PROVEN, POTENTIAL AND INFERRED GEOTHERMAL RESOURCES OF ARIZONA AND THEIR HEAT CONTENTS

by

James C. Witcher

[illegible] Geological Survey

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Proven and potential geothermal resources are shown by the outlined areas on the 1:1,000,000 map of Arizona. The areas are numbered by county. They outline known hot wells and springs and appropriate geologic setting. Approximately 85% to 90% of the known geothermal occurrences are listed in the computer printout. All of the areas except Greenlee 1 occur in sediment-filled basins. Isolated single occurrences of hot water (>30°C) are shown on the map as dots.

The definitions of proved, potential and inferred geothermal resources are:

Proven sites are (1) those which are in an advanced

The low temperature resources (<90°C) are assessed for depths less than 4,000 feet (1.2 km). Table (1) contains pertinent information on the low temperature geothermal resources. Drill hole data and gravity data show that most sediment-filled structural basins in southern Arizona are filled with from 2,000 feet (0.6 km) to 4,000 feet (1.2 km) of clastic sediment and/or volcanics. Therefore, the geothermal reservoirs in all areas are asumed to be in clastic sediment and/or volcanics with an average specific yield or storage coefficient of 5%. This is a conservative figure when compared with data presented by Rantz, S. E., and Eakin, T. E., 1971, on p. 76. The data Table is reproduced below:

without recharge. In all cases, the reservoirs are assumed to be 1,000 feet (.3 km) thick at depths of 2,500 feet (.75 km) to 4,000 feet (1.2 km). Average reservoir temperatures are estimated by chalcedony geothermometers unless otherwise stated. The chalcedony geothermometer appears to be the best for most low temperature reservoirs (<90°C) (Arnorsson, S., 1975). Chalcedony-predicted temperatures in Arizona basins agree very well with temperatures predicted for the assumed reservoir depths using the average temperature gradient. The average temperature gradient of Arizona basins is about 40°C/km. This is a normal gradient in an area with high heat flow (80 m Wm^{-2}) and low heat conductive rocks.

The heat content of the reservoirs is calculated using

The method is similar to the one used in U.S.G.S. Circular 790 except that in these calculations no recharge is assumed. This is because Arizona has an arid climate. Since the heat is transported to the surface by water, it is necessary to calculate the water volume which can be obtained from the reservoir. Therefore, the storage coefficient or specific yield is used in the calculation. These calculations quantify minimum extractable heat contents. Artificial recharge through reinjection may be necessary to prevent subsidence. Also, natural recharge from cooler overlying aquifers is possible; consequently, additional parameters, although not considered in these calculations, may be added to account for the resulting increase in ex-

REFERENCES

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4. Muffler, L. J. P., 1979, Assessment of geothermal resources of the United States—1978, U. S. Geological Survey Circular 790, 163 p.

5. Rantz, S. E., and Eakin, T. E., 1979, A summary of methods for the collection and analysis of basic hydrologic data for arid regions, U. S. Geological Survey Open-File Report, 125 p.

6. Swanberg, C. A., Morgan, P., Stoyer, C. H., and Witcher,

VOIRS LESS THAN 1.2 km DEPTH

°C ure	Depth (Feet)	TDS (Mg/1)	Tr°C	Tr-Tmat°C	Calories x 10^{15} Qr	ethod	Source (See References)
	Surface	>8000	80	62	34.59	del, Na-K-Ca/mg corr.	7
	Surface	<500	80	62	34.59		6
)	<1000	<1500	75	57	105.85		8
)	<2000	<5000	70	52	173.94		8
)	<3500	<1000	60	42	89.71	K-Ca	8
)	<2000	<1000	60	42	77.99		8
)	<1000	<500	60	42	257.42	K-Ca	6, 10
)	<2500	<1500	60	43	19.99		3, 10
)	Surface	<500	60	44	16.37		6
)	<1000	<1500	70	53	127.99		3
0	<2500	<1000	60	41	354.11	K-Ca	9
5	<2000	<1000	60	41	194.22		10
0	<700	<500	55	35	32.45		10
5	<1000	<500	65	44	53.20		10

tractable heat content of the reservoir

ɜERVOIRS LESS THAN 1.2 km DEPTH

Measured Temperature °C	Depth (Feet)	TDS (mg/l)	Tr-°C	Tr-Tmat°C	Method	Source (See References)
30 - 45	<2500	<3000	55	35	ıalcedony	10
30 - 45	<1000	<1000	60	40	ıalcedony	10
30 - 45	<2500	<3000	55	35	ıalcedony	10
30 - 40	<1500	-	55	35	eservoir temp. estimated from gradient of 35-40°C/km	
50 - 60	<50	<3000	60	39	ıartz	6
30 - 40	<700	<3000	65	44	ıalcedony	2
30 - 45	<1500	<3000	70	49	ıalcedony	10
30 - 45	<1500	<2000	60	40	ıalcedony	10
30 - 40	<1500	<1000	50	30	ıalcedony	10
30 - 35	-	1500	50	31	uartz	6

;ERVOIRS LESS THAN 1.2 km DEPTH

ı3	Measured °C Temperature	Depth (Feet)	TDS mg/l	Tr-°C	Tr-Tmat°C
	30 - 40	<500	<1000	60	40
	30 - 45	<1500	<1500	60	40
	30 - 45	<2000	<1000	60	40
	30 - 60	<2000	<5000	60	40
	30 - 40	<2000	<2000	55	35
	30 - 35	<1500	<2000	70	50
	30 - 50	<700	<1500	75	55
	30 - 40	<2000	<1500	65	45
	30 - 40	<1000	<3000	60	40
	30 - 50	<2000	<3000	60	40
	30 - 40	<1500	<2000	60	40
	30 - 40	<1000	<1000	60	40
	30 - 40	<2000	500	55	35

hod	Source (See References)
.edony	10
:edony	10
:edony	10
:edony	10
:edony	10
:edony	10
:z, Na-K-Ca/mg corr.	Jones, pers., comn.
:edony	10
:edony	10
:edony	10
:edony	10
:edony	10
:edony	10

:E (>90°C) GEOTHERMAL RESERVOIRS LESS THEN 2.5 km

	Depth km	Volume km^3	Tr °C	Inferences based on
:E	2.0	2.5	170	1, 5
:E	2.0	2.5	130	1, 5
:E	2.0	2.5	140	1, 5
:E	2.0	2.5	130	1, 5
26E	2.0	2.5	110	1, 3, 5
27-28E	2.0	2.5	120	1, 3, 5
R28-30E	2.0	2.5	110	1, 3, 5
R29-30E	2.0	2.5	120	2, 3, 5
R24E	2.0	2.5	110	1, 3, 5
R29, 31E	2.5	2.5	150	1, 3, 4, 5
R14-15E	2.5	2.5	130	2, 3, 5
6E	2.5	2.5	130	2, 3, 5
-2N, R8-10W	2.5	2.5	110	1, 3, 5
1-2W	2.0	2.5	110	3, 5
10-12W	2.0	2.5	110	1, 3, 4, 5
30E	2.0	2.5	120	3, 4, 5
E	2.0	2.5	130	1, 3, 5

/RANGE=0043000 AREA IN KM**2= 61.9 VOLUME IN KM**3= 18.6

P_(C)	SIOZ_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
48.9	0.0	0.00000	0.0	874.0
40.0	0.0	0.00000	0.0	888.0
37.8	0.0	0.00000	0.0	894.0
40.6	0.0	0.00000	0.0	749.0
43.3	58.0	79.63098	0.0	979.0
48.9	0.0	0.00000	2.2	8330.0
48.9	58.0	79.63098	0.0	979.0
56.0	8.0	-0.80417	0.0	0.0

Locates Quadrant in the State.

Township 4 South

Range 30 East

locates the northwest corner of the township.

GE=0052900 AREA IN KM**2= 61.9 VOLUME IN KM**3= 18.6

I	SIO2 (MG/L)	CHALCEDONY	DEPTH (FT)	TDS (MG/L)
	0.0	0.00000	0.0	122.4
	0.0	0.00000	0.0	125.2
	0.0	0.00000	0.0	124.2
	0.0	0.00000	0.0	132.5

E=0062600 AREA IN KM**2= 6.4 VOLUME IN KM**3= 61.9

E=0062700

E=0062800

GE=0072600

GE=0072700

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	0.0	0.00000	30.0	1029.0
	65.0	85.69620	0.0	1070.0

GE=0072800

E=0072400 AREA IN KM**2= 71.5 VOLUME IN KM**3= 11.5

E=0072500

SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
0.0	0.00000	0.0	0.0
0.0	0.00000	9.6	0.0
0.0	0.00000	10.0	0.0
0.0	0.00000	0.0	0.0
0.0	0.00000	0.0	0.0
0.0	0.00000	0.0	93.7
0.0	0.00000	0.0	0.0

GE=0072600

GE=0082400

GE=0082500

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	0.0	0.00000	105.0	0.0
-	0.0	0.00000	0.0	0.0
-	0.0	0.00000	20.0	5120.0
	0.0	0.00000	0.0	0.0

GE=0082600

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
3	0.0	0.00000	0.0	45.6
3	0.0	0.00000	0.0	63.8
0	0.0	0.00000	0.0	64.9

NGE=0092400

NGE=0092500

NGE=0092600

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
3	0.0	0.00000	0.0	45.6
3	0.0	0.00000	0.0	63.8
0	0.0	0.00000	0.0	64.9

GE=D052400 AREA IN KM**2= 37.4 VOLUME IN KM**3= 71.2

C)	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	18.2	0.0
	0.0	0.00000	0.0	461.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	258.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	257.0
	0.0	0.00000	0.0	297.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	297.0
	0.0	0.00000	0.0	296.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	2568.0
	0.0	0.00000	0.0	2996.0
	0.0	0.00000	0.0	3016.0
.3	0.0	0.00000	600.0	2568.0
.3	0.0	0.00000	600.0	2580.0
.3	0.0	0.00000	600.0	0.0
.8	0.0	0.00000	600.0	2570.0
.0	0.0	0.00000	0.0	2970.0
.8	0.0	0.00000	0.0	0.0
.7	0.0	0.00000	0.0	0.0
.4	0.0	0.00000	0.0	0.0
.8	0.0	0.00000	59.0	2970.0

ANGE=D052500

(C)	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
.2	0.0	0.00000	0.0	28.4
.2	0.0	0.00000	0.0	51.0

ANGE=D062300

RANGE=D062400

_(C)	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
8.9	0.0	0.00000	3767.0	3530.0

RANGE=D062500

_(C)	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
6.5	0.0	0.00000	2161.0	0.0

;E=D042300 AREA IN KM**2= 37.4 VOLUME IN KM**3= 71.2

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	0.0	0.00000	35.5	2740.0
	0.0	0.00000	35.5	0.0
	0.0	0.00000	82.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	294.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	279.0
	0.0	0.00000	0.0	296.0
	0.0	0.00000	0.0	301.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	298.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	295.0
	0.0	0.00000	0.0	291.0
7	0.0	0.00000	0.0	0.0
1	0.0	0.00000	0.0	0.0
2	0.0	0.00000	0.0	0.0
8	0.0	0.00000	0.0	0.0
8	0.0	0.00000	0.0	0.0
3	0.0	0.00000	0.0	0.0
1	0.0	0.00000	0.0	272.0
2	0.0	0.00000	0.0	0.0
0	0.0	0.00000	0.0	0.0
9	0.0	0.00000	0.0	0.0
0	0.0	0.00000	0.0	299.0
6	0.0	0.00000	0.0	0.0

NGE=D042400

(C)	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
0	0.0	0.00000	0.0	27.7

ANGE=D042500

ANGE=D052300

ANGE=D052400

(C)	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	0.0	0.00000	0.0	452.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	378.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	478.0
	0.0	0.00000	0.0	0.0

E=0062500 AREA IN KM**2= 37.4 VOLUME IN KM**3= 71.2

	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
1	53.0	74.97571	0.0	7950.0

GE=0102800 AREA IN KM**2= 61.9 VOLUME IN KM**3= 18.6

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	0.0	0.00000	1925.0	0.0

GE=0102900

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
1	0.0	0.00000	192.5	962.0
2	0.0	0.00000	0.0	962.0
3	0.0	0.00000	1925.0	0.0

GE=0122800 AREA IN KM**2= 81.1 - VOLUME IN KM**3= 4.3

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(EI)	TDS_(MG/L)
	0.0	0.00000	715.0	0.0
	0.0	0.00000	715.0	0.0
	22.0	35.28265	660.0	216.0
	24.0	38.30237	660.0	247.0
	0.0	0.00000	660.0	0.0
	0.0	0.00000	660.0	0.0
	0.0	0.00000	660.0	0.0

GE=0122900

GE=0123000

GE=0123100

GE=0132800

C)	SIO2_(MG/L)	CHALCEDONY	DEPTH_(EI)	TDS_(MG/L)
7	32.0	51.03409	830.0	231.0
3	0.0	0.00000	830.0	0.0
7	0.0	0.00000	830.0	0.0
2	0.0	0.00000	830.0	0.0
6	23.0	37.07077	700.0	302.0
7	40.0	60.55652	700.0	402.0
6	23.0	37.07077	700.0	256.0
0	0.0	0.00000	700.0	0.0
1	0.0	0.00000	835.0	0.0
2	32.0	51.03409	830.0	231.0
3	0.0	0.00000	830.0	0.0
7	0.0	0.00000	830.0	0.0
2	0.0	0.00000	830.0	0.0

NGE=0132900

(C)	SIO2_(MG/L)	CHALCEDONY	DEPTH_(EI)	TDS_(MG/L)
.6	0.0	0.00000	96.0	340.0
.1	0.0	0.00000	835.0	0.0
.6	0.0	0.00000	964.0	340.0
.7	0.0	0.00000	964.0	315.0
.6	0.0	0.00000	960.0	340.0

ANGE=0133000

(C)	SIO2_(MG/L)	CHALCEDONY	DEPTH_(EI)	TDS_(MG/L)
.3	0.0	0.00000	90.0	289.0
.2	0.0	0.00000	95.0	268.0

NGE=0133000 AREA IN KM**2= 81.1 VOLUME IN KM**3= 4.3

(C)	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
.2	0.0	0.00000	90.0	267.0
.0	0.0	0.00000	97.5	285.0
.6	0.0	0.00000	88.0	260.0
.0	0.0	0.00000	96.0	355.0
.3	62.0	83.15576	860.0	0.0
.2	0.0	0.00000	950.0	268.0
.2	0.0	0.00000	930.0	267.0
.0	0.0	0.00000	975.0	285.0
.0	0.0	0.00000	975.0	289.0
.6	30.0	48.20728	900.0	0.0
.0	0.0	0.00000	960.0	355.0
.5	0.0	0.00000	880.0	260.0
.6	30.0	48.20728	900.0	0.0
.2	0.0	0.00000	930.0	267.0
.0	0.0	0.00000	975.0	285.0
.2	0.0	0.00000	950.0	268.0
.5	0.0	0.00000	900.0	289.0
.5	62.0	83.15576	860.0	571.0

ANGE=0133100

ANGE=0142800

ANGE=0142900

RANGE=0143000

_(C)	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
0.6	97.0	108.76575	0.0	374.0
0.6	97.0	108.76575	0.0	374.0

RANGE=0143100

_(C)	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
1.1	0.0	0.00000	200.0	272.0
1.1	0.0	0.00000	2000.0	272.0
1.7	37.0	57.57870	2000.0	293.0
1.7	0.0	0.00000	2000.0	0.0
1.7	0.0	0.00000	2000.0	0.0
1.1	0.0	0.00000	2000.0	0.0
1.7	0.0	0.00000	2000.0	0.0
2.2	51.0	72.58591	711.0	305.0
2.2	51.0	72.58591	711.0	305.0
1.7	37.0	57.57870	2000.0	293.0
1.7	0.0	0.00000	2000.0	0.0

GE=D152800 AREA IN KM**2= 81.1 VOLUME IN KM**3= 4.3

GE=D152900

GE=D153000

GE=D153100

IGE=0132400 AREA IN KM**2= 51.6 VOLUME IN KM**3= 15.5

:1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
'	0.0	0.00000	0.0	0.0

IGE=0132500

:1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
1	46.0	67.90433	2500.0	1380.0
7	0.0	0.00000	800.0	0.0
7	0.0	0.00000	0.0	0.0
1	46.0	67.90433	2500.0	1380.0

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E=0122100        AREA IN KM**2= 41.3    VOLUME IN KM**3= 12.4

SE=0132100
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ANGE=0142400 AREA IN KM**2= 69.3 VOLUME IN KM**3= 80.5

IQ)	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
.0	0.0	0.00000	0.0	0.0

ANGE=0142500

IQ)	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
.0	0.0	0.00000	700.0	1370.0
.0	0.0	0.00000	0.0	0.0
.0	0.0	0.00000	0.0	0.0
.0	0.0	0.00000	0.0	1370.0

ANGE=0152400

IQ)	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
.0	0.0	0.00000	0.0	0.0
.0	0.0	0.00000	0.0	0.0
.0	0.0	0.00000	0.0	0.0

ANGE=0152500

GE=0121200 AREA IN KM**2= 59.8 VOLUME IN KM**3= 87.9

I	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	42.0	62.63596	360.0	451.0

GE=0121300

GE=0121400

GE=0121500

GE=0131200

GE=0131300

GE=0131400

GE=0131500

GE=0141200

GE=0141300

C1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
6	29.0	46.16150	500.0	420.0
3	36.0	22.60641	550.0	329.0

GE=0141400

C1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
4	29.0	46.16150	500.0	420.0
3	35.0	22.60641	550.0	329.0
0	26.0	41.22537	1400.0	389.0
0	25.0	41.14233	1220.0	300.0

GE=0141500 AREA IN KM**2= 59.8 VOLUME IN KM**3= 87.9

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	33.0	52.39551	300.0	242.0

GE=0151200

GE=0151300

GE=0151400

C1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
9	0.0	0.00000	2500.0	0.0
2	46.0	45.67908	2500.0	485.0

NGE=0151500

NGE=0161200

NGE=0161300

C1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
2	0.0	0.00000	720.0	370.0
1	43.0	63.81430	500.0	302.0
0	41.0	61.84839	0.0	512.0
0	40.0	60.94583	0.0	566.0

ANGE=0161400

ANGE=0161500

C1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
.3	0.0	0.00000	1100.0	419.0
.5	0.0	0.00000	100.0	0.0
.8	0.0	0.00000	100.0	0.0
.8	0.0	0.00000	1115.0	1004.0

ANGE=0171200

C1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
.1	44.0	65.74411	600.0	1280.0

GE=0171300 AREA IN KM**2= 59.8 VOLUME IN KM**3= 87.9

I	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	29.0	44.67896	1792.0	459.0

GE=0171400

I	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	0.0	0.00000	149.6	0.0
	0.0	0.00000	100.0	0.0

GE=0171500

NGE=D121000 AREA IN KM**2= 26.3 VOLUME IN KM**3= 57.9

C1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
0	33.0	51.64981	0.0	233.0
5	37.0	56.72058	0.0	232.0

NGE=D121100

NGE=D131000

C1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
.5	36.0	55.93628	0.0	219.0
.0	34.0	52.96555	0.0	247.0
.0	35.0	54.28079	0.0	241.0
.0	36.0	55.33749	0.0	220.0
.0	37.0	56.96487	0.0	223.0

ANGE=D131100

C1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
.5	0.0	0.00000	555.0	0.0

ANGE=D141000

C1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
.2	0.0	0.00000	40.0	715.0

ANGE=D141100

C1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
3.8	0.0	0.00000	1277.0	226.0
3.4	0.0	0.00000	654.0	392.0
2.1	0.0	0.00000	1260.0	431.0
3.6	39.0	59.89243	712.0	222.0
1.0	35.0	53.80856	0.0	226.0
0.0	33.0	52.21207	0.0	368.0
1.0	36.0	55.54153	0.0	231.0
1.0	35.0	54.55429	0.0	227.0
0.0	35.0	54.74048	0.0	210.0

RANGE=D151000

C1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
4.0	31.0	31.30786	0.0	216.0

RANGE=D151100

C1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
10.4	0.0	0.00000	654.0	392.0
14.4	0.0	0.00000	1110.0	283.0
14.9	0.0	0.00000	147.3	0.0

E=0151100 AREA IN KM**2= 26.3 VOLUME IN KM**3= 57.9

SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
39.0	59.89243	712.0	222.0
0.0	0.00000	1005.0	0.0
0.0	0.00000	1005.0	0.0
0.0	0.00000	1005.0	0.0
0.0	0.00000	1005.0	0.0
30.0	45.86557	993.0	200.0
0.0	0.00000	2000.0	0.0
0.0	0.00000	2000.0	0.0

GE=0170300 AREA IN KM**2= 1.2 VOLUME IN KM**3= 30.9

I	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	0.0	0.00000	250.0	0.0
	0.0	0.00000	117.0	0.0

GE=0170400

I	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	0.0	0.00000	117.0	0.0
	0.0	0.00000	250.0	0.0
	34.0	53.07263	700.0	338.0
	34.0	53.31796	700.0	339.0
	35.0	54.51831	700.0	340.0
	34.0	53.31870	700.0	339.0
	34.0	53.07379	700.0	338.0
	35.0	54.51831	700.0	340.0

GE=0170500

E=D190100 AREA IN KM**2= 34.2 VOLUME IN KM**3= 40.3

SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
14.0	18.20691	420.0	327.0
56.0	73.15982	270.0	477.0
0.0	0.00000	350.0	0.0
0.0	0.00000	550.0	0.0
0.0	0.00000	700.0	0.0
64.0	84.11304	715.0	417.0
0.0	0.00000	715.0	0.0
0.0	0.00000	715.0	0.0
43.0	64.51035	950.0	361.0
43.0	64.51035	950.0	361.0
55.0	76.59064	952.0	390.0
56.0	73.15982	0.0	477.0
0.0	0.00000	0.0	0.0
0.0	0.00000	0.0	0.0
0.0	0.00000	0.0	0.0
64.0	84.11304	715.0	417.0
0.0	0.00000	715.0	0.0
0.0	0.00000	715.0	0.0
53.0	73.59671	0.0	356.0
14.0	18.20691	420.0	327.0
37.0	56.93704	0.0	335.0

GE=D200100

GE=D070700

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
)	0.0	0.00000	1530.0	0.0
)	30.0	44.30942	1585.0	504.0
)	0.0	0.00000	552.0	0.0

GE=D080700

C)	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
5	33.0	51.57248	1300.0	301.0
5	77.0	82.06360	2100.0	2440.0

GE=D081600 AREA IN KM**2= 6.4 VOLUME IN KM**3= 61.9

GE=D081700

1	SIO2_(MG/L)	CHALCEDCNY	DEPTH_(FT)	TDS_(MG/L)
	38.0	58.80969	148.5	441.0

GE=D081800

GE=D091600

1	SIO2_(MG/L)	CHALCEDCNY	DEPTH_(FT)	TDS_(MG/L)
0	31.0	49.63727	130.0	440.0

GE=D091700

1	SIO2_(MG/L)	CHALCEDCNY	DEPTH_(FT)	TDS_(MG/L)
0	0.0	0.00000	8.5	0.0
0	47.0	68.95941	5.4	590.0
0	35.0	55.04269	0.0	23.4
0	0.0	0.00000	87.0	259.0
0	40.0	61.20349	87.0	0.0
0	40.0	61.20349	87.0	313.0
0	0.0	0.00000	87.0	0.0
0	0.0	0.00000	870.0	0.0
0	0.0	0.00000	870.0	0.0
0	0.0	0.00000	870.0	0.0
0	0.0	0.00000	870.0	0.0

NGE=D091800

NGE=D101600

NGE=D101700

NGE=D101800

1	SIO2_(MG/L)	CHALCEDCNY	DEPTH_(FT)	TDS_(MG/L)
.0	41.0	62.26504	27.7	454.0

NGE=D080600 AREA IN KM**2= 5E.3 VOLUME IN KM**3= 80.5

C1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
0	29.0	46.74203	800.0	299.0
5	0.0	0.00000	322.2	225.0

NGE=D080700

C1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
5	33.0	51.57248	1100.0	301.0
5	77.0	82.06360	2100.0	2440.0

NGE=D090600

C1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
0	0.0	0.00000	800.0	0.0

NGE=D090700

ANGE=D070200

ANGE=D070300

ANGE=D070400

C1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
.0	0.0	0.00000	400.0	0.0
.0	0.0	0.00000	1410.0	0.0

GE=C071100 AREA IN KM**2= 16.7 VOLUME IN KM**3= 65.0

I	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	52.0	64.67676	590.0	714.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0

GE=C071200

I	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	27.0	43.63739	658.0	2400.0
	31.0	49.63727	507.0	731.0
	24.0	38.61978	678.0	924.0
	38.0	58.80969	495.0	816.0
	25.0	40.33960	678.0	926.0
	0.0	0.00000	678.0	0.0
	24.0	38.61914	678.0	924.0
	38.0	58.70850	495.0	816.0
	36.0	55.71425	0.0	2030.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	28.0	45.23538	507.0	0.0
	31.0	49.53903	507.0	731.0
	0.0	0.00000	0.0	0.0

E=C041000 AREA IN KM**2= 35.4 VOLUME IN KM**3= 48.6

SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
19.0	25.98459	491.0	590.0
49.0	71.02246	45.0	664.0
0.0	0.00000	50.0	0.0
19.0	25.97198	491.0	590.0
18.0	27.01282	0.0	617.0
0.0	0.00000	0.0	0.0
0.0	0.00000	0.0	0.0

E=C041100

SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
61.0	82.28989	530.0	647.0
50.0	72.03165	465.0	537.0
56.0	67.11060	1229.0	657.0
49.0	70.65918	415.0	1250.0
40.0	59.94562	500.0	680.0
80.0	66.88199	1375.0	569.0
0.0	0.00000	46.5	548.0
51.0	73.02655	46.5	510.0
57.0	78.72324	0.0	47.2
0.0	0.00000	41.5	688.0
43.0	62.02731	1302.0	461.0
80.0	67.01590	1372.0	569.0
0.0	0.00000	0.0	0.0
65.0	83.38770	500.0	534.0
40.0	59.94562	500.0	680.0
46.0	67.12428	0.0	606.0
56.0	67.07089	1229.0	657.0
0.0	0.00000	415.0	0.0
49.0	70.65918	415.0	1250.0

GE=C041200

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	0.0	0.00000	0.0	0.0

GE=C051000

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
1	42.0	62.75433	0.0	1610.0
1	0.0	0.00000	8.4	731.0
1	0.0	0.00000	0.0	63.2
1	42.0	63.51251	1.4	816.0
1	0.0	0.00000	0.0	0.0
5	0.0	0.00000	0.0	0.0
5	0.0	0.00000	1146.0	0.0
5	21.0	25.87854	0.0	581.0
1	45.0	66.29919	0.0	3080.0
5	42.0	63.51251	0.0	619.0
1	45.0	66.29919	0.0	3080.0
2	0.0	0.00000	0.0	0.0

E=C051100 AREA IN KM**2= 95.4 VOLUME IN KM**3= 48.6

SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
36.0	56.32343	900.0	608.0
44.0	58.10031	1000.0	599.0
0.0	0.00000	10.0	711.0
0.0	0.00000	0.0	0.0
0.0	0.00000	0.0	0.0
44.0	58.12830	0.0	599.0
36.0	56.14487	1000.0	1470.0

GE=C051200

SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
46.0	67.46353	475.0	1400.0
45.0	66.66391	625.0	699.0
47.0	68.95941	445.0	716.0
39.0	56.76791	247.0	503.0
0.0	0.00000	40.0	469.0
0.0	0.00000	42.6	565.0
43.0	64.63760	92.5	488.0
0.0	0.00000	32.9	518.0
55.0	76.87390	26.0	566.0
52.0	74.00775	57.0	653.0
48.0	69.99880	71.5	767.0
39.0	60.01761	48.6	566.0
55.0	76.87350	260.0	566.0
47.0	67.83783	612.0	716.0
46.0	67.46277	475.0	1400.0
0.0	0.00000	400.0	0.0
0.0	0.00000	0.0	0.0
0.0	0.00000	0.0	0.0
0.0	0.00000	329.0	0.0
0.0	0.00000	0.0	0.0
47.0	67.66055	0.0	533.0
0.0	0.00000	0.0	0.0
47.0	67.66055	0.0	533.0
0.0	0.00000	0.0	0.0
0.0	0.00000	0.0	0.0
0.0	0.00000	0.0	0.0
48.0	69.16571	0.0	817.0
58.0	79.63098	370.0	550.0
0.0	0.00000	0.0	0.0
0.0	0.00000	0.0	0.0

NGE=C061000

NGE=C061100

NGE=C061200

SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)

SF-C061200 AREA IN KM**2= 97.4 VOLUME IN KM**3= 48.6

	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
1	39.0	56.77390	247.0	503.0

GE=8031400 AREA IN KM**2= 7[illegible] VOLUME IN KM**3= 83.6

GE=8031500

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	15.0	20.69003	0.0	463.0

GE=8031600

GE=8041400

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	16.0	23.05148	0.0	735.0
	16.0	19.67563	0.0	280.0

GE=8041500

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	26.0	42.11194	0.0	1500.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0

GE=8041600

GE=8051400

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	0.0	0.00000	0.0	0.0
	26.0	42.11194	0.0	609.0

GE=8051500

GE=8051600

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	26.0	42.11194	1452.0	1270.0

GE=8061400

E=B051100 AREA IN KM**2= 1?.8 VOLUME IN KM**3= 23.8

GF=B051200

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	22.0	32.39719	0.0	357.0

GF=B051300

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0

GE=B061100

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	26.0	42.11194	1000.0	667.0

GE=B061200

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	0.0	0.00000	119.6	0.0
	0.0	0.00000	119.6	0.0
	0.0	0.00000	119.6	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	16.0	23.05149	943.0	792.0
	25.0	40.48151	943.0	386.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	22.0	31.41885	0.0	350.0
	21.0	33.43326	1196.0	354.0
	21.0	31.14035	0.0	362.0

NGE=B061300

C1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
0	23.0	36.52057	0.0	332.0
0	0.0	0.00000	0.0	0.0
0	0.0	0.00000	0.0	0.0
0	21.0	31.18130	0.0	394.0
0	0.0	0.00000	0.0	0.0
0	0.0	0.00000	0.0	0.0
0	0.0	0.00000	0.0	0.0
0	0.0	0.00000	0.0	0.0
0	0.0	0.00000	0.0	0.0
0	0.0	0.00000	0.0	0.0

E=B061500 AREA IN KM**2= 78.6 VOLUME IN KM**3= 83.6

SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
52.0	72.93295	0.0	0.0

E=B061600

SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
32.0	50.98746	1100.0	0.0

GE=B171700 AREA IN KM**2= 61.9 VOLUME IN KM**3= 18.6

ANGE=A010600 AREA IN KM**2= 54.8 VOLUME IN KM**3= 46.4

IC1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
.0	43.0	64.63760	352.0	966.0
.5	0.0	0.00000	218.0	902.0
.0	0.0	0.00000	0.0	0.0

ANGE=A010700

ANGE=D010600

IC1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
.0	0.0	0.00000	0.0	0.0
.1	34.0	53.73520	510.0	390.0
.0	0.0	0.00000	217.0	823.0
.0	0.0	0.00000	217.0	823.0
.0	0.0	0.00000	217.0	838.0

ANGE=D010700

IC1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
.0	0.0	0.00000	0.0	0.0
.0	0.0	0.00000	0.0	0.0
.0	0.0	0.00000	0.0	0.0
.0	0.0	0.00000	0.0	0.0
.0	0.0	0.00000	0.0	0.0

NGE=A020300 AREA IN KM**2= 27.0 VOLUME IN KM**3= 68.1

NGE=A020400

C)	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
0	37.0	57.26620	918.0	231.0
0	34.0	53.25937	1003.0	294.0
0	23.0	36.80078	1020.0	480.0
0	41.0	61.10153	630.0	1180.0
0	0.0	0.00000	1200.0	454.0
0	0.0	0.00000	1200.0	435.0
0	0.0	0.00000	1200.0	441.0
0	0.0	0.00000	1200.0	482.0
0	0.0	0.00000	1325.0	452.0
.0	0.0	0.00000	1200.0	333.0
.0	0.0	0.00000	1200.0	317.0
.0	0.0	0.00000	1200.0	383.0
.0	0.0	0.00000	1205.0	434.0
.0	0.0	0.00000	1205.0	443.0
.0	0.0	0.00000	985.0	739.0
.0	0.0	0.00000	985.0	805.0
.0	0.0	0.00000	982.0	0.0
.6	0.0	0.00000	985.0	0.0
.0	0.0	0.00000	1200.0	0.0
.7	0.0	0.00000	500.0	0.0
.2	0.0	0.00000	500.0	0.0
.7	34.0	52.02444	550.0	703.0
.7	0.0	0.00000	1325.0	0.0
.8	0.0	0.00000	1200.0	0.0
.0	41.0	61.10153	630.0	1180.0
.0	0.0	0.00000	1200.0	0.0
.0	0.0	0.00000	1200.0	0.0
.0	21.0	32.76831	0.0	266.0
.4	32.0	51.03409	1020.0	311.0
.0	23.0	36.80078	1020.0	480.0
.0	34.0	53.25937	1003.0	294.0
.6	37.0	57.26846	0.0	231.0
.3	0.0	0.00000	1000.0	336.0

ANGE=A020500

_IC)	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
1.0	30.0	48.02130	1106.0	616.0
3.9	0.0	0.00000	1200.0	0.0
1.7	0.0	0.00000	1200.0	0.0
0.6	30.0	48.02261	0.0	616.0
1.0	0.0	0.00000	0.0	0.0
2.0	0.0	0.00000	0.0	0.0
3.0	0.0	0.00000	0.0	0.0
2.0	0.0	0.00000	0.0	0.0
4.0	31.0	49.63727	0.0	552.0

RANGE=A030300

_IC)	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)

IGE=A030300 AREA IN KM**2= 27.0 VOLUME IN KM**3= 68.1

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
0	0.0	0.00000	405.0	310.0
3	0.0	0.00000	330.0	0.0

NGE=A030400

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
0	35.0	54.78955	1045.0	278.0
0	20.0	29.88840	0.0	257.0
0	26.0	42.11196	1045.0	220.0
8	35.0	54.79041	1045.0	278.0

NGE=A030500

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
0	39.0	59.70615	1158.0	328.0
0	39.0	59.70615	0.0	328.0

GE=A020100 AREA IN KM**2= 85.8 VOLUME IN KM**3= 55.7

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	0.0	0.00000	150.0	389.0
	0.0	0.00000	190.0	804.0
	0.0	0.00000	0.0	0.0

GE=A020200

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	0.0	0.00000	1570.0	403.0
	0.0	0.00000	1736.0	383.0
	0.0	0.00000	700.0	233.0
	0.0	0.00000	1901.0	340.0

GE=A030100

GE=A030200

C1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
0	0.0	0.00000	303.0	536.0
7	3.4	-25.01323	1210.0	793.0
0	0.0	0.00000	622.0	0.0
0	23.0	36.53070	0.0	534.0
0	0.0	0.00000	500.0	0.0
8	39.0	59.90479	1903.0	469.0
E	33.0	51.71677	1903.0	477.0

GE=8010100 AREA IN KM**2= 43.0 VOLUME IN KM**3= 22.9

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	34.0	47.14819	1500.0	0.0

GE=8010200

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
1	29.0	46.16776	0.0	1270.0
	32.0	50.90350	907.0	0.0
1	26.0	37.30441	0.0	566.0
1	30.0	6.78528	0.0	0.0
1	0.0	0.00000	0.0	0.0
5	45.0	66.05167	1693.0	0.0
1	24.0	38.07578	0.0	1360.0
1	0.0	0.00000	1450.0	0.0
5	0.0	0.00000	1902.0	0.0
0	0.0	0.00000	1800.0	0.0
5	0.0	0.00000	1800.0	0.0
0	0.0	0.00000	1800.0	0.0
5	38.0	58.64926	1520.0	443.0

NGE=8020100

01	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
6	0.0	0.00000	112.0	1780.0
7	0.0	0.00000	72.2	559.0
2	0.0	0.00000	96.6	670.0
1	0.0	0.00000	62.7	528.0
1	0.0	0.00000	56.4	905.0
1	0.0	0.00000	0.0	97.4
4	0.0	0.00000	914.0	0.0
6	0.0	0.00000	914.0	0.0
0	0.0	0.00000	0.0	0.0
7	0.0	0.00000	740.0	0.0
1	0.0	0.00000	740.0	0.0
2	0.0	0.00000	740.0	0.0
0	0.0	0.00000	0.0	0.0
1	0.0	0.00000	740.0	0.0
0	0.0	0.00000	966.0	0.0
0	0.0	0.00000	0.0	0.0
1	26.0	41.88611	722.0	451.0
0	0.0	0.00000	1044.0	3650.0
0	0.0	0.00000	1044.0	3280.0
0	0.0	0.00000	1044.0	4930.0
1	17.0	24.64474	1044.0	0.0
9	0.0	0.00000	1044.0	0.0
3	0.0	0.00000	0.0	0.0
0	0.0	0.00000	0.0	0.0
4	23.0	33.27383	1200.0	335.0
7	0.0	0.00000	1200.0	0.0
7	22.0	34.17859	1200.0	0.0
3	26.0	41.73526	700.0	289.0
0	8.6	0.81583	0.0	397.0
0	15.0	19.98624	0.0	256.0
6	25.0	40.03870	840.0	475.0
5	36.0	56.27393	840.0	9490.0
2	24.0	38.57687	926.0	654.0

NGE=B020100 AREA IN KM**2= 41.0 VOLUME IN KM**3= 22.9

C1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
1	28.0	44.77887	1000.0	269.0

NGE=B020200

C1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
2	0.0	0.00000	105.8	356.0
0	0.0	0.00000	50.0	257.0
7	0.0	0.00000	78.8	365.0
7	0.0	0.00000	0.0	36.6
8	0.0	0.00000	95.6	559.0
8	0.0	0.00000	0.0	0.0
4	0.0	0.00000	70.6	509.0
3	0.0	0.00000	71.2	792.0
3	0.0	0.00000	0.0	51.9
6	0.0	0.00000	50.2	296.0
6	0.0	0.00000	100.0	0.0
2	0.0	0.00000	51.0	406.0
3	0.0	0.00000	1750.0	0.0
3	0.0	0.00000	1750.0	0.0
0	0.0	0.00000	1750.0	0.0
0	0.0	0.00000	0.0	0.0
0	24.0	38.80237	920.0	248.0
0	0.0	0.00000	920.0	0.0
0	0.0	0.00000	920.0	0.0
0	0.0	0.00000	920.0	0.0
0	0.0	0.00000	0.0	0.0
0	0.0	0.00000	0.0	0.0
0	0.0	0.00000	275.0	0.0
0	18.0	26.44351	0.0	505.0
0	19.0	28.49771	0.0	508.0
0	19.0	28.20343	0.0	458.0
0	33.0	13.42645	1602.0	274.0
0	18.0	26.40601	0.0	384.0
0	0.0	0.00000	0.0	0.0
0	25.0	39.60410	1194.0	204.0
0	0.0	0.00000	0.0	0.0
0	18.0	26.62469	0.0	228.0
0	0.0	0.00000	0.0	0.0
0	19.0	29.52872	0.0	296.0
0	19.0	28.22733	1010.0	222.0

ANGE=B030100

C1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
6	0.0	0.00000	50.0	0.0
6	0.0	0.00000	100.0	268.0
0	0.0	0.00000	0.0	0.0
8	28.0	44.94031	1032.0	344.0
0	0.0	0.00000	0.0	0.0
0	0.0	0.00000	0.0	0.0
0	0.0	0.00000	0.0	0.0
0	0.0	0.00000	0.0	0.0
0	0.0	0.00000	0.0	0.0
0	0.0	0.00000	1000.0	655.0

GE=B030100 AREA IN KM**2= 47.0 VOLUME IN KM**3= 22.9

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	28.0	45.05450	550.0	336.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
9	12.0	12.70999	638.0	2140.0
0	0.0	0.00000	0.0	0.0
0	0.0	0.00000	0.0	0.0
0	0.0	0.00000	0.0	0.0
0	0.0	0.00000	0.0	0.0
0	0.0	0.00000	0.0	0.0
0	0.0	0.00000	0.0	0.0
0	0.0	0.00000	0.0	0.0
0	0.0	0.00000	0.0	0.0
0	0.0	0.00000	0.0	0.0
0	0.0	0.00000	0.0	0.0
0	0.0	0.00000	0.0	0.0
0	0.0	0.00000	0.0	0.0
0	0.0	0.00000	0.0	0.0
0	0.0	0.00000	0.0	0.0
0	21.0	32.73141	0.0	347.0
0	0.0	0.00000	0.0	0.0
0	0.0	0.00000	0.0	0.0
0	0.0	0.00000	736.0	290.0
2	18.0	24.03464	1203.0	267.0
0	0.0	0.00000	0.0	0.0
0	0.0	0.00000	0.0	0.0
0	0.0	0.00000	0.0	0.0
0	0.0	0.00000	0.0	0.0

INGE=B030200

IG)	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
.0	0.0	0.00000	60.0	287.0
.0	0.0	0.00000	100.0	236.0
.0	0.0	0.00000	65.5	275.0
.0	0.0	0.00000	100.5	192.0
.0	0.0	0.00000	50.0	295.0
.8	0.0	0.00000	50.2	267.0
.8	0.0	0.00000	100.2	185.0
.0	0.0	0.00000	0.0	0.0
.7	27.0	43.00568	2420.0	209.0

NGE=8030200 AREA IN KM**2= 43.0 VOLUME IN KM**3= 22.9

CI	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
5	0.0	0.00000	2420.0	0.0
0	0.0	0.00000	1533.0	0.0
0	0.0	0.00000	0.0	0.0

NGE=8040100

CI	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
.1	0.0	0.00000	59.0	331.0
.1	0.0	0.00000	108.0	380.0
.8	0.0	0.00000	55.0	428.0
.8	0.0	0.00000	100.0	337.0
.3	0.0	0.00000	57.7	452.0
.3	0.0	0.00000	119.5	363.0
.1	0.0	0.00000	52.4	390.0
.1	0.0	0.00000	103.2	358.0
.8	0.0	0.00000	54.8	308.0
.8	0.0	0.00000	108.0	320.0
.1	0.0	0.00000	52.0	376.0
.1	0.0	0.00000	102.5	288.0
.0	22.0	33.85599	0.0	322.0
.0	0.0	0.00000	520.0	0.0
.0	0.0	0.00000	1080.0	0.0
.0	0.0	0.00000	524.0	0.0
.0	0.0	0.00000	0.0	0.0
.0	0.0	0.00000	600.0	0.0
.3	0.0	0.00000	577.0	0.0
.5	0.0	0.00000	1195.0	0.0
.0	0.0	0.00000	1195.0	0.0
.0	0.0	0.00000	1000.0	0.0
.0	0.0	0.00000	1080.0	0.0
.0	0.0	0.00000	0.0	0.0

ANGE=8040200

(CI	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
).6	0.0	0.00000	100.0	190.0
).0	18.0	26.17682	0.0	191.0
).0	0.0	0.00000	0.0	0.0

IGE=B010300 AREA IN KM**2= 23.P VOLUME IN KM**3= 37.1

:1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
)	22.0	34.43402	0.0	1800.0

NGE=B010400

:1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
0	0.0	0.00000	1990.0	0.0
0	22.0	30.63367	0.0	368.0

NGE=C010300

NGE=C010400

GE=C010500 AREA IN KM**2= 75.4 VOLUME IN KM**3= 52.6

1	SIO2_(MG/L)	CHALCEDCNY	DEPTH_(FT)	TDS_(MG/L)
	25.0	39.91943	0.0	466.0
	0.0	0.00000	0.0	0.0
	24.0	37.86963	0.0	696.0
	0.0	0.00000	0.0	0.0

GE=C010600

1	SIO2_(MG/L)	CHALCEDCNY	DEPTH_(FT)	TDS_(MG/L)
	46.0	67.90433	133.3	1160.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	46.0	67.90433	1333.0	1160.0
	0.0	0.00000	0.0	0.0

GE=C020500

1	SIO2_(MG/L)	CHALCEDCNY	DEPTH_(FT)	TDS_(MG/L)
	0.0	0.00000	0.0	0.0

GE=C020600

NGE=B010600 AREA IN KM**2= 6[illegible].1 VOLUME IN KM**3= 49.5

C1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
0	0.0	0.00000	0.0	0.0
0	44.0	64.38013	0.0	1170.0
0	25.0	39.03275	0.0	557.0
0	0.0	0.00000	0.0	0.0

NGE=B010700

NGE=B020600

C1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
0	0.0	0.00000	0.0	0.0
0	26.0	40.32895	0.0	673.0
0	0.0	0.00000	0.0	0.0
0	35.0	52.36890	0.0	461.0

NGE=B020700

C1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
0	32.0	51.03409	68.5	659.0
.0	0.0	0.00000	20.8	890.0
.0	28.0	45.23938	40.0	797.0
.0	0.0	0.00000	0.0	0.0
.0	0.0	0.00000	0.0	0.0
.0	0.0	0.00000	0.0	0.0
.0	0.0	0.00000	0.0	0.0
.0	30.0	46.03235	0.0	708.0
.0	0.0	0.00000	0.0	0.0
.0	0.0	0.00000	0.0	0.0
.0	0.0	0.00000	0.0	0.0
.0	37.0	55.81836	0.0	825.0
.0	0.0	0.00000	0.0	0.0
.5	0.0	0.00000	208.0	890.0
.0	36.0	54.69586	0.0	846.0
.0	0.0	0.00000	0.0	0.0
.0	28.0	43.78305	0.0	797.0
.0	0.0	0.00000	0.0	0.0
.0	35.0	52.36890	0.0	660.0
.0	0.0	0.00000	0.0	0.0
.0	0.0	0.00000	0.0	0.0
.0	0.0	0.00000	0.0	0.0
.0	37.0	55.46957	0.0	444.0
.5	32.0	51.03409	685.0	659.0
.0	32.0	49.64713	0.0	592.0
.0	0.0	0.00000	0.0	0.0

GE=C010800 AREA IN KM**2= 95.4 VOLUME IN KM**3= 48.6

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	26.0	41.19272	0.0	790.0
	40.0	59.87561	0.0	701.0

GE=C010900

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	27.0	43.32245	1006.0	64.0
	29.0	45.97800	0.0	587.0
	0.0	0.00000	0.0	0.0
	24.0	37.93430	0.0	820.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	27.0	43.32245	1006.0	705.0
	0.0	0.00000	0.0	0.0

GE=C011000

GE=B010800

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	91.0	96.19254	759.0	0.0
	60.0	80.55875	800.0	764.0
	49.0	70.85611	700.0	501.0
	0.0	0.00000	0.0	0.0
	60.0	80.56595	800.0	764.0
	46.0	67.19070	0.0	666.0
	0.0	0.00000	0.0	0.0

GE=B010900

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	73.0	92.09299	153.6	0.0
	27.0	43.69690	142.0	659.0
	22.0	35.28265	91.5	864.0
	130.0	107.84201	1216.0	1060.0
	30.0	46.91360	1495.0	631.0
	27.0	43.69690	90.0	650.0
	0.0	0.00000	90.0	0.0
	0.0	0.00000	103.3	0.0
	0.0	0.00000	103.0	0.0
	36.0	56.07721	1030.0	0.0
	32.0	49.85156	0.0	694.0
	28.0	44.50916	0.0	703.0
	0.0	0.00000	1030.0	0.0
	36.0	56.07941	1030.0	0.0
	0.0	0.00000	0.0	0.0
	32.0	50.22116	0.0	641.0
	0.0	0.00000	1033.0	0.0
	0.0	0.00000	0.0	0.0
	27.0	43.69690	900.0	650.0
	0.0	0.00000	900.0	0.0

=8010900 AREA IN KM**2= 95.4 VOLUME IN KM**3= 48.6

SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
30.0	46.92493	1495.0	631.0
46.0	67.22763	0.0	516.0
0.0	0.00000	0.0	0.0
22.0	35.28265	915.0	864.0
0.0	0.00000	0.0	0.0
52.0	73.12402	0.0	656.0
59.0	79.32519	0.0	738.0
0.0	0.00000	0.0	0.0
27.0	43.69690	1420.0	659.0
0.0	0.00000	0.0	0.0

=8011000

SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
27.0	43.69690	91.8	649.0
0.0	0.00000	80.0	0.0
30.0	48.00409	2010.0	0.0
32.0	51.03409	1700.0	0.0
0.0	0.00000	0.0	0.0
27.0	43.69690	1420.0	659.0
30.0	48.00409	2010.0	0.0
0.0	0.00000	800.0	0.0
27.0	43.69690	918.0	649.0

E=8020800

SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
0.0	0.00000	51.0	0.0
44.0	64.08337	510.0	442.0
34.0	53.47955	1218.0	437.0
27.0	43.62238	1720.0	0.0
91.0	104.88928	759.0	0.0
0.0	0.00000	0.0	0.0
0.0	0.00000	0.0	0.0
27.0	43.62170	1720.0	0.0
0.0	0.00000	0.0	0.0
0.0	0.00000	0.0	0.0
34.0	53.47955	1218.0	437.0
0.0	0.00000	0.0	0.0
0.0	0.00000	0.0	0.0
30.0	47.57361	0.0	412.0
0.0	0.00000	0.0	0.0
0.0	0.00000	510.0	0.0
44.0	64.08337	0.0	442.0

E=8020900

SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
36.0	56.32343	154.0	480.0
0.0	0.00000	1540.0	0.0
39.0	59.88696	1500.0	488.0
43.0	64.50955	1500.0	0.0
38.0	58.72791	1500.0	0.0

GE=8020900 AREA IN KM**2= 95.4 VOLUME IN KM**3= 48.6

1 SIO2 (MG/L)	CHALCEDONY	DEPTH (FT)	TDS (MG/L)
0.0	0.00000	130.0	0.0
112.0	110.35281	1300.0	0.0
41.0	62.36804	60.3	432.0
44.0	65.61133	603.0	0.0
38.0	59.80969	153.0	459.0
0.0	0.00000	153.0	0.0
41.0	62.23792	1530.0	460.0
44.0	65.47418	1530.0	128.0
73.0	92.09299	1536.0	0.0
0.0	0.00000	0.0	0.0
50.0	71.07733	0.0	535.0
0.0	0.00000	0.0	0.0
0.0	0.00000	0.0	0.0
33.0	51.53574	0.0	486.0
41.0	62.36804	603.0	432.0
44.0	65.61133	603.0	0.0
38.0	58.80969	1530.0	459.0
0.0	0.00000	1530.0	0.0
41.0	62.23792	1530.0	460.0
44.0	65.47418	1530.0	0.0
38.0	57.79065	0.0	703.0
37.0	56.93088	0.0	589.0
0.0	0.00000	0.0	0.0
39.0	59.88577	1500.0	488.0
43.0	64.50095	1500.0	0.0
0.0	0.00000	0.0	0.0
38.0	58.72717	1500.0	0.0
0.0	0.00000	0.0	0.0
0.0	0.00000	1300.0	0.0
112.0	110.35281	1300.0	0.0
0.0	0.00000	0.0	0.0
36.0	56.32343	1940.0	480.0
35.0	54.20956	0.0	520.0
38.0	58.80969	1.5	461.0
0.0	0.00000	1500.0	0.0
41.0	59.59891	1500.0	476.0
0.0	0.00000	1500.0	0.0
0.0	0.00000	0.0	0.0

GE=8021000

GE=C040700 AREA IN KM**2= 47.7 VOLUME IN KM**3= 74.3

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	0.0	0.00000	83.0	0.0
	0.0	0.00000	83.0	0.0

GE=C040800

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	0.0	0.00000	19.2	1420.0
	38.0	58.80969	19.2	1840.0
	66.0	86.52472	27.2	2870.0
	42.0	63.51251	22.4	1100.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	66.0	84.65454	272.0	2870.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	152.0	1420.0
	47.0	68.95941	152.0	1750.0
	38.0	58.80969	152.0	1840.0
	0.0	0.00000	192.0	0.0
	0.0	0.00000	192.0	0.0
	0.0	0.00000	192.0	0.0
	0.0	0.00000	192.0	0.0
	0.0	0.00000	192.0	0.0
	37.0	56.93088	0.0	2740.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	192.0	0.0
	0.0	0.00000	192.0	0.0
	0.0	0.00000	192.0	0.0
	0.0	0.00000	192.0	0.0

NGE=C040900

NGE=C050700

G1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
0	0.0	0.00000	83.0	0.0
0	0.0	0.00000	83.0	0.0
0	36.0	56.32343	70.0	1300.0
0	0.0	0.00000	0.0	0.0
0	36.0	56.32343	700.0	1300.0
5	0.0	0.00000	830.0	0.0

NGE=C050800

G1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
0	0.0	0.00000	0.0	0.0

NGE=C050900

G1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)

GE=C050900 AREA IN KM**2= 47.7 VOLUME IN KM**3= 74.3

I	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	19.0	22.34341	610.0	1240.0
	0.0	0.00000	62.0	1300.0
	21.0	33.43326	62.0	1330.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	21.0	33.41119	615.0	1330.0
	19.0	22.37085	615.0	1240.0

GE=C060700

I	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	0.0	0.00000	0.0	0.0
	20.0	27.14615	0.0	1080.0
	0.0	0.00000	0.0	0.0
	26.0	39.73111	0.0	1030.0
	0.0	0.00000	0.0	0.0
	33.0	50.46350	0.0	1120.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	30.0	45.86357	0.0	998.0

GE=C060800

GE=C060900

GE=C020300 AREA IN KM**2= 8.9 VOLUME IN KM**3=192.7

GE=C020400

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	0.0	0.00000	85.5	0.0
	0.0	0.00000	51.2	0.0
	31.0	49.39670	428.0	932.0
	0.0	0.00000	60.0	0.0
	29.0	46.74203	45.0	1530.0
	0.0	0.00000	45.0	0.0
	29.0	46.74203	46.0	1430.0
	0.0	0.00000	46.0	0.0
	0.0	0.00000	99.7	0.0
	29.0	46.74203	25.0	1680.0
	0.0	0.00000	25.0	0.0
	29.0	46.74203	460.0	1430.0
	29.0	46.74203	450.0	1530.0
	0.0	0.00000	0.0	0.0
	0.0	0.00000	0.0	0.0
	31.0	49.39883	428.0	932.0

GE=C020500

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
	0.0	0.00000	0.0	0.0

GE=C020600

GE=C030300

GE=C030400

1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
0	29.0	46.74203	25.0	1680.0
0	0.0	0.00000	25.0	0.0
0	29.0	46.74203	49.2	1900.0
0	0.0	0.00000	49.0	0.0
0	0.0	0.00000	49.0	0.0
0	0.0	0.00000	490.0	0.0
0	0.0	0.00000	490.0	0.0
0	0.0	0.00000	490.0	0.0
0	0.0	0.00000	60.0	0.0
0	27.0	42.56723	0.0	2320.0
5	0.0	0.00000	490.0	0.0
0	0.0	0.00000	490.0	0.0
5	0.0	0.00000	490.0	0.0
5	0.0	0.00000	490.0	0.0
5	0.0	0.00000	490.0	0.0

ANGE=C030400 AREA IN KM**2= 0.9 VOLUME IN KM**3=182.7

(C)	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
.0	0.0	0.00000	0.0	0.0
.5	29.0	46.74203	250.0	1680.0

ANGE=C030500

ANGE=C030600

ANGE=C040300

ANGE=C040400

(C)	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
.0	0.0	0.00000	35.0	0.0
.0	0.0	0.00000	35.0	0.0
.0	0.0	0.00000	97.7	0.0
.0	36.0	56.32343	846.0	1450.0
.0	0.0	0.00000	84.6	0.0
.0	0.0	0.00000	93.6	0.0
.0	0.0	0.00000	95.3	0.0
.0	0.0	0.00000	0.0	0.0
.0	36.0	56.22552	846.0	1450.0
.0	0.0	0.00000	350.0	0.0

ANGE=C040500

ANGE=C040600

(C)	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
1.0	28.0	45.23938	94.8	1640.0
1.0	33.0	52.02493	948.0	1830.0
1.0	0.0	0.00000	948.0	0.0
1.0	0.0	0.00000	948.0	0.0
1.0	0.0	0.00000	94.8	0.0
1.5	28.0	45.23938	948.0	1640.0
1.5	33.0	52.02151	948.0	1830.0
1.0	0.0	0.00000	948.0	0.0
1.5	0.0	0.00000	948.0	0.0

RANGE=C050300

(C)	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)

ANGE=C050300 AREA IN KM**2= P.9 VOLUME IN KM**3=182.7

IC1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
.0	21.0	33.43326	0.0	133.0

ANGE=C050400

IC1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
.0	0.0	0.00000	98.6	0.0
.0	0.0	0.00000	84.1	0.0
.0	0.0	0.00000	140.0	0.0
.0	34.0	53.60944	1031.0	1420.0
.0	0.0	0.00000	103.1	0.0
.0	0.0	0.00000	113.3	0.0
.0	32.0	51.03409	174.6	1210.0
.0	39.0	60.01761	174.6	1060.0
.5	0.0	0.00000	0.0	0.0
.0	34.0	53.60944	841.0	1420.0
.5	0.0	0.00000	0.0	0.0
.5	0.0	0.00000	0.0	0.0
.0	0.0	0.00000	0.0	0.0
.0	0.0	0.00000	0.0	0.0

ANGE=C050500

IC1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
.0	21.0	32.37549	0.0	1220.0
.5	0.0	0.00000	0.0	0.0
.0	24.0	38.75626	0.0	1090.0
.0	33.0	51.90146	0.0	1330.0
.0	0.0	0.00000	0.0	0.0

ANGE=C050600

IC1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
.0	32.0	47.96222	0.0	925.0
.0	36.0	56.32343	700.0	1300.0

ANGE=C060300

ANGE=C060400

IC1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
.0	34.0	53.73520	30.2	1220.0
.5	34.0	53.73520	302.0	1220.0
.0	39.0	60.01761	1746.0	1060.0
.0	32.0	51.03409	1746.0	1210.0
.5	0.0	0.00000	1752.0	0.0

NGE=C060500 AREA IN KM**2= 8.9 VOLUME IN KM**3=182.7

C1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
0	44.0	65.31577	1000.0	1770.0
0	0.0	0.00000	100.0	0.0
0	31.0	49.55292	985.0	1390.0
0	0.0	0.00000	100.0	0.0
0	0.0	0.00000	106.1	0.0
0	31.0	49.40518	405.0	1060.0
0	39.0	59.89154	400.0	1080.0
0	38.0	57.32411	0.0	1180.0
0	0.0	0.00000	0.0	0.0
0	0.0	0.00000	0.0	0.0
0	0.0	0.00000	0.0	0.0
0	29.0	45.77853	0.0	1070.0
0	0.0	0.00000	0.0	0.0
0	31.0	49.55292	985.0	1390.0
0	0.0	0.00000	0.0	0.0
0	44.0	65.31577	1000.0	1770.0
5	0.0	0.00000	0.0	0.0
0	42.0	57.23276	0.0	1090.0
3	0.0	0.00000	0.0	0.0

NGE=C060600

C1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
0	37.0	56.56717	0.0	1000.0

NGE=C070300

NGE=C070400

C1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
0	35.0	55.04269	38.5	1290.0

NGE=C070500

NGE=C070600

INGE=C020100 AREA IN KM**2=247.7 VOLUME IN KM**3= 74.3

IC1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
.0	28.0	45.21429	958.0	1780.0
.0	24.0	38.77954	0.0	1210.0
.0	30.0	47.90152	1549.0	1900.0
.0	26.0	42.05017	717.0	1960.0
.0	25.0	40.43213	805.0	1610.0
.0	79.0	64.34201	809.0	1450.0
.0	105.0	44.11282	936.0	1400.0
.0	55.0	73.09381	600.0	1080.0
.0	23.0	36.77563	880.0	1010.0
.0	23.0	36.77563	880.0	1010.0
.0	0.0	0.00000	0.0	0.0
.0	0.0	0.00000	0.0	0.0
.0	0.0	0.00000	0.0	0.0
.0	19.0	28.93643	0.0	1140.0
.0	0.0	0.00000	0.0	0.0
.0	18.0	26.91571	0.0	760.0
.7	25.0	40.43240	805.0	1610.0
.6	100.0	42.88055	936.0	1400.0
.0	0.0	0.00000	0.0	0.0
.9	55.0	73.10062	600.0	1080.0
.0	0.0	0.00000	0.0	0.0
.0	79.0	64.34201	809.0	1450.0
.0	0.0	0.00000	0.0	0.0
.6	26.0	42.05060	717.0	1960.0
.8	24.0	38.77960	0.0	1210.0
.0	39.0	59.73773	0.0	1050.0
.0	0.0	0.00000	0.0	0.0
.0	20.0	30.64328	0.0	1250.0
.8	30.0	47.90259	1549.0	1900.0
.6	28.0	45.21448	958.0	1780.0
.0	0.0	0.00000	0.0	0.0

INGE=C020200

IC1	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
.0	25.0	40.30118	992.0	1260.0
.0	25.0	40.41107	1002.0	1010.0
.0	29.0	45.26199	1250.0	685.0
.0	20.0	31.51730	126.3	783.0
.0	92.0	73.95441	1100.0	957.0
.0	30.0	47.82889	1031.0	1060.0
.0	44.0	65.57690	1055.0	929.0
.0	30.0	48.07916	940.0	857.0
.0	26.0	42.03418	1084.0	1230.0
.0	22.0	35.17267	875.0	603.0
.3	27.0	43.54733	1031.0	834.0
.7	30.0	47.83090	1031.0	1060.0
.0	21.0	31.14035	0.0	861.0
.0	21.0	32.51824	0.0	949.0
.0	20.0	29.29333	0.0	924.0
.6	30.0	48.08005	940.0	857.0
.0	0.0	0.00000	0.0	0.0
.6	26.0	42.03470	1084.0	1230.0
.0	18.0	26.91571	0.0	760.0
.0	0.0	0.00000	0.0	0.0
.7	44.0	65.57779	1055.0	929.0

IANGE=C020200 AREA IN KM**2=747.7 VOLUME IN KM**3= 74.3

:1C1	SIO2_1MG/L1	CHALCEDCNY	DEPIH_1EI1	IDS_1MG/L1
1.0	0.0	0.00000	0.0	0.0
1.7	92.0	74.16260	1100.0	957.0
0.6	29.0	45.27271	1250.0	685.0
0.6	20.0	31.51730	1263.0	783.0
0.6	98.0	39.65215	1263.0	846.0
3.0	0.0	0.00000	0.0	0.0
2.0	0.0	0.00000	0.0	0.0
0.6	25.0	40.41159	1002.0	1010.0
1.7	35.0	54.84625	992.0	1260.0
1.0	0.0	0.00000	0.0	0.0
2.0	0.0	0.00000	0.0	0.0
0.0	24.0	38.58580	0.0	1090.0
0.0	21.0	32.59479	0.0	1180.0
0.0	0.0	0.00000	0.0	0.0

RANGE=C030100

L1C1	SIO2_1MG/L1	CHALCEDCNY	DEPIH_1EI1	IDS_1MG/L1
0.0	21.0	33.10104	0.0	602.0
0.0	0.0	0.00000	0.0	0.0

RANGE=C030200

_1C1	SIO2_1MG/L1	CHALCEDCNY	DEPIH_1EI1	IDS_1MG/L1
3.0	23.0	36.84457	0.0	683.0
1.7	22.0	35.17325	875.0	603.0

INGE=0020500 AREA IN KM**2=41[illegible].8 VOLUME IN KM**3=123.8

[C]	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
.0	31.0	49.26480	0.0	518.0
.5	23.0	36.93192	0.0	1010.0

INGE=0020600

[C]	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
.0	0.0	0.00000	900.0	438.0
.9	39.0	60.01761	900.0	468.0
.6	0.0	0.00000	900.0	0.0
.0	0.0	0.00000	900.0	0.0
.0	0.0	0.00000	900.0	0.0
.4	0.0	0.00000	900.0	0.0
.4	0.0	0.00000	900.0	0.0
.9	0.0	0.00000	900.0	0.0
.0	0.0	0.00000	0.0	0.0
.0	0.0	0.00000	0.0	0.0
.0	34.0	53.25937	0.0	439.0
.5	0.0	0.00000	0.0	0.0

INGE=0020700

[C]	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
.5	0.0	0.00000	0.0	0.0
.0	26.0	40.84485	0.0	392.0
.0	0.0	0.00000	0.0	0.0
.0	0.0	0.00000	0.0	0.0
.0	0.0	0.00000	0.0	0.0
.0	0.0	0.00000	0.0	0.0
.0	0.0	0.00000	0.0	0.0
.0	0.0	0.00000	0.0	0.0
.0	0.0	0.00000	600.0	0.0
.0	0.0	0.00000	0.0	0.0
.5	0.0	0.00000	0.0	0.0

NGE=8060800 AREA IN KM**2=206.4 VOLUME IN KM**3= 61.9

NGE=8060900

NGE=8061000

NGE=8070800

[C]	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
.0	0.0	0.00000	0.0	0.0
.0	0.0	0.00000	0.0	0.0
.0	0.0	0.00000	0.0	0.0
.0	25.0	37.33264	0.0	337.0
.0	0.0	0.00000	0.0	0.0

NGE=8070900

[C]	SIO2_(MG/L)	CHALCEDONY	DEPTH_(FT)	TDS_(MG/L)
.0	0.0	0.00000	165.0	291.0
.0	0.0	0.00000	165.0	274.0
.0	0.0	0.00000	0.0	0.0
.0	0.0	0.00000	0.0	0.0
.0	26.0	42.11194	717.0	235.0
.0	0.0	0.00000	0.0	0.0
.0	0.0	0.00000	0.0	0.0
.0	0.0	0.00000	0.0	0.0
.0	0.0	0.00000	0.0	0.0
.7	0.0	0.00000	1650.0	333.0
.2	0.0	0.00000	1650.0	274.0

NGE=8071000