

APPENDIX A

Well Test Plan

WELL TEST PLAN

TIERRA DEL SOL SOLAR FARM SAN DIEGO COUNTY, TIERRA DEL SOL, CALIFORNIA



Prepared by:

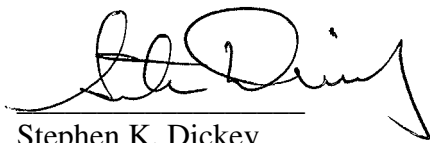
DUDEK

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JULY 2012

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1. Introduction

1.1. Purpose of the Well Test Plan

This Well Test Plan was prepared on behalf of Tierra Del Sol, LLC by Dudek for submittal to County of San Diego Department of Planning and Land Use (DPLU) to satisfy groundwater resource investigation scoping requirements outlined in *Guidelines for Determining Significance and Report Format and Content Requirements – Groundwater Resources* (DPLU, 2007). The Tierra Del Sol Solar Farm will, as much as feasible, use on-site groundwater as a source of supply to meet construction and operational water demands for the 444 acre concentrated photovoltaic (CPV) Tierra Del Sol Solar Farm (Project Site) located in Unincorporated San Diego County, Tierra Del Sol, California (Figures 1). The watershed for the Project Site is defined as the Hipass Hydrologic Subarea (911.85) which is contained within the Campo Hydrologic Area (911.80) and all within the Tijuana Hydrologic Unit (911.00); (Figure 2).

The intent of this Well Test Plan is to establish methods and procedures for conducting an aquifer test of Well B and for analysis of the aquifer test data measured at Well B. The aquifer test and analysis will be used to measure hydraulic properties of the local fractured bedrock aquifer in the immediate area of Well B, and to assess the ability of this on-site groundwater resource to meet the water demands of the project. In addition, groundwater dependent habitat identified on the Project Site and near the Project Site will be evaluated to determine potential impacts from groundwater withdrawal at Well B.

2. Geology

The Project Site is located on the eastern portion of the Peninsular Range geomorphic province which is a series of northwest-oriented mountain ranges extending from the Transverse Ranges near Los Angeles south through the Baja California peninsula. The Project Site geology consists of a thin cover of residual soil and weathered granitic rock overlying granitic bedrock, designated as Cretaceous age La Posta Tonalite (Figure 4; reference USGS OFR 2004-1361, Victoria Todd, 2004).

3. Proposed Aquifer Test: Well B

The aquifer test using Well B as a pumping well will be conducted in accordance with section 67.703.2 of the County of San Diego Groundwater Ordinance as well as the

3.1. Well B (Pumping Well)

Well B is located in the eastern portion of the Project Site (Figure 3). Well B was initially drilled as an exploratory borehole in April 2012 to a total depth of 1,311 feet below ground surface (BGS) using a 6 5/8-inch percussion air-rotary bit by Stehly Brothers Drilling, Inc. (Stehly) of Valley Center, California. The discharge rate while airlifting Well B during drilling of the 6 5/8 exploratory borehole was 75 gallons per minute (GPM). The majority of the groundwater production was observed to occur from fractures located below 1,000 feet. Table 1 below provides a summary of fractures encountered and their associated flow rates.

Table 1
Well B – Exploratory Borehole Total Flow and Change in Flow

Depth (feet bgs)	Notes	Total Flow (GPM)	Change in Flow (GPM)
7	Hammer begins firing	0	0
50-60	Tripped out of borehole at 86' bgs to insert temporary conductor casing and observed ~1 GPM flowing into borehole and down borehole wall.	<1	1
100	Air-percussion hammer does not fire, possible small void or fracture zone.	<1	0
160-163	Air-percussion hammer advances faster. Possible loose, fractured zone requires several attempts to penetrate below.	2.3 (at 186', end of stick)	1.3
286	No noticeable voids, fracture zones or change in lithology.	3.5	1.2
310-320	Air-percussion hammer advances faster. Possible loose, fractured zone. Drill cuttings show lithology shifts to more micaceous, with a higher percentage of biotite. Possibly responsible for the faster drilling.	0	0
361	Lithology shifts back to a more indurated, solid tonalite.	6	2.5
436	Drill cuttings indicate evidence of weathering/oxidation staining (rust-colored orange) on light grey tonalite.	5.6	-0.4
536	No noticeable voids, fracture zones or change in lithology.	8.7	3.1
611	No noticeable voids, fracture zones. Drill cuttings produced slightly larger fragments that had evidence of weathering and oxidation staining.	7.8	-0.9
661	No noticeable voids, fracture zones or change in lithology.	8.8	1
695-710	Air-percussion hammer advances faster. Loose or fractured zone.	9.6	0.8
761	Air-percussion hammer advances faster. Possible loose, fractured zone requires several attempts to penetrate below.	10	0.4
800	Lithology shifts from tonalite to more classical granitic composition.	7	-3
836	Lithology shift back to tonalite.	6	-1

Depth (feet bgs)	Notes	Total Flow (GPM)	Change in Flow (GPM)
851-853	Air-percussion hammer advances faster. Noticeable loose or fractured zone. No increase in flow. Lithology shift to granitic composition.	0	0
960-961	Air-percussion hammer advances faster. Noticeable loose or fractured zone. No increase in flow. Lithology is tonalite.	0	0
1,000-1,010	Air-percussion hammer advances faster. Possible loose, fractured zone requires several attempts to try and penetrate below. Zone is so loose that borehole is continuously filled with material from this zone.	20	14
1,036	Air-percussion hammer advances faster. Loose or fractured zone.	25	5
1,045-1,055	Air-percussion hammer advances faster. Loose or fractured zone.	0	0
1,111	Green mineral observed in drill cuttings, possibly a precipitate	30	5
1,195	Air-percussion hammer advances faster. Loose or fractured zone.	49	19
1,245-1,255	Pressure on air compressor rose 100 psi and drilling indicated loose, fractured zone.	75	26
1,311	Final depth and flow measurement.	75 ^a	-

^a The flow rate of the reamed borehole to 10 inches in diameter was measured at 120 GPM.

The pilot hole was drilled on April 18th and 25th 2012. A temporary 8 5/8" OD ASTM/ASME 5A536 steel conductor casing was set to 20 feet BGS and sealed with hydrated Hydroplug 3/8" bentonite pellets. The borehole simplified lithologic log is presented in Table 2 and a graphical log of the formations encountered by the pilot borehole is presented in Figure 8. The borehole lithology consisted primarily of weathered and unweathered granitic rock, medium to coarse grained, predominantly tonalite from 0 to 1,086 feet BGS. From 1,086 to 1,311 feet BGS, alternating zones of granodiorite and tonalite were encountered.

Table 2: Well B – Simplified Lithologic Log

Depth (Feet, BGS)	Description
0 – 1,086	Weathered and Unweathered White Granitic Rock - Tonalite
1,086 – 1,111	White Granitic Rock - Granodiorite
1,111 – 1,236	Angular White Granitic Rock - Tonalite
1,236 – 1,311	White Granitic Rock - Granodiorite

On July 9th 2012, the borehole was reamed to 16 inches in diameter from 0-53 feet BGS with a tri-cone drilling bit for installation of a permanent surface seal. The surface seal was set to the required minimum 50 feet BGS to meet California Department of Water Resources (DWR) standards for drinking water wells. The conductor casing (10.75-inch O.D. by 0.250-inch wall thickness Grade B Mild Steel) was installed to 53 feet BGS in 20 foot sections. Each casing joint was cleaned with a grinder, fitted and tack welded into position. The casing was arc welded, cleaned and then inspected before the casing

was lowered into the borehole. On July 10^h 2012, 10 sack sand/cement slurry was set from 0 to 53 feet BGS by tremie and high pressure trailer pump. A 1-inch diameter tremie pipe was installed to approximately 50 feet BGS. As the sand/cement slurry rose in the annulus between the borehole and conductor casing, tremie pipe was removed from the well. The final tremie depth was approximately 42 feet BGS when the sand/cement slurry was observed at the surface. A total of 3 cubic yards was set in the annulus. The theoretical volume of the borehole from 0 to 53 feet BGS was calculated to be 1.70 cubic yards. Therefore, the volume of cement set was greater than the theoretical volume. The greater volume was most likely due to wash-outs in the weathered granitic rock. The surface seal was inspected and approved by Peter Neubauer of the County of San Diego Department of Environmental Health (DEH).

On July 12th 2012, the borehole was reamed to 10 inches in diameter from 53 to approximately 500 feet BGS. During drilling activities on July 12, 2012, the hammer on Stehly's drill rig broke off and drilling ceased until the hammer was removed from the hole and repairs were made. Reaming activities resumed on July 16, 2012 and the borehole was reamed to 10 inches to a depth of 1,019 feet BGS. On July 19, 2012, 8-inch diameter by 0.188-inch wall thickness NEXSTEEL mild steel casing was installed to a depth of 1,019 feet BGS. The purpose of the 8" steel casing is to stabilize the borehole and prevent material from entering during airlifting and subsequent pumping. Well completion details are presented in Figure 9. While airlifting at total borehole depth, 120 GPM was produced.

Table 3: Well B – Construction Materials and Lengths/Volumes

Depth (Feet, BGS)	Borehole Diameter (Inches)	Material	Volume Set (Yards ³)	Theoretical Volume (Yards ³)
0-53	16	10.75-inch O.D. by 0.250-inch wall California Steel Industries A 53 Grade B Mild Steel Casing	NA	NA
0-53	16	Cement	3.0	1.70
53-1,019	10	8-inch O.D. by 0.188-inch wall NEXSTEEL Mild Steel Casing	NA	NA
1,019-1,311	6.625	Open-cased, granite borehole	NA	NA

3.2. On-site Wells (Monitoring Wells)

Well 1: Well 1 initially pumped at a rate of 30 GPM; however, this rate reduced to 21 GPM after 4 minutes, 14 GPM after 21 minutes and no water production after 23 minutes of pumping. The depth to water while pumping dropped from the static water level of 45.58 feet (below top of 1-inch PVC sounding tube) to the pump intake at 273 feet below top of casing during the first 23 minutes of pumping. This pumping rate indicates that the

higher pumping rates observed in Well 1 are the result of removing water from casing storage and that the fractured granitic rock formation is not capable of yielding more than a few GPM from this well. A video log of Well 1 indicated that it is in good condition and lined with 4-inch PVC to total depth of 282 feet.

Well 2: Well 2 was not pumped due to a short/fault of the existing down-hole wire to the submersible pump. The pump removed from the well was identified as a 1.5 horsepower pump. The pump was set 420 feet below top of casing (BTOC). Based on the expected pumping water level and performance curve of the pump the maximum well yield for Well 2 is in the probable range of 10 to 20 GPM. The actual pumping rate should be verified when the down-hole wiring is replaced. A video log of Well 2 indicated that the well is unlined (open to fractured granitic bedrock) to a total depth of 491.7 feet BTOC. Information provided by the property owners, Joe and Jan Brown, indicated that Well 2 was originally 600 feet deep. Loose broken material was observed predominantly between 459.8 and 473.7 feet BTOC and may be the source of the well obstruction between 491.7 and 600 feet.

Well 3: A California Department of Water Resources (DWR) Driller's Well Log was obtained from Frank's Drilling of Guatay, California. The DWR Well Log indicates the estimated yield of the well is three GPM. Frank Thing of Frank's Drilling also confirmed the low production rate of the well.

Well 4: Well 4 is obstructed at 26.1 feet below top of casing due to a pipe stuck in the well associated with the former windmill. According to the property owners, Well 4 was originally 150 feet deep and produced approximately 10 GPM.

Hand-dug Well: The Hand-dug Well onsite is dry to total depth of 25.6 feet below ground surface. The property owners report the Hand-dug well was originally 100 feet deep and produced approximately 3 GPM.

Well A: Well A was drilled by Stehly in April 2012 as an exploration well to 1,000 feet BGS. The final flow rate measured in Well A was 1.8 GPM. A fracture zone from 57 to 62 feet BGS produced 7 GPM during drilling indicating hydraulic connection to the shallow aquifer system in Well A.

Presented below in Table 2 is a summary of the On-site Wells' well depth and depth to water levels. Water level elevations and direction of flow are also presented graphically in Figure 5.

Table 4
On-site Wells – Well and Water Level Depth

Well On Site	Well Depth (feet)	Depth to Water (feet) ^e	Well Production (GPM)
Well 1.	282	48.85	2
Well 2. ^a	491.7	93.00	5
Well 3	911.8	79.51	3
Well 4 ^b	150	8.83	10
Hand-dug Well ^c	100	Dry to 25.6 feet BGS	3
Well A	1,000	48.00	1.8 ^d
Well B	1,311	40.13	120 ^d

^a Well No 2 was reported to be originally 600 feet deep by the property owner.

^b Well No 4 is reported to be 150 feet deep by the property owner. The well is currently obstructed at 25 feet below TOC with a pipe from the former windmill that was located on this well.

^c Hand-dug Well is dry and obstructed at 25.6 feet below ground surface. Property owner reports Hand-dug Well was originally 100 feet deep.

^d Airlifted production rate recorded at the end of drilling.

^e Water levels measured on June 25, 2012.

A submersible pump will be installed into Well B to sufficient depth to allow for constant rate pumping of the well for a period of up to 72 hours. In fractured rock aquifers, it is typical for the pumping level to draw down substantially to the depth of principal water bearing fractures under extended pumping at maximum rates. Therefore, we propose conducting a 12-hour step drawdown test to establish the optimal pumping rate for the 72-hour test. The flow rate for the constant rate test will likely be greater than 30 GPM. Prior to the step test, an In-Situ, Inc. Level Troll 700 pressure transducer/ datalogger or similar will be installed into a sounding tube in the pumping well (Well B) and into the well casings of five proposed observation wells (Well 1, Well 2, Well 3, Well 4 and Well A). Well 1 and Well 4 are located within 0.5-mile of Well B (Figure 4). In advance of the test, Dudek will contact property owners adjacent to the Project Site who have domestic wells located within 0.5-mile of Well B to inform them of the well tests and offer to monitor water levels during the well tests (Figure 6).

Automatic water level and flow rate readings will be recorded at a minimum of the following frequencies during each well test per County guidelines:

Table 5: Water Level and Flow Rate Monitoring Frequency

Time Since Pumping Started	Monitoring Frequency
0 to 10 minutes	30 seconds
>10 to 30 minutes	2 minutes
>30 minutes to 2 hours	10 minutes
>2 hours to 12 hours	30 minutes
>12 to 24 hours	1 hour

Prior to the step test and constant rate test, water levels will be recorded for a period of at least seven days to identify long-term trends. In addition, barometric pressure will be recorded throughout the period of water level measurements.

The recovery period from the step test as well as the 72-hour test will be a minimum of twice the duration of the pumping test and minimum recording frequency for water levels will be measured according to Table 1. Water level transducers will be left in the pumping well and observation wells for a period of at least seven days beyond the recovery period. Manual water level measurements will be recorded at the start of the test, periodically over the test interval and during recovery after pumping ceases in order to confirm the accuracy of the pressure transducer measurements. Flow will be measured using a Sensus in-line flow meter or similar equipped with a flow totalizer. Flow rates will be measured according to Table 1 while personnel are present on the Project Site during the tests. Field personnel will monitor flow rates and make adjustments as necessary to maintain the desired constant flow rate throughout the duration of the tests. A check valve will be installed in the discharge line to avoid backflow of water into the well when the pump is shut off.

The discharge pipeline will extend a minimum of 300 feet away from Well B and will be placed outside any surface water drainage. Water will be dispersed via sprinklers to enhance evaporation during the tests and avoid any discharge water from flowing into a downstream surface water body or drainage course. The well pump valving, flowmeter, and water level monitoring equipment will be tested at least 24 hours prior to the start of the tests in accordance with County guidelines.

4. Proposed Well Test Analysis

4.1. Aquifer Hydraulic Properties Analysis

Aquifer transmissivity (the rate at which water flows through a vertical strip of the aquifer 1 foot wide and extending through the full saturated thickness, under a hydraulic gradient of 1 or 100 percent) will be estimated using the Copper-Jacob approximation to the Theis equation (Cooper-Jacob 1946) as follows:

$$T = \frac{2.303 Q}{4 \pi \Delta s}$$

Where:

**T = transmissivity (feet²/day) [multiply by 7.48 to get units of gpd/ft]
Q = average pumping rate (feet²/day) [multiply GPM by 193]
π = pi (3.14)**

ΔS = difference in drawdown over one log cycle (feet)

The aquifer coefficient of storage (also called storativity) is the volume of water released from storage per unit decline in hydraulic head in the aquifer per unit area of the aquifer. Due to well losses and inefficiency of the pumping well, an observation well is required to calculate the coefficient of storage. The coefficient of storage will also be estimated using the Cooper-Jacob approximation to the Theis equation (Cooper-Jacob 1946) as follows:

$$S = 2.25 T t_0 / r^2$$

Where:

S = Coefficient of Storage (dimensionless)

T = transmissivity (feet²/day)

t₀ = intercept with x-axis, time (days)

r = distance to observation well (feet)

An estimate of groundwater drawdown at the nearest residential well induced by project pumping at 1 year will be estimated using the Cooper-Jacobs approximation of the Theis Non-Equilibrium Flow Equation (USGS 1962):

$$s = \frac{264 Q}{T} \log_{10} \frac{0.3 T t}{r^2 S} .$$

Where:

s = predicted drawdown (feet)

Q = average pumping rate (GPM)

T = Transmissivity (gpd/ft) =

t = time (days)

r = distance from pumping well (feet)

S = coefficient of storage (dimensionless)

Based on the actual results of the drawdown data collected during the aquifer test, the use of additional analysis methods will be evaluated, as appropriate, in consultation with the County Groundwater Geologist.

4.2. Groundwater Dependent Habitat Analysis

Potentially occurring groundwater dependent habitat on the Project Site and near the Project Site is depicted in Figure 7. The County's Guideline 4.2.C from the Biological Guidelines for Determining Significance have the following threshold for determining a significant impact to riparian habitat or a sensitive natural community: *"The project would draw down the groundwater table to the detriment of groundwater-dependent habitat, typically a drop of 3 feet or more from historical low groundwater levels."*

Well 1 is approximately 1,439 feet west of Well B (1,000 feet from the Open Water (OW) mapped on the Project Site and 1,800 feet from the open coast live oak woodland (LOW) mapped to the east of the Project Site) and is completed to a total depth of 282 feet BTOC. The water levels measured in June 2012 in Well B and Well 1 were 40.13 and feet below TOC and 48.85 feet BTOC, respectively. Well 4 is approximately 1,000 feet west of the LOW mapped on the Project Site (Figure 7). The water level in Well 4 in June 2012 was 8.83 BTOC. The neighboring property owner to the east, Robert Maupin, in the area of the off-site LOW reportedly has two shallow wells drilled to depths of 190 feet and 100 feet below land surface with well production capacity of 60 GPM and 100 GPM, respectively (Maupin, pers. comm. 2012). The water levels in the Maupin Wells have not been measured due to access limitations.

Quercus agrifolia (coast live oak) associated with the LOW vegetation is a native drought resistant evergreen tree with a root system that consists of a deep taproot with several main roots that may tap groundwater if present within approximately 36 feet of the soil surface (Canadell, 1996). Based on past experience in San Diego County with fractured rock granitic aquifers conducting long-term pump tests from deep fractures (i.e. >1,000 feet), there is typically limited hydraulic connection with the shallow fracture system that would influence groundwater dependent habitat that extends to a maximum depth of 36 feet below ground surface.

All on-site wells and, if accessible, the two wells located on the Maupin property to the east should be sufficient to monitor water level changes in the shallow portion of the aquifer and potential impacts to groundwater dependent habitat due to groundwater pumping from Well B.

5. References

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- Driscoll, Fletcher G. 1986. *Groundwater and Wells (Second Edition)* Johnsons Screens, St Paul, Minnesota.
- Maupin, R. 2012. Communication from Robert Maupin to Patrick Rentz (Dudek) regarding groundwater well and production rates, dated April 25, 2012.
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- USGS (J.G. Ferris, D.B.Knowles, R.H. Brown and R.W.Stallman) 1962. Theory of Aquifer Tests Ground-Water Hydraulics Water Supply Paper 1536-E.

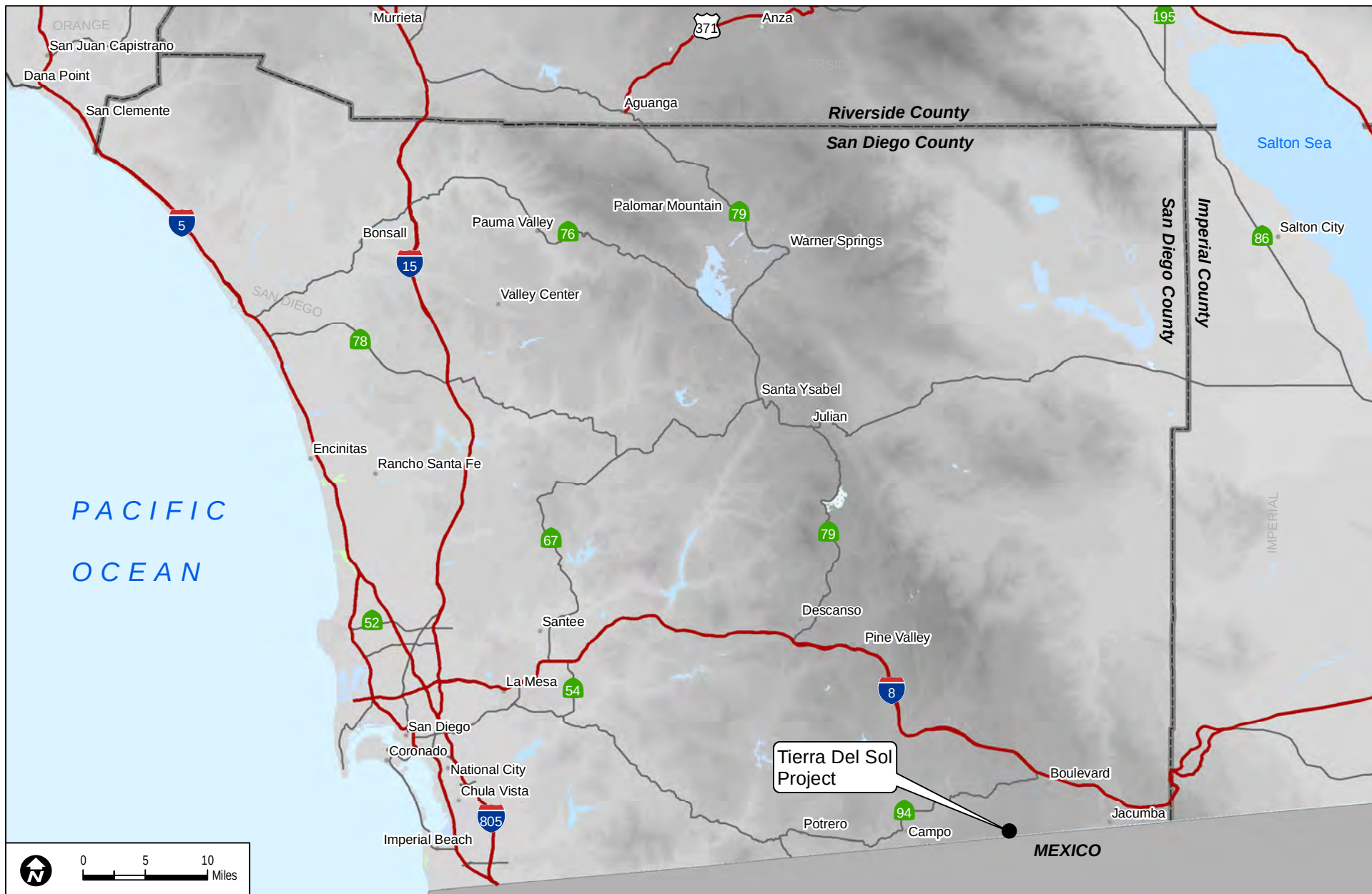
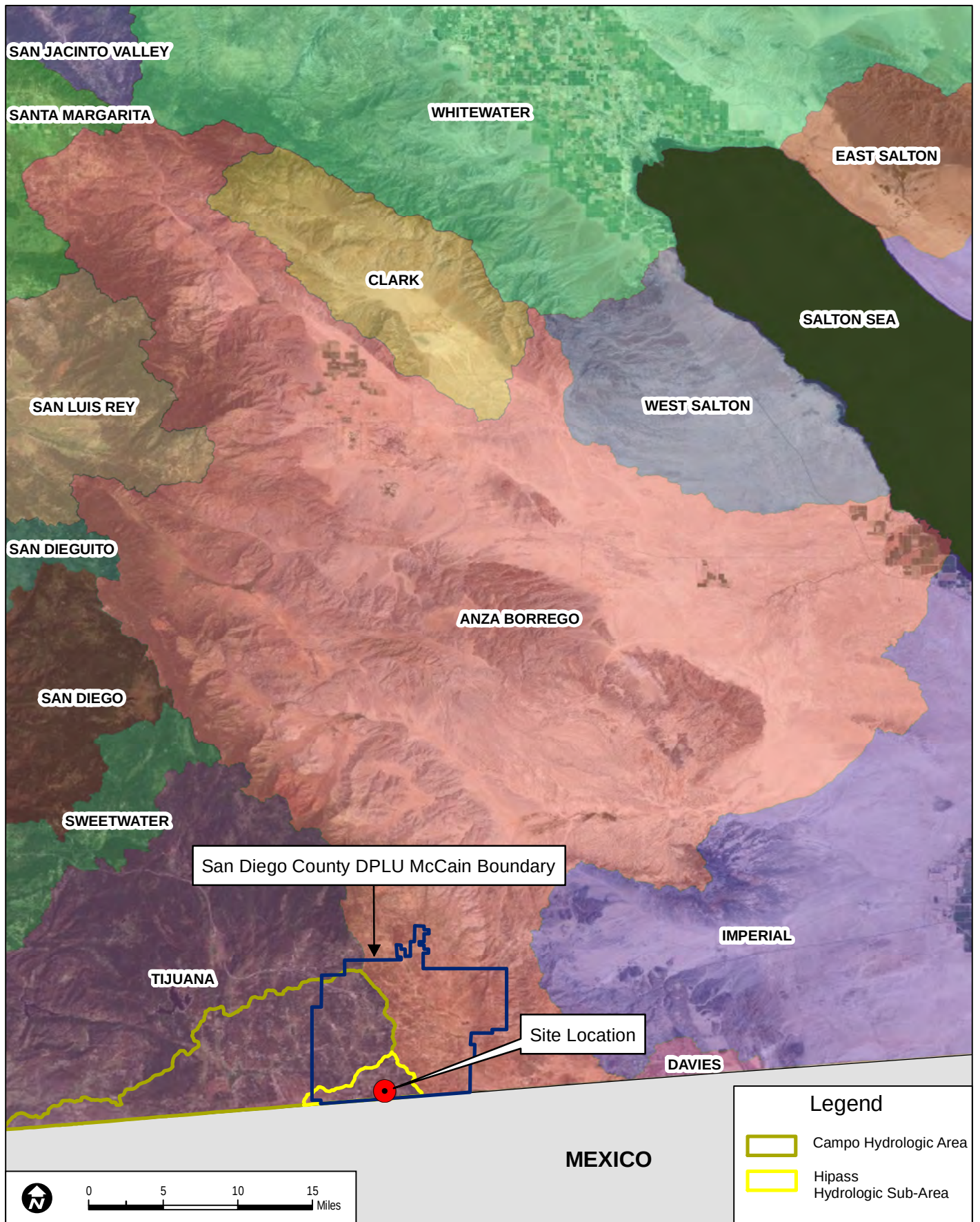


FIGURE 1
Regional Location Map

DUDEK

TIERRA DEL SOL

7123
JULY 2012



Legend

- Campo Hydrologic Area
- Hipass Hydrologic Sub-Area



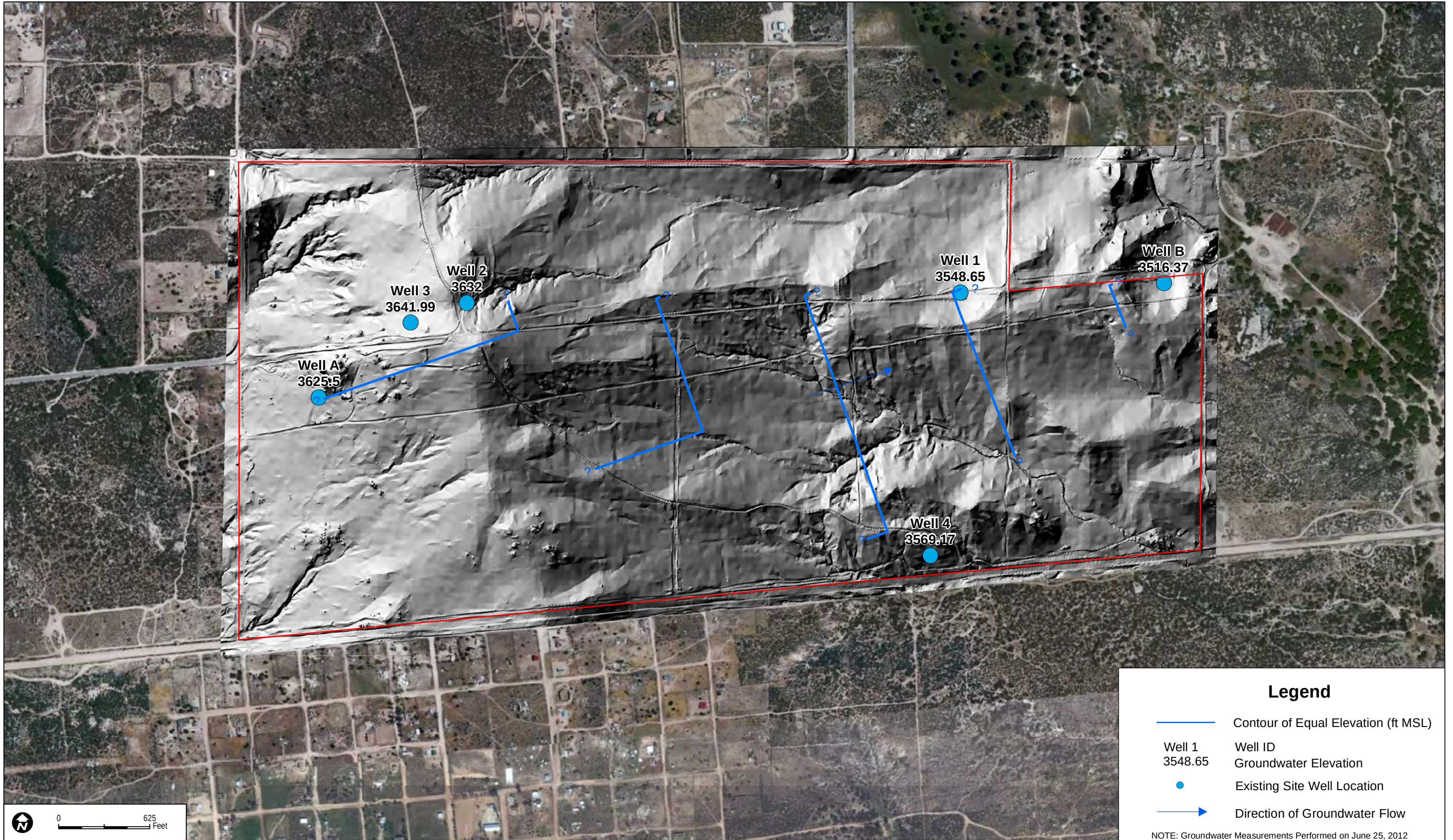
Legend

Existing Site Well

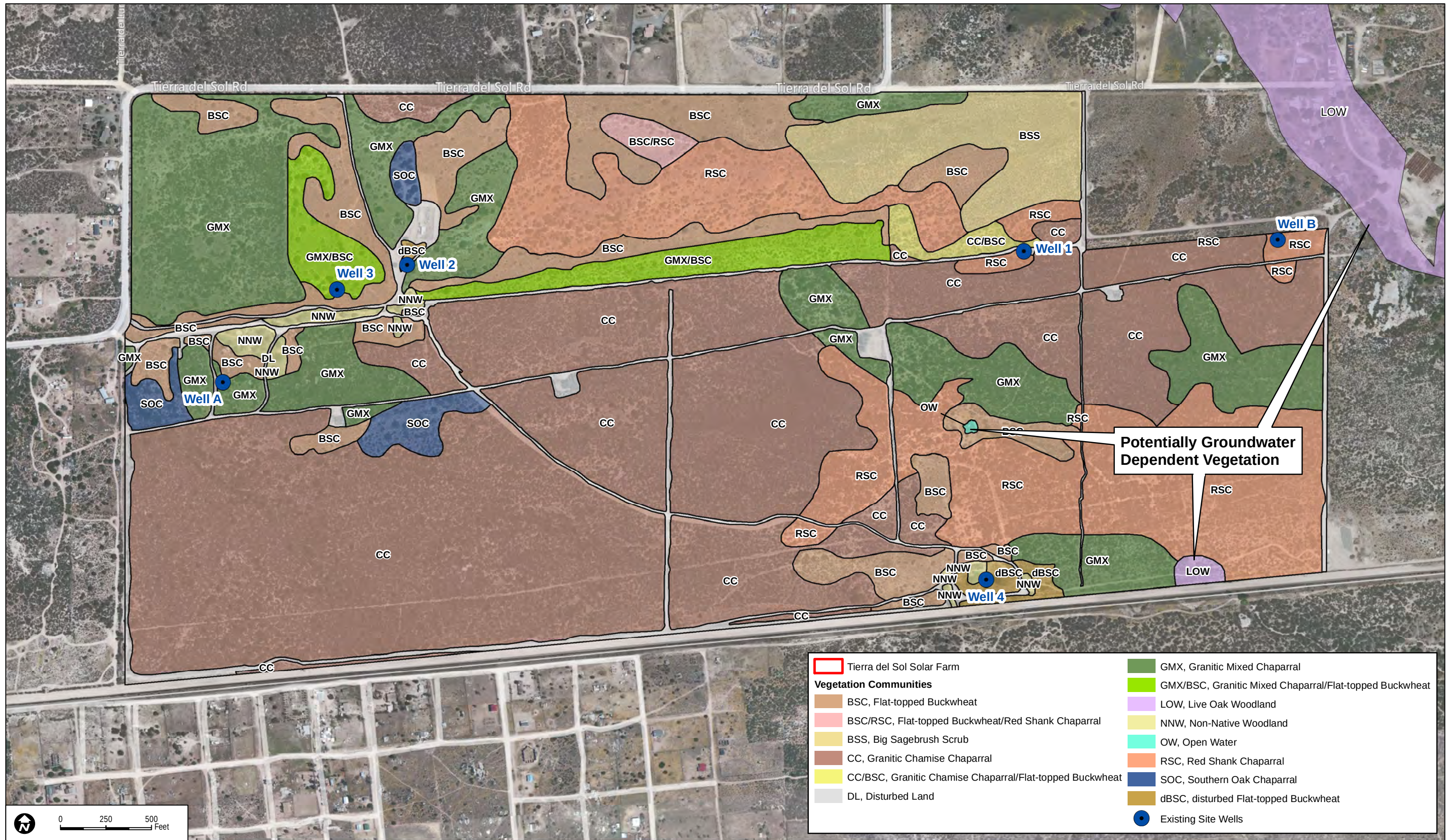
Residential Wells (Potential Locations)

Adjoining Parcel

Subject Property Boundary

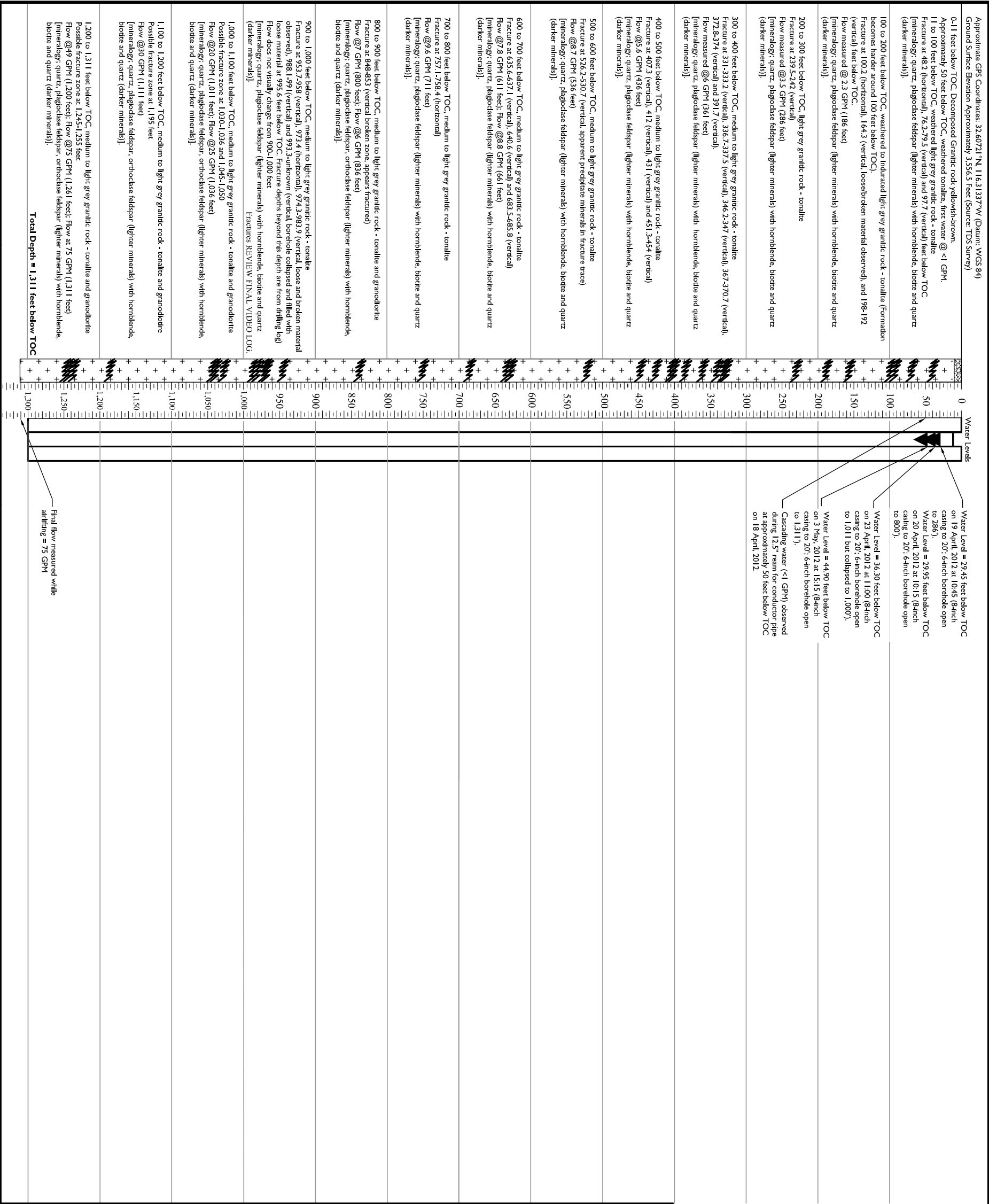






APPENDIX B

Well Logs



DUDEK 605 Third Street, Emhinas, CA 92024 760.942.5147 Fax: 760.632.0164	Dates Drilled: 18-20, 23, 25 April 2012	
	Drilling Method: Air rotary percussion	
Logged by: Patrick Rentz	Sampling Method: Cuttings	
	Driller: Stehly Brothers Drilling	

DRAWING	
FIGURE 8	
WELL B	
FIELD LITHOLOGIC LOG	
SHEET _____ OF _____	
DATE	May 2012
CAD FILE	Litho Well B

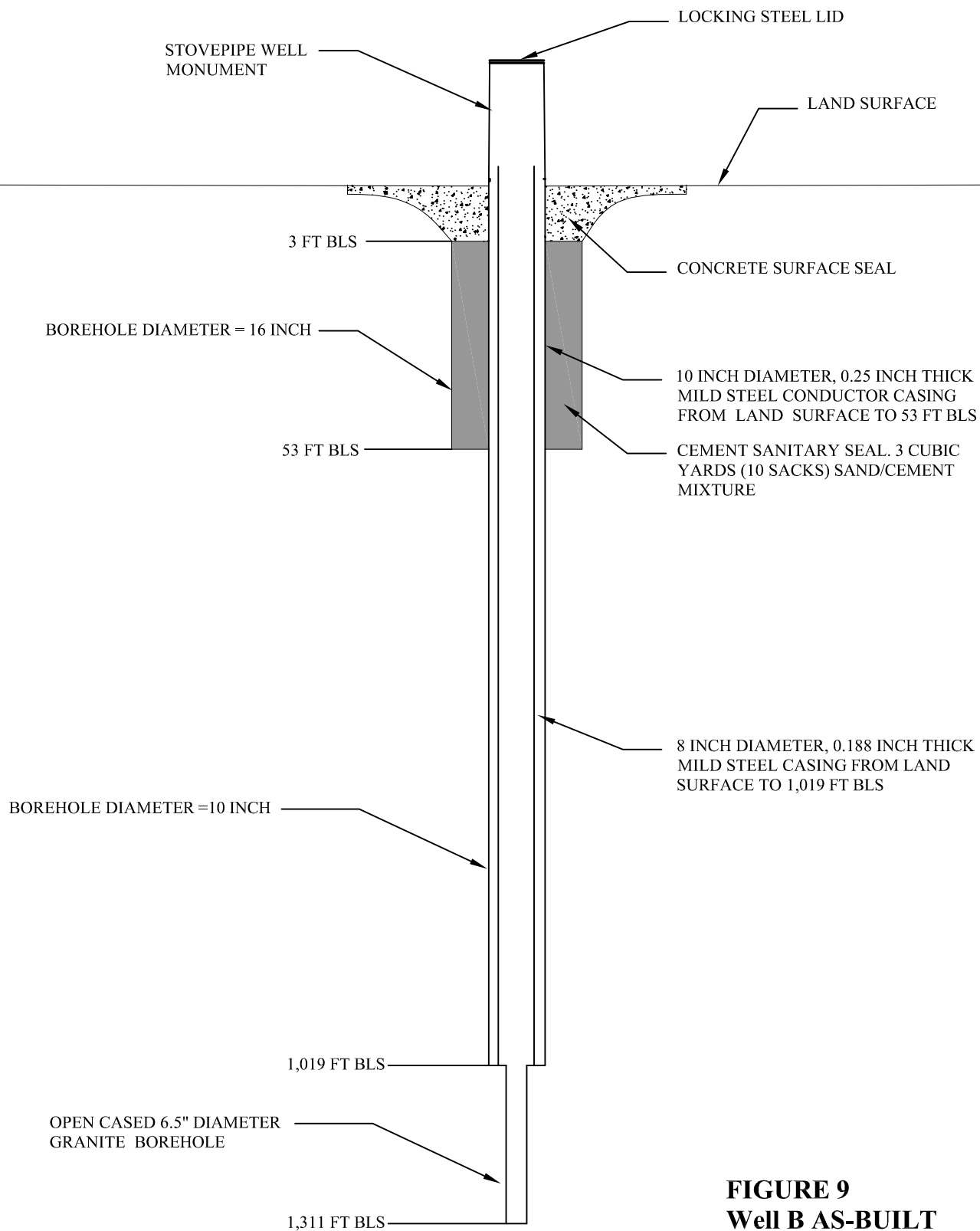
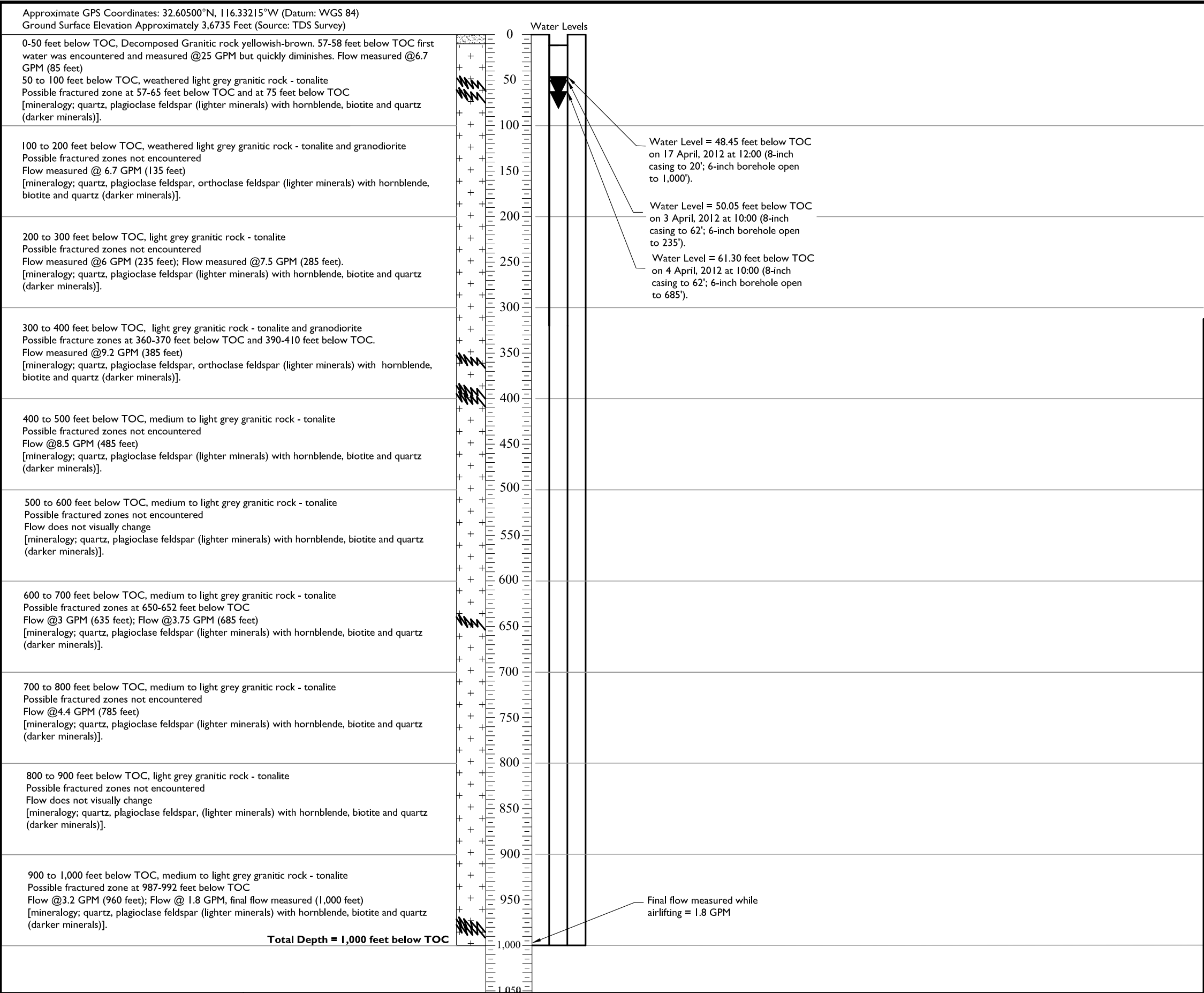
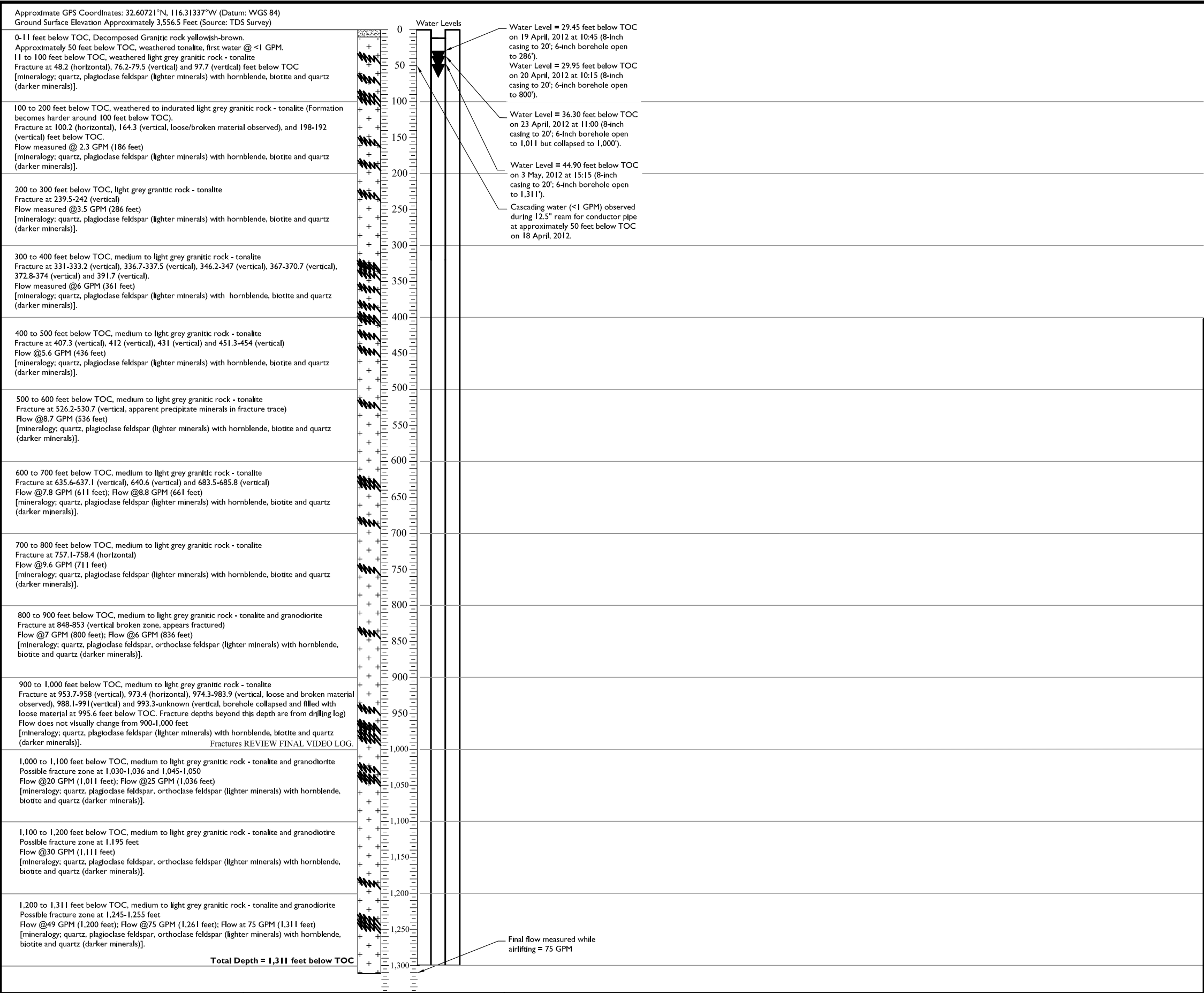


FIGURE 9
Well B AS-BUILT
Tierra Del Sol
Tierra Del Sol, CA

NOT TO SCALE





Log Numbers for Section 24

[Home](#)[Log Search](#)[Log Query](#)[429 Query](#)[Districts](#)[FAQs](#)

Below is a listing of Logs in Section 24, Township 18S06E , San Diego County . Choose a log or logs to view by clicking in the "Select" box, then click on the "Get Images" button. To alter the size of the image displayed, select an alternate screen resolution from the dropdown box below.

Screen Resolution: 800x600

Select	Log Number	Notes
☒	04089	

Page 1 of 1

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ORIGINAL

STATE OF CALIFORNIA
THE RESOURCES AGENCY

Do not fill in

File with DWR

DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

No. 04089

Notice of Intent No. _____

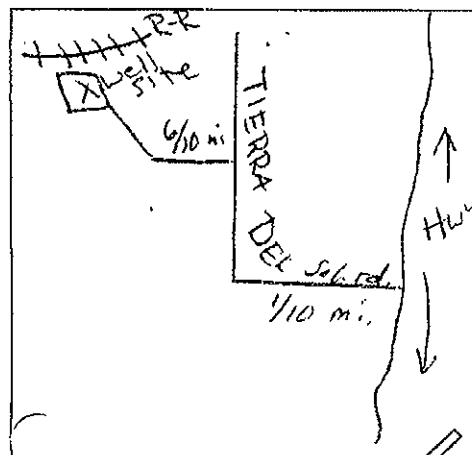
Local Permit No. or Date _____

State Well No. _____

Other Well No. _____

(1) OWNER: Name Ellsworth A. Hopewell
Address 11215 Oak Creek Dr.
City Lakeside, Calif. Zip 92040
(2) LOCATION OF WELL (See instructions):
County San Diego Owner's Well Number 090-24
Well address if different from above _____
Township 18-S Range 6-W Section 24
Distance from cities, roads, railroads, fences, etc. Terri Del Sol

(12) WELL LOG: Total depth 500 ft. Depth of completed well 500 ft.
from ft. to ft. Formation (Describe by color, character, size or material)
0- 37 top soil
37- 100 med soft D-G
100- 125 soft D-G talc
125- 300 white granite
300- 320 soft D-G talc
320- 500 med white granite



(3) TYPE OF WORK:

New Well ☒ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐

Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:

Domestic ☒
Irrigation ☐
Industrial ☐
Test Well ☐
Stock ☐
Municipal ☐
Other ☐

WELL LOCATION SKETCH

(5) EQUIPMENT:

Rotary ☒ Reverse ☐
Cable ☐ Air ☐
Other ☐ Bucket ☐

(6) GRAVEL PACK:

Yes ☒ No ☐ Size 1/8" pea
Diameter of bore 6
Packed from 0 to 500

(7) CASING INSTALLED:

Steel ☒ Plastic ☐ Concrete ☐

(8) PERFORATIONS:

Type of perforation or size of screen

From ft.	To ft.	Dia. in.	Gauge or Wall	From ft.	To ft.	Slot size
0	40	2	188	30	500	3x1/8
0	500	4	sch. 40			

(9) WELL SEAL:

Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 40 ft.

Were strata sealed against pollution? Yes ☐ No ☒ Interval _____ ft.

Method of sealing Cement

(10) WATER LEVELS:

Depth of first water, if known 45 ft.

Standing level after well completion 20 ft.

(11) WELL TESTS:

Was well test made? Yes ☐ No ☐ If yes, by whom? air jet
Type of test Pump ☐ Bailor ☐ Air lift ☐

Depth to water at start of test _____ ft. At end of test _____ ft.

Discharge 10 gal/min after 2 hours Water temperature cool

Chemical analysis made? Yes ☐ No ☒ If yes, by whom? _____

electric log made? Yes ☐ No ☒ If yes, attach copy to this report

Work started 2-16 19 79 Completed 2-18 19 79

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED Joe McSuffie (Well Driller)

NAME HARRIS CONST CO (Person, firm, or corporation) (Typed or printed)

Address Rt. 1 box 66

City Campo, Calif. Zip 92006

License No. 312853 Date of this report 2-79

Log Numbers for Section 13

[Home](#)[Log Search](#)[Log Query](#)[429 Query](#)[Districts](#)[FAQs](#)

Below is a listing of Logs in Section 13, Township 18S06E , San Diego County . Choose a log or logs to view by clicking in the "Select" box, then click on the "Get Images" button. To alter the size of the image displayed, select an alternate screen resolution from the dropdown box below.

Screen Resolution: 800x600

	Select	Log Number	Notes
OA	☐	00193	
OA	☐	09370	
OA	☐	106475	
OA	☐	230179	
✓	☐	487081	
✓	☐	557969	
✓	☐	557970	

Page 1 of 1

Send mail to the [webmaster](#) with questions or comments about this web site.
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OA = Out of study area

Permit No. 1004350 Permit Date 9-28-92

Refer to Instruction Pamphlet

Nó. 487081

DWR USE ONLY - DO NOT FILL IN

STATE WELL NO./STATION NO.

LATITUDE LONGITUDE

APN/TRS/OTHER

GEOLOGIC LOG

WELL OWNER

ORIENTATION ($\angle$) V VERTICAL _____ HORIZONTAL _____ ANGLE _____ (SPECIFY) _____
DEPTH TO FIRST WATER _____ (FL.) BELOW SURFACE
DESCRIPTION
Describe material, grain size, color, etc.
11 540 mg salt & pepper granite water at 80

Name Stephen REXES
Mailing Address P.O. Box 1457
City Boulder State CO ZIP 91905
WELL LOCATION
Address Tierra Real LN.
City Boulder State CO ZIP 91905
County SD
APN Book 185 Page 66 Parcel 12
Township 658 Range 051 Section 13
Latitude _____ NORTH Longitude _____ WEST
DEG. MIN. SEC. DEG. MIN. SEC.
LOCATION SKETCH
Tierra Real LN
WEST EAST
SOUTH
Illustrate or Describe Distance of Well from Landmarks such as Roads, Buildings, Fences, Rivers, etc. PLEASE BE ACCURATE & COMPLETE.

ACTIVITY ($\angle$)
☒ NEW WELL
MODIFICATION/REPAIR
____ Deepen
____ Other (Specify)
DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")
PLANNED USE(S)
($\angle$)
____ MONITORING
WATER SUPPLY ☒
____ Domestic
____ Public
____ Irrigation
____ Industrial
____ "TEST WELL"
____ CATHODIC PROTECTION
____ OTHER (Specify)

DRILLING METHOD Air Rotary FLUID Water
WATER LEVEL & YIELD OF COMPLETED WELL
DEPTH OF STATIC WATER LEVEL UNK (Fl.) & DATE MEASURED 10-9-92
ESTIMATED YIELD 10 (GPM) & TEST TYPE AIR LIFT
TEST LENGTH 1 (Hrs.) TOTAL DRAWDOWN UNK (Fl.) UNK
* May not be representative of a well's long-term yield.

TOTAL DEPTH OF BORING 540 (Feet)
TOTAL DEPTH OF COMPLETED WELL 540 (Feet)

[illegible]

ATTACHMENTS (2)

- ☐ Geologic Log
☐ Well Construction Diagram
☐ Geophysical Log(s)
☐ Soil/Water Chemical Analyses
☐ Other _____

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME Frank's well Drilling
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

PO 897310153

ADDRESS _____
Signed Frank W. [Signature]
WELL DRILLER/AUTHORIZED REPRESENTATIVE

6 nat of 19- 92031

1-11-93 437700
DATE SIGNED C-57 LICENSE NUMBER

ORIGINAL
File with DWR

Page 1 of 1

Owner's Well No. _____

Date Work Began 2/1/96 Ended 2/3/96

Local Permit Agency San Diego County Health Serv

Permit No. WD 5278

Permit Date _____

STATE OF CALIFORNIA
WELL COMPLETION REPORT

Refer to Instruction Pamphlet

No. 557969

DWR USE ONLY - DO NOT FILL IN

STATE WELL NO./STATION NO.	
LATITUDE	LONGITUDE
APN/TRS/OTHER	

GEOLOGIC LOG

ORIENTATION (Z) ☒ VERTICAL ☐ HORIZONTAL ☐ ANGLE _____ (SPECIFY)

DEPTH TO FIRST WATER _____ (FL) BELOW SURFACE

DESCRIPTION

Describe material, grain size, color, etc.

DEPTH FROM SURFACE
Ft. to Ft.

0 36

SAND TOP SOIL
GRAVEL

36 120

WHITE GRANITE
HIGHLY FRACTURED
WITH GRAVEL

120 300

WHITE GRANITE and
QUARTZ. HIGHLY
FRACTURED WITH
GRAVEL and SILICA

WELL OWNER
Name MATZ REISDORF

Mailing Address 3229 So Bonita St

City San Diego STATE CA ZIP 91901

WELL LOCATION

Address _____

City _____

County S.D.

APN Book 138 Page 090 Parcel 21

Township 183 Range 6E Section 13

Latitude _____ NORTH Longitude _____ WEST

DEG. MIN. SEC. DEG. MIN. SEC.

LOCATION SKETCH

WEST NORTH EAST SOUTH

ACTIVITY (Z) ☒ NEW WELL

MODIFICATION/REPAIR

Deepen

Other (Specify) _____

DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")

PLANNED USE(S) (Z)

MONITORING

WATER SUPPLY

Domestic

Public

Irrigation

Industrial

"TEST WELL"

CATHODIC PROTECTION

OTHER (Specify) _____

Illustrate or Describe Distance of Well from Landmarks such as Roads, Buildings, Fences, Rivers, etc. PLEASE BE ACCURATE & COMPLETE.

DRILLING METHOD AIR ROTARY FLUID FOAM

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH OF STATIC WATER LEVEL 12' (Ft.) & DATE MEASURED 2/3/96

ESTIMATED YIELD 15 (GPM) & TEST TYPE AIR

TEST LENGTH _____ (Hrs.) TOTAL DRAWDOWN NA (Ft.)

* May not be representative of a well's long-term yield.

TOTAL DEPTH OF BORING 300 (Feet)

TOTAL DEPTH OF COMPLETED WELL 300 (Feet)

DEPTH FROM SURFACE		BORE-HOLE DIA. (Inches)	CASING(S)						DEPTH FROM SURFACE		ANNULAR MATERIAL				
			TYPE (✓)				MATERIAL / GRADE	INTERNAL DIAMETER (Inches)			GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	TYPE		
Ft.	to Ft.		BLANK	SCREEN	CON- DUCTOR	RILL PIPE									CE- MENT (✓)
0	40	11					3 1/2" DIA	6 5/8	188	Ø	0	40		✓	
0	300	6 1/2					DIC	4"	SDR21		0	300			3/16 GRAVEL 2500

ATTACHMENTS (Z)

- Geologic Log
- Well Construction Diagram
- Geophysical Log(s)
- Soil/Water Chemical Analyses
- Other _____

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME FRANKS WELL DRILLING
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

ADDRESS P.O. Box 310153 City Guatay STATE CA ZIP 91931

Signed Paul Dickopf DATE SIGNED 2/20/96

WELL DRILLER/AUTHORIZED REPRESENTATIVE C-57 LICENSE NUMBER

ORIGINAL
File with DWR

Page 1 of 1

Owner's Well No.

Date Work Began 12/6/95, Ended 12/13/95

Local Permit Agency

Permit No. W0 6236

Permit Date

STATE OF CALIFORNIA
WELL COMPLETION REPORT

Refer to Instruction Pamphlet

No. 557970

DWR USE ONLY - DO NOT FILL IN

STATE WELL NO./STATION NO.

LATITUDE

LONGITUDE

APN/TRS/OTHER

GEOLOGIC LOG

ORIENTATION (✓) VERTICAL HORIZONTAL ANGLE (SPECIFY)

DEPTH TO FIRST WATER 120 (Ft.) BELOW SURFACE

DESCRIPTION

Describe material, grain size, color, etc.

DEPTH FROM SURFACE

Ft. to Ft.

0 10

10 80

80 120

120 160

160 180

180 200

200 220

220 240

240 260

260 280

280 300

300 320

320 340

340 360

360 380

380 400

400 420

420 440

440 460

460 480

480 500

500 520

520 540

540 560

560 580

580 600

600 620

620 640

640 660

660 680

680 700

700 720

720 740

740 760

760 780

780 800

800 820

820 840

840 860

860 880

880 900

900 920

920 940

940 960

960 980

980 1000

1000 1020

1020 1040

1040 1060

1060 1080

1080 1100

1100 1120

1120 1140

1140 1160

1160 1180

1180 1200

1200 1220

1220 1240

1240 1260

1260 1280

1280 1300

1300 1320

1320 1340

1340 1360

1360 1380

1380 1400

1400 1420

1420 1440

1440 1460

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1480 1500

1500 1520

1520 1540

1540 1560

1560 1580

1580 1600

1600 1620

1620 1640

1640 1660

1660 1680

1680 1700

1700 1720

1720 1740

1740 1760

1760 1780

1780 1800

1800 1820

1820 1840

1840 1860

1860 1880

1880 1900

1900 1920

1920 1940

1940 1960

1960 1980

1980 2000

2000 2020

2020 2040

2040 2060

2060 2080

2080 2100

2100 2120

2120 2140

2140 2160

2160 2180

2180 2200

2200 2220

2220 2240

2240 2260

2260 2280

2280 2300

2300 2320

2320 2340

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2800 2820

2820 2840

2840 2860

2860 2880

2880 2900

2900 2920

2920 2940

2940 2960

2960 2980

2980 3000

3000 3020

3020 3040

3040 3060

3060 3080

3080 3100

3100 3120

3120 3140

3140 3160

3160 3180

3180 3200

3200 3220

3220 3240

3240 3260

3260 3280

3280 3300

3300 3320

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3880 3900

3900 3920

3920 3940

3940 3960

3960 3980

3980 4000

4000 4020

4020 4040

4040 4060

4060 4080

4080 4100

4100 4120

4120 4140

4140 4160

4160 4180

4180 4200

4200 4220

4220 4240

4240 4260

4260 4280

4280 4300

4300 4320

4320 4340

4340 4360

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4380 4400

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5000 5020

5020 5040

5040 5060

5060 5080

5080 5100

5100 5120

5120 5140

5140 5160

5160 5180

5180 5200

5200 5220

5220 5240

5240 5260

5260 5280

5280 5300

5300 5320

5320 5340

5340 5360

5360 5380

5380 5400

5400 5420

5420 5440

5440 5460

5460 5480

5480 5500

5500 5520

5520 5540

5540 55

ORIGINAL

File with DWR

Page 1 of 1

Owner's Well No. 1

Date Work Began 12-5-03, Ended 12-15-03

Local Permit Agency San Diego County Environmental Health

Permit No. LWEL 15698 Permit Date 12-3-03

STATE OF CALIFORNIA WELL COMPLETION REPORT No. 771980

DWR USE ONLY		DO NOT FILL IN	
STATEWELL NO/STATION NO			
LATITUDE		LONGITUDE	
APN/TROTH/OTHER			

GEOLOGIC LOG		
ORIENTATION (✓)		
☒ VERTICAL ☐ HORIZONTAL ☐ ANGLE ☐ (SPECIFY)		
DEPTH FROM SURFACE	DRILLING METHOD	FLUID
R	D	FL
DESCRIPTION		
Describe material, grain size, color, etc.		
0-	8 ft.	Top Soil
8	18	Decomposed Granit W/gravel & rocks
30	800	Salt & Pepper Granite
Fractures @ 120 ft.		
390 ft.		
450 ft.		
657 ft.		
789 ft.		
Water @ 120 ft.		
390 ft.		
450 ft.		
657 ft.		
789 ft.		
392 P/M		
TOTAL DEPTH OF BORING 800 (Feet)		
TOTAL DEPTH OF COMPLETED WELL 800 (Feet)		

WELL OWNER	
Name Joe Hector Brown	
Mailing Address 805 Tierra Del Sol Rd	
Boulevard Ca 91105	
CITY STATE ZIP	
Address Same as above	
City Boulevard	
County San Diego	
APN Book 658	Page 090
Parcel 31-00	
Township 18S	Range 6E
Section 12	
Latitude	Longitude
LOCATION SKETCH	
NORTH	
WEST	
EAST	
SOUTH	
Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. PLEASE BE ACCURATE & COMPLETE.	
WATER LEVEL & YIELD OF COMPLETED WELL	
DEPTH TO FIRST WATER 120 (FL) BELOW SURFACE	
DEPTH OF STATIC WATER LEVEL Unk (FL) & DATE MEASURED 11-30-03	
ESTIMATED YIELD 3 (GPM) & TEST TYPE Air Lift	
TEST LENGTH 2 (Hrs.) TOTAL DRAWDOWN Unk (FL)	
* May not be representative of a well's long-term yield.	

DEPTH FROM SURFACE		BORE-HOLE DIA. (Inches)	CASING (S)					ANNULAR MATERIAL				
Ft. to Ft.	TYPE (✓)		BLANK	SCREEN	CON. DOCTOR	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	DEPTH FROM SURFACE	TYPE
0	20	12"	X	X	X	X	ASTM 53 B		.156		to 20 ft.	CEMENT (✓)
0	800	6.5"										BENTONITE (✓)
												FILL (✓)
												FILTER PACK (TYPE/SIZE)

ATTACHMENTS (✓)		CERTIFICATION STATEMENT	
☐ Geologic Log ☐ Well Construction Diagram ☐ Geophysical Log(s) ☐ Soil/Water Chemical Analysis ☐ Other		I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief. NAME Franks' Well Drilling (PERSON, FIRM, OR CORPORATION) P.O. Box 310153 Guatay Ca 91931 ADDRESS Signed <i>Franks' Well Drilling</i> DATE SIGNED 5-13-04 C57-437700 WELL DRILLER / AUTHORIZED REPRESENTATIVE C57 LICENSE NUMBER	

IF ADDITIONAL SPACE IS NEEDED, USE ADDITIONAL FORMS AND CONSECUTIVELY NUMBER ALL
DWR 188 REV. 11-97 (REVISED 06-03 BY www.TheContractorsGroup.com TO BE FILL-IN-ABLE)

APPENDIX C

Groundwater Recharge Spreadsheet Calculations

Groundwater Resources Investigation Report Tierra del Sol Solar Farm - Scenario 1

Time	INPUT					OUTPUT				
	Monthly Avg. Reference ET (inches)	Monthly Avg. Reference ET (feet)	Mean Precip (inches)	Mean Precip (feet)	Water Demand (AF)	Runoff (in)	P- (PET+RO) (in)	Soil Moisture (in)	Recharge (AF)	Storage (AF)
Jul-1982	9.3	0.78	0	0.00	0.36	0.00	-27.90	10.25	0.00	386.56
Aug-1982	8.37	0.70	0.68	0.06	0.36	0.00	-23.07	1.52	0.00	386.20
Sep-1982	6.3	0.53	0.32	0.03	0.30	0.00	-17.94	0.39	0.00	385.90
Oct-1982	4.34	0.36	0	0.00	0.27	0.00	-13.02	0.14	0.00	385.63
Nov-1982	2.4	0.20	0.71	0.06	0.21	0.00	-5.07	0.10	0.00	385.42
Dec-1982	1.55	0.13	0	0.00	0.18	0.00	-4.65	0.07	0.00	385.24
Jan-1983	1.55	0.13	1.92	0.16	0.18	0.01	1.10	1.16	0.00	385.06
Feb-1983	2.52	0.21	3.35	0.28	0.15	0.20	2.29	3.46	0.00	384.91
Mar-1983	4.03	0.34	8.32	0.69	0.18	2.73	10.14	9.63	40.29	386.92
Apr-1983	5.7	0.48	1.36	0.11	0.21	0.00	-13.02	7.31	0.00	386.71
May-1983	7.75	0.65	0.12	0.01	0.27	0.00	-22.89	1.05	0.00	386.44
Jun-1983	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.15	0.00	386.11
Jul-1983	9.3	0.78	0	0.00	0.36	0.00	-27.90	0.02	0.00	385.75
Aug-1983	8.37	0.70	1.18	0.10	0.36	0.00	-21.57	0.00	0.00	385.39
Sep-1983	6.3	0.53	0.95	0.08	0.30	0.00	-16.05	0.00	0.00	385.09
Oct-1983	4.34	0.36	1.06	0.09	0.27	0.00	-9.84	0.00	0.00	384.82
Nov-1983	2.4	0.20	1.42	0.12	0.21	0.00	-2.94	0.00	0.00	384.61
Dec-1983	1.55	0.13	0	0.00	0.18	0.00	-4.65	0.00	0.00	384.43
Jan-1984	1.55	0.13	0.24	0.02	0.18	0.00	-3.93	0.00	0.00	384.25
Feb-1984	2.52	0.21	0	0.00	0.15	0.00	-7.56	0.00	0.00	384.10
Mar-1984	4.03	0.34	0.04	0.00	0.18	0.00	-11.97	0.00	0.00	383.92
Apr-1984	5.7	0.48	0.12	0.01	0.21	0.00	-16.74	0.00	0.00	383.71
May-1984	7.75	0.65	0	0.00	0.27	0.00	-23.25	0.00	0.00	383.44
Jun-1984	8.7	0.73	0.12	0.01	0.33	0.00	-25.74	0.00	0.00	383.11
Jul-1984	9.3	0.78	2.8	0.23	0.36	0.11	-19.61	0.00	0.00	382.75
Aug-1984	8.37	0.70	0	0.00	0.36	0.00	-25.11	0.00	0.00	382.39
Sep-1984	6.3	0.53	0	0.00	0.30	0.00	-18.90	0.00	0.00	382.09
Oct-1984	4.34	0.36	0.04	0.00	0.27	0.00	-12.90	0.00	0.00	381.82
Nov-1984	2.4	0.20	0.83	0.07	0.21	0.00	-4.71	0.00	0.00	381.61
Dec-1984	1.55	0.13	3.62	0.30	0.18	0.25	5.96	5.39	5.64	386.92
Jan-1985	1.55	0.13	0.98	0.08	0.18	0.00	-1.71	4.91	0.00	386.74
Feb-1985	2.52	0.21	0	0.00	0.15	0.00	-7.56	2.20	0.00	386.59
Mar-1985	4.03	0.34	0	0.00	0.18	0.00	-12.09	0.79	0.00	386.41
Apr-1985	5.7	0.48	0	0.00	0.21	0.00	-17.10	0.21	0.00	386.20
May-1985	7.75	0.65	0	0.00	0.27	0.00	-23.25	0.04	0.00	385.93
Jun-1985	8.7	0.73	0.04	0.00	0.33	0.00	-25.98	0.01	0.00	385.60
Jul-1985	9.3	0.78	1.1	0.09	0.36	0.00	-24.60	0.00	0.00	385.24
Aug-1985	8.37	0.70	0	0.00	0.36	0.00	-25.11	0.00	0.00	384.88
Sep-1985	6.3	0.53	0.51	0.04	0.30	0.00	-17.37	0.00	0.00	384.58

Groundwater Resources Investigation Report Tierra del Sol Solar Farm - Scenario 1

Oct-1985	4.34	0.36	0.47	0.04	0.27	0.00	-11.61	0.00	0.00	384.31
Nov-1985	2.4	0.20	3.51	0.29	0.21	0.23	3.10	3.10	0.00	384.10
Dec-1985	1.55	0.13	0.39	0.03	0.18	0.00	-3.48	2.04	0.00	383.92
Jan-1986	1.55	0.13	0.51	0.04	0.18	0.00	-3.12	1.46	0.00	383.74
Feb-1986	2.52	0.21	2.25	0.19	0.15	0.04	-0.85	1.34	0.00	383.59
Mar-1986	4.03	0.34	2.21	0.18	0.18	0.04	-5.50	0.81	0.00	383.41
Apr-1986	5.7	0.48	0.04	0.00	0.21	0.00	-16.98	0.21	0.00	383.20
May-1986	7.75	0.65	0	0.00	0.27	0.00	-23.25	0.04	0.00	382.93
Jun-1986	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.00	0.00	382.60
Jul-1986	9.3	0.78	0	0.00	0.36	0.00	-27.90	0.00	0.00	382.24
Aug-1986	8.37	0.70	0.16	0.01	0.36	0.00	-24.63	0.00	0.00	381.88
Sep-1986	6.3	0.53	0	0.00	0.30	0.00	-18.90	0.00	0.00	381.58
Oct-1986	4.34	0.36	0	0.00	0.27	0.00	-13.02	0.00	0.00	381.31
Nov-1986	2.4	0.20	0.67	0.06	0.21	0.00	-5.19	0.00	0.00	381.10
Dec-1986	1.55	0.13	0.43	0.04	0.18	0.00	-3.36	0.00	0.00	380.92
Jan-1987	1.55	0.13	1.5	0.13	0.18	0.00	-0.15	0.00	0.00	380.74
Feb-1987	2.52	0.21	0.63	0.05	0.15	0.00	-5.67	0.00	0.00	380.59
Mar-1987	4.03	0.34	0	0.00	0.18	0.00	-12.09	0.00	0.00	380.41
Apr-1987	5.7	0.48	0.16	0.01	0.21	0.00	-16.62	0.00	0.00	380.20
May-1987	7.75	0.65	0.12	0.01	0.27	0.00	-22.89	0.00	0.00	379.93
Jun-1987	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.00	0.00	379.60
Jul-1987	9.3	0.78	0	0.00	0.36	0.00	-27.90	0.00	0.00	379.24
Aug-1987	8.37	0.70	0	0.00	0.36	0.00	-25.11	0.00	0.00	378.88
Sep-1987	6.3	0.53	0.39	0.03	0.30	0.00	-17.73	0.00	0.00	378.58
Oct-1987	4.34	0.36	0	0.00	0.27	0.00	-13.02	0.00	0.00	378.31
Nov-1987	2.4	0.20	0.91	0.08	0.21	0.00	-4.47	0.00	0.00	378.10
Dec-1987	1.55	0.13	1.69	0.14	0.18	0.00	0.42	0.42	0.00	377.92
Jan-1988	1.55	0.13	2.6	0.22	0.18	0.08	3.07	3.49	0.00	377.74
Feb-1988	2.52	0.21	2.09	0.17	0.15	0.03	-1.32	2.97	0.00	377.59
Mar-1988	4.03	0.34	0.43	0.04	0.18	0.00	-10.80	0.99	0.00	377.41
Apr-1988	5.7	0.48	1.38	0.12	0.21	0.00	-12.96	0.34	0.00	377.20
May-1988	7.75	0.65	0	0.00	0.27	0.00	-23.25	0.06	0.00	376.93
Jun-1988	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.01	0.00	376.60
Jul-1988	9.3	0.78	0.24	0.02	0.36	0.00	-27.18	0.00	0.00	376.24
Aug-1988	8.37	0.70	0.79	0.07	0.36	0.00	-22.74	0.00	0.00	375.88
Sep-1988	6.3	0.53	0.32	0.03	0.30	0.00	-17.94	0.00	0.00	375.58
Oct-1988	4.34	0.36	0	0.00	0.27	0.00	-13.02	0.00	0.00	375.31
Nov-1988	2.4	0.20	0.47	0.04	0.21	0.00	-5.79	0.00	0.00	375.10
Dec-1988	1.55	0.13	1.18	0.10	0.18	0.00	-1.11	0.00	0.00	374.92
Jan-1989	1.55	0.13	0.59	0.05	0.18	0.00	-2.88	0.00	0.00	374.74
Feb-1989	2.52	0.21	0.04	0.00	0.15	0.00	-7.44	0.00	0.00	374.59
Mar-1989	4.03	0.34	0	0.00	0.18	0.00	-12.09	0.00	0.00	374.41
Apr-1989	5.7	0.48	0	0.00	0.21	0.00	-17.10	0.00	0.00	374.20
May-1989	7.75	0.65	0.12	0.01	0.27	0.00	-22.89	0.00	0.00	373.93
Jun-1989	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.00	0.00	373.60

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Jul-1989	9.3	0.78	0.35	0.03	0.36	0.00	-26.85	0.00	0.00	373.24
Aug-1989	8.37	0.70	0.87	0.07	0.36	0.00	-22.50	0.00	0.00	372.88
Sep-1989	6.3	0.53	0	0.00	0.30	0.00	-18.90	0.00	0.00	372.58
Oct-1989	4.34	0.36	1.62	0.14	0.27	0.00	-8.16	0.00	0.00	372.31
Nov-1989	2.4	0.20	0.08	0.01	0.21	0.00	-6.96	0.00	0.00	372.10
Dec-1989	1.55	0.13	0.12	0.01	0.18	0.00	-4.29	0.00	0.00	371.92
Jan-1990	1.55	0.13	1.82	0.15	0.18	0.01	0.80	0.80	0.00	371.74
Feb-1990	2.52	0.21	0.71	0.06	0.15	0.00	-5.43	0.43	0.00	371.59
Mar-1990	4.03	0.34	0.55	0.05	0.18	0.00	-10.44	0.17	0.00	371.41
Apr-1990	5.7	0.48	0.75	0.06	0.21	0.00	-14.85	0.05	0.00	371.20
May-1990	7.75	0.65	0.32	0.03	0.27	0.00	-22.29	0.01	0.00	370.93
Jun-1990	8.7	0.73	2.76	0.23	0.33	0.10	-17.92	0.00	0.00	370.60
Jul-1990	9.3	0.78	0	0.00	0.36	0.00	-27.90	0.00	0.00	370.24
Aug-1990	8.37	0.70	0	0.00	0.36	0.00	-25.11	0.00	0.00	369.88
Sep-1990	6.3	0.53	0.16	0.01	0.30	0.00	-18.42	0.00	0.00	369.58
Oct-1990	4.34	0.36	0.16	0.01	0.27	0.00	-12.54	0.00	0.00	369.31
Nov-1990	2.4	0.20	0.43	0.04	0.21	0.00	-5.91	0.00	0.00	369.10
Dec-1990	1.55	0.13	0.59	0.05	0.18	0.00	-2.88	0.00	0.00	368.92
Jan-1991	1.55	0.13	1.06	0.09	0.18	0.00	-1.47	0.00	0.00	368.74
Feb-1991	2.52	0.21	3.23	0.27	0.15	0.18	1.95	1.95	0.00	368.59
Mar-1991	4.03	0.34	5.91	0.49	0.18	1.15	4.49	5.50	9.32	377.73
Apr-1991	5.7	0.48	0	0.00	0.21	0.00	-17.10	6.41	0.00	377.52
May-1991	7.75	0.65	0.04	0.00	0.27	0.00	-23.13	0.89	0.00	377.25
Jun-1991	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.13	0.00	376.92
Jul-1991	9.3	0.78	0.2	0.02	0.36	0.00	-27.30	0.02	0.00	376.56
Aug-1991	8.37	0.70	0.32	0.03	0.36	0.00	-24.15	0.00	0.00	376.20
Sep-1991	6.3	0.53	0.43	0.04	0.30	0.00	-17.61	0.00	0.00	375.90
Oct-1991	4.34	0.36	0.43	0.04	0.27	0.00	-11.73	0.00	0.00	375.63
Nov-1991	2.4	0.20	0.16	0.01	0.21	0.00	-6.72	0.00	0.00	375.42
Dec-1991	1.55	0.13	2.36	0.20	0.18	0.05	2.38	2.38	0.00	375.24
Jan-1992	1.55	0.13	1.85	0.15	0.18	0.01	0.89	3.27	0.00	375.06
Feb-1992	2.52	0.21	3.31	0.28	0.15	0.19	2.18	5.05	3.96	378.88
Mar-1992	4.03	0.34	4.73	0.39	0.18	0.60	1.50	5.89	6.52	385.22
Apr-1992	5.7	0.48	0.47	0.04	0.21	0.00	-15.69	6.54	0.00	385.01
May-1992	7.75	0.65	0.63	0.05	0.27	0.00	-21.36	1.04	0.00	384.74
Jun-1992	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.15	0.00	384.41
Jul-1992	9.3	0.78	0.75	0.06	0.36	0.00	-25.65	0.02	0.00	384.05
Aug-1992	8.37	0.70	1.69	0.14	0.36	0.00	-20.04	0.00	0.00	383.69
Sep-1992	6.3	0.53	0	0.00	0.30	0.00	-18.90	0.00	0.00	383.39
Oct-1992	4.34	0.36	0.28	0.02	0.27	0.00	-12.18	0.00	0.00	383.12
Nov-1992	2.4	0.20	0.08	0.01	0.21	0.00	-6.96	0.00	0.00	382.91
Dec-1992	1.55	0.13	2.76	0.23	0.18	0.10	3.53	3.53	0.00	382.73
Jan-1993	1.55	0.13	9.89	0.82	0.18	4.00	21.02	10.25	168.22	386.92
Feb-1993	2.52	0.21	5.24	0.44	0.15	0.81	7.35	10.25	90.90	386.92
Mar-1993	4.03	0.34	0.79	0.07	0.18	0.00	-9.72	10.25	0.00	386.74

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Apr-1993	5.7	0.48	0	0.00	0.21	0.00	-17.10	2.41	0.00	386.53
May-1993	7.75	0.65	0.2	0.02	0.27	0.00	-22.65	0.43	0.00	386.26
Jun-1993	8.7	0.73	0.2	0.02	0.33	0.00	-25.50	0.06	0.00	385.93
Jul-1993	9.3	0.78	0	0.00	0.36	0.00	-27.90	0.01	0.00	385.57
Aug-1993	8.37	0.70	0	0.00	0.36	0.00	-25.11	0.00	0.00	385.21
Sep-1993	6.3	0.53	0	0.00	0.30	0.00	-18.90	0.00	0.00	384.91
Oct-1993	4.34	0.36	0.08	0.01	0.27	0.00	-12.78	0.00	0.00	384.64
Nov-1993	2.4	0.20	1.3	0.11	0.21	0.00	-3.30	0.00	0.00	384.43
Dec-1993	1.55	0.13	0.63	0.05	0.18	0.00	-2.76	0.00	0.00	384.25
Jan-1994	1.55	0.13	1.02	0.09	0.18	0.00	-1.59	0.00	0.00	384.07
Feb-1994	2.52	0.21	3.7	0.31	0.15	0.27	3.27	3.27	0.00	383.92
Mar-1994	4.03	0.34	2.32	0.19	0.18	0.05	-5.18	1.79	0.00	383.74
Apr-1994	5.7	0.48	0.75	0.06	0.21	0.00	-14.85	0.47	0.00	383.53
May-1994	7.75	0.65	0.08	0.01	0.27	0.00	-23.01	0.08	0.00	383.26
Jun-1994	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.01	0.00	382.93
Jul-1994	9.3	0.78	0	0.00	0.36	0.00	-27.90	0.00	0.00	382.57
Aug-1994	8.37	0.70	1.69	0.14	0.36	0.00	-20.04	0.00	0.00	382.21
Sep-1994	6.3	0.53	0.39	0.03	0.30	0.00	-17.73	0.00	0.00	381.91
Oct-1994	4.34	0.36	0.04	0.00	0.27	0.00	-12.90	0.00	0.00	381.64
Nov-1994	2.4	0.20	0.47	0.04	0.21	0.00	-5.79	0.00	0.00	381.43
Dec-1994	1.55	0.13	1.65	0.14	0.18	0.00	0.30	0.30	0.00	381.25
Jan-1995	1.55	0.13	6.5	0.54	0.18	1.48	13.37	10.01	36.84	386.92
Feb-1995	2.52	0.21	3.15	0.26	0.15	0.16	1.73	10.25	17.40	386.92
Mar-1995	4.03	0.34	3.66	0.31	0.18	0.26	-1.37	10.25	0.00	386.74
Apr-1995	5.7	0.48	0.55	0.05	0.21	0.00	-15.45	2.75	0.00	386.53
May-1995	7.75	0.65	0.79	0.07	0.27	0.00	-20.88	0.55	0.00	386.26
Jun-1995	8.7	0.73	0.2	0.02	0.33	0.00	-25.50	0.08	0.00	385.93
Jul-1995	9.3	0.78	0.04	0.00	0.36	0.00	-27.78	0.01	0.00	385.57
Aug-1995	8.37	0.70	0.55	0.05	0.36	0.00	-23.46	0.00	0.00	385.21
Sep-1995	6.3	0.53	0.47	0.04	0.30	0.00	-17.49	0.00	0.00	384.91
Oct-1995	4.34	0.36	0	0.00	0.27	0.00	-13.02	0.00	0.00	384.64
Nov-1995	2.4	0.20	0	0.00	0.21	0.00	-7.20	0.00	0.00	384.43
Dec-1995	1.55	0.13	0.28	0.02	0.18	0.00	-3.81	0.00	0.00	384.25
Jan-1996	1.55	0.13	1.18	0.10	0.18	0.00	-1.11	0.00	0.00	384.07
Feb-1996	2.52	0.21	5.16	0.43	0.15	0.78	7.14	6.08	10.56	386.92
Mar-1996	4.03	0.34	1.58	0.13	0.18	0.00	-7.35	4.12	0.00	386.74
Apr-1996	5.7	0.48	0.08	0.01	0.21	0.00	-16.86	0.76	0.00	386.53
May-1996	7.75	0.65	0.16	0.01	0.27	0.00	-22.77	0.13	0.00	386.26
Jun-1996	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.02	0.00	385.93
Jul-1996	9.3	0.78	0.04	0.00	0.36	0.00	-27.78	0.00	0.00	385.57
Aug-1996	8.37	0.70	0	0.00	0.36	0.00	-25.11	0.00	0.00	385.21
Sep-1996	6.3	0.53	0.16	0.01	0.30	0.00	-18.42	0.00	0.00	384.91
Oct-1996	4.34	0.36	0.87	0.07	0.27	0.00	-10.41	0.00	0.00	384.64
Nov-1996	2.4	0.20	0.87	0.07	0.21	0.00	-4.59	0.00	0.00	384.43
Dec-1996	1.55	0.13	1.42	0.12	0.18	0.00	-0.39	0.00	0.00	384.25

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Jan-1997	1.55	0.13	3.58	0.30	0.18	0.24	5.85	5.32	5.25	386.92
Feb-1997	2.52	0.21	1.02	0.09	0.15	0.00	-4.50	4.21	0.00	386.77
Mar-1997	4.03	0.34	0.04	0.00	0.18	0.00	-11.97	1.20	0.00	386.59
Apr-1997	5.7	0.48	0.43	0.04	0.21	0.00	-15.81	0.33	0.00	386.38
May-1997	7.75	0.65	0	0.00	0.27	0.00	-23.25	0.06	0.00	386.11
Jun-1997	8.7	0.73	0.55	0.05	0.33	0.00	-24.45	0.01	0.00	385.78
Jul-1997	9.3	0.78	0.08	0.01	0.36	0.00	-27.66	0.00	0.00	385.42
Aug-1997	8.37	0.70	0	0.00	0.36	0.00	-25.11	0.00	0.00	385.06
Sep-1997	6.3	0.53	1.97	0.16	0.30	0.02	-13.01	0.00	0.00	384.76
Oct-1997	4.34	0.36	0.08	0.01	0.27	0.00	-12.78	0.00	0.00	384.49
Nov-1997	2.4	0.20	1.38	0.12	0.21	0.00	-3.06	0.00	0.00	384.28
Dec-1997	1.55	0.13	2.68	0.22	0.18	0.09	3.30	3.30	0.00	384.10
Jan-1998	1.55	0.13	1.42	0.12	0.18	0.00	-0.39	3.14	0.00	383.92
Feb-1998	2.52	0.21	7.76	0.65	0.15	2.31	13.41	10.25	68.50	386.92
Mar-1998	4.03	0.34	3.66	0.31	0.18	0.26	-1.37	10.25	0.00	386.74
Apr-1998	5.7	0.48	1.69	0.14	0.21	0.00	-12.03	3.60	0.00	386.53
May-1998	7.75	0.65	1.3	0.11	0.27	0.00	-19.35	0.80	0.00	386.26
Jun-1998	8.7	0.73	0.04	0.00	0.33	0.00	-25.98	0.11	0.00	385.93
Jul-1998	9.3	0.78	0.08	0.01	0.36	0.00	-27.66	0.01	0.00	385.57
Aug-1998	8.37	0.70	1.65	0.14	0.36	0.00	-20.16	0.00	0.00	385.21
Sep-1998	6.3	0.53	0.32	0.03	0.30	0.00	-17.94	0.00	0.00	384.91
Oct-1998	4.34	0.36	0.04	0.00	0.27	0.00	-12.90	0.00	0.00	384.64
Nov-1998	2.4	0.20	1.38	0.12	0.21	0.00	-3.06	0.00	0.00	384.43
Dec-1998	1.55	0.13	1.42	0.12	0.18	0.00	-0.39	0.00	0.00	384.25
Jan-1999	1.55	0.13	1.58	0.13	0.18	0.00	0.09	0.09	0.00	384.07
Feb-1999	2.52	0.21	0.87	0.07	0.15	0.00	-4.95	0.05	0.00	383.92
Mar-1999	4.03	0.34	0.71	0.06	0.18	0.00	-9.96	0.02	0.00	383.74
Apr-1999	5.7	0.48	1.73	0.14	0.21	0.01	-11.92	0.01	0.00	383.53
May-1999	7.75	0.65	0.2	0.02	0.27	0.00	-22.65	0.00	0.00	383.26
Jun-1999	8.7	0.73	0.32	0.03	0.33	0.00	-25.14	0.00	0.00	382.93
Jul-1999	9.3	0.78	0.87	0.07	0.36	0.00	-25.29	0.00	0.00	382.57
Aug-1999	8.37	0.70	0	0.00	0.36	0.00	-25.11	0.00	0.00	382.21
Sep-1999	6.3	0.53	0.08	0.01	0.30	0.00	-18.66	0.00	0.00	381.91
Oct-1999	4.34	0.36	0.2	0.02	0.27	0.00	-12.42	0.00	0.00	381.64
Nov-1999	2.4	0.20	0.04	0.00	0.21	0.00	-7.08	0.00	0.00	381.43
Dec-1999	1.55	0.13	0.2	0.02	0.18	0.00	-4.05	0.00	0.00	381.25
Jan-2000	1.55	0.13	0.71	0.06	0.18	0.00	-2.52	0.00	0.00	381.07
Feb-2000	2.52	0.21	3.58	0.30	0.15	0.24	2.94	2.94	0.00	380.92
Mar-2000	4.03	0.34	1.14	0.10	0.18	0.00	-8.67	1.13	0.00	380.74
Apr-2000	5.7	0.48	0.55	0.05	0.21	0.00	-15.45	0.31	0.00	380.53
May-2000	7.75	0.65	0.04	0.00	0.27	0.00	-23.13	0.05	0.00	380.26
Jun-2000	8.7	0.73	0.28	0.02	0.33	0.00	-25.26	0.01	0.00	379.93
Jul-2000	9.3	0.78	0	0.00	0.36	0.00	-27.90	0.00	0.00	379.57
Aug-2000	8.37	0.70	0.79	0.07	0.36	0.00	-22.74	0.00	0.00	379.21
Sep-2000	6.3	0.53	0.16	0.01	0.30	0.00	-18.42	0.00	0.00	378.91

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Oct-2000	4.34	0.36	0.67	0.06	0.27	0.00	-11.01	0.00	0.00	378.64
Nov-2000	2.4	0.20	0.28	0.02	0.21	0.00	-6.36	0.00	0.00	378.43
Dec-2000	1.55	0.13	0.08	0.01	0.18	0.00	-4.41	0.00	0.00	378.25
Jan-2001	1.55	0.13	1.69	0.14	0.18	0.00	0.42	0.42	0.00	378.07
Feb-2001	2.52	0.21	2.56	0.21	0.15	0.07	0.05	0.50	0.00	377.92
Mar-2001	4.03	0.34	0.87	0.07	0.18	0.00	-9.48	0.18	0.00	377.74
Apr-2001	5.7	0.48	1.02	0.09	0.21	0.00	-14.04	0.05	0.00	377.53
May-2001	7.75	0.65	0	0.00	0.27	0.00	-23.25	0.01	0.00	377.26
Jun-2001	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.00	0.00	376.93
Jul-2001	9.3	0.78	0.04	0.00	0.36	0.00	-27.78	0.00	0.00	376.57
Aug-2001	8.37	0.70	0	0.00	0.36	0.00	-25.11	0.00	0.00	376.21
Sep-2001	6.3	0.53	2.44	0.20	0.30	0.06	-11.64	0.00	0.00	375.91
Oct-2001	4.34	0.36	0	0.00	0.27	0.00	-13.02	0.00	0.00	375.64
Nov-2001	2.4	0.20	0.59	0.05	0.21	0.00	-5.43	0.00	0.00	375.43
Dec-2001	1.55	0.13	1.1	0.09	0.18	0.00	-1.35	0.00	0.00	375.25
Jan-2002	1.55	0.13	0.32	0.03	0.18	0.00	-3.69	0.00	0.00	375.07
Feb-2002	2.52	0.21	0.16	0.01	0.15	0.00	-7.08	0.00	0.00	374.92
Mar-2002	4.03	0.34	0.67	0.06	0.18	0.00	-10.08	0.00	0.00	374.74
Apr-2002	5.7	0.48	0.43	0.04	0.21	0.00	-15.81	0.00	0.00	374.53
May-2002	7.75	0.65	0	0.00	0.27	0.00	-23.25	0.00	0.00	374.26
Jun-2002	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.00	0.00	373.93
Jul-2002	9.3	0.78	0	0.00	0.36	0.00	-27.90	0.00	0.00	373.57
Aug-2002	8.37	0.70	0	0.00	0.36	0.00	-25.11	0.00	0.00	373.21
Sep-2002	6.3	0.53	0.95	0.08	0.30	0.00	-16.05	0.00	0.00	372.91
Oct-2002	4.34	0.36	0.16	0.01	0.27	0.00	-12.54	0.00	0.00	372.64
Nov-2002	2.4	0.20	1.46	0.12	0.21	0.00	-2.82	0.00	0.00	372.43
Dec-2002	1.55	0.13	1.38	0.12	0.18	0.00	-0.51	0.00	0.00	372.25
Jan-2003	1.55	0.13	0.16	0.01	0.18	0.00	-4.17	0.00	0.00	372.07
Feb-2003	2.52	0.21	3.62	0.30	0.15	0.25	3.05	3.05	0.00	371.92
Mar-2003	4.03	0.34	1.42	0.12	0.18	0.00	-7.83	1.27	0.00	371.74
Apr-2003	5.7	0.48	1.5	0.13	0.21	0.00	-12.60	0.42	0.00	371.53
May-2003	7.75	0.65	0.83	0.07	0.27	0.00	-20.76	0.09	0.00	371.26
Jun-2003	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.01	0.00	370.93
Jul-2003	9.3	0.78	0.2	0.02	0.36	0.00	-27.30	0.00	0.00	370.57
Aug-2003	8.37	0.70	1.93	0.16	0.36	0.02	-19.34	0.00	0.00	370.21
Sep-2003	6.3	0.53	0.04	0.00	0.30	0.00	-18.78	0.00	0.00	369.91
Oct-2003	4.34	0.36	0	0.00	0.27	0.00	-13.02	0.00	0.00	369.64
Nov-2003	2.4	0.20	0.55	0.05	0.21	0.00	-5.55	0.00	0.00	369.43
Dec-2003	1.55	0.13	1.5	0.13	0.18	0.00	-0.15	0.00	0.00	369.25
Jan-2004	1.55	0.13	0.59	0.05	0.18	0.00	-2.88	0.00	0.00	369.07
Feb-2004	2.52	0.21	3.66	0.31	0.15	0.26	3.16	3.16	0.00	368.92
Mar-2004	4.03	0.34	1.54	0.13	0.18	0.00	-7.47	1.36	0.00	368.74
Apr-2004	5.7	0.48	0.66	0.06	0.21	0.00	-15.12	0.37	0.00	368.53
May-2004	7.75	0.65	0	0.00	0.27	0.00	-23.25	0.06	0.00	368.26
Jun-2004	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.01	0.00	367.93

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Jul-2004	9.3	0.78	0.24	0.02	0.36	0.00	-27.18	0.00	0.00	367.57
Aug-2004	8.37	0.70	0.51	0.04	0.36	0.00	-23.58	0.00	0.00	367.21
Sep-2004	6.3	0.53	0.04	0.00	0.30	0.00	-18.78	0.00	0.00	366.91
Oct-2004	4.34	0.36	6.58	0.55	0.27	1.53	5.19	4.68	5.01	371.65
Nov-2004	2.4	0.20	0.67	0.06	0.21	0.00	-5.19	3.65	0.00	371.44
Dec-2004	1.55	0.13	4.14	0.35	0.18	0.39	7.38	8.45	25.54	386.92
Jan-2005	1.55	0.13	3.55	0.30	0.18	0.24	5.76	10.25	45.38	386.92
Feb-2005	2.52	0.21	4.18	0.35	0.15	0.40	4.58	10.25	56.63	386.92
Mar-2005	4.03	0.34	1.02	0.09	0.18	0.00	-9.03	10.25	0.00	386.74
Apr-2005	5.7	0.48	0.39	0.03	0.21	0.00	-15.93	2.64	0.00	386.53
May-2005	7.75	0.65	0.04	0.00	0.27	0.00	-23.13	0.45	0.00	386.26
Jun-2005	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.06	0.00	385.93
Jul-2005	9.3	0.78	0.55	0.05	0.36	0.00	-26.25	0.01	0.00	385.57
Aug-2005	8.37	0.70	3.19	0.27	0.36	0.17	-15.71	0.00	0.00	385.21
Sep-2005	6.3	0.53	0.08	0.01	0.30	0.00	-18.66	0.00	0.00	384.91
Oct-2005	4.34	0.36	0.59	0.05	0.27	0.00	-11.25	0.00	0.00	384.64
Nov-2005	2.4	0.20	0.04	0.00	0.21	0.00	-7.08	0.00	0.00	384.43
Dec-2005	1.55	0.13	0.12	0.01	0.18	0.00	-4.29	0.00	0.00	384.25
Jan-2006	1.55	0.13	0.51	0.04	0.18	0.00	-3.12	0.00	0.00	384.07
Feb-2006	2.52	0.21	1.06	0.09	0.15	0.00	-4.38	0.00	0.00	383.92
Mar-2006	4.03	0.34	2.64	0.22	0.18	0.08	-4.25	0.00	0.00	383.74
Apr-2006	5.7	0.48	1.73	0.14	0.21	0.01	-11.92	0.00	0.00	383.53
May-2006	7.75	0.65	0.08	0.01	0.27	0.00	-23.01	0.00	0.00	383.26
Jun-2006	8.7	0.73	0.16	0.01	0.33	0.00	-25.62	0.00	0.00	382.93
Jul-2006	9.3	0.78	0.35	0.03	0.36	0.00	-26.85	0.00	0.00	382.57
Aug-2006	8.37	0.70	0.08	0.01	0.36	0.00	-24.87	0.00	0.00	382.21
Sep-2006	6.3	0.53	0.04	0.00	0.30	0.00	-18.78	0.00	0.00	381.91
Oct-2006	4.34	0.36	0.24	0.02	0.27	0.00	-12.30	0.00	0.00	381.64
Nov-2006	2.4	0.20	0.08	0.01	0.21	0.00	-6.96	0.00	0.00	381.43
Dec-2006	1.55	0.13	0.79	0.07	0.18	0.00	-2.28	0.00	0.00	381.25
Jan-2007	1.55	0.13	0.35	0.03	0.18	0.00	-3.60	0.00	0.00	381.07
Feb-2007	2.52	0.21	1.3	0.11	0.15	0.00	-3.66	0.00	0.00	380.92
Mar-2007	4.03	0.34	0.39	0.03	0.18	0.00	-10.92	0.00	0.00	380.74
Apr-2007	5.7	0.48	0.32	0.03	0.21	0.00	-16.14	0.00	0.00	380.53
May-2007	7.75	0.65	0	0.00	0.27	0.00	-23.25	0.00	0.00	380.26
Jun-2007	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.00	0.00	379.93
Jul-2007	9.3	0.78	0	0.00	0.36	0.00	-27.90	0.00	0.00	379.57
Aug-2007	8.37	0.70	0	0.00	0.36	0.00	-25.11	0.00	0.00	379.21
Sep-2007	6.3	0.53	0.16	0.01	0.30	0.00	-18.42	0.00	0.00	378.91
Oct-2007	4.34	0.36	0.16	0.01	0.27	0.00	-12.54	0.00	0.00	378.64
Nov-2007	2.4	0.20	1.65	0.14	0.21	0.00	-2.25	0.00	0.00	378.43
Dec-2007	1.55	0.13	0.79	0.07	0.18	0.00	-2.28	0.00	0.00	378.25
Jan-2008	1.55	0.13	4.32	0.36	0.18	0.45	7.86	6.61	12.39	386.92
Feb-2008	2.52	0.21	2.09	0.17	0.15	0.03	-1.32	6.12	0.00	386.77
Mar-2008	4.03	0.34	0.32	0.03	0.18	0.00	-11.13	2.11	0.00	386.59

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Apr-2008	5.7	0.48	0	0.00	0.21	0.00	-17.10	0.54	0.00	386.38
May-2008	7.75	0.65	0.2	0.02	0.27	0.00	-22.65	0.10	0.00	386.11
Jun-2008	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.01	0.00	385.78
Jul-2008	9.3	0.78	0	0.00	0.36	0.00	-27.90	0.00	0.00	385.42
Aug-2008	8.37	0.70	0.24	0.02	0.36	0.00	-24.39	0.00	0.00	385.06
Sep-2008	6.3	0.53	0.63	0.05	0.30	0.00	-17.01	0.00	0.00	384.76
Oct-2008	4.34	0.36	0.04	0.00	0.27	0.00	-12.90	0.00	0.00	384.49
Nov-2008	2.4	0.20	1.38	0.12	0.21	0.00	-3.06	0.00	0.00	384.28
Dec-2008	1.55	0.13	5.39	0.45	0.18	0.88	10.64	8.39	22.25	386.92
Jan-2009	1.55	0.13	0.08	0.01	0.18	0.00	-4.41	6.43	0.00	386.74
Feb-2009	2.52	0.21	2.56	0.21	0.15	0.07	0.05	6.45	0.40	386.92
Mar-2009	4.03	0.34	0	0.00	0.18	0.00	-12.09	3.48	0.00	386.74
Apr-2009	5.7	0.48	0.16	0.01	0.21	0.00	-16.62	0.60	0.00	386.53
May-2009	7.75	0.65	0	0.00	0.27	0.00	-23.25	0.10	0.00	386.26
Jun-2009	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.01	0.00	385.93
Jul-2009	9.3	0.78	0.32	0.03	0.36	0.00	-26.94	0.00	0.00	385.57
Aug-2009	8.37	0.70	0	0.00	0.36	0.00	-25.11	0.00	0.00	385.21
Sep-2009	6.3	0.53	0	0.00	0.30	0.00	-18.90	0.00	0.00	384.91
Oct-2009	4.34	0.36	0.04	0.00	0.27	0.00	-12.90	0.00	0.00	384.64
Nov-2009	2.4	0.20	0.43	0.04	0.21	0.00	-5.91	0.00	0.00	384.43
Dec-2009	1.55	0.13	3.31	0.28	0.18	0.19	5.09	4.83	2.58	386.83
Jan-2010	1.55	0.13	5.75	0.48	0.18	1.06	11.54	10.25	67.70	386.92
Feb-2010	2.52	0.21	2.76	0.23	0.15	0.10	0.62	10.25	7.48	386.92
Mar-2010	4.03	0.34	1.18	0.10	0.18	0.00	-8.55	10.25	0.00	386.74
Apr-2010	5.7	0.48	1.46	0.12	0.21	0.00	-12.72	3.41	0.00	386.53
May-2010	7.75	0.65	0	0.00	0.27	0.00	-23.25	0.57	0.00	386.26
Jun-2010	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.08	0.00	385.93
Jul-2010	9.3	0.78	0.04	0.00	0.36	0.00	-27.78	0.01	0.00	385.57
Aug-2010	8.37	0.70	0	0.00	0.36	0.00	-25.11	0.00	0.00	385.21
Sep-2010	6.3	0.53	0	0.00	0.30	0.00	-18.90	0.00	0.00	384.91
Oct-2010	4.34	0.36	4.1	0.34	0.27	0.38	-1.10	0.00	0.00	384.64
Nov-2010	2.4	0.20	0.83	0.07	0.21	0.00	-4.71	0.00	0.00	384.43
Dec-2010	1.55	0.13	4.1	0.34	0.18	0.38	7.27	6.23	10.30	386.92
Jan-2011	1.55	0.13	0.47	0.04	0.18	0.00	-3.24	5.20	0.00	386.74
Feb-2011	2.52	0.21	4.52	0.38	0.15	0.52	5.48	8.71	19.53	386.92
Mar-2011	4.03	0.34	1.65	0.14	0.18	0.00	-7.14	5.69	0.00	386.74
Apr-2011	5.7	0.48	0.24	0.02	0.21	0.00	-16.38	1.25	0.00	386.53
May-2011	7.75	0.65	0.71	0.06	0.27	0.00	-21.12	0.24	0.00	386.26
Jun-2011	8.7	0.73	0.16	0.01	0.33	0.00	-25.62	0.03	0.00	385.93
Jul-2011	9.3	0.78	0.55	0.05	0.36	0.00	-26.25	0.00	0.00	385.57
Aug-2011	8.37	0.70	0.34	0.03	0.36	0.00	-24.09	0.00	0.00	385.21
Sep-2011	6.3	0.53	0	0.00	0.30	0.00	-18.90	0.00	0.00	384.91
Oct-2011	4.34	0.36	0.5	0.04	0.27	0.00	-11.52	0.00	0.00	384.64
Nov-2011	2.4	0.20	2.71	0.23	0.21	0.09	0.84	0.84	0.00	384.43
Dec-2011	1.55	0.13	1.95	0.16	0.18	0.02	1.18	2.02	0.00	384.25

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Jan-2012	1.55	0.13	0.77	0.06	0.18	0.00	-2.34	1.52	0.00	384.07
Feb-2012	2.52	0.21	1.26	0.11	0.15	0.00	-3.78	1.00	0.00	383.92
Mar-2012	4.03	0.34	1.87	0.16	0.18	0.01	-6.49	0.55	0.00	383.74
Apr-2012	5.7	0.48	1.77	0.15	0.21	0.01	-11.80	0.21	0.00	383.53
May-2012	7.75	0.65	0	0.00	0.27	0.00	-23.25	0.04	0.00	383.26
Jun-2012	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.00	0.00	382.93

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Time	INPUT					OUTPUT				
	Monthly Avg. Reference ET (inches)	Monthly Avg. Reference ET (feet)	Mean Precip (inches)	Mean Precip (feet)	Water Demand (AF)	Runoff (in)	P- (PET+RO) (in)	Soil Moisture (in)	Recharge (AF)	Storage (AF)
Jul-1982	9.3	0.78	0.3276	0.03	0.36	0.00	-26.92	10.25	0.00	386.56
Aug-1982	8.37	0.70	0.5577	0.05	0.36	0.00	-23.44	1.48	0.00	386.20
Sep-1982	6.3	0.53	0.3705	0.03	0.30	0.00	-17.79	0.38	0.00	385.90
Oct-1982	4.34	0.36	0.1287	0.01	0.27	0.00	-12.63	0.15	0.00	385.63
Nov-1982	2.4	0.20	4.3797	0.36	0.21	0.47	5.47	5.16	4.53	386.92
Dec-1982	1.55	0.13	3.4125	0.28	0.18	0.21	5.38	8.68	18.45	386.92
Jan-1983	1.55	0.13	2.2113	0.18	0.18	0.04	1.95	9.90	7.32	386.92
Feb-1983	2.52	0.21	4.7736	0.40	0.15	0.61	6.15	10.25	70.37	386.92
Mar-1983	4.03	0.34	9.828	0.82	0.18	3.94	13.45	10.25	165.16	386.92
Apr-1983	5.7	0.48	2.2074	0.18	0.21	0.04	-10.51	10.25	0.00	386.71
May-1983	7.75	0.65	0.1911	0.02	0.27	0.00	-22.68	1.57	0.00	386.44
Jun-1983	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.21	0.00	386.11
Jul-1983	9.3	0.78	0.0117	0.00	0.36	0.00	-27.86	0.03	0.00	385.75
Aug-1983	8.37	0.70	4.017	0.33	0.36	0.35	-13.41	0.01	0.00	385.39
Sep-1983	6.3	0.53	0.6708	0.06	0.30	0.00	-16.89	0.00	0.00	385.09
Oct-1983	4.34	0.36	1.1505	0.10	0.27	0.00	-9.57	0.00	0.00	384.82
Nov-1983	2.4	0.20	2.4258	0.20	0.21	0.06	0.02	0.05	0.00	384.61
Dec-1983	1.55	0.13	0.9867	0.08	0.18	0.00	-1.69	0.04	0.00	384.43
Jan-1984	1.55	0.13	0.117	0.01	0.18	0.00	-4.30	0.02	0.00	384.25
Feb-1984	2.52	0.21	0	0.00	0.15	0.00	-7.56	0.01	0.00	384.10
Mar-1984	4.03	0.34	0.039	0.00	0.18	0.00	-11.97	0.00	0.00	383.92
Apr-1984	5.7	0.48	0.2379	0.02	0.21	0.00	-16.39	0.00	0.00	383.71
May-1984	7.75	0.65	0	0.00	0.27	0.00	-23.25	0.00	0.00	383.44
Jun-1984	8.7	0.73	0.546	0.05	0.33	0.00	-24.46	0.00	0.00	383.11
Jul-1984	9.3	0.78	1.4937	0.12	0.36	0.00	-23.42	0.00	0.00	382.75
Aug-1984	8.37	0.70	2.2737	0.19	0.36	0.04	-18.33	0.00	0.00	382.39
Sep-1984	6.3	0.53	0.663	0.06	0.30	0.00	-16.91	0.00	0.00	382.09
Oct-1984	4.34	0.36	0.1794	0.01	0.27	0.00	-12.48	0.00	0.00	381.82
Nov-1984	2.4	0.20	1.4157	0.12	0.21	0.00	-2.95	0.00	0.00	381.61
Dec-1984	1.55	0.13	4.2159	0.35	0.18	0.41	7.59	6.43	11.40	386.92
Jan-1985	1.55	0.13	1.5756	0.13	0.18	0.00	0.08	6.48	0.25	386.92
Feb-1985	2.52	0.21	1.4508	0.12	0.15	0.00	-3.21	5.40	0.00	386.77
Mar-1985	4.03	0.34	0.2652	0.02	0.18	0.00	-11.29	1.78	0.00	386.59
Apr-1985	5.7	0.48	0.039	0.00	0.21	0.00	-16.98	0.46	0.00	386.38
May-1985	7.75	0.65	0.0897	0.01	0.27	0.00	-22.98	0.08	0.00	386.11
Jun-1985	8.7	0.73	1.7199	0.14	0.33	0.00	-20.95	0.02	0.00	385.78
Jul-1985	9.3	0.78	0	0.00	0.36	0.00	-27.90	0.00	0.00	385.42
Aug-1985	8.37	0.70	0.3315	0.03	0.36	0.00	-24.12	0.00	0.00	385.06
Sep-1985	6.3	0.53	0.6825	0.06	0.30	0.00	-16.85	0.00	0.00	384.76

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Oct-1985	4.34	0.36	4.4928	0.37	0.27	0.51	-0.05	0.25	0.00	384.49
Nov-1985	2.4	0.20	1.7472	0.15	0.21	0.01	-1.96	0.19	0.00	384.28
Dec-1985	1.55	0.13	0	0.00	0.18	0.00	-4.65	0.11	0.00	384.10
Jan-1986	1.55	0.13	0.7449	0.06	0.18	0.00	-2.42	0.08	0.00	383.92
Feb-1986	2.52	0.21	3.4983	0.29	0.15	0.23	2.71	2.79	0.00	383.77
Mar-1986	4.03	0.34	3.4359	0.29	0.18	0.21	-2.00	2.21	0.00	383.59
Apr-1986	5.7	0.48	0.2769	0.02	0.21	0.00	-16.27	0.47	0.00	383.38
May-1986	7.75	0.65	0.0117	0.00	0.27	0.00	-23.21	0.08	0.00	383.11
Jun-1986	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.01	0.00	382.78
Jul-1986	9.3	0.78	0.3471	0.03	0.36	0.00	-26.86	0.00	0.00	382.42
Aug-1986	8.37	0.70	0.0585	0.00	0.36	0.00	-24.93	0.00	0.00	382.06
Sep-1986	6.3	0.53	1.3065	0.11	0.30	0.00	-14.98	0.00	0.00	381.76
Oct-1986	4.34	0.36	2.0982	0.17	0.27	0.03	-6.75	0.00	0.00	381.49
Nov-1986	2.4	0.20	0.5655	0.05	0.21	0.00	-5.50	0.00	0.00	381.28
Dec-1986	1.55	0.13	0.7137	0.06	0.18	0.00	-2.51	0.00	0.00	381.10
Jan-1987	1.55	0.13	1.6419	0.14	0.18	0.00	0.27	0.27	0.00	380.92
Feb-1987	2.52	0.21	2.5311	0.21	0.15	0.07	-0.04	0.29	0.00	380.77
Mar-1987	4.03	0.34	2.5545	0.21	0.18	0.07	-4.50	0.17	0.00	380.59
Apr-1987	5.7	0.48	0.195	0.02	0.21	0.00	-16.52	0.04	0.00	380.38
May-1987	7.75	0.65	0.0819	0.01	0.27	0.00	-23.00	0.01	0.00	380.11
Jun-1987	8.7	0.73	0.0117	0.00	0.33	0.00	-26.06	0.00	0.00	379.78
Jul-1987	9.3	0.78	0	0.00	0.36	0.00	-27.90	0.00	0.00	379.42
Aug-1987	8.37	0.70	0.6435	0.05	0.36	0.00	-23.18	0.00	0.00	379.06
Sep-1987	6.3	0.53	0.4758	0.04	0.30	0.00	-17.47	0.00	0.00	378.76
Oct-1987	4.34	0.36	3.1005	0.26	0.27	0.15	-3.87	0.00	0.00	378.49
Nov-1987	2.4	0.20	2.457	0.20	0.21	0.06	0.11	0.11	0.00	378.28
Dec-1987	1.55	0.13	1.8057	0.15	0.18	0.01	0.76	0.87	0.00	378.10
Jan-1988	1.55	0.13	3.4593	0.29	0.18	0.22	5.51	5.66	7.15	385.07
Feb-1988	2.52	0.21	1.9266	0.16	0.15	0.01	-1.80	7.68	0.00	384.92
Mar-1988	4.03	0.34	0.7137	0.06	0.18	0.00	-9.95	3.09	0.00	384.74
Apr-1988	5.7	0.48	2.4609	0.21	0.21	0.06	-9.78	1.42	0.00	384.53
May-1988	7.75	0.65	0.3549	0.03	0.27	0.00	-22.19	0.26	0.00	384.26
Jun-1988	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.04	0.00	383.93
Jul-1988	9.3	0.78	0.0234	0.00	0.36	0.00	-27.83	0.00	0.00	383.57
Aug-1988	8.37	0.70	1.6341	0.14	0.36	0.00	-20.21	0.00	0.00	383.21
Sep-1988	6.3	0.53	0	0.00	0.30	0.00	-18.90	0.00	0.00	382.91
Oct-1988	4.34	0.36	0	0.00	0.27	0.00	-13.02	0.00	0.00	382.64
Nov-1988	2.4	0.20	1.0725	0.09	0.21	0.00	-3.98	0.00	0.00	382.43
Dec-1988	1.55	0.13	2.0982	0.17	0.18	0.03	1.62	1.62	0.00	382.25
Jan-1989	1.55	0.13	1.0452	0.09	0.18	0.00	-1.51	1.34	0.00	382.07
Feb-1989	2.52	0.21	1.1739	0.10	0.15	0.00	-4.04	0.86	0.00	381.92
Mar-1989	4.03	0.34	1.6341	0.14	0.18	0.00	-7.19	0.44	0.00	381.74
Apr-1989	5.7	0.48	0.2067	0.02	0.21	0.00	-16.48	0.12	0.00	381.53
May-1989	7.75	0.65	0.1287	0.01	0.27	0.00	-22.86	0.02	0.00	381.26
Jun-1989	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.00	0.00	380.93

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Jul-1989	9.3	0.78	0	0.00	0.36	0.00	-27.90	0.00	0.00	380.57
Aug-1989	8.37	0.70	0	0.00	0.36	0.00	-25.11	0.00	0.00	380.21
Sep-1989	6.3	0.53	0.1677	0.01	0.30	0.00	-18.40	0.00	0.00	379.91
Oct-1989	4.34	0.36	0.3549	0.03	0.27	0.00	-11.96	0.00	0.00	379.64
Nov-1989	2.4	0.20	0.0312	0.00	0.21	0.00	-7.11	0.00	0.00	379.43
Dec-1989	1.55	0.13	0.2886	0.02	0.18	0.00	-3.78	0.00	0.00	379.25
Jan-1990	1.55	0.13	3.0342	0.25	0.18	0.14	4.31	4.31	0.00	379.07
Feb-1990	2.52	0.21	1.7589	0.15	0.15	0.01	-2.29	3.27	0.00	378.92
Mar-1990	4.03	0.34	0.6903	0.06	0.18	0.00	-10.02	1.20	0.00	378.74
Apr-1990	5.7	0.48	0.9789	0.08	0.21	0.00	-14.16	0.38	0.00	378.53
May-1990	7.75	0.65	0.2262	0.02	0.27	0.00	-22.57	0.07	0.00	378.26
Jun-1990	8.7	0.73	0.2184	0.02	0.33	0.00	-25.44	0.01	0.00	377.93
Jul-1990	9.3	0.78	0.1092	0.01	0.36	0.00	-27.57	0.00	0.00	377.57
Aug-1990	8.37	0.70	0.1794	0.01	0.36	0.00	-24.57	0.00	0.00	377.21
Sep-1990	6.3	0.53	0.6162	0.05	0.30	0.00	-17.05	0.00	0.00	376.91
Oct-1990	4.34	0.36	0.039	0.00	0.27	0.00	-12.90	0.00	0.00	376.64
Nov-1990	2.4	0.20	0.5538	0.05	0.21	0.00	-5.54	0.00	0.00	376.43
Dec-1990	1.55	0.13	1.287	0.11	0.18	0.00	-0.79	0.00	0.00	376.25
Jan-1991	1.55	0.13	1.3377	0.11	0.18	0.00	-0.64	0.00	0.00	376.07
Feb-1991	2.52	0.21	2.2113	0.18	0.15	0.04	-0.96	0.00	0.00	375.92
Mar-1991	4.03	0.34	12.0627	1.01	0.18	5.99	18.11	10.25	85.95	386.92
Apr-1991	5.7	0.48	0.0507	0.00	0.21	0.00	-16.95	10.25	0.00	386.71
May-1991	7.75	0.65	0	0.00	0.27	0.00	-23.25	1.50	0.00	386.44
Jun-1991	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.20	0.00	386.11
Jul-1991	9.3	0.78	0.6123	0.05	0.36	0.00	-26.06	0.03	0.00	385.75
Aug-1991	8.37	0.70	0	0.00	0.36	0.00	-25.11	0.00	0.00	385.39
Sep-1991	6.3	0.53	0.351	0.03	0.30	0.00	-17.85	0.00	0.00	385.09
Oct-1991	4.34	0.36	0.5772	0.05	0.27	0.00	-11.29	0.00	0.00	384.82
Nov-1991	2.4	0.20	0.2964	0.02	0.21	0.00	-6.31	0.00	0.00	384.61
Dec-1991	1.55	0.13	2.8002	0.23	0.18	0.11	3.64	3.64	0.00	384.43
Jan-1992	1.55	0.13	2.6832	0.22	0.18	0.09	3.31	6.07	8.75	386.92
Feb-1992	2.52	0.21	5.0037	0.42	0.15	0.71	6.74	10.09	27.64	386.92
Mar-1992	4.03	0.34	4.8867	0.41	0.18	0.66	1.91	10.25	19.76	386.92
Apr-1992	5.7	0.48	0.6747	0.06	0.21	0.00	-15.08	10.25	0.00	386.71
May-1992	7.75	0.65	0.2262	0.02	0.27	0.00	-22.57	1.58	0.00	386.44
Jun-1992	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.22	0.00	386.11
Jul-1992	9.3	0.78	0.7449	0.06	0.36	0.00	-25.67	0.03	0.00	385.75
Aug-1992	8.37	0.70	2.028	0.17	0.36	0.02	-19.05	0.01	0.00	385.39
Sep-1992	6.3	0.53	0	0.00	0.30	0.00	-18.90	0.00	0.00	385.09
Oct-1992	4.34	0.36	0.2379	0.02	0.27	0.00	-12.31	0.00	0.00	384.82
Nov-1992	2.4	0.20	0.0585	0.00	0.21	0.00	-7.02	0.00	0.00	384.61
Dec-1992	1.55	0.13	3.9975	0.33	0.18	0.35	7.00	6.06	9.31	386.92
Jan-1993	1.55	0.13	18.4392	1.54	0.18	12.87	37.79	10.25	410.23	386.92
Feb-1993	2.52	0.21	6.4506	0.54	0.15	1.46	10.34	10.25	127.88	386.92
Mar-1993	4.03	0.34	1.5132	0.13	0.18	0.00	-7.55	10.25	0.00	386.74

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Apr-1993	5.7	0.48	0	0.00	0.21	0.00	-17.10	2.41	0.00	386.53
May-1993	7.75	0.65	0.117	0.01	0.27	0.00	-22.90	0.42	0.00	386.26
Jun-1993	8.7	0.73	0.1599	0.01	0.33	0.00	-25.62	0.06	0.00	385.93
Jul-1993	9.3	0.78	0	0.00	0.36	0.00	-27.90	0.01	0.00	385.57
Aug-1993	8.37	0.70	0	0.00	0.36	0.00	-25.11	0.00	0.00	385.21
Sep-1993	6.3	0.53	0	0.00	0.30	0.00	-18.90	0.00	0.00	384.91
Oct-1993	4.34	0.36	0.2964	0.02	0.27	0.00	-12.13	0.00	0.00	384.64
Nov-1993	2.4	0.20	1.4781	0.12	0.21	0.00	-2.77	0.00	0.00	384.43
Dec-1993	1.55	0.13	1.1505	0.10	0.18	0.00	-1.20	0.00	0.00	384.25
Jan-1994	1.55	0.13	1.6848	0.14	0.18	0.00	0.40	0.40	0.00	384.07
Feb-1994	2.52	0.21	4.1067	0.34	0.15	0.38	4.38	4.57	2.09	386.01
Mar-1994	4.03	0.34	3.1122	0.26	0.18	0.16	-2.91	3.95	0.00	385.83
Apr-1994	5.7	0.48	1.3377	0.11	0.21	0.00	-13.09	0.99	0.00	385.62
May-1994	7.75	0.65	0	0.00	0.27	0.00	-23.25	0.16	0.00	385.35
Jun-1994	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.02	0.00	385.02
Jul-1994	9.3	0.78	0	0.00	0.36	0.00	-27.90	0.00	0.00	384.66
Aug-1994	8.37	0.70	1.2051	0.10	0.36	0.00	-21.49	0.00	0.00	384.30
Sep-1994	6.3	0.53	0	0.00	0.30	0.00	-18.90	0.00	0.00	384.00
Oct-1994	4.34	0.36	0.1911	0.02	0.27	0.00	-12.45	0.00	0.00	383.73
Nov-1994	2.4	0.20	0.6786	0.06	0.21	0.00	-5.16	0.00	0.00	383.52
Dec-1994	1.55	0.13	0.9633	0.08	0.18	0.00	-1.76	0.00	0.00	383.34
Jan-1995	1.55	0.13	10.0269	0.84	0.18	4.12	21.31	10.25	127.57	386.92
Feb-1995	2.52	0.21	3.2487	0.27	0.15	0.18	2.01	10.25	24.75	386.92
Mar-1995	4.03	0.34	6.5637	0.55	0.18	1.52	6.08	10.25	73.96	386.92
Apr-1995	5.7	0.48	1.248	0.10	0.21	0.00	-13.36	10.25	0.00	386.71
May-1995	7.75	0.65	1.092	0.09	0.27	0.00	-19.97	1.93	0.00	386.44
Jun-1995	8.7	0.73	0.4758	0.04	0.33	0.00	-24.67	0.29	0.00	386.11
Jul-1995	9.3	0.78	0.0585	0.00	0.36	0.00	-27.72	0.04	0.00	385.75
Aug-1995	8.37	0.70	0.6357	0.05	0.36	0.00	-23.20	0.01	0.00	385.39
Sep-1995	6.3	0.53	0.2808	0.02	0.30	0.00	-18.06	0.00	0.00	385.09
Oct-1995	4.34	0.36	0	0.00	0.27	0.00	-13.02	0.00	0.00	384.82
Nov-1995	2.4	0.20	0.078	0.01	0.21	0.00	-6.97	0.00	0.00	384.61
Dec-1995	1.55	0.13	0.5655	0.05	0.18	0.00	-2.95	0.00	0.00	384.43
Jan-1996	1.55	0.13	1.5249	0.13	0.18	0.00	-0.08	0.00	0.00	384.25
Feb-1996	2.52	0.21	3.1746	0.26	0.15	0.17	1.80	1.80	0.00	384.10
Mar-1996	4.03	0.34	2.73	0.23	0.18	0.10	-4.00	1.12	0.00	383.92
Apr-1996	5.7	0.48	0.5265	0.04	0.21	0.00	-15.52	0.27	0.00	383.71
May-1996	7.75	0.65	0.0702	0.01	0.27	0.00	-23.04	0.05	0.00	383.44
Jun-1996	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.01	0.00	383.11
Jul-1996	9.3	0.78	0	0.00	0.36	0.00	-27.90	0.00	0.00	382.75
Aug-1996	8.37	0.70	0.0702	0.01	0.36	0.00	-24.90	0.00	0.00	382.39
Sep-1996	6.3	0.53	0.0312	0.00	0.30	0.00	-18.81	0.00	0.00	382.09
Oct-1996	4.34	0.36	1.5405	0.13	0.27	0.00	-8.40	0.00	0.00	381.82
Nov-1996	2.4	0.20	0.9126	0.08	0.21	0.00	-4.46	0.00	0.00	381.61
Dec-1996	1.55	0.13	1.9656	0.16	0.18	0.02	1.23	1.23	0.00	381.43

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Jan-1997	1.55	0.13	4.2939	0.36	0.18	0.44	7.79	7.38	16.26	386.92
Feb-1997	2.52	0.21	1.5132	0.13	0.15	0.00	-3.02	6.17	0.00	386.77
Mar-1997	4.03	0.34	0.0195	0.00	0.18	0.00	-12.03	1.98	0.00	386.59
Apr-1997	5.7	0.48	0.2184	0.02	0.21	0.00	-16.44	0.54	0.00	386.38
May-1997	7.75	0.65	0	0.00	0.27	0.00	-23.25	0.09	0.00	386.11
Jun-1997	8.7	0.73	0.0702	0.01	0.33	0.00	-25.89	0.01	0.00	385.78
Jul-1997	9.3	0.78	1.9149	0.16	0.36	0.01	-22.17	0.00	0.00	385.42
Aug-1997	8.37	0.70	0.1599	0.01	0.36	0.00	-24.63	0.00	0.00	385.06
Sep-1997	6.3	0.53	1.7433	0.15	0.30	0.01	-13.68	0.00	0.00	384.76
Oct-1997	4.34	0.36	4.1691	0.35	0.27	0.40	-0.91	0.00	0.00	384.49
Nov-1997	2.4	0.20	0	0.00	0.21	0.00	-7.20	0.00	0.00	384.28
Dec-1997	1.55	0.13	0	0.00	0.18	0.00	-4.65	0.00	0.00	384.10
Jan-1998	1.55	0.13	1.5912	0.13	0.18	0.00	0.12	0.12	0.00	383.92
Feb-1998	2.52	0.21	10.2726	0.86	0.15	4.33	18.93	10.25	98.78	386.92
Mar-1998	4.03	0.34	4.3563	0.36	0.18	0.46	0.52	10.25	6.65	386.92
Apr-1998	5.7	0.48	2.1723	0.18	0.21	0.03	-10.62	7.84	0.00	386.71
May-1998	7.75	0.65	1.1583	0.10	0.27	0.00	-19.78	1.45	0.00	386.44
Jun-1998	8.7	0.73	0.0234	0.00	0.33	0.00	-26.03	0.20	0.00	386.11
Jul-1998	9.3	0.78	0.1014	0.01	0.36	0.00	-27.60	0.03	0.00	385.75
Aug-1998	8.37	0.70	0.1989	0.02	0.36	0.00	-24.51	0.00	0.00	385.39
Sep-1998	6.3	0.53	0.1989	0.02	0.30	0.00	-18.30	0.00	0.00	385.09
Oct-1998	4.34	0.36	0.0351	0.00	0.27	0.00	-12.91	0.00	0.00	384.82
Nov-1998	2.4	0.20	1.1583	0.10	0.21	0.00	-3.73	0.00	0.00	384.61
Dec-1998	1.55	0.13	1.4079	0.12	0.18	0.00	-0.43	0.00	0.00	384.43
Jan-1999	1.55	0.13	1.6458	0.14	0.18	0.00	0.28	0.29	0.00	384.25
Feb-1999	2.52	0.21	0.8229	0.07	0.15	0.00	-5.09	0.16	0.00	384.10
Mar-1999	4.03	0.34	0.6201	0.05	0.18	0.00	-10.23	0.06	0.00	383.92
Apr-1999	5.7	0.48	3.2799	0.27	0.21	0.18	-7.45	0.03	0.00	383.71
May-1999	7.75	0.65	0	0.00	0.27	0.00	-23.25	0.01	0.00	383.44
Jun-1999	8.7	0.73	0.4563	0.04	0.33	0.00	-24.73	0.00	0.00	383.11
Jul-1999	9.3	0.78	0.3588	0.03	0.36	0.00	-26.82	0.00	0.00	382.75
Aug-1999	8.37	0.70	0	0.00	0.36	0.00	-25.11	0.00	0.00	382.39
Sep-1999	6.3	0.53	0.1365	0.01	0.30	0.00	-18.49	0.00	0.00	382.09
Oct-1999	4.34	0.36	0	0.00	0.27	0.00	-13.02	0.00	0.00	381.82
Nov-1999	2.4	0.20	0	0.00	0.21	0.00	-7.20	0.00	0.00	381.61
Dec-1999	1.55	0.13	0.2067	0.02	0.18	0.00	-4.03	0.00	0.00	381.43
Jan-2000	1.55	0.13	0.741	0.06	0.18	0.00	-2.43	0.00	0.00	381.25
Feb-2000	2.52	0.21	4.1652	0.35	0.15	0.40	4.54	4.41	1.31	382.41
Mar-2000	4.03	0.34	1.4586	0.12	0.18	0.00	-7.71	3.12	0.00	382.23
Apr-2000	5.7	0.48	0.4563	0.04	0.21	0.00	-15.73	0.54	0.00	382.02
May-2000	7.75	0.65	0	0.00	0.27	0.00	-23.25	0.08	0.00	381.75
Jun-2000	8.7	0.73	0.2067	0.02	0.33	0.00	-25.48	0.01	0.00	381.42
Jul-2000	9.3	0.78	0	0.00	0.36	0.00	-27.90	0.00	0.00	381.06
Aug-2000	8.37	0.70	0.1287	0.01	0.36	0.00	-24.72	0.00	0.00	380.70
Sep-2000	6.3	0.53	0.2964	0.02	0.30	0.00	-18.01	0.00	0.00	380.40

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Oct-2000	4.34	0.36	0.6396	0.05	0.27	0.00	-11.10	0.00	0.00	380.13
Nov-2000	2.4	0.20	0.3861	0.03	0.21	0.00	-6.04	0.00	0.00	379.92
Dec-2000	1.55	0.13	0.039	0.00	0.18	0.00	-4.53	0.00	0.00	379.74
Jan-2001	1.55	0.13	2.8977	0.24	0.18	0.12	3.92	3.92	0.00	379.56
Feb-2001	2.52	0.21	4.0833	0.34	0.15	0.37	4.32	6.84	13.88	386.92
Mar-2001	4.03	0.34	1.7472	0.15	0.18	0.01	-6.85	7.50	0.00	386.74
Apr-2001	5.7	0.48	1.443	0.12	0.21	0.00	-12.77	2.33	0.00	386.53
May-2001	7.75	0.65	0.0312	0.00	0.27	0.00	-23.16	0.38	0.00	386.26
Jun-2001	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.05	0.00	385.93
Jul-2001	9.3	0.78	0.1209	0.01	0.36	0.00	-27.54	0.01	0.00	385.57
Aug-2001	8.37	0.70	0	0.00	0.36	0.00	-25.11	0.00	0.00	385.21
Sep-2001	6.3	0.53	0.2379	0.02	0.30	0.00	-18.19	0.00	0.00	384.91
Oct-2001	4.34	0.36	0	0.00	0.27	0.00	-13.02	0.00	0.00	384.64
Nov-2001	2.4	0.20	1.0998	0.09	0.21	0.00	-3.90	0.00	0.00	384.43
Dec-2001	1.55	0.13	1.0101	0.08	0.18	0.00	-1.62	0.00	0.00	384.25
Jan-2002	1.55	0.13	0.3978	0.03	0.18	0.00	-3.46	0.00	0.00	384.07
Feb-2002	2.52	0.21	0.1209	0.01	0.15	0.00	-7.20	0.00	0.00	383.92
Mar-2002	4.03	0.34	1.1115	0.09	0.18	0.00	-8.76	0.00	0.00	383.74
Apr-2002	5.7	0.48	0.3861	0.03	0.21	0.00	-15.94	0.00	0.00	383.53
May-2002	7.75	0.65	0	0.00	0.27	0.00	-23.25	0.00	0.00	383.26
Jun-2002	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.00	0.00	382.93
Jul-2002	9.3	0.78	0.1872	0.02	0.36	0.00	-27.34	0.00	0.00	382.57
Aug-2002	8.37	0.70	0	0.00	0.36	0.00	-25.11	0.00	0.00	382.21
Sep-2002	6.3	0.53	1.1544	0.10	0.30	0.00	-15.44	0.00	0.00	381.91
Oct-2002	4.34	0.36	0.0117	0.00	0.27	0.00	-12.98	0.00	0.00	381.64
Nov-2002	2.4	0.20	1.0257	0.09	0.21	0.00	-4.12	0.00	0.00	381.43
Dec-2002	1.55	0.13	1.8408	0.15	0.18	0.01	0.86	0.86	0.00	381.25
Jan-2003	1.55	0.13	0.1794	0.01	0.18	0.00	-4.11	0.53	0.00	381.07
Feb-2003	2.52	0.21	4.0482	0.34	0.15	0.36	4.22	4.62	1.35	382.27
Mar-2003	4.03	0.34	2.1723	0.18	0.18	0.03	-5.61	3.54	0.00	382.09
Apr-2003	5.7	0.48	1.5444	0.13	0.21	0.00	-12.47	0.88	0.00	381.88
May-2003	7.75	0.65	0.9009	0.08	0.27	0.00	-20.55	0.17	0.00	381.61
Jun-2003	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.02	0.00	381.28
Jul-2003	9.3	0.78	1.911	0.16	0.36	0.01	-22.18	0.00	0.00	380.92
Aug-2003	8.37	0.70	1.4742	0.12	0.36	0.00	-20.69	0.00	0.00	380.56
Sep-2003	6.3	0.53	0.3744	0.03	0.30	0.00	-17.78	0.00	0.00	380.26
Oct-2003	4.34	0.36	0	0.00	0.27	0.00	-13.02	0.00	0.00	379.99
Nov-2003	2.4	0.20	0.5499	0.05	0.21	0.00	-5.55	0.00	0.00	379.78
Dec-2003	1.55	0.13	1.2519	0.10	0.18	0.00	-0.89	0.00	0.00	379.60
Jan-2004	1.55	0.13	0.6747	0.06	0.18	0.00	-2.63	0.00	0.00	379.42
Feb-2004	2.52	0.21	4.4109	0.37	0.15	0.48	5.20	4.83	3.64	382.90
Mar-2004	4.03	0.34	0.6552	0.05	0.18	0.00	-10.12	3.04	0.00	382.72
Apr-2004	5.7	0.48	1.3182	0.11	0.21	0.00	-13.15	0.65	0.00	382.51
May-2004	7.75	0.65	0	0.00	0.27	0.00	-23.25	0.10	0.00	382.24
Jun-2004	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.01	0.00	381.91

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Jul-2004	9.3	0.78	0.1404	0.01	0.36	0.00	-27.48	0.00	0.00	381.55
Aug-2004	8.37	0.70	0.0117	0.00	0.36	0.00	-25.07	0.00	0.00	381.19
Sep-2004	6.3	0.53	0	0.00	0.30	0.00	-18.90	0.00	0.00	380.89
Oct-2004	4.34	0.36	8.5059	0.71	0.27	2.87	9.63	7.53	20.83	386.92
Nov-2004	2.4	0.20	1.0725	0.09	0.21	0.00	-3.98	5.96	0.00	386.71
Dec-2004	1.55	0.13	4.6956	0.39	0.18	0.58	8.85	10.25	48.77	386.92
Jan-2005	1.55	0.13	5.1207	0.43	0.18	0.76	9.95	10.25	123.93	386.92
Feb-2005	2.52	0.21	4.8477	0.40	0.15	0.64	6.34	10.25	78.45	386.92
Mar-2005	4.03	0.34	1.5834	0.13	0.18	0.00	-7.34	10.25	0.00	386.74
Apr-2005	5.7	0.48	0.5811	0.05	0.21	0.00	-15.36	2.77	0.00	386.53
May-2005	7.75	0.65	0.039	0.00	0.27	0.00	-23.13	0.47	0.00	386.26
Jun-2005	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.06	0.00	385.93
Jul-2005	9.3	0.78	0.4641	0.04	0.36	0.00	-26.51	0.01	0.00	385.57
Aug-2005	8.37	0.70	2.5077	0.21	0.36	0.07	-17.65	0.00	0.00	385.21
Sep-2005	6.3	0.53	0.0117	0.00	0.30	0.00	-18.86	0.00	0.00	384.91
Oct-2005	4.34	0.36	0.6123	0.05	0.27	0.00	-11.18	0.00	0.00	384.64
Nov-2005	2.4	0.20	0.1092	0.01	0.21	0.00	-6.87	0.00	0.00	384.43
Dec-2005	1.55	0.13	0	0.00	0.18	0.00	-4.65	0.00	0.00	384.25
Jan-2006	1.55	0.13	0.975	0.08	0.18	0.00	-1.73	0.00	0.00	384.07
Feb-2006	2.52	0.21	1.287	0.11	0.15	0.00	-3.70	0.00	0.00	383.92
Mar-2006	4.03	0.34	3.3384	0.28	0.18	0.20	-2.27	0.00	0.00	383.74
Apr-2006	5.7	0.48	2.2308	0.19	0.21	0.04	-10.45	0.00	0.00	383.53
May-2006	7.75	0.65	0.2184	0.02	0.27	0.00	-22.59	0.00	0.00	383.26
Jun-2006	8.7	0.73	0.156	0.01	0.33	0.00	-25.63	0.00	0.00	382.93
Jul-2006	9.3	0.78	0.5187	0.04	0.36	0.00	-26.34	0.00	0.00	382.57
Aug-2006	8.37	0.70	0.0312	0.00	0.36	0.00	-25.02	0.00	0.00	382.21
Sep-2006	6.3	0.53	0.0702	0.01	0.30	0.00	-18.69	0.00	0.00	381.91
Oct-2006	4.34	0.36	0.3588	0.03	0.27	0.00	-11.94	0.00	0.00	381.64
Nov-2006	2.4	0.20	0.1677	0.01	0.21	0.00	-6.70	0.00	0.00	381.43
Dec-2006	1.55	0.13	1.1817	0.10	0.18	0.00	-1.10	0.00	0.00	381.25
Jan-2007	1.55	0.13	0.741	0.06	0.18	0.00	-2.43	0.00	0.00	381.07
Feb-2007	2.52	0.21	3.0537	0.25	0.15	0.15	1.46	1.46	0.00	380.92
Mar-2007	4.03	0.34	0.2184	0.02	0.18	0.00	-11.43	0.43	0.00	380.74
Apr-2007	5.7	0.48	0.7605	0.06	0.21	0.00	-14.82	0.13	0.00	380.53
May-2007	7.75	0.65	0.039	0.00	0.27	0.00	-23.13	0.02	0.00	380.26
Jun-2007	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.00	0.00	379.93
Jul-2007	9.3	0.78	0.1794	0.01	0.36	0.00	-27.36	0.00	0.00	379.57
Aug-2007	8.37	0.70	0.1287	0.01	0.36	0.00	-24.72	0.00	0.00	379.21
Sep-2007	6.3	0.53	0.0117	0.00	0.30	0.00	-18.86	0.00	0.00	378.91
Oct-2007	4.34	0.36	0.1677	0.01	0.27	0.00	-12.52	0.00	0.00	378.64
Nov-2007	2.4	0.20	0.3198	0.03	0.21	0.00	-6.24	0.00	0.00	378.43
Dec-2007	1.55	0.13	2.6559	0.22	0.18	0.09	3.23	3.23	0.00	378.25
Jan-2008	1.55	0.13	7.2228	0.60	0.18	1.94	15.07	10.25	90.91	386.92
Feb-2008	2.52	0.21	2.8548	0.24	0.15	0.11	0.89	10.25	10.85	386.92
Mar-2008	4.03	0.34	0.507	0.04	0.18	0.00	-10.57	10.25	0.00	386.74

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Apr-2008	5.7	0.48	0	0.00	0.21	0.00	-17.10	2.41	0.00	386.53
May-2008	7.75	0.65	0.2574	0.02	0.27	0.00	-22.48	0.43	0.00	386.26
Jun-2008	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.06	0.00	385.93
Jul-2008	9.3	0.78	0	0.00	0.36	0.00	-27.90	0.01	0.00	385.57
Aug-2008	8.37	0.70	1.3377	0.11	0.36	0.00	-21.10	0.00	0.00	385.21
Sep-2008	6.3	0.53	0	0.00	0.30	0.00	-18.90	0.00	0.00	384.91
Oct-2008	4.34	0.36	0	0.00	0.27	0.00	-13.02	0.00	0.00	384.64
Nov-2008	2.4	0.20	1.7862	0.15	0.21	0.01	-1.85	0.00	0.00	384.43
Dec-2008	1.55	0.13	6.1464	0.51	0.18	1.28	12.51	9.59	28.92	386.92
Jan-2009	1.55	0.13	0.1989	0.02	0.18	0.00	-4.05	7.45	0.00	386.74
Feb-2009	2.52	0.21	3.6621	0.31	0.15	0.26	3.17	9.47	11.31	386.92
Mar-2009	4.03	0.34	0.0897	0.01	0.18	0.00	-11.82	4.75	0.00	386.74
Apr-2009	5.7	0.48	0.2379	0.02	0.21	0.00	-16.39	0.97	0.00	386.53
May-2009	7.75	0.65	0	0.00	0.27	0.00	-23.25	0.16	0.00	386.26
Jun-2009	8.7	0.73	0.0312	0.00	0.33	0.00	-26.01	0.02	0.00	385.93
Jul-2009	9.3	0.78	0	0.00	0.36	0.00	-27.90	0.00	0.00	385.57
Aug-2009	8.37	0.70	0	0.00	0.36	0.00	-25.11	0.00	0.00	385.21
Sep-2009	6.3	0.53	0.0312	0.00	0.30	0.00	-18.81	0.00	0.00	384.91
Oct-2009	4.34	0.36	0.0312	0.00	0.27	0.00	-12.93	0.00	0.00	384.64
Nov-2009	2.4	0.20	0.6942	0.06	0.21	0.00	-5.12	0.00	0.00	384.43
Dec-2009	1.55	0.13	4.8204	0.40	0.18	0.63	9.18	7.46	17.07	386.92
Jan-2010	1.55	0.13	6.5403	0.55	0.18	1.51	13.46	10.25	127.70	386.92
Feb-2010	2.52	0.21	5.0817	0.42	0.15	0.74	6.94	10.25	85.90	386.92
Mar-2010	4.03	0.34	1.3572	0.11	0.18	0.00	-8.02	10.25	0.00	386.74
Apr-2010	5.7	0.48	2.3361	0.19	0.21	0.05	-10.14	4.19	0.00	386.53
May-2010	7.75	0.65	0	0.00	0.27	0.00	-23.25	0.69	0.00	386.26
Jun-2010	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.09	0.00	385.93
Jul-2010	9.3	0.78	0.0702	0.01	0.36	0.00	-27.69	0.01	0.00	385.57
Aug-2010	8.37	0.70	0	0.00	0.36	0.00	-25.11	0.00	0.00	385.21
Sep-2010	6.3	0.53	0.078	0.01	0.30	0.00	-18.67	0.00	0.00	384.91
Oct-2010	4.34	0.36	3.198	0.27	0.27	0.17	-3.60	0.00	0.00	384.64
Nov-2010	2.4	0.20	1.1778	0.10	0.21	0.00	-3.67	0.00	0.00	384.43
Dec-2010	1.55	0.13	8.1471	0.68	0.18	2.60	17.19	10.25	76.57	386.92
Jan-2011	1.55	0.13	0.2379	0.02	0.18	0.00	-3.94	10.25	0.00	386.74
Feb-2011	2.52	0.21	4.8867	0.41	0.15	0.66	6.44	10.25	79.69	386.92
Mar-2011	4.03	0.34	1.6302	0.14	0.18	0.00	-7.20	10.25	0.00	386.74
Apr-2011	5.7	0.48	0.3861	0.03	0.21	0.00	-15.94	2.64	0.00	386.53
May-2011	7.75	0.65	0.7137	0.06	0.27	0.00	-21.11	0.52	0.00	386.26
Jun-2011	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.07	0.00	385.93
Jul-2011	9.3	0.78	0.2184	0.02	0.36	0.00	-27.24	0.01	0.00	385.57
Aug-2011	8.37	0.70	1.2675	0.11	0.36	0.00	-21.31	0.00	0.00	385.21
Sep-2011	6.3	0.53	0.2184	0.02	0.30	0.00	-18.24	0.00	0.00	384.91
Oct-2011	4.34	0.36	0.6357	0.05	0.27	0.00	-11.11	0.00	0.00	384.64
Nov-2011	2.4	0.20	3.3618	0.28	0.21	0.20	2.69	2.69	0.00	384.43
Dec-2011	1.55	0.13	1.6068	0.13	0.18	0.00	0.17	2.85	0.00	384.25

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Jan-2012	1.55	0.13	0.7254	0.06	0.18	0.00	-2.47	3.02	0.00	384.07
Feb-2012	2.52	0.21	1.9968	0.17	0.15	0.02	-1.59	2.41	0.00	383.92
Mar-2012	4.03	0.34	2.8587	0.24	0.18	0.11	-3.63	1.50	0.00	383.74
Apr-2012	5.7	0.48	2.8275	0.24	0.21	0.11	-8.73	0.60	0.00	383.53
May-2012	7.75	0.65	0	0.00	0.27	0.00	-23.25	0.09	0.00	383.26
Jun-2012	8.7	0.73	0	0.00	0.33	0.00	-26.10	0.01	0.00	382.93

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Time	INPUT					OUTPUT				
	Monthly Avg. Reference ET (inches)	Monthly Avg. Reference ET (feet)	Mean Precip (inches)	Mean Precip (feet)	Water Demand (AF)	Runoff (in)	P- (PET+RO) (in)	Soil Moisture (in)	Recharge (AF)	Storage (AF)
Jul-1982	9.3	0.78	0	0.00	3.13	0.00	-27.90	10.25	0.00	383.79
Aug-1982	8.37	0.70	0.68	0.06	3.13	0.00	-23.07	1.52	0.00	380.67
Sep-1982	6.3	0.53	0.32	0.03	2.56	0.00	-17.94	0.39	0.00	378.11
Oct-1982	4.34	0.36	0	0.00	2.47	0.00	-13.02	0.14	0.00	375.64
Nov-1982	2.4	0.20	0.71	0.06	2.30	0.00	-5.07	0.10	0.00	373.34
Dec-1982	1.55	0.13	0	0.00	2.11	0.00	-4.65	0.07	0.00	371.23
Jan-1983	1.55	0.13	1.92	0.16	0.51	0.01	1.10	1.16	0.00	370.71
Feb-1983	2.52	0.21	3.35	0.28	0.43	0.20	2.29	3.46	0.00	370.28
Mar-1983	4.03	0.34	8.32	0.69	1.01	2.73	10.14	9.63	40.29	386.92
Apr-1983	5.7	0.48	1.36	0.11	2.40	0.00	-13.02	7.31	0.00	384.52
May-1983	7.75	0.65	0.12	0.01	1.87	0.00	-22.89	1.05	0.00	382.65
Jun-1983	8.7	0.73	0	0.00	2.34	0.00	-26.10	0.15	0.00	380.31
Jul-1983	9.3	0.78	0	0.00	2.43	0.00	-27.90	0.02	0.00	377.88
Aug-1983	8.37	0.70	1.18	0.10	1.03	0.00	-21.57	0.00	0.00	376.85
Sep-1983	6.3	0.53	0.95	0.08	0.86	0.00	-16.05	0.00	0.00	376.00
Oct-1983	4.34	0.36	1.06	0.09	0.77	0.00	-9.84	0.00	0.00	375.23
Nov-1983	2.4	0.20	1.42	0.12	0.60	0.00	-2.94	0.00	0.00	374.63
Dec-1983	1.55	0.13	0	0.00	0.51	0.00	-4.65	0.00	0.00	374.12
Jan-1984	1.55	0.13	0.24	0.02	0.51	0.00	-3.93	0.00	0.00	373.60
Feb-1984	2.52	0.21	0	0.00	0.43	0.00	-7.56	0.00	0.00	373.17
Mar-1984	4.03	0.34	0.04	0.00	0.51	0.00	-11.97	0.00	0.00	372.66
Apr-1984	5.7	0.48	0.12	0.01	0.60	0.00	-16.74	0.00	0.00	372.06
May-1984	7.75	0.65	0	0.00	0.77	0.00	-23.25	0.00	0.00	371.29
Jun-1984	8.7	0.73	0.12	0.01	0.94	0.00	-25.74	0.00	0.00	370.35
Jul-1984	9.3	0.78	2.8	0.23	1.03	0.11	-19.61	0.00	0.00	369.32
Aug-1984	8.37	0.70	0	0.00	1.03	0.00	-25.11	0.00	0.00	368.29
Sep-1984	6.3	0.53	0	0.00	0.86	0.00	-18.90	0.00	0.00	367.44
Oct-1984	4.34	0.36	0.04	0.00	0.77	0.00	-12.90	0.00	0.00	366.67
Nov-1984	2.4	0.20	0.83	0.07	0.60	0.00	-4.71	0.00	0.00	366.07
Dec-1984	1.55	0.13	3.62	0.30	0.51	0.25	5.96	5.39	5.64	371.20
Jan-1985	1.55	0.13	0.98	0.08	0.51	0.00	-1.71	4.91	0.00	370.68
Feb-1985	2.52	0.21	0	0.00	0.43	0.00	-7.56	2.20	0.00	370.26
Mar-1985	4.03	0.34	0	0.00	0.51	0.00	-12.09	0.79	0.00	369.74
Apr-1985	5.7	0.48	0	0.00	0.60	0.00	-17.10	0.21	0.00	369.14
May-1985	7.75	0.65	0	0.00	0.77	0.00	-23.25	0.04	0.00	368.37
Jun-1985	8.7	0.73	0.04	0.00	0.94	0.00	-25.98	0.01	0.00	367.43
Jul-1985	9.3	0.78	1.1	0.09	1.03	0.00	-24.60	0.00	0.00	366.40
Aug-1985	8.37	0.70	0	0.00	1.03	0.00	-25.11	0.00	0.00	365.38
Sep-1985	6.3	0.53	0.51	0.04	0.86	0.00	-17.37	0.00	0.00	364.52

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Oct-1985	4.34	0.36	0.47	0.04	0.77	0.00	-11.61	0.00	0.00	363.75
Nov-1985	2.4	0.20	3.51	0.29	0.60	0.23	3.10	3.10	0.00	363.15
Dec-1985	1.55	0.13	0.39	0.03	0.51	0.00	-3.48	2.04	0.00	362.64
Jan-1986	1.55	0.13	0.51	0.04	0.51	0.00	-3.12	1.46	0.00	362.12
Feb-1986	2.52	0.21	2.25	0.19	0.43	0.04	-0.85	1.34	0.00	361.70
Mar-1986	4.03	0.34	2.21	0.18	0.51	0.04	-5.50	0.81	0.00	361.18
Apr-1986	5.7	0.48	0.04	0.00	0.60	0.00	-16.98	0.21	0.00	360.58
May-1986	7.75	0.65	0	0.00	0.77	0.00	-23.25	0.04	0.00	359.81
Jun-1986	8.7	0.73	0	0.00	0.94	0.00	-26.10	0.00	0.00	358.87
Jul-1986	9.3	0.78	0	0.00	1.03	0.00	-27.90	0.00	0.00	357.84
Aug-1986	8.37	0.70	0.16	0.01	1.03	0.00	-24.63	0.00	0.00	356.82
Sep-1986	6.3	0.53	0	0.00	0.86	0.00	-18.90	0.00	0.00	355.96
Oct-1986	4.34	0.36	0	0.00	0.77	0.00	-13.02	0.00	0.00	355.19
Nov-1986	2.4	0.20	0.67	0.06	0.60	0.00	-5.19	0.00	0.00	354.59
Dec-1986	1.55	0.13	0.43	0.04	0.51	0.00	-3.36	0.00	0.00	354.08
Jan-1987	1.55	0.13	1.5	0.13	0.51	0.00	-0.15	0.00	0.00	353.56
Feb-1987	2.52	0.21	0.63	0.05	0.43	0.00	-5.67	0.00	0.00	353.14
Mar-1987	4.03	0.34	0	0.00	0.51	0.00	-12.09	0.00	0.00	352.62
Apr-1987	5.7	0.48	0.16	0.01	0.60	0.00	-16.62	0.00	0.00	352.02
May-1987	7.75	0.65	0.12	0.01	0.77	0.00	-22.89	0.00	0.00	351.25
Jun-1987	8.7	0.73	0	0.00	0.94	0.00	-26.10	0.00	0.00	350.31
Jul-1987	9.3	0.78	0	0.00	1.03	0.00	-27.90	0.00	0.00	349.28
Aug-1987	8.37	0.70	0	0.00	1.03	0.00	-25.11	0.00	0.00	348.26
Sep-1987	6.3	0.53	0.39	0.03	0.86	0.00	-17.73	0.00	0.00	347.40
Oct-1987	4.34	0.36	0	0.00	0.77	0.00	-13.02	0.00	0.00	346.63
Nov-1987	2.4	0.20	0.91	0.08	0.60	0.00	-4.47	0.00	0.00	346.03
Dec-1987	1.55	0.13	1.69	0.14	0.51	0.00	0.42	0.42	0.00	345.52
Jan-1988	1.55	0.13	2.6	0.22	0.51	0.08	3.07	3.49	0.00	345.00
Feb-1988	2.52	0.21	2.09	0.17	0.43	0.03	-1.32	2.97	0.00	344.58
Mar-1988	4.03	0.34	0.43	0.04	0.51	0.00	-10.80	0.99	0.00	344.06
Apr-1988	5.7	0.48	1.38	0.12	0.60	0.00	-12.96	0.34	0.00	343.46
May-1988	7.75	0.65	0	0.00	0.77	0.00	-23.25	0.06	0.00	342.69
Jun-1988	8.7	0.73	0	0.00	0.94	0.00	-26.10	0.01	0.00	341.75
Jul-1988	9.3	0.78	0.24	0.02	1.03	0.00	-27.18	0.00	0.00	340.72
Aug-1988	8.37	0.70	0.79	0.07	1.03	0.00	-22.74	0.00	0.00	339.70
Sep-1988	6.3	0.53	0.32	0.03	0.86	0.00	-17.94	0.00	0.00	338.84
Oct-1988	4.34	0.36	0	0.00	0.77	0.00	-13.02	0.00	0.00	338.07
Nov-1988	2.4	0.20	0.47	0.04	0.60	0.00	-5.79	0.00	0.00	337.47
Dec-1988	1.55	0.13	1.18	0.10	0.51	0.00	-1.11	0.00	0.00	336.96
Jan-1989	1.55	0.13	0.59	0.05	0.51	0.00	-2.88	0.00	0.00	336.44
Feb-1989	2.52	0.21	0.04	0.00	0.43	0.00	-7.44	0.00	0.00	336.02
Mar-1989	4.03	0.34	0	0.00	0.51	0.00	-12.09	0.00	0.00	335.50
Apr-1989	5.7	0.48	0	0.00	0.60	0.00	-17.10	0.00	0.00	334.90
May-1989	7.75	0.65	0.12	0.01	0.77	0.00	-22.89	0.00	0.00	334.13
Jun-1989	8.7	0.73	0	0.00	0.94	0.00	-26.10	0.00	0.00	333.19

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Jul-1989	9.3	0.78	0.35	0.03	1.03	0.00	-26.85	0.00	0.00	332.16
Aug-1989	8.37	0.70	0.87	0.07	1.03	0.00	-22.50	0.00	0.00	331.14
Sep-1989	6.3	0.53	0	0.00	0.86	0.00	-18.90	0.00	0.00	330.28
Oct-1989	4.34	0.36	1.62	0.14	0.77	0.00	-8.16	0.00	0.00	329.51
Nov-1989	2.4	0.20	0.08	0.01	0.60	0.00	-6.96	0.00	0.00	328.91
Dec-1989	1.55	0.13	0.12	0.01	0.51	0.00	-4.29	0.00	0.00	328.40
Jan-1990	1.55	0.13	1.82	0.15	0.51	0.01	0.80	0.80	0.00	327.88
Feb-1990	2.52	0.21	0.71	0.06	0.43	0.00	-5.43	0.43	0.00	327.46
Mar-1990	4.03	0.34	0.55	0.05	0.51	0.00	-10.44	0.17	0.00	326.94
Apr-1990	5.7	0.48	0.75	0.06	0.60	0.00	-14.85	0.05	0.00	326.34
May-1990	7.75	0.65	0.32	0.03	0.77	0.00	-22.29	0.01	0.00	325.57
Jun-1990	8.7	0.73	2.76	0.23	0.94	0.10	-17.92	0.00	0.00	324.63
Jul-1990	9.3	0.78	0	0.00	1.03	0.00	-27.90	0.00	0.00	323.60
Aug-1990	8.37	0.70	0	0.00	1.03	0.00	-25.11	0.00	0.00	322.58
Sep-1990	6.3	0.53	0.16	0.01	0.86	0.00	-18.42	0.00	0.00	321.72
Oct-1990	4.34	0.36	0.16	0.01	0.77	0.00	-12.54	0.00	0.00	320.95
Nov-1990	2.4	0.20	0.43	0.04	0.60	0.00	-5.91	0.00	0.00	320.35
Dec-1990	1.55	0.13	0.59	0.05	0.51	0.00	-2.88	0.00	0.00	319.84
Jan-1991	1.55	0.13	1.06	0.09	0.51	0.00	-1.47	0.00	0.00	319.32
Feb-1991	2.52	0.21	3.23	0.27	0.43	0.18	1.95	1.95	0.00	318.90
Mar-1991	4.03	0.34	5.91	0.49	0.51	1.15	4.49	5.50	9.32	327.71
Apr-1991	5.7	0.48	0	0.00	0.60	0.00	-17.10	6.41	0.00	327.11
May-1991	7.75	0.65	0.04	0.00	0.77	0.00	-23.13	0.89	0.00	326.34
Jun-1991	8.7	0.73	0	0.00	0.94	0.00	-26.10	0.13	0.00	325.39
Jul-1991	9.3	0.78	0.2	0.02	1.03	0.00	-27.30	0.02	0.00	324.37
Aug-1991	8.37	0.70	0.32	0.03	1.03	0.00	-24.15	0.00	0.00	323.34
Sep-1991	6.3	0.53	0.43	0.04	0.86	0.00	-17.61	0.00	0.00	322.48
Oct-1991	4.34	0.36	0.43	0.04	0.77	0.00	-11.73	0.00	0.00	321.71
Nov-1991	2.4	0.20	0.16	0.01	0.60	0.00	-6.72	0.00	0.00	321.11
Dec-1991	1.55	0.13	2.36	0.20	0.51	0.05	2.38	2.38	0.00	320.60
Jan-1992	1.55	0.13	1.85	0.15	0.51	0.01	0.89	3.27	0.00	320.09
Feb-1992	2.52	0.21	3.31	0.28	0.43	0.19	2.18	5.05	3.96	323.62
Mar-1992	4.03	0.34	4.73	0.39	0.51	0.60	1.50	5.89	6.52	329.63
Apr-1992	5.7	0.48	0.47	0.04	0.60	0.00	-15.69	6.54	0.00	329.03
May-1992	7.75	0.65	0.63	0.05	0.77	0.00	-21.36	1.04	0.00	328.26
Jun-1992	8.7	0.73	0	0.00	0.94	0.00	-26.10	0.15	0.00	327.32
Jul-1992	9.3	0.78	0.75	0.06	1.03	0.00	-25.65	0.02	0.00	326.29
Aug-1992	8.37	0.70	1.69	0.14	1.03	0.00	-20.04	0.00	0.00	325.26
Sep-1992	6.3	0.53	0	0.00	0.86	0.00	-18.90	0.00	0.00	324.41
Oct-1992	4.34	0.36	0.28	0.02	0.86	0.00	-12.18	0.00	0.00	323.55
Nov-1992	2.4	0.20	0.08	0.01	0.60	0.00	-6.96	0.00	0.00	322.95
Dec-1992	1.55	0.13	2.76	0.23	0.51	0.10	3.53	3.53	0.00	322.44
Jan-1993	1.55	0.13	9.89	0.82	0.51	4.00	21.02	10.25	168.22	386.92
Feb-1993	2.52	0.21	5.24	0.44	0.43	0.81	7.35	10.25	90.90	386.92
Mar-1993	4.03	0.34	0.79	0.07	0.51	0.00	-9.72	10.25	0.00	386.41

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Apr-1993	5.7	0.48	0	0.00	0.60	0.00	-17.10	2.41	0.00	385.81
May-1993	7.75	0.65	0.2	0.02	0.77	0.00	-22.65	0.43	0.00	385.04
Jun-1993	8.7	0.73	0.2	0.02	0.94	0.00	-25.50	0.06	0.00	384.10
Jul-1993	9.3	0.78	0	0.00	1.03	0.00	-27.90	0.01	0.00	383.07
Aug-1993	8.37	0.70	0	0.00	1.03	0.00	-25.11	0.00	0.00	382.04
Sep-1993	6.3	0.53	0	0.00	0.86	0.00	-18.90	0.00	0.00	381.18
Oct-1993	4.34	0.36	0.08	0.01	0.77	0.00	-12.78	0.00	0.00	380.41
Nov-1993	2.4	0.20	1.3	0.11	0.60	0.00	-3.30	0.00	0.00	379.82
Dec-1993	1.55	0.13	0.63	0.05	0.51	0.00	-2.76	0.00	0.00	379.30
Jan-1994	1.55	0.13	1.02	0.09	0.51	0.00	-1.59	0.00	0.00	378.79
Feb-1994	2.52	0.21	3.7	0.31	0.43	0.27	3.27	3.27	0.00	378.36
Mar-1994	4.03	0.34	2.32	0.19	0.51	0.05	-5.18	1.79	0.00	377.85
Apr-1994	5.7	0.48	0.75	0.06	0.60	0.00	-14.85	0.47	0.00	377.25
May-1994	7.75	0.65	0.08	0.01	0.77	0.00	-23.01	0.08	0.00	376.48
Jun-1994	8.7	0.73	0	0.00	0.94	0.00	-26.10	0.01	0.00	375.54
Jul-1994	9.3	0.78	0	0.00	1.03	0.00	-27.90	0.00	0.00	374.51
Aug-1994	8.37	0.70	1.69	0.14	1.03	0.00	-20.04	0.00	0.00	373.48
Sep-1994	6.3	0.53	0.39	0.03	0.86	0.00	-17.73	0.00	0.00	372.62
Oct-1994	4.34	0.36	0.04	0.00	0.77	0.00	-12.90	0.00	0.00	371.85
Nov-1994	2.4	0.20	0.47	0.04	0.60	0.00	-5.79	0.00	0.00	371.26
Dec-1994	1.55	0.13	1.65	0.14	0.51	0.00	0.30	0.30	0.00	370.74
Jan-1995	1.55	0.13	6.5	0.54	0.51	1.48	13.37	10.01	36.84	386.92
Feb-1995	2.52	0.21	3.15	0.26	0.43	0.16	1.73	10.25	17.40	386.92
Mar-1995	4.03	0.34	3.66	0.31	0.51	0.26	-1.37	10.25	0.00	386.41
Apr-1995	5.7	0.48	0.55	0.05	0.60	0.00	-15.45	2.75	0.00	385.81
May-1995	7.75	0.65	0.79	0.07	0.77	0.00	-20.88	0.55	0.00	385.04
Jun-1995	8.7	0.73	0.2	0.02	0.94	0.00	-25.50	0.08	0.00	384.10
Jul-1995	9.3	0.78	0.04	0.00	1.03	0.00	-27.78	0.01	0.00	383.07
Aug-1995	8.37	0.70	0.55	0.05	1.03	0.00	-23.46	0.00	0.00	382.04
Sep-1995	6.3	0.53	0.47	0.04	0.86	0.00	-17.49	0.00	0.00	381.18
Oct-1995	4.34	0.36	0	0.00	0.77	0.00	-13.02	0.00	0.00	380.41
Nov-1995	2.4	0.20	0	0.00	0.60	0.00	-7.20	0.00	0.00	379.82
Dec-1995	1.55	0.13	0.28	0.02	0.51	0.00	-3.81	0.00	0.00	379.30
Jan-1996	1.55	0.13	1.18	0.10	0.51	0.00	-1.11	0.00	0.00	378.79
Feb-1996	2.52	0.21	5.16	0.43	0.43	0.78	7.14	6.08	10.56	386.92
Mar-1996	4.03	0.34	1.58	0.13	0.51	0.00	-7.35	4.12	0.00	386.41
Apr-1996	5.7	0.48	0.08	0.01	0.60	0.00	-16.86	0.76	0.00	385.81
May-1996	7.75	0.65	0.16	0.01	0.77	0.00	-22.77	0.13	0.00	385.04
Jun-1996	8.7	0.73	0	0.00	0.94	0.00	-26.10	0.02	0.00	384.10
Jul-1996	9.3	0.78	0.04	0.00	1.03	0.00	-27.78	0.00	0.00	383.07
Aug-1996	8.37	0.70	0	0.00	1.03	0.00	-25.11	0.00	0.00	382.04
Sep-1996	6.3	0.53	0.16	0.01	0.86	0.00	-18.42	0.00	0.00	381.18
Oct-1996	4.34	0.36	0.87	0.07	0.77	0.00	-10.41	0.00	0.00	380.41
Nov-1996	2.4	0.20	0.87	0.07	0.60	0.00	-4.59	0.00	0.00	379.82
Dec-1996	1.55	0.13	1.42	0.12	0.51	0.00	-0.39	0.00	0.00	379.30

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Jan-1997	1.55	0.13	3.58	0.30	0.51	0.24	5.85	5.32	5.25	384.04
Feb-1997	2.52	0.21	1.02	0.09	0.43	0.00	-4.50	4.21	0.00	383.61
Mar-1997	4.03	0.34	0.04	0.00	0.51	0.00	-11.97	1.20	0.00	383.09
Apr-1997	5.7	0.48	0.43	0.04	0.60	0.00	-15.81	0.33	0.00	382.50
May-1997	7.75	0.65	0	0.00	0.77	0.00	-23.25	0.06	0.00	381.73
Jun-1997	8.7	0.73	0.55	0.05	0.94	0.00	-24.45	0.01	0.00	380.78
Jul-1997	9.3	0.78	0.08	0.01	1.03	0.00	-27.66	0.00	0.00	379.76
Aug-1997	8.37	0.70	0	0.00	1.03	0.00	-25.11	0.00	0.00	378.73
Sep-1997	6.3	0.53	1.97	0.16	0.86	0.02	-13.01	0.00	0.00	377.87
Oct-1997	4.34	0.36	0.08	0.01	0.77	0.00	-12.78	0.00	0.00	377.10
Nov-1997	2.4	0.20	1.38	0.12	0.60	0.00	-3.06	0.00	0.00	376.50
Dec-1997	1.55	0.13	2.68	0.22	0.51	0.09	3.30	3.30	0.00	375.99
Jan-1998	1.55	0.13	1.42	0.12	0.51	0.00	-0.39	3.14	0.00	375.48
Feb-1998	2.52	0.21	7.76	0.65	0.43	2.31	13.41	10.25	68.50	386.92
Mar-1998	4.03	0.34	3.66	0.31	0.51	0.26	-1.37	10.25	0.00	386.41
Apr-1998	5.7	0.48	1.69	0.14	0.60	0.00	-12.03	3.60	0.00	385.81
May-1998	7.75	0.65	1.3	0.11	0.77	0.00	-19.35	0.80	0.00	385.04
Jun-1998	8.7	0.73	0.04	0.00	0.94	0.00	-25.98	0.11	0.00	384.10
Jul-1998	9.3	0.78	0.08	0.01	1.03	0.00	-27.66	0.01	0.00	383.07
Aug-1998	8.37	0.70	1.65	0.14	1.03	0.00	-20.16	0.00	0.00	382.04
Sep-1998	6.3	0.53	0.32	0.03	0.86	0.00	-17.94	0.00	0.00	381.18
Oct-1998	4.34	0.36	0.04	0.00	0.77	0.00	-12.90	0.00	0.00	380.41
Nov-1998	2.4	0.20	1.38	0.12	0.60	0.00	-3.06	0.00	0.00	379.82
Dec-1998	1.55	0.13	1.42	0.12	0.51	0.00	-0.39	0.00	0.00	379.30
Jan-1999	1.55	0.13	1.58	0.13	0.51	0.00	0.09	0.09	0.00	378.79
Feb-1999	2.52	0.21	0.87	0.07	0.43	0.00	-4.95	0.05	0.00	378.36
Mar-1999	4.03	0.34	0.71	0.06	0.51	0.00	-9.96	0.02	0.00	377.85
Apr-1999	5.7	0.48	1.73	0.14	0.60	0.01	-11.92	0.01	0.00	377.25
May-1999	7.75	0.65	0.2	0.02	0.77	0.00	-22.65	0.00	0.00	376.48
Jun-1999	8.7	0.73	0.32	0.03	0.94	0.00	-25.14	0.00	0.00	375.54
Jul-1999	9.3	0.78	0.87	0.07	1.03	0.00	-25.29	0.00	0.00	374.51
Aug-1999	8.37	0.70	0	0.00	1.03	0.00	-25.11	0.00	0.00	373.48
Sep-1999	6.3	0.53	0.08	0.01	0.86	0.00	-18.66	0.00	0.00	372.62
Oct-1999	4.34	0.36	0.2	0.02	0.77	0.00	-12.42	0.00	0.00	371.85
Nov-1999	2.4	0.20	0.04	0.00	0.60	0.00	-7.08	0.00	0.00	371.26
Dec-1999	1.55	0.13	0.2	0.02	0.51	0.00	-4.05	0.00	0.00	370.74
Jan-2000	1.55	0.13	0.71	0.06	0.51	0.00	-2.52	0.00	0.00	370.23
Feb-2000	2.52	0.21	3.58	0.30	0.43	0.24	2.94	2.94	0.00	369.80
Mar-2000	4.03	0.34	1.14	0.10	0.51	0.00	-8.67	1.13	0.00	369.29
Apr-2000	5.7	0.48	0.55	0.05	0.60	0.00	-15.45	0.31	0.00	368.69
May-2000	7.75	0.65	0.04	0.00	0.77	0.00	-23.13	0.05	0.00	367.92
Jun-2000	8.7	0.73	0.28	0.02	0.94	0.00	-25.26	0.01	0.00	366.98
Jul-2000	9.3	0.78	0	0.00	1.03	0.00	-27.90	0.00	0.00	365.95
Aug-2000	8.37	0.70	0.79	0.07	1.03	0.00	-22.74	0.00	0.00	364.92
Sep-2000	6.3	0.53	0.16	0.01	0.86	0.00	-18.42	0.00	0.00	364.06

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Oct-2000	4.34	0.36	0.67	0.06	0.77	0.00	-11.01	0.00	0.00	363.29
Nov-2000	2.4	0.20	0.28	0.02	0.60	0.00	-6.36	0.00	0.00	362.70
Dec-2000	1.55	0.13	0.08	0.01	0.51	0.00	-4.41	0.00	0.00	362.18
Jan-2001	1.55	0.13	1.69	0.14	0.51	0.00	0.42	0.42	0.00	361.67
Feb-2001	2.52	0.21	2.56	0.21	0.43	0.07	0.05	0.50	0.00	361.24
Mar-2001	4.03	0.34	0.87	0.07	0.51	0.00	-9.48	0.18	0.00	360.73
Apr-2001	5.7	0.48	1.02	0.09	0.60	0.00	-14.04	0.05	0.00	360.13
May-2001	7.75	0.65	0	0.00	0.77	0.00	-23.25	0.01	0.00	359.36
Jun-2001	8.7	0.73	0	0.00	0.94	0.00	-26.10	0.00	0.00	358.42
Jul-2001	9.3	0.78	0.04	0.00	1.03	0.00	-27.78	0.00	0.00	357.39
Aug-2001	8.37	0.70	0	0.00	1.03	0.00	-25.11	0.00	0.00	356.36
Sep-2001	6.3	0.53	2.44	0.20	0.86	0.06	-11.64	0.00	0.00	355.50
Oct-2001	4.34	0.36	0	0.00	0.77	0.00	-13.02	0.00	0.00	354.73
Nov-2001	2.4	0.20	0.59	0.05	0.60	0.00	-5.43	0.00	0.00	354.14
Dec-2001	1.55	0.13	1.1	0.09	0.51	0.00	-1.35	0.00	0.00	353.62
Jan-2002	1.55	0.13	0.32	0.03	0.51	0.00	-3.69	0.00	0.00	353.11
Feb-2002	2.52	0.21	0.16	0.01	0.43	0.00	-7.08	0.00	0.00	352.68
Mar-2002	4.03	0.34	0.67	0.06	0.51	0.00	-10.08	0.00	0.00	352.17
Apr-2002	5.7	0.48	0.43	0.04	0.60	0.00	-15.81	0.00	0.00	351.57
May-2002	7.75	0.65	0	0.00	0.77	0.00	-23.25	0.00	0.00	350.80
Jun-2002	8.7	0.73	0	0.00	0.94	0.00	-26.10	0.00	0.00	349.86
Jul-2002	9.3	0.78	0	0.00	1.03	0.00	-27.90	0.00	0.00	348.83
Aug-2002	8.37	0.70	0	0.00	1.03	0.00	-25.11	0.00	0.00	347.80
Sep-2002	6.3	0.53	0.95	0.08	0.86	0.00	-16.05	0.00	0.00	346.94
Oct-2002	4.34	0.36	0.16	0.01	0.77	0.00	-12.54	0.00	0.00	346.17
Nov-2002	2.4	0.20	1.46	0.12	0.60	0.00	-2.82	0.00	0.00	345.58
Dec-2002	1.55	0.13	1.38	0.12	0.51	0.00	-0.51	0.00	0.00	345.06
Jan-2003	1.55	0.13	0.16	0.01	0.51	0.00	-4.17	0.00	0.00	344.55
Feb-2003	2.52	0.21	3.62	0.30	0.43	0.25	3.05	3.05	0.00	344.12
Mar-2003	4.03	0.34	1.42	0.12	0.51	0.00	-7.83	1.27	0.00	343.61
Apr-2003	5.7	0.48	1.5	0.13	0.60	0.00	-12.60	0.42	0.00	343.01
May-2003	7.75	0.65	0.83	0.07	0.77	0.00	-20.76	0.09	0.00	342.24
Jun-2003	8.7	0.73	0	0.00	0.94	0.00	-26.10	0.01	0.00	341.30
Jul-2003	9.3	0.78	0.2	0.02	1.03	0.00	-27.30	0.00	0.00	340.27
Aug-2003	8.37	0.70	1.93	0.16	1.03	0.02	-19.34	0.00	0.00	339.24
Sep-2003	6.3	0.53	0.04	0.00	0.86	0.00	-18.78	0.00	0.00	338.38
Oct-2003	4.34	0.36	0	0.00	0.77	0.00	-13.02	0.00	0.00	337.61
Nov-2003	2.4	0.20	0.55	0.05	0.60	0.00	-5.55	0.00	0.00	337.02
Dec-2003	1.55	0.13	1.5	0.13	0.51	0.00	-0.15	0.00	0.00	336.50
Jan-2004	1.55	0.13	0.59	0.05	0.51	0.00	-2.88	0.00	0.00	335.99
Feb-2004	2.52	0.21	3.66	0.31	0.43	0.26	3.16	3.16	0.00	335.56
Mar-2004	4.03	0.34	1.54	0.13	0.51	0.00	-7.47	1.36	0.00	335.05
Apr-2004	5.7	0.48	0.66	0.06	0.60	0.00	-15.12	0.37	0.00	334.45
May-2004	7.75	0.65	0	0.00	0.77	0.00	-23.25	0.06	0.00	333.68
Jun-2004	8.7	0.73	0	0.00	0.94	0.00	-26.10	0.01	0.00	332.74

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Jul-2004	9.3	0.78	0.24	0.02	1.03	0.00	-27.18	0.00	0.00	331.71
Aug-2004	8.37	0.70	0.51	0.04	1.03	0.00	-23.58	0.00	0.00	330.68
Sep-2004	6.3	0.53	0.04	0.00	0.86	0.00	-18.78	0.00	0.00	329.82
Oct-2004	4.34	0.36	6.58	0.55	0.77	1.53	5.19	4.68	5.01	334.06
Nov-2004	2.4	0.20	0.67	0.06	0.60	0.00	-5.19	3.65	0.00	333.46
Dec-2004	1.55	0.13	4.14	0.35	0.51	0.39	7.38	8.45	25.54	358.49
Jan-2005	1.55	0.13	3.55	0.30	0.51	0.24	5.76	10.25	45.38	386.92
Feb-2005	2.52	0.21	4.18	0.35	0.43	0.40	4.58	10.25	56.63	386.92
Mar-2005	4.03	0.34	1.02	0.09	0.51	0.00	-9.03	10.25	0.00	386.41
Apr-2005	5.7	0.48	0.39	0.03	0.60	0.00	-15.93	2.64	0.00	385.81
May-2005	7.75	0.65	0.04	0.00	0.77	0.00	-23.13	0.45	0.00	385.04
Jun-2005	8.7	0.73	0	0.00	0.94	0.00	-26.10	0.06	0.00	384.10
Jul-2005	9.3	0.78	0.55	0.05	1.03	0.00	-26.25	0.01	0.00	383.07
Aug-2005	8.37	0.70	3.19	0.27	1.03	0.17	-15.71	0.00	0.00	382.04
Sep-2005	6.3	0.53	0.08	0.01	0.86	0.00	-18.66	0.00	0.00	381.18
Oct-2005	4.34	0.36	0.59	0.05	0.77	0.00	-11.25	0.00	0.00	380.41
Nov-2005	2.4	0.20	0.04	0.00	0.60	0.00	-7.08	0.00	0.00	379.82
Dec-2005	1.55	0.13	0.12	0.01	0.51	0.00	-4.29	0.00	0.00	379.30
Jan-2006	1.55	0.13	0.51	0.04	0.51	0.00	-3.12	0.00	0.00	378.79
Feb-2006	2.52	0.21	1.06	0.09	0.43	0.00	-4.38	0.00	0.00	378.36
Mar-2006	4.03	0.34	2.64	0.22	0.51	0.08	-4.25	0.00	0.00	377.85
Apr-2006	5.7	0.48	1.73	0.14	0.60	0.01	-11.92	0.00	0.00	377.25
May-2006	7.75	0.65	0.08	0.01	0.77	0.00	-23.01	0.00	0.00	376.48
Jun-2006	8.7	0.73	0.16	0.01	0.94	0.00	-25.62	0.00	0.00	375.54
Jul-2006	9.3	0.78	0.35	0.03	1.03	0.00	-26.85	0.00	0.00	374.51
Aug-2006	8.37	0.70	0.08	0.01	1.03	0.00	-24.87	0.00	0.00	373.48
Sep-2006	6.3	0.53	0.04	0.00	0.86	0.00	-18.78	0.00	0.00	372.62
Oct-2006	4.34	0.36	0.24	0.02	0.77	0.00	-12.30	0.00	0.00	371.85
Nov-2006	2.4	0.20	0.08	0.01	0.60	0.00	-6.96	0.00	0.00	371.26
Dec-2006	1.55	0.13	0.79	0.07	0.51	0.00	-2.28	0.00	0.00	370.74
Jan-2007	1.55	0.13	0.35	0.03	0.51	0.00	-3.60	0.00	0.00	370.23
Feb-2007	2.52	0.21	1.3	0.11	0.43	0.00	-3.66	0.00	0.00	369.80
Mar-2007	4.03	0.34	0.39	0.03	0.51	0.00	-10.92	0.00	0.00	369.29
Apr-2007	5.7	0.48	0.32	0.03	0.60	0.00	-16.14	0.00	0.00	368.69
May-2007	7.75	0.65	0	0.00	0.77	0.00	-23.25	0.00	0.00	367.92
Jun-2007	8.7	0.73	0	0.00	0.94	0.00	-26.10	0.00	0.00	366.98
Jul-2007	9.3	0.78	0	0.00	1.03	0.00	-27.90	0.00	0.00	365.95
Aug-2007	8.37	0.70	0	0.00	1.03	0.00	-25.11	0.00	0.00	364.92
Sep-2007	6.3	0.53	0.16	0.01	0.86	0.00	-18.42	0.00	0.00	364.06
Oct-2007	4.34	0.36	0.16	0.01	0.77	0.00	-12.54	0.00	0.00	363.29
Nov-2007	2.4	0.20	1.65	0.14	0.60	0.00	-2.25	0.00	0.00	362.70
Dec-2007	1.55	0.13	0.79	0.07	0.51	0.00	-2.28	0.00	0.00	362.18
Jan-2008	1.55	0.13	4.32	0.36	0.51	0.45	7.86	6.61	12.39	374.06
Feb-2008	2.52	0.21	2.09	0.17	0.43	0.03	-1.32	6.12	0.00	373.63
Mar-2008	4.03	0.34	0.32	0.03	0.51	0.00	-11.13	2.11	0.00	373.12

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Apr-2008	5.7	0.48	0	0.00	0.60	0.00	-17.10	0.54	0.00	372.52
May-2008	7.75	0.65	0.2	0.02	0.77	0.00	-22.65	0.10	0.00	371.75
Jun-2008	8.7	0.73	0	0.00	0.94	0.00	-26.10	0.01	0.00	370.81
Jul-2008	9.3	0.78	0	0.00	1.03	0.00	-27.90	0.00	0.00	369.78
Aug-2008	8.37	0.70	0.24	0.02	1.03	0.00	-24.39	0.00	0.00	368.75
Sep-2008	6.3	0.53	0.63	0.05	0.86	0.00	-17.01	0.00	0.00	367.90
Oct-2008	4.34	0.36	0.04	0.00	0.77	0.00	-12.90	0.00	0.00	367.13
Nov-2008	2.4	0.20	1.38	0.12	0.60	0.00	-3.06	0.00	0.00	366.53
Dec-2008	1.55	0.13	5.39	0.45	0.51	0.88	10.64	8.39	22.25	386.92
Jan-2009	1.55	0.13	0.08	0.01	0.51	0.00	-4.41	6.43	0.00	386.41
Feb-2009	2.52	0.21	2.56	0.21	0.43	0.07	0.05	6.45	0.40	386.37
Mar-2009	4.03	0.34	0	0.00	0.51	0.00	-12.09	3.48	0.00	385.86
Apr-2009	5.7	0.48	0.16	0.01	0.60	0.00	-16.62	0.60	0.00	385.26
May-2009	7.75	0.65	0	0.00	0.77	0.00	-23.25	0.10	0.00	384.49
Jun-2009	8.7	0.73	0	0.00	0.94	0.00	-26.10	0.01	0.00	383.55
Jul-2009	9.3	0.78	0.32	0.03	1.03	0.00	-26.94	0.00	0.00	382.52
Aug-2009	8.37	0.70	0	0.00	1.03	0.00	-25.11	0.00	0.00	381.50
Sep-2009	6.3	0.53	0	0.00	0.86	0.00	-18.90	0.00	0.00	380.64
Oct-2009	4.34	0.36	0.04	0.00	0.77	0.00	-12.90	0.00	0.00	379.87
Nov-2009	2.4	0.20	0.43	0.04	0.60	0.00	-5.91	0.00	0.00	379.27
Dec-2009	1.55	0.13	3.31	0.28	0.51	0.19	5.09	4.83	2.58	381.33
Jan-2010	1.55	0.13	5.75	0.48	0.51	1.06	11.54	10.25	67.70	386.92
Feb-2010	2.52	0.21	2.76	0.23	0.43	0.10	0.62	10.25	7.48	386.92
Mar-2010	4.03	0.34	1.18	0.10	0.51	0.00	-8.55	10.25	0.00	386.41
Apr-2010	5.7	0.48	1.46	0.12	0.60	0.00	-12.72	3.41	0.00	385.81
May-2010	7.75	0.65	0	0.00	0.77	0.00	-23.25	0.57	0.00	385.04
Jun-2010	8.7	0.73	0	0.00	0.94	0.00	-26.10	0.08	0.00	384.10
Jul-2010	9.3	0.78	0.04	0.00	1.03	0.00	-27.78	0.01	0.00	383.07
Aug-2010	8.37	0.70	0	0.00	1.03	0.00	-25.11	0.00	0.00	382.04
Sep-2010	6.3	0.53	0	0.00	0.86	0.00	-18.90	0.00	0.00	381.18
Oct-2010	4.34	0.36	4.1	0.34	0.77	0.38	-1.10	0.00	0.00	380.41
Nov-2010	2.4	0.20	0.83	0.07	0.60	0.00	-4.71	0.00	0.00	379.82
Dec-2010	1.55	0.13	4.1	0.34	0.51	0.38	7.27	6.23	10.30	386.92
Jan-2011	1.55	0.13	0.47	0.04	0.51	0.00	-3.24	5.20	0.00	386.41
Feb-2011	2.52	0.21	4.52	0.38	0.43	0.52	5.48	8.71	19.53	386.92
Mar-2011	4.03	0.34	1.65	0.14	0.51	0.00	-7.14	5.69	0.00	386.41
Apr-2011	5.7	0.48	0.24	0.02	0.60	0.00	-16.38	1.25	0.00	385.81
May-2011	7.75	0.65	0.71	0.06	0.77	0.00	-21.12	0.24	0.00	385.04
Jun-2011	8.7	0.73	0.16	0.01	0.94	0.00	-25.62	0.03	0.00	384.10
Jul-2011	9.3	0.78	0.55	0.05	1.03	0.00	-26.25	0.00	0.00	383.07
Aug-2011	8.37	0.70	0.34	0.03	1.03	0.00	-24.09	0.00	0.00	382.04
Sep-2011	6.3	0.53	0	0.00	0.86	0.00	-18.90	0.00	0.00	381.18
Oct-2011	4.34	0.36	0.5	0.04	0.77	0.00	-11.52	0.00	0.00	380.41
Nov-2011	2.4	0.20	2.71	0.23	0.60	0.09	0.84	0.84	0.00	379.82
Dec-2011	1.55	0.13	1.95	0.16	0.51	0.02	1.18	2.02	0.00	379.30

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Jan-2012	1.55	0.13	0.77	0.06	0.51	0.00	-2.34	1.52	0.00	378.79
Feb-2012	2.52	0.21	1.26	0.11	0.43	0.00	-3.78	1.00	0.00	378.36
Mar-2012	4.03	0.34	1.87	0.16	0.51	0.01	-6.49	0.55	0.00	377.85
Apr-2012	5.7	0.48	1.77	0.15	0.60	0.01	-11.80	0.21	0.00	377.25
May-2012	7.75	0.65	0	0.00	0.77	0.00	-23.25	0.04	0.00	376.48
Jun-2012	8.7	0.73	0	0.00	0.94	0.00	-26.10	0.00	0.00	375.54

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Time	INPUT					OUTPUT				
	Monthly Avg. Reference ET (inches)	Monthly Avg. Reference ET (feet)	Mean Precip (inches)	Mean Precip (feet)	Water Demand (AF)	Runoff (in)	P- (PET+RO) (in)	Soil Moisture (in)	Recharge (AF)	Storage (AF)
Jul-1982	9.3	0.78	0.3276	0.03	3.13	0.00	-26.92	10.25	0.00	383.79
Aug-1982	8.37	0.70	0.5577	0.05	3.13	0.00	-23.44	1.48	0.00	380.67
Sep-1982	6.3	0.53	0.3705	0.03	2.56	0.00	-17.79	0.38	0.00	378.11
Oct-1982	4.34	0.36	0.1287	0.01	2.47	0.00	-12.63	0.15	0.00	375.64
Nov-1982	2.4	0.20	4.3797	0.36	2.30	0.47	5.47	5.16	4.53	377.87
Dec-1982	1.55	0.13	3.4125	0.28	2.11	0.21	5.38	8.68	18.45	386.92
Jan-1983	1.55	0.13	2.2113	0.18	0.51	0.04	1.95	9.90	7.32	386.92
Feb-1983	2.52	0.21	4.7736	0.40	0.43	0.61	6.15	10.25	70.37	386.92
Mar-1983	4.03	0.34	9.828	0.82	1.01	3.94	13.45	10.25	165.16	386.92
Apr-1983	5.7	0.48	2.2074	0.18	2.40	0.04	-10.51	10.25	0.00	384.52
May-1983	7.75	0.65	0.1911	0.02	1.87	0.00	-22.68	1.57	0.00	382.65
Jun-1983	8.7	0.73	0	0.00	2.34	0.00	-26.10	0.21	0.00	380.31
Jul-1983	9.3	0.78	0.0117	0.00	2.43	0.00	-27.86	0.03	0.00	377.88
Aug-1983	8.37	0.70	4.017	0.33	1.03	0.35	-13.41	0.01	0.00	376.85
Sep-1983	6.3	0.53	0.6708	0.06	0.86	0.00	-16.89	0.00	0.00	376.00
Oct-1983	4.34	0.36	1.1505	0.10	0.77	0.00	-9.57	0.00	0.00	375.23
Nov-1983	2.4	0.20	2.4258	0.20	0.60	0.06	0.02	0.05	0.00	374.63
Dec-1983	1.55	0.13	0.9867	0.08	0.51	0.00	-1.69	0.04	0.00	374.12
Jan-1984	1.55	0.13	0.117	0.01	0.51	0.00	-4.30	0.02	0.00	373.60
Feb-1984	2.52	0.21	0	0.00	0.43	0.00	-7.56	0.01	0.00	373.17
Mar-1984	4.03	0.34	0.039	0.00	0.51	0.00	-11.97	0.00	0.00	372.66
Apr-1984	5.7	0.48	0.2379	0.02	0.60	0.00	-16.39	0.00	0.00	372.06
May-1984	7.75	0.65	0	0.00	0.77	0.00	-23.25	0.00	0.00	371.29
Jun-1984	8.7	0.73	0.546	0.05	0.94	0.00	-24.46	0.00	0.00	370.35
Jul-1984	9.3	0.78	1.4937	0.12	1.03	0.00	-23.42	0.00	0.00	369.32
Aug-1984	8.37	0.70	2.2737	0.19	1.03	0.04	-18.33	0.00	0.00	368.29
Sep-1984	6.3	0.53	0.663	0.06	0.86	0.00	-16.91	0.00	0.00	367.44
Oct-1984	4.34	0.36	0.1794	0.01	0.77	0.00	-12.48	0.00	0.00	366.67
Nov-1984	2.4	0.20	1.4157	0.12	0.60	0.00	-2.95	0.00	0.00	366.07
Dec-1984	1.55	0.13	4.2159	0.35	0.51	0.41	7.59	6.43	11.40	376.96
Jan-1985	1.55	0.13	1.5756	0.13	0.51	0.00	0.08	6.48	0.25	376.70
Feb-1985	2.52	0.21	1.4508	0.12	0.43	0.00	-3.21	5.40	0.00	376.27
Mar-1985	4.03	0.34	0.2652	0.02	0.51	0.00	-11.29	1.78	0.00	375.76
Apr-1985	5.7	0.48	0.039	0.00	0.60	0.00	-16.98	0.46	0.00	375.16
May-1985	7.75	0.65	0.0897	0.01	0.77	0.00	-22.98	0.08	0.00	374.39
Jun-1985	8.7	0.73	1.7199	0.14	0.94	0.00	-20.95	0.02	0.00	373.45
Jul-1985	9.3	0.78	0	0.00	1.03	0.00	-27.90	0.00	0.00	372.42
Aug-1985	8.37	0.70	0.3315	0.03	1.03	0.00	-24.12	0.00	0.00	371.39
Sep-1985	6.3	0.53	0.6825	0.06	0.86	0.00	-16.85	0.00	0.00	370.54

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Oct-1985	4.34	0.36	4.4928	0.37	0.77	0.51	-0.05	0.25	0.00	369.77
Nov-1985	2.4	0.20	1.7472	0.15	0.60	0.01	-1.96	0.19	0.00	369.17
Dec-1985	1.55	0.13	0	0.00	0.51	0.00	-4.65	0.11	0.00	368.65
Jan-1986	1.55	0.13	0.7449	0.06	0.51	0.00	-2.42	0.08	0.00	368.14
Feb-1986	2.52	0.21	3.4983	0.29	0.43	0.23	2.71	2.79	0.00	367.71
Mar-1986	4.03	0.34	3.4359	0.29	0.51	0.21	-2.00	2.21	0.00	367.20
Apr-1986	5.7	0.48	0.2769	0.02	0.60	0.00	-16.27	0.47	0.00	366.60
May-1986	7.75	0.65	0.0117	0.00	0.77	0.00	-23.21	0.08	0.00	365.83
Jun-1986	8.7	0.73	0	0.00	0.94	0.00	-26.10	0.01	0.00	364.89
Jul-1986	9.3	0.78	0.3471	0.03	1.03	0.00	-26.86	0.00	0.00	363.86
Aug-1986	8.37	0.70	0.0585	0.00	1.03	0.00	-24.93	0.00	0.00	362.83
Sep-1986	6.3	0.53	1.3065	0.11	0.86	0.00	-14.98	0.00	0.00	361.98
Oct-1986	4.34	0.36	2.0982	0.17	0.77	0.03	-6.75	0.00	0.00	361.21
Nov-1986	2.4	0.20	0.5655	0.05	0.60	0.00	-5.50	0.00	0.00	360.61
Dec-1986	1.55	0.13	0.7137	0.06	0.51	0.00	-2.51	0.00	0.00	360.09
Jan-1987	1.55	0.13	1.6419	0.14	0.51	0.00	0.27	0.27	0.00	359.58
Feb-1987	2.52	0.21	2.5311	0.21	0.43	0.07	-0.04	0.29	0.00	359.15
Mar-1987	4.03	0.34	2.5545	0.21	0.51	0.07	-4.50	0.17	0.00	358.64
Apr-1987	5.7	0.48	0.195	0.02	0.60	0.00	-16.52	0.04	0.00	358.04
May-1987	7.75	0.65	0.0819	0.01	0.77	0.00	-23.00	0.01	0.00	357.27
Jun-1987	8.7	0.73	0.0117	0.00	0.94	0.00	-26.06	0.00	0.00	356.33
Jul-1987	9.3	0.78	0	0.00	1.03	0.00	-27.90	0.00	0.00	355.30
Aug-1987	8.37	0.70	0.6435	0.05	1.03	0.00	-23.18	0.00	0.00	354.27
Sep-1987	6.3	0.53	0.4758	0.04	0.86	0.00	-17.47	0.00	0.00	353.42
Oct-1987	4.34	0.36	3.1005	0.26	0.77	0.15	-3.87	0.00	0.00	352.65
Nov-1987	2.4	0.20	2.457	0.20	0.60	0.06	0.11	0.11	0.00	352.05
Dec-1987	1.55	0.13	1.8057	0.15	0.51	0.01	0.76	0.87	0.00	351.53
Jan-1988	1.55	0.13	3.4593	0.29	0.51	0.22	5.51	5.66	7.15	358.17
Feb-1988	2.52	0.21	1.9266	0.16	0.43	0.01	-1.80	7.68	0.00	357.75
Mar-1988	4.03	0.34	0.7137	0.06	0.51	0.00	-9.95	3.09	0.00	357.23
Apr-1988	5.7	0.48	2.4609	0.21	0.60	0.06	-9.78	1.42	0.00	356.63
May-1988	7.75	0.65	0.3549	0.03	0.77	0.00	-22.19	0.26	0.00	355.86
Jun-1988	8.7	0.73	0	0.00	0.94	0.00	-26.10	0.04	0.00	354.92
Jul-1988	9.3	0.78	0.0234	0.00	1.03	0.00	-27.83	0.00	0.00	353.89
Aug-1988	8.37	0.70	1.6341	0.14	1.03	0.00	-20.21	0.00	0.00	352.87
Sep-1988	6.3	0.53	0	0.00	0.86	0.00	-18.90	0.00	0.00	352.01
Oct-1988	4.34	0.36	0	0.00	0.77	0.00	-13.02	0.00	0.00	351.24
Nov-1988	2.4	0.20	1.0725	0.09	0.60	0.00	-3.98	0.00	0.00	350.64
Dec-1988	1.55	0.13	2.0982	0.17	0.51	0.03	1.62	1.62	0.00	350.13
Jan-1989	1.55	0.13	1.0452	0.09	0.51	0.00	-1.51	1.34	0.00	349.61
Feb-1989	2.52	0.21	1.1739	0.10	0.43	0.00	-4.04	0.86	0.00	349.19
Mar-1989	4.03	0.34	1.6341	0.14	0.51	0.00	-7.19	0.44	0.00	348.67
Apr-1989	5.7	0.48	0.2067	0.02	0.60	0.00	-16.48	0.12	0.00	348.07
May-1989	7.75	0.65	0.1287	0.01	0.77	0.00	-22.86	0.02	0.00	347.30
Jun-1989	8.7	0.73	0	0.00	0.94	0.00	-26.10	0.00	0.00	346.36

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Jul-1989	9.3	0.78	0	0.00	1.03	0.00	-27.90	0.00	0.00	345.33
Aug-1989	8.37	0.70	0	0.00	1.03	0.00	-25.11	0.00	0.00	344.31
Sep-1989	6.3	0.53	0.1677	0.01	0.86	0.00	-18.40	0.00	0.00	343.45
Oct-1989	4.34	0.36	0.3549	0.03	0.77	0.00	-11.96	0.00	0.00	342.68
Nov-1989	2.4	0.20	0.0312	0.00	0.60	0.00	-7.11	0.00	0.00	342.08
Dec-1989	1.55	0.13	0.2886	0.02	0.51	0.00	-3.78	0.00	0.00	341.57
Jan-1990	1.55	0.13	3.0342	0.25	0.51	0.14	4.31	4.31	0.00	341.05
Feb-1990	2.52	0.21	1.7589	0.15	0.43	0.01	-2.29	3.27	0.00	340.63
Mar-1990	4.03	0.34	0.6903	0.06	0.51	0.00	-10.02	1.20	0.00	340.11
Apr-1990	5.7	0.48	0.9789	0.08	0.60	0.00	-14.16	0.38	0.00	339.51
May-1990	7.75	0.65	0.2262	0.02	0.77	0.00	-22.57	0.07	0.00	338.74
Jun-1990	8.7	0.73	0.2184	0.02	0.94	0.00	-25.44	0.01	0.00	337.80
Jul-1990	9.3	0.78	0.1092	0.01	1.03	0.00	-27.57	0.00	0.00	336.77
Aug-1990	8.37	0.70	0.1794	0.01	1.03	0.00	-24.57	0.00	0.00	335.75
Sep-1990	6.3	0.53	0.6162	0.05	0.86	0.00	-17.05	0.00	0.00	334.89
Oct-1990	4.34	0.36	0.039	0.00	0.77	0.00	-12.90	0.00	0.00	334.12
Nov-1990	2.4	0.20	0.5538	0.05	0.60	0.00	-5.54	0.00	0.00	333.52
Dec-1990	1.55	0.13	1.287	0.11	0.51	0.00	-0.79	0.00	0.00	333.01
Jan-1991	1.55	0.13	1.3377	0.11	0.51	0.00	-0.64	0.00	0.00	332.49
Feb-1991	2.52	0.21	2.2113	0.18	0.43	0.04	-0.96	0.00	0.00	332.07
Mar-1991	4.03	0.34	12.0627	1.01	0.51	5.99	18.11	10.25	85.95	386.92
Apr-1991	5.7	0.48	0.0507	0.00	0.60	0.00	-16.95	10.25	0.00	386.32
May-1991	7.75	0.65	0	0.00	0.77	0.00	-23.25	1.50	0.00	385.55
Jun-1991	8.7	0.73	0	0.00	0.94	0.00	-26.10	0.20	0.00	384.61
Jul-1991	9.3	0.78	0.6123	0.05	1.03	0.00	-26.06	0.03	0.00	383.58
Aug-1991	8.37	0.70	0	0.00	1.03	0.00	-25.11	0.00	0.00	382.55
Sep-1991	6.3	0.53	0.351	0.03	0.86	0.00	-17.85	0.00	0.00	381.70
Oct-1991	4.34	0.36	0.5772	0.05	0.77	0.00	-11.29	0.00	0.00	380.93
Nov-1991	2.4	0.20	0.2964	0.02	0.60	0.00	-6.31	0.00	0.00	380.33
Dec-1991	1.55	0.13	2.8002	0.23	0.51	0.11	3.64	3.64	0.00	379.82
Jan-1992	1.55	0.13	2.6832	0.22	0.51	0.09	3.31	6.07	8.75	386.92
Feb-1992	2.52	0.21	5.0037	0.42	0.43	0.71	6.74	10.09	27.64	386.92
Mar-1992	4.03	0.34	4.8867	0.41	0.51	0.66	1.91	10.25	19.76	386.92
Apr-1992	5.7	0.48	0.6747	0.06	0.60	0.00	-15.08	10.25	0.00	386.32
May-1992	7.75	0.65	0.2262	0.02	0.77	0.00	-22.57	1.58	0.00	385.55
Jun-1992	8.7	0.73	0	0.00	0.94	0.00	-26.10	0.22	0.00	384.61
Jul-1992	9.3	0.78	0.7449	0.06	1.03	0.00	-25.67	0.03	0.00	383.58
Aug-1992	8.37	0.70	2.028	0.17	1.03	0.02	-19.05	0.01	0.00	382.55
Sep-1992	6.3	0.53	0	0.00	0.86	0.00	-18.90	0.00	0.00	381.70
Oct-1992	4.34	0.36	0.2379	0.02	0.86	0.00	-12.31	0.00	0.00	380.84
Nov-1992	2.4	0.20	0.0585	0.00	0.60	0.00	-7.02	0.00	0.00	380.24
Dec-1992	1.55	0.13	3.9975	0.33	0.51	0.35	7.00	6.06	9.31	386.92
Jan-1993	1.55	0.13	18.4392	1.54	0.51	12.87	37.79	10.25	410.23	386.92
Feb-1993	2.52	0.21	6.4506	0.54	0.43	1.46	10.34	10.25	127.88	386.92
Mar-1993	4.03	0.34	1.5132	0.13	0.51	0.00	-7.55	10.25	0.00	386.41

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Apr-1993	5.7	0.48	0	0.00	0.60	0.00	-17.10	2.41	0.00	385.81
May-1993	7.75	0.65	0.117	0.01	0.77	0.00	-22.90	0.42	0.00	385.04
Jun-1993	8.7	0.73	0.1599	0.01	0.94	0.00	-25.62	0.06	0.00	384.10
Jul-1993	9.3	0.78	0	0.00	1.03	0.00	-27.90	0.01	0.00	383.07
Aug-1993	8.37	0.70	0	0.00	1.03	0.00	-25.11	0.00	0.00	382.04
Sep-1993	6.3	0.53	0	0.00	0.86	0.00	-18.90	0.00	0.00	381.18
Oct-1993	4.34	0.36	0.2964	0.02	0.77	0.00	-12.13	0.00	0.00	380.41
Nov-1993	2.4	0.20	1.4781	0.12	0.60	0.00	-2.77	0.00	0.00	379.82
Dec-1993	1.55	0.13	1.1505	0.10	0.51	0.00	-1.20	0.00	0.00	379.30
Jan-1994	1.55	0.13	1.6848	0.14	0.51	0.00	0.40	0.40	0.00	378.79
Feb-1994	2.52	0.21	4.1067	0.34	0.43	0.38	4.38	4.57	2.09	380.45
Mar-1994	4.03	0.34	3.1122	0.26	0.51	0.16	-2.91	3.95	0.00	379.93
Apr-1994	5.7	0.48	1.3377	0.11	0.60	0.00	-13.09	0.99	0.00	379.33
May-1994	7.75	0.65	0	0.00	0.77	0.00	-23.25	0.16	0.00	378.56
Jun-1994	8.7	0.73	0	0.00	0.94	0.00	-26.10	0.02	0.00	377.62
Jul-1994	9.3	0.78	0	0.00	1.03	0.00	-27.90	0.00	0.00	376.59
Aug-1994	8.37	0.70	1.2051	0.10	1.03	0.00	-21.49	0.00	0.00	375.57
Sep-1994	6.3	0.53	0	0.00	0.86	0.00	-18.90	0.00	0.00	374.71
Oct-1994	4.34	0.36	0.1911	0.02	0.77	0.00	-12.45	0.00	0.00	373.94
Nov-1994	2.4	0.20	0.6786	0.06	0.60	0.00	-5.16	0.00	0.00	373.34
Dec-1994	1.55	0.13	0.9633	0.08	0.51	0.00	-1.76	0.00	0.00	372.83
Jan-1995	1.55	0.13	10.0269	0.84	0.51	4.12	21.31	10.25	127.57	386.92
Feb-1995	2.52	0.21	3.2487	0.27	0.43	0.18	2.01	10.25	24.75	386.92
Mar-1995	4.03	0.34	6.5637	0.55	0.51	1.52	6.08	10.25	73.96	386.92
Apr-1995	5.7	0.48	1.248	0.10	0.60	0.00	-13.36	10.25	0.00	386.32
May-1995	7.75	0.65	1.092	0.09	0.77	0.00	-19.97	1.93	0.00	385.55
Jun-1995	8.7	0.73	0.4758	0.04	0.94	0.00	-24.67	0.29	0.00	384.61
Jul-1995	9.3	0.78	0.0585	0.00	1.03	0.00	-27.72	0.04	0.00	383.58
Aug-1995	8.37	0.70	0.6357	0.05	1.03	0.00	-23.20	0.01	0.00	382.55
Sep-1995	6.3	0.53	0.2808	0.02	0.86	0.00	-18.06	0.00	0.00	381.70
Oct-1995	4.34	0.36	0	0.00	0.77	0.00	-13.02	0.00	0.00	380.93
Nov-1995	2.4	0.20	0.078	0.01	0.60	0.00	-6.97	0.00	0.00	380.33
Dec-1995	1.55	0.13	0.5655	0.05	0.51	0.00	-2.95	0.00	0.00	379.82
Jan-1996	1.55	0.13	1.5249	0.13	0.51	0.00	-0.08	0.00	0.00	379.30
Feb-1996	2.52	0.21	3.1746	0.26	0.43	0.17	1.80	1.80	0.00	378.87
Mar-1996	4.03	0.34	2.73	0.23	0.51	0.10	-4.00	1.12	0.00	378.36
Apr-1996	5.7	0.48	0.5265	0.04	0.60	0.00	-15.52	0.27	0.00	377.76
May-1996	7.75	0.65	0.0702	0.01	0.77	0.00	-23.04	0.05	0.00	376.99
Jun-1996	8.7	0.73	0	0.00	0.94	0.00	-26.10	0.01	0.00	376.05
Jul-1996	9.3	0.78	0	0.00	1.03	0.00	-27.90	0.00	0.00	375.02
Aug-1996	8.37	0.70	0.0702	0.01	1.03	0.00	-24.90	0.00	0.00	373.99
Sep-1996	6.3	0.53	0.0312	0.00	0.86	0.00	-18.81	0.00	0.00	373.14
Oct-1996	4.34	0.36	1.5405	0.13	0.77	0.00	-8.40	0.00	0.00	372.37
Nov-1996	2.4	0.20	0.9126	0.08	0.60	0.00	-4.46	0.00	0.00	371.77
Dec-1996	1.55	0.13	1.9656	0.16	0.51	0.02	1.23	1.23	0.00	371.26

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Jan-1997	1.55	0.13	4.2939	0.36	0.51	0.44	7.79	7.38	16.26	386.92
Feb-1997	2.52	0.21	1.5132	0.13	0.43	0.00	-3.02	6.17	0.00	386.49
Mar-1997	4.03	0.34	0.0195	0.00	0.51	0.00	-12.03	1.98	0.00	385.98
Apr-1997	5.7	0.48	0.2184	0.02	0.60	0.00	-16.44	0.54	0.00	385.38
May-1997	7.75	0.65	0	0.00	0.77	0.00	-23.25	0.09	0.00	384.61
Jun-1997	8.7	0.73	0.0702	0.01	0.94	0.00	-25.89	0.01	0.00	383.67
Jul-1997	9.3	0.78	1.9149	0.16	1.03	0.01	-22.17	0.00	0.00	382.64
Aug-1997	8.37	0.70	0.1599	0.01	1.03	0.00	-24.63	0.00	0.00	381.61
Sep-1997	6.3	0.53	1.7433	0.15	0.86	0.01	-13.68	0.00	0.00	380.76
Oct-1997	4.34	0.36	4.1691	0.35	0.77	0.40	-0.91	0.00	0.00	379.99
Nov-1997	2.4	0.20	0	0.00	0.60	0.00	-7.20	0.00	0.00	379.39
Dec-1997	1.55	0.13	0	0.00	0.51	0.00	-4.65	0.00	0.00	378.87
Jan-1998	1.55	0.13	1.5912	0.13	0.51	0.00	0.12	0.12	0.00	378.36
Feb-1998	2.52	0.21	10.2726	0.86	0.43	4.33	18.93	10.25	98.78	386.92
Mar-1998	4.03	0.34	4.3563	0.36	0.51	0.46	0.52	10.25	6.65	386.92
Apr-1998	5.7	0.48	2.1723	0.18	0.60	0.03	-10.62	7.84	0.00	386.32
May-1998	7.75	0.65	1.1583	0.10	0.77	0.00	-19.78	1.45	0.00	385.55
Jun-1998	8.7	0.73	0.0234	0.00	0.94	0.00	-26.03	0.20	0.00	384.61
Jul-1998	9.3	0.78	0.1014	0.01	1.03	0.00	-27.60	0.03	0.00	383.58
Aug-1998	8.37	0.70	0.1989	0.02	1.03	0.00	-24.51	0.00	0.00	382.55
Sep-1998	6.3	0.53	0.1989	0.02	0.86	0.00	-18.30	0.00	0.00	381.70
Oct-1998	4.34	0.36	0.0351	0.00	0.77	0.00	-12.91	0.00	0.00	380.93
Nov-1998	2.4	0.20	1.1583	0.10	0.60	0.00	-3.73	0.00	0.00	380.33
Dec-1998	1.55	0.13	1.4079	0.12	0.51	0.00	-0.43	0.00	0.00	379.82
Jan-1999	1.55	0.13	1.6458	0.14	0.51	0.00	0.28	0.29	0.00	379.30
Feb-1999	2.52	0.21	0.8229	0.07	0.43	0.00	-5.09	0.16	0.00	378.87
Mar-1999	4.03	0.34	0.6201	0.05	0.51	0.00	-10.23	0.06	0.00	378.36
Apr-1999	5.7	0.48	3.2799	0.27	0.60	0.18	-7.45	0.03	0.00	377.76
May-1999	7.75	0.65	0	0.00	0.77	0.00	-23.25	0.01	0.00	376.99
Jun-1999	8.7	0.73	0.4563	0.04	0.94	0.00	-24.73	0.00	0.00	376.05
Jul-1999	9.3	0.78	0.3588	0.03	1.03	0.00	-26.82	0.00	0.00	375.02
Aug-1999	8.37	0.70	0	0.00	1.03	0.00	-25.11	0.00	0.00	373.99
Sep-1999	6.3	0.53	0.1365	0.01	0.86	0.00	-18.49	0.00	0.00	373.14
Oct-1999	4.34	0.36	0	0.00	0.77	0.00	-13.02	0.00	0.00	372.37
Nov-1999	2.4	0.20	0	0.00	0.60	0.00	-7.20	0.00	0.00	371.77
Dec-1999	1.55	0.13	0.2067	0.02	0.51	0.00	-4.03	0.00	0.00	371.26
Jan-2000	1.55	0.13	0.741	0.06	0.51	0.00	-2.43	0.00	0.00	370.74
Feb-2000	2.52	0.21	4.1652	0.35	0.43	0.40	4.54	4.41	1.31	371.62
Mar-2000	4.03	0.34	1.4586	0.12	0.51	0.00	-7.71	3.12	0.00	371.11
Apr-2000	5.7	0.48	0.4563	0.04	0.60	0.00	-15.73	0.54	0.00	370.51
May-2000	7.75	0.65	0	0.00	0.77	0.00	-23.25	0.08	0.00	369.74
Jun-2000	8.7	0.73	0.2067	0.02	0.94	0.00	-25.48	0.01	0.00	368.80
Jul-2000	9.3	0.78	0	0.00	1.03	0.00	-27.90	0.00	0.00	367.77
Aug-2000	8.37	0.70	0.1287	0.01	1.03	0.00	-24.72	0.00	0.00	366.74
Sep-2000	6.3	0.53	0.2964	0.02	0.86	0.00	-18.01	0.00	0.00	365.89

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Oct-2000	4.34	0.36	0.6396	0.05	0.77	0.00	-11.10	0.00	0.00	365.12
Nov-2000	2.4	0.20	0.3861	0.03	0.60	0.00	-6.04	0.00	0.00	364.52
Dec-2000	1.55	0.13	0.039	0.00	0.51	0.00	-4.53	0.00	0.00	364.01
Jan-2001	1.55	0.13	2.8977	0.24	0.51	0.12	3.92	3.92	0.00	363.49
Feb-2001	2.52	0.21	4.0833	0.34	0.43	0.37	4.32	6.84	13.88	376.94
Mar-2001	4.03	0.34	1.7472	0.15	0.51	0.01	-6.85	7.50	0.00	376.43
Apr-2001	5.7	0.48	1.443	0.12	0.60	0.00	-12.77	2.33	0.00	375.83
May-2001	7.75	0.65	0.0312	0.00	0.77	0.00	-23.16	0.38	0.00	375.06
Jun-2001	8.7	0.73	0	0.00	0.94	0.00	-26.10	0.05	0.00	374.12
Jul-2001	9.3	0.78	0.1209	0.01	1.03	0.00	-27.54	0.01	0.00	373.09
Aug-2001	8.37	0.70	0	0.00	1.03	0.00	-25.11	0.00	0.00	372.06
Sep-2001	6.3	0.53	0.2379	0.02	0.86	0.00	-18.19	0.00	0.00	371.21
Oct-2001	4.34	0.36	0	0.00	0.77	0.00	-13.02	0.00	0.00	370.44
Nov-2001	2.4	0.20	1.0998	0.09	0.60	0.00	-3.90	0.00	0.00	369.84
Dec-2001	1.55	0.13	1.0101	0.08	0.51	0.00	-1.62	0.00	0.00	369.33
Jan-2002	1.55	0.13	0.3978	0.03	0.51	0.00	-3.46	0.00	0.00	368.81
Feb-2002	2.52	0.21	0.1209	0.01	0.43	0.00	-7.20	0.00	0.00	368.38
Mar-2002	4.03	0.34	1.1115	0.09	0.51	0.00	-8.76	0.00	0.00	367.87
Apr-2002	5.7	0.48	0.3861	0.03	0.60	0.00	-15.94	0.00	0.00	367.27
May-2002	7.75	0.65	0	0.00	0.77	0.00	-23.25	0.00	0.00	366.50
Jun-2002	8.7	0.73	0	0.00	0.94	0.00	-26.10	0.00	0.00	365.56
Jul-2002	9.3	0.78	0.1872	0.02	1.03	0.00	-27.34	0.00	0.00	364.53
Aug-2002	8.37	0.70	0	0.00	1.03	0.00	-25.11	0.00	0.00	363.50
Sep-2002	6.3	0.53	1.1544	0.10	0.86	0.00	-15.44	0.00	0.00	362.65
Oct-2002	4.34	0.36	0.0117	0.00	0.77	0.00	-12.98	0.00	0.00	361.88
Nov-2002	2.4	0.20	1.0257	0.09	0.60	0.00	-4.12	0.00	0.00	361.28
Dec-2002	1.55	0.13	1.8408	0.15	0.51	0.01	0.86	0.86	0.00	360.77
Jan-2003	1.55	0.13	0.1794	0.01	0.51	0.00	-4.11	0.53	0.00	360.25
Feb-2003	2.52	0.21	4.0482	0.34	0.43	0.36	4.22	4.62	1.35	361.17
Mar-2003	4.03	0.34	2.1723	0.18	0.51	0.03	-5.61	3.54	0.00	360.66
Apr-2003	5.7	0.48	1.5444	0.13	0.60	0.00	-12.47	0.88	0.00	360.06
May-2003	7.75	0.65	0.9009	0.08	0.77	0.00	-20.55	0.17	0.00	359.29
Jun-2003	8.7	0.73	0	0.00	0.94	0.00	-26.10	0.02	0.00	358.34
Jul-2003	9.3	0.78	1.911	0.16	1.03	0.01	-22.18	0.00	0.00	357.32
Aug-2003	8.37	0.70	1.4742	0.12	1.03	0.00	-20.69	0.00	0.00	356.29
Sep-2003	6.3	0.53	0.3744	0.03	0.86	0.00	-17.78	0.00	0.00	355.43
Oct-2003	4.34	0.36	0	0.00	0.77	0.00	-13.02	0.00	0.00	354.66
Nov-2003	2.4	0.20	0.5499	0.05	0.60	0.00	-5.55	0.00	0.00	354.06
Dec-2003	1.55	0.13	1.2519	0.10	0.51	0.00	-0.89	0.00	0.00	353.55
Jan-2004	1.55	0.13	0.6747	0.06	0.51	0.00	-2.63	0.00	0.00	353.04
Feb-2004	2.52	0.21	4.4109	0.37	0.43	0.48	5.20	4.83	3.64	356.25
Mar-2004	4.03	0.34	0.6552	0.05	0.51	0.00	-10.12	3.04	0.00	355.73
Apr-2004	5.7	0.48	1.3182	0.11	0.60	0.00	-13.15	0.65	0.00	355.14
May-2004	7.75	0.65	0	0.00	0.77	0.00	-23.25	0.10	0.00	354.36
Jun-2004	8.7	0.73	0	0.00	0.94	0.00	-26.10	0.01	0.00	353.42

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Jul-2004	9.3	0.78	0.1404	0.01	1.03	0.00	-27.48	0.00	0.00	352.40
Aug-2004	8.37	0.70	0.0117	0.00	1.03	0.00	-25.07	0.00	0.00	351.37
Sep-2004	6.3	0.53	0	0.00	0.86	0.00	-18.90	0.00	0.00	350.51
Oct-2004	4.34	0.36	8.5059	0.71	0.77	2.87	9.63	7.53	20.83	370.58
Nov-2004	2.4	0.20	1.0725	0.09	0.60	0.00	-3.98	5.96	0.00	369.98
Dec-2004	1.55	0.13	4.6956	0.39	0.51	0.58	8.85	10.25	48.77	386.92
Jan-2005	1.55	0.13	5.1207	0.43	0.51	0.76	9.95	10.25	123.93	386.92
Feb-2005	2.52	0.21	4.8477	0.40	0.43	0.64	6.34	10.25	78.45	386.92
Mar-2005	4.03	0.34	1.5834	0.13	0.51	0.00	-7.34	10.25	0.00	386.41
Apr-2005	5.7	0.48	0.5811	0.05	0.60	0.00	-15.36	2.77	0.00	385.81
May-2005	7.75	0.65	0.039	0.00	0.77	0.00	-23.13	0.47	0.00	385.04
Jun-2005	8.7	0.73	0	0.00	0.94	0.00	-26.10	0.06	0.00	384.10
Jul-2005	9.3	0.78	0.4641	0.04	1.03	0.00	-26.51	0.01	0.00	383.07
Aug-2005	8.37	0.70	2.5077	0.21	1.03	0.07	-17.65	0.00	0.00	382.04
Sep-2005	6.3	0.53	0.0117	0.00	0.86	0.00	-18.86	0.00	0.00	381.18
Oct-2005	4.34	0.36	0.6123	0.05	0.77	0.00	-11.18	0.00	0.00	380.41
Nov-2005	2.4	0.20	0.1092	0.01	0.60	0.00	-6.87	0.00	0.00	379.82
Dec-2005	1.55	0.13	0	0.00	0.51	0.00	-4.65	0.00	0.00	379.30
Jan-2006	1.55	0.13	0.975	0.08	0.51	0.00	-1.73	0.00	0.00	378.79
Feb-2006	2.52	0.21	1.287	0.11	0.43	0.00	-3.70	0.00	0.00	378.36
Mar-2006	4.03	0.34	3.3384	0.28	0.51	0.20	-2.27	0.00	0.00	377.85
Apr-2006	5.7	0.48	2.2308	0.19	0.60	0.04	-10.45	0.00	0.00	377.25
May-2006	7.75	0.65	0.2184	0.02	0.77	0.00	-22.59	0.00	0.00	376.48
Jun-2006	8.7	0.73	0.156	0.01	0.94	0.00	-25.63	0.00	0.00	375.54
Jul-2006	9.3	0.78	0.5187	0.04	1.03	0.00	-26.34	0.00	0.00	374.51
Aug-2006	8.37	0.70	0.0312	0.00	1.03	0.00	-25.02	0.00	0.00	373.48
Sep-2006	6.3	0.53	0.0702	0.01	0.86	0.00	-18.69	0.00	0.00	372.62
Oct-2006	4.34	0.36	0.3588	0.03	0.77	0.00	-11.94	0.00	0.00	371.85
Nov-2006	2.4	0.20	0.1677	0.01	0.60	0.00	-6.70	0.00	0.00	371.26
Dec-2006	1.55	0.13	1.1817	0.10	0.51	0.00	-1.10	0.00	0.00	370.74
Jan-2007	1.55	0.13	0.741	0.06	0.51	0.00	-2.43	0.00	0.00	370.23
Feb-2007	2.52	0.21	3.0537	0.25	0.43	0.15	1.46	1.46	0.00	369.80
Mar-2007	4.03	0.34	0.2184	0.02	0.51	0.00	-11.43	0.43	0.00	369.29
Apr-2007	5.7	0.48	0.7605	0.06	0.60	0.00	-14.82	0.13	0.00	368.69
May-2007	7.75	0.65	0.039	0.00	0.77	0.00	-23.13	0.02	0.00	367.92
Jun-2007	8.7	0.73	0	0.00	0.94	0.00	-26.10	0.00	0.00	366.98
Jul-2007	9.3	0.78	0.1794	0.01	1.03	0.00	-27.36	0.00	0.00	365.95
Aug-2007	8.37	0.70	0.1287	0.01	1.03	0.00	-24.72	0.00	0.00	364.92
Sep-2007	6.3	0.53	0.0117	0.00	0.86	0.00	-18.86	0.00	0.00	364.06
Oct-2007	4.34	0.36	0.1677	0.01	0.77	0.00	-12.52	0.00	0.00	363.29
Nov-2007	2.4	0.20	0.3198	0.03	0.60	0.00	-6.24	0.00	0.00	362.70
Dec-2007	1.55	0.13	2.6559	0.22	0.51	0.09	3.23	3.23	0.00	362.18
Jan-2008	1.55	0.13	7.2228	0.60	0.51	1.94	15.07	10.25	90.91	386.92
Feb-2008	2.52	0.21	2.8548	0.24	0.43	0.11	0.89	10.25	10.85	386.92
Mar-2008	4.03	0.34	0.507	0.04	0.51	0.00	-10.57	10.25	0.00	386.41

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Apr-2008	5.7	0.48	0	0.00	0.60	0.00	-17.10	2.41	0.00	385.81
May-2008	7.75	0.65	0.2574	0.02	0.77	0.00	-22.48	0.43	0.00	385.04
Jun-2008	8.7	0.73	0	0.00	0.94	0.00	-26.10	0.06	0.00	384.10
Jul-2008	9.3	0.78	0	0.00	1.03	0.00	-27.90	0.01	0.00	383.07
Aug-2008	8.37	0.70	1.3377	0.11	1.03	0.00	-21.10	0.00	0.00	382.04
Sep-2008	6.3	0.53	0	0.00	0.86	0.00	-18.90	0.00	0.00	381.18
Oct-2008	4.34	0.36	0	0.00	0.77	0.00	-13.02	0.00	0.00	380.41
Nov-2008	2.4	0.20	1.7862	0.15	0.60	0.01	-1.85	0.00	0.00	379.82
Dec-2008	1.55	0.13	6.1464	0.51	0.51	1.28	12.51	9.59	28.92	386.92
Jan-2009	1.55	0.13	0.1989	0.02	0.51	0.00	-4.05	7.45	0.00	386.41
Feb-2009	2.52	0.21	3.6621	0.31	0.43	0.26	3.17	9.47	11.31	386.92
Mar-2009	4.03	0.34	0.0897	0.01	0.51	0.00	-11.82	4.75	0.00	386.41
Apr-2009	5.7	0.48	0.2379	0.02	0.60	0.00	-16.39	0.97	0.00	385.81
May-2009	7.75	0.65	0	0.00	0.77	0.00	-23.25	0.16	0.00	385.04
Jun-2009	8.7	0.73	0.0312	0.00	0.94	0.00	-26.01	0.02	0.00	384.10
Jul-2009	9.3	0.78	0	0.00	1.03	0.00	-27.90	0.00	0.00	383.07
Aug-2009	8.37	0.70	0	0.00	1.03	0.00	-25.11	0.00	0.00	382.04
Sep-2009	6.3	0.53	0.0312	0.00	0.86	0.00	-18.81	0.00	0.00	381.18
Oct-2009	4.34	0.36	0.0312	0.00	0.77	0.00	-12.93	0.00	0.00	380.41
Nov-2009	2.4	0.20	0.6942	0.06	0.60	0.00	-5.12	0.00	0.00	379.82
Dec-2009	1.55	0.13	4.8204	0.40	0.51	0.63	9.18	7.46	17.07	386.92
Jan-2010	1.55	0.13	6.5403	0.55	0.51	1.51	13.46	10.25	127.70	386.92
Feb-2010	2.52	0.21	5.0817	0.42	0.43	0.74	6.94	10.25	85.90	386.92
Mar-2010	4.03	0.34	1.3572	0.11	0.51	0.00	-8.02	10.25	0.00	386.41
Apr-2010	5.7	0.48	2.3361	0.19	0.60	0.05	-10.14	4.19	0.00	385.81
May-2010	7.75	0.65	0	0.00	0.77	0.00	-23.25	0.69	0.00	385.04
Jun-2010	8.7	0.73	0	0.00	0.94	0.00	-26.10	0.09	0.00	384.10
Jul-2010	9.3	0.78	0.0702	0.01	1.03	0.00	-27.69	0.01	0.00	383.07
Aug-2010	8.37	0.70	0	0.00	1.03	0.00	-25.11	0.00	0.00	382.04
Sep-2010	6.3	0.53	0.078	0.01	0.86	0.00	-18.67	0.00	0.00	381.18
Oct-2010	4.34	0.36	3.198	0.27	0.77	0.17	-3.60	0.00	0.00	380.41
Nov-2010	2.4	0.20	1.1778	0.10	0.60	0.00	-3.67	0.00	0.00	379.82
Dec-2010	1.55	0.13	8.1471	0.68	0.51	2.60	17.19	10.25	76.57	386.92
Jan-2011	1.55	0.13	0.2379	0.02	0.51	0.00	-3.94	10.25	0.00	386.41
Feb-2011	2.52	0.21	4.8867	0.41	0.43	0.66	6.44	10.25	79.69	386.92
Mar-2011	4.03	0.34	1.6302	0.14	0.51	0.00	-7.20	10.25	0.00	386.41
Apr-2011	5.7	0.48	0.3861	0.03	0.60	0.00	-15.94	2.64	0.00	385.81
May-2011	7.75	0.65	0.7137	0.06	0.77	0.00	-21.11	0.52	0.00	385.04
Jun-2011	8.7	0.73	0	0.00	0.94	0.00	-26.10	0.07	0.00	384.10
Jul-2011	9.3	0.78	0.2184	0.02	1.03	0.00	-27.24	0.01	0.00	383.07
Aug-2011	8.37	0.70	1.2675	0.11	1.03	0.00	-21.31	0.00	0.00	382.04
Sep-2011	6.3	0.53	0.2184	0.02	0.86	0.00	-18.24	0.00	0.00	381.18
Oct-2011	4.34	0.36	0.6357	0.05	0.77	0.00	-11.11	0.00	0.00	380.41
Nov-2011	2.4	0.20	3.3618	0.28	0.60	0.20	2.69	2.69	0.00	379.82
Dec-2011	1.55	0.13	1.6068	0.13	0.51	0.00	0.17	2.85	0.00	379.30

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Jan-2012	1.55	0.13	0.7254	0.06	0.51	0.00	-2.47	3.02	0.00	378.79
Feb-2012	2.52	0.21	1.9968	0.17	0.43	0.02	-1.59	2.41	0.00	378.36
Mar-2012	4.03	0.34	2.8587	0.24	0.51	0.11	-3.63	1.50	0.00	377.85
Apr-2012	5.7	0.48	2.8275	0.24	0.60	0.11	-8.73	0.60	0.00	377.25
May-2012	7.75	0.65	0	0.00	0.77	0.00	-23.25	0.09	0.00	376.48
Jun-2012	8.7	0.73	0	0.00	0.94	0.00	-26.10	0.01	0.00	375.54

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Scenario 3

Time	INPUT					OUTPUT				
	Monthly Avg. Reference ET (inches)	Monthly Avg. Reference ET (feet)	Mean Precip (inches)	Mean Precip (feet)	Water Demand (AF)	Runoff (in)	P- (PET+RO) (in)	Soil Moisture (in)	Recharge (AF)	Storage (AF)
Jul-1982	9.3	0.78	0	0.00	3.25	0.00	-27.90	10.25	0.00	383.67
Aug-1982	8.37	0.70	0.68	0.06	3.25	0.00	-23.07	1.52	0.00	380.43
Sep-1982	6.3	0.53	0.32	0.03	2.66	0.00	-17.94	0.39	0.00	377.77
Oct-1982	4.34	0.36	0	0.00	2.56	0.00	-13.02	0.14	0.00	375.21
Nov-1982	2.4	0.20	0.71	0.06	2.37	0.00	-5.07	0.10	0.00	372.84
Dec-1982	1.55	0.13	0	0.00	2.17	0.00	-4.65	0.07	0.00	370.67
Jan-1983	1.55	0.13	1.92	0.16	0.57	0.01	1.10	1.16	0.00	370.09
Feb-1983	2.52	0.21	3.35	0.28	0.48	0.20	2.29	3.46	0.00	369.61
Mar-1983	4.03	0.34	8.32	0.69	1.07	2.73	10.14	9.63	40.29	386.92
Apr-1983	5.7	0.48	1.36	0.11	2.47	0.00	-13.02	7.31	0.00	384.45
May-1983	7.75	0.65	0.12	0.01	1.96	0.00	-22.89	1.05	0.00	382.49
Jun-1983	8.7	0.73	0	0.00	2.45	0.00	-26.10	0.15	0.00	380.04
Jul-1983	9.3	0.78	0	0.00	2.55	0.00	-27.90	0.02	0.00	377.49
Aug-1983	8.37	0.70	1.18	0.10	1.15	0.00	-21.57	0.00	0.00	376.34
Sep-1983	6.3	0.53	0.95	0.08	0.96	0.00	-16.05	0.00	0.00	375.39
Oct-1983	4.34	0.36	1.06	0.09	0.86	0.00	-9.84	0.00	0.00	374.53
Nov-1983	2.4	0.20	1.42	0.12	0.67	0.00	-2.94	0.00	0.00	373.86
Dec-1983	1.55	0.13	0	0.00	0.57	0.00	-4.65	0.00	0.00	373.29
Jan-1984	1.55	0.13	0.24	0.02	0.57	0.00	-3.93	0.00	0.00	372.71
Feb-1984	2.52	0.21	0	0.00	0.48	0.00	-7.56	0.00	0.00	372.23
Mar-1984	4.03	0.34	0.04	0.00	0.57	0.00	-11.97	0.00	0.00	371.66
Apr-1984	5.7	0.48	0.12	0.01	0.67	0.00	-16.74	0.00	0.00	370.99
May-1984	7.75	0.65	0	0.00	0.86	0.00	-23.25	0.00	0.00	370.13
Jun-1984	8.7	0.73	0.12	0.01	1.05	0.00	-25.74	0.00	0.00	369.08
Jul-1984	9.3	0.78	2.8	0.23	1.15	0.11	-19.61	0.00	0.00	367.93
Aug-1984	8.37	0.70	0	0.00	1.15	0.00	-25.11	0.00	0.00	366.78
Sep-1984	6.3	0.53	0	0.00	0.96	0.00	-18.90	0.00	0.00	365.83
Oct-1984	4.34	0.36	0.04	0.00	0.86	0.00	-12.90	0.00	0.00	364.97
Nov-1984	2.4	0.20	0.83	0.07	0.67	0.00	-4.71	0.00	0.00	364.30
Dec-1984	1.55	0.13	3.62	0.30	0.57	0.25	5.96	5.39	5.64	369.37
Jan-1985	1.55	0.13	0.98	0.08	0.57	0.00	-1.71	4.91	0.00	368.79
Feb-1985	2.52	0.21	0	0.00	0.48	0.00	-7.56	2.20	0.00	368.32
Mar-1985	4.03	0.34	0	0.00	0.57	0.00	-12.09	0.79	0.00	367.74
Apr-1985	5.7	0.48	0	0.00	0.67	0.00	-17.10	0.21	0.00	367.07
May-1985	7.75	0.65	0	0.00	0.86	0.00	-23.25	0.04	0.00	366.21
Jun-1985	8.7	0.73	0.04	0.00	1.05	0.00	-25.98	0.01	0.00	365.16
Jul-1985	9.3	0.78	1.1	0.09	1.15	0.00	-24.60	0.00	0.00	364.01
Aug-1985	8.37	0.70	0	0.00	1.15	0.00	-25.11	0.00	0.00	362.87
Sep-1985	6.3	0.53	0.51	0.04	0.96	0.00	-17.37	0.00	0.00	361.91

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Oct-1985	4.34	0.36	0.47	0.04	0.86	0.00	-11.61	0.00	0.00	361.05
Nov-1985	2.4	0.20	3.51	0.29	0.67	0.23	3.10	3.10	0.00	360.38
Dec-1985	1.55	0.13	0.39	0.03	0.57	0.00	-3.48	2.04	0.00	359.81
Jan-1986	1.55	0.13	0.51	0.04	0.57	0.00	-3.12	1.46	0.00	359.23
Feb-1986	2.52	0.21	2.25	0.19	0.48	0.04	-0.85	1.34	0.00	358.76
Mar-1986	4.03	0.34	2.21	0.18	0.57	0.04	-5.50	0.81	0.00	358.18
Apr-1986	5.7	0.48	0.04	0.00	0.67	0.00	-16.98	0.21	0.00	357.51
May-1986	7.75	0.65	0	0.00	0.86	0.00	-23.25	0.04	0.00	356.65
Jun-1986	8.7	0.73	0	0.00	1.05	0.00	-26.10	0.00	0.00	355.60
Jul-1986	9.3	0.78	0	0.00	1.15	0.00	-27.90	0.00	0.00	354.45
Aug-1986	8.37	0.70	0.16	0.01	1.15	0.00	-24.63	0.00	0.00	353.31
Sep-1986	6.3	0.53	0	0.00	0.96	0.00	-18.90	0.00	0.00	352.35
Oct-1986	4.34	0.36	0	0.00	0.86	0.00	-13.02	0.00	0.00	351.49
Nov-1986	2.4	0.20	0.67	0.06	0.67	0.00	-5.19	0.00	0.00	350.82
Dec-1986	1.55	0.13	0.43	0.04	0.57	0.00	-3.36	0.00	0.00	350.25
Jan-1987	1.55	0.13	1.5	0.13	0.57	0.00	-0.15	0.00	0.00	349.67
Feb-1987	2.52	0.21	0.63	0.05	0.48	0.00	-5.67	0.00	0.00	349.20
Mar-1987	4.03	0.34	0	0.00	0.57	0.00	-12.09	0.00	0.00	348.62
Apr-1987	5.7	0.48	0.16	0.01	0.67	0.00	-16.62	0.00	0.00	347.95
May-1987	7.75	0.65	0.12	0.01	0.86	0.00	-22.89	0.00	0.00	347.09
Jun-1987	8.7	0.73	0	0.00	1.05	0.00	-26.10	0.00	0.00	346.04
Jul-1987	9.3	0.78	0	0.00	1.15	0.00	-27.90	0.00	0.00	344.89
Aug-1987	8.37	0.70	0	0.00	1.15	0.00	-25.11	0.00	0.00	343.75
Sep-1987	6.3	0.53	0.39	0.03	0.96	0.00	-17.73	0.00	0.00	342.79
Oct-1987	4.34	0.36	0	0.00	0.86	0.00	-13.02	0.00	0.00	341.93
Nov-1987	2.4	0.20	0.91	0.08	0.67	0.00	-4.47	0.00	0.00	341.26
Dec-1987	1.55	0.13	1.69	0.14	0.57	0.00	0.42	0.42	0.00	340.69
Jan-1988	1.55	0.13	2.6	0.22	0.57	0.08	3.07	3.49	0.00	340.11
Feb-1988	2.52	0.21	2.09	0.17	0.48	0.03	-1.32	2.97	0.00	339.64
Mar-1988	4.03	0.34	0.43	0.04	0.57	0.00	-10.80	0.99	0.00	339.06
Apr-1988	5.7	0.48	1.38	0.12	0.67	0.00	-12.96	0.34	0.00	338.39
May-1988	7.75	0.65	0	0.00	0.86	0.00	-23.25	0.06	0.00	337.53
Jun-1988	8.7	0.73	0	0.00	1.05	0.00	-26.10	0.01	0.00	336.48
Jul-1988	9.3	0.78	0.24	0.02	1.15	0.00	-27.18	0.00	0.00	335.33
Aug-1988	8.37	0.70	0.79	0.07	1.15	0.00	-22.74	0.00	0.00	334.19
Sep-1988	6.3	0.53	0.32	0.03	0.96	0.00	-17.94	0.00	0.00	333.23
Oct-1988	4.34	0.36	0	0.00	0.86	0.00	-13.02	0.00	0.00	332.37
Nov-1988	2.4	0.20	0.47	0.04	0.67	0.00	-5.79	0.00	0.00	331.70
Dec-1988	1.55	0.13	1.18	0.10	0.57	0.00	-1.11	0.00	0.00	331.13
Jan-1989	1.55	0.13	0.59	0.05	0.57	0.00	-2.88	0.00	0.00	330.55
Feb-1989	2.52	0.21	0.04	0.00	0.48	0.00	-7.44	0.00	0.00	330.08
Mar-1989	4.03	0.34	0	0.00	0.57	0.00	-12.09	0.00	0.00	329.50
Apr-1989	5.7	0.48	0	0.00	0.67	0.00	-17.10	0.00	0.00	328.83
May-1989	7.75	0.65	0.12	0.01	0.86	0.00	-22.89	0.00	0.00	327.97
Jun-1989	8.7	0.73	0	0.00	1.05	0.00	-26.10	0.00	0.00	326.92

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Jul-1989	9.3	0.78	0.35	0.03	1.15	0.00	-26.85	0.00	0.00	325.77
Aug-1989	8.37	0.70	0.87	0.07	1.15	0.00	-22.50	0.00	0.00	324.63
Sep-1989	6.3	0.53	0	0.00	0.96	0.00	-18.90	0.00	0.00	323.67
Oct-1989	4.34	0.36	1.62	0.14	0.86	0.00	-8.16	0.00	0.00	322.81
Nov-1989	2.4	0.20	0.08	0.01	0.67	0.00	-6.96	0.00	0.00	322.14
Dec-1989	1.55	0.13	0.12	0.01	0.57	0.00	-4.29	0.00	0.00	321.57
Jan-1990	1.55	0.13	1.82	0.15	0.57	0.01	0.80	0.80	0.00	320.99
Feb-1990	2.52	0.21	0.71	0.06	0.48	0.00	-5.43	0.43	0.00	320.52
Mar-1990	4.03	0.34	0.55	0.05	0.57	0.00	-10.44	0.17	0.00	319.94
Apr-1990	5.7	0.48	0.75	0.06	0.67	0.00	-14.85	0.05	0.00	319.27
May-1990	7.75	0.65	0.32	0.03	0.86	0.00	-22.29	0.01	0.00	318.41
Jun-1990	8.7	0.73	2.76	0.23	1.05	0.10	-17.92	0.00	0.00	317.36
Jul-1990	9.3	0.78	0	0.00	1.15	0.00	-27.90	0.00	0.00	316.21
Aug-1990	8.37	0.70	0	0.00	1.15	0.00	-25.11	0.00	0.00	315.07
Sep-1990	6.3	0.53	0.16	0.01	0.96	0.00	-18.42	0.00	0.00	314.11
Oct-1990	4.34	0.36	0.16	0.01	0.86	0.00	-12.54	0.00	0.00	313.25
Nov-1990	2.4	0.20	0.43	0.04	0.67	0.00	-5.91	0.00	0.00	312.58
Dec-1990	1.55	0.13	0.59	0.05	0.57	0.00	-2.88	0.00	0.00	312.01
Jan-1991	1.55	0.13	1.06	0.09	0.57	0.00	-1.47	0.00	0.00	311.43
Feb-1991	2.52	0.21	3.23	0.27	0.48	0.18	1.95	1.95	0.00	310.96
Mar-1991	4.03	0.34	5.91	0.49	0.57	1.15	4.49	5.50	9.32	319.71
Apr-1991	5.7	0.48	0	0.00	0.67	0.00	-17.10	6.41	0.00	319.04
May-1991	7.75	0.65	0.04	0.00	0.86	0.00	-23.13	0.89	0.00	318.18
Jun-1991	8.7	0.73	0	0.00	1.05	0.00	-26.10	0.13	0.00	317.12
Jul-1991	9.3	0.78	0.2	0.02	1.15	0.00	-27.30	0.02	0.00	315.98
Aug-1991	8.37	0.70	0.32	0.03	1.15	0.00	-24.15	0.00	0.00	314.83
Sep-1991	6.3	0.53	0.43	0.04	0.96	0.00	-17.61	0.00	0.00	313.87
Oct-1991	4.34	0.36	0.43	0.04	0.86	0.00	-11.73	0.00	0.00	313.01
Nov-1991	2.4	0.20	0.16	0.01	0.67	0.00	-6.72	0.00	0.00	312.34
Dec-1991	1.55	0.13	2.36	0.20	0.57	0.05	2.38	2.38	0.00	311.77
Jan-1992	1.55	0.13	1.85	0.15	0.57	0.01	0.89	3.27	0.00	311.20
Feb-1992	2.52	0.21	3.31	0.28	0.48	0.19	2.18	5.05	3.96	314.68
Mar-1992	4.03	0.34	4.73	0.39	0.57	0.60	1.50	5.89	6.52	320.63
Apr-1992	5.7	0.48	0.47	0.04	0.67	0.00	-15.69	6.54	0.00	319.96
May-1992	7.75	0.65	0.63	0.05	0.86	0.00	-21.36	1.04	0.00	319.10
Jun-1992	8.7	0.73	0	0.00	1.05	0.00	-26.10	0.15	0.00	318.05
Jul-1992	9.3	0.78	0.75	0.06	1.15	0.00	-25.65	0.02	0.00	316.90
Aug-1992	8.37	0.70	1.69	0.14	1.15	0.00	-20.04	0.00	0.00	315.75
Sep-1992	6.3	0.53	0	0.00	0.96	0.00	-18.90	0.00	0.00	314.80
Oct-1992	4.34	0.36	0.28	0.02	0.96	0.00	-12.18	0.00	0.00	313.84
Nov-1992	2.4	0.20	0.08	0.01	0.67	0.00	-6.96	0.00	0.00	313.17
Dec-1992	1.55	0.13	2.76	0.23	0.57	0.10	3.53	3.53	0.00	312.60
Jan-1993	1.55	0.13	9.89	0.82	0.57	4.00	21.02	10.25	168.22	386.92
Feb-1993	2.52	0.21	5.24	0.44	0.48	0.81	7.35	10.25	90.90	386.92
Mar-1993	4.03	0.34	0.79	0.07	0.57	0.00	-9.72	10.25	0.00	386.35

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Apr-1993	5.7	0.48	0	0.00	0.67	0.00	-17.10	2.41	0.00	385.68
May-1993	7.75	0.65	0.2	0.02	0.86	0.00	-22.65	0.43	0.00	384.82
Jun-1993	8.7	0.73	0.2	0.02	1.05	0.00	-25.50	0.06	0.00	383.77
Jul-1993	9.3	0.78	0	0.00	1.15	0.00	-27.90	0.01	0.00	382.62
Aug-1993	8.37	0.70	0	0.00	1.15	0.00	-25.11	0.00	0.00	381.47
Sep-1993	6.3	0.53	0	0.00	0.96	0.00	-18.90	0.00	0.00	380.51
Oct-1993	4.34	0.36	0.08	0.01	0.86	0.00	-12.78	0.00	0.00	379.65
Nov-1993	2.4	0.20	1.3	0.11	0.67	0.00	-3.30	0.00	0.00	378.99
Dec-1993	1.55	0.13	0.63	0.05	0.57	0.00	-2.76	0.00	0.00	378.41
Jan-1994	1.55	0.13	1.02	0.09	0.57	0.00	-1.59	0.00	0.00	377.84
Feb-1994	2.52	0.21	3.7	0.31	0.48	0.27	3.27	3.27	0.00	377.36
Mar-1994	4.03	0.34	2.32	0.19	0.57	0.05	-5.18	1.79	0.00	376.79
Apr-1994	5.7	0.48	0.75	0.06	0.67	0.00	-14.85	0.47	0.00	376.12
May-1994	7.75	0.65	0.08	0.01	0.86	0.00	-23.01	0.08	0.00	375.26
Jun-1994	8.7	0.73	0	0.00	1.05	0.00	-26.10	0.01	0.00	374.21
Jul-1994	9.3	0.78	0	0.00	1.15	0.00	-27.90	0.00	0.00	373.06
Aug-1994	8.37	0.70	1.69	0.14	1.15	0.00	-20.04	0.00	0.00	371.91
Sep-1994	6.3	0.53	0.39	0.03	0.96	0.00	-17.73	0.00	0.00	370.95
Oct-1994	4.34	0.36	0.04	0.00	0.86	0.00	-12.90	0.00	0.00	370.09
Nov-1994	2.4	0.20	0.47	0.04	0.67	0.00	-5.79	0.00	0.00	369.43
Dec-1994	1.55	0.13	1.65	0.14	0.57	0.00	0.30	0.30	0.00	368.85
Jan-1995	1.55	0.13	6.5	0.54	0.57	1.48	13.37	10.01	36.84	386.92
Feb-1995	2.52	0.21	3.15	0.26	0.48	0.16	1.73	10.25	17.40	386.92
Mar-1995	4.03	0.34	3.66	0.31	0.57	0.26	-1.37	10.25	0.00	386.35
Apr-1995	5.7	0.48	0.55	0.05	0.67	0.00	-15.45	2.75	0.00	385.68
May-1995	7.75	0.65	0.79	0.07	0.86	0.00	-20.88	0.55	0.00	384.82
Jun-1995	8.7	0.73	0.2	0.02	1.05	0.00	-25.50	0.08	0.00	383.77
Jul-1995	9.3	0.78	0.04	0.00	1.15	0.00	-27.78	0.01	0.00	382.62
Aug-1995	8.37	0.70	0.55	0.05	1.15	0.00	-23.46	0.00	0.00	381.47
Sep-1995	6.3	0.53	0.47	0.04	0.96	0.00	-17.49	0.00	0.00	380.51
Oct-1995	4.34	0.36	0	0.00	0.86	0.00	-13.02	0.00	0.00	379.65
Nov-1995	2.4	0.20	0	0.00	0.67	0.00	-7.20	0.00	0.00	378.99
Dec-1995	1.55	0.13	0.28	0.02	0.57	0.00	-3.81	0.00	0.00	378.41
Jan-1996	1.55	0.13	1.18	0.10	0.57	0.00	-1.11	0.00	0.00	377.84
Feb-1996	2.52	0.21	5.16	0.43	0.48	0.78	7.14	6.08	10.56	386.92
Mar-1996	4.03	0.34	1.58	0.13	0.57	0.00	-7.35	4.12	0.00	386.35
Apr-1996	5.7	0.48	0.08	0.01	0.67	0.00	-16.86	0.76	0.00	385.68
May-1996	7.75	0.65	0.16	0.01	0.86	0.00	-22.77	0.13	0.00	384.82
Jun-1996	8.7	0.73	0	0.00	1.05	0.00	-26.10	0.02	0.00	383.77
Jul-1996	9.3	0.78	0.04	0.00	1.15	0.00	-27.78	0.00	0.00	382.62
Aug-1996	8.37	0.70	0	0.00	1.15	0.00	-25.11	0.00	0.00	381.47
Sep-1996	6.3	0.53	0.16	0.01	0.96	0.00	-18.42	0.00	0.00	380.51
Oct-1996	4.34	0.36	0.87	0.07	0.86	0.00	-10.41	0.00	0.00	379.65
Nov-1996	2.4	0.20	0.87	0.07	0.67	0.00	-4.59	0.00	0.00	378.99
Dec-1996	1.55	0.13	1.42	0.12	0.57	0.00	-0.39	0.00	0.00	378.41

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Jan-1997	1.55	0.13	3.58	0.30	0.57	0.24	5.85	5.32	5.25	383.09
Feb-1997	2.52	0.21	1.02	0.09	0.48	0.00	-4.50	4.21	0.00	382.61
Mar-1997	4.03	0.34	0.04	0.00	0.57	0.00	-11.97	1.20	0.00	382.03
Apr-1997	5.7	0.48	0.43	0.04	0.67	0.00	-15.81	0.33	0.00	381.37
May-1997	7.75	0.65	0	0.00	0.86	0.00	-23.25	0.06	0.00	380.51
Jun-1997	8.7	0.73	0.55	0.05	1.05	0.00	-24.45	0.01	0.00	379.45
Jul-1997	9.3	0.78	0.08	0.01	1.15	0.00	-27.66	0.00	0.00	378.31
Aug-1997	8.37	0.70	0	0.00	1.15	0.00	-25.11	0.00	0.00	377.16
Sep-1997	6.3	0.53	1.97	0.16	0.96	0.02	-13.01	0.00	0.00	376.20
Oct-1997	4.34	0.36	0.08	0.01	0.86	0.00	-12.78	0.00	0.00	375.34
Nov-1997	2.4	0.20	1.38	0.12	0.67	0.00	-3.06	0.00	0.00	374.67
Dec-1997	1.55	0.13	2.68	0.22	0.57	0.09	3.30	3.30	0.00	374.10
Jan-1998	1.55	0.13	1.42	0.12	0.57	0.00	-0.39	3.14	0.00	373.53
Feb-1998	2.52	0.21	7.76	0.65	0.48	2.31	13.41	10.25	68.50	386.92
Mar-1998	4.03	0.34	3.66	0.31	0.57	0.26	-1.37	10.25	0.00	386.35
Apr-1998	5.7	0.48	1.69	0.14	0.67	0.00	-12.03	3.60	0.00	385.68
May-1998	7.75	0.65	1.3	0.11	0.86	0.00	-19.35	0.80	0.00	384.82
Jun-1998	8.7	0.73	0.04	0.00	1.05	0.00	-25.98	0.11	0.00	383.77
Jul-1998	9.3	0.78	0.08	0.01	1.15	0.00	-27.66	0.01	0.00	382.62
Aug-1998	8.37	0.70	1.65	0.14	1.15	0.00	-20.16	0.00	0.00	381.47
Sep-1998	6.3	0.53	0.32	0.03	0.96	0.00	-17.94	0.00	0.00	380.51
Oct-1998	4.34	0.36	0.04	0.00	0.86	0.00	-12.90	0.00	0.00	379.65
Nov-1998	2.4	0.20	1.38	0.12	0.67	0.00	-3.06	0.00	0.00	378.99
Dec-1998	1.55	0.13	1.42	0.12	0.57	0.00	-0.39	0.00	0.00	378.41
Jan-1999	1.55	0.13	1.58	0.13	0.57	0.00	0.09	0.09	0.00	377.84
Feb-1999	2.52	0.21	0.87	0.07	0.48	0.00	-4.95	0.05	0.00	377.36
Mar-1999	4.03	0.34	0.71	0.06	0.57	0.00	-9.96	0.02	0.00	376.79
Apr-1999	5.7	0.48	1.73	0.14	0.67	0.01	-11.92	0.01	0.00	376.12
May-1999	7.75	0.65	0.2	0.02	0.86	0.00	-22.65	0.00	0.00	375.26
Jun-1999	8.7	0.73	0.32	0.03	1.05	0.00	-25.14	0.00	0.00	374.21
Jul-1999	9.3	0.78	0.87	0.07	1.15	0.00	-25.29	0.00	0.00	373.06
Aug-1999	8.37	0.70	0	0.00	1.15	0.00	-25.11	0.00	0.00	371.91
Sep-1999	6.3	0.53	0.08	0.01	0.96	0.00	-18.66	0.00	0.00	370.95
Oct-1999	4.34	0.36	0.2	0.02	0.86	0.00	-12.42	0.00	0.00	370.09
Nov-1999	2.4	0.20	0.04	0.00	0.67	0.00	-7.08	0.00	0.00	369.43
Dec-1999	1.55	0.13	0.2	0.02	0.57	0.00	-4.05	0.00	0.00	368.85
Jan-2000	1.55	0.13	0.71	0.06	0.57	0.00	-2.52	0.00	0.00	368.28
Feb-2000	2.52	0.21	3.58	0.30	0.48	0.24	2.94	2.94	0.00	367.80
Mar-2000	4.03	0.34	1.14	0.10	0.57	0.00	-8.67	1.13	0.00	367.23
Apr-2000	5.7	0.48	0.55	0.05	0.67	0.00	-15.45	0.31	0.00	366.56
May-2000	7.75	0.65	0.04	0.00	0.86	0.00	-23.13	0.05	0.00	365.70
Jun-2000	8.7	0.73	0.28	0.02	1.05	0.00	-25.26	0.01	0.00	364.65
Jul-2000	9.3	0.78	0	0.00	1.15	0.00	-27.90	0.00	0.00	363.50
Aug-2000	8.37	0.70	0.79	0.07	1.15	0.00	-22.74	0.00	0.00	362.35
Sep-2000	6.3	0.53	0.16	0.01	0.96	0.00	-18.42	0.00	0.00	361.39

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Oct-2000	4.34	0.36	0.67	0.06	0.86	0.00	-11.01	0.00	0.00	360.53
Nov-2000	2.4	0.20	0.28	0.02	0.67	0.00	-6.36	0.00	0.00	359.87
Dec-2000	1.55	0.13	0.08	0.01	0.57	0.00	-4.41	0.00	0.00	359.29
Jan-2001	1.55	0.13	1.69	0.14	0.57	0.00	0.42	0.42	0.00	358.72
Feb-2001	2.52	0.21	2.56	0.21	0.48	0.07	0.05	0.50	0.00	358.24
Mar-2001	4.03	0.34	0.87	0.07	0.57	0.00	-9.48	0.18	0.00	357.67
Apr-2001	5.7	0.48	1.02	0.09	0.67	0.00	-14.04	0.05	0.00	357.00
May-2001	7.75	0.65	0	0.00	0.86	0.00	-23.25	0.01	0.00	356.14
Jun-2001	8.7	0.73	0	0.00	1.05	0.00	-26.10	0.00	0.00	355.09
Jul-2001	9.3	0.78	0.04	0.00	1.15	0.00	-27.78	0.00	0.00	353.94
Aug-2001	8.37	0.70	0	0.00	1.15	0.00	-25.11	0.00	0.00	352.79
Sep-2001	6.3	0.53	2.44	0.20	0.96	0.06	-11.64	0.00	0.00	351.83
Oct-2001	4.34	0.36	0	0.00	0.86	0.00	-13.02	0.00	0.00	350.97
Nov-2001	2.4	0.20	0.59	0.05	0.67	0.00	-5.43	0.00	0.00	350.31
Dec-2001	1.55	0.13	1.1	0.09	0.57	0.00	-1.35	0.00	0.00	349.73
Jan-2002	1.55	0.13	0.32	0.03	0.57	0.00	-3.69	0.00	0.00	349.16
Feb-2002	2.52	0.21	0.16	0.01	0.48	0.00	-7.08	0.00	0.00	348.68
Mar-2002	4.03	0.34	0.67	0.06	0.57	0.00	-10.08	0.00	0.00	348.11
Apr-2002	5.7	0.48	0.43	0.04	0.67	0.00	-15.81	0.00	0.00	347.44
May-2002	7.75	0.65	0	0.00	0.86	0.00	-23.25	0.00	0.00	346.58
Jun-2002	8.7	0.73	0	0.00	1.05	0.00	-26.10	0.00	0.00	345.53
Jul-2002	9.3	0.78	0	0.00	1.15	0.00	-27.90	0.00	0.00	344.38
Aug-2002	8.37	0.70	0	0.00	1.15	0.00	-25.11	0.00	0.00	343.23
Sep-2002	6.3	0.53	0.95	0.08	0.96	0.00	-16.05	0.00	0.00	342.27
Oct-2002	4.34	0.36	0.16	0.01	0.86	0.00	-12.54	0.00	0.00	341.41
Nov-2002	2.4	0.20	1.46	0.12	0.67	0.00	-2.82	0.00	0.00	340.75
Dec-2002	1.55	0.13	1.38	0.12	0.57	0.00	-0.51	0.00	0.00	340.17
Jan-2003	1.55	0.13	0.16	0.01	0.57	0.00	-4.17	0.00	0.00	339.60
Feb-2003	2.52	0.21	3.62	0.30	0.48	0.25	3.05	3.05	0.00	339.12
Mar-2003	4.03	0.34	1.42	0.12	0.57	0.00	-7.83	1.27	0.00	338.55
Apr-2003	5.7	0.48	1.5	0.13	0.67	0.00	-12.60	0.42	0.00	337.88
May-2003	7.75	0.65	0.83	0.07	0.86	0.00	-20.76	0.09	0.00	337.02
Jun-2003	8.7	0.73	0	0.00	1.05	0.00	-26.10	0.01	0.00	335.97
Jul-2003	9.3	0.78	0.2	0.02	1.15	0.00	-27.30	0.00	0.00	334.82
Aug-2003	8.37	0.70	1.93	0.16	1.15	0.02	-19.34	0.00	0.00	333.67
Sep-2003	6.3	0.53	0.04	0.00	0.96	0.00	-18.78	0.00	0.00	332.71
Oct-2003	4.34	0.36	0	0.00	0.86	0.00	-13.02	0.00	0.00	331.85
Nov-2003	2.4	0.20	0.55	0.05	0.67	0.00	-5.55	0.00	0.00	331.19
Dec-2003	1.55	0.13	1.5	0.13	0.57	0.00	-0.15	0.00	0.00	330.61
Jan-2004	1.55	0.13	0.59	0.05	0.57	0.00	-2.88	0.00	0.00	330.04
Feb-2004	2.52	0.21	3.66	0.31	0.48	0.26	3.16	3.16	0.00	329.56
Mar-2004	4.03	0.34	1.54	0.13	0.57	0.00	-7.47	1.36	0.00	328.99
Apr-2004	5.7	0.48	0.66	0.06	0.67	0.00	-15.12	0.37	0.00	328.32
May-2004	7.75	0.65	0	0.00	0.86	0.00	-23.25	0.06	0.00	327.46
Jun-2004	8.7	0.73	0	0.00	1.05	0.00	-26.10	0.01	0.00	326.41

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Jul-2004	9.3	0.78	0.24	0.02	1.15	0.00	-27.18	0.00	0.00	325.26
Aug-2004	8.37	0.70	0.51	0.04	1.15	0.00	-23.58	0.00	0.00	324.11
Sep-2004	6.3	0.53	0.04	0.00	0.96	0.00	-18.78	0.00	0.00	323.15
Oct-2004	4.34	0.36	6.58	0.55	0.86	1.53	5.19	4.68	5.01	327.30
Nov-2004	2.4	0.20	0.67	0.06	0.67	0.00	-5.19	3.65	0.00	326.63
Dec-2004	1.55	0.13	4.14	0.35	0.57	0.39	7.38	8.45	25.54	351.60
Jan-2005	1.55	0.13	3.55	0.30	0.57	0.24	5.76	10.25	45.38	386.92
Feb-2005	2.52	0.21	4.18	0.35	0.48	0.40	4.58	10.25	56.63	386.92
Mar-2005	4.03	0.34	1.02	0.09	0.57	0.00	-9.03	10.25	0.00	386.35
Apr-2005	5.7	0.48	0.39	0.03	0.67	0.00	-15.93	2.64	0.00	385.68
May-2005	7.75	0.65	0.04	0.00	0.86	0.00	-23.13	0.45	0.00	384.82
Jun-2005	8.7	0.73	0	0.00	1.05	0.00	-26.10	0.06	0.00	383.77
Jul-2005	9.3	0.78	0.55	0.05	1.15	0.00	-26.25	0.01	0.00	382.62
Aug-2005	8.37	0.70	3.19	0.27	1.15	0.17	-15.71	0.00	0.00	381.47
Sep-2005	6.3	0.53	0.08	0.01	0.96	0.00	-18.66	0.00	0.00	380.51
Oct-2005	4.34	0.36	0.59	0.05	0.86	0.00	-11.25	0.00	0.00	379.65
Nov-2005	2.4	0.20	0.04	0.00	0.67	0.00	-7.08	0.00	0.00	378.99
Dec-2005	1.55	0.13	0.12	0.01	0.57	0.00	-4.29	0.00	0.00	378.41
Jan-2006	1.55	0.13	0.51	0.04	0.57	0.00	-3.12	0.00	0.00	377.84
Feb-2006	2.52	0.21	1.06	0.09	0.48	0.00	-4.38	0.00	0.00	377.36
Mar-2006	4.03	0.34	2.64	0.22	0.57	0.08	-4.25	0.00	0.00	376.79
Apr-2006	5.7	0.48	1.73	0.14	0.67	0.01	-11.92	0.00	0.00	376.12
May-2006	7.75	0.65	0.08	0.01	0.86	0.00	-23.01	0.00	0.00	375.26
Jun-2006	8.7	0.73	0.16	0.01	1.05	0.00	-25.62	0.00	0.00	374.21
Jul-2006	9.3	0.78	0.35	0.03	1.15	0.00	-26.85	0.00	0.00	373.06
Aug-2006	8.37	0.70	0.08	0.01	1.15	0.00	-24.87	0.00	0.00	371.91
Sep-2006	6.3	0.53	0.04	0.00	0.96	0.00	-18.78	0.00	0.00	370.95
Oct-2006	4.34	0.36	0.24	0.02	0.86	0.00	-12.30	0.00	0.00	370.09
Nov-2006	2.4	0.20	0.08	0.01	0.67	0.00	-6.96	0.00	0.00	369.43
Dec-2006	1.55	0.13	0.79	0.07	0.57	0.00	-2.28	0.00	0.00	368.85
Jan-2007	1.55	0.13	0.35	0.03	0.57	0.00	-3.60	0.00	0.00	368.28
Feb-2007	2.52	0.21	1.3	0.11	0.48	0.00	-3.66	0.00	0.00	367.80
Mar-2007	4.03	0.34	0.39	0.03	0.57	0.00	-10.92	0.00	0.00	367.23
Apr-2007	5.7	0.48	0.32	0.03	0.67	0.00	-16.14	0.00	0.00	366.56
May-2007	7.75	0.65	0	0.00	0.86	0.00	-23.25	0.00	0.00	365.70
Jun-2007	8.7	0.73	0	0.00	1.05	0.00	-26.10	0.00	0.00	364.65
Jul-2007	9.3	0.78	0	0.00	1.15	0.00	-27.90	0.00	0.00	363.50
Aug-2007	8.37	0.70	0	0.00	1.15	0.00	-25.11	0.00	0.00	362.35
Sep-2007	6.3	0.53	0.16	0.01	0.96	0.00	-18.42	0.00	0.00	361.39
Oct-2007	4.34	0.36	0.16	0.01	0.86	0.00	-12.54	0.00	0.00	360.53
Nov-2007	2.4	0.20	1.65	0.14	0.67	0.00	-2.25	0.00	0.00	359.87
Dec-2007	1.55	0.13	0.79	0.07	0.57	0.00	-2.28	0.00	0.00	359.29
Jan-2008	1.55	0.13	4.32	0.36	0.57	0.45	7.86	6.61	12.39	371.11
Feb-2008	2.52	0.21	2.09	0.17	0.48	0.03	-1.32	6.12	0.00	370.63
Mar-2008	4.03	0.34	0.32	0.03	0.57	0.00	-11.13	2.11	0.00	370.06

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Apr-2008	5.7	0.48	0	0.00	0.67	0.00	-17.10	0.54	0.00	369.39
May-2008	7.75	0.65	0.2	0.02	0.86	0.00	-22.65	0.10	0.00	368.53
Jun-2008	8.7	0.73	0	0.00	1.05	0.00	-26.10	0.01	0.00	367.48
Jul-2008	9.3	0.78	0	0.00	1.15	0.00	-27.90	0.00	0.00	366.33
Aug-2008	8.37	0.70	0.24	0.02	1.15	0.00	-24.39	0.00	0.00	365.18
Sep-2008	6.3	0.53	0.63	0.05	0.96	0.00	-17.01	0.00	0.00	364.23
Oct-2008	4.34	0.36	0.04	0.00	0.86	0.00	-12.90	0.00	0.00	363.37
Nov-2008	2.4	0.20	1.38	0.12	0.67	0.00	-3.06	0.00	0.00	362.70
Dec-2008	1.55	0.13	5.39	0.45	0.57	0.88	10.64	8.39	22.25	384.37
Jan-2009	1.55	0.13	0.08	0.01	0.57	0.00	-4.41	6.43	0.00	383.80
Feb-2009	2.52	0.21	2.56	0.21	0.48	0.07	0.05	6.45	0.40	383.72
Mar-2009	4.03	0.34	0	0.00	0.57	0.00	-12.09	3.48	0.00	383.14
Apr-2009	5.7	0.48	0.16	0.01	0.67	0.00	-16.62	0.60	0.00	382.47
May-2009	7.75	0.65	0	0.00	0.86	0.00	-23.25	0.10	0.00	381.61
Jun-2009	8.7	0.73	0	0.00	1.05	0.00	-26.10	0.01	0.00	380.56
Jul-2009	9.3	0.78	0.32	0.03	1.15	0.00	-26.94	0.00	0.00	379.41
Aug-2009	8.37	0.70	0	0.00	1.15	0.00	-25.11	0.00	0.00	378.27
Sep-2009	6.3	0.53	0	0.00	0.96	0.00	-18.90	0.00	0.00	377.31
Oct-2009	4.34	0.36	0.04	0.00	0.86	0.00	-12.90	0.00	0.00	376.45
Nov-2009	2.4	0.20	0.43	0.04	0.67	0.00	-5.91	0.00	0.00	375.78
Dec-2009	1.55	0.13	3.31	0.28	0.57	0.19	5.09	4.83	2.58	377.78
Jan-2010	1.55	0.13	5.75	0.48	0.57	1.06	11.54	10.25	67.70	386.92
Feb-2010	2.52	0.21	2.76	0.23	0.48	0.10	0.62	10.25	7.48	386.92
Mar-2010	4.03	0.34	1.18	0.10	0.57	0.00	-8.55	10.25	0.00	386.35
Apr-2010	5.7	0.48	1.46	0.12	0.67	0.00	-12.72	3.41	0.00	385.68
May-2010	7.75	0.65	0	0.00	0.86	0.00	-23.25	0.57	0.00	384.82
Jun-2010	8.7	0.73	0	0.00	1.05	0.00	-26.10	0.08	0.00	383.77
Jul-2010	9.3	0.78	0.04	0.00	1.15	0.00	-27.78	0.01	0.00	382.62
Aug-2010	8.37	0.70	0	0.00	1.15	0.00	-25.11	0.00	0.00	381.47
Sep-2010	6.3	0.53	0	0.00	0.96	0.00	-18.90	0.00	0.00	380.51
Oct-2010	4.34	0.36	4.1	0.34	0.86	0.38	-1.10	0.00	0.00	379.65
Nov-2010	2.4	0.20	0.83	0.07	0.67	0.00	-4.71	0.00	0.00	378.99
Dec-2010	1.55	0.13	4.1	0.34	0.57	0.38	7.27	6.23	10.30	386.92
Jan-2011	1.55	0.13	0.47	0.04	0.57	0.00	-3.24	5.20	0.00	386.35
Feb-2011	2.52	0.21	4.52	0.38	0.48	0.52	5.48	8.71	19.53	386.92
Mar-2011	4.03	0.34	1.65	0.14	0.57	0.00	-7.14	5.69	0.00	386.35
Apr-2011	5.7	0.48	0.24	0.02	0.67	0.00	-16.38	1.25	0.00	385.68
May-2011	7.75	0.65	0.71	0.06	0.86	0.00	-21.12	0.24	0.00	384.82
Jun-2011	8.7	0.73	0.16	0.01	1.05	0.00	-25.62	0.03	0.00	383.77
Jul-2011	9.3	0.78	0.55	0.05	1.15	0.00	-26.25	0.00	0.00	382.62
Aug-2011	8.37	0.70	0.34	0.03	1.15	0.00	-24.09	0.00	0.00	381.47
Sep-2011	6.3	0.53	0	0.00	0.96	0.00	-18.90	0.00	0.00	380.51
Oct-2011	4.34	0.36	0.5	0.04	0.86	0.00	-11.52	0.00	0.00	379.65
Nov-2011	2.4	0.20	2.71	0.23	0.67	0.09	0.84	0.84	0.00	378.99
Dec-2011	1.55	0.13	1.95	0.16	0.57	0.02	1.18	2.02	0.00	378.41

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Jan-2012	1.55	0.13	0.77	0.06	0.57	0.00	-2.34	1.52	0.00	377.84
Feb-2012	2.52	0.21	1.26	0.11	0.48	0.00	-3.78	1.00	0.00	377.36
Mar-2012	4.03	0.34	1.87	0.16	0.57	0.01	-6.49	0.55	0.00	376.79
Apr-2012	5.7	0.48	1.77	0.15	0.67	0.01	-11.80	0.21	0.00	376.12
May-2012	7.75	0.65	0	0.00	0.86	0.00	-23.25	0.04	0.00	375.26
Jun-2012	8.7	0.73	0	0.00	1.05	0.00	-26.10	0.00	0.00	374.21

Time	INPUT					OUTPUT				
	Monthly Avg. Reference ET (inches)	Monthly Avg. Reference ET (feet)	Mean Precip (inches)	Mean Precip (feet)	Water Demand (AF)	Runoff (in)	P- (PET+RO) (in)	Soil Moisture (in)	Recharge (AF)	Storage (AF)
Jul-1982	9.3	0.78	0.3276	0.03	3.25	0.00	-26.92	10.25	0.00	383.67
Aug-1982	8.37	0.70	0.5577	0.05	3.25	0.00	-23.44	1.48	0.00	380.43
Sep-1982	6.3	0.53	0.3705	0.03	2.66	0.00	-17.79	0.38	0.00	377.77
Oct-1982	4.34	0.36	0.1287	0.01	2.56	0.00	-12.63	0.15	0.00	375.21
Nov-1982	2.4	0.20	4.3797	0.36	2.37	0.47	5.47	5.16	4.53	377.37
Dec-1982	1.55	0.13	3.4125	0.28	2.17	0.21	5.38	8.68	18.45	386.92
Jan-1983	1.55	0.13	2.2113	0.18	0.57	0.04	1.95	9.90	7.32	386.92
Feb-1983	2.52	0.21	4.7736	0.40	0.48	0.61	6.15	10.25	70.37	386.92
Mar-1983	4.03	0.34	9.828	0.82	1.07	3.94	13.45	10.25	165.16	386.92
Apr-1983	5.7	0.48	2.2074	0.18	2.47	0.04	-10.51	10.25	0.00	384.45
May-1983	7.75	0.65	0.1911	0.02	1.96	0.00	-22.68	1.57	0.00	382.49
Jun-1983	8.7	0.73	0	0.00	2.45	0.00	-26.10	0.21	0.00	380.04
Jul-1983	9.3	0.78	0.0117	0.00	2.55	0.00	-27.86	0.03	0.00	377.49
Aug-1983	8.37	0.70	4.017	0.33	1.15	0.35	-13.41	0.01	0.00	376.34
Sep-1983	6.3	0.53	0.6708	0.06	0.96	0.00	-16.89	0.00	0.00	375.39
Oct-1983	4.34	0.36	1.1505	0.10	0.86	0.00	-9.57	0.00	0.00	374.53
Nov-1983	2.4	0.20	2.4258	0.20	0.67	0.06	0.02	0.05	0.00	373.86
Dec-1983	1.55	0.13	0.9867	0.08	0.57	0.00	-1.69	0.04	0.00	373.29
Jan-1984	1.55	0.13	0.117	0.01	0.57	0.00	-4.30	0.02	0.00	372.71
Feb-1984	2.52	0.21	0	0.00	0.48	0.00	-7.56	0.01	0.00	372.23
Mar-1984	4.03	0.34	0.039	0.00	0.57	0.00	-11.97	0.00	0.00	371.66
Apr-1984	5.7	0.48	0.2379	0.02	0.67	0.00	-16.39	0.00	0.00	370.99
May-1984	7.75	0.65	0	0.00	0.86	0.00	-23.25	0.00	0.00	370.13
Jun-1984	8.7	0.73	0.546	0.05	1.05	0.00	-24.46	0.00	0.00	369.08
Jul-1984	9.3	0.78	1.4937	0.12	1.15	0.00	-23.42	0.00	0.00	367.93
Aug-1984	8.37	0.70	2.2737	0.19	1.15	0.04	-18.33	0.00	0.00	366.78
Sep-1984	6.3	0.53	0.663	0.06	0.96	0.00	-16.91	0.00	0.00	365.83
Oct-1984	4.34	0.36	0.1794	0.01	0.86	0.00	-12.48	0.00	0.00	364.97
Nov-1984	2.4	0.20	1.4157	0.12	0.67	0.00	-2.95	0.00	0.00	364.30
Dec-1984	1.55	0.13	4.2159	0.35	0.57	0.41	7.59	6.43	11.40	375.13
Jan-1985	1.55	0.13	1.5756	0.13	0.57	0.00	0.08	6.48	0.25	374.81
Feb-1985	2.52	0.21	1.4508	0.12	0.48	0.00	-3.21	5.40	0.00	374.33
Mar-1985	4.03	0.34	0.2652	0.02	0.57	0.00	-11.29	1.78	0.00	373.76
Apr-1985	5.7	0.48	0.039	0.00	0.67	0.00	-16.98	0.46	0.00	373.09
May-1985	7.75	0.65	0.0897	0.01	0.86	0.00	-22.98	0.08	0.00	372.23
Jun-1985	8.7	0.73	1.7199	0.14	1.05	0.00	-20.95	0.02	0.00	371.18
Jul-1985	9.3	0.78	0	0.00	1.15	0.00	-27.90	0.00	0.00	370.03
Aug-1985	8.37	0.70	0.3315	0.03	1.15	0.00	-24.12	0.00	0.00	368.88
Sep-1985	6.3	0.53	0.6825	0.06	0.96	0.00	-16.85	0.00	0.00	367.93
Oct-1985	4.34	0.36	4.4928	0.37	0.86	0.51	-0.05	0.25	0.00	367.07
Nov-1985	2.4	0.20	1.7472	0.15	0.67	0.01	-1.96	0.19	0.00	366.40

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Dec-1985	1.55	0.13	0	0.00	0.57	0.00	-4.65	0.11	0.00	365.82
Jan-1986	1.55	0.13	0.7449	0.06	0.57	0.00	-2.42	0.08	0.00	365.25
Feb-1986	2.52	0.21	3.4983	0.29	0.48	0.23	2.71	2.79	0.00	364.77
Mar-1986	4.03	0.34	3.4359	0.29	0.57	0.21	-2.00	2.21	0.00	364.20
Apr-1986	5.7	0.48	0.2769	0.02	0.67	0.00	-16.27	0.47	0.00	363.53
May-1986	7.75	0.65	0.0117	0.00	0.86	0.00	-23.21	0.08	0.00	362.67
Jun-1986	8.7	0.73	0	0.00	1.05	0.00	-26.10	0.01	0.00	361.62
Jul-1986	9.3	0.78	0.3471	0.03	1.15	0.00	-26.86	0.00	0.00	360.47
Aug-1986	8.37	0.70	0.0585	0.00	1.15	0.00	-24.93	0.00	0.00	359.32
Sep-1986	6.3	0.53	1.3065	0.11	0.96	0.00	-14.98	0.00	0.00	358.37
Oct-1986	4.34	0.36	2.0982	0.17	0.86	0.03	-6.75	0.00	0.00	357.51
Nov-1986	2.4	0.20	0.5655	0.05	0.67	0.00	-5.50	0.00	0.00	356.84
Dec-1986	1.55	0.13	0.7137	0.06	0.57	0.00	-2.51	0.00	0.00	356.26
Jan-1987	1.55	0.13	1.6419	0.14	0.57	0.00	0.27	0.27	0.00	355.69
Feb-1987	2.52	0.21	2.5311	0.21	0.48	0.07	-0.04	0.29	0.00	355.21
Mar-1987	4.03	0.34	2.5545	0.21	0.57	0.07	-4.50	0.17	0.00	354.64
Apr-1987	5.7	0.48	0.195	0.02	0.67	0.00	-16.52	0.04	0.00	353.97
May-1987	7.75	0.65	0.0819	0.01	0.86	0.00	-23.00	0.01	0.00	353.11
Jun-1987	8.7	0.73	0.0117	0.00	1.05	0.00	-26.06	0.00	0.00	352.06
Jul-1987	9.3	0.78	0	0.00	1.15	0.00	-27.90	0.00	0.00	350.91
Aug-1987	8.37	0.70	0.6435	0.05	1.15	0.00	-23.18	0.00	0.00	349.76
Sep-1987	6.3	0.53	0.4758	0.04	0.96	0.00	-17.47	0.00	0.00	348.81
Oct-1987	4.34	0.36	3.1005	0.26	0.86	0.15	-3.87	0.00	0.00	347.95
Nov-1987	2.4	0.20	2.457	0.20	0.67	0.06	0.11	0.11	0.00	347.28
Dec-1987	1.55	0.13	1.8057	0.15	0.57	0.01	0.76	0.87	0.00	346.70
Jan-1988	1.55	0.13	3.4593	0.29	0.57	0.22	5.51	5.66	7.15	353.28
Feb-1988	2.52	0.21	1.9266	0.16	0.48	0.01	-1.80	7.68	0.00	352.81
Mar-1988	4.03	0.34	0.7137	0.06	0.57	0.00	-9.95	3.09	0.00	352.23
Apr-1988	5.7	0.48	2.4609	0.21	0.67	0.06	-9.78	1.42	0.00	351.56
May-1988	7.75	0.65	0.3549	0.03	0.86	0.00	-22.19	0.26	0.00	350.70
Jun-1988	8.7	0.73	0	0.00	1.05	0.00	-26.10	0.04	0.00	349.65
Jul-1988	9.3	0.78	0.0234	0.00	1.15	0.00	-27.83	0.00	0.00	348.50
Aug-1988	8.37	0.70	1.6341	0.14	1.15	0.00	-20.21	0.00	0.00	347.36
Sep-1988	6.3	0.53	0	0.00	0.96	0.00	-18.90	0.00	0.00	346.40
Oct-1988	4.34	0.36	0	0.00	0.86	0.00	-13.02	0.00	0.00	345.54
Nov-1988	2.4	0.20	1.0725	0.09	0.67	0.00	-3.98	0.00	0.00	344.87
Dec-1988	1.55	0.13	2.0982	0.17	0.57	0.03	1.62	1.62	0.00	344.30
Jan-1989	1.55	0.13	1.0452	0.09	0.57	0.00	-1.51	1.34	0.00	343.72
Feb-1989	2.52	0.21	1.1739	0.10	0.48	0.00	-4.04	0.86	0.00	343.25
Mar-1989	4.03	0.34	1.6341	0.14	0.57	0.00	-7.19	0.44	0.00	342.67
Apr-1989	5.7	0.48	0.2067	0.02	0.67	0.00	-16.48	0.12	0.00	342.00
May-1989	7.75	0.65	0.1287	0.01	0.86	0.00	-22.86	0.02	0.00	341.14
Jun-1989	8.7	0.73	0	0.00	1.05	0.00	-26.10	0.00	0.00	340.09
Jul-1989	9.3	0.78	0	0.00	1.15	0.00	-27.90	0.00	0.00	338.94
Aug-1989	8.37	0.70	0	0.00	1.15	0.00	-25.11	0.00	0.00	337.80
Sep-1989	6.3	0.53	0.1677	0.01	0.96	0.00	-18.40	0.00	0.00	336.84
Oct-1989	4.34	0.36	0.3549	0.03	0.86	0.00	-11.96	0.00	0.00	335.98

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Nov-1989	2.4	0.20	0.0312	0.00	0.67	0.00	-7.11	0.00	0.00	335.31
Dec-1989	1.55	0.13	0.2886	0.02	0.57	0.00	-3.78	0.00	0.00	334.74
Jan-1990	1.55	0.13	3.0342	0.25	0.57	0.14	4.31	4.31	0.00	334.16
Feb-1990	2.52	0.21	1.7589	0.15	0.48	0.01	-2.29	3.27	0.00	333.69
Mar-1990	4.03	0.34	0.6903	0.06	0.57	0.00	-10.02	1.20	0.00	333.11
Apr-1990	5.7	0.48	0.9789	0.08	0.67	0.00	-14.16	0.38	0.00	332.44
May-1990	7.75	0.65	0.2262	0.02	0.86	0.00	-22.57	0.07	0.00	331.58
Jun-1990	8.7	0.73	0.2184	0.02	1.05	0.00	-25.44	0.01	0.00	330.53
Jul-1990	9.3	0.78	0.1092	0.01	1.15	0.00	-27.57	0.00	0.00	329.38
Aug-1990	8.37	0.70	0.1794	0.01	1.15	0.00	-24.57	0.00	0.00	328.24
Sep-1990	6.3	0.53	0.6162	0.05	0.96	0.00	-17.05	0.00	0.00	327.28
Oct-1990	4.34	0.36	0.039	0.00	0.86	0.00	-12.90	0.00	0.00	326.42
Nov-1990	2.4	0.20	0.5538	0.05	0.67	0.00	-5.54	0.00	0.00	325.75
Dec-1990	1.55	0.13	1.287	0.11	0.57	0.00	-0.79	0.00	0.00	325.18
Jan-1991	1.55	0.13	1.3377	0.11	0.57	0.00	-0.64	0.00	0.00	324.60
Feb-1991	2.52	0.21	2.2113	0.18	0.48	0.04	-0.96	0.00	0.00	324.13
Mar-1991	4.03	0.34	12.0627	1.01	0.57	5.99	18.11	10.25	85.95	386.92
Apr-1991	5.7	0.48	0.0507	0.00	0.67	0.00	-16.95	10.25	0.00	386.25
May-1991	7.75	0.65	0	0.00	0.86	0.00	-23.25	1.50	0.00	385.39
Jun-1991	8.7	0.73	0	0.00	1.05	0.00	-26.10	0.20	0.00	384.34
Jul-1991	9.3	0.78	0.6123	0.05	1.15	0.00	-26.06	0.03	0.00	383.19
Aug-1991	8.37	0.70	0	0.00	1.15	0.00	-25.11	0.00	0.00	382.04
Sep-1991	6.3	0.53	0.351	0.03	0.96	0.00	-17.85	0.00	0.00	381.09
Oct-1991	4.34	0.36	0.5772	0.05	0.86	0.00	-11.29	0.00	0.00	380.23
Nov-1991	2.4	0.20	0.2964	0.02	0.67	0.00	-6.31	0.00	0.00	379.56
Dec-1991	1.55	0.13	2.8002	0.23	0.57	0.11	3.64	3.64	0.00	378.99
Jan-1992	1.55	0.13	2.6832	0.22	0.57	0.09	3.31	6.07	8.75	386.92
Feb-1992	2.52	0.21	5.0037	0.42	0.48	0.71	6.74	10.09	27.64	386.92
Mar-1992	4.03	0.34	4.8867	0.41	0.57	0.66	1.91	10.25	19.76	386.92
Apr-1992	5.7	0.48	0.6747	0.06	0.67	0.00	-15.08	10.25	0.00	386.25
May-1992	7.75	0.65	0.2262	0.02	0.86	0.00	-22.57	1.58	0.00	385.39
Jun-1992	8.7	0.73	0	0.00	1.05	0.00	-26.10	0.22	0.00	384.34
Jul-1992	9.3	0.78	0.7449	0.06	1.15	0.00	-25.67	0.03	0.00	383.19
Aug-1992	8.37	0.70	2.028	0.17	1.15	0.02	-19.05	0.01	0.00	382.04
Sep-1992	6.3	0.53	0	0.00	0.96	0.00	-18.90	0.00	0.00	381.09
Oct-1992	4.34	0.36	0.2379	0.02	0.96	0.00	-12.31	0.00	0.00	380.13
Nov-1992	2.4	0.20	0.0585	0.00	0.67	0.00	-7.02	0.00	0.00	379.46
Dec-1992	1.55	0.13	3.9975	0.33	0.57	0.35	7.00	6.06	9.31	386.92
Jan-1993	1.55	0.13	18.4392	1.54	0.57	12.87	37.79	10.25	410.23	386.92
Feb-1993	2.52	0.21	6.4506	0.54	0.48	1.46	10.34	10.25	127.88	386.92
Mar-1993	4.03	0.34	1.5132	0.13	0.57	0.00	-7.55	10.25	0.00	386.35
Apr-1993	5.7	0.48	0	0.00	0.67	0.00	-17.10	2.41	0.00	385.68
May-1993	7.75	0.65	0.117	0.01	0.86	0.00	-22.90	0.42	0.00	384.82
Jun-1993	8.7	0.73	0.1599	0.01	1.05	0.00	-25.62	0.06	0.00	383.77
Jul-1993	9.3	0.78	0	0.00	1.15	0.00	-27.90	0.01	0.00	382.62
Aug-1993	8.37	0.70	0	0.00	1.15	0.00	-25.11	0.00	0.00	381.47
Sep-1993	6.3	0.53	0	0.00	0.96	0.00	-18.90	0.00	0.00	380.51

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Oct-1993	4.34	0.36	0.2964	0.02	0.86	0.00	-12.13	0.00	0.00	379.65
Nov-1993	2.4	0.20	1.4781	0.12	0.67	0.00	-2.77	0.00	0.00	378.99
Dec-1993	1.55	0.13	1.1505	0.10	0.57	0.00	-1.20	0.00	0.00	378.41
Jan-1994	1.55	0.13	1.6848	0.14	0.57	0.00	0.40	0.40	0.00	377.84
Feb-1994	2.52	0.21	4.1067	0.34	0.48	0.38	4.38	4.57	2.09	379.45
Mar-1994	4.03	0.34	3.1122	0.26	0.57	0.16	-2.91	3.95	0.00	378.87
Apr-1994	5.7	0.48	1.3377	0.11	0.67	0.00	-13.09	0.99	0.00	378.20
May-1994	7.75	0.65	0	0.00	0.86	0.00	-23.25	0.16	0.00	377.34
Jun-1994	8.7	0.73	0	0.00	1.05	0.00	-26.10	0.02	0.00	376.29
Jul-1994	9.3	0.78	0	0.00	1.15	0.00	-27.90	0.00	0.00	375.14
Aug-1994	8.37	0.70	1.2051	0.10	1.15	0.00	-21.49	0.00	0.00	374.00
Sep-1994	6.3	0.53	0	0.00	0.96	0.00	-18.90	0.00	0.00	373.04
Oct-1994	4.34	0.36	0.1911	0.02	0.86	0.00	-12.45	0.00	0.00	372.18
Nov-1994	2.4	0.20	0.6786	0.06	0.67	0.00	-5.16	0.00	0.00	371.51
Dec-1994	1.55	0.13	0.9633	0.08	0.57	0.00	-1.76	0.00	0.00	370.94
Jan-1995	1.55	0.13	10.0269	0.84	0.57	4.12	21.31	10.25	127.57	386.92
Feb-1995	2.52	0.21	3.2487	0.27	0.48	0.18	2.01	10.25	24.75	386.92
Mar-1995	4.03	0.34	6.5637	0.55	0.57	1.52	6.08	10.25	73.96	386.92
Apr-1995	5.7	0.48	1.248	0.10	0.67	0.00	-13.36	10.25	0.00	386.25
May-1995	7.75	0.65	1.092	0.09	0.86	0.00	-19.97	1.93	0.00	385.39
Jun-1995	8.7	0.73	0.4758	0.04	1.05	0.00	-24.67	0.29	0.00	384.34
Jul-1995	9.3	0.78	0.0585	0.00	1.15	0.00	-27.72	0.04	0.00	383.19
Aug-1995	8.37	0.70	0.6357	0.05	1.15	0.00	-23.20	0.01	0.00	382.04
Sep-1995	6.3	0.53	0.2808	0.02	0.96	0.00	-18.06	0.00	0.00	381.09
Oct-1995	4.34	0.36	0	0.00	0.86	0.00	-13.02	0.00	0.00	380.23
Nov-1995	2.4	0.20	0.078	0.01	0.67	0.00	-6.97	0.00	0.00	379.56
Dec-1995	1.55	0.13	0.5655	0.05	0.57	0.00	-2.95	0.00	0.00	378.99
Jan-1996	1.55	0.13	1.5249	0.13	0.57	0.00	-0.08	0.00	0.00	378.41
Feb-1996	2.52	0.21	3.1746	0.26	0.48	0.17	1.80	1.80	0.00	377.93
Mar-1996	4.03	0.34	2.73	0.23	0.57	0.10	-4.00	1.12	0.00	377.36
Apr-1996	5.7	0.48	0.5265	0.04	0.67	0.00	-15.52	0.27	0.00	376.69
May-1996	7.75	0.65	0.0702	0.01	0.86	0.00	-23.04	0.05	0.00	375.83
Jun-1996	8.7	0.73	0	0.00	1.05	0.00	-26.10	0.01	0.00	374.78
Jul-1996	9.3	0.78	0	0.00	1.15	0.00	-27.90	0.00	0.00	373.63
Aug-1996	8.37	0.70	0.0702	0.01	1.15	0.00	-24.90	0.00	0.00	372.48
Sep-1996	6.3	0.53	0.0312	0.00	0.96	0.00	-18.81	0.00	0.00	371.53
Oct-1996	4.34	0.36	1.5405	0.13	0.86	0.00	-8.40	0.00	0.00	370.67
Nov-1996	2.4	0.20	0.9126	0.08	0.67	0.00	-4.46	0.00	0.00	370.00
Dec-1996	1.55	0.13	1.9656	0.16	0.57	0.02	1.23	1.23	0.00	369.43
Jan-1997	1.55	0.13	4.2939	0.36	0.57	0.44	7.79	7.38	16.26	385.11
Feb-1997	2.52	0.21	1.5132	0.13	0.48	0.00	-3.02	6.17	0.00	384.64
Mar-1997	4.03	0.34	0.0195	0.00	0.57	0.00	-12.03	1.98	0.00	384.06
Apr-1997	5.7	0.48	0.2184	0.02	0.67	0.00	-16.44	0.54	0.00	383.39
May-1997	7.75	0.65	0	0.00	0.86	0.00	-23.25	0.09	0.00	382.53
Jun-1997	8.7	0.73	0.0702	0.01	1.05	0.00	-25.89	0.01	0.00	381.48
Jul-1997	9.3	0.78	1.9149	0.16	1.15	0.01	-22.17	0.00	0.00	380.33
Aug-1997	8.37	0.70	0.1599	0.01	1.15	0.00	-24.63	0.00	0.00	379.19

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Sep-1997	6.3	0.53	1.7433	0.15	0.96	0.01	-13.68	0.00	0.00	378.23
Oct-1997	4.34	0.36	4.1691	0.35	0.86	0.40	-0.91	0.00	0.00	377.37
Nov-1997	2.4	0.20	0	0.00	0.67	0.00	-7.20	0.00	0.00	376.70
Dec-1997	1.55	0.13	0	0.00	0.57	0.00	-4.65	0.00	0.00	376.13
Jan-1998	1.55	0.13	1.5912	0.13	0.57	0.00	0.12	0.12	0.00	375.55
Feb-1998	2.52	0.21	10.2726	0.86	0.48	4.33	18.93	10.25	98.78	386.92
Mar-1998	4.03	0.34	4.3563	0.36	0.57	0.46	0.52	10.25	6.65	386.92
Apr-1998	5.7	0.48	2.1723	0.18	0.67	0.03	-10.62	7.84	0.00	386.25
May-1998	7.75	0.65	1.1583	0.10	0.86	0.00	-19.78	1.45	0.00	385.39
Jun-1998	8.7	0.73	0.0234	0.00	1.05	0.00	-26.03	0.20	0.00	384.34
Jul-1998	9.3	0.78	0.1014	0.01	1.15	0.00	-27.60	0.03	0.00	383.19
Aug-1998	8.37	0.70	0.1989	0.02	1.15	0.00	-24.51	0.00	0.00	382.04
Sep-1998	6.3	0.53	0.1989	0.02	0.96	0.00	-18.30	0.00	0.00	381.09
Oct-1998	4.34	0.36	0.0351	0.00	0.86	0.00	-12.91	0.00	0.00	380.23
Nov-1998	2.4	0.20	1.1583	0.10	0.67	0.00	-3.73	0.00	0.00	379.56
Dec-1998	1.55	0.13	1.4079	0.12	0.57	0.00	-0.43	0.00	0.00	378.99
Jan-1999	1.55	0.13	1.6458	0.14	0.57	0.00	0.28	0.29	0.00	378.41
Feb-1999	2.52	0.21	0.8229	0.07	0.48	0.00	-5.09	0.16	0.00	377.93
Mar-1999	4.03	0.34	0.6201	0.05	0.57	0.00	-10.23	0.06	0.00	377.36
Apr-1999	5.7	0.48	3.2799	0.27	0.67	0.18	-7.45	0.03	0.00	376.69
May-1999	7.75	0.65	0	0.00	0.86	0.00	-23.25	0.01	0.00	375.83
Jun-1999	8.7	0.73	0.4563	0.04	1.05	0.00	-24.73	0.00	0.00	374.78
Jul-1999	9.3	0.78	0.3588	0.03	1.15	0.00	-26.82	0.00	0.00	373.63
Aug-1999	8.37	0.70	0	0.00	1.15	0.00	-25.11	0.00	0.00	372.48
Sep-1999	6.3	0.53	0.1365	0.01	0.96	0.00	-18.49	0.00	0.00	371.53
Oct-1999	4.34	0.36	0	0.00	0.86	0.00	-13.02	0.00	0.00	370.67
Nov-1999	2.4	0.20	0	0.00	0.67	0.00	-7.20	0.00	0.00	370.00
Dec-1999	1.55	0.13	0.2067	0.02	0.57	0.00	-4.03	0.00	0.00	369.43
Jan-2000	1.55	0.13	0.741	0.06	0.57	0.00	-2.43	0.00	0.00	368.85
Feb-2000	2.52	0.21	4.1652	0.35	0.48	0.40	4.54	4.41	1.31	369.68
Mar-2000	4.03	0.34	1.4586	0.12	0.57	0.00	-7.71	3.12	0.00	369.11
Apr-2000	5.7	0.48	0.4563	0.04	0.67	0.00	-15.73	0.54	0.00	368.44
May-2000	7.75	0.65	0	0.00	0.86	0.00	-23.25	0.08	0.00	367.58
Jun-2000	8.7	0.73	0.2067	0.02	1.05	0.00	-25.48	0.01	0.00	366.53
Jul-2000	9.3	0.78	0	0.00	1.15	0.00	-27.90	0.00	0.00	365.38
Aug-2000	8.37	0.70	0.1287	0.01	1.15	0.00	-24.72	0.00	0.00	364.23
Sep-2000	6.3	0.53	0.2964	0.02	0.96	0.00	-18.01	0.00	0.00	363.28
Oct-2000	4.34	0.36	0.6396	0.05	0.86	0.00	-11.10	0.00	0.00	362.42
Nov-2000	2.4	0.20	0.3861	0.03	0.67	0.00	-6.04	0.00	0.00	361.75
Dec-2000	1.55	0.13	0.039	0.00	0.57	0.00	-4.53	0.00	0.00	361.18
Jan-2001	1.55	0.13	2.8977	0.24	0.57	0.12	3.92	3.92	0.00	360.60
Feb-2001	2.52	0.21	4.0833	0.34	0.48	0.37	4.32	6.84	13.88	374.00
Mar-2001	4.03	0.34	1.7472	0.15	0.57	0.01	-6.85	7.50	0.00	373.43
Apr-2001	5.7	0.48	1.443	0.12	0.67	0.00	-12.77	2.33	0.00	372.76
May-2001	7.75	0.65	0.0312	0.00	0.86	0.00	-23.16	0.38	0.00	371.90
Jun-2001	8.7	0.73	0	0.00	1.05	0.00	-26.10	0.05	0.00	370.85
Jul-2001	9.3	0.78	0.1209	0.01	1.15	0.00	-27.54	0.01	0.00	369.70

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Aug-2001	8.37	0.70	0	0.00	1.15	0.00	-25.11	0.00	0.00	368.55
Sep-2001	6.3	0.53	0.2379	0.02	0.96	0.00	-18.19	0.00	0.00	367.60
Oct-2001	4.34	0.36	0	0.00	0.86	0.00	-13.02	0.00	0.00	366.74
Nov-2001	2.4	0.20	1.0998	0.09	0.67	0.00	-3.90	0.00	0.00	366.07
Dec-2001	1.55	0.13	1.0101	0.08	0.57	0.00	-1.62	0.00	0.00	365.50
Jan-2002	1.55	0.13	0.3978	0.03	0.57	0.00	-3.46	0.00	0.00	364.92
Feb-2002	2.52	0.21	0.1209	0.01	0.48	0.00	-7.20	0.00	0.00	364.44
Mar-2002	4.03	0.34	1.1115	0.09	0.57	0.00	-8.76	0.00	0.00	363.87
Apr-2002	5.7	0.48	0.3861	0.03	0.67	0.00	-15.94	0.00	0.00	363.20
May-2002	7.75	0.65	0	0.00	0.86	0.00	-23.25	0.00	0.00	362.34
Jun-2002	8.7	0.73	0	0.00	1.05	0.00	-26.10	0.00	0.00	361.29
Jul-2002	9.3	0.78	0.1872	0.02	1.15	0.00	-27.34	0.00	0.00	360.14
Aug-2002	8.37	0.70	0	0.00	1.15	0.00	-25.11	0.00	0.00	358.99
Sep-2002	6.3	0.53	1.1544	0.10	0.96	0.00	-15.44	0.00	0.00	358.04
Oct-2002	4.34	0.36	0.0117	0.00	0.86	0.00	-12.98	0.00	0.00	357.18
Nov-2002	2.4	0.20	1.0257	0.09	0.67	0.00	-4.12	0.00	0.00	356.51
Dec-2002	1.55	0.13	1.8408	0.15	0.57	0.01	0.86	0.86	0.00	355.94
Jan-2003	1.55	0.13	0.1794	0.01	0.57	0.00	-4.11	0.53	0.00	355.36
Feb-2003	2.52	0.21	4.0482	0.34	0.48	0.36	4.22	4.62	1.35	356.23
Mar-2003	4.03	0.34	2.1723	0.18	0.57	0.03	-5.61	3.54	0.00	355.66
Apr-2003	5.7	0.48	1.5444	0.13	0.67	0.00	-12.47	0.88	0.00	354.99
May-2003	7.75	0.65	0.9009	0.08	0.86	0.00	-20.55	0.17	0.00	354.13
Jun-2003	8.7	0.73	0	0.00	1.05	0.00	-26.10	0.02	0.00	353.07
Jul-2003	9.3	0.78	1.911	0.16	1.15	0.01	-22.18	0.00	0.00	351.93
Aug-2003	8.37	0.70	1.4742	0.12	1.15	0.00	-20.69	0.00	0.00	350.78
Sep-2003	6.3	0.53	0.3744	0.03	0.96	0.00	-17.78	0.00	0.00	349.82
Oct-2003	4.34	0.36	0	0.00	0.86	0.00	-13.02	0.00	0.00	348.96
Nov-2003	2.4	0.20	0.5499	0.05	0.67	0.00	-5.55	0.00	0.00	348.29
Dec-2003	1.55	0.13	1.2519	0.10	0.57	0.00	-0.89	0.00	0.00	347.72
Jan-2004	1.55	0.13	0.6747	0.06	0.57	0.00	-2.63	0.00	0.00	347.15
Feb-2004	2.52	0.21	4.4109	0.37	0.48	0.48	5.20	4.83	3.64	350.31
Mar-2004	4.03	0.34	0.6552	0.05	0.57	0.00	-10.12	3.04	0.00	349.73
Apr-2004	5.7	0.48	1.3182	0.11	0.67	0.00	-13.15	0.65	0.00	349.07
May-2004	7.75	0.65	0	0.00	0.86	0.00	-23.25	0.10	0.00	348.20
Jun-2004	8.7	0.73	0	0.00	1.05	0.00	-26.10	0.01	0.00	347.15
Jul-2004	9.3	0.78	0.1404	0.01	1.15	0.00	-27.48	0.00	0.00	346.01
Aug-2004	8.37	0.70	0.0117	0.00	1.15	0.00	-25.07	0.00	0.00	344.86
Sep-2004	6.3	0.53	0	0.00	0.96	0.00	-18.90	0.00	0.00	343.90
Oct-2004	4.34	0.36	8.5059	0.71	0.86	2.87	9.63	7.53	20.83	363.88
Nov-2004	2.4	0.20	1.0725	0.09	0.67	0.00	-3.98	5.96	0.00	363.21
Dec-2004	1.55	0.13	4.6956	0.39	0.57	0.58	8.85	10.25	48.77	386.92
Jan-2005	1.55	0.13	5.1207	0.43	0.57	0.76	9.95	10.25	123.93	386.92
Feb-2005	2.52	0.21	4.8477	0.40	0.48	0.64	6.34	10.25	78.45	386.92
Mar-2005	4.03	0.34	1.5834	0.13	0.57	0.00	-7.34	10.25	0.00	386.35
Apr-2005	5.7	0.48	0.5811	0.05	0.67	0.00	-15.36	2.77	0.00	385.68
May-2005	7.75	0.65	0.039	0.00	0.86	0.00	-23.13	0.47	0.00	384.82
Jun-2005	8.7	0.73	0	0.00	1.05	0.00	-26.10	0.06	0.00	383.77

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Jul-2005	9.3	0.78	0.4641	0.04	1.15	0.00	-26.51	0.01	0.00	382.62
Aug-2005	8.37	0.70	2.5077	0.21	1.15	0.07	-17.65	0.00	0.00	381.47
Sep-2005	6.3	0.53	0.0117	0.00	0.96	0.00	-18.86	0.00	0.00	380.51
Oct-2005	4.34	0.36	0.6123	0.05	0.86	0.00	-11.18	0.00	0.00	379.65
Nov-2005	2.4	0.20	0.1092	0.01	0.67	0.00	-6.87	0.00	0.00	378.99
Dec-2005	1.55	0.13	0	0.00	0.57	0.00	-4.65	0.00	0.00	378.41
Jan-2006	1.55	0.13	0.975	0.08	0.57	0.00	-1.73	0.00	0.00	377.84
Feb-2006	2.52	0.21	1.287	0.11	0.48	0.00	-3.70	0.00	0.00	377.36
Mar-2006	4.03	0.34	3.3384	0.28	0.57	0.20	-2.27	0.00	0.00	376.79
Apr-2006	5.7	0.48	2.2308	0.19	0.67	0.04	-10.45	0.00	0.00	376.12
May-2006	7.75	0.65	0.2184	0.02	0.86	0.00	-22.59	0.00	0.00	375.26
Jun-2006	8.7	0.73	0.156	0.01	1.05	0.00	-25.63	0.00	0.00	374.21
Jul-2006	9.3	0.78	0.5187	0.04	1.15	0.00	-26.34	0.00	0.00	373.06
Aug-2006	8.37	0.70	0.0312	0.00	1.15	0.00	-25.02	0.00	0.00	371.91
Sep-2006	6.3	0.53	0.0702	0.01	0.96	0.00	-18.69	0.00	0.00	370.95
Oct-2006	4.34	0.36	0.3588	0.03	0.86	0.00	-11.94	0.00	0.00	370.09
Nov-2006	2.4	0.20	0.1677	0.01	0.67	0.00	-6.70	0.00	0.00	369.43
Dec-2006	1.55	0.13	1.1817	0.10	0.57	0.00	-1.10	0.00	0.00	368.85
Jan-2007	1.55	0.13	0.741	0.06	0.57	0.00	-2.43	0.00	0.00	368.28
Feb-2007	2.52	0.21	3.0537	0.25	0.48	0.15	1.46	1.46	0.00	367.80
Mar-2007	4.03	0.34	0.2184	0.02	0.57	0.00	-11.43	0.43	0.00	367.23
Apr-2007	5.7	0.48	0.7605	0.06	0.67	0.00	-14.82	0.13	0.00	366.56
May-2007	7.75	0.65	0.039	0.00	0.86	0.00	-23.13	0.02	0.00	365.70
Jun-2007	8.7	0.73	0	0.00	1.05	0.00	-26.10	0.00	0.00	364.65
Jul-2007	9.3	0.78	0.1794	0.01	1.15	0.00	-27.36	0.00	0.00	363.50
Aug-2007	8.37	0.70	0.1287	0.01	1.15	0.00	-24.72	0.00	0.00	362.35
Sep-2007	6.3	0.53	0.0117	0.00	0.96	0.00	-18.86	0.00	0.00	361.39
Oct-2007	4.34	0.36	0.1677	0.01	0.86	0.00	-12.52	0.00	0.00	360.53
Nov-2007	2.4	0.20	0.3198	0.03	0.67	0.00	-6.24	0.00	0.00	359.87
Dec-2007	1.55	0.13	2.6559	0.22	0.57	0.09	3.23	3.23	0.00	359.29
Jan-2008	1.55	0.13	7.2228	0.60	0.57	1.94	15.07	10.25	90.91	386.92
Feb-2008	2.52	0.21	2.8548	0.24	0.48	0.11	0.89	10.25	10.85	386.92
Mar-2008	4.03	0.34	0.507	0.04	0.57	0.00	-10.57	10.25	0.00	386.35
Apr-2008	5.7	0.48	0	0.00	0.67	0.00	-17.10	2.41	0.00	385.68
May-2008	7.75	0.65	0.2574	0.02	0.86	0.00	-22.48	0.43	0.00	384.82
Jun-2008	8.7	0.73	0	0.00	1.05	0.00	-26.10	0.06	0.00	383.77
Jul-2008	9.3	0.78	0	0.00	1.15	0.00	-27.90	0.01	0.00	382.62
Aug-2008	8.37	0.70	1.3377	0.11	1.15	0.00	-21.10	0.00	0.00	381.47
Sep-2008	6.3	0.53	0	0.00	0.96	0.00	-18.90	0.00	0.00	380.51
Oct-2008	4.34	0.36	0	0.00	0.86	0.00	-13.02	0.00	0.00	379.65
Nov-2008	2.4	0.20	1.7862	0.15	0.67	0.01	-1.85	0.00	0.00	378.99
Dec-2008	1.55	0.13	6.1464	0.51	0.57	1.28	12.51	9.59	28.92	386.92
Jan-2009	1.55	0.13	0.1989	0.02	0.57	0.00	-4.05	7.45	0.00	386.35
Feb-2009	2.52	0.21	3.6621	0.31	0.48	0.26	3.17	9.47	11.31	386.92
Mar-2009	4.03	0.34	0.0897	0.01	0.57	0.00	-11.82	4.75	0.00	386.35
Apr-2009	5.7	0.48	0.2379	0.02	0.67	0.00	-16.39	0.97	0.00	385.68
May-2009	7.75	0.65	0	0.00	0.86	0.00	-23.25	0.16	0.00	384.82

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Jun-2009	8.7	0.73	0.0312	0.00	1.05	0.00	-26.01	0.02	0.00	383.77
Jul-2009	9.3	0.78	0	0.00	1.15	0.00	-27.90	0.00	0.00	382.62
Aug-2009	8.37	0.70	0	0.00	1.15	0.00	-25.11	0.00	0.00	381.47
Sep-2009	6.3	0.53	0.0312	0.00	0.96	0.00	-18.81	0.00	0.00	380.51
Oct-2009	4.34	0.36	0.0312	0.00	0.86	0.00	-12.93	0.00	0.00	379.65
Nov-2009	2.4	0.20	0.6942	0.06	0.67	0.00	-5.12	0.00	0.00	378.99
Dec-2009	1.55	0.13	4.8204	0.40	0.57	0.63	9.18	7.46	17.07	386.92
Jan-2010	1.55	0.13	6.5403	0.55	0.57	1.51	13.46	10.25	127.70	386.92
Feb-2010	2.52	0.21	5.0817	0.42	0.48	0.74	6.94	10.25	85.90	386.92
Mar-2010	4.03	0.34	1.3572	0.11	0.57	0.00	-8.02	10.25	0.00	386.35
Apr-2010	5.7	0.48	2.3361	0.19	0.67	0.05	-10.14	4.19	0.00	385.68
May-2010	7.75	0.65	0	0.00	0.86	0.00	-23.25	0.69	0.00	384.82
Jun-2010	8.7	0.73	0	0.00	1.05	0.00	-26.10	0.09	0.00	383.77
Jul-2010	9.3	0.78	0.0702	0.01	1.15	0.00	-27.69	0.01	0.00	382.62
Aug-2010	8.37	0.70	0	0.00	1.15	0.00	-25.11	0.00	0.00	381.47
Sep-2010	6.3	0.53	0.078	0.01	0.96	0.00	-18.67	0.00	0.00	380.51
Oct-2010	4.34	0.36	3.198	0.27	0.86	0.17	-3.60	0.00	0.00	379.65
Nov-2010	2.4	0.20	1.1778	0.10	0.67	0.00	-3.67	0.00	0.00	378.99
Dec-2010	1.55	0.13	8.1471	0.68	0.57	2.60	17.19	10.25	76.57	386.92
Jan-2011	1.55	0.13	0.2379	0.02	0.57	0.00	-3.94	10.25	0.00	386.35
Feb-2011	2.52	0.21	4.8867	0.41	0.48	0.66	6.44	10.25	79.69	386.92
Mar-2011	4.03	0.34	1.6302	0.14	0.57	0.00	-7.20	10.25	0.00	386.35
Apr-2011	5.7	0.48	0.3861	0.03	0.67	0.00	-15.94	2.64	0.00	385.68
May-2011	7.75	0.65	0.7137	0.06	0.86	0.00	-21.11	0.52	0.00	384.82
Jun-2011	8.7	0.73	0	0.00	1.05	0.00	-26.10	0.07	0.00	383.77
Jul-2011	9.3	0.78	0.2184	0.02	1.15	0.00	-27.24	0.01	0.00	382.62
Aug-2011	8.37	0.70	1.2675	0.11	1.15	0.00	-21.31	0.00	0.00	381.47
Sep-2011	6.3	0.53	0.2184	0.02	0.96	0.00	-18.24	0.00	0.00	380.51
Oct-2011	4.34	0.36	0.6357	0.05	0.86	0.00	-11.11	0.00	0.00	379.65
Nov-2011	2.4	0.20	3.3618	0.28	0.67	0.20	2.69	2.69	0.00	378.99
Dec-2011	1.55	0.13	1.6068	0.13	0.57	0.00	0.17	2.85	0.00	378.41
Jan-2012	1.55	0.13	0.7254	0.06	0.57	0.00	-2.47	3.02	0.00	377.84
Feb-2012	2.52	0.21	1.9968	0.17	0.48	0.02	-1.59	2.41	0.00	377.36
Mar-2012	4.03	0.34	2.8587	0.24	0.57	0.11	-3.63	1.50	0.00	376.79
Apr-2012	5.7	0.48	2.8275	0.24	0.67	0.11	-8.73	0.60	0.00	376.12
May-2012	7.75	0.65	0	0.00	0.86	0.00	-23.25	0.09	0.00	375.26
Jun-2012	8.7	0.73	0	0.00	1.05	0.00	-26.10	0.01	0.00	374.21