996	3	1.71871E+08	12.51187	5982.016	0	10468.35	7.54717E-02	220	1.518398E-05	3.173833E-05	1.43236E-05	4.023373E+07	5.23551E+08	7.346633E+07	4.323515E+08	2.486637E+08	5.932736E+08	6.931394E+07	5.231831E+07	9.141235E+08	6.926193E+08	0	251.918
1996	4	1.836292E+08	12.64412	7912.699	0	13338.34	7.164729E-02	220	1.034319E-05	1.199046E-05	2.160863E-05	4.023373E+07	5.23541E+08	7.346621E+07	4.323522E+08	2.486574E+08	5.932736E+08	6.931287E+07	5.231406E+07	9.141058E+08	6.925738E+08	0	281.0637
1996	5	1.994178E+08	12.94921	10261.41	0	16774.07	6.68932	220	7.269347E-06	5.230063E-06	1.090115E-06	4.023373E+07	5.23533E+08	7.34661E+07	4.323514E+08	2.486547E+08	5.932666E+08	6.931188E+07	5.231165E+07	9.140954E+08	6.925331E+08	0	320.2338
1996	6	2.121951E+08	13.23797	13116.76	0	20926.95	6.293184E-02	220	5.710043E-06	4.093688E-06	7.508347E-07	4.023373E+07	5.235254E+08	7.346601E+07	4.323507E+08	2.486524E+08	5.932346E+08	6.931102E+07	5.230885E+07	9.140836E+08	6.924944E+08	0	358.7296
1996	7	2.224413E+08	13.18036	13492.81	0	20036.95	6.387929E-02	220	5.56626E-06	7.21314E-06	6.494148E-07	4.023373E+07	5.235184E+08	7.346593E+07	4.3235E+08	2.486500E+08	5.932306E+08	6.931028E+07	5.230833E+07	9.140732E+08	6.924994E+08	0	385.3424
1996	8	2.347465E+08	13.11545	11822.66	0	19063.14	6.433024E-02	220	5.998311E-06	4.093688E-06	7.508347E-07	4.023373E+07	5.235121E+08	7.34658E+07	4.323494E+08	2.486482E+08	5.932438E+08	6.930949E+07	5.230939E+07	9.140657E+08	6.924291E+08	0	413.7742
1996	9	2.481781E+08	13.04988	11172.7	0	18103.53	6.724543E-02	220	6.476803E-06	4.43132E-06	1.136346E-07	4.023373E+07	5.23507E+08	7.34658E+07	4.32349E+08	2.486466E+08	5.93238E+08	6.93087E+07	5.230199E+07	9.140537E+08	6.924037E+08	0	442.3733
1996	10	2.629928E+08	12.98038	10339.4	0	17167.73	6.797048E-02	220	7.010477E-06	4.993752E-06	1.016944E-06	4.023373E+07	5.235023E+08	7.346574E+07	4.323485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	470.5923
1996	11	2.867229E+08	12.86491	9450.274	0	15642.73	6.912177E-02	220	8.013401E-06	5.92188E-06	1.316985E-06	4.023373E+07	5.235023E+08	7.346574E+07	4.32348E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	504.8
1997	0	2.867229E+08	12.74374	8643.012	0	14233.12	7.074943	220	9.173589E-06	7.037921E-06	1.712766E-06	4.023373E+07	5.235023E+08	7.346574E+07	4.32348E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	534.8
1997	1	2.867229E+08	12.63537	7974.624	0	13181.63	7.154471E-02	220	1.023431E-05	8.089226E-06	2.11697E-06	4.023373E+07	5.235023E+08	7.346574E+07	4.32348E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	564.8
1997	2	2.867229E+08	12.61119	7693.801	0	12730.64	7.201763E-02	220	1.074442E-05	8.606717E-06	2.326462E-06	4.023373E+07	5.235023E+08	7.346574E+07	4.32348E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	594.8
1997	3	2.867229E+08	12.59411	7393.379	0	12618.39	7.318791E-02	220	1.093346E-05	8.900141E-06	2.406517E-06	4.023373E+07	5.235023E+08	7.346574E+07	4.32348E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	624.8
1997	4	2.867229E+08	12.57397	7359.242	0	12323.18	7.328875E-02	220	1.104434E-05	9.814919E-06	2.54145E-06	4.023373E+07	5.235023E+08	7.346574E+07	4.32348E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	654.8
1997	5	2.867229E+08	12.55195	7368.73	0	12364.48	7.372269E-02	220	1.098395E-05	8.824074E-06	2.439038E-06	4.023373E+07	5.235023E+08	7.346574E+07	4.32348E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	684.8
1997	6	2.867229E+08	12.53163	7174.521	0	11784.95	7.492033E-02	220	1.070326E-05	8.66777E-06	2.310095E-06	4.023373E+07	5.235023E+08	7.346574E+07	4.32348E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	714.8
1997	7	2.867229E+08	12.50776	7343.285	0	12379.97	7.247302E-02	220	1.125847E-05	9.135127E-06	2.347307E-06	4.023373E+07	5.235023E+08	7.346574E+07	4.32348E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	744.8
1997	8	2.867229E+08	12.52085	7123.703	0	11938.73	7.304877E-02	220	1.192739E-05	9.632668E-06	2.849153E-06	4.023373E+07	5.235023E+08	7.346574E+07	4.32348E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	774.8
1997	9	2.867229E+08	12.48478	6814.71	0	11487.88	7.364139E-02	220	1.266702E-05	1.061634E-05	3.301938E-06	4.023373E+07	5.235023E+08	7.346574E+07	4.32348E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	804.8
1997	10	2.867229E+08	12.45179	6302.911	0	11050.36	7.478399E-02	220	1.349832E-05	1.11277E-05	3.622204E-06	4.023373E+07	5.235023E+08	7.346574E+07	4.32348E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	834.8
1997	11	2.867229E+08	12.51997	6000.205	0	10237.34	7.358466E-02	220	1.30549E-05	1.321318E-05	4.476477E-06	4.023373E+07	5.235023E+08	7.346574E+07	4.32348E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	864.8
1998	0	2.867229E+08	12.51997	5310.175	0	9437.896	7.762343E-02	220	1.089964E-05	1.333233E-05	5.601932E-06	4.023373E+07	5.235023E+08	7.346574E+07	4.32348E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	894.8
1998	1	2.867229E+08	12.51323	5115.346	0	8834.745	7.073018E-02	220	1.068833E-05	1.743032E-05	6.899463E-06	4.023373E+07	5.235023E+08	7.346574E+07	4.32348E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	924.8
1998	2	2.867229E+08	12.50832	4906.521	0	8314.097	7.02333E-02	220	1.078208E-05	1.874134E-05	7.609118E-06	4.023373E+07	5.235023E+08	7.346574E+07	4.32348E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	954.8
1998	3	2.867229E+08	12.50493	4799.128	0	8327.174	7.863416E-02	220	2.03581E-05	1.968368E-05	8.199335E-06	4.023373E+07	5.235023E+08	7.346574E+07	4.32348E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	984.8
1998	4	2.867229E+08	12.50324	4622.731	0	8118.225	7.908002E-02	220	2.14464E-05	2.077434E-05	8.884173E-06	4.023373E+07	5.235023E+08	7.346574E+07	4.32348E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	1014.8
1998	5	2.867229E+08	11.97741	4483.753	0	7923.618	7.935094E-02	220	2.333326E-05	2.190071E-05	9.638971E-06	4.023373E+07	5.235023E+08	7.346574E+07	4.32348E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	1044.8
1998	6	2.867229E+08	11.94302	4361.733	0	7751.4	7.993523E-02	220	2.320388E-05	2.397123E-05	1.036446E-05	4.023373E+07	5.235023E+08	7.346574E+									

1999 10 2.867229E+08 11.03291 2003.289 0 4302.363 9.220661E-02 220 6.660078E-05 8.809222E-05 8.015778E-05 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

1999 11 2.867229E+08 10.93376 1842.857 0 4018.428 9.364922E-02 220 7.468819E-05 1.019515E-04 1.001197E-04 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2000 0 2.867229E+08 10.82891 1683.572 0 5736.248 9.519941E-02 220 8.431191E-05 1.189971E-04 1.266616E-04 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2000 1 2.867229E+08 10.73692 1536.354 0 5312.169 9.638048E-02 220 9.377035E-05 1.362095E-04 1.336025E-04 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2000 2 2.867229E+08 10.6138 1485.37 0 3398.158 9.742095E-02 220 9.996452E-05 1.478382E-04 1.76234E-04 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2000 3 2.867229E+08 10.64279 1438.244 0 3344.153 9.801448E-02 220 1.045495E-04 1.563382E-04 1.922751E-04 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2000 4 2.867229E+08 10.601 1387.953 0 3278.941 9.857978E-02 220 1.097235E-04 1.664838E-04 2.111686E-04 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2000 5 2.867229E+08 10.35938 1339.81 0 8219.234 9.929991E-02 220 1.151048E-04 1.769348E-04 2.317275E-04 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2000 6 2.867229E+08 10.32189 1297.48 0 5167.23 9.988751E-02 220 1.202291E-04 1.870632E-04 2.321599E-04 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2000 7 2.867229E+08 10.46397 1237.113 0 3110.637 1.00786 220 1.282373E-04 2.051322E-04 2.838428E-04 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2000 8 2.867229E+08 10.40409 1173.578 0 3037.5 1.017471 220 1.377681E-04 2.212379E-04 3.284124E-04 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2000 9 2.867229E+08 10.34065 1111.94 0 2936.333 1.027627 220 1.482495E-04 2.443526E-04 3.786195E-04 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2000 10 2.867229E+08 10.27335 1049.881 0 2873.116 1.034313 220 1.602423E-04 2.698082E-04 4.403072E-04 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2000 11 2.867229E+08 10.16795 959.7123 0 2697.996 1.053795 220 1.810044E-04 3.151469E-04 5.777226E-04 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2001 0 2.867229E+08 10.03682 872.8701 0 2320.699 1.071435 220 2.058622E-04 3.713253E-04 7.158997E-04 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2001 1 2.867229E+08 9.97963 802.3023 0 2381.518 1.091063 220 2.307295E-04 4.294414E-04 8.931911E-04 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2001 2 2.867229E+08 9.89706 762.9946 0 2313.789 1.101233 220 2.470888E-04 4.686378E-04 1.020411E-03 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2001 3 2.867229E+08 9.82527 733.3906 0 2289.817 1.109294 220 2.607138E-04 5.074829E-04 1.121414E-03 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2001 4 2.867229E+08 9.80539 703.5337 0 2234.91 1.117838 220 2.759463E-04 5.949995E-04 1.263095E-03 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2001 5 2.867229E+08 9.733762 674.3603 0 2223.867 1.126334 220 2.921338E-04 5.802219E-04 1.412004E-03 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2001 6 2.867229E+08 9.70468 648.836 0 2197.001 1.134321 220 3.078375E-04 6.202894E-04 1.562975E-03 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2001 7 2.867229E+08 9.637349 610.7922 0 2173.831 1.14722 220 3.341569E-04 6.880248E-04 1.830429E-03 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2001 8 2.867229E+08 9.560794 572.1287 0 2137.875 1.161609 220 3.631547E-04 7.710678E-04 2.176642E-03 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2001 9 2.867229E+08 9.482877 533.3828 0 2094.294 1.175343 220 3.993729E-04 8.499681E-04 2.397239E-03 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2001 10 2.867229E+08 9.409490 488.8286 0 2048.684 1.190770 220 4.469078E-04 9.770017E-04 2.526953E-03 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2001 11 2.867229E+08 9.2795 430.2101 0 1935.002 1.213372 220 5.034651E-04 1.167133E-03 4.090414E-03 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2002 0 2.867229E+08 9.152738 404.1226 0 1819.475 1.237696 220 5.832919E-03 1.406313E-03 5.43345E-03 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2002 1 2.867229E+08 9.037874 366.4489 0 1779.087 1.260137 220 6.883245E-04 1.666329E-03 7.032517E-03 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2002 2 2.867229E+08 8.964283 344.1794 0 1689.342 1.274761 220 7.766248E-04 1.857202E-03 8.104715E-03 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2002 3 2.867229E+08 8.896808 323.4306 0 1679.636 1.287937 220 7.830328E-04 2.043951E-03 9.610702E-03 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2002 4 2.867229E+08 8.830691 307.1537 0 1602.32 1.30176 220 8.491671E-04 2.261298E-03 1.151998E-02 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2002 5 2.867229E+08 8.760402 289.3901 0 1647.309 1.316111 220 9.210401E-04 2.508095E-03 1.310293E-02 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2002 6 2.867229E+08 8.694594 273.5268 0 1635.632 1.329743 220 9.934854E-04 2.763302E-03 1.518677E-02 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2002 7 2.867229E+08 8.61305 248.403 0 1631.784 1.335498 220 1.126261E-03 3.264353E-03 1.937107E-02 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2002 8 2.867229E+08 8.460811 224.13 0 1617.332 1.379319 220 1.302187E-03 3.900135E-03 2.365499E-02 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2002 9 2.867229E+08 8.337886 201.8448 0 1595.401 1.406124 220 1.501005E-03 4.574695E-03 3.379668E-02 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2002 10 2.867229E+08 8.20193 179.7686 0 1571.636 1.436378 220 1.756432E-03 5.571696E-03 4.638498E-02 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2002 11 2.867229E+08 8.031039 153.412 0 1494.053 1.47533 220 2.140025E-03 7.347423E-03 6.746174E-02 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2003 0 2.867229E+08 7.847412 132.9053 0 1413.799 1.518364 220 2.646059E-03 9.630674E-03 1.013363 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2003 1 2.867229E+08 7.66838 114.1484 0 1351.706 1.561417 220 3.252696E-03 1.232979E-02 1.251348 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2003 2 2.867229E+08 7.533063 101.8239 0 1326.879 1.594467 220 3.796631E-03 1.526013E-02 1.504736 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2003 3 2.867229E+08 7.382211 89.41638 0 1326.386 1.633808 220 4.330363E-03 1.911548E-02 2.082122 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2003 4 2.867229E+08 7.220733 77.92399 0 1319.447 1.659996E-03 2.425109E-02 4.14005 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2003 5 2.867229E+08 7.034726 66.30416 0 1314.639 1.724402 220 6.769673E-03 3.189888E-02 6.283144 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2003 6 2.867229E+08 6.840761 56.37435 0 1310.823 1.777376 220 8.471071E-02 4.245348E-02 9.70752 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2003 7 2.867229E+08 6.399568 38.72472 0 1318.153 1.904593 220 0.014099 8.128688E-02 2.008743 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2003 8 2.867229E+08 5.777067 22.77793 0 1316.178 2.009711 220 2.896781E-03 2.05333 10.3472 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2003 9 2.867229E+08 4.668724 8.839882 0 1306.741 2.497622 220 1.043039 1.042334 126.6668 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2003 10 2.867229E+08 4.119684 0 4.738327 1295.628 1.990398 220 1.949479E-02 1.238377 4.891339 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2003 11 2.867229E+08 3.579779 0 15.15814 1238.922 2.163384 220 0.0363874 3.722334 16.41706 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2004 0 2.867229E+08 3.363246 0 24.02098 1179.073 2.239363 220 4.662797E-02 3.734386 26.36136 4.023373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2004 1 2.867229E+08 3.234044 0 31.83233 1133.333 2.286046 220 0.0542638 4.53119 35.64834 4.023373E+07 5

2003	7	2.867229E+08	4.302841	0	152.8806	1051.411	.2653344	220	.1263497	1.331015	183.7526	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2003	8	2.867229E+08	4.478093	0	161.2189	1040.821	.2373293	220	.130016	1.380446	194.2388	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2003	9	2.867229E+08	4.460501	0	167.4911	1043.026	.2380741	220	.1327164	1.417103	202.145	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2005	10	2.867229E+08	4.444206	0	173.3804	1045.28	.2386985	220	.1352099	1.431136	209.5769	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2005	11	2.867229E+08	4.435376	0	171.0283	1005.651	.2384406	220	.134218	1.437577	206.0041	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2006	0	2.867229E+08	4.460304	0	167.4215	964.4717	.2380992	220	.1326887	1.4167	202.0351	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2006	1	2.867229E+08	4.46664	0	163.231	933.7178	.2377914	220	.1317489	1.403946	199.2934	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2006	2	2.867229E+08	4.463123	0	166.4821	925.4151	.2379333	220	.1322832	1.411237	200.8705	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2006	3	2.867229E+08	4.444063	0	171.9308	953.5465	.2385423	220	.1346082	1.442308	207.7711	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2006	4	2.867229E+08	4.437465	0	175.9086	939.6802	.2389719	220	.1362685	1.463634	212.7716	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2006	5	2.867229E+08	4.426218	0	180.2041	945.3318	.2394283	220	.1380307	1.490118	218.2046	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2006	6	2.867229E+08	4.416129	0	184.0847	951.0652	.2398318	220	.1396644	1.512078	223.1174	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2006	7	2.867229E+08	4.393147	0	193.158	970.7795	.240775	220	.14348	1.564337	233.0036	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2006	8	2.867229E+08	4.37772	0	200.1848	982.9363	.2414262	220	.1460932	1.601694	243.55	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2006	9	2.867229E+08	4.366513	0	204.8378	987.0218	.2418644	220	.1479143	1.637166	249.4691	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2006	10	2.867229E+08	4.336938	0	209.0903	989.9308	.2422377	220	.1495803	1.670287	254.8838	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2006	11	2.867229E+08	4.363842	0	204.0333	996.3375	.2417898	220	.1476021	1.622786	248.4478	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2007	0	2.867229E+08	4.382328	0	197.7899	919.0939	.2411987	220	.1431511	1.38831	240.3038	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2007	1	2.867229E+08	4.3933091	0	193.4814	891.3049	.2407773	220	.1434394	1.364666	233.0333	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2007	2	2.867229E+08	4.392768	0	193.6157	884.871	.2407903	220	.143499	1.363412	233.2038	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2007	3	2.867229E+08	4.381441	0	198.3796	896.0532	.2412334	220	.145384	1.391761	241.2331	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2007	4	2.867229E+08	4.373993	0	201.3737	901.5273	.2415583	220	.146641	1.609327	245.3187	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2007	5	2.867229E+08	4.363801	0	203.1909	908.2735	.2417994	220	.1480382	1.628873	249.8675	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2007	6	2.867229E+08	4.33848	0	206.3996	914.738	.242194	220	.1492543	1.646342	254.0041	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2007	7	2.867229E+08	4.339773	0	210.325	925.0772	.2423334	220	.1523576	1.692565	264.0575	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2007	8	2.867229E+08	4.32749	0	222.7038	948.9078	.2436897	220	.1547391	1.723481	272.2833	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2007	9	2.867229E+08	4.319779	0	226.4466	954.733	.2437586	220	.1561244	1.743176	277.0559	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2007	10	2.867229E+08	4.313026	0	229.732	959.0474	.244007	220	.1571349	1.76961	281.2629	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2007	11	2.867229E+08	4.326646	0	233.1342	927.7992	.2433045	220	.1548902	1.725026	272.8017	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2008	0	2.867229E+08	4.343168	0	215.3611	892.8384	.2438237	220	.1519601	1.684118	262.8781	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2008	1	2.867229E+08	4.333399	0	209.8271	887.0806	.243523	220	.1498443	1.65428	235.8229	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2008	2	2.867229E+08	4.336476	0	209.2977	881.2181	.2432766	220	.1494604	1.631411	235.1481	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2008	3	2.867229E+08	4.346889	0	215.6484	873.0004	.2426706	220	.151308	1.674909	260.6935	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2008	4	2.867229E+08	4.340923	0	216.4007	878.9291	.2429161	220	.1523347	1.686959	264.2041	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2008	5	2.867229E+08	4.33418	0	219.5356	886.496	.2431949	220	.1533547	1.706573	268.321	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2008	6	2.867229E+08	4.328107	0	222.4358	893.4963	.2434442	220	.1546288	1.721915	271.9093	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2008	7	2.867229E+08	4.311334	0	230.4891	915.1823	.2441287	220	.1576196	1.764487	282.2039	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2008	8	2.867229E+08	4.301027	0	235.7454	929.2186	.2443636	220	.1593455	1.79202	288.9349	4.023373E+07	5.233023E+08	7.546574E+07	4.323445E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.923822E+08	0	304.8
2008	9	2.867229E+08	4																				

2005 7 2.867229E+04 4.502841 0 132.8808 1051.411 2363344 220 1263497 1.331015 183.7206 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2005 8 2.867229E+04 4.478095 0 161.2189 1040.821 2373295 220 130016 1.380446 194.2388 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2005 9 2.867229E+04 4.460351 0 167.4911 1042.826 2380471 220 1327164 1.417105 202.143 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2005 10 2.867229E+04 4.444206 0 173.3804 1043.28 2386983 220 1330999 1.431136 209.5769 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2005 11 2.867229E+04 4.440376 0 171.0363 1053.661 2394406 220 134318 1.437377 206.6041 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2006 0 2.867229E+04 4.460304 0 167.4213 964.4717 2385992 220 1326887 1.4167 202.0351 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2006 1 2.867229E+04 4.466664 0 163.231 933.7178 2377914 220 1351749 1.403946 199.2994 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2006 2 2.867229E+04 4.463125 0 166.4821 923.5151 2379333 220 1322832 1.411237 200.8705 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2006 3 2.867229E+04 4.444063 0 171.9306 935.3463 2383423 220 1346082 1.442908 207.7711 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2006 4 2.867229E+04 4.457446 0 175.9086 939.6802 2389719 220 1362683 1.463634 212.7716 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2006 5 2.867229E+04 4.426218 0 180.2041 943.5518 2394283 220 1380307 1.490118 218.2046 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2006 6 2.867229E+04 4.41629 0 184.0847 951.0632 2398318 220 139644 1.512078 223.1174 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2006 7 2.867229E+04 4.393147 0 193.458 970.7795 2407715 220 14345 1.364337 233.0036 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2006 8 2.867229E+04 4.37722 0 200.1848 982.5963 2414262 220 1460932 1.601694 243.55 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2006 9 2.867229E+04 4.366513 0 204.8378 987.0216 2418648 220 1479145 1.627166 249.4691 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2006 10 2.867229E+04 4.350938 0 209.0905 989.9208 2422377 220 1495605 1.630287 254.8838 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2006 11 2.867229E+04 4.363842 0 204.0333 936.3375 2417898 220 1476021 1.622786 248.4478 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2007 0 2.867229E+04 4.348238 0 197.7899 919.0999 2411967 220 1451511 1.58851 240.3038 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2007 1 2.867229E+04 4.393901 0 175.4814 901.5049 2407773 220 1434394 1.364666 233.0533 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2007 2 2.867229E+04 4.397268 0 193.6137 884.871 2407905 220 143493 1.363412 233.2038 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2007 3 2.867229E+04 4.381441 0 198.3796 896.0332 2412334 220 143384 1.391761 241.2551 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2007 4 2.867229E+04 4.373995 0 201.3737 901.8273 2415883 220 146661 1.609327 243.3187 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2007 5 2.867229E+04 4.363801 0 205.1309 904.2735 2418894 220 1480382 1.627889 249.8675 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2007 6 2.867229E+04 4.35848 0 208.3096 914.735 2421944 220 1492943 1.644542 254.0041 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2007 7 2.867229E+04 4.339773 0 216.936 933.6779 2426363 220 1521576 1.692365 264.8673 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2007 8 2.867229E+04 4.32749 0 222.7305 948.9078 2436493 220 1547391 1.725481 273.2839 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2007 9 2.867229E+04 4.319779 0 226.4466 954.735 2437388 220 1561244 1.743161 277.0533 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2007 10 2.867229E+04 4.313026 0 229.732 99.0474 2446087 220 1573479 1.770676 281.2629 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2007 11 2.867229E+04 4.326646 0 232.1342 927.7992 2433045 220 1548902 1.723626 272.8017 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2008 0 2.867229E+04 4.343168 0 215.3611 892.8384 2428237 220 1511960 1.684116 262.8781 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2008 1 2.867229E+04 4.335299 0 209.8271 887.0806 242323 220 1494843 1.63428 233.8229 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2008 2 2.867229E+04 4.336476 0 209.2977 861.2181 2422786 220 1496404 1.631411 233.1481 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2008 3 2.867229E+04 4.346889 0 213.6484 873.0004 2426706 220 151308 1.674909 260.6935 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2008 4 2.867229E+04 4.340923 0 216.007 878.9291 2429161 220 1523547 1.686953 264.2041 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2008 5 2.867229E+04 4.33418 0 219.3536 886.496 2431999 220 1533472 1.706573 268.231 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2008 6 2.867229E+04 4.328107 0 223.4358 895.4665 2434443 220 1546288 1.721915 271.9093 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2008 7 2.867229E+04 4.311334 0 230.4891 915.1933 2461287 220 1576196 1.764877 282.2039 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2008 8 2.867229E+04 4.301027 0 233.7454 929.2166 2463636 220 1595453 1.79022 288.9349 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2008 9 2.867229E+04 4.294792 0 236.9207 933.8399 2468422 220 1606995 1.806361 293.0034 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2008 10 2.867229E+04 4.289443 0 241.6794 941.0015 24630439 220 1616963 1.822875 294.3399 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2008 11 2.867229E+04 4.304173 0 234.1393 911.1182 2464534 220 1586663 1.789734 286.904 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2009 0 2.867229E+04 4.321722 0 225.3045 877.4917 24637078 220 1557742 1.738195 275.8309 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2009 1 2.867229E+04 4.334801 0 219.263 832.8044 24631682 220 1534369 1.703012 267.8373 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2009 2 2.867229E+04 4.336686 0 218.3781 847.7004 2463906 220 1531031 1.700283 266.7278 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2009 3 2.867229E+04 4.327974 0 222.499 839.8498 2463497 220 1546323 1.722251 271.9902 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2009 4 2.867229E+04 4.322766 0 224.9998 866.1636 24636447 220 1535864 1.733521 275.186 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2009 5 2.867229E+04 4.316762 0 227.9173 874.1006 24639126 220 1566699 1.730945 278.9164 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2009 6 2.867229E+04 4.311331 0 230.5895 881.4238 2461371 220 1576365 1.763014 282.3342 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2009 7 2.867229E+04 4.295883 0 234.8622 903.5532 24647768 220 160497 1.803657 292.2876 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2009 8 2.867229E+04 4.286317 0 243.3039 918.0223 24651737 220 1622814 1.83129 298.6236 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2009 9 2.867229E+04 4.280869 0 246.167 923.1309 24634220 1633065 1.846031 302.2966 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2009 10 2.867229E+04 4.276371 0 248.6081 930.7437 2463519 220 1641768 1.858603 303.4301 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2009 11 2.867229E+04 4.291398 0 240.3641 901.6333 24649545 220 1612939 1.817094 295.11 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2010 0 2.867229E+04 4.309703 0 231.3968 868.7678 2462045 220 1579333 1.769254 283.3672 4.025373E+07 5.235025E+06 7.346574E+07 4.325485E+06 2.486452E+06 5.932333E+06 6.930838E+07 5.230032E+07 9.140491E+06 6.92342E+06 0 304.8

2010 1 2.867229E+04 4.333295 0 224.7444 844.6883 24636428 220 1554912 1.734

2002 1. 2.867229E+04 1.773132E+14 7.871128E+13 1.582678E+13 8.930006E+14 1.079458E+12 8.257869E+13 1.953436E+09
2002 2. 2.867229E+04 2.762646E+14 7.908718E+13 1.198099E+13 8.929447E+14 1.090404E+12 8.342893E+13 2.008635E+09
2002 3. 2.867229E+04 4.149117E+14 7.999619E+13 1.237802E+13 9.002054E+14 1.123734E+12 8.304422E+13 2.099639E+09
2002 4. 2.867229E+04 5.044484E+14 8.038051E+13 1.306007E+13 9.040068E+14 1.166234E+12 8.519452E+13 2.171318E+09
2002 5. 2.867229E+04 6.877194E+14 8.170232E+13 1.330657E+13 9.062384E+14 1.205391E+12 8.729981E+13 2.257519E+09
2002 6. 2.867229E+04 1.189365E+15 8.171636E+13 1.386048E+13 9.12183E+14 1.257163E+12 8.8268E+13 2.389044E+09
2002 7. 2.867229E+04 4.358772E+12 7.238077E+13 9.34239E+12 9.34759E+12 9.34759E+12 9.34759E+12 9.776827E+08
2002 8. 2.867229E+04 8.989399E+12 7.550033E+13 6.479098E+12 9.408077E+14 9.546149E+11 7.645717E+13 1.246291E+09
2002 9. 2.867229E+04 1.839646E+13 7.73496E+13 8.186263E+12 9.439267E+14 9.546149E+11 7.645717E+13 1.246291E+09
2002 10. 2.867229E+04 5.347831E+13 7.867345E+13 9.35349E+12 9.430006E+14 8.603451E+11 8.269468E+13 1.69335E+09
2002 11. 2.867229E+04 6.412804E+13 7.822493E+13 1.043849E+13 9.251944E+14 9.342363E+11 8.27893E+13 1.810511E+09
2002 12. 2.867229E+04 1.093701E+14 7.754001E+13 1.108015E+13 9.050811E+14 9.899208E+11 8.253288E+13 1.893367E+09
2003 1. 2.867229E+04 1.775058E+14 7.71709E+13 1.138267E+13 9.814996E+14 1.034738E+12 8.257869E+13 1.965434E+09
2003 2. 2.867229E+04 2.76238E+14 7.764212E+13 1.198099E+13 9.30623E+14 1.070194E+12 8.342893E+13 2.017856E+09
2003 3. 2.867229E+04 4.149033E+14 7.866904E+13 1.257802E+13 9.862233E+14 1.123849E+12 8.304422E+13 2.108222E+09
2003 4. 2.867229E+04 6.044437E+14 7.933918E+13 9.022317E+14 1.166346E+12 8.619452E+13 2.179159E+09
2003 5. 2.867229E+04 8.577138E+14 8.000381E+13 1.330657E+13 9.04319E+14 1.205711E+12 8.729981E+13 2.24305E+09
2003 6. 2.867229E+04 1.189365E+15 8.061751E+13 1.386048E+13 9.105431E+14 1.237273E+12 8.8268E+13 2.389032E+09
2003 7. 2.867229E+04 4.353721E+12 7.164468E+13 9.34239E+12 9.304027E+14 9.307974E+11 7.114987E+13 8.843113E+08
2003 8. 2.867229E+04 8.985741E+12 7.472281E+13 6.479098E+12 9.39635E+14 9.546974E+11 7.645717E+13 1.231746E+09
2003 9. 2.867229E+04 1.839332E+13 7.679904E+13 8.186263E+12 9.42947E+14 9.347321E+11 7.799408E+13 1.49673E+09
2003 10. 2.867229E+04 5.347337E+13 7.808333E+13 9.35349E+12 9.441194E+14 9.604482E+11 8.269468E+13 1.699723E+09
2003 11. 2.867229E+04 6.412346E+13 7.770417E+13 1.043849E+13 9.244226E+14 9.343118E+11 8.27893E+13 1.813964E+09
2004 0. 2.867229E+04 1.093678E+14 7.708408E+13 1.108015E+13 9.044007E+14 9.880697E+11 8.253288E+13 1.89679E+09
2004 1. 2.867229E+04 1.775038E+14 7.676189E+13 1.138267E+13 9.808886E+14 1.034742E+12 8.257869E+13 1.96724E+09
2004 2. 2.867229E+04 2.762338E+14 7.728027E+13 1.198182E+13 9.802338E+14 1.071402E+12 8.343694E+13 2.022878E+09
2004 3. 2.867229E+04 4.149033E+14 7.83294E+13 1.258837E+13 9.87639E+14 1.124882E+12 8.306631E+13 2.112348E+09
2004 4. 2.867229E+04 6.044008E+14 7.901993E+13 1.306863E+13 9.01694E+14 1.176191E+12 8.631251E+13 2.182646E+09
2004 5. 2.867229E+04 8.577128E+14 7.97048E+13 1.331362E+13 9.060036E+14 1.2064038E+12 8.731427E+13 2.248177E+09
2004 6. 2.867229E+04 1.189358E+15 8.03231E+13 1.386633E+13 9.100302E+14 1.257862E+12 8.827966E+13 2.399798E+09
2004 7. 2.867229E+04 4.332307E+12 7.140768E+13 9.34239E+12 9.299949E+14 9.568236E+11 7.114987E+13 8.86070E+08
2004 8. 2.867229E+04 8.984788E+12 7.432439E+13 6.479098E+12 9.393089E+14 9.546179E+11 7.645717E+13 1.232278E+09
2004 9. 2.867229E+04 1.839242E+13 7.630125E+13 8.186263E+12 9.426239E+14 9.362339E+11 7.799408E+13 1.498068E+09
2004 10. 2.867229E+04 5.347478E+13 7.792917E+13 9.35349E+12 9.438448E+14 9.604635E+11 8.269468E+13 1.700833E+09
2004 11. 2.867229E+04 6.412476E+13 7.75712E+13 1.043949E+13 9.241906E+14 9.343266E+11 8.27893E+13 1.814936E+09
2005 0. 2.867229E+04 1.093678E+14 7.696323E+13 1.108033E+13 9.041942E+14 9.889478E+11 8.253288E+13 1.897665E+09
2005 1. 2.867229E+04 1.775032E+14 7.663344E+13 1.138267E+13 9.807051E+14 1.034793E+12 8.257869E+13 1.968024E+09
2005 2. 2.867229E+04 2.762338E+14 7.716344E+13 1.198099E+13 9.30083E+14 1.07024E+12 8.342893E+13 2.021237E+09
2005 3. 2.867229E+04 4.149033E+14 7.822324E+13 1.237802E+13 9.875388E+14 1.123937E+12 8.304422E+13 2.11139E+09
2005 4. 2.867229E+04 6.044405E+14 7.892221E+13 1.308007E+13 9.013913E+14 1.166403E+12 8.619452E+13 2.182122E+09
2005 5. 2.867229E+04 8.577118E+14 7.961468E+13 1.330657E+13 9.03918E+14 1.205733E+12 8.729981E+13 2.248732E+09
2005 6. 2.867229E+04 1.189358E+15 8.024832E+13 1.386048E+13 9.099622E+14 1.237512E+12 8.8268E+13 2.399376E+09
2005 7. 2.867229E+04 4.332181E+12 7.134322E+13 9.34239E+12 9.299337E+14 9.568306E+11 7.114987E+13 8.863268E+08
2005 8. 2.867229E+04 8.984431E+12 7.446972E+13 6.479098E+12 9.39237E+14 9.547251E+11 7.645717E+13 1.232062E+09
2005 9. 2.867229E+04 1.839218E+13 7.643373E+13 8.186263E+12 9.423777E+14 9.362339E+11 7.799408E+13 1.499414E+09
2005 10. 2.867229E+04 5.347436E+13 7.788757E+13 9.35349E+12 9.438132E+14 9.604687E+11 8.269468E+13 1.701157E+09
2005 11. 2.867229E+04 6.412457E+13 7.733459E+13 1.043694E+13 9.24156E+14 9.343306E+11 8.27893E+13 1.815232E+09
2006 0. 2.867229E+04 1.093678E+14 7.693093E+13 1.108015E+13 9.041633E+14 9.889862E+11 8.253288E+13 1.89790E+09
2006 1. 2.867229E+04 1.775031E+14 7.66245E+13 1.138267E+13 9.806778E+14 1.034797E+12 8.257869E+13 1.968236E+09
2006 2. 2.867229E+04 2.762335E+14 7.73663E+13 1.198099E+13 9.30036E+14 1.070244E+12 8.342893E+13 2.021453E+09
2006 3. 2.867229E+04 4.149029E+14 7.819827E+13 1.237802E+13 9.875132E+14 1.123944E+12 8.304422E+13 2.111572E+09
2006 4. 2.867229E+04 6.044404E+14 7.899886E+13 1.306075E+13 9.013893E+14 1.166408E+12 8.619452E+13 2.182292E+09
2006 5. 2.867229E+04 8.577117E+14 7.939277E+13 1.330657E+13 9.038977E+14 1.205733E+12 8.729981E+13 2.247998E+09
2006 6. 2.867229E+04 1.189358E+15 8.022764E+13 1.386048E+13 9.09936E+14 1.237512E+12 8.8268E+13 2.399768E+09
2006 7. 2.867229E+04 4.332049E+12 7.132618E+13 9.34239E+12 9.299175E+14 9.568324E+11 7.114987E+13 8.864516E+08
2006 8. 2.867229E+04 8.984338E+12 7.445321E+13 6.479098E+12 9.392432E+14 9.547271E+11 7.645717E+13 1.233731E+09
2006 9. 2.867229E+04 1.839212E+13 7.644111E+13 8.186263E+12 9.42367E+14 9.362339E+11 7.799408E+13 1.498306E+09
2006 10. 2.867229E+04 5.347431E+13 7.787627E+13 9.35349E+12 9.438044E+14 9.604709E+11 8.269468E+13 1.701234E+09
2006 11. 2.867229E+04 6.412433E+13 7.733488E+13 1.043894E+13 9.241468E+14 9.343371E+11 8.27893E+13 1.815294E+09
2007 0. 2.867229E+04 1.093699E+14 7.692234E+13 1.108015E+13 9.04137E+14 9.889748E+11 8.253288E+13 1.897963E+09
2007 1. 2.867229E+04 1.77303E+14 7.661681E+13 1.138267E+13 9.806704E+14 1.034797E+12 8.257869E+13 1.968292E+09
2007 2. 2.867229E+04 2.762335E+14 7.732935E+13 1.198099E+13 9.300329E+14 1.070244E+12 8.342893E+13 2.021304E+09
2007 3. 2.867229E+04 4.149029E+14 7.819184E+13 1.237802E+13 9.873088E+14 1.123944E+12 8.304422E+13 2.111622E+09
2007 4. 2.867229E+04 6.044048E+14 7.892663E+13 1.306075E+13 9.013833E+14 1.166408E+12 8.619452E+13 2.182339E+09
2007 5. 2.867229E+04 8.577117E+14 7.938693E+13 1.330657E+13 9.038922E+14 1.205733E+12 8.729981E+13 2.248071E+09
2007 6. 2.867229E+04 1.189358E+15 8.022213E+13 1.386048E+13 9.099314E+14 1.237512E+12 8.8268E+13 2.399766E+09
2007 7. 2.867229E+04 4.33207E+12 7.132165E+13 9.34239E+12 9.299132E+14 9.568324E+11 7.114987E+13 8.86484E+08
2007 8. 2.867229E+04 8.984338E+12 7.445133E+13 6.479098E+12 9.392396E+14 9.547276E+11 7.645717E+13 1.23376E+09
2007 9. 2.867229E+04 1.839212E+13 7.645776E+13 8.186263E+12 9.423633E+14 9.362339E+11 7.799408E+13 1.498331E+09

2011 4 2.867229E+04 4.306762 0 232.8614 854.5234 2645262 220 1584913 1.776938 285.2422 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2011 5 2.867229E+04 4.301396 0 235.5383 862.7871 2645483 220 1394774 1.791045 288.6936 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2011 6 2.867229E+04 4.296519 0 238.0369 870.3977 2645704 220 160579 1.803964 291.8706 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2011 7 2.867229E+04 4.282032 0 243.5533 892.8879 2645517 220 1630072 1.84289 301.3092 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2011 8 2.867229E+04 4.278266 0 250.2114 907.7978 2645737 220 1647463 1.868263 307.489 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2011 9 2.867229E+04 4.268706 0 252.7836 915.3312 2645942 220 1656371 1.879995 310.7939 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2011 10 2.867229E+04 4.264534 0 254.9366 921.5724 2646077 220 1664148 1.890963 313.3602 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2011 11 2.867229E+04 4.260402 0 246.414 892.9758 2645454 220 1633944 1.847322 302.6136 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2011 12 2.867229E+04 4.259899 0 236.7787 860.7986 2646481 220 1599218 1.79741 290.1386 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2012 1 2.867229E+04 4.2513029 0 229.7309 837.2737 2646069 220 1573744 1.760604 281.2614 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2012 2 2.867229E+04 4.2515763 0 228.4068 832.6318 2639539 220 1568309 1.733524 279.342 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2012 3 2.867229E+04 4.267953 0 232.262 845.1553 2642764 220 1582714 1.773793 284.4749 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2012 4 2.867229E+04 4.260338 0 234.4784 851.8836 2644396 220 1590831 1.783401 287.3124 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2012 5 2.867229E+04 4.259303 0 237.1267 860.2106 2646764 220 1600484 1.799224 290.7044 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2012 6 2.867229E+04 4.259343 0 239.5623 867.876 2648739 220 1609318 1.811895 295.8238 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2012 7 2.867229E+04 4.279246 0 247.0261 890.437 2646474 220 1636133 1.830473 303.9994 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2012 8 2.867229E+04 4.270649 0 251.6258 905.4605 264823 220 1625473 1.874066 309.3038 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2012 9 2.867229E+04 4.266014 0 234.1412 913.0908 2648018 220 166135 1.888909 312.5378 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2012 10 2.867229E+04 4.262195 0 236.2328 919.2303 2661771 220 16687 1.89736 315.2264 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2012 11 2.867229E+04 4.278142 0 247.6121 890.9937 2653133 220 1636222 1.853486 304.1513 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2013 0 2.867229E+04 4.259624 0 237.881 858.9769 2647378 220 1603234 1.803132 291.471 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2013 1 2.867229E+04 4.261094 0 230.7763 833.381 2641527 220 1577212 1.765995 282.3732 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2013 2 2.867229E+04 4.261867 0 229.4362 831.1579 2646403 220 1572513 1.759848 280.8389 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2013 3 2.867229E+04 4.261867 0 233.27 843.7369 26436 220 158641 1.779078 285.7632 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2013 4 2.867229E+04 4.261867 0 233.4603 850.5172 2645403 220 1594416 1.790335 288.3699 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2013 5 2.867229E+04 4.264246 0 238.0844 858.8914 2647343 220 1603963 1.804211 291.9315 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2013 6 2.867229E+04 4.261724 0 240.4989 866.2999 2644993 220 1612704 1.816736 295.0264 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2013 7 2.867229E+04 4.277343 0 247.9303 869.2213 2655382 220 1639357 1.833122 304.3603 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2013 8 2.867229E+04 4.268043 0 252.4942 904.277 2653918 220 1653342 1.878305 310.4216 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2013 9 2.867229E+04 4.264491 0 234.9736 911.9367 2660815 220 1664278 1.891151 313.6074 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2013 10 2.867229E+04 4.260749 0 237.0287 818.1438 2662374 220 1671491 1.901608 316.2498 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2013 11 2.867229E+04 4.27676 0 248.3478 889.9913 2653708 220 1640042 1.872623 305.0939 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2014 0 2.867229E+04 4.26555 0 238.5759 838.5477 2647927 220 160368 1.806575 292.5384 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2014 1 2.867229E+04 4.269684 0 231.406 834.7231 2643033 220 157937 1.769904 285.3793 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2014 2 2.867229E+04 4.261241 0 230.041 840.8339 2646913 220 1574344 1.76213 281.6325 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2014 3 2.867229E+04 4.260477 0 233.6391 842.9543 2644086 220 1588396 1.782161 286.5192 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2014 4 2.867229E+04 4.26046 0 236.0324 849.7377 2645871 220 1596301 1.795318 289.3026 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2014 5 2.867229E+04 4.265339 0 238.6404 858.1338 2647994 220 1603979 1.807104 292.6442 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2014 6 2.867229E+04 4.260676 0 241.0408 865.8615 2649928 220 1614639 1.819566 295.721 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2014 7 2.867229E+04 4.276361 0 248.4338 888.3085 2653791 220 1641219 1.85781 303.322 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2014 8 2.867229E+04 4.268117 0 252.9967 905.2923 2653904 220 1657315 1.89107 311.0669 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2014 9 2.867229E+04 4.263611 0 253.4332 911.3005 2661181 220 1663971 1.893604 314.2268 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2014 10 2.867229E+04 4.259915 0 237.4892 917.5184 2662722 220 1673103 1.903944 316.8419 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2014 11 2.867229E+04 4.272661 0 248.7733 889.4113 2656904 220 1642337 1.839451 295.6423 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2015 0 2.867229E+04 4.264736 0 238.9495 857.3211 2648244 220 1607099 1.808711 293.0403 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2015 1 2.867229E+04 4.260491 0 231.7702 834.2267 2642336 220 1580909 1.771216 289.8435 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2015 2 2.867229E+04 4.261173 0 230.3909 829.8372 2641205 220 1573463 1.76397 282.0801 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2015 3 2.867229E+04 4.260491 0 234.1999 842.47 2644367 220 1589614 1.783945 286.9359 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2015 4 2.867229E+04 4.269807 0 236.3634 849.2867 2646143 220 1597707 1.793246 289.7267 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2015 5 2.867229E+04 4.264712 0 238.9621 857.6955 2648234 220 1607144 1.809676 293.0363 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2015 6 2.867229E+04 4.26007 0 241.3544 863.4343 2650179 220 1615791 1.821191 296.1232 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2015 7 2.867229E+04 4.273993 0 248.7365 888.0961 2653627 220 1642296 1.839364 305.6206 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2015 8 2.867229E+04 4.267382 0 233.2874 903.1962 2653927 220 1638341 1.882353 311.4407 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2015 9 2.867229E+04 4.265103 0 253.7338 910.9204 2661399 220 1669498 1.895022 314.3649 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2015 10 2.867229E+04 4.259433 0 237.7336 917.1533 2662922 220 1674033 1.903298 317.1847 4.025373E+07 5.253025E+04 7.546574E+07 4.525485E+04 2.486452E+04 5.932333E+04 6.930838E+07 5.250032E+07 9.140491E+04 6.92342E+04 0 304.8
2015 11 2.

2017 1	2.867229E+04	4.308359	0	232.0631	833.6531	2642601	220	1.581991	1.772763	284.2227	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2017 2	2.867229E+04	4.311116	0	230.674	829.3062	2641443	220	1.576877	1.765439	282.4427	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2017 3	2.867229E+04	4.303544	0	234.4736	841.9533	2644594	220	1.590821	1.783586	287.0087	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2017 4	2.867229E+04	4.299879	0	236.6312	848.7636	264636	220	1.598662	1.796641	290.0696	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2017 5	2.867229E+04	4.294204	0	239.2223	857.1189	2648464	220	1.608088	1.810113	293.3903	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2017 6	2.867229E+04	4.28958	0	241.6081	864.9406	2650383	220	1.616706	1.822306	296.4486	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2017 7	2.867229E+04	4.273534	0	249.0013	887.6193	2656218	220	1.643168	1.860622	303.5333	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2017 8	2.867229E+04	4.267149	0	253.3227	902.7385	2659707	220	1.659171	1.883733	311.743	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2017 9	2.867229E+04	4.262692	0	255.9393	910.4821	2661364	220	1.66774	1.896168	314.8747	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2017 10	2.867229E+04	4.259044	0	257.9713	916.736	2663085	220	1.674789	1.906392	317.4619	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2017 11	2.867229E+04	4.273127	0	249.2191	888.688	2636587	220	1.643941	1.861738	306.2148	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2018 0	2.867229E+04	4.279397	0	239.3394	836.8337	2648375	220	1.608383	1.810841	293.3637	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2018 1	2.867229E+04	4.308185	0	232.1516	833.6077	2642673	220	1.582309	1.773216	284.3334	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2018 2	2.867229E+04	4.310993	0	230.7372	829.2626	2641511	220	1.577182	1.765389	282.5487	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2018 3	2.867229E+04	4.303382	0	234.5366	841.8908	2644661	220	1.591117	1.78381	287.4126	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2018 4	2.867229E+04	4.299124	0	236.7099	848.7348	2646423	220	1.598968	1.797052	290.1704	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2018 5	2.867229E+04	4.294055	0	239.2969	857.1488	2648326	220	1.608365	1.810527	293.4882	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2018 6	2.867229E+04	4.289436	0	241.6826	864.9013	2650442	220	1.616974	1.822892	296.344	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2018 7	2.867229E+04	4.2734	0	249.0734	887.3815	2656274	220	1.643423	1.860591	306.0278	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2018 8	2.867229E+04	4.267023	0	255.9918	902.7022	2659796	220	1.659414	1.884107	311.8316	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2018 9	2.867229E+04	4.262372	0	236.0233	830.4473	2646164	220	1.607973	1.806306	314.9399	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2018 10	2.867229E+04	4.258729	0	238.0343	816.7026	26561133	220	1.673011	1.906713	317.3434	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2018 11	2.867229E+04	4.273018	0	249.2776	888.6572	2656352	220	1.644148	1.862038	306.2897	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2019 0	2.867229E+04	4.293432	0	239.4133	836.8788	2648619	220	1.608779	1.811221	293.6348	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2019 1	2.867229E+04	4.308084	0	232.2017	833.3013	2642714	220	1.582495	1.773479	284.3976	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2019 2	2.867229E+04	4.310893	0	230.8033	829.2372	2641331	220	1.577339	1.766148	282.6103	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2019 3	2.867229E+04	4.303289	0	234.6033	841.8663	2644669	220	1.591288	1.786055	287.4723	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2019 4	2.867229E+04	4.299033	0	236.7334	848.7004	2646462	220	1.599134	1.797289	290.2288	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2019 5	2.867229E+04	4.293969	0	239.3431	837.1233	2644362	220	1.608524	1.810736	293.5447	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2019 6	2.867229E+04	4.289133	0	241.7237	864.8788	2650476	220	1.617129	1.823115	296.3992	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2019 7	2.867229E+04	4.273322	0	249.1151	887.1596	2658308	220	1.643371	1.861304	306.0812	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2019 8	2.867229E+04	4.266949	0	253.6317	902.6811	2659791	220	1.659555	1.884311	311.883	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2019 9	2.867229E+04	4.262302	0	236.0638	830.4271	2646163	220	1.608108	1.806702	315.0094	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2019 10	2.867229E+04	4.258863	0	236.0712	830.6033	2656316	220	1.673138	1.906988	317.3903	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2019 11	2.867229E+04	4.271493	0	249.3114	888.6393	2656439	220	1.644269	1.862212	306.3333	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2020 0	2.867229E+04	4.293772	0	239.4444	836.8109	2648644	220	1.608891	1.811283	293.6747	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2020 1	2.867229E+04	4.308026	0	232.2037	833.366	2642739	220	1.582399	1.773631	284.4347	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2020 2	2.867229E+04	4.310936	0	230.7832	829.0738	2641533	220	1.577283	1.766642	282.5487	4.025373E+07	5.253025E+06	7.546574E+07	4.523485E+06	2.486452E+06	5.932333E+06	6.930838E+07	5.253032E+07	9.140491E+06	6.92342E+06	0	304.8
2020 3	2.867229E+04	4.303339	0	234.5788	841.8896	2644679	220	1.591198	1.783926	287.4048	4.025373E+07	5.253025E+06</										

2022 10	2.867229E+08	4.238819	0	238.0936	916.6113	.2663178	220	.1673224	1.907023	317.6319	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2022 11	2.867229E+08	4.237413	0	249.334	888.5728	.2636476	220	.1644349	1.862327	306.3622	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2023 0	2.867229E+08	4.2393731	0	239.4632	836.7497	.2644735	220	.1608967	1.811391	293.7014	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2023 1	2.867229E+08	4.239798	0	232.25	835.3091	.2642735	220	.156267	1.773732	284.4393	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2023 2	2.867229E+08	4.231002	0	230.8316	829.1679	.2641391	220	.137733	1.766392	282.6699	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2023 3	2.867229E+08	4.23032	0	234.6447	841.7986	.2644736	220	.1591433	1.765291	287.3303	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2023 4	2.867229E+08	4.230848	0	236.7992	848.6317	.2646497	220	.1399293	1.797318	290.285	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2023 5	2.867229E+08	4.230846	0	239.3858	837.0518	.2648796	220	.1608878	1.810977	293.3993	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2023 6	2.867229E+08	4.2389273	0	241.7673	864.8166	.263031	220	.1617279	1.82333	296.6523	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2023 7	2.867229E+08	4.237247	0	249.1332	887.4996	.2636397	220	.1643713	1.861341	306.1326	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2023 8	2.867229E+08	4.236878	0	233.6703	862.6234	.263982	220	.1639891	1.884306	311.9327	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2023 9	2.867229E+08	4.262435	0	236.1007	910.3719	.2661671	220	.1688237	1.896488	315.0366	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2023 10	2.867229E+08	4.2358	0	238.1065	916.6303	.2663187	220	.1673262	1.907078	317.6358	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2023 11	2.867229E+08	4.2374894	0	249.3441	888.3966	.2636484	220	.1644385	1.862379	306.3732	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2024 0	2.867229E+08	4.235714	0	239.4744	836.766	.2648688	220	.1640989	1.811438	293.713	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2024 1	2.867229E+08	4.307971	0	232.2586	835.3242	.2642762	220	.1362701	1.773777	284.4703	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2024 2	2.867229E+08	4.310882	0	230.812	829.0738	.2641337	220	.1377384	1.766184	282.6191	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2024 3	2.867229E+08	4.303287	0	234.6049	841.6306	.26447	220	.1391293	1.788063	287.4743	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2024 4	2.867229E+08	4.299038	0	236.7338	848.4811	.2644641	220	.1399127	1.79728	290.2266	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2024 5	2.867229E+08	4.293979	0	239.3383	836.3022	.2648358	220	.1608306	1.81073	293.3884	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2024 6	2.867229E+08	4.289368	0	241.7118	864.6513	.263047	220	.1617102	1.823073	296.3804	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2024 7	2.867229E+08	4.2375336	0	249.1076	887.34	.26363	220	.1643844	1.861163	306.0714	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2024 8	2.867229E+08	4.236963	0	233.6246	902.4702	.2639783	220	.1639329	1.884274	311.8737	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2024 9	2.867229E+08	4.262313	0	236.0369	910.223	.2681608	220	.1688804	1.896666	315.0003	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2024 10	2.867229E+08	4.238873	0	238.0646	916.4901	.2663125	220	.1673113	1.906863	317.3818	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2024 11	2.867229E+08	4.274966	0	249.3033	888.4866	.2636434	220	.1644347	1.86218	306.3234	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2025 0	2.867229E+08	4.293783	0	239.4388	836.6466	.2648839	220	.1608871	1.811233	293.6074	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2025 1	2.867229E+08	4.308037	0	232.2235	833.4313	.2642734	220	.138238	1.777604	284.4828	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2025 2	2.867229E+08	4.310849	0	230.8281	829.0738	.2641371	220	.1377443	1.766268	282.6386	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2025 3	2.867229E+08	4.303245	0	234.6237	841.7089	.2644718	220	.139137	1.786172	287.3011	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2025 4	2.867229E+08	4.298992	0	236.777	848.3476	.2646479	220	.1399212	1.797402	290.2364	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2025 5	2.867229E+08	4.293928	0	239.3641	836.3771	.2644839	220	.16086	1.810863	293.3717	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2025 6	2.867229E+08	4.289314	0	241.7462	864.7934	.2630493	220	.1617305	1.823211	296.6235	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2025 7	2.867229E+08	4.273283	0	249.1348	887.4199	.2636322	220	.1643842	1.861306	306.1067	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2025 8	2.867229E+08	4.266914	0	233.6307	902.5469	.2639805	220	.1639622	1.884408	311.9073	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2025 9	2.867229E+08	4.262469	0	236.082	910.2283	.2661637	220	.1688173	1.896793	315.0337	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2025 10	2.867229E+08	4.236832	0	238.0886	916.3804	.2663173	220	.1673199	1.906987	317.6127	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2025 11	2.867229E+08	4.274923	0	249.3373	888.3338	.2636471	220	.1644326	1.862294	306.3339	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08	5.932333E+08	6.930838E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2026 0	2.867229E+08	4.293743	0	239.4392	836.7064	.2648633	220	.1608944	1.811339	293.6933	4.023373E+07	5.233023E+08	7.546374E+07	4.323483E+08	2.486432E+08							

2028 7	2.867229E+04	4.273331	0	249.1102	887.3862	2636302	220	1643354	1.851179	306.075	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2028 8	2.867229E+04	4.266938	0	233.6371	902.4666	2639787	220	1639338	1.884387	311.877	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2028 9	2.867229E+04	4.26251	0	236.0394	910.2215	266164	220	1668092	1.896678	315.0034	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2028 10	2.867229E+04	4.258871	0	238.0669	916.4867	2663137	220	1675123	1.906877	317.5848	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2028 11	2.867229E+04	4.274962	0	249.3075	888.4376	2636455	220	1644254	1.862191	306.3281	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2029 0	2.867229E+04	4.293779	0	239.4408	836.6437	2648861	220	1608878	1.811263	293.67	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2029 1	2.867229E+04	4.308053	0	232.2273	833.4102	2643736	220	1582585	1.773632	284.4301	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2029 2	2.867229E+04	4.310846	0	230.8298	829.0732	2641572	220	157745	1.766277	282.6418	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2029 3	2.867229E+04	4.303242	0	234.6274	841.7064	2644719	220	1591376	1.786181	287.3032	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2029 4	2.867229E+04	4.298989	0	236.7786	848.5432	2646461	220	1599218	1.79741	290.2386	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2029 5	2.867229E+04	4.293925	0	239.3637	836.9747	2648438	220	1608806	1.810873	293.3736	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2029 6	2.867229E+04	4.289311	0	241.7477	864.7318	2630494	220	1617208	1.823228	296.6274	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2029 7	2.867229E+04	4.273282	0	249.1363	887.4177	2636322	220	1643646	1.851513	306.1083	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2029 8	2.867229E+04	4.266911	0	233.6322	902.3649	2639806	220	1639627	1.884416	311.9093	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2029 9	2.867229E+04	4.262466	0	236.0854	910.3963	2661638	220	1668176	1.8968	315.0343	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2029 10	2.867229E+04	4.25883	0	238.0699	916.5382	2663174	220	1675204	1.906993	317.6144	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2029 11	2.867229E+04	4.274922	0	249.3287	888.5239	2636472	220	164433	1.862301	306.3536	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2030 0	2.867229E+04	4.293741	0	239.4603	836.7047	2648836	220	1608849	1.811363	293.6951	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2030 1	2.867229E+04	4.307997	0	232.2433	833.4677	2642751	220	1582633	1.773708	284.4336	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2030 2	2.867229E+04	4.310811	0	230.8473	829.1277	2641587	220	1577514	1.766399	282.6641	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2030 3	2.867229E+04	4.303208	0	234.6444	841.7394	2644733	220	1591438	1.78627	287.3231	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2030 4	2.867229E+04	4.298936	0	236.7931	848.5967	2646494	220	1599278	1.797498	290.2797	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2030 5	2.867229E+04	4.293894	0	239.3818	837.6248	2648393	220	1608864	1.810937	293.3943	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2030 6	2.867229E+04	4.289238	0	241.7634	864.7806	2630307	220	1617265	1.82331	296.6478	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2030 7	2.867229E+04	4.273234	0	249.1314	887.4666	2636334	220	1643701	1.851291	306.128	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2030 8	2.867229E+04	4.266883	0	233.6667	902.3901	2639817	220	1639878	1.88449	311.928	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2030 9	2.867229E+04	4.262441	0	236.0973	910.3994	2661689	220	1668223	1.896871	315.0322	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2030 10	2.867229E+04	4.258803	0	236.1032	916.5999	2663184	220	1675251	1.907062	317.6317	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2030 11	2.867229E+04	4.273489	0	249.341	888.5233	2636482	220	1644374	1.862363	306.3713	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2031 0	2.867229E+04	4.293719	0	239.4716	836.74	2648866	220	1608899	1.811424	293.7096	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2031 1	2.867229E+04	4.307973	0	232.2326	833.5001	264276	220	1582692	1.773764	284.4673	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2031 2	2.867229E+04	4.310799	0	230.8374	829.1392	2641585	220	1577531	1.766422	282.6771	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2031 3	2.867229E+04	4.303138	0	234.6343	841.7901	2644741	220	1591474	1.786331	287.3377	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2031 4	2.867229E+04	4.298937	0	236.8047	848.6265	2646302	220	1599313	1.797347	290.2921	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2031 5	2.867229E+04	4.293876	0	239.3911	837.6238	264646	220	1608898	1.811035	293.6862	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2031 6	2.867229E+04	4.289263	0	241.7725	864.8088	2630314	220	1617398	1.823357	296.6392	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2031 7	2.867229E+04	4.273238	0	249.1602	887.4921	2636341	220	1643731	1.851496	306.1391	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2031 8	2.867229E+04	4.26687	0	233.6751	902.6163	2639824	220	1639908	1.884332	311.9387	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2031 9	2.867229E+04	4.262426	0	238.1034	910.3651	2661673	220	1668235	1.896912	315.0626	4.023373E+07	5.233023E+06	7.546574E+07	4.323483E+06	2.486432E+06							

2034 4 2.067229E+08 4.298936 0 236.7932 848.3966 2646494 220 1.999278 1.797496 290.2797 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2034 5 2.067229E+08 4.298936 0 236.7932 848.3966 2646494 220 1.999278 1.797496 290.2797 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2034 6 2.067229E+08 4.298936 0 241.7635 864.7803 2630307 220 1.617265 1.82331 296.6478 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2034 7 2.067229E+08 4.298936 0 249.1516 887.4647 2636334 220 1.643701 1.861391 306.128 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2034 8 2.067229E+08 4.298936 0 253.6668 902.39 2639818 220 1.659679 1.884491 311.9283 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2034 9 2.067229E+08 4.298936 0 256.0974 910.3397 2651669 220 1.668226 1.896872 315.0525 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2034 10 2.067229E+08 4.298936 0 258.1033 916.3998 2663184 220 1.673251 1.907062 317.6317 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2034 11 2.067229E+08 4.298936 0 249.3411 888.3622 2636482 220 1.644374 1.862363 306.3713 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2035 0 2.067229E+08 4.2993719 0 239.4717 836.7399 2644666 220 1.60899 1.811424 293.7096 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2035 1 2.067229E+08 4.307975 0 232.2361 833.5264276 220 1.582692 1.777664 284.4673 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2035 2 2.067229E+08 4.31079 0 230.8375 829.1591 2641393 220 1.577351 1.766422 282.6771 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2035 3 2.067229E+08 4.30318 0 234.6344 841.79 2644741 220 1.591474 1.786321 287.5377 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2035 4 2.067229E+08 4.298937 0 236.8048 848.6264 2646302 220 1.599313 1.797347 290.2921 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2035 5 2.067229E+08 4.293476 0 239.3911 837.0337 264486 220 1.608098 1.811005 293.6062 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2035 6 2.067229E+08 4.289263 0 241.7723 864.8088 2630314 220 1.617298 1.823357 296.6592 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2035 7 2.067229E+08 4.273238 0 249.1602 887.4921 2636341 220 1.643731 1.861346 306.1391 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2035 8 2.067229E+08 4.266869 0 233.6732 902.6162 2639824 220 1.659708 1.884334 311.9399 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2035 9 2.067229E+08 4.262426 0 236.1034 910.3649 2651675 220 1.668234 1.896912 315.0626 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2035 10 2.067229E+08 4.258791 0 238.1109 916.6238 266319 220 1.673278 1.9071 317.6416 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2035 11 2.067229E+08 4.274886 0 249.3442 888.3844 2636487 220 1.644399 1.8624 306.3803 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2036 0 2.067229E+08 4.293706 0 239.4782 836.7603 2644871 220 1.609014 1.811438 293.718 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2036 1 2.067229E+08 4.307963 0 232.2621 833.519 2642764 220 1.582714 1.773793 284.4749 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2036 2 2.067229E+08 4.310875 0 230.8134 829.0286 264136 220 1.577397 1.766201 282.6333 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2036 3 2.067229E+08 4.30328 0 234.6082 841.6436 2644703 220 1.591306 1.786208 287.4786 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2036 4 2.067229E+08 4.299031 0 236.737 848.4771 2646463 220 1.59914 1.797298 290.231 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2036 5 2.067229E+08 4.293972 0 239.3414 836.8975 2644836 220 1.608158 1.810747 293.5425 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2036 6 2.067229E+08 4.289362 0 241.721 864.6468 2630473 220 1.617112 1.82309 296.3932 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2036 7 2.067229E+08 4.274886 0 249.1103 887.3357 2636302 220 1.643533 1.861181 306.3705 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2036 8 2.067229E+08 4.266937 0 233.6274 902.6467 2639807 220 1.659339 1.884289 311.9773 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2036 9 2.067229E+08 4.26231 0 236.0396 910.2209 2651664 220 1.668093 1.896679 315.0037 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2036 10 2.067229E+08 4.258871 0 238.0672 864.8882 2630317 220 1.673124 1.906878 317.5832 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2036 11 2.067229E+08 4.274962 0 249.3077 836.7396 2644636 220 1.644253 1.862192 306.3284 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2037 0 2.067229E+08 4.293738 0 239.441 836.6433 2644861 220 1.608879 1.811265 293.6703 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2037 1 2.067229E+08 4.308033 0 232.2273 833.4101 2642736 220 1.582568 1.773615 284.4307 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2037 2 2.067229E+08 4.310845 0 230.83 829.0728 2641372 220 1.57745 1.766278 282.6421 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2037 3 2.067229E+08 4.303241 0 234.6276 841.706 2644719 220 1.591377 1.786182 287.3035 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2037 4 2.067229E+08 4.298908 0 236.7780 848.3448 2644841 220 1.599219 1.797412 290.2389 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2037 5 2.067229E+08 4.299923 0 239.3659 836.9744 2644838 220 1.608067 1.810833 293.5799 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2037 6 2.067229E+08 4.28931 0 241.7479 864.7314 2630494 220 1.617299 1.82323 296.6278 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2037 7 2.067229E+08 4.273282 0 249.1363 887.4174 2636323 220 1.643467 1.861314 306.1087 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2037 8 2.067229E+08 4.266911 0 233.6323 902.5445 2639807 220 1.659628 1.884417 311.9097 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2037 9 2.067229E+08 4.262466 0 236.0833 910.2961 2651638 220 1.668177 1.896802 315.0347 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2037 10 2.067229E+08 4.258829 0 238.0901 864.8174 2630314 220 1.673205 1.906995 317.6147 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2037 11 2.067229E+08 4.274922 0 249.3289 836.7396 2644636 220 1.64433 1.862301 306.3336 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2038 0 2.067229E+08 4.293741 0 239.4604 836.7396 2644636 220 1.608949 1.811363 293.6951 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2038 1 2.067229E+08 4.307996 0 232.3436 833.467 2642751 220 1.582654 1.77371 284.4339 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2038 2 2.067229E+08 4.31081 0 230.8474 829.1275 2641387 220 1.577315 1.76637 282.6644 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2038 3 2.067229E+08 4.303208 0 234.6445 841.7392 2644733 220 1.591438 1.78627 287.3251 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2038 4 2.067229E+08 4.298936 0 236.7932 848.3963 2646494 220 1.999278 1.797496 290.2797 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2038 5 2.067229E+08 4.293894 0 239.3819 837.0246 2644893 220 1.608664 1.810957 293.5943 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2038 6 2.067229E+08 4.28928 0 241.7633 864.7804 2630307 220 1.617265 1.82331 296.6478 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2038 7 2.067229E+08 4.273234 0 249.1516 887.4647 2636334 220 1.643701 1.861391 306.128 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2038 8 2.067229E+08 4.266884 0 233.6668 902.3899 2639818 220 1.659679 1.884491 311.9283 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2038 9 2.067229E+08 4.262441 0 236.0974 910.3397 2651669 220 1.668226 1.896872 315.0525 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8
2038 10 2.067229E+08 4.258803 0 258.1033 916.3998 2663184 220 1.673251 1.907062 317.6317 4.025373E+07 5.235025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930838E+07 5.230032E+0

2040 1	2.867229E+04	4.307963	0	232.2621	833.519	2642764	220	1.582714	1.773795	284.4749	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2040 2	2.867229E+04	4.310875	0	230.8154	829.0286	264136	220	1.577397	1.766201	282.6233	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2040 3	2.867229E+04	4.30328	0	234.6082	841.6436	2644703	220	1.591306	1.786808	287.4786	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2040 4	2.867229E+04	4.299031	0	236.737	848.4771	2644663	220	1.59914	1.797298	290.231	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2040 5	2.867229E+04	4.299772	0	239.3414	836.8975	2644836	220	1.608318	1.810747	293.5423	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2040 6	2.867229E+04	4.289362	0	241.721	846.6468	2630473	220	1.617112	1.82309	296.3932	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2040 7	2.867229E+04	4.273331	0	249.1105	887.3357	2636302	220	1.643555	1.861181	306.0753	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2040 8	2.867229E+04	4.266957	0	233.6274	902.466	2639787	220	1.639539	1.884289	311.8773	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2040 9	2.867229E+04	4.26231	0	236.0396	910.2209	266164	220	1.668095	1.896679	315.0037	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2040 10	2.867229E+04	4.258871	0	238.0672	916.4862	2663157	220	1.675124	1.906878	317.3832	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2040 11	2.867229E+04	4.274962	0	249.3077	888.4572	2636436	220	1.644235	1.862192	306.3284	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2041 0	2.867229E+04	4.293778	0	239.441	836.6453	2648641	220	1.608879	1.811363	293.6703	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2041 1	2.867229E+04	4.308093	0	232.2275	833.4101	2642736	220	1.582388	1.773615	284.4307	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2041 2	2.867229E+04	4.310843	0	230.83	829.0728	2641372	220	1.57745	1.766278	282.6421	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2041 3	2.867229E+04	4.303241	0	234.6276	841.706	2644719	220	1.591377	1.786182	287.3035	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2041 4	2.867229E+04	4.298988	0	236.7788	848.5448	2646481	220	1.599219	1.797412	290.2389	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2041 5	2.867229E+04	4.299923	0	239.3639	836.9744	2644838	220	1.608807	1.810874	293.5739	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2041 6	2.867229E+04	4.28931	0	241.7479	864.7314	2630494	220	1.617029	1.82323	296.6278	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2041 7	2.867229E+04	4.273282	0	249.1365	887.4174	2636323	220	1.643647	1.861314	306.1087	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2041 8	2.867229E+04	4.266911	0	233.6293	902.5445	2639807	220	1.639628	1.884417	311.9097	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2041 9	2.867229E+04	4.262466	0	236.0393	910.2961	2661658	220	1.668177	1.896802	315.0347	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2041 10	2.867229E+04	4.258829	0	238.0901	916.5381	2663174	220	1.675205	1.906995	317.6147	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2041 11	2.867229E+04	4.274922	0	249.3289	888.5236	2636472	220	1.64435	1.862301	306.5336	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2042 0	2.867229E+04	4.293741	0	239.4804	836.7045	2648636	220	1.608949	1.811363	293.6931	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2042 1	2.867229E+04	4.307996	0	232.2436	833.467	2642731	220	1.582634	1.77371	284.4339	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2042 2	2.867229E+04	4.31081	0	230.8474	829.1275	2641387	220	1.577515	1.766237	282.6444	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2042 3	2.867229E+04	4.303208	0	234.6445	841.7392	2644733	220	1.591438	1.786257	287.3231	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2042 4	2.867229E+04	4.298936	0	236.7932	848.5965	2646494	220	1.599278	1.797496	290.2797	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2042 5	2.867229E+04	4.293804	0	239.3819	837.0246	2646393	220	1.608654	1.810937	293.5943	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2042 6	2.867229E+04	4.28928	0	241.7833	864.7804	2630307	220	1.617265	1.82331	296.6478	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2042 7	2.867229E+04	4.273254	0	249.1516	887.4647	2636334	220	1.643701	1.861391	306.128	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2042 8	2.867229E+04	4.266884	0	233.6668	902.5899	2639818	220	1.639679	1.88491	311.9283	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2042 9	2.867229E+04	4.262441	0	236.0974	910.3397	2661689	220	1.668226	1.896872	315.0523	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2042 10	2.867229E+04	4.258803	0	238.1093	916.5998	2663184	220	1.675251	1.907062	317.6317	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2042 11	2.867229E+04	4.274899	0	249.3411	888.3622	2636482	220	1.644374	1.862363	306.5731	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2043 0	2.867229E+04	4.293719	0	239.4717	836.7399	2648666	220	1.60899	1.811424	293.7096	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2043 1	2.867229E+04	4.307975	0	232.2361	833.5264776	2642764	220	1.582692	1.773764	284.4673	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2043 2	2.867229E+04	4.310779	0	230.8375	829.1391	2641393	220	1.577531	1.766422	282.6771	4.023573E+07	5.235025E+06	7.346574E+07	4.323483E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+06	6.92382E+06	0	304.8
2043 3	2.867229E+04	4.303188	0	234.6344	841.739	2644741	220	1.591474	1.786321	287.3377	4.023573E+07	5.235025E+06	7.346574E									

2045 10 2. 067229E+08 4.258829 0 258.0901 916.5581 .2665174 220 .1675205 1.906995 317.6147 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2045 11 2. 067229E+08 4.274922 0 249.3289 888.5236 .2656472 220 .164433 1.862301 306.2536 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2046 0 2. 067229E+08 4.293741 0 259.4004 836.7043 .2648656 220 .1608949 1.811363 299.6551 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2046 1 2. 067229E+08 4.307996 0 232.2436 833.467 .2642751 220 .1582654 1.77371 284.4599 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2046 2 2. 067229E+08 4.31081 0 230.8474 829.1275 .2641587 220 .1777515 1.76637 282.6644 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2046 3 2. 067229E+08 4.303208 0 234.6445 841.7592 .2644733 220 .1591438 1.78627 287.5251 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2046 4 2. 067229E+08 4.298956 0 236.7952 848.5965 .2646494 220 .1599278 1.797496 290.2797 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2046 5 2. 067229E+08 4.295894 0 239.3819 837.0246 .2648359 220 .1608664 1.81037 293.5943 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2046 6 2. 067229E+08 4.28928 0 241.7633 854.7804 .2650307 220 .1617263 1.82331 296.6478 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2046 7 2. 067229E+08 4.275254 0 249.1516 887.4647 .2656334 220 .1645701 1.861391 306.128 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2046 8 2. 067229E+08 4.266884 0 253.6668 902.5899 .2659818 220 .1639679 1.884491 311.9283 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2046 9 2. 067229E+08 4.262441 0 236.0974 910.3397 .2661669 220 .1668226 1.896872 315.0323 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2046 10 2. 067229E+08 4.258805 0 258.1033 916.5998 .2663184 220 .1675251 1.907062 317.6317 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2046 11 2. 067229E+08 4.274899 0 249.3411 888.5622 .2656482 220 .1644374 1.862363 306.5713 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2047 0 2. 067229E+08 4.293719 0 239.4717 836.7399 .2648666 220 .160899 1.811424 293.7096 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2047 1 2. 067229E+08 4.307975 0 232.2361 833.5264276 220 .1582692 1.775764 284.4673 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2047 2 2. 067229E+08 4.31079 0 230.8573 829.1591 .2641595 220 .1777531 1.766422 282.6771 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2047 3 2. 067229E+08 4.303188 0 234.6544 841.7592 .2644741 220 .1591474 1.786321 287.5377 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2047 4 2. 067229E+08 4.298957 0 236.8048 848.6264 .2646302 220 .1599513 1.797547 290.2921 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2047 5 2. 067229E+08 4.293876 0 239.3911 837.0337 .26486 220 .1608698 1.811003 293.6063 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2047 6 2. 067229E+08 4.289263 0 241.7723 864.8088 .2650514 220 .1617298 1.823357 296.6592 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2047 7 2. 067229E+08 4.275258 0 249.1602 887.4921 .2656341 220 .1645731 1.861436 306.1391 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2047 8 2. 067229E+08 4.266869 0 253.6732 902.6162 .2659824 220 .1639708 1.884334 311.939 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2047 9 2. 067229E+08 4.262426 0 236.1054 910.5649 .2661675 220 .1668234 1.896912 315.0626 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2047 10 2. 067229E+08 4.258791 0 258.1109 916.6238 .266319 220 .1675278 1.9071 317.6416 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2047 11 2. 067229E+08 4.274886 0 249.3482 888.5844 .2656487 220 .1644399 1.8624 306.5805 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2048 0 2. 067229E+08 4.293706 0 239.4782 836.7609 .2648671 220 .1609014 1.811348 293.718 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2048 1 2. 067229E+08 4.307963 0 232.2621 833.519 284.4764 220 .1582714 1.773793 284.4764 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2048 2 2. 067229E+08 4.310875 0 230.8154 829.0286 .264136 220 .1777997 1.766201 282.6833 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2048 3 2. 067229E+08 4.30328 0 234.6022 841.6636 .2644705 220 .1591305 1.78608 287.4786 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2048 4 2. 067229E+08 4.299031 0 236.757 844.8771 .2646463 220 .159914 1.797298 290.2521 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2048 5 2. 067229E+08 4.293772 0 239.3414 836.7975 .264836 220 .1608518 1.810747 293.5423 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2048 6 2. 067229E+08 4.289322 0 241.721 854.6468 .2650473 220 .1617112 1.82309 296.5932 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2048 7 2. 067229E+08 4.275331 0 249.1105 887.3357 .2656302 220 .1645555 1.861181 306.0753 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2048 8 2. 067229E+08 4.266957 0 253.6274 902.466 .2659767 220 .1639539 1.884389 311.6773 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2048 9 2. 067229E+08 4.262531 0 236.098 910.3209 .2656164 220 .1668095 1.896877 315.0037 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2048 10 2. 067229E+08 4.258771 0 258.0672 916.4862 .2663157 220 .1675124 1.906879 317.5432 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2048 11 2. 067229E+08 4.274962 0 249.3077 888.4372 .2656436 220 .1644235 1.862192 306.3284 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2049 0 2. 067229E+08 4.293778 0 239.441 836.6433 .2648641 220 .1608879 1.811263 293.6703 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2049 1 2. 067229E+08 4.308093 0 232.2275 833.4101 .2642736 220 .1582388 1.778615 284.4307 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2049 2 2. 067229E+08 4.310845 0 230.83 829.0728 .2641372 220 .177745 1.766278 282.6421 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2049 3 2. 067229E+08 4.303241 0 234.6276 841.706 .2644719 220 .1591577 1.786182 287.3033 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2049 4 2. 067229E+08 4.298988 0 236.7788 848.5444 .2646481 220 .1599219 1.797412 290.2389 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2049 5 2. 067229E+08 4.299923 0 239.3659 836.9744 .264838 220 .1608607 1.810874 293.5739 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2049 6 2. 067229E+08 4.289331 0 241.7479 854.7314 .2650494 220 .1617209 1.82323 296.6278 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2049 7 2. 067229E+08 4.275282 0 249.1363 867.4174 .2656323 220 .1643647 1.861514 306.1087 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2049 8 2. 067229E+08 4.266911 0 233.6533 902.2445 .2659807 220 .1639628 1.884417 311.9097 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2049 9 2. 067229E+08 4.262466 0 236.0835 910.2661 .2656158 220 .1668177 1.896802 315.0347 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2049 10 2. 067229E+08 4.258829 0 234.0901 916.5581 .2663174 220 .1675205 1.906995 317.6147 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2049 11 2. 067229E+08 4.274922 0 249.3289 888.5236 .2656472 220 .164433 1.862301 306.2536 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2050 0 2. 067229E+08 4.293741 0 239.4004 836.7043 .2648656 220 .1608949 1.811363 299.6551 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2050 1 2. 067229E+08 4.307996 0 232.2436 833.467 .2642751 220 .1582654 1.77371 284.4599 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2050 2 2. 067229E+08 4.31081 0 230.8474 829.1275 .2641587 220 .1777515 1.76637 282.6644 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2050 3 2. 067229E+08 4.303208 0 234.6445 841.7592 .2644733 220 .1591438 1.78627 287.5251 4.025373E+07 5.253025E+08 7.546574E+07 4.525485E+08 2.486452E+08 5.932333E+08 6.930834E+07 5.230032E+07 9.140491E+08 6.92342E+08 0 304.8

2050 4 2. 067229E+08 4.298956 0

2051 7	2.867229E+08	4.273238	0	249.1602	887.4921	2636341	220	1645731	1.861496	306.1991	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2051 8	2.867229E+08	4.266869	0	233.6732	902.6162	2639824	220	1639708	1.884334	311.989	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2051 9	2.867229E+08	4.262426	0	236.1034	910.3649	2661673	220	1668254	1.896912	313.0626	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2051 10	2.867229E+08	4.258791	0	238.1109	916.6238	2663319	220	1673278	1.9071	317.6416	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2051 11	2.867229E+08	4.274886	0	249.3482	888.3844	2636487	220	1644999	1.8624	306.3803	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2052 0	2.867229E+08	4.293706	0	239.4782	836.7603	2648671	220	1609014	1.811458	293.718	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2052 1	2.867229E+08	4.307963	0	232.2621	833.519	2642764	220	1382714	1.775795	284.4749	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2052 2	2.867229E+08	4.310875	0	230.8134	829.0286	2641365	220	1377897	1.766201	282.6233	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2052 3	2.867229E+08	4.30528	0	234.6082	841.6456	2644705	220	1591306	1.78806	287.4786	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2052 4	2.867229E+08	4.299031	0	236.737	848.4771	2646463	220	159914	1.797298	290.231	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2052 5	2.867229E+08	4.293972	0	239.3414	836.8973	2648365	220	1608318	1.810747	293.5423	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2052 6	2.867229E+08	4.289362	0	241.721	864.6468	2630473	220	1617112	1.82309	296.2932	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2052 7	2.867229E+08	4.275331	0	249.1103	887.3337	2636302	220	1643333	1.861181	306.0733	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2052 8	2.867229E+08	4.268937	0	233.6274	902.466	2639787	220	1639339	1.884289	311.8773	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2052 9	2.867229E+08	4.26251	0	236.0396	910.2209	266164	220	1688093	1.896879	313.0037	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2052 10	2.867229E+08	4.258871	0	234.0672	916.4862	2663157	220	1673124	1.906878	317.3832	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2052 11	2.867229E+08	4.274962	0	249.3077	888.4572	2636366	220	1644233	1.862192	306.3284	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2053 0	2.867229E+08	4.293778	0	239.441	836.6433	2648641	220	1608879	1.811263	293.6703	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2053 1	2.867229E+08	4.308033	0	232.2273	833.4101	2642736	220	1382588	1.773615	284.4307	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2053 2	2.867229E+08	4.310845	0	230.83	829.0728	2641572	220	137745	1.766278	282.6421	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2053 3	2.867229E+08	4.303241	0	234.6276	841.706	2644719	220	1591377	1.786182	287.3053	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2053 4	2.867229E+08	4.298888	0	236.7788	848.5448	2646481	220	1599219	1.797412	290.2589	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2053 5	2.867229E+08	4.293923	0	239.3639	836.9744	264836	220	1608807	1.810874	299.3739	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2053 6	2.867229E+08	4.28931	0	241.7479	864.7314	2630494	220	1617209	1.8232	296.6278	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2053 7	2.867229E+08	4.275283	0	249.1365	887.4174	2636323	220	1643647	1.861314	306.1087	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2053 8	2.867229E+08	4.266911	0	233.6323	902.5445	2639807	220	1639628	1.884417	311.9097	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2053 9	2.867229E+08	4.262466	0	236.0835	910.2961	2661638	220	1688117	1.896802	313.0347	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2053 10	2.867229E+08	4.258829	0	234.0901	916.5581	2663174	220	1673203	1.906995	317.6147	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2053 11	2.867229E+08	4.274922	0	249.3289	888.3236	2636472	220	164439	1.862301	306.3336	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2054 0	2.867229E+08	4.293741	0	239.4604	836.7043	2648636	220	1608949	1.811363	293.6931	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2054 1	2.867229E+08	4.307996	0	232.2436	833.467	2642731	220	1382634	1.77371	284.4339	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2054 2	2.867229E+08	4.31081	0	230.8474	829.1273	2641587	220	1377315	1.76637	282.6644	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2054 3	2.867229E+08	4.303208	0	234.6445	841.7592	2644733	220	1591438	1.78637	287.3231	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2054 4	2.867229E+08	4.294836	0	236.7932	848.5963	2646494	220	1599278	1.797496	290.2797	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2054 5	2.867229E+08	4.293894	0	239.3819	837.0246	2648393	220	1608864	1.810937	293.5943	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2054 6	2.867229E+08	4.28928	0	241.7633	864.7804	2630307	220	1617263	1.82331	296.6478	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2054 7	2.867229E+08	4.273234	0	249.1316	887.4647	2636334	220	1643701	1.861391	306.128	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2054 8	2.867229E+08	4.266884	0	233.6668	902.3899	2639818	220	1639679	1.884491	311.9283	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.932333E+06	6.930834E+07	5.230032E+07	9.140491E+08	6.92342E+08	0	304.8
2054 9	2.867229E+08	4.262441	0	236.0974	910.3397	2661669	220	1688226	1.896872	313.0323	4.023373E+07	5.253025E+06	7.546574E+07	4.525485E+06	2.486452E+06	5.93233						

Seawater Flooding of Pit

*** MINEWALL 2.0 REPORT ***

ISLAND COPPER MINE -
BASELINE CASE: NATURAL FILLING

Printed on 04-09-1995 at 11:37:04

** INPUT DATA **

OPERATION:

Simulations were performed on a Monthly Basis:

Starting Month/Year is 1/ 1985

Ending Month/Year is 6/ 1995

CLOSURE:

Simulations were performed on a Monthly Basis:

Starting Month/Year is 7/ 1995

Ending Month/Year is 1/ 2025

Geochemical Parameters in this simulation were:

pH Alk (mg/L) Acid (mg/L) SO₄ (mg/L) Al (mg/L) Ca (mg/L) Cd (mg/L) Cu (mg/L) Zn (mg/L)

Geochemical/Rock Units and their physicochemical characteristics were:

Unit Name	Strongly Acid	CoAcid Consuming	Acid Producing	Strongly Acid	PrIn-Pit Waste Roc
Unit #	1	2	3	4	5
Rate - Control	1: TIME*[F]	1: TIME*[F]	1: TIME*[F]	1: TIME*[F]	1: TIME*[F]
- max 'd', m	.01	.01	.01	.01	.01
Years Exposed	5	5	5	5	5
Wall Area, m ²	467300	250400	834500	116800	3.1E+08
- %Area Sloping	25	25	25	25	0
- Slope Angle	60	60	60	60	0
Ratio Total/Wall	161	161	161	161	1
- %Flushed Reg	30	30	30	30	10
- %Flushed Per	5	5	5	5	5
- %Not Flushed	65	65	65	65	85
Reactive %S	1.5	5	5	10	10
React ppt CaCO ₃	190	300	120	80	80
Spec. Grav.	3	3	3	3	3
React Al (ppm)	20000	20000	20000	30000	30000
React Ca (ppm)	20000	20000	20000	30000	30000
React Cd (ppm)	1	1	1	3	3
React Cu (ppm)	600	600	600	600	600
React Zn (ppm)	200	200	200	900	900

For each Geochemical Unit, the FACTOR in the rate-control equation was:

Unit	1	2	3	4	5
Factor	-.1	-.1	-.1	-.1	-.1

Periodic, non-regular fracture flushing over an annual period was:

Time	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5
1	1	1	1	1	1
2	1	1	1	1	1
3	1	1	1	1	1
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	1	1	1	1	1
11	1	1	1	1	1
12	1	1	1	1	1

The following rates are decreased to 0 % when the Units are submerged

For each Geochemical Unit, the following rate information was used:

UNIT # 1

Inputted Data:

Month	Flow (m ³ /d)	SO ₄ mg/m ² /d	Acid mg/m ² /d	NP mg/m ² /d	pH	Al mg/m ² /d	Ca mg/m ² /d	Cd mg/m ² /d	Cu mg/m ² /d	Zn mg/m ² /d
1	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.00146	.0071
2	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.00146	.0071
3	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.00146	.0071
4	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.00146	.0071
5	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.00146	.0071
6	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.00146	.0071
7	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.00146	.0071

Adjusted Fresh Rates (at time of initial exposure):

[illegible]

UNIT # 2

Month	Inputted Data: Flow (m ³ /d)	SO ₄ mg/m ² /d	Acid mg/m ² /d	NP mg/m ² /d	pH	Al mg/m ² /d	Ca mg/m ² /d	Cl mg/m ² /d	Cu mg/m ² /d	Zn mg/m ² /d
1	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.00127	.0071
2	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.00127	.0071
3	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.00127	.0071
4	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.00127	.0071
5	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.00127	.0071
6	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.00127	.0071
7	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.00127	.0071
8	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.00127	.0071
9	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.00127	.0071
10	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.00127	.0071
11	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.00127	.0071
12	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.00127	.0071

Adjusted Fresh Rates (at time of initial exposure):

[illegible]

UNIT # 3

Inputted Data:											
Month	Flow (m ³ /d)	SO4 mg/m ² /d	Acid mg/m ² /d	NP mg/m ² /d	pH	Al mg/m ² /d	Ca mg/m ² /d	Cd mg/m ² /d	Cu mg/m ² /d	Zn mg/m ² /d	
1	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027	.0071	
2	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027	.0071	
3	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027	.0071	
4	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027	.0071	
5	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027	.0071	
6	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027	.0071	
7	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027	.0071	
8	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027	.0071	
9	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027	.0071	
10	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027	.0071	
11	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027	.0071	
12	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027	.0071	

Adjusted Fresh Rates (at time of initial exposure):

[illegible]

Top of Mine								
400	2.867229E+08	2.458769E+07	100	100	100	100	100	100
Drain Level								
304.8	2.867229E+08	2.458769E+07	95	95	95	95	95	95
Equil. Level								
304.8	2.867229E+08	2.458769E+07	95	95	95	95	95	95
280.4	2.447867E+08	2.116863E+07	90	90	90	90	90	90
231.6	1.713932E+08	1.521497E+07	80	80	80	80	80	80
207.3	1.400377E+08	1.263228E+07	75	75	75	75	75	75
158.5	8.661631E+07	8200398	65	65	65	65	65	65
134.1	6.564806E+07	6424155	60	60	60	60	60	60
109.7	4.872557E+07	4938580	55	55	55	55	55	55
85.3	3.491008E+07	3681851	50	50	50	50	50	50
61	2.368923E+07	2633728	45	45	45	45	45	45
36.6	1.475111E+07	1764123	40	40	40	40	40	40
12.2	8342741	1090870	35	35	35	35	35	35
-12.2	4206031	607226	30	30	30	30	30	30
-36.6	1955403	279047	25	25	25	25	25	25
-61	791615	90513	20	20	20	20	20	20
-85.3	185428	14566	15	15	15	15	15	15
Bottom of Mine								
-109.7	0	1000	10	10	10	10	10	10

Characteristics of the Layers during Operation (Mine Bottom) and During Closure (others), if selected, were:

LAYER NUMBER:	0	1
LAYER NAME:	Mine Bottom	Pit Water
Flows:...	0	
-Precip (%)	100	100
-Evap (%)	100	100
-Runoff (%)	100	100
-Sat Flow (%)	100	100
-Pump#1 (%)	100	100
-Pump#2 (%)	100	100

CHEM:...

- Mass Balance
- Set Value
- Equilibrium
- Kinetic
- Empirical

The geochemical control for each Parameter in each layer were:

The information used for each of the flows was:

* PIT PRECIP

* OPERATION

Time	Precip (m/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
1	.0137	5	20	0	0	0	0	0	0	0
2	.0062	5	0	0	0	0	0	0	0	0
3	.00126	5	0	0	0	0	0	0	0	0
4	.00309	5	0	0	0	0	0	0	0	0
5	.00237	5	0	0	0	0	0	0	0	0
6	.00245	5	0	0	0	0	0	0	0	0
7	.000439	5	0	300	0	0	0	0	0	0
8	.00152	5	0	0	0	0	0	0	0	0
9	.00311	5	0	0	0	0	0	0	0	0
10	.00368	5	0	0	0	0	0	0	0	0
11	.0133	5	20	0	0	0	0	0	0	0
12	.0153	5	20	0	0	0	0	0	0	0

* CLOSURE

Time	Precip (m/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
7	.000439	5	0	300	0	0	0	0	0	0
8	.00152	5	0	0	0	0	0	0	0	0
9	.00301	5	0	0	0	0	0	0	0	0
10	.00368	5	0	0	0	0	0	0	0	0
11	.0133	5	20	0	0	0	0	0	0	0
12	.0153	5	20	0	0	0	0	0	0	0
1	.0137	5	20	0	0	0	0	0	0	0
2	.0062	5	0	0	0	0	0	0	0	0
3	.00126	5	0	0	0	0	0	0	0	0
4	.00309	5	0	0	0	0	0	0	0	0
5	.00237	5	0	0	0	0	0	0	0	0
6	.00245	5	0	0	0	0	0	0	0	0

* PIT SATUR GW

* OPERATION

Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
1	1500	8	1200	0	200	.001	300	.001	.01	.01

2	1500	8	1200	0	200	.001	300	.001	.01	.01
3	1500	8	1200	0	200	.001	300	.001	.01	.01
4	1500	8	1200	0	200	.001	300	.001	.01	.01
5	1500	8	1200	0	200	.001	300	.001	.01	.01
6	1500	8	1200	0	200	.001	300	.001	.01	.01
7	1500	8	1200	0	200	.001	300	.001	.01	.01
8	1500	8	1200	0	200	.001	300	.001	.01	.01
9	1500	8	1200	0	200	.001	300	.001	.01	.01
10	1500	8	1200	0	200	.001	300	.001	.01	.01
11	1500	8	1200	0	200	.001	300	.001	.01	.01
12	1500	8	1200	0	200	.001	300	.001	.01	.01

* PIT RUNOFF

* CLOSURE

* PIT EVAP

* CLOSURE

12	-16203	5	0	0	0	0	0	0	0	0	0
1	-11361	5	0	0	0	0	0	0	0	0	0
2	0	5	0	0	0	0	0	0	0	0	0
3	-26	5	0	0	0	0	0	0	0	0	0
4	-3620	5	0	0	0	0	0	0	0	0	0
5	0	5	0	0	0	0	0	0	0	0	0
6	-4023	5	0	0	0	0	0	0	0	0	0

* PIT PUMP #1

* OPERATION

Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
1	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0

* CLOSURE

Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
7	1600000	7.7	400	0	4000	1	400	0	.002	.002
8	1600000	7.7	400	0	4000	1	400	0	.002	.002
9	1600000	7.7	400	0	4000	1	400	0	.002	.002
10	1600000	7.7	400	0	4000	1	400	0	.002	.002
11	1600000	7.7	400	0	4000	1	400	0	.002	.002
12	1600000	7.7	400	0	4000	1	400	0	.002	.002
1	1600000	7.7	400	0	4000	1	400	0	.002	.002
2	1600000	7.7	400	0	4000	1	400	0	.002	.002
3	1600000	7.7	400	0	4000	1	400	0	.002	.002
4	1600000	7.7	400	0	4000	1	400	0	.002	.002
5	1600000	7.7	400	0	4000	1	400	0	.002	.002
6	1600000	7.7	400	0	4000	1	400	0	.002	.002

* PIT PUMP #2

* OPERATION

Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
1	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0

* CLOSURE

Time	Flow (m ³ /d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
7	320000	4	0	450	1570	35	310	.072	.73	18
8	320000	4	0	450	1570	35	310	.072	.73	18
9	310000	4	0	450	1570	35	310	.072	.73	18
10	320000	4	0	450	1570	35	310	.072	.73	18
11	320000	4	0	450	1570	35	310	.072	.73	18
12	320000	4	0	450	1570	35	310	.072	.73	18
1	320000	4	0	450	1570	35	310	.072	.73	18
2	289000	4	0	450	1570	35	310	.072	.73	18
3	320000	4	0	450	1570	35	310	.072	.73	18
4	320000	4	0	450	1570	35	310	.072	.73	18
5	320000	4	0	450	1570	35	310	.072	.73	18
6	310000	4	0	450	1570	35	310	.072	.73	18

During Operation, Pump #2 was adjusted to obtain no net accumulation of water

[illegible]

1990 3	2130873	1.143180E+10	4.922455E+11	1.385734E+11	2.047733E+11	1.276933E+11	1.507407E+11	232300	4.200807E+10	1.316547E+10	4.092894E+10	5.288495E+10	7.530618E+10	4.528709E+10	2.497136E+10	5.969498E+10	6.970364E+10	5.377942E+10	9.192623E+10	7.092309E+10	-0.2130873	-109.7
1990 4	4437738	2.296379E+10	4.936136E+11	1.246416E+11	1.695416E+11	1.043814E+11	1.319795E+11	232300	3.293347E+10	1.034486E+10	4.091883E+10	5.288989E+10	7.530537E+10	4.528661E+10	2.499676E+10	5.968903E+10	6.969774E+10	5.376031E+10	9.191847E+10	7.093987E+10	-0.4437738	-109.7
1990 5	3868603	2.008699E+10	4.586298E+11	1.287408E+11	1.732408E+11	1.078142E+11	1.363496E+11	232300	3.40383E+10	1.068891E+10	4.090844E+10	5.288444E+10	7.530494E+10	4.528612E+10	2.496812E+10	5.968333E+10	6.969164E+10	5.374037E+10	9.191024E+10	7.093486E+10	-0.3868603	-109.7
1990 6	5477321	1.80616E+10	4.394725E+11	1.245377E+11	1.695378E+11	1.042934E+11	1.319234E+11	232300	3.292794E+10	1.034004E+10	4.090833E+10	5.288393E+10	7.530434E+10	4.528634E+10	2.496652E+10	5.967766E+10	6.968374E+10	5.372148E+10	9.190264E+10	7.084486E+10	-0.5477321	-109.7
1990 7	532962.8	3.362414E+10	4.540471E+11	1.329402E+11	1.751342E+11	1.077251E+11	1.362943E+11	232300	3.401201E+10	1.068002E+10	4.088793E+10	5.287402E+10	7.530371E+10	4.528514E+10	2.496447E+10	5.967203E+10	6.967963E+10	5.370176E+10	9.189463E+10	7.082267E+10	-0.532962.8	-109.7
1990 8	2391680	1.373997E+10	4.433799E+11	1.243579E+11	1.730797E+11	1.076792E+11	1.362662E+11	232300	3.399439E+10	1.067340E+10	4.087734E+10	5.286871E+10	7.530312E+10	4.528446E+10	2.496332E+10	5.966631E+10	6.967335E+10	5.368204E+10	9.188658E+10	7.079667E+10	-0.2391680	-109.7
1990 9	4479163	2.307081E+10	4.932612E+11	1.243835E+11	1.695824E+11	1.041644E+11	1.318435E+11	232300	3.288969E+10	1.032743E+10	4.091847E+10	5.286357E+10	7.530479E+10	4.528417E+10	2.496164E+10	5.966766E+10	6.967066E+10	5.366297E+10	9.187477E+10	7.077153E+10	-0.4479163	-109.7
1990 10	5100367	2.620033E+10	7.130773E+11	1.319346E+11	1.754345E+11	1.043974E+11	1.323008E+11	232300	3.671389E+10	2.767493E+10	4.083708E+10	5.283263E+10	7.530186E+10	4.528366E+10	2.495999E+10	5.965303E+10	6.966158E+10	5.364328E+10	9.187073E+10	7.074333E+10	-0.5100367	-109.7
1990 11	1.823408E+10	9.184334E+10	8.681061E+11	1.527399E+11	1.977398E+11	1.231676E+11	1.4362E+11	232300	4.032644E+10	1.269936E+10	4.084702E+10	5.283312E+10	7.530126E+10	4.528332E+10	2.493844E+10	5.964952E+10	6.965377E+10	5.362422E+10	9.186294E+10	7.072042E+10	-0.823408E+10	-109.7
1991 0	2.20493E+10	1.10943E+11	9.579317E+11	1.577839E+11	2.042839E+11	1.2722E+11	1.504402E+11	232300	4.186083E+10	1.31173E+10	4.083633E+10	5.284782E+10	7.530064E+10	4.528277E+10	2.493676E+10	5.964381E+10	6.964963E+10	5.360454E+10	9.185496E+10	7.069447E+10	-0.220493E+10	-109.7
1991 1	2.006071E+10	1.010011E+11	9.08099E+11	1.570037E+11	2.033036E+11	1.263909E+11	1.500412E+11	232300	4.166337E+10	1.303373E+10	4.082632E+10	5.284254E+10	7.530002E+10	4.528231E+10	2.493512E+10	5.963813E+10	6.964357E+10	5.358496E+10	9.184692E+10	7.068636E+10	-0.2006071E+10	-109.7
1991 2	9672974	5.084713E+10	6.20146E+11	1.417623E+11	1.837633E+11	1.143007E+11	1.554958E+11	210000	5.762089E+10	1.17849E+10	4.081698E+10	5.283778E+10	7.549947E+10	4.528176E+10	2.493564E+10	5.9633E+10	6.96381E+10	5.356727E+10	9.183977E+10	7.064332E+10	-0.9672974	-109.7
1991 3	2130873	1.143180E+10	4.922455E+11	1.385734E+11	2.047733E+11	1.276933E+11	1.507407E+11	232300	4.16383E+10	1.3044E+10	4.080632E+10	5.28332E+10	7.549885E+10	4.528117E+10	2.493230E+10	5.962783E+10	6.963306E+10	5.35477E+10	9.183977E+10	7.065159E+10	-0.2130873	-109.7
1991 4	4437738	2.296379E+10	4.936136E+11	1.246416E+11	1.695416E+11	1.043814E+11	1.319795E+11	232300	3.266604E+10	1.023396E+10	4.079664E+10	5.28274E+10	7.549826E+10	4.528079E+10	2.493043E+10	5.962183E+10	6.96262E+10	5.352877E+10	9.182408E+10	7.059455E+10	-0.4437738	-109.7
1991 5	3868603	2.008699E+10	4.586298E+11	1.287408E+11	1.732408E+11	1.078142E+11	1.363496E+11	232300	3.374345E+10	1.039169E+10	4.078631E+10	5.282313E+10	7.549763E+10	4.52803E+10	2.494879E+10	5.961613E+10	6.962016E+10	5.350923E+10	9.181612E+10	7.056877E+10	-0.3868603	-109.7
1991 6	5477321	1.80616E+10	4.394725E+11	1.245377E+11	1.695378E+11	1.042934E+11	1.319234E+11	232300	3.364381E+10	1.024636E+10	4.077633E+10	5.281703E+10	7.549703E+10	4.527982E+10	2.494714E+10	5.961638E+10	6.961431E+10	5.34903E+10	9.180842E+10	7.054363E+10	-0.5477321	-109.7
1991 7	532962.8	3.362414E+10	4.540471E+11	1.329402E+11	1.751342E+11	1.077251E+11	1.362943E+11	232300	3.371973E+10	1.038399E+10	4.076602E+10	5.281176E+10	7.549642E+10	4.527933E+10	2.494458E+10	5.960499E+10	6.960627E+10	5.347076E+10	9.180045E+10	7.051807E+10	-0.532962.8	-109.7
1991 8	2391680	1.373997E+10	4.433799E+11	1.243579E+11	1.730797E+11	1.076792E+11	1.362662E+11	232300	3.370734E+10	1.035978E+10	4.075571E+10	5.280633E+10	7.549579E+10	4.527844E+10	2.494335E+10	5.959933E+10	6.960224E+10	5.345123E+10	9.179249E+10	7.049229E+10	-0.2391680	-109.7
1991 9	4479163	2.307081E+10	4.932612E+11	1.243835E+11	1.695824E+11	1.041644E+11	1.318435E+11	232300	3.268926E+10	1.023497E+10	4.074578E+10	5.280241E+10	7.549523E+10	4.527766E+10	2.494237E+10	5.959384E+10	6.959644E+10	5.343234E+10	9.178479E+10	7.046757E+10	-0.4479163	-109.7
1991 10	5100367	2.620033E+10	7.130773E+11	1.319346E+11	1.754345E+11	1.043974E+11	1.323008E+11	232300	6.792238E+10	2.742292E+10	4.075433E+10	5.279615E+10	7.549458E+10	4.527787E+10	2.494074E+10	5.958818E+10	6.959037E+10	5.34128E+10	9.177864E+10	7.044163E+10	-0.5100367	-109.7
1991 11	1.823408E+10	9.184334E+10	8.68234E+11	1.517734E+11	1.96372E+11	1.22049E+11	1.449104E+11	232300	4.017887E+10	1.238628E+10	4.072546E+10	5.279106E+10	7.549999E+10	4.52774E+10	2.493916E+10	5.95927E+10	6.958433E+10	5.33994E+10	9.176915E+10	7.041673E+10	-0.823408E+10	-109.7
1992 0	2.20493E+10	1.10943E+11	9.50099E+11	1.56336E+11	2.023839E+11	1.260694E+11	1.497103E+11	232300	4.150319E+10	1.300094E+10	4.071516E+10	5.27838E+10	7.549335E+10	4.527691E+10	2.493753E+10	5.957704E+10	6.95783E+10	5.337444E+10	9.176121E+10	7.03991E+10	-0.220493E+10	-109.7
1992 1	2.006071E+10	1.010011E+11	9.062749E+11	1.56351E+11	2.02151E+11	1.254969E+11	1.493483E+11	232300	4.13239E+10	1.294316E+10	4.070493E+10	5.278037E+10	7.54937E+10	4.527642E+10	2.493791E+10	5.957144E+10	6.95723E+10	5.335303E+10	9.173329E+10	7.039544E+10	-0.2006071E+10	-109.7
1992 2	1.001844E+10	5.266309E+10	6.48836E+11	1.433626E+11	1.890626E+11	1.173644E+11	1.396804E+11	217300	5.86481E+10	1.210433E+10	4.069334E+10	5.277308E+10	7.54921E+10	4.52759E+10	2.493944E+10	5.956514E+10	6.95669E+10	5.33647E+10	9.174589E+10	7.034145E+10	-0.1001844E+10	-109.7
1992 3	2130873	1.143180E+10	4.922455E+11	1.385734E+11	2.047733E+11	1.276933E+11	1.507407E+11	232300	4.129941E+10	1.293431E+10	4.06831E+10	5.277304E+10	7.549158E+10	4.527547E+10	2.493704E+10	5.956051E+10	6.95609E+10	5.331747E+10	9.173797E+10	7.03691E+10	-0.2130873	-109.7
1992 4	4437738	2.296379E+10	4.936136E+11	1.245377E+11	1.695378E+11	1.042934E+11	1.319234E+11	232300	3.240716E+10	1.01683E+10	4.06649E+10	5.27654E+10	7.549093E+10	4.527499E+10	2.493212E+10	5.955303E+10	6.95551E+10	5.32987E+10	9.173054E+10	7.029111E+10	-0.4437738	-109.7
1992 5	3868603	2.008699E+10	4.587247E+11	1.26439E+11	1.73939E+11	1.059308E+11	1.351692E+11	232300	3.347623E+10	1.030133E+10	4.06649E+10	5.276017E+10	7.549037E+10	4.527454E+10	2.492999E+10	5.954944E+10	6.954911E+10	5.327931E+10	9.172234E+10	7.026333E+10	-0.3868603	-109.7
1992 6	5477321	1.80616E+10	4.36479E+11	1.22334E+11	1.67338E+11	1.024531E+11	1.307877E+11	232300	3.23862E+10	1.01643E+10	4.06538E+10	5.275312E+10	7.549077E+10	4.527403E+10	2.492820E+10	5.954397E+10	6.954331E+10	5.32603E+10	9.171478E+10	7.024081E+10	-0.5477321	-109.7
1992 7	532962.8	3.362414E+10	4.540471E+11	1.327197E+11	1.728714E+11	1.058303E+11	1.331298E+11	232300	3.345462E+10	1.049647E+10	4.064483E+10	5.274999E+10	7.54916E+10	4.527354E+10	2.492664E+10	5.953863E+10	6.953733E+10	5.324118E+10	9.170699E+10	7.021526E+10	-0.532962.8	-109.7
1992 8	2391680	1.373997E+10	4.439317E+11	1.263263E+11	1.73263E+11	1.057929E+11	1.351007E+11	232300	3.344537E+10	1.049282E+10	4.06346E+10	5.274468E+10	7.54934E+10	4.527303E+10	2.492479E+10	5.953274E+10	6.953134E+10	5.32218E+10	9.169899E+10	7.019722E+10	-0.2391680	-109.7
1992 9	4479163	2.307081E+10	4.936136E+11	1.245377E+11	1.695378E+11	1.042934E+11	1.319234E+11	232300	3.234572E+10	1.015104E+10	4.06247E+10	5.273963E+10	7.548795E+10	4.527284E+10	2.492332E+10	5.95273E+10	6.952356E+10	5.320303E+10	9.169133E+10	7.016302E+10	-0.4479163	-109.7
1992 10	5100367	2.620033E+10	7.074363E+11	1.326140E+11	1.726404E+11	1.053706E+11	1.32114E+11	232300	6.720243E+10	2.719344E+10	4.06143E+10	5.273441E+10	7.548734E+10	4.527209E+10	2.492161E+10	5.951683E+10	6.951958E+10	5.318373E+10	9.168346E+10	7.01349E+10	-0.5100367	-109.7
1992 11	1.823408E+10	9.184334E+10	8.645421E+11	1.301124E+11	1.915123E+11	1.210533E+11	1.442668E+11	232300	5.986399E+10	1.248333E+10	4.06042E+10	5.272937E+10	7.548674E+10	4.527161E+10	2.492004E+10	5.951623E+10	6.951379E+10	5.316301E+10	9.167383E+10	7.01144E+10	-0.823408E+10	-109.7
1993 0	2.20493E+10	1.10943E+11	9.546233E+11	1.56351E+11	2.01361E+11	1.250239E+11	1.490471E+11	232300	4.1172													

1983 3 21.50673 8.043152 157.0241 0 100.4407 -1472333 220 2.11037B-03 7.217457B-02 6.545915B-02 4.156302B-02 7.534414B-02 4.531742B-02 2.507169B-02 6.004328B-02 7.007406B-02 5.498062B-02 9.241577B-02 7.230926B-02 -0.2130873 -109.7

1984 4 44.57738 7.117308 71.36385 0 40.01413 -1702195 220 6.151924B-03 2.823543B-02 3.218517 4.133222B-02 5.521515B-02 7.534333B-02 4.531691B-02 2.306999B-02 6.007774B-02 7.006634B-02 5.496011B-02 9.240744B-02 7.248232B-02 -0.4457758 -109.7

1985 5 346.8003 7.338677 86.16097 0 47.6148 -1664258 220 4.764138B-02 2.038201B-02 3.177817 4.154100B-02 5.520746B-02 7.534023B-02 4.531637B-02 2.306522B-02 6.005212B-02 7.006301B-02 5.499905B-02 9.239894B-02 7.245460B-02 -0.386805 -109.7

1986 6 347.521 7.407764 91.40248 0 51.23372 -1620312 220 4.893397B-03 1.838192B-02 3.217587 4.133031B-02 5.520196B-02 7.534218B-02 4.531585B-02 2.306511B-02 6.002529B-02 7.005571B-02 5.491863B-02 9.239032B-02 7.245474B-02 -0.3477321 -109.7

1987 7 532982.8 8.540382 239.8311 0 343.19 -1362241 220 1.147779B-03 5.468615B-02 2.146188B-02 4.151918B-02 5.519632B-02 7.534152B-02 4.531532B-02 2.306475B-02 6.001917B-02 7.004491B-02 5.488757B-02 9.236193B-02 7.239974B-02 -0.532982.8 -109.7

1988 8 2391680 7.821651 130.0202 0 70.94514 -1324301 220 2.726035B-03 0.010093 -107.5731 4.130806B-02 5.513908B-02 7.534082B-02 4.531479B-02 2.306299B-02 6.001306B-02 7.004266B-02 5.487631B-02 9.237334B-02 7.237196B-02 -0.2391680 -109.7

1989 9 4479163 7.111167 70.97935 0 39.70247 -1703886 220 6.197188B-02 2.830033B-02 3.292026 4.149731B-02 5.521511B-02 7.534023B-02 4.531297B-02 2.306129B-02 6.000714B-02 7.003638B-02 5.483614B-02 9.236304B-02 7.234511B-02 -0.4479163 -109.7

1990 10 5100367 7.19917 76.30536 0 78.64324 -1680369 220 5.97779B-03 2.303406B-02 4.345188 4.148821B-02 5.517944B-02 7.535935B-02 4.531374B-02 2.305934B-02 6.000104B-02 7.002989B-02 5.483512B-02 9.233647B-02 7.231738B-02 -0.5100367 -109.7

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1993 1 2.006071B-02 6.363672 37.60958 0 10.63301 -1914848 220 0.146701 8.550042B-02 2.817319 4.145341B-02 5.516278B-02 7.535738B-02 4.531217B-02 2.303434B-02 5.998301B-02 7.001071B-02 5.47775B-02 9.233116B-02 7.223544B-02 -0.206071B-02 -109.7

1994 2 9672974 6.719748 30.39236 0 19.90409 -1813281 220 9.810676B-03 5.119194B-02 1.290635 4.144353B-02 5.515764B-02 7.535899B-02 4.531171B-02 2.303278B-02 5.997736B-02 7.000497B-02 5.473422B-02 9.232353B-02 7.221069B-02 -0.9672974 -109.7

1995 3 2150873 8.03936 136.3417 0 99.04846 -1473568 220 2.119098B-03 7.235951B-02 6.599151B-02 4.143254B-02 5.513204B-02 7.535634B-02 4.531117B-02 2.303104B-02 5.997152B-02 6.999447B-02 5.473344B-02 9.231304B-02 7.218183B-02 -0.2150873 -109.7

1996 4 44.57738 7.114391 71.17435 0 39.48948 -1703026 220 6.174133B-03 2.836347B-02 3.255151 4.142194B-02 5.514663B-02 7.535371B-02 4.531066B-02 2.304936B-02 5.996369B-02 6.999226B-02 5.471336B-02 9.230685B-02 7.215682B-02 -0.4457738 -109.7

1997 5 346.8003 7.333628 83.97344 0 46.99535 1643043 220 4.780938B-03 2.047579B-02 3.199621 4.141099B-02 5.514104B-02 7.535303B-02 4.531014B-02 2.304763B-02 5.995967B-02 6.998586B-02 5.469261B-02 9.229848B-02 7.212944B-02 -0.386805 -109.7

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1999 7 532982.8 8.552343 238.2549 0 340.7667 -1363914 220 1.194363B-03 5.508959B-02 3.184254B-02 4.138947B-02 5.513003B-02 7.535371B-02 4.530911B-02 2.304422B-02 5.994784B-02 6.997326B-02 5.465184B-02 9.228177B-02 7.207567B-02 -0.532982.8 -109.7

2000 8 2391680 7.818708 129.6947 0 70.04301 -1523204 220 2.733233B-03 1.004678B-02 1082875 4.137878B-02 5.512447B-02 7.535315B-02 4.530838B-02 2.304249B-02 5.994112B-02 6.996686B-02 5.463113B-02 9.227333B-02 7.204863B-02 -0.2391680 -109.7

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2006 2 9672974 6.711836 30.51108 0 19.669 -1813818 220 9.83215B-03 5.133486B-02 1.296142 4.131303B-02 5.509200B-02 7.535295B-02 4.530545B-02 2.303245B-02 5.990909B-02 6.992968B-02 5.451082B-02 9.222458B-02 7.188978B-02 -0.9672974 -109.7

2007 3 2150873 8.036518 136.1392 0 97.8865 -1470405 220 2.126513B-03 7.288339B-02 6.644031B-02 4.130422B-02 5.508654B-02 7.535286B-02 4.530505B-02 2.303074B-02 5.990909B-02 6.992336B-02 5.449036B-02 9.221397B-02 7.186271B-02 -0.2150873 -109.7

2008 4 44.57738 7.11178 71.01637 0 39.05109 -1703723 220 6.192796B-03 2.847483B-02 3.283996 4.129378B-02 5.508121B-02 7.535284B-02 4.530432B-02 2.302908B-02 5.989532B-02 6.991725B-02 5.447038B-02 9.220791B-02 7.183616B-02 -0.4457738 -109.7

2009 5 346.8003 7.333011 83.70481 0 46.47712 -1645702 220 4.793111B-03 2.045309B-02 3.318024 4.128298B-02 5.507731B-02 7.535279B-02 4.530401B-02 2.302738B-02 5.988938B-02 6.991093B-02 5.443014B-02 9.219958B-02 7.180966B-02 -0.386805 -109.7

2010 6 347.521 7.403121 91.02383 0 30.01786 -1627575 220 4.402147B-03 1.853354B-02 3.301073 4.127233B-02 5.507038B-02 7.535267B-02 4.530315B-02 2.302737B-02 5.988335B-02 6.990482B-02 5.443037B-02 9.219133B-02 7.179365B-02 -0.3477321 -109.7

2011 7 532982.8 8.523934 236.9166 0 337.0568 -1365326 220 1.207702B-03 2.343248B-02 2.216871B-02 4.126151B-02 5.506488B-02 7.535261B-02 4.530399B-02 2.302740B-02 5.987764B-02 6.989851B-02 5.442096B-02 9.218321B-02 7.175667B-02 -0.532982.8 -109.7

2012 8 2391680 7.816234 129.4215 0 69.28545 -1523795 220 2.743139B-03 1.008548B-02 1088902 4.125101B-02 5.505935B-02 7.535254B-02 4.530245B-02 2.302232B-02 5.987171B-02 6.989221B-02 5.438936B-02 9.217489B-02 7.172977B-02 -0.2391680 -109.7

2013 9 4479163 7.103649 70.64645 0 38.77988 -1703339 220 6.236383B-03 2.973238B-02 3.339172 4.124065B-02 5.503406B-02 7.535248B-02 4.530195B-02 2.302067B-02 5.986506B-02 6.988616B-02 5.436983B-02 9.216688B-02 7.170937B-02 -0.4479163 -109.7

2014 10 5100367 7.186669 75.82416 0 76.46786 -1683333 220 5.666133B-03 2.452374B-02 4.448754 4.122984B-02 5.503487B-02 7.535242B-02 4.530146B-02 2.301897B-02 5.986066B-02 6.987981B-02 5.434946B-02 9.215934B-02 7.167687B-02 -0.5100367 -109.7

2015 11 1.823408B-02 6.418205 39.33108 0 11.13367 -1899162 220 1.380379B-02 7.913144B-02 2.304199 4.121944B-02 5.503426B-02 7.535239B-02 4.530097B-02 2.301732B-02 5.985443B-02 6.987371B-02 5.432937B-02 9.215051B-02 7.163088B-02 -0.823408B-02 -109.7

2016 12 2.20495B-02 6.326455 36.37342 0 9.309675 -1926646 220 1.533601B-02 9.058921B-02 3.076412 4.120874B-02 5.503777B-02 7.535229B-02 4.530046B-02 2.301362B-02 5.984844B-02 6.986742B-02 5.430930B-02 9.214221B-02 7.162404B-02 -0.20495B-02 -109.7

2017 1 2.006071B-02 6.363135 37.5284 0 10.39674 -1913699 220 1.471317B-02 8.840099B-02 2.83339 4.119803B-02 5.503233B-02 7.535211B-02 4.529994B-02 2.301993B-02 5.984357B-02 6.986118B-02 5.428918B-02 9.213397B-02 7.159736B-02 -0.206071B-02 -109.7

2018 2 1.001844B-02 6.710236 30.44143 0 19.46791 -1814279 220 9.830382B-03 5.145734B-02 1.300861 4.118803B-02 5.502717B-02 7.535217B-02 4.529974B-02 2.301266B-02 5.983709B-02 6.985334B-02 5.427028B-02 9.212627B-02 7.157343B-02 -0.1001844B-02 -109.7

2019 3 2150873 8.039924 133.7948 0 96.89135 -1474664 220 2.132899B-03 7.316233B-02 6.682796B-02 4.117739B-02 5.502179B-02 7.535210B-02 4.529958B-02 2.301067B-02 5.983123B-02 6.984951B-02 5.423008B-02 9.211804B-02 7.154582B-02 -0.2150873 -109.7

2020 4 44.57738 7.109336 70.88077 0 38.67531 -1704322 220 6.208877B-03 2.826917B-02 3.31266 4.116708B-02 5.501622B-02 7.535204B-02 4.529946B-02 2.300904B-02 5.982535B-02 6.984306B-02 5.423035B-02 9.211009B-02 7.152006B-02 -0.4457738 -109.7

2021 5 346.8003 7.330873 83.59004 0 46.02521 -1646258 220 4.807305B-03 2.061774B-02 3.233922 4.115643B-02 5.501109B-02 7.535192B-02 4.529755B-02 2.300735B-02 5.981977B-02 6.983638B-02 5.421038B-02 9.210186B-02 7.149345B-02 -0.386805 -109.7

2022 6 347.521 7.400905 90.82313 0 49.543 -1623313 220 4.433491B-03 1.859606B-02 2.276347 4.114613B-02 5.500385B-02 7.535192B-02 4.529746B-02 2.300572B-02 5.981404B-02 6.983088B-02 5.419086B-02 9.209392B-02 7.146772B-02 -0.3477321 -109.7

2023 7 532982.8 8.520219 235.7638 0 335.8086 -1366349 220 1.215767B-03 2.573232B-02 2.734699B-02 4.113549B-02 5.500048B-02 7.535185B-02 4.529693B-02 2.300404B-02 5.980819B-02 6.982458B-02 5.417072B-02 9.208477B-02 7.144115B-02 -0.532982.8 -109.7

2024 8 2391680 7.814098 129.1863 0 68.63389 -1526303 220 2.749937B-03 1.011268B-02 1094129 4.112484B-02 5.500497B-02 7.535179B-02 4.529644B-02 2.300256B-02 5.980234B-02 6.981835B-02 5.415038B-02 9.207757B-02 7.141498B-02 -0.2391680 -109.7

2025 9 4479163 7.104073 70.51538 0 38.81711 -170394 220 6.232342B-03 2.882534B-02 334599 4.111457B-02 5.500972B-02 7.535173B-02 4.529593B-02 2.300073B-02 5.979966B-02 6.981234B-02 5.413111B-02 9.206936B-02 7.138896B-02 -0.4479163 -109.7

2026 10 5100367 7.184318 75.53648 0 73.61366 -1684429 220 5.693407B-03 2.558048B-02 4.490347 4.110994B-02 5.500435B-02 7.535166B-02 4.529545B-02 2.499905B-02 5.979084B-02 6.980611B-02 5.411098B-02 9.206136B-02 7.136236B-02 -0.5100367 -109.7

2027 11 1.823408B-02 6.417083 39.29338 0 11.02341 -1899493 220 1.342365B-02 9.072638B-02 3.054914 4.109367B-02 5.500908B-02 7.535160B-02 4.529496B-02 2.499743B-02 5.978318B-02 6.980001B-02 5.409132B-02 9.205348B-02 7.133676B-02 -0.823408B-02 -109.7

2028 12 2.20495B-02 6.32415 36.34136 0 9.417727 -1926936 220 1.538888B-02 9.072638B-02 3.054914 4.108306B-02 5.500764B-02 7.535141B-02 4.529445B-02 2.499577B-02 5.977938B-02 6.979389B-02 5.407141B-02 9.204324B-02 7.131019B-02 -0.20495B-02 -109.7

2029 1 2.006071B-02 6.362113 37.49371 0 10.30238 -1915915 220 1.473037B-02 8.839304B-02 2.839897 4.107232B-02 5.500626B-02 7.535147B-02 4.529394B-02 2.499408B-02 5.977336B-02 6.978777B-02 5.405143B-02 9.203709B-02 7.128388B-02 -0.206071B-02 -109.7

2030 2 9672974 6.708817 30.38048 0 19.29302 -1814682 220 9.866748B-03 5.156262B-02 1.303006 4.10633B-02 5.500341B-02 7.535142B-02 4.529349B-02 2.499258B-02 5.976832B-02 6.978214B-02 5.403343B-02 9.202974B-02 7.126006B-02 -0.9672974 -109.7

2031 3 2150873 8.031649 133.4928 0 96.02067 -147519 220 2.138516B-03 7.340827B-02 6.716987B-02 4.103246B-02 5.500382B-02 7.535134B-02 4.529298B-02 2.499091B-02 5.976233B-02 6.977396B-02 5.401344B-02 9.202161B-02 7.123373B-02 -0.2150873 -109.7

2032 4 44.57738 7.107369 70.76208 0 38.34625 -1704846 220 6.223009B-03 2.865206B-02 3.336144 4.104227B-02 5.500282B-02 7.535127B-02 4.529249B-02 2.498938B-02 5.975932B-02 6.976999B-02 5.399415B-02 9.201373B-02 7.120827B-02 -0.4457738 -109.7

2033 5 346.8003 7.328944 83.49446 0 45.64283 -1646766 220 4.818045B-03 2.067646B-02 3.247948 4.103174B-02 5.500474B-02 7.535124B-02 4.529199B-02 2.498763B-02 5.975311B-02 6.976383B-02 5.397419B-02 9.200

1991 0	2.204957E+07	6.333703	36.2886	0	9.264874	.1927472	220	.0133999	9.093577E-02	3.095375	4.083663E-07	5.284782E+07	4.32427E+07	2.495676E+08	5.964381E+08	6.964962E+07	5.360434E+07	9.185496E+07	7.069447E+07	2.204957E+07	-109.7
1991 1	2.060071E+07	6.330999	37.44101	0	10.14449	.191643	220	1.472978E-02	8.616778E-02	2.830833	4.082629E-07	5.284345E+07	4.324221E+07	2.495312E+08	5.963813E+08	6.964357E+07	5.358496E+07	9.184699E+07	7.066865E+08	2.060071E+07	-109.7
1991 2	9672974	6.706437	50.27843	0	18.9751	.181538	220	9.893928E-03	5.174643E-02	1.31199	4.081699E-07	5.285778E+07	4.324217E+07	2.495364E+08	5.96333E+08	6.963841E+07	5.358727E+07	9.183977E+07	7.064332E+08	9672974	-109.7
1991 3	2130873	8.027823	154.9871	0	94.56127	.1478073	220	2.147988E-03	7.348230E-03	.0677483	4.080663E-07	5.285325E+07	4.324217E+07	2.495201E+08	5.963733E+08	6.963206E+07	5.354777E+07	9.183182E+07	7.061931E+08	2130873	-109.7
1991 4	6457758	7.104261	70.36291	0	37.7943	.170375	220	6.246652E-03	2.879290E-02	.3373887	4.079864E-07	5.282748E+07	4.324217E+07	2.495043E+08	5.962183E+08	6.962628E+07	5.352877E+07	9.182408E+07	7.059433E+08	6457758	-109.7
1991 5	3868003	7.323967	85.21344	0	44.98881	.1647803	220	4.836153E-03	2.077561E-02	.3271681	4.078631E+07	5.282213E+07	4.324217E+07	2.494879E+08	5.961615E+08	6.962016E+07	5.350922E+07	9.181612E+07	7.056877E+08	3868003	-109.7
1991 6	3477321	7.39368	90.44836	0	48.42363	.1629648	220	4.460349E-03	.0187398	.2796436	4.077633E+07	5.281703E+07	4.323790E+07	2.494721E+08	5.961066E+08	6.961451E+07	5.349033E+07	9.180842E+07	7.054362E+08	3477321	-109.7
1991 7	332982.8	8.806666	233.0393	0	326.3662	.1369452	220	1.234962E-03	3.643048E-03	2.514788E-02	4.076602E+07	5.281176E+07	4.323793E+07	2.494453E+08	5.960499E+08	6.960827E+07	5.347076E+07	9.180043E+07	7.051803E+08	332982.8	-109.7
1991 8	2391680	8.809055	128.6324	0	67.09866	.1527511	220	2.766016E-03	1.019072E-02	1.106375	4.075371E+07	5.280635E+07	4.323784E+07	2.494393E+08	5.959933E+08	6.960224E+07	5.345122E+07	9.179249E+07	7.049229E+08	2391680	-109.7
1991 9	4479163	7.098323	70.26688	0	37.5615	.1707316	220	6.280973E-03	2.904512E-02	.5447933	4.074537E+07	5.280141E+07	4.323786E+07	2.494237E+08	5.959384E+08	6.959864E+07	5.343234E+07	9.178479E+07	7.046737E+08	4479163	-109.7
1991 10	5100367	7.174677	74.92366	0	73.6009	.1687027	220	5.758348E-03	2.595416E-02	.4390532	4.073543E+07	5.279613E+07	4.323778E+07	2.494074E+08	5.958188E+08	6.959037E+07	5.341282E+07	9.177684E+07	7.046163E+08	5100367	-109.7
1991 11	1.823408E+07	6.414434	39.20492	0	10.76934	.1900284	220	.0138681	7.957239E-02	3.234664	4.072346E+07	5.279106E+07	4.327714E+07	2.493916E+08	5.958278E+08	6.958453E+07	5.339994E+07	9.176915E+07	7.041673E+08	1.823408E+07	-109.7
1992 0	2.204957E+07	6.322978	36.26617	0	9.200141	.1927691	220	1.541223E-02	9.103303E-02	3.100417	4.071516E+07	5.278388E+07	4.327691E+07	2.493753E+08	5.957704E+08	6.95783E+07	5.337444E+07	9.17612E+07	7.03918E+08	2.204957E+07	-109.7
1992 1	2.060071E+07	6.339663	37.41761	0	10.07696	.191665	220	1.477231E-02	8.626102E-02	2.833829	4.070492E+07	5.278037E+07	4.327642E+07	2.493591E+08	5.957148E+08	6.95725E+07	5.335003E+07	9.175339E+07	7.036348E+08	2.060071E+07	-109.7
1992 2	1.001844E+07	6.705418	30.23478	0	18.87147	.1813648	220	9.905393E-03	5.180242E-02	1.314993	4.069334E+07	5.277368E+07	4.327390E+07	2.493444E+08	5.956614E+08	6.956609E+07	5.333687E+07	9.174389E+07	7.034143E+08	1.001844E+07	-109.7
1992 3	2130873	8.026183	154.7706	0	93.93634	.1476452	220	2.152063E-03	7.400178E-03	2.549158E-02	4.068315E+07	5.277043E+07	4.327347E+07	2.493378E+08	5.956033E+08	6.95609E+07	5.331747E+07	9.173798E+07	7.031386E+08	2130873	-109.7
1992 4	6457758	7.102784	70.47758	0	37.53783	.1706109	220	6.237117E-03	2.883242E-02	.3393041	4.067519E+07	5.276545E+07	4.327499E+07	2.493121E+08	5.955303E+08	6.95551E+07	5.329878E+07	9.173034E+07	7.029111E+08	6457758	-109.7
1992 5	3868003	7.323404	83.1123	0	44.70839	.1647962	220	4.843931E-03	2.081833E-02	.5281924	4.066496E+07	5.276017E+07	4.327453E+07	2.492938E+08	5.954943E+08	6.954911E+07	5.327931E+07	9.172243E+07	7.026555E+08	3868003	-109.7
1992 6	6477321	7.394271	90.54004	0	48.12285	.1630007	220	4.467632E-03	1.877871E-02	.2803307	4.065306E+07	5.275132E+07	4.327403E+07	2.492803E+08	5.954397E+08	6.954331E+07	5.326056E+07	9.171478E+07	7.024081E+08	6477321	-109.7
1992 7	332982.8	8.802999	232.3303	0	324.347	.137024	220	1.240223E-03	3.665115E-03	2.339977E-02	4.064448E+07	5.274999E+07	4.327345E+07	2.492641E+08	5.953883E+08	6.953733E+07	5.324118E+07	9.170689E+07	7.021526E+08	332982.8	-109.7
1992 8	2391680	7.807693	128.4832	0	66.6831	.1572836	220	2.770373E-03	.0102112	.110996	4.063461E+07	5.274468E+07	4.327338E+07	2.492479E+08	5.953272E+08	6.953154E+07	5.322182E+07	9.169899E+07	7.018972E+08	2391680	-109.7
1992 9	4479163	7.098931	70.12366	0	37.33082	.1707689	220	6.300044E-03	2.910478E-02	.5466991	4.062472E+07	5.273963E+07	4.327328E+07	2.492323E+08	5.952378E+08	6.952336E+07	5.320308E+07	9.169133E+07	7.016302E+08	4479163	-109.7
1992 10	5100367	7.172011	74.73366	0	73.05862	.1687731	220	5.776331E-03	2.603633E-02	.4618002	4.061433E+07	5.273941E+07	4.327345E+07	2.492161E+08	5.952166E+08	6.951958E+07	5.318373E+07	9.168346E+07	7.013948E+08	5100367	-109.7
1992 11	1.823408E+07	6.413217	39.18097	0	10.70043	.1900487	220	.0138776	7.955633E-02	3.229331	4.060462E+07	5.272978E+07	4.327161E+07	2.492004E+08	5.951652E+08	6.951973E+07	5.316501E+07	9.167383E+07	7.01144E+08	1.823408E+07	-109.7
1993 0	2.204957E+07	6.322318	36.24379	0	9.141321	.1927891	220	1.542399E-02	9.114163E-02	3.103009	4.059441E+07	5.272163E+07	4.327112E+07	2.491843E+08	5.951063E+08	6.950782E+07	5.314567E+07	9.166739E+07	7.008893E+08	2.204957E+07	-109.7
1993 1	2.060071E+07	6.339994	37.39621	0	10.01517	.1916451	220	1.478788E-02	8.636461E-02	2.839832	4.058424E+07	5.271897E+07	4.327064E+07	2.491682E+08	5.950304E+08	6.950186E+07	5.312648E+07	9.16601E+07	7.006396E+08	2.060071E+07	-109.7
1993 2	9672974	6.704483	50.19479	0	18.75612	.1813913	220	9.916306E-03	5.189369E-02	1.317754	4.057506E+07	5.271428E+07	4.327023E+07	2.491537E+08	5.949999E+08	6.94963E+07	5.310002E+07	9.165301E+07	7.004097E+08	9672974	-109.7
1993 3	2130873	8.02648	154.5723	0	93.3642	.14768	220	2.153812E-03	.0074168	.622787E-02	4.056496E+07	5.270998E+07	4.326972E+07	2.491376E+08	5.949444E+08	6.949054E+07	5.308977E+07	9.164516E+07	7.001358E+08	2130873	-109.7
1993 4	6457758	7.101528	70.39944	0	37.34123	.1706457	220	6.268543E-03	2.890784E-02	.3408815	4.055307E+07	5.270407E+07	4.326923E+07	2.491222E+08	5.948899E+08	6.948478E+07	5.307114E+07	9.163757E+07	7.0009103E+08	6457758	-109.7
1993 5	3868003	7.323024	83.01938	0	44.45146	.1646293	220	4.831122E-03	2.083763E-02	.3291338	4.054492E+07	5.269889E+07	4.326876E+07	2.491063E+08	5.94834E+08	6.947884E+07	5.305191E+07	9.162974E+07	7.000366E+08	3868003	-109.7
1993 6	6477321	7.392978	90.24039	0	47.84722	.1630357	220	4.474303E-03	1.881457E-02	.2813433	4.053309E+07	5.269388E+07	4.326829E+07	2.490904E+08	5.947801E+08	6.94731E+07	5.30333E+07	9.162218E+07	7.000411E+08	6477321	-109.7
1993 7	332982.8	8.80961	231.6623	0	322.4939	.1370963	220	1.243076E-03	3.683404E-03	2.331691E-02	4.052494E+07	5.268838E+07	4.326781E+07	2.490744E+08	5.947245E+08	6.946715E+07	5.301408E+07	9.161432E+07	7.000157E+08	332982.8	-109.7
1993 8	2391680	7.806442	128.3464	0	66.3042	.1528136	220	2.774823E-03	1.023003E-02	.1113078	4.05148E+07	5.268332E+07	4.326733E+07	2.490383E+08	5.946663E+08	6.946121E+07	5.299486E+07	9.160648E+07	7.000304E+08	2391680	-109.7
1993 9	4479163	7.095651	70.04725	0	37.11919	.1708091	220	6.309331E-03	2.913972E-02	.54807	4.050461E+07	5.267831E+07	4.326683E+07	2.490243E+08	5.946146E+08	6.945547E+07	5.297827E+07	9.158891E+07	7.000391E+08	4479163	-109.7
1993 10	5100367	7.16936	74.39972	0	72.36131	.1688379	220	5.792701E-03	2.613061E-02	.4643337	4.049484E+07	5.267338E+07	4.326603E+07	2.490208E+08	5.945388E+08	6.944934E+07	5.29706E+07	9.159108E+07	7.000403E+08	5100367	-109.7
1993 11	1.823408E+07	6.413038	39.13899	0	10.63998	.1900895	220	1.368817E-02	7.973392E-02	3.233373	4.048304E+07	5.266832E+07	4.326595E+07	2.490113E+08	5.945033E+08	6.944379E+07	5.293849E+07	9.158315E+07	7.001606E+08	1.823408E+07	-109.7
1994 0	2.204957E+07	6.321712	36.22708	0	9.047815	.1928074	220	.0134348	9.122308E-02	3.109332	4.047498E+07	5.266331E+07	4.326542E+07	2.489932E+08	5.944492E+08	6.943786E+07	5.291938E+07	9.157369E+07	7.000707E+08	2.204957E+07	-109.7
1994 1	2.060071E+07	6.336377	37.37639	0	9.948339	.1917036	220	1.479431E-02	8.642484E-02	2.860786	4.046481E+07	5.26538E+07	4.326478E+07	2.489792E+08	5.943937E+08	6.943193E+07	5.290018E+07	9.15679E+07	7.000333E+08	2.060071E+07	-109.7
1994 2	9672974	6.703626	50.13817	0	18.63036	.1816157	220	9.926127E-03	5.196123E-02	1.30287	4.04537E+07	5.265333E+07	4.326478E+07	2.489644E+08	5.943437E+08	6.942661E+07	5.288239E+07	9.156008E+07	7.000427E+08	96	

1996 4. 2.867229E+06 6.043271E+14 5.933005E+15 5.571235E+15 4.441929E+15 5.847674E+13 2.514174E+15 1.572796E+12 12
1996 5 2.867229E+06 5.576052E+14 5.092725E+15 4.842376E+15 5.716687E+15 5.862464E+13 5.122434E+15 3.870369E+12
1996 6 2.867229E+06 5.189457E+15 1.078238E+15 6.457001E+15 7.513577E+15 5.040335E+15 5.123796E+12 12
1996 7 2.867229E+06 5.166445E+12 3.611693E+15 5.942359E+12 6.238159E+15 5.942359E+12 5.942359E+12 5.910635E+06
1996 8 2.867229E+06 9.972334E+12 3.079428E+15 6.479099E+12 5.434743E+15 5.699252E+11 7.645717E+15 1.003693E+09
1996 9 2.867229E+06 1.923096E+12 2.687795E+15 8.186265E+12 4.830305E+15 7.235771E+11 7.994005E+15 1.281140E+09
1996 10 2.867229E+06 5.6229984E+13 2.57449E+15 9.39349E+12 4.380777E+15 5.064154E+11 6.260468E+15 1.511007E+09
1996 11 2.867229E+06 4.678021E+12 2.089394E+15 1.043694E+15 5.934944E+15 9.244114E+11 8.378052E+15 1.647832E+09
1997 0 2.867229E+06 1.099308E+14 1.832032E+15 1.106053E+15 5.96064E+15 9.804204E+11 8.235288E+15 1.730209E+09
1997 1 2.867229E+06 1.780267E+14 1.668924E+15 1.154267E+15 3.273545E+15 1.026951E+12 8.257899E+13 1.835734E+09
1997 2 2.867229E+06 2.767399E+14 1.530234E+15 1.196909E+15 3.094564E+15 1.06299E+12 8.342893E+13 1.898889E+09
1997 3 2.867229E+06 4.153541E+14 1.430083E+15 1.237802E+15 2.930571E+15 1.117181E+12 8.304422E+13 1.997428E+09
1997 4 2.867229E+06 6.048625E+14 1.362066E+15 1.306007E+15 2.821835E+15 1.160086E+12 8.619452E+13 2.075538E+09
1997 5 2.867229E+06 8.381076E+14 1.283235E+15 1.330637E+15 2.707201E+15 1.199823E+12 8.779918E+13 2.147842E+09
1997 6 2.867229E+06 1.189931E+15 1.216394E+15 1.38604E+15 2.610252E+15 1.231717E+12 8.8268E+13 2.203195E+09
1997 7 2.867229E+06 5.134763E+12 1.011567E+15 3.94259E+12 2.336707E+15 5.474044E+12 7.114987E+13 2.595753E+08
1997 8 2.867229E+06 9.66881E+12 8.720728E+14 4.879099E+12 1.232894E+15 5.733335E+12 7.643717E+13 1.007753E+09
1997 9 2.867229E+06 1.898711E+14 1.686231E+12 1.980207E+15 7.263349E+11 7.994005E+15 1.284765E+13 2.084739E+09
1997 10 2.867229E+06 3.99779E+13 6.47678E+14 9.39349E+12 1.85634E+15 8.517601E+11 8.26046E+13 1.513181E+09
1997 11 2.867229E+06 6.436293E+16 6.11718E+14 1.043694E+15 1.723577E+15 9.267009E+11 8.27895E+13 1.630354E+09
1998 0 2.867229E+06 1.097714E+14 5.482305E+14 1.160535E+15 1.60951E+15 9.122548E+11 9.253288E+13 1.752611E+09
1998 1 2.867229E+06 1.778659E+14 4.99407E+14 1.158267E+15 1.32334E+15 1.024732E+12 8.257899E+13 1.837906E+09
1998 2 2.867229E+06 2.765911E+14 4.682667E+14 1.196909E+15 1.473397E+15 1.06466E+12 8.342893E+13 1.900882E+09
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1998 6 2.867229E+06 1.189817E+15 3.818994E+14 1.38604E+15 1.361417E+15 1.233006E+12 8.8268E+13 2.206733E+09
1998 7 2.867229E+06 4.829078E+12 3.209232E+14 3.94259E+12 1.305447E+15 5.320472E+11 7.114987E+13 2.595753E+08
1998 8 2.867229E+06 9.389074E+12 2.862364E+14 4.879099E+12 1.236189E+15 5.727738E+11 7.643717E+13 1.007753E+09
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1998 10 2.867229E+06 3.578992E+12 3.97783E+14 1.09349E+12 1.186111E+15 5.47722E+11 8.26046E+13 1.528191E+09
1998 11 2.867229E+06 6.439538E+13 2.196324E+15 1.043694E+15 1.136411E+15 9.29339E+11 8.27895E+13 1.667070E+09
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1999 1 2.867229E+06 1.77715E+14 1.88875E+14 1.158267E+15 1.03868E+15 1.03048E+12 8.37895E+13 1.848315E+09
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1999 4 2.867229E+06 6.046133E+14 1.693369E+14 1.306007E+15 1.036946E+15 1.162325E+12 8.619452E+13 2.083651E+09
1999 5 2.867229E+06 8.378738E+14 1.644459E+14 1.330637E+15 1.03288E+15 1.202769E+12 8.779918E+13 2.17335E+09
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1999 8 2.867229E+06 9.171375E+12 1.306839E+14 4.679099E+12 1.023393E+15 5.89484E+11 7.643717E+13 1.084551E+09
1999 9 2.867229E+06 1.855469E+13 1.233207E+14 1.818263E+12 1.015718E+15 7.32991E+11 7.994005E+15 1.284765E+13
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2000 1 2.867229E+06 1.776022E+14 1.064218E+14 1.158267E+15 9.352754E+14 1.03281E+12 8.27895E+13 1.880733E+09
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2000 3 2.867229E+06 4.149878E+14 1.038202E+14 1.238837E+15 9.338046E+14 1.123197E+12 8.306351E+13 2.03778E+09
2000 4 2.867229E+06 6.045199E+14 1.028661E+14 1.306863E+15 9.37409E+14 1.163611E+12 8.621231E+13 2.113097E+09
2000 5 2.867229E+06 8.377862E+14 1.020767E+14 1.331362E+15 9.39483E+14 1.204921E+12 8.731427E+13 2.182928E+09
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2000 7 2.867229E+06 4.42934E+12 8.88818E+13 3.94259E+12 9.361436E+14 3.992136E+11 7.114987E+13 2.59909E+08
2000 8 2.867229E+06 9.0499E+12 8.933112E+13 6.49999E+12 9.691697E+13 8.83333E+11 7.643717E+13 1.173033E+09
2000 9 2.867229E+06 1.844909E+13 8.999013E+13 1.186265E+12 9.619123E+14 7.30409E+11 7.994005E+15 1.284765E+13
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2000 11 2.867229E+06 6.416842E+13 7.371901E+13 1.043694E+15 9.390314E+14 9.334129E+11 8.27895E+13 1.762386E+09
2001 0 2.867229E+06 1.094037E+14 5.743648E+13 1.106053E+15 9.173079E+14 9.881768E+11 8.235288E+13 1.851349E+09
2001 1 2.867229E+06 1.77378E+14 1.451263E+13 1.158267E+15 9.02466E+14 1.05407E+12 8.257899E+13 1.925777E+09
2001 2 2.867229E+06 2.762876E+14 4.443419E+13 1.196909E+15 9.009658E+14 1.069576E+12 8.342893E+13 1.962913E+09
2001 3 2.867229E+06 4.149328E+14 8.499449E+13 1.237802E+15 9.076722E+14 1.123314E+12 8.304422E+13 2.073679E+09
2001 4 2.867229E+06 6.046684E+14 8.523358E+13 1.306007E+15 9.110895E+14 1.163623E+12 8.619452E+13 2.148721E+09
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2001 7 2.867229E+06 4.57476E+12 7.9983E+13 3.94259E+12 9.368773E+14 3.609404E+11 7.114987E+13 2.537319E+08
2001 8 2.867229E+06 9.003589E+12 7.840658E+13 4.679099E+12 9.431487E+14 5.843175E+11 7.643717E+13 1.227496E+09
2001 9 2.867229E+06 1.840833E+13 8.796018E+13 8.186265E+12 9.47003E+14 7.338833E+11 7.994005E+15 1.284765E+13
2001 10 2.867229E+06 3.548921E+13 8.089718E+13 9.39349E+12 9.48319E+14 8.601576E+11 8.26046E+13 1.581181E+09
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2002 4 2.067229E+04 6.044498E+14 8.038031E+13 1.306007E+13 9.040083E+14 1.166234E+12 8.619432E+13 2.171151E+09
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2002 6 2.067229E+04 1.189345E+15 8.171663E+13 1.386036E+13 9.12185E+14 1.2716E+12 8.826E+13 2.289943E+09
2002 7 2.067229E+04 1.538272E+15 8.235807E+13 1.394259E+12 9.217612E+14 1.367001E+12 8.91497E+13 2.378827E+09
2002 8 2.067229E+04 1.989399E+15 8.275300E+13 1.467909E+12 9.408077E+14 1.546149E+12 9.764371E+13 2.46291E+09
2002 9 2.067229E+04 1.879667E+15 8.7349E+13 1.818623E+12 9.439267E+14 1.761418E+12 9.994083E+13 1.492058E+09
2002 10 2.067229E+04 3.547851E+15 8.787345E+13 9.9349E+12 9.430006E+14 1.680381E+12 8.26046E+13 1.69335E+09
2002 11 2.067229E+04 6.412804E+15 8.722493E+13 1.043694E+13 9.231946E+14 9.342363E+11 8.278099E+13 1.810911E+09
2003 0 2.067229E+04 1.0957901E+14 7.754003E+13 1.108033E+13 9.030818E+14 9.89208E+11 8.235288E+13 1.893367E+09
2002 1 2.067229E+04 1.773038E+14 7.71709E+13 1.158267E+13 8.914996E+14 1.034738E+12 8.257809E+13 1.964344E+09
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2002 4 2.067229E+04 6.044477E+14 7.933918E+13 1.306007E+13 9.022317E+14 1.166361E+12 8.619432E+13 2.191398E+09
2002 5 2.067229E+04 8.577138E+14 8.000581E+13 1.339637E+13 9.06319E+14 1.203711E+12 8.729981E+13 2.240303E+09
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2002 7 2.067229E+04 1.535723E+15 8.164863E+13 1.432459E+12 9.304072E+14 1.3607974E+12 8.91497E+13 2.365131E+09
2002 8 2.067229E+04 8.983741E+14 7.472891E+13 6.47909E+12 9.39633E+14 5.846974E+11 7.643717E+13 1.251746E+09
2002 9 2.067229E+04 1.893332E+15 7.667904E+13 8.18623E+12 9.439247E+14 7.362157E+12 9.994083E+13 1.49578E+09
2002 10 2.067229E+04 3.547537E+15 7.804335E+13 9.9349E+12 9.41194E+14 8.60444E+11 8.26046E+13 1.69973E+09
2002 11 2.067229E+04 6.412546E+15 7.770817E+13 1.043694E+13 9.244226E+14 9.54311E+11 8.278099E+13 1.813964E+09
2003 0 2.067229E+04 1.093678E+14 7.708400E+13 1.106033E+13 9.044007E+14 9.886978E+11 8.235288E+13 1.89679E+09
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2002 9 2.067229E+04 1.89242E+13 7.63012E+13 8.18623E+12 9.436239E+14 7.362329E+11 7.994083E+13 1.498068E+09
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2002 3 2.067229E+04 4.149023E+14 7.822334E+13 1.237802E+13 9.073388E+14 1.123937E+12 8.504422E+13 2.11139E+09
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2002 7 2.067229E+04 4.352181E+12 7.134322E+13 3.94239E+12 9.299337E+14 5.608306E+11 7.643717E+13 1.251746E+09
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2002 10 2.067229E+04 3.547436E+13 7.788737E+13 9.9349E+12 9.438152E+14 8.604977E+11 8.26046E+13 1.701137E+09
2002 11 2.067229E+04 6.412457E+13 7.735493E+13 1.043694E+13 9.24136E+14 9.343306E+11 8.278099E+13 1.815223E+09
2003 0 2.067229E+04 1.09367E+14 7.69309E+13 1.108033E+13 9.041615E+14 9.88962E+11 8.235288E+13 1.897901E+09
2002 1 2.067229E+04 1.773031E+14 7.66243E+13 1.158267E+13 8.906776E+14 1.034797E+12 8.257809E+13 1.968236E+09
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2002 3 2.067229E+04 4.149029E+14 7.819623E+13 1.237802E+13 9.07312E+14 1.12394E+12 8.504422E+13 2.111572E+09
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2002 5 2.067229E+04 8.577117E+14 7.992777E+13 1.339637E+13 9.03877E+14 1.203735E+12 8.729981E+13 2.240782E+09
2002 6 2.067229E+04 1.189358E+15 8.022764E+13 1.386044E+13 9.099368E+14 1.23751E+12 8.826E+13 2.29973E+09
2002 7 2.067229E+04 4.32094E+12 7.13261E+13 3.94239E+12 9.29917E+14 5.608304E+11 7.643717E+13 1.251746E+09
2002 8 2.067229E+04 8.984388E+12 7.443321E+13 6.47909E+12 9.390432E+14 5.847217E+11 7.643717E+13 1.251746E+09
2002 9 2.067229E+04 1.89212E+13 7.64411E+13 8.18623E+12 9.42367E+14 7.36233E+11 7.994083E+13 1.498306E+09
2002 10 2.067229E+04 3.547431E+13 7.787627E+13 9.9349E+12 9.438046E+14 8.604709E+11 8.26046E+13 1.701234E+09
2002 11 2.067229E+04 6.412453E+13 7.732488E+13 1.043693E+13 9.241468E+14 9.343317E+11 8.278099E+13 1.815294E+09
2003 0 2.067229E+04 1.093696E+14 7.69224E+13 1.108033E+13 9.041573E+14 9.88977E+11 8.235288E+13 1.89793E+09
2002 1 2.067229E+04 1.77309E+14 7.661081E+13 1.158267E+13 8.906704E+14 1.034797E+12 8.257809E+13 1.968292E+09
2002 2 2.067229E+04 2.762355E+14 7.712923E+13 1.196909E+13 8.900528E+14 1.07024E+12 8.342393E+13 2.021504E+09
2002 3 2.067229E+04 4.149029E+14 7.819164E+13 1.237802E+13 9.073088E+14 1.12394E+12 8.504422E+13 2.11162E+09
2002 4 2.067229E+04 6.044046E+14 7.892221E+13 1.306007E+13 9.015615E+14 1.166405E+12 8.619432E+13 2.182336E+09
2002 5 2.067229E+04 8.577117E+14 7.998968E+13 1.339637E+13 9.038922E+14 1.203735E+12 8.729981E+13 2.240303E+09
2002 6 2.067229E+04 1.189358E+15 8.02231E+13 1.386044E+13 9.099314E+14 1.23751E+12 8.826E+13 2.29976E+09
2002 7 2.067229E+04 4.32073E+12 7.132136E+13 3.94239E+12 9.299132E+14 5.608306E+11 7.643717E+13 1.251746E+09
2002 8 2.067229E+04 8.984388E+12 7.443133E+13 6.47909E+12 9.39239E+14 5.84723E+11 7.643717E+13 1.251746E+09
2002 9 2.067229E+04 1.89212E+13 7.64576E+13 8.18623E+12 9.42363E+14 7.36239E+11 7.994083E+13 1.49831E+09
1.920577E+10 4.611099E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.934207E+08 6.932833E+07 5.23648E+07 9.143124E+08 6.93233E+08 0 304.8
1.983232E+10 4.76762E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.934207E+08 6.932833E+07 5.23648E+07 9.143124E+08 6.93233E+08 0 304.8
2.082334E+10 5.012883E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.934207E+08 6.932833E+07 5.23648E+07 9.143124E+08 6.93233E+08 0 304.8
2.160706E+10 5.207179E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.934207E+08 6.932833E+07 5.23648E+07 9.143124E+08 6.93233E+08 0 304.8
2.233331E+10 5.3871E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.934207E+08 6.932833E+07 5.23648E+07 9.143124E+08 6.93233E+08 0 304.8
2.2909E+10 5.529757E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.934207E+08 6.932833E+07 5.23648E+07 9.143124E+08 6.93233E+08 0 304.8
6.913758E+09 1.53093E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.934207E+08 6.932833E+07 5.23648E+07 9.143124E+08 6.93233E+08 0 304.8
1.102139E+10 2.53321E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.934207E+08 6.932833E+07 5.23648E+07 9.143124E+08 6.93233E+08 0 304.8
1.572651E+10 3.241688E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.934207E+08 6.932833E+07 5.23648E+07 9.143124E+08 6.93233E+08 0 304.8
1.606115E+10 3.809867E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.934207E+08 6.932833E+07 5.23648E+07 9.143124E+08 6.93233E+08 0 304.8
1.741009E+10 4.1304E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.934207E+08 6.932833E+07 5.23648E+07 9.143124E+08 6.93233E+08 0 304.8
1.840631E+10 4.403136E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.934207E+08 6.932833E+07 5.23648E+07 9.143124E+08 6.93233E+08 0 304.8
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2.18318E+10 5.209934E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.934207E+08 6.932833E+07 5.23648E+07 9.143124E+08 6.93233E+08 0 304.8
2.236109E+10 5.389688E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.934207E+08 6.932833E+07 5.23648E+07 9.143124E+08 6.93233E+08 0 304.8
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1.104187E+10 2.533181E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.934207E+08 6.932833E+07 5.23648E+07 9.143124E+08 6.93233E+08 0 304.8
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2007 10 2.867229E+04 3.547449E+13 7.787332E+13 9.39549E+12 9.438011E+14 8.604712E+11 8.260468E+13 1.70126E+09
2007 11 2.867229E+04 6.412432E+13 7.732224E+13 9.39494E+12 9.438011E+14 8.604712E+11 8.260468E+13 1.70126E+09
2008 0 2.867229E+04 1.093669E+14 7.692006E+13 1.106035E+13 9.041532E+14 8.898775E+11 8.253288E+13 1.897982E+09
2008 1 2.867229E+04 1.761473E+14 7.661435E+13 1.158267E+13 9.06664E+14 1.034770E+12 8.257895E+13 1.968307E+09
2008 2 2.867229E+04 2.762351E+14 7.714452E+13 1.198182E+13 9.060306E+14 1.071417E+12 8.343694E+13 2.023277E+09
2008 3 2.867229E+04 4.149026E+14 7.820236E+13 1.238837E+13 9.074697E+14 1.124896E+12 8.306631E+13 2.113047E+09
2008 4 2.867229E+04 6.044404E+14 7.890140E+13 1.269803E+13 9.015174E+14 1.167204E+12 8.321521E+13 2.183048E+09
2008 5 2.867229E+04 8.577115E+14 7.939378E+13 1.331362E+13 9.03839E+14 1.206415E+12 8.731427E+13 2.248982E+09
2008 6 2.867229E+04 1.189557E+15 8.022736E+13 1.386633E+13 9.098933E+14 1.278773E+12 8.827966E+13 2.300537E+09
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2009 4 2.867229E+04 6.044404E+14 7.88906E+13 1.306007E+13 9.015444E+14 1.166409E+12 8.619432E+13 2.182333E+09
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2011 8 2.867229E+04 8.984332E+12 7.444999E+13 6.479098E+12 9.392576E+14 5.847277E+11 7.645717E+13 1.25377E+09
2011 9 2.867229E+04 1.839209E+13 7.64366E+13 8.186263E+12 9.423618E+14 7.362399E+11 7.994083E+13 1.49834E+09
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2012 4 2.867229E+04 6.044404E+14 7.890107E+13 1.306863E+13 9.01568E+14 1.167204E+12 8.321521E+13 2.183048E+09
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2013 0 2.867229E+04 1.093669E+14 7.691975E+13 1.106035E+13 9.041308E+14 8.898775E+11 8.253288E+13 1.897984E+09
2013 1 2.867229E+04 1.77303E+14 7.661431E+13 1.158267E+13 9.06663E+14 1.034799E+12 8.257895E+13 1.96831E+09
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2013 3 2.867229E+04 4.149029E+14 7.818909E+13 1.237802E+13 9.074882E+14 1.123941E+12 8.304422E+13 2.116163E+09
2013 4 2.867229E+04 6.044404E+14 7.88906E+13 1.306007E+13 9.015442E+14 1.166409E+12 8.619432E+13 2.182333E+09
2013 5 2.867229E+04 8.577117E+14 7.93870E+13 1.330637E+13 9.038741E+14 1.203736E+12 8.729981E+13 2.248044E+09
2013 6 2.867229E+04 1.189558E+15 8.022037E+13 1.38604E+13 9.099344E+14 1.237315E+12 8.826E+13 2.299777E+09

2013 7 2.067229E+04 4.532063E+12 7.132011E+13 3.942399E+12 9.298991E+14 3.608331E+11 7.114967E+13 8.066966E+09
2013 8 2.067229E+04 8.984331E+12 7.443011E+13 1.382637E+13 9.922777E+14 5.047277E+11 7.645717E+13 1.233769E+09
2013 9 2.067229E+04 1.839209E+13 7.643669E+12 8.186263E+12 9.435333E+14 7.362399E+11 7.994068E+13 1.498339E+09
2013 10 2.067229E+04 3.547449E+13 7.787233E+13 9.934399E+12 9.437922E+14 8.604713E+11 8.260468E+13 1.701267E+09
2013 11 2.067229E+04 6.412451E+13 7.732145E+13 1.043604E+13 9.241364E+14 9.345332E+11 8.378939E+13 1.815319E+09
2014 0 2.067229E+04 1.093669E+14 7.691934E+13 1.106033E+13 9.041482E+14 9.88975E+11 8.253288E+13 1.97996E+09
2014 1 2.067229E+04 1.773033E+14 7.661411E+13 1.382637E+13 9.906233E+14 1.034798E+12 8.257889E+13 1.968312E+09
2014 2 2.067229E+04 2.762335E+14 7.712702E+13 1.196909E+13 9.900432E+14 1.070249E+12 8.342893E+13 2.021523E+09
2014 3 2.067229E+04 4.149029E+14 7.818932E+13 1.257802E+13 9.973017E+14 1.123941E+12 8.304422E+13 2.116376E+09
2014 4 2.067229E+04 6.044404E+14 7.889049E+13 1.306007E+13 9.013508E+14 1.166409E+12 8.619432E+13 2.182335E+09
2014 5 2.067229E+04 8.577117E+14 7.958492E+13 1.330637E+13 9.038835E+14 1.203730E+12 8.729941E+13 2.248046E+09
2014 6 2.067229E+04 1.189538E+15 8.022022E+13 1.38604E+13 9.099435E+14 1.237315E+12 8.8268E+13 2.299779E+09
2014 7 2.067229E+04 4.332063E+12 7.131998E+13 3.942399E+12 9.299043E+14 3.608331E+11 7.114967E+13 8.066966E+09
2014 8 2.067229E+04 8.984331E+12 7.443001E+13 6.479098E+12 9.392333E+14 5.047277E+11 7.645717E+13 1.233777E+09
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2015 5 2.067229E+04 8.577117E+14 7.938487E+13 1.330637E+13 9.03889E+14 1.203730E+12 8.729981E+13 2.248047E+09
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2015 7 2.067229E+04 4.332062E+12 7.131993E+13 3.942399E+12 9.299108E+14 3.608331E+11 7.114967E+13 8.066969E+09
2015 8 2.067229E+04 8.984331E+12 7.444959E+13 6.479098E+12 9.39237E+14 5.047277E+11 7.645717E+13 1.233778E+09
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2016 4 2.067229E+04 6.044016E+14 7.890107E+13 1.306368E+13 9.015163E+14 1.167204E+12 8.612315E+13 2.183308E+09
2016 5 2.067229E+04 8.577115E+14 7.939333E+13 1.331362E+13 9.038347E+14 1.206415E+12 8.731437E+13 2.248986E+09
2016 6 2.067229E+04 1.189537E+15 8.022648E+13 1.386033E+13 9.099233E+14 1.237875E+12 8.827966E+13 2.300361E+09
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2019 5. 2.067229E+08 6.377117E+14 7.934447E+13 1.306357E+13 9.038899E+14 1.203756E+12 8.264047E+09
2019 6. 2.067229E+08 6.118035E+13 8.022018E+13 1.386048E+13 9.099484E+14 1.637315E+12 8.42678E+13 2.799718E+09
2019 7. 2.067229E+08 4.352026E+12 7.131979E+13 9.94239E+12 9.299108E+14 1.606331E+11 7.114977E+13 8.866699E+09
2019 8. 2.067229E+08 8.984338E+12 7.444998E+13 6.479008E+12 9.392375E+14 8.947777E+11 7.645717E+13 1.23377E+09
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2020 4. 2.067229E+08 6.044401E+14 7.890107E+13 1.306853E+13 9.015165E+14 1.167204E+12 8.621315E+13 2.183304E+09
2020 5. 2.067229E+08 8.377115E+14 7.939333E+13 1.313623E+13 9.03887E+14 1.206415E+12 8.731427E+13 2.248986E+09
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2024 1. 2.067229E+08 1.773031E+14 7.661404E+13 1.136267E+13 9.06673E+14 1.034794E+12 8.237869E+13 1.968912E+09
2024 2. 2.067229E+08 2.762331E+14 7.714385E+13 1.198182E+13 9.800296E+14 1.071417E+12 8.343694E+13 2.023377E+09
2024 3. 2.067229E+08 4.149026E+14 7.820236E+13 1.238837E+13 9.974687E+14 1.124896E+12 8.306318E+13 2.113047E+09
2024 4. 2.067229E+08 6.044401E+14 7.890107E+13 1.306853E+13 9.015165E+14 1.167204E+12 8.621315E+13 2.183304E+09
2024 5. 2.067229E+08 8.377115E+14 7.939333E+13 1.313623E+13 9.03887E+14 1.206415E+12 8.731427E+13 2.248986E+09
2024 6. 2.067229E+08 1.189357E+13 8.022645E+13 1.386433E+13 9.098921E+14 1.237878E+12 8.827966E+13 2.306361E+09
2024 7. 2.067229E+08 4.352065E+12 7.132035E+13 9.94239E+12 9.298644E+14 1.606331E+11 7.114977E+13 8.866924E+09
2024 8. 2.067229E+08 8.984338E+12 7.443049E+13 6.479008E+12 9.391983E+14 8.947777E+11 7.645717E+13 1.233768E+09
2024 9. 2.067229E+08 1.839209E+13 7.643701E+13 8.186263E+12 9.423277E+14 7.362399E+11 7.994083E+13 1.498336E+09
2024 10. 2.067229E+08 3.547449E+13 7.787268E+13 9.39549E+12 9.437703E+14 8.604714E+11 8.260468E+13 1.701265E+09
2024 11. 2.067229E+08 6.412451E+13 7.752177E+13 1.043694E+13 9.241168E+14 9.343321E+11 8.27895E+13 1.813317E+09
2025 0. 2.067229E+08 1.163107E+14 7.691973E+13 1.106035E+13 9.041308E+14 9.89475E+11 8.153288E+13 1.897994E+09
2.164879E+10 5.211094E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.93407E+08 6.932833E+07 5.236485E+07 9.143124E+08 6.93233E+08 0 304.8
2.237235E+10 5.390772E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.93407E+08 6.932833E+07 5.236485E+07 9.143124E+08 6.93233E+08 0 304.8
2.294394E+10 5.333223E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.93407E+08 6.932833E+07 5.236485E+07 9.143124E+08 6.93233E+08 0 304.8
6.944877E+09 1.334118E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.93407E+08 6.932833E+07 5.236485E+07 9.143124E+08 6.93233E+08 0 304.8
1.10495E+10 2.35392E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.93407E+08 6.932833E+07 5.236485E+07 9.143124E+08 6.93233E+08 0 304.8
1.380704E+10 3.344041E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.93407E+08 6.932833E+07 5.236485E+07 9.143124E+08 6.93233E+08 0 304.8
1.608283E+10 3.811935E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.93407E+08 6.932833E+07 5.236485E+07 9.143124E+08 6.93233E+08 0 304.8
1.742891E+10 4.152222E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.93407E+08 6.932833E+07 5.236485E+07 9.143124E+08 6.93233E+08 0 304.8
1.842312E+10 4.404735E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.93407E+08 6.932833E+07 5.236485E+07 9.143124E+08 6.93233E+08 0 304.8
1.925734E+10 4.613936E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.93407E+08 6.932833E+07 5.236485E+07 9.143124E+08 6.93233E+08 0 304.8
1.990073E+10 4.777259E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.93407E+08 6.932833E+07 5.236485E+07 9.143124E+08 6.93233E+08 0 304.8
2.084646E+10 5.021235E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.93407E+08 6.932833E+07 5.236485E+07 9.143124E+08 6.93233E+08 0 304.8
2.166236E+10 5.214558E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.93407E+08 6.932833E+07 5.236485E+07 9.143124E+08 6.93233E+08 0 304.8
2.238369E+10 5.39363E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.93407E+08 6.932833E+07 5.236485E+07 9.143124E+08 6.93233E+08 0 304.8
2.293457E+10 5.533623E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.93407E+08 6.932833E+07 5.236485E+07 9.143124E+08 6.93233E+08 0 304.8
2.353479E+10 5.71117E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.93407E+08 6.932833E+07 5.236485E+07 9.143124E+08 6.93233E+08 0 304.8
2.413094E+10 5.89191E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.93407E+08 6.932833E+07 5.236485E+07 9.143124E+08 6.93233E+08 0 304.8
2.472891E+10 6.07197E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.93407E+08 6.932833E+07 5.236485E+07 9.143124E+08 6.93233E+08 0 304.8
2.532735E+10 6.251995E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.93407E+08 6.932833E+07 5.236485E+07 9.143124E+08 6.93233E+08 0 304.8
2.592735E+10 6.431936E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.93407E+08 6.932833E+07 5.236485E+07 9.143124E+08 6.93233E+08 0 304.8
2.652735E+10 6.611936E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.93407E+08 6.932833E+07 5.236485E+07 9.143124E+08 6.93233E+08 0 304.8
2.712735E+10 6.791973E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.93407E+08 6.932833E+07 5.236485E+07 9.143124E+08 6.93233E+08 0 304.8
2.772735E+10 6.971973E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.93407E+08 6.932833E+07 5.236485E+07 9.143124E+08 6.93233E+08 0 304.8
2.832735E+10 7.151973E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.93407E+08 6.932833E+07 5.236485E+07 9.143124E+08 6.93233E+08 0 304.8
2.892735E+10 7.331973E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.93407E+08 6.932833E+07 5.236485E+07 9.143124E+08 6.93233E+08 0 304.8
2.952735E+10 7.511973E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.93407E+08 6.932833E+07 5.236485E+07 9.143124E+08 6.93233E+08 0 304.8
3.012735E+10 7.691973E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.93407E+08 6.932833E+07 5.236485E+07 9.143124E+08 6.93233E+08 0 304.8
3.072735E+10 7.871973E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.93407E+08 6.932833E+07 5.236485E+07 9.143124E+08 6.93233E+08 0 304.8
3.132735E+10 8.051973E+11 4.028781E+07 5.236763E+08 7.34678E+07 4.323649E+08 2.486992E+08 5.93407E+08 6.932833E+07 5.236485

2023 1 2.867229E+06 1.891902E+14 7.661431E+15 1.192807E+15 8.906465E+14 1.034799E+12 8.257809E+15 1.96831E+09 1.925733E+10 4.613959E+11 4.028781E+07 5.236763E+08 7.54678E+07 4.323649E+08 2.486992E+08 5.934207E+08 6.932833E+07 5.236448E+07 9.143124E+08 6.93233E+08 0 304.8

Cumulative Flows and Concentrations Per Time Interval for Layer 1: PE Water

YEAR	Month	Vol (m ³ /yr)	pH	Alb(mg/L)	Acid	SO4(mg/L)	Al (mg/L)	Cu	Oil (mg/L)	Cu (mg/L)	Zn (mg/L)	1:Strom (kg)	1:NTPmm (kg)	2:Strom (kg)	2:NTPmm (kg)	3:Strom (kg)	3:NTPmm (kg)	4:Strom (kg)	4:NTP mm (kg)	5:Strom (kg)	5:NTP (kg)	Pump #2 Water Flow (m)
1995	7	6.00329E+07	9.323228	468.0934	0	4574.208	1.204715	220	4.794418E-04	1.091073E-05	3.691718E-05	4.02959E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.487083E+08	5.934325E+08	6.933171E+07	5.237583E+07	9.143571E+08	6.933077E+08	126.0326
1995	8	1.231647E+08	9.496933	541.8421	0	4292.918	1.117253	220	4.931424E-04	8.471304E-04	2.511702E-05	4.02959E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.487083E+08	5.934302E+08	6.933077E+07	5.237093E+07	9.143571E+08	6.933077E+08	190.9731
1995	9	1.879633E+08	9.766286	681.5942	0	4413.938	1.124337	220	2.879531E-04	5.696093E-04	1.372897E-05	4.02959E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.487008E+08	5.934265E+08	6.932894E+07	5.236664E+07	9.143204E+08	6.932971E+08	239.8469
1995	10	2.484169E+08	10.06177	876.7064	0	4630.508	1.073494	220	2.046411E-04	3.683267E-04	7.076295E-04	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	282.3121
1995	11	2.867229E+08	10.44889	1219.238	0	5034.95	1.01039	220	1.308153E-04	2.083109E-04	2.97018E-04	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	304.8
1996	0	2.867229E+08	10.95139	1870.749	0	5930.222	9.39106E-02	220	7.318152E-05	9.933636E-05	9.632571E-05	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	304.8
1996	1	2.867229E+08	11.43364	2821.29	0	7309.938	0.085989	220	4.190948E-05	4.880363E-05	5.263134E-05	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	304.8
1996	2	2.867229E+08	11.88726	4152.262	0	9304.097	0.066155E-02	220	2.480835E-05	2.301247E-05	1.179815E-05	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	304.8
1996	3	2.867229E+08	12.30927	5948.806	0	12005.01	7.530948E-02	220	1.531163E-05	1.342974E-05	4.579009E-06	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	304.8
1996	4	2.867229E+08	12.70117	8306.799	0	15492.06	7.101012E-02	220	9.683047E-06	7.337898E-06	1.901537E-06	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	304.8
1996	5	2.867229E+08	13.06613	11336.21	0	19938.02	6.706615E-02	220	6.330439E-06	4.402282E-06	8.386899E-07	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	304.8
1996	6	2.867229E+08	13.40093	15153.53	0	23307.46	6.338117E-02	220	4.282724E-06	2.664178E-06	3.902414E-07	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	304.8
1996	7	2.867229E+08	13.8858	12382.71	0	21721.8	6.579215E-02	220	5.152319E-06	3.67543E-06	6.372734E-07	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	304.8
1996	8	2.867229E+08	14.29987	107140	189.549	6.776353E-02	220	6.833922E-06	4.833482E-06	9.730315E-07	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	304.8	
1996	9	2.867229E+08	14.83948	9243.644	0	16917.05	6.948894E-02	220	8.23238E-06	6.16793E-06	1.394257E-06	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	304.8
1996	10	2.867229E+08	15.09284	8248.016	0	15278.61	7.110287E-02	220	9.7768E-07	631068E-08	1.957217E-05	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	304.8
1996	11	2.867229E+08	15.34158	7250.734	0	13223.86	7.280694E-02	220	1.164472E-05	9.536551E-06	2.71965E-06	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	304.8
1997	0	2.867229E+08	15.39888	6420.734	0	12418.4	7.445199E-02	220	1.373293E-05	1.176844E-05	3.745364E-06	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	304.8
1997	1	2.867229E+08	15.37354	5780.288	0	11417.24	7.590798E-02	220	1.383724E-05	1.411416E-05	4.938848E-06	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	304.8
1997	2	2.867229E+08	15.12802	5064.951	0	10792.87	7.695111E-05	220	1.753332E-05	1.605721E-05	6.099779E-06	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	304.8
1997	3	2.867229E+08	15.10831	5313.575	0	10290.67	7.791307E-02	220	1.92101E-05	1.805326E-05	7.183141E-06	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	304.8
1997	4	2.867229E+08	15.03392	4704.913	0	9841.749	0.078830	220	2.093977E-05	2.015067E-05	8.491007E-06	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	304.8
1997	5	2.867229E+08	15.196283	4428.144	0	9441.873	7.971243E-02	220	2.273239E-05	2.237363E-05	9.598249E-06	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	304.8
1997	6	2.867229E+08	15.18991	4194.063	0	9103.744	0.0805132	220	2.447349E-05	2.438282E-05	1.149111E-05	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	304.8
1997	7	2.867229E+08	15.09122	3513.582	0	8149.706	8.317585E-02	220	3.117783E-05	3.390404E-05	1.831283E-05	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	304.8
1997	8	2.867229E+08	15.15311	301.592	0	7458.867	0.083528	220	3.823121E-05	4.341187E-05	2.730418E-05	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	304.8
1997	9	2.867229E+08	15.16291	2636.306	0	6906.345	8.736324E-02	220	5.479067E-05	5.416793E-05	3.824057E-05	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	304.8
1997	10	2.867229E+08	15.22634	2364.99	0	6474.476	8.943333E-02	220	5.324386E-05	6.622429E-05	5.192327E-05	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	304.8
1997	11	2.867229E+08	15.08345	2097.081	0	6011.3	9.145124E-02	220	6.26767E-05	8.152946E-05	7.124848E-05	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	304.8
1998	0	2.867229E+08	10.93515	1873.532	0	3613.467	9.336335E-02	220	7.30329E-05	9.907948E-05	9.385878E-05	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	304.8
1998	1	2.																				

2000 11	2.867229E+04	8.674028	268.7761	0	3275.118	1.1354031	220	1.017743E-03	2.848338E-03	1.399036E-02	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2001 0	2.867229E+04	8.63609	260.405	0	3199.284	1.141811	220	1.002383E-03	2.806779E-03	1.724499E-02	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2001 1	2.867229E+04	8.609307	234.357	0	3147.522	1.1347619	220	1.096801E-03	3.009133E-03	1.438808E-02	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2001 2	2.867229E+04	8.601801	232.737	0	3142.288	1.1349204	220	1.106339E-03	3.028453E-03	0.0187002	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2001 3	2.867229E+04	8.601013	232.5661	0	3163.677	1.134937	220	1.107367E-03	3.172133E-03	0.073326E-02	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2001 4	2.867229E+04	8.597426	231.7934	0	3177.326	1.1350128	220	1.111960E-03	3.180947E-03	0.188843E-02	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2001 5	2.867229E+04	8.595043	231.2847	0	3190.569	1.1350331	220	1.113033E-03	3.200166E-03	0.189377E-02	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2001 6	2.867229E+04	8.594173	231.0986	0	3202.985	1.1350816	220	1.116137E-03	3.204237E-03	1.902284E-02	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2001 7	2.867229E+04	8.594902	231.2545	0	3267.536	1.1350662	220	1.113217E-03	3.200835E-03	1.899178E-02	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2001 8	2.867229E+04	8.593036	230.8805	0	3296.384	1.1351032	220	1.117593E-03	3.209333E-03	1.907042E-02	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2001 9	2.867229E+04	8.589175	230.0515	0	3303.283	1.1351874	220	1.128284E-03	3.227959E-03	1.923728E-02	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2001 10	2.867229E+04	8.582804	248.678	0	3307.442	1.1353223	220	1.130922E-03	3.25841E-03	1.951414E-02	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2001 11	2.867229E+04	8.536713	243.2114	0	3236.59	1.135762	220	1.163544E-03	3.386151E-03	2.069006E-02	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2002 0	2.867229E+04	8.530345	237.9489	0	3163.589	1.1364341	220	1.201344E-03	3.519269E-03	2.194073E-02	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2002 1	2.867229E+04	8.512144	234.1257	0	3117.297	1.1368305	220	1.227332E-03	3.616687E-03	2.287169E-02	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2002 2	2.867229E+04	8.51148	234.0172	0	3114.326	1.136842	220	1.228109E-03	3.619333E-03	0.0223891	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2002 3	2.867229E+04	8.511066	235.1335	0	3139.637	1.1367223	220	1.220206E-03	3.589883E-03	2.261403E-02	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2002 4	2.867229E+04	8.511846	235.4902	0	3135.177	1.1366843	220	1.217699E-03	3.580451E-03	2.253293E-02	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2002 5	2.867229E+04	8.521333	235.9897	0	3167.722	1.136631	220	1.214203E-03	3.567302E-03	2.239867E-02	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2002 6	2.867229E+04	8.524669	236.6614	0	3181.415	1.136597	220	1.209533E-03	3.549885E-03	2.223172E-02	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2002 7	2.867229E+04	8.537728	239.3094	0	3249.692	1.1362807	220	1.191408E-03	3.482203E-03	2.159001E-02	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2002 8	2.867229E+04	8.544632	240.7232	0	3281.243	1.1361331	220	1.181911E-03	3.446834E-03	2.125730E-02	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2002 9	2.867229E+04	8.547067	241.2200	0	3292.122	1.1360816	220	1.178617E-03	3.43461E-03	2.114233E-02	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2002 10	2.867229E+04	8.545648	240.9293	0	3295.867	1.1361119	220	1.180532E-03	0.0034418	2.120994E-02	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2002 11	2.867229E+04	8.523488	236.4234	0	3226.79	1.1365849	220	1.211181E-03	3.53605E-03	2.229066E-02	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2003 0	2.867229E+04	8.530089	231.8397	0	3136.645	1.1370751	220	1.243648E-03	3.677992E-03	0.0234643	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2003 1	2.867229E+04	8.484766	228.7153	0	3109.272	1.1374136	220	1.286404E-03	3.764869E-03	2.451298E-02	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2003 2	2.867229E+04	8.486282	229.047	0	3106.902	1.1373429	220	1.264405E-03	3.736466E-03	2.423044E-02	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2003 3	2.867229E+04	8.49373	230.3048	0	3132.722	1.1372228	220	1.233668E-03	3.713468E-03	0.0236291	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2003 4	2.867229E+04	8.497066	231.1608	0	3146.702	1.1375112	220	1.248744E-03	3.697243E-03	2.363149E-02	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2003 5	2.867229E+04	8.500937	231.9286	0	3161.635	1.1376076	220	1.243137E-03	0.0036761	2.344394E-02	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2003 6	2.867229E+04	8.50355	232.828	0	3175.69	1.1369702	220	1.236629E-03	3.631573E-03	2.320031E-02	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2003 7	2.867229E+04	8.522668	236.1377	0	3244.934	1.1366133	220	1.213171E-03	3.563499E-03	2.236176E-02	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2003 8	2.867229E+04	8.531437	238.034	0	3277.223	1.1364146	220	1.200076E-03	3.514334E-03	2.195482E-02	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2003 9	2.867229E+04	8.533628	238.8914	0	3288.027	1.1363256	220	1.194304E-03	3.492998E-03	2.169194E-02	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2003 10	2.867229E+04	8.535381	238.6719	0	3292.794	1.1363266	220	1.194375E-03	3.493431E-03	2.169436E-02	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2003 11	2.867229E+04	8.531405	238.8719	0	3224.097	1.1367772	220	1.223623E-03	3.603435E-03	2.174477E-02	4.028781E+07	5.236763E+04	7.34678E+07	4.323649E+04	2.486992E+04	5.934207E+04	6.932833E+07	5.236448E+07	9.143124E+04	6.93233E+04	0	304.8
2004 0	2.867229E+04	8.																				

2006 8 2.067229E+00 8.52674 237.075 0 2275.787 .1363154 220 1.206637E-03 5.539049E-05 2.218063E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2006 9 2.067229E+00 8.531344 238.0516 0 3287.378 .1364128 220 1.206637E-03 5.534084E-05 2.189136E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2006 10 2.067229E+00 8.531989 238.1421 0 3291.696 .1364032 220 1.199348E-03 5.511779E-05 2.0218697 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2006 11 2.067229E+00 8.531989 238.1421 0 3291.696 .1364032 220 1.228063E-03 5.620486E-05 2.259062E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2007 0 2.067229E+00 8.448652 229.7054 0 3153.418 .1373105 220 1.239491E-03 5.757861E-05 2.404805E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2007 1 2.067229E+00 8.474408 226.8188 0 3106.36 .13763 220 1.228128E-03 5.820326E-05 2.486208E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2007 2 2.067229E+00 8.477808 227.9192 0 3104.227 .1373809 220 1.27919E-03 5.807726E-05 2.473543E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2007 3 2.067229E+00 8.445221 228.8308 0 3130.331 .1374638 220 1.263958E-03 5.762346E-05 2.428819E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2007 4 2.067229E+00 8.449131 229.6953 0 3144.373 .1373217 220 1.260249E-03 5.74073E-05 2.407613E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2007 5 2.067229E+00 8.493141 230.4678 0 3139.469 .1372269 220 1.233842E-03 5.0037165 2.340919E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2007 6 2.067229E+00 8.498328 231.4491 0 3173.626 .1371198 220 1.246634E-03 5.689283E-05 2.351402E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2007 7 2.067229E+00 8.516384 234.9968 0 3243.247 .1367369 220 1.221168E-03 5.593473E-05 2.264864E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2007 8 2.067229E+00 8.526673 237.066 0 3275.775 .1365168 220 1.20873E-03 5.539397E-05 2.213199E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2007 9 2.067229E+00 8.531486 238.0399 0 3287.367 .136414 220 1.200036E-03 5.514380E-05 2.189442E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2007 10 2.067229E+00 8.531939 238.1317 0 3291.686 .1364043 220 1.199406E-03 5.51204E-05 2.187211E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2007 11 2.067229E+00 8.511257 233.9727 0 3223.127 .1368468 220 1.228426E-03 5.620725E-05 2.251037E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2008 0 2.067229E+00 8.449611 226.8974 0 3153.411 .1373114 220 1.259531E-03 5.820806E-05 2.403025E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2008 1 2.067229E+00 8.474771 226.8116 0 3108.373 .1376308 220 1.281342E-03 5.820731E-05 2.486413E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2008 2 2.067229E+00 8.477126 227.2672 0 3104.149 .13736 220 1.277839E-03 5.807496E-05 2.473315E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2008 3 2.067229E+00 8.448338 238.8433 0 3130.494 .1374054 220 1.263933E-03 5.762321E-05 2.428773E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2008 4 2.067229E+00 8.449139 229.695 0 3144.211 .1373215 220 1.260134E-03 5.740668E-05 2.407572E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2008 5 2.067229E+00 8.493538 230.4673 0 3139.283 .1372269 220 1.233846E-03 5.716515E-05 2.383935E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2008 6 2.067229E+00 8.4981515 231.4465 0 3173.424 .13712 220 1.246635E-03 5.68935E-05 2.357472E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2008 7 2.067229E+00 8.516373 234.9947 0 3243.079 .1367372 220 1.221184E-03 5.59333E-05 2.264922E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2008 8 2.067229E+00 8.526663 237.0642 0 3275.633 .136517 220 1.208743E-03 5.59414E-05 2.219242E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2008 9 2.067229E+00 8.531478 238.0384 0 3287.244 .1364142 220 1.200047E-03 5.514421E-05 2.189479E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2008 10 2.067229E+00 8.531932 238.1304 0 3291.376 .1364043 220 1.199418E-03 5.512073E-05 2.187231E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2008 11 2.067229E+00 8.511231 233.9716 0 3223.032 .1368469 220 1.228434E-03 5.620736E-05 2.251008E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2009 0 2.067229E+00 8.449606 229.6964 0 3153.327 .1373115 220 1.259538E-03 5.758113E-05 2.045035 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2009 1 2.067229E+00 8.474766 226.8107 0 3108.298 .1376309 220 1.28135E-03 5.820731E-05 2.486413E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2009 2 2.067229E+00 8.477047 227.2518 0 3104.15 .1375817 220 1.277796E-03 5.80794B-05 2.473514E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2009 3 2.067229E+00 8.445185 228.8329 0 3130.16 .1374063 220 1.260113E-03 5.762347E-05 2.429016E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2009 4 2.067229E+00 8.448098 229.397 0 3144.305 .1373224 220 1.260298E-03 5.740914E-05 2.407794E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2009 5 2.067229E+00 8.493309 230.467 0 3139.07 .1372276 220 1.233867E-03 5.68672E-05 2.384086E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2009 6 2.067229E+00 8.498989 231.4453 0 3173.368 .1371204 220 1.246676E-03 5.68943E-05 2.357358E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2009 7 2.067229E+00 8.51636 234.9921 0 3243.198 .1367375 220 1.221201E-03 5.593399E-05 2.264948E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2009 8 2.067229E+00 8.526633 237.062 0 3275.733 .1365173 220 1.208738E-03 5.539519E-05 2.313299E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2009 9 2.067229E+00 8.531468 238.0364 0 3287.332 .1364144 220 1.200006E-03 5.514474E-05 2.18926E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2009 10 2.067229E+00 8.531923 238.1287 0 3291.635 .1364046 220 1.199433E-03 5.512219E-05 2.187232E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2009 11 2.067229E+00 8.511244 233.97 0 3223.1 .136471 220 1.228484E-03 5.620797E-05 2.251125E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2010 0 2.067229E+00 8.448939 229.695 0 3153.347 .1373116 220 1.259567E-03 5.75815E-05 2.04306E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2010 1 2.067229E+00 8.47476 226.8095 0 3108.532 .137631 220 1.281359E-03 5.820795E-05 2.486474E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2010 2 2.067229E+00 8.477041 227.2306 0 3104.2 .1375819 220 1.277944E-03 5.80772E-05 2.473798E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2010 3 2.067229E+00 8.483179 228.8318 0 3130.206 .1374067 220 1.260918E-03 5.762379E-05 2.429047E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2010 4 2.067229E+00 8.448993 229.3961 0 3144.349 .1373223 220 1.260303E-03 5.740948E-05 2.407819E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2010 5 2.067229E+00 8.493305 230.4608 0 3139.448 .1372276 220 1.233938E-03 5.68949E-05 2.357543E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2010 6 2.067229E+00 8.498944 231.4424 0 3243.23 .1367375 220 1.221207E-03 5.593619E-05 2.263005E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2010 7 2.067229E+00 8.516336 234.9914 0 3243.23 .1367375 220 1.221207E-03 5.593619E-05 2.263005E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2010 8 2.067229E+00 8.52665 237.0615 0 3275.76 .1365173 220 1.206762E-03 5.539516E-05 2.315317E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2010 9 2.067229E+00 8.531466 238.0359 0 3287.333 .1364144 220 1.200046E-03 5.514489E-05 2.021894 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2010 10 2.067229E+00 8.53192 238.1282 0 3291.675 .1364047 220 1.199433E-03 5.512124E-05 2.187307E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207E+00 6.932833E+07 5.236448E+07 9.143124E+00 6.93233E+00 0 304.8

2010 11 2.067229E+00 8.511243 233.9696 0 3223.118 .1368471 220 1.228444E-03 5.620807E-05 2.251153E-02 4.028781E+07 5.236763E+00 7.54678E+07 4.523649E+00 2.486992E+00 5.934207

2012 5	2.867229E+08	8.493529	230.4654	0	3159.383	.1372271	220	1.239858E-03	5.716562E-03	2.363901E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2012 6	2.867229E+08	8.498507	231.4448	0	3173.421	.1371202	220	1.246665E-03	5.689402E-03	2.37517E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2012 7	2.867229E+08	8.516266	234.9933	0	3243.077	.1367373	220	1.221193E-03	5.393368E-03	2.264956E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2012 8	2.867229E+08	8.26659	237.063	0	3275.631	.1363171	220	1.206753E-03	5.390471E-03	.0221327	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2012 9	2.867229E+08	8.531473	238.0373	0	3287.342	.1364143	220	1.200034E-03	5.51445E-03	2.189302E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2012 10	2.867229E+08	8.531927	238.1295	0	3291.576	.1364046	220	1.199434E-03	.0035121	2.187274E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2012 11	2.867229E+08	8.531347	233.9707	0	3223.051	.136847	220	1.228441E-03	5.620781E-03	.0229111	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2013 0	2.867229E+08	8.489602	229.6937	0	3133.326	.1373115	220	1.239363E-03	7.378134E-03	2.403071E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2013 1	2.867229E+08	8.474763	226.8101	0	3106.297	.1376309	220	1.281334E-03	5.820779E-03	2.488438E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2013 2	2.867229E+08	8.477043	227.2512	0	3104.149	.1375818	220	1.277981E-02	5.807961E-03	2.473773E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2013 3	2.867229E+08	8.483182	228.8323	0	3130.139	.1374066	220	1.268013E-03	5.762363E-03	2.429032E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2013 4	2.867229E+08	8.489093	229.5963	0	3144.305	.1373234	220	1.260302E-03	5.74093E-03	2.407809E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2013 5	2.867229E+08	8.493307	230.4612	0	3139.406	.1372276	220	1.233898E-03	5.716682E-03	2.384098E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2013 6	2.867229E+08	8.498496	231.4429	0	3173.367	.1371203	220	1.246681E-03	5.689459E-03	2.337573E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2013 7	2.867229E+08	8.516338	234.9917	0	3243.198	.1367373	220	1.221204E-02	5.393609E-03	2.264959E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2013 8	2.867229E+08	8.526651	237.0617	0	3273.733	.1363173	220	1.206761E-03	5.395911E-03	2.213308E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2013 9	2.867229E+08	8.531467	238.0362	0	3287.332	.1364144	220	1.200062E-03	5.514479E-03	2.189313E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2013 10	2.867229E+08	8.531922	238.1285	0	3291.633	.1364047	220	1.199431E-03	5.512124E-03	2.187298E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2013 11	2.867229E+08	8.531243	233.9698	0	3223.099	.136847	220	1.228447E-03	6.620801E-03	.0229113	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2014 0	2.867229E+08	8.489398	229.6949	0	3133.387	.1373116	220	1.239369E-03	5.738153E-03	2.403091E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2014 1	2.867229E+08	8.474739	226.8094	0	3106.351	.137631	220	1.281365E-03	.0038208	.0248648	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2014 2	2.867229E+08	8.47704	227.2305	0	3104.2	.1375819	220	1.277989E-03	5.807978E-03	2.473791E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2014 3	2.867229E+08	8.483179	228.8317	0	3130.206	.1374067	220	1.268019E-03	5.762379E-03	2.429047E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2014 4	2.867229E+08	8.489093	229.5939	0	3144.349	.1373225	220	1.260303E-03	5.740948E-03	2.407819E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2014 5	2.867229E+08	8.493303	230.4607	0	3139.447	.1372277	220	1.233894E-03	5.716698E-03	2.384113E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2014 6	2.867229E+08	8.498494	231.4424	0	3173.606	.1371203	220	1.246683E-03	5.689496E-03	2.337583E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2014 7	2.867229E+08	8.516336	234.9913	0	3243.233	.1367373	220	1.221207E-03	5.393619E-03	2.263007E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2014 8	2.867229E+08	8.52665	237.0613	0	3273.76	.1363173	220	1.206762E-03	5.395916E-03	2.213315E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2014 9	2.867229E+08	8.531466	238.0338	0	3287.333	.1364144	220	1.200064E-03	5.514487E-03	.0218934	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2014 10	2.867229E+08	8.53192	238.1282	0	3291.673	.1364047	220	1.199433E-03	5.512134E-03	2.187707E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2014 11	2.867229E+08	8.531242	233.9698	0	3223.103	.1368471	220	1.228444E-03	6.620807E-03	2.291133E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2015 0	2.867229E+08	8.489397	229.6947	0	3133.403	.1373116	220	1.239377E-03	5.738162E-03	2.403096E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2015 1	2.867229E+08	8.474738	226.8093	0	3106.365	.137631	220	1.281361E-03	5.820806E-03	2.488438E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2015 2	2.867229E+08	8.477038	227.2303	0	3104.213	.1375819	220	1.277983E-03	5.807988E-03	2.473802E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2015 3	2.867229E+08	8.483178	228.8316	0	3130.218	.1374067	220	1.268021E-03	5.762394E-03	2.429033E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2015 4	2.867229E+08	8.489091	229.5937	0	3144.36	.1373225	220	1.260308E-03	5.740931E-03	2.403079E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2015 5	2.867229E+08	8.493304	230.4605	0	3139.438	.1372277	220	1.233896E-03	5.716703E-03	2.384118E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.323649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2015 6	2.867229E+08	8.498499	231.4423	0	3173.618	.1371203	220	1.246685E-03	5.689													

2018 2	2.867229E+08	8.47704	227.2305	0	5104.2	.1573819	220	1.277986E-03	5.807978E-05	2.473791E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2018 3	2.867229E+08	8.483179	228.8317	0	5130.206	.1574067	220	1.268019E-03	5.762379E-05	2.429044E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2018 4	2.867229E+08	8.489305	229.3939	0	5144.349	.1573223	220	1.269030E-03	5.740944E-05	2.407819E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2018 5	2.867229E+08	8.493905	230.4607	0	5139.447	.1572277	220	1.233804E-03	5.716699E-05	2.384113E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2018 6	2.867229E+08	8.498494	231.4424	0	5175.606	.1571205	220	1.246683E-03	5.689469E-05	2.357383E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2018 7	2.867229E+08	8.516336	234.9913	0	5243.23	.1367373	220	1.211207E-03	5.393619E-05	2.263003E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2018 8	2.867229E+08	8.52665	237.0613	0	5257.76	.1363173	220	1.206762E-03	5.359316E-05	2.215313E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2018 9	2.867229E+08	8.531466	238.0338	0	5237.333	.1364144	220	1.200064E-03	5.314489E-05	.0218934	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2018 10	2.867229E+08	8.531922	238.1282	0	5291.675	.1364047	220	1.199433E-03	5.312134E-05	2.187307E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2018 11	2.867229E+08	8.511242	235.9696	0	5223.117	.1368471	220	1.228444E-03	5.620807E-05	2.291133E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2019 0	2.867229E+08	8.489397	229.6947	0	5133.403	.1573116	220	1.239375E-03	5.738163E-05	2.403096E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2019 1	2.867229E+08	8.477458	226.8091	0	5106.363	.137631	220	1.281361E-03	5.820806E-05	2.486443E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2019 2	2.867229E+08	8.477038	227.2303	0	5104.213	.1573419	220	1.277988E-03	5.807988E-05	2.473802E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2019 3	2.867229E+08	8.483178	228.8316	0	5130.218	.1574067	220	1.268021E-03	5.762384E-05	2.429033E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2019 4	2.867229E+08	8.489091	229.3937	0	5144.36	.1573223	220	1.269030E-03	5.740951E-05	2.407829E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2019 5	2.867229E+08	8.493304	230.4605	0	5139.458	.1572277	220	1.233806E-03	5.716703E-05	2.384118E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2019 6	2.867229E+08	8.498493	231.4422	0	5173.616	.1571205	220	1.246683E-03	5.689473E-05	2.357388E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2019 7	2.867229E+08	8.516336	234.9912	0	5243.238	.1367376	220	1.211208E-03	5.393624E-05	2.263009E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2019 8	2.867229E+08	8.526649	237.0612	0	5275.767	.1363173	220	1.206764E-03	5.359312E-05	2.215317E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2019 9	2.867229E+08	8.531466	238.0338	0	5287.361	.1364144	220	1.200064E-03	5.314489E-05	.0218934	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2019 10	2.867229E+08	8.531922	238.1281	0	5291.681	.1364047	220	1.199433E-03	5.312134E-05	2.187307E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2019 11	2.867229E+08	8.511241	233.9693	0	5223.122	.1368471	220	1.228449E-03	5.620812E-05	.0229114	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2020 0	2.867229E+08	8.489396	229.6946	0	5133.407	.1573117	220	1.239375E-03	5.738163E-05	2.403102E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2020 1	2.867229E+08	8.477458	226.8091	0	5106.369	.137631	220	1.281361E-03	5.820806E-05	2.486443E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2020 2	2.867229E+08	8.477115	227.2648	0	5104.145	.1573803	220	1.277876E-03	5.807363E-05	2.473379E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2020 3	2.867229E+08	8.483227	228.8411	0	5130.091	.1574036	220	1.26935E-03	5.763213E-05	2.424788E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2020 4	2.867229E+08	8.489128	229.605	0	5144.206	.1573217	220	1.268023E-03	5.746746E-05	2.407629E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2020 5	2.867229E+08	8.493329	230.4634	0	5139.282	.1572271	220	1.233807E-03	5.716562E-05	2.389913E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2020 6	2.867229E+08	8.498307	231.4448	0	5173.421	.1571202	220	1.246663E-03	5.689402E-05	2.357317E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2020 7	2.867229E+08	8.516366	234.9943	0	5243.077	.1367373	220	1.211193E-03	5.398468E-05	2.264936E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2020 8	2.867229E+08	8.526639	237.063	0	5275.631	.1363171	220	1.20673E-03	5.399471E-05	.0221327	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2020 9	2.867229E+08	8.531473	238.0373	0	5287.343	.1364143	220	1.200043E-03	5.31443E-05	2.189302E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2020 10	2.867229E+08	8.531927	238.1295	0	5291.376	.1364046	220	1.199434E-03	.0031121	2.187274E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2020 11	2.867229E+08	8.511247	233.9707	0	5223.051	.136847	220	1.228441E-03	5.620781E-05	.0229111	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2021 0	2.867229E+08	8.489602	229.6937	0	5133.326	.1573113	220	1.239365E-03	5.738134E-05	2.403071E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2021 1	2.867229E+08	8.477603	226.8101	0	5106.297	.1376309	220	1.281334E-03	5.820779E-05	2.486438E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2021 2	2.867229E+08	8.477043	227.2312	0	5140.149	.1573818	220	1.277981E-03	5.807961E-05	2.473771E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2021 3	2.867229E+08	8.483182	228.8323	0	5130.139																	

2023	11	2.867229E+08	8.511241	233.9693	0	3223.122	.1368471	220	1.228449E-03	3.620812E-03	.0229114	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2024	0	2.867229E+08	8.489396	229.6946	0	3153.407	.1373117	220	1.339572E-03	3.738165E-03	2.405102E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2024	1	2.867229E+08	8.474758	226.8091	0	3106.369	.137631	220	1.281361E-03	3.820806E-03	2.486485E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2024	2	2.867229E+08	8.477115	227.2648	0	3104.145	.1373803	220	1.777876E-03	3.80736E-03	2.473379E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2024	3	2.867229E+08	8.483227	228.8411	0	3130.091	.1374036	220	1.26395E-03	3.762315E-03	2.438788E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2024	4	2.867229E+08	8.489128	229.603	0	3144.308	.1373217	220	1.260233E-03	3.740746E-03	2.407629E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2024	5	2.867229E+08	8.493529	230.4634	0	3139.282	.1372271	220	1.233838E-03	3.716362E-03	2.383981E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2024	6	2.867229E+08	8.498307	231.4448	0	3173.421	.1371202	220	1.246663E-03	3.689402E-03	2.35717E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2024	7	2.867229E+08	8.516366	234.3933	0	3243.077	.1367373	220	1.221193E-03	3.593568E-03	2.264936E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2024	8	2.867229E+08	8.526639	237.063	0	3273.631	.1363171	220	1.20675E-03	3.539471E-03	.0221327	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2024	9	2.867229E+08	8.531473	238.0373	0	3287.342	.1364143	220	1.200034E-03	3.51443E-03	2.189302E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2024	10	2.867229E+08	8.531927	238.1293	0	3291.576	.1364046	220	1.199424E-03	.0033121	2.187274E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2024	11	2.867229E+08	8.511247	233.9707	0	3223.031	.136847	220	1.228441E-03	3.620781E-03	.0229111	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2025	0	2.867229E+08	8.489602	229.6937	0	3153.326	.1373113	220	1.339363E-03	3.738134E-03	2.403071E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8
2025	1	2.867229E+08	8.474763	226.8101	0	3106.297	.1376309	220	1.281354E-03	3.820779E-03	2.486458E-02	4.028781E+07	5.236763E+08	7.54678E+07	4.523649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.236448E+07	9.143124E+08	6.93233E+08	0	304.8

2008	5	4.4982E+07	10.56451	17101.28	0	9780.709	5.394172E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	6	4.4982E+07	10.56234	17041.61	0	9751.042	5.421274E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	7	4.4982E+07	10.56014	16981.65	0	9721.326	5.448739E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	8	4.4982E+07	10.55809	16925.79	0	9693.92	5.474551E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	9	4.4982E+07	10.55661	16871.53	0	9667.259	5.49982E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	10	4.4982E+07	10.55361	16804.25	0	9633.254	5.531427E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2008	11	4.4982E+07	10.55183	16756.29	0	9610.144	5.554149E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	0	4.4982E+07	10.55027	16714.25	0	9590.548	5.574195E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	1	4.4982E+07	10.54869	16671.91	0	9570.762	5.594498E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	2	4.4982E+07	10.54728	16634.19	0	9553.168	5.612703E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	3	4.4982E+07	10.54284	16515.77	0	9489.628	5.670503E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	4	4.4982E+07	10.53267	16248.27	0	9340.179	5.804866E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	5	4.4982E+07	10.53059	16193.81	0	9313.495	5.832877E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	6	4.4982E+07	10.52841	16137.32	0	9285.461	5.862183E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	7	4.4982E+07	10.52622	16080.54	0	9257.387	5.891895E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	8	4.4982E+07	10.52417	16027.65	0	9231.511	5.919793E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	9	4.4982E+07	10.52217	15976.28	0	9206.335	5.947117E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	10	4.4982E+07	10.51968	15912.98	0	9174.17	5.981294E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2009	11	4.4982E+07	10.51791	15867.17	0	9152.373	6.005852E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2010	0	4.4982E+07	10.51634	15827.36	0	9133.93	6.027528E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2010	1	4.4982E+07	10.51477	15787.27	0	9115.303	6.049482E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2010	2	4.4982E+07	10.51336	15751.56	0	9098.743	6.069168E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2010	3	4.4982E+07	10.50891	15639.43	0	9038.44	6.131668E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2010	4	4.4982E+07	10.49875	15386.13	0	8896.302	6.276945E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2010	5	4.4982E+07	10.49666	15334.57	0	8871.109	6.307234E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2010	6	4.4982E+07	10.49449	15281.08	0	8844.622	6.338923E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2010	7	4.4982E+07	10.4923	15227.32	0	8818.102	6.371038E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2010	8	4.4982E+07	10.49025	15177.24	0	8793.674	6.401204E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2010	9	4.4982E+07	10.48825	15128.6	0	8769.904	6.430755E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2010	10	4.4982E+07	10.48576	15068.28	0	8739.482	6.467693E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2010	11	4.4982E+07	10.48399	15025.29	0	8718.929	6.494248E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	0	4.4982E+07	10.48242	14987.6	0	8701.576	6.517686E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	1	4.4982E+07	10.48085	14949.65	0	8684.048	6.541426E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	2	4.4982E+07	10.47944	14915.83	0	8668.466	6.562698E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	3	4.4982E+07	10.47499	14809.67	0	8611.229	6.630281E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	4	4.4982E+07	10.46483	14569.81	0	8476.013	6.787371E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	5	4.4982E+07	10.46274	14520.98	0	8452.231	6.820123E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	6	4.4982E+07	10.46057	14470.34	0	8427.209	6.854374E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	7	4.4982E+07	10.45838	14419.44	0	8402.16	6.8891E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	8	4.4982E+07	10.45633	14372.02	0	8379.104	6.92172E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	9	4.4982E+07	10.45433	14325.97	0	8356.665	6.953652E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	10	4.4982E+07	10.45185	14268.86	0	8327.895	6.9936E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2011	11	4.4982E+07	10.45007	14228.15	0	8308.519	7.022313E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	0	4.4982E+07	10.44851	14192.47	0	8292.198	7.047642E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	1	4.4982E+07	10.44693	14156.53	0	8275.71	7.073312E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	2	4.4982E+07	10.44547	14123.38	0	8260.532	7.09714E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	3	4.4982E+07	10.44103	14022.87	0	8206.208	7.170211E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	4	4.4982E+07	10.43087	13795.78	0	8077.563	7.340078E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	5	4.4982E+07	10.42878	13749.55	0	8055.121	7.375497E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	6	4.4982E+07	10.42661	13701.6	0	8031.485	7.412538E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	7	4.4982E+07	10.42441	13653.42	0	8007.832	7.450075E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	8	4.4982E+07	10.42237	13608.52	0	7986.075	7.48535E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-1.85856	1689522	2369637	0	737
2012	9	4.4982E+07	10.42037	13564.92	0	7964.899	7.519883E-05	2349096	3183897	1272427	1211178								