Poy-ah-Now

Well head elevation 2,571.5 ft

Distance from M.Pt. to G.S 1.4 ft

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
7/11/2006	2:00 PM	34.67	2,535	
8/8/2006	12:00 PM	34.00	2,536	
8/29/2006	1:49 PM	33.91	2,536	
9/15/2006	4:50 PM	34.12	2,536	
11/13/2006	1:50 PM	33.86	2,535	
1/16/2007	3:50 PM	41.51	2,528	
2/21/2007	5:15 PM	40.04	2,530	
4/13/2007	11:30 AM	41.02	2,529	
6/27/2007	1:15 PM	42.60	2,528	
8/15/2007	10:30 AM	41.95	2,528	
10/18/2007	10:30 AM	42.50	2,527	

Rainbow Drive

Well head elevation 2,913.8 ft

Distance from M.Pt. to G.S 1.0 ft

Total Depth of Well >600 ft

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
8/29/2006	1:30 PM	116.37	2,796	
9/14/2006	12:00 PM	110.90	2,802	
9/15/2006	6:15 PM	112.64	2,800	
11/10/2006	4:50 PM	114.32	2,798	
1/17/2007	2:47 PM	117.49	2,795	
2/23/2007	9:57 AM	118.76	2,794	
4/13/2007	11:50 AM	114.72	2,798	
6/22/2007	1:00 PM	116.09	2,797	
8/15/2007	10:50 AM	119.31	2,794	
10/18/2007	11:00 AM	121.53	2,791	

Road 274

Well head elevation [illegible] ft

Distance from M.P. to G.S. [illegible] ft

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
8/8/2006	4:00 PM	65.74	3,071	
8/29/2006	3:00 PM	65.85	3,070	
9/15/2006	9:45 AM	65.00	3,071	
11/[illegible]9/2006	10:58 AM	65.00	3,071	
1/16/2007	1:40 PM	67.00	3,069	
2/21/2007	3:53 PM	66.87	3,070	
4/13/2007	12:21 PM	66.85	3,070	
6/22/2007	12:12 PM	66.91	3,070	
8/15/2007	12:30 PM	68.35	3,068	
10/18/2007	[illegible]2:15 PM	70.75	3,065	

Wild Rose Lane

Well head elevation 2,734.4 ft

Distance from M.P. to G.S. 1.7 ft

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
7/21/2006	10:00 AM	97.80	2,689	
8/9/2006	12:30 PM	26.36	2,696	
8/29/2006	4:00 PM	39.18	2,684	
9/14/2006	4:00 PM	99.86	2,687	
[illegible]/[illegible]8/2006	12:00 PM	30.00	2,687	
1/17/2007	2:15 PM	50.21	2,683	
2/21/2007	5:00 PM	54.56	2,682	
4/13/2007	12:40 PM	47.12	2,670	Just measured
6/22/2007	12:37 PM	45.39	2,671	
8/15/2007	11:15 AM	47.00	2,670	
10/18/2007	11:45 AM	47.56	2,669	

Wild Rose Lane

Well head elevation 2,744.6 ft.

Distance from M.P. to G.S. 1.7 ft.

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
7/17/2006	10:25 AM	30.45	2,717	
8/9/2006	12:30 PM	29.88	2,713	
8/29/2006	4:10 PM	40.30	2,703	
9/14/2006	4:10 PM	38.40	2,704	
11/10/2006	12:10 PM	38.80	2,704	
1/17/2007	2:20 PM	41.16	2,702	
2/27/2007	5:07 PM	41.90	2,701	
4/13/2007	12:00 PM	39.90	2,703	
6/22/2007	12:30 PM	42.11	2,701	
8/15/2007	11:25 AM	44.70	2,698	
10/18/2007	11:52 AM	45.09	2,698	

Road 20D

Well head elevation 2,672.4 ft.

Distance from M.P. to G.S. 1.3 ft.

Total Depth of Well >520 ft.

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
7/10/2006	7:45 AM	92.00	2,580	Pumping
8/9/2006	8:45 PM	99.60	2,572	"
8/29/2006	3:15 PM	85.20	2,586	"
9/14/2006	3:30 PM	94.13	2,578	"
9/15/2006	7:30 AM	82.10	2,590	"
11/9/2006	11:00 AM	88.59	2,583	"
1/10/2006	10:00 AM	94.16	2,577	"
7/21/2007	8:45 AM	86.23	2,585	Pumping
4/13/2007	1:10 PM	20.81	2,650	
6/22/2007	3:20 PM	69.84	2,602	Pumping
8/14/2007	9:30 AM	95.52	2,576	"
10/17/2007	4:50 PM	93.94	2,580	"

Kowana Lane

Well head elevation 2,720.1 ft

Distance from M.Pt. to G.S 0.5 ft

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
12/13/2006	1:17 PM	15.10	2,705	
1/17/2007	11:18 AM	14.33	2,706	
2/21/2007	12:10 PM	13.90	2,706	
4/12/2007	1:35 PM	13.50	2,707	
6/22/2007	11:40 AM	13.00	2,707	
8/15/2007	2:00 PM	17.04	2,703	
10/17/2007	2:55 PM	17.83	2,702	

Road 274 - Gentle Way

Well head elevation 3,255.9 ft

Distance from M.Pt. to G.S -

Total Depth of Well 750 ft

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
10/27/2006	9:44 AM	513.76	2,742	
1/17/2007	10:10 AM	517.19	2,739	
2/21/2007	3:59 PM	515.21	2,741	
4/13/2007	8:00 PM	514.67	2,741	
6/22/2007	11:52 AM	517.20	2,739	
8/15/2007	12:40 PM	520.00	2,736	
10/18/2007	12:58 PM	524.16	2,732	

Road 274 - Gentle Way

Well head elevation 3,307.4 ft

Distance from M.Pt. to G.S 1.1 ft

Total Depth of Well 300 ft

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
10/27/2006	9:30 AM	42.75	3,265	
1/17/2007	10:25 AM	42.42	3,265	
2/21/2007	4:15 PM	42.47	3,265	
4/13/2007	9:20 PM	41.96	3,265	
6/22/2007	11:47 AM	42.00	3,265	
8/15/2007	12:55 PM	44.09	3,263	
10/18/2007	1:17 PM	46.00	3,261	

Road 274 - Gentle Way

Well head elevation 3,345.7 ft
Distance from M.P. to G.S -
Total Depth of Well 1,092 ft

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
10/27/2006	9:22 AM	623.48	2,720	
1/17/2007	10:45 AM	611.70	2,734	[illegible]
2/21/2007	4:23 PM	596.50	2,750	
4/18/2007	2:20 PM	613.50	2,733	Approx. 9
6/22/2007	12:40 PM	621.00	2,725	"
8/15/2007	1:13 PM	620.00	2,726	"

Road 225

Well head elevation 2,750.2 ft
Distance from M.P. to G.S -

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
1/17/2007	4:30 PM	10.20	2,740	
2/22/2007	2:00 PM	11.05	2,739	
4/17/2007	12:15 PM	9.20	2,741	
6/22/2007	11:15 AM	11.49	2,739	
8/15/2007	11:30 AM	12.37	2,738	
10/18/2007	11:21 AM	12.05	2,738	

Measured by: J. McPhetridge

APPENDIX E

CHEMICAL ANALYSES OF WELL WATER IN NORTH FORK AREA

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax: (559)445-3680
ELAP Certification Number: 1888 James J. Spolsdoff, Laboratory Director

Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector
0705-07133	18218	5/11/2007	5/10/2007	7:30 PM	Jen McPhelridge

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

System Type: 01
Sample Type: Routine
Water Syst #:
Census Tract:
Well Number:
APN:

Sample Site:

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Arsenic	01002	<2 µg/L		10 µg/L	2 µg/L	E. Lennon, PHC	5/31/2007
Iron	01045	590 µg/L		300 µg/L	100 µg/L	S. Steelkamb, PHC	5/24/2007
Manganese	01055	<20 µg/L		50 µg/L	20 µg/L	E. Lennon, PHC	5/31/2007
S.E.C.	00095	110 µmho/cm		900 µmho/cm	20 µmho/cm	K. Lor, PHC	5/11/2007
Fluoride	00951	<0.1 mg/L		2.0 mg/L	0.1 mg/L	L. Assadourian	5/11/2007
Nitrate (ion)	71850	11.2 mg/L		45 mg/L	2.0 mg/L	L. Assadourian	5/11/2007
pH	00403	5.68 Std Units				K. Lor, PHC	5/11/2007
TDS	70300	120 mg/L		500 mg/L	1 mg/L	K. Lor, PHC	5/15/2007

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
AL = Action Level
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" if Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 6/4/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 FAX: (559)445-3580
State of California Laboratory Accreditation Program Certification Number 1888
James J. Spaletta, Laboratory Director

0705-07113	5/11/2007	5/10/2007	7:30 PM	Jen McPhetridge
Lab Number	Date Received	Date Collected	Time Collected	Collector/Inspector

Account # 18212
System Type 01
Sample Type 01
Water Sys #
Census Tract
Well Number
APN

Ken Schmidt & Associates
500 W. Shaw Ste. #250
Fresno, CA 93704

Attn: Ken Schmidt

Sample Site:

RADIOLOGICAL TEST RESULTS BY EPA METHOD 900.0

Analysis	Result (pCi/L)	C.E. (± pCi/S)	MCL	Date Prepared	Date Analyzed	Chemist
Gross Alpha	2.0	0.15	15	5/14/2007	6/7/2007	Larissa Assadourian

Analyst:

Date Reported: 6/7/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax: (559)445-3580
ELAP Certification Number: 1888 James J. Spaldoff, Laboratory Director

0705-07134	18272	5/11/2007	5/10/2007	9:30 AM	Jen McPhetridge
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

SystemType: 01

Sample Type: Routine

Water Sys #:

Census Tract:

Well Number:

APN:

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

Sample Site:

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Arsenic	01002	<2 µg/L		10 µg/L	2 µg/L	E. Lennon, PHC	5/24/2007
Iron	01045	<100 µg/L		300 µg/L	100 µg/L	S. Stasikonis, PHC	5/22/2007
Manganese	01055	<20 µg/L		50 µg/L	20 µg/L	E. Lennon, PHC	5/24/2007
S.E.C.	00095	272 µmho/cm		900 µmho/cm	20 µmho/cm	K. Lor, PHC	5/11/2007
Fluoride	00951	0.1 mg/L		2.0 mg/L	0.1 mg/L	L. Assadourian	5/11/2007
Nitrate (as)	71850	4.1 mg/L		45 mg/L	2.0 mg/L	L. Assadourian	5/11/2007
pH	00403	6.50 Std Units				K. Lor, PHC	5/11/2007
TDS	70300	220 mg/L		500 mg/L	1 mg/L	K. Lor, PHC	5/15/2007

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
AL = Action Level
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" if Result Exceeds MCL

J. J. Spaldoff

Director / Chemistry Supervisor / QA Officer

Date Reported: 6/*/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 AIL Phone: (559)445-3357 FAX: (559)445-3580
State of California Laboratory Accreditation Program Certification Number 1668
James J. Spaletloff, Laboratory Director

0705-37134	5/11/2007	5/10/2007	9:30 AM	Jan McPherrigg
LabNumber	Date Received	Date Collected	Time Collected	Collector/Inspector

Account # 19212
System Type 01
Sample Type D1
Water Sys #
Census Tract
Well Number
APN

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

Sample Site:

RADIOLOGICAL TEST RESULTS BY EPA METHOD 900.0

Analysis	Result (pCi/L)	C.E. (± pCi/S)	MCL	Date Prepared	Date Analyzed	Chemist
Gross Alpha	21.0	0.32	15	5/11/2007	6/7/2007	Larissa Assadourian

Analyst:

DateReported: 6/7/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall. Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax: (559)445-3680
ELAP Certification Number: 1988 James J. Spaletloff, Laboratory Director

0705-07135	10212	5/11/2007	5/10/2007	8:00 AM	Jen McPhelridge
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

SystemType: 01

Sample Type: Routine

Water Sys #:

Census Tract:

Well Number:

APN:

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

Sample Site:

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Arsenic	01002	<2 µg/L		10 µg/L	2 µg/L	E. Lennon, PHC	5/24/2007
Iron	01045	<100 µg/L		300 µg/L	100 µg/L	S. Staslkonis, PHC	5/22/2007
Manganese	01055	<20 µg/L		50 µg/L	20 µg/L	E. Lennon, PHC	5/24/2007
S.E.C.	00095	146 µmho/cm		900 µmho/cm	20 µmho/cm	K. Lor, PHC	5/11/2007
Fluoride	00951	<0.1 mg/L		2.0 mg/L	0.1 mg/L	L. Assadourian	5/11/2007
Nitrate (ion)	71850	9.5 mg/L		45 mg/L	2.0 mg/L	L. Assadourian	5/11/2007
pH	00403	6.19 Std Units				K. Lor, PHC	5/11/2007
TDS	70300	130 mg/L		500 mg/L	1 mg/L	K. Lor, PHC	5/15/2007

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
AL = Action Level
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" If Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 6/1/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 FAX: (559)445-3580
State of California Laboratory Accreditation Program Certification Number 1860
James J. Spolsdoff, Laboratory Director

LabNumber	Date Received	Date Collected	Time Collected	Collector/Inspector
0705-07135	5/11/2007	5/10/2007	9:00 AM	Jon McPheridge

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

Account # 18212
System Type 01
Sample Type 07
Water Sys #
Census Tract
Well Number
APN

Sample Site: _____

RADIOLOGICAL TEST RESULTS BY EPA METHOD 900.0

Analysis	Result (pCi/L)	C.E. (± pCi/S)	MCL	Date Prepared	Date Analyzed	Chemist
Gross Alpha	7.0	0.20	15	5/14/2007	6/7/2007	Larissa Assadourian

Analyst: _____

DateReported: 6/7/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax: (559)445-3580
ELAP Certification Number: 1868 James J. Spolsdoff, Laboratory Director

0705-07136	18212	5/11/2007	5/10/2007	12:30 PM	Jon McPhetridge
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

SystemType: 01
Sample Type: Routine
Water Sys #:
Census Tract:
Well Number:
APN:

Sample Site:

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Arsenic	01002	3.2 µg/L		10 µg/L	2 µg/L	E. Lennon, PHC	5/31/2007
Iron	01045	470 µg/L		300 µg/L	100 µg/L	S. Staalkoats, PHC	5/24/2007
Manganese	01055	21 µg/L		50 µg/L	20 µg/L	E. Lenaon, PHC	5/31/2007
S.E.C.	00095	168 µmho/cm		900 µmho/cm	20 µmho/cm	K. Lor, PHC	5/11/2007
Fluoride	00951	0.1 mg/L		2.0 mg/L	0.1 mg/L	L. Assadourian	5/11/2007
Nitrate (as)	71850	<2.0 mg/L		45 mg/L	2.0 mg/L	L. Assadourian	5/11/2007
pH	00403	6.78 Std Units				K. Lor, PHC	5/11/2007
TDS	70300	150 mg/L		500 mg/L	1 mg/L	K. Lor, PHC	5/15/2007

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
AL = Action Level
CNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" If Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 5/4/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3357 FAX: (559)445-3530
State of California Laboratory Accreditation Program Certification Number 1828
James J. Spasaoff, Laboratory Director

0705-07138	5/11/2007	5/10/2007	12:30 PM	Jen McPherrigo
LabNumber	Date Received	Date Collected	Time Collected	Collector/Inspector

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

Account # 18212
System Type 01
Sample Type 01
Water Sys #
Census Tract
Well Number
APN

Sample Site:

RADIOLOGICAL TEST RESULTS BY EPA METHOD 900.0

Analysis	Result (pCi/L)	C.E. (± pCi/L)	MCL	Date Prepared	Date Analyzed	Chemist
Gross Alpha	15.5	0.25	15	5/14/2007	5/7/2007	Carissa Asaadourian

Analyst:

Date Reported: 5/7/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax: (559)445-3680
ELAP Certification Number: 1868 James J. Spolsdoff, Laboratory Director

0705-07137	18212	5/11/2007	5/10/2007	12:10 PM	Jen McPhetridge
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

System Type: 01
Sample Type: Routine
Water Sys #:
Census Tract:
Well Number:
APN:

Sample Site:

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Checklist	Date Analyzed
Arsenic	01002	<2 µg/L		10 µg/L	2 µg/L	E. Lennon, PHC	5/31/2007
Iron	01045	320 µg/L		300 µg/L	100 µg/L	S. Stasikonis, PHC	5/24/2007
Manganese	01055	<20 µg/L		50 µg/L	20 µg/L	E. Lennon, PHC	5/31/2007
S.E.C.	00095	178 µmho/cm		900 µmho/cm	20 µmho/cm	K. Lor, PHC	5/11/2007
Fluoride	00951	<0.1 mg/L		2.0 mg/L	0.1 mg/L	L. Assadourian	5/11/2007
Nitrate (ion)	71850	14.7 mg/L		45 mg/L	2.0 mg/L	L. Assadourian	5/11/2007
ph:	00403	6.31 Std Units				K. Lor, PHC	5/14/2007
TDS	70300	170 mg/L		500 mg/L	1 mg/L	K. Lor, PHC	5/15/2007

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
AL = Action Level
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" If Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 6/4/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3447 Alt. Phone: (559)445-3357 FAX: (559)445-3520
State of California Laboratory Accreditation Program Certification Number 1888
James J. Spotanoff, Laboratory Director

0705-07137	5/11/2007	5/10/2007	12:10 PM	Jen McPhetridge
LabNumber	Date Received	Date Collected	Time Collected	Collector/Inspector

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

Account # 1827
System Type 01
Sample Type 01
Water Sys #
Census Tract
Well Number
APN

Sample Site:

RADIOLOGICAL TEST RESULTS BY EPA METHOD 900.0

Analysis	Result (pCi/L)	C.E. (± pCi/S)	MCL	Date Prepared	Date Analyzed	Chemist
Gross Alpha	5.0	0.23	15	6/14/2007	6/7/2007	Larissa Asadourian

Analyst:

DateReported: 6/7/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax: (559)446-3680
ELAP Certification Number: 1888 James J. Spoelsdoff, Laboratory Director

6705-07138	18212	5/11/2007	5/10/2007	4:00 PM	Jon McPhetridge
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

SystemType: 01

Sample Type: Routine

Water Sys #:

Census Tract:

Well Number:

APN:

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno, CA 93704

Attn: Ken Schmidt

Sample Site:

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Arsenic	01002	<2 µg/L		10 µg/L	2 µg/L	E. Lennon, PHC	5/24/2007
Iron	01045	<100 µg/L		300 µg/L	100 µg/L	E. Lennon, PHC	5/24/2007
Manganese	01055	<20 µg/L		50 µg/L	20 µg/L	E. Lennon, PHC	5/24/2007
S.E.C.	00095	245 µmho/cm		900 µmho/cm	20 µmho/cm	K. Lor, PHC	5/11/2007
Fluoride	00951	<0.1 mg/L		2.0 mg/L	0.1 mg/L	L. Assadourian	5/11/2007
Nitrate (Ion)	71850	11.5 mg/L		45 mg/L	2.0 mg/L	L. Assadourian	5/11/2007
pH	00403	6.28 Std Units				K. Lor, PHC	5/14/2007
TDS	70300	210 mg/L		500 mg/L	1 mg/L	K. Lor, PHC	5/15/2007

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
AL = Action Level
CNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" if Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 5/1/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 FAX: (559)445-3590
State of California Laboratory Accreditation Program Certification Number 1066
James J. Sprlakoff, Laboratory Director

0705-07138	5/11/2007	5/10/2007	4:00 PM	Jan McPheitridge
LabNumber	Date Received	Date Collected	Time Collected	Collector/Inspector

Account # 18212
System Type 01
Sample Type 01
Water Sys #
Census Tract
Well Number
APN

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

Sample Site:

RADIOLOGICAL TEST RESULTS BY EPA METHOD 900.0

Analysis	Result (pCi/L)	C.E. (± pCi/S)	MCL	Date Prepared	Date Analyzed	Chemist
Gross Alpha	29.0	0.43	15	5/14/2007	6/7/2007	Larissa Asadourian

Analyst: ______

DateReported: 6/7/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 AIL Phone: (559)445-3397 Fax: (559)445-3580
ELAP Certification Number: 1888 James J. Spalsdoff, Laboratory Director

0705-07139	10212	5/11/2007	5/10/2007	2:30 PM	Jon McPhetridge
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

System Type: 01
Sample Type: Routine
Water Sys #:
Census Tract:
Well Number:
APN:

Sample Site:

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Arsenic	01002	<2 µg/L		10 µg/L	2 µg/L	E. Lennon, PHC	5/24/2007
Iron	01045	<100 µg/L		300 µg/L	100 µg/L	S. Stasikonis, PHC	5/22/2007
Manganese	01055	<20 µg/L		50 µg/L	20 µg/L	E. Lennon, PHC	5/24/2007
S.E.C.	00095	248 µmho/cm		900 µmho/cm	20 µmho/cm	K. Lor, PHC	5/11/2007
Fluoride	00951	<0.1 mg/L		2.0 mg/L	0.1 mg/L	L. Assadourian	5/11/2007
Nitrate (ion)	71850	6.9 mg/L		45 mg/L	2.0 mg/L	L. Assadourian	5/11/2007
pH	00403	6.56 Std Units				K. Lor, PHC	5/14/2007
TDS	70300	210 mg/L		500 mg/L	1 mg/L	K. Lor, PHC	5/15/2007

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
AL = Action Level
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" If Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 6/1/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 FAX: (559)445-3580
State of California Laboratory Accreditation Program Certification Number 1855
James J. Spoleden, Laboratory Director

LabNumber	Date Received	Date Collected	Time Collected	Collector/Inspector
0705-07139	5/11/2007	5/10/2007	2:30 PM	Jen McPhetridge

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

Account # 18212
System Type 01
Sample Type 01
Water Sys #
Census Tract
Well Number
APN

Sample Site:

RADIOLOGICAL TEST RESULTS BY EPA METHOD 900.0

Analyte	Result (pCi/L)	C.E. (± pCi/S)	MCL	Date Prepared	Date Analyzed	Chemist
Gross Alpha	32.0	0.40	15	5/14/2007	6/7/2007	Larissa Asadourian

Analyst: _____

DateReported: 6/7/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax: (559)445-3560
ELAP Certification Number: 1888 James J. Spolsdoff, Laboratory Director

0705-07140	18213	5/11/2007	5/10/2007	3:00 PM	Jan McPhatridge
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

SystemType: 01

Sample Type: Routine

Water Sys #:

Census Tract:

Well Number:

APN:

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

Sample Site:

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Arsenic	01002	<2 µg/L		10 µg/L	2 µg/L	E. Lennon, PHC	5/24/2007
Iron	01045	<100 µg/L		300 µg/L	100 µg/L	S. Stasikonis, PHC	5/22/2007
Manganese	01055	<20 µg/L		50 µg/L	20 µg/L	E. Lennon, PHC	5/24/2007
S.E.C.	00095	182 µmho/cm		900 µmho/cm	20 µmho/cm	K. Lor, PHC	5/11/2007
Fluoride	00951	<0.1 mg/L		2.0 mg/L	0.1 mg/L	L. Assadourian	5/11/2007
Nitrate (Ion)	71850	14.3 mg/L		45 mg/L	2.0 mg/L	L. Assadourian	5/11/2007
pH	00403	6.57 Std Units				K. Lor, PHC	5/14/2007
TDS	70300	160 mg/L		500 mg/L	1 mg/L	K. Lor, PHC	5/18/2007

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
AL = Action Level
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" If Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 6/1/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 FAX: (559)445-3550
State of California Laboratory Accreditation Program Certification Number 1888
James J. Spaletolf, Laboratory Director

0705-0740	5/11/2007	5/11/2007	3:00 PM	Jan McPhetridge
Lab Number	Date Received	Date Collected	Time Collected	Collector/Inspector

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

Account # 18212
System Type 01
Sample Type 01
Water Sys #
Census Tract
Well Number
APN

Sample Site:

RADIOLOGICAL TEST RESULTS BY EPA METHOD 900.0

Analysis	Result (pCi/L)	C.I. (± pCi/S)	MCL	Date Prepared	Date Analyzed	Chemist
Gross Alpha	4.0	0.17	15	5/15/2007	6/8/2007	Larisea Asaadourian

Analyst:

DataReported: 6/8/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3297 Fax: (559)445-3586
ELAP Certification Number: 1868 James J. Spolsdoff, Laboratory Director

0705-07141	19212	5/11/2007	5/10/2007	3:30 PM	Jon McPhetridge
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

SystemType: 01

Sample Type: Routine

Water Sys #:

Census Tract:

Well Number:

APN:

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

Sample Site:

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Arsenic	01002	<2 µg/L		10 µg/L	2 µg/L	E. Lennon, PHC	5/24/2007
Iron	01045	<100 µg/L		300 µg/L	100 µg/L	S. Stasikonis, PHC	5/22/2007
Manganese	01055	<20 µg/L		50 µg/L	20 µg/L	E. Lennon, PHC	5/24/2007
S.E.C.	00095	234 µmho/cm		900 µmho/cm	20 µmho/cm	K. Lor, PHC	5/11/2007
Fluoride	00951	<0.1 mg/L		2.0 mg/L	0.1 mg/L	L. Assadourian	5/11/2007
Nitrate (Ion)	71850	36.7 mg/L		45 mg/L	2.0 mg/L	L. Assadourian	5/11/2007
pH	00403	8.51 Std Units				K. Lor, PHC	5/14/2007
TDS	70300	214 mg/L		500 mg/L	1 mg/L	K. Lor, PHC	5/18/2007

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
AL = Action Level
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" If Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 5/1/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93776
Phone: (559)445-3407 Alt. Phone: (559)445-3297 FAX: (559)445-3680
State of California Laboratory Accreditation Program Certification Number 1868
James J. Spaisdott, Laboratory Director

(0709-0741)	5/11/2007	5/10/2007	3:30 PM	Jeri McPhetridge
LabNumber	Date Received	Date Collected	Time Collected	Collector/Inspector

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

Account # 19212
System Type 01
Sample Type 01
Water Sys #
Census Tract
Well Number
APN

Sample Site

RADIOLOGICAL TEST RESULTS BY EPA METHOD 900.0

Analysis	Result (pCi/L)	C.E. (± pCi/S)	MCL	Date Prepared	Date Analyzed	Chemist
Gross Alpha	7.0	0.21	15	5/15/2007	5/8/2007	Larissa Assadourian

Analyst:

DateReported: 6/6/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax: (559)445-3590
ELAP Certification Number: 1698 James J. Spolsdoff, Laboratory Director

Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector
0705-07142	18212	5/11/2007	5/10/2007	4:25 PM	Jon McPhelridge

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

System Type: 01
Sample Type: Routine
Water Sys #:
Census Tract:
Well Number:
APN:

Sample Site:

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Arsenic	01002	<2 µg/L		10 µg/L	2 µg/L	E. Lennon, PHC	5/24/2007
Iron	01045	<100 µg/L		300 µg/L	100 µg/L	S. Stasikonis, PHC	5/22/2007
Manganese	01055	<20 µg/L		50 µg/L	20 µg/L	E. Lennon, PHC	5/24/2007
S.E.C.	00095	220 µmho/cm		900 µmho/cm	20 µmho/cm	K. Lor, PHC	5/11/2007
Fluoride	00951	<0.1 mg/L		2.0 mg/L	0.1 mg/L	L. Assadourian	5/11/2007
Nitrate (ion)	71850	5.6 mg/L		45 mg/L	2.0 mg/L	L. Assadourian	5/11/2007
pH	00403	6.70 Std Units				K. Lor, PHC	5/14/2007
TDS	70300	170 mg/L		500 mg/L	1 mg/L	K. Lor, PHC	5/10/2007

MCL = Maximum Contaminent Level
DLR = Detection Level for Reporting
AL = Action Level
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" If Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 06/01/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 FAX: (559)445-3580
State of California Laboratory Accreditation Program Certification Number 1898
James J. Spaletta, Laboratory Director

LabNumber	Date Received	Date Collected	Time Collected	Collector/Inspector
0705-07142	5/11/2007	5/10/2007	4:30 PM	Jen McPhetridge

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

Account # 10212
System Type 01
Sample Type 01
Water Sys #
Census Tract
Well Number
APN

Sample Site:

RADIOLOGICAL TEST RESULTS BY EPA METHOD 900.0

Analysis	Result (pCi/L)	C.E. (± pCi/S)	MCL	Date Prepared	Date Analyzed	Chemist
Gross Alpha	31.0	0.35	15	5/15/2007	6/8/2007	Larissa Asadourian

Analyst:

DateReported: 06/08/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3357 Fax: (559)445-3680
ELAP Certification Number: 1888 James J. Spolsdoff, Laboratory Director

0705-07143	18212	5/11/2007	5/10/2007	11:40 AM	Jon McPhetridge
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

System Type: 01
Sample Type: Routine
Water Sys #:
Census Tract:
Well Number:
APN:

Sample Site:

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Arsenic	01002	<2 µg/L		10 µg/L	2 µg/L	E. Lennon, PHC	5/24/2007
Iron	01045	<100 µg/L		300 µg/L	100 µg/L	S. Stasikonis, PHC	5/22/2007
Manganese	01055	<20 µg/L		50 µg/L	20 µg/L	E. Lennon, PHC	5/24/2007
S.E.C.	00095	116 µmho/cm		900 µmho/cm	20 µmho/cm	K. Lor, PHC	5/11/2007
Fluoride	00951	<0.1 mg/L		2.0 mg/L	0.1 mg/L	L. Assadourian	5/11/2007
Nitrate (Ion)	71850	3.6 mg/L		45 mg/L	2.0 mg/L	L. Assadourian	5/11/2007
pH	00403	6.61 Std Units				K. Lor, PHC	5/14/2007
TDS	70300	110 mg/L		500 mg/L	1 mg/L	K. Lor, PHC	5/18/2007

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
AL = Action Level
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" If Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 06/01/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3837 FAX: (559)445-3580
State of California Laboratory Accreditation Program Certification Number 1559
James J. Spaldoni, Laboratory Director

0705-07143	5/11/2007	5/10/2007	11:40 AM	Jan McPhetridge
LabNumber	Date Received	Date Collected	Time Collected	Collector/Inspector

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

Account # 18212
System Type D1
Sample Type D1
Water Sys #
Census Tract
Well Number
APN

Sample Site:

RADIOLOGICAL TEST RESULTS BY EPA METHOD 900.0

Analysis	Result (pCi/L)	C.E. (± pCi/S)	MCL	Date Prepared	Date Analyzed	Chemist
Gross Alpha	3.0	0.17	15	5/15/2007	6/8/2007	Larissa Assadourian

Analyst:

DateReported: 06/08/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3357 Fax: (559)445-3560
ELAP Certification Number: 1838 James J. Spaletloff, Laboratory Director

Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector
0705-07144	18212	5/11/2007	5/10/2007	2:00 PM	Jon McPhetridge

System Type: 01
Sample Type: Routine
Water Sys #:
Census Tract:
Well Number:
APN:

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

Sample Site:

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Arsenic	01002	<2 µg/L		10 µg/L	2 µg/L	E. Lennon, PHC	5/24/2007
Iron	01045	120 µg/L		300 µg/L	100 µg/L	S. Stasikonis, PHC	5/22/2007
Manganese	01055	<20 µg/L		50 µg/L	20 µg/L	E. Lennon, PHC	5/24/2007
S.E.C.	00095	119 µmho/cm		900 µmho/cm	20 µmho/cm	K. Lor, PHC	5/11/2007
Fluoride	00951	<0.1 mg/L		2.0 mg/L	0.1 mg/L	L. Assadourian	5/11/2007
Nitrate (as)	71850	3.6 mg/L		45 mg/L	2.0 mg/L	L. Assadourian	5/11/2007
pH	00403	6.68 Std Units				K. Lor, PHC	5/14/2007
TDS	70300	200 mg/L		500 mg/L	1 mg/L	K. Lor, PHC	5/16/2007

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
AL = Action Level
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" if Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 6/1/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 FAX: (559)445-3580
State of California Laboratory Accreditation Program Certification Number 1882
James J. Sookdeo, Laboratory Director

07053-0/144	5/11/2007	5/10/2007	2:00 PM	Jon McPhetridge
LabNumber	Date Received	Date Collected	Time Collected	Collector/Inspector

Account # 10212
System Type 01
Sample Type 01
Water Sys #
Census Tract
Well Number
APN

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

Sample Site:

RADIOLOGICAL TEST RESULTS BY EPA METHOD 900.0

Analysis	Result (pCi/L)	C.E. (± pCi/S)	MCL	Date Prepared	Date Analyzed	Chemist
Gross Alpha	9.0	0.23	15	5/15/2007	6/8/2007	Larissa Assadourian

Analyst:

Date Reported: 6/8/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax: (559)445-3540
ELAP Certification Number: 1868 James J. Spaisdoff, Laboratory Director

0705-07145	13212	5/11/2007	5/10/2007	9:00 AM	Jan McPhetridge
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno, CA 93704

Attn: Ken Schmidt

System Type: 01
Sample Type: Routine
Water Sys #:
Census Tract:
Well Number:
APN:

Sample Site:

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Arsenic	01002	<2 µg/L		10 µg/L	2 µg/L	E. Lennon, PHC	5/24/2007
Iron	01045	<100 µg/L		300 µg/L	100 µg/L	S. Stasikonis, PHC	6/22/2007
Manganese	01055	29 µg/L		50 µg/L	20 µg/L	E. Lennon, PHC	5/24/2007
S.E.C.	00095	207 µmho/cm		900 µmho/cm	20 µmho/cm	K. Lor, PHC	5/11/2007
Fluoride	00951	<0.1 mg/L		2.0 mg/L	0.1 mg/L	L. Assadourian	5/11/2007
Nitrate (ion)	71850	10.2 mg/L		45 mg/L	2.0 mg/L	L. Assadourian	5/11/2007
pH	00403	6.69 Std Units				K. Lor, PHC	5/14/2007
TDS	70300	210 mg/L		500 mg/L	1 mg/L	K. Lor, PHC	5/16/2007

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
AL = Action Level
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" If Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 6/1/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 FAX: (559)445-3380
State of California Laboratory Accreditation Program Certification Number 1828
James J. Spaletta, Laboratory Director

0705-07-45	5/11/2007	5/10/2007	9:00 AM	Jeff McPhetridge
LabNumber	Date Received	Date Collected	Time Collected	Collector/Inspector

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

Account # 19212
System Type 01
Sample Type 01
Water Sys #
Census Tract
Well Number
APN

Sample Site:

RADIOLOGICAL TEST RESULTS BY EPA METHOD 900.0

Analysis	Result (pCi/L)	C.E. (± pCi/S)	MCL	Date Prepared	Date Analyzed	Chemist
Gross Alpha	4.0	0.15	15	5/15/2007	6/20/2007	Larissa Asadourian

Amended Report

Analyst: _____

DateReported: 6/20/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax: (559)445-3580
ELAP Certification Number: 1382 James J. Spolsdoff, Laboratory Director

0705-07146	18212	5/11/2007	5/10/2007	10:50 AM	Jan McPhetridge
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

System Type: 01
Sample Type: Routine
Water Sys #:
Census Tract:
Well Number:
APN:

Sample Site:

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Arsenic	01002	<2 µg/L		10 µg/L	2 µg/L	E. Lennon, PHC	5/24/2007
Iron	01045	<100 µg/L		300 µg/L	100 µg/L	S. Stasikonis, PHC	5/22/2007
Manganese	01055	<20 µg/L		50 µg/L	20 µg/L	E. Lennon, PHC	5/24/2007
S.E.C.	00095	199 µmho/cm		900 µmho/cm	20 µmho/cm	K. Lor, PHC	5/11/2007
Fluoride	00951	0.3 mg/L		2.0 mg/L	0.1 mg/L	L. Assadourian	5/11/2007
Nitrate (ion)	71850	<2.0 mg/L		45 mg/L	2.0 mg/L	L. Assadourian	5/11/2007
pH	00403	6.82 Std Units				K. Lor, PHC	5/14/2007
TDS	70300	160 mg/L		500 mg/L	1 mg/L	K. Lor, PHC	5/18/2007

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
AL = Action Level
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" If Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 5/1/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 After Hours: (559)445-3357 FAX: (559)445-3520
State of California Laboratory Accreditation Program Certification Number 1888
James J. Spolsdoff, Laboratory Director

LabNumber	Date Received	Date Collected	Time Collected	Collector/Inspector
0705-07145	5/11/2007	5/10/2007	10:50 AM	Jon McPhetridge

Account # 18212
System Type 01
Sample Type 01
Water Sys #
Census Tract
Well Number
APN

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

Sample Site:

RADIOLOGICAL TEST RESULTS BY EPA METHOD 900.0

Analysis	Result (pCi/L)	C.E. (± pCi/L)	MCL	Date Prepared	Date Analyzed	Chemist
Gross Alpha	6.0	0.20	15	5/15/2007	6/8/2007	Larissa Assadourian

Analyst:

DateReported: 6/8/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax: (559)445-3590
ELAP Certification Number: 1888 James J. Spaisdoft, Laboratory Director

0705-07147	18212	5/11/2007	5/10/2007	10:30 AM	Jon McPhetridge
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

Ken Schmidt & Associates
800 W. Shaw Ste. #250
Fresno, CA 93704

Attn: Ken Schmidt

System Type: 01
Sample Type: Routine
Water Sys #:
Census Tract:
Well Number:
APN:

Sample Site:

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Arsenic	01002	<2 µg/L		10 µg/L	2 µg/L	E. Lennon, PHC	5/31/2007
Iron	01045	740 µg/L		300 µg/L	100 µg/L	S. Stasikonis, PHC	5/24/2007
Manganese	01055	<20 µg/L		50 µg/L	20 µg/L	E. Lennon, PHC	5/31/2007
S.E.C.	00095	223 µmho/cm		900 µmho/cm	20 µmho/cm	K. Lor, PHC	5/11/2007
Fluoride	00951	0.1 mg/L		2.0 mg/L	0.1 mg/L	L. Asesdourian	5/11/2007
Nitrate (ion)	71850	<2.0 mg/L		45 mg/L	2.0 mg/L	L. Asesdourian	5/11/2007
pH	00403	6.85 Std Units				K. Lor, PHC	5/14/2007
TDS	70300	170 mg/L		500 mg/L	1 mg/L	K. Lor, PHC	5/22/2007

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
AL = Action Level
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" if Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 6/4/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3447 Alt. Phone: (888)448-3387 FAX: (559)445-3580
State of California Laboratory Accreditation Program Certification Number 1888
James J. Spaletta, Laboratory Director

0705-07147	5/11/2007	5/10/2007	10:30 AM	Jen McPhatridge
LabNumber	Date Received	Date Collected	Time Collected	Collector/Inspector

Account # 18212
System Type 01
Sample Type 01
Water Sys #
Census Tract
Well Number
APN

Ken Schmidt & Associates
800 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

Sample Site:

RADIOLOGICAL TEST RESULTS BY EPA METHOD 900.0

Analysis	Result (pCi/L)	C.E. (± pCi/S)	MCL	Date Prepared	Date Analyzed	Chemist
Gross Alpha	<1.0	0.15	15	5/15/2007	6/8/2007	Larissa Assadourian

Analyst:

DateReported: 6/8/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax: (559)445-3580
ELAP Certification Number: 1686 James J. Spaisdoff, Laboratory Director

0705-07148	18212	5/11/2007	5/10/2007	10:00 AM	Jen McPhetridge
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

SystemType: 01

Sample Type: Routine

Water Sys #:

Census Tract:

Well Number:

APN:

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

Sample Site:

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Arsenic	01002	<2 µg/L		10 µg/L	2 µg/L	E. Lennon, PHC	5/31/2007
Iron	01045	580 µg/L		300 µg/L	100 µg/L	S. Staalkonis, PHC	5/24/2007
Manganese	01055	<20 µg/L		50 µg/L	20 µg/L	E. Lennon, PHC	5/31/2007
S.E.C.	00095	136 µmho/cm		900 µmho/cm	20 µmho/cm	K. Lor, PHC	5/11/2007
Fluoride	00951	0.1 mg/L		2.0 mg/L	0.1 mg/L	L. Assadourian	5/11/2007
Nitrate (ion)	71850	<2.0 mg/L		45 mg/L	2.0 mg/L	L. Assadourian	5/17/2007
pH	00403	6.86 Std. Units				K. Lor, PHC	5/14/2007
TDS	70300	120 mg/L		500 mg/L	1 mg/L	K. Lor, PHC	5/22/2007

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
AL = Action Level
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" if Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 6/4/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3367 FAX: (559)445-3580
State of California Laboratory Accreditation Program Certification Number 1886
James J. Spolsdoff, Laboratory Director

0705-07148	5/11/2007	5/10/2007	10:00 AM	Jan McPhetridge
LabNumber	Date Received	Date Collected	Time Collected	Collector/Inspector

Account # 18212
System Type 01
Sample Type 01
Water Sys #
Census Tract
Well Number
APN

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

Sample Site:

RADIOLOGICAL TEST RESULTS BY EPA METHOD 900.0

Analysis	Result (pCi/L)	C.E. (± pCi/S)	MCL	Date Prepared	Date Analyzed	Chemist
Gross Alpha	3.0	0.20	15	5/16/2007	6/8/2007	Larissa Asadourian

Analyst:

DateReported: 6/8/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3297 Fax: (559)445-2580
ELAP Certification Number: 1402 James J. Spotsdoff, Laboratory Director

0705-07149	18212	5/11/2007	5/10/2007	1:40 PM	Jen McPhetridge
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

System Type: 01
Sample Type: Routine
Water Sys #:
Census Tract:
Well Number:
APN:

Sample Site:

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Arsenic	01002	<2 µg/L		10 µg/L	2 µg/L	E. Lennon, PHC	5/24/2007
Iron	01045	<100 µg/L		300 µg/L	100 µg/L	S. Stasikouls, PHC	5/22/2007
Manganese	01055	<20 µg/L		50 µg/L	20 µg/L	E. Lennon, PHC	5/24/2007
S.E.C.	00095	143 µmho/cm		900 µmho/cm	20 µmho/cm	K. Lor, PHC	5/11/2007
Fluoride	00951	<0.1 mg/L		2.0 mg/L	0.1 mg/L	L. Assadourian	5/11/2007
Nitrate (Ion)	71850	4.2 mg/L		45 mg/L	2.0 mg/L	L. Assadourian	5/11/2007
pH	00403	6.77 Std Units				K. Lor, PHC	5/14/2007
TDS	70300	130 mg/L		500 mg/L	1 mg/L	K. Lor, PHC	5/22/2007

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
AL = Action Level
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" If Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 6/1/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3357 FAX: (559)445-3580
State of California Laboratory Accreditation Program Certification Number 1868
James J. Sadeghi, Laboratory Director

LabNumber	Date Received	Date Collected	Time Collected	Collector/Inspector
0705-07149	5/11/2007	5/10/2007	1:40 PM	Jon McPhetridge

Ken Schmidt & Associates
900 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

Account # 18212
System Type 01
Sample Type 01
Water Sys #
Census Tract
Well Number
APN

Sample Site:

RADIOLOGICAL TEST RESULTS BY EPA METHOD 900.0

Analysis	Result (pCi/L)	C.E. (± pCi/L)	MCL	Date Prepared	Date Analyzed	Chemist
Gross Alpha	72.0	0.50	15	5/15/2007	6/9/2007	Larissa Assadourian

Analyst:

DateReported: 6/9/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax: (559)445-3580
ELAP Certification Number: 1868 James J. Spoladoff, Laboratory Director

Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector
0705-07150	19212	5/11/2007	5/10/2007	12:50 PM	Jen McPhetridge

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

System Type: 01
Sample Type: Routine
Water Sys #:
Census Tract:
Well Number:
APN:

Sample Site:

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Arsenic	01002	<2 µg/L		10 µg/L	2 µg/L	E. Lennon, PHC	5/31/2007
Iron	01045	420 µg/L		300 µg/L	100 µg/L	S. Stasikonis, PHC	5/24/2007
Manganese	01055	<20 µg/L		50 µg/L	20 µg/L	E. Lennon, PHC	5/31/2007
S.E.C.	00095	250 µmho/cm		900 µmho/cm	20 µmho/cm	K. Lor, PHC	5/11/2007
Fluoride	00951	0.1 mg/L		2.0 mg/L	0.1 mg/L	L. Assadourian	5/11/2007
Nitrate (ion)	71850	9.9 mg/L		45 mg/L	2.0 mg/L	L. Assadourian	5/11/2007
pH	00403	6.87 Std Units				K. Lor, PHC	5/14/2007
TDS	70300	200 mg/L		500 mg/L	1 mg/L	K. Lor, PHC	5/22/2007

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
AL = Action Level
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" if Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 6/4/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3367 FAX: (559)445-3580
State of California Laboratory Accreditation Program Certification Number 1868
James J. Spaletta, Laboratory Director

0705-07150	5/11/2007	5/10/2007	12:50 PM	Jon McPheridge
LabNumber	Date Received	Date Collected	Time Collected	Collector/Inspector

Account # 4817
System Type D1
Sample Type D1
Water Sys #
Census Tract
Well Number
APN

Ken Schmidt & Associates
800 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

Sample Site:

RADIOLOGICAL TEST RESULTS BY EPA METHOD 900.0

Analysis	Result (pCi/L)	C.E. (± pCi/S)	MCL	Date Prepared	Date Analyzed	Chemist
Gross Alpha	<1.0	0.12	15	5/15/2007	6/8/2007	Larissa Asserfourian

Analyst:

DateReported: 6/8/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3597 Fax: (559)445-3580
ELAP Certification Number: 1688 James J. Spolsdoff, Laboratory Director

Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector
0705-07151	18212	5/11/2007	5/10/2007	1:15 PM	Jon McPhetridge

SystemType: 01

Sample Type: Routine

Water Sys #:

Census Tract:

Well Number:

APN:

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

Sample Site:

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Arsenic	01002	2.5 µg/L		10 µg/L	2 µg/L	E. Lennon, PHC	5/24/2007
Iron	01045	<100 µg/L		300 µg/L	100 µg/L	S. Stasikonis, PHC	5/22/2007
Manganese	01055	<20 µg/L		50 µg/L	20 µg/L	E. Lennon, PHC	5/24/2007
S.E.C.	00095	301 µmho/cm		900 µmho/cm	20 µmho/cm	K. Lor, PHC	5/11/2007
Fluoride	00951	<0.1 mg/L		2.0 mg/L	0.1 mg/L	L. Assadourian	5/11/2007
Nitrate (Ion)	71850	2.5 mg/L		45 mg/L	2.0 mg/L	L. Assadourian	5/11/2007
pH	00403	7.53 Std Units				K. Lor, PHC	5/14/2007
TDS	70300	220 mg/L		500 mg/L	1 mg/L	K. Lor, PHC	5/22/2007

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
AL = Action Level
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" if Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 6/1/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 FAX: (559)445-3580
State of California Laboratory Accreditation Program Certification Number 1255
James J. Spaletta, Laboratory Director

0705-07151	5/11/2007	5/10/2007	1:15 PM	Jen McPhetridge
LabNumber	Date Received	Date Collected	Time Collected	Collector/Inspector

Account # 18212
System Type 01
Sample Type 01
Water Sys #
Census Tract
Well Number
APN

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

Sample Site:

RADIOLOGICAL TEST RESULTS BY EPA METHOD 900.0

Analysis	Result (pCi/L)	C.E. (± pCi/S)	MCL	Date Prepared	Date Analyzed	Chemist
Gross Alpha	50.0	0.51	15	5/14/2007	6/8/2007	Larissa Asadourian

Analyst: _____

DateReported: 5/8/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3357 Fax: (559)445-3580
ELAP Certification Number: 1988 James J. Spoladoff, Laboratory Director

07/05-07152	18212	5/11/2007	5/10/2007	11:52 AM	Jon McPhetridge
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

SystemType: 01
Sample Type: Routine
Water Sys #:
Census Tract:
Well Number:
APN:

Sample Site:

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Arsenic	01002	<2 µg/L		10 µg/L	2 µg/L	E. Lennon, PHC	5/24/2007
Iron	01045	110 µg/L		300 µg/L	100 µg/L	S. Staalkonis, PHC	5/22/2007
Manganese	01055	<20 µg/L		50 µg/L	20 µg/L	E. Lennon, PHC	5/24/2007
S.E.C.	00095	216 µmho/cm		900 µmho/cm	20 µmho/cm	K. Lor, PHC	5/11/2007
Fluoride	00951	<0.1 mg/L		2.0 mg/L	0.1 mg/L	L. Assadourian	5/11/2007
Nitrate (Ion)	71850	10.2 mg/L		45 mg/L	2.0 mg/L	L. Assadourian	5/11/2007
pH	00403	7.51 Std Units				K. Lor, PHC	5/14/2007
TDS	70300	190 mg/L		500 mg/L	1 mg/L	K. Lor, PHC	5/22/2007

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
AL = Action Level
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" If Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 06/01/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 FAX: (559)445-3580
State of California Laboratory Accreditation Program Certification Number 1888
James J. Spalsdoff, Laboratory Director

07105-07152	5/11/2007	5/10/2007	11:52 AM	Jen McPhetridge
LabNumber	Date Received	Date Collected	Time Collected	Collector/Inspector

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

Account # 18212
System Type 01
Sample Type 01
Water Sys #
Census Tract
Well Number
APN

Sample Site:

RADIOLOGICAL TEST RESULTS BY EPA METHOD 900.0

Analysis	Result (pCi/L)	C.E. (± pCi/S)	MCL	Date Prepared	Date Analyzed	Chemist
Gross Alpha	9.0	0.23	15	5/14/2007	6/8/2007	Larissa Asadourian

Analyst:

DateReported: 06/08/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax: (559)445-3580
ELAP Certification Number: 1888 James J. Spolsdoff, Laboratory Director

0705-07153	19212	5/11/2007	5/10/2007	6:00 PM	Jen McPhetridge
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

System Type: 01
Sample Type: Routine
Water Sys #:
Census Tract:
Well Number:
APN:

Sample Site:

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analyte	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Arsenic	01002	<2 µg/L		10 µg/L	2 µg/L	E. Lennon, PHC	5/24/2007
Iron	01046	<100 µg/L		300 µg/L	100 µg/L	S. Stasikonis, PHC	5/22/2007
Manganese	01055	<20 µg/L		50 µg/L	20 µg/L	E. Lennon, PHC	5/24/2007
S.E.C.	00095	246 µmho/cm		900 µmho/cm	20 µmho/cm	K. Lor, PHC	5/11/2007
Fluoride	00951	<0.1 mg/L		2.0 mg/L	0.1 mg/L	L. Assardourian	5/11/2007
Nitrate (ion)	71850	10.6 mg/L		45 mg/L	2.0 mg/L	L. Assardourian	5/11/2007
pH	00403	7.36 Std Units				K. Lor, PHC	5/14/2007
TDS	70300	200 mg/L		500 mg/L	1 mg/L	K. Lor, PHC	5/22/2007

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
AL = Action Level
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" If Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 6/1/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3107 Alt. Phone: (559)445-3237 FAX: (559)446-3060
State of California Laboratory Accreditation Program Certification Number 1859
James J. Spoledoll, Laboratory Director

0705-07153	5/11/2007	5/10/2007	6:00 PM	Jen McPhetridge
LabNumber	Date Received	Date Collected	Time Collected	Collector/Inspector

Ken Schmidt & Associates
600 W. Shaw Ste. #350
Fresno,CA 93704

Attn: Ken Schmidt

Account # 18212
System Type 01
Sample Type 01
Water Sys #
Census Tract
Well Number
APN

Sample Site: _____

RADIOLOGICAL TEST RESULTS BY EPA METHOD 900.0

Analysis	Result (pCi/L)	C.E. (± pCi/S)	MCL	Date Prepared	Date Analyzed	Chemist
Gross Alpha	3.5	0.19	15	5/14/2007	6/8/2007	Carissa Asadourian

Analyst: _____

DateReported: 6/8/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax: (559)445-3580
ELAP Certification Number: 1858 James J. Spoledoff, Laboratory Director

0705-07154	18212	5/11/2007	5/10/2007	7:00 PM	Jen McPhetridge
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

SystemType: 01

Sample Type: Routine

Water Sys #:

Census Tract:

Well Number:

APN:

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

Sample Site:

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Arsenic	01002	<2 µg/L		10 µg/L	2 µg/L	E. Lennon, PHC	5/24/2007
Iron	01045	350 µg/L		300 µg/L	100 µg/L	S. Staelkonis, PHC	5/22/2007
Manganese	01055	130 µg/L	High	50 µg/L	20 µg/L	E. Lennon, PHC	5/24/2007
S.E.C.	00095	276 µmho/cm		900 µmho/cm	20 µmho/cm	K. Lor, PHC	5/11/2007
Fluoride	00951	1.0 mg/L		2.0 mg/L	0.1 mg/L	L. Assadourian	5/11/2007
Nitrate (Ion)	71850	<2.0 mg/L		45 mg/L	2.0 mg/L	L. Assadourian	5/11/2007
pH	00403	7.65 Std Units				K. Lor, PHC	5/14/2007
TDS	70300	220 mg/L		500 mg/L	1 mg/L	K. Lor, PHC	5/23/2007

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
AL = Action Level
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" If Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 6/1/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 FAX: (559)445-3580
State of California Laboratory Accreditation Program Certification Number 1252
James J. Spolsdoff, Laboratory Director

0705-07154	5/11/2007	5/10/2007	7:00 PM	Jen McPhelridge
LabNumber	Date Received	Date Collected	Time Collected	Collector/Inspector

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

Account # 18212
System Type 01
Sample Type 01
Water Sys #
Census Tract
Well Number
APN

Sample Site:

RADIOLOGICAL TEST RESULTS BY EPA METHOD 900.0

Analysis	Result (pCi/L)	C.E. (± pCi/S)	MCL	Date Prepared	Date Analyzed	Chemist
Gross Alpha	17.0	0.30	15	5/14/2007	6/20/2007	Larissa Asisadourian

Amended Report

Analyst:

DateReported: 6/20/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3387 Fax: (559)445-3580
ELAP Certification Number: 1868 James J. Spaisdoff, Laboratory Director

0705-07250	10212	5/14/2007	5/14/2007	9:40 AM	Jenifer McPhatridge
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

System/Type: 02
Sample Type: Other
Water Sys #:
Census Tract:
Well Number:
APN:

Sample Site:

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Arsenic	01002	<2 µg/L		10 µg/L	2 µg/L	E. Lennon, PHC	5/31/2007
Iron	01045	2600 µg/L		300 µg/L	100 µg/L	S. Stasikonis, PHC	5/24/2007
Manganese	01056	<20 µg/L		50 µg/L	20 µg/L	E. Lennon, PHC	5/31/2007
S.E.C.	00095	150 µmhos/cm		900 µmhos/cm	20 µmhos/cm	K. Lor, PHC	5/14/2007
Fluoride	00951	<0.1 mg/L		2.0 mg/L	0.1 mg/L	L. Assadourian	5/15/2007
Nitrate (Ion)	71850	10.0 mg/L		45 mg/L	2.0 mg/L	L. Assadourian	5/15/2007
pH	00403	6.47 Std Units				K. Lor, PHC	5/14/2007
TDS	70300	140 mg/L		500 mg/L	1 mg/L	K. Lor, PHC	5/23/2007

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
AL = Action Level
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" if Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 5/5/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721   P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407   Alt. Phone: (559)445-3397   FAX: (559)445-3580
State of California Laboratory Accreditation Program Certification Number 1888
James J. Spaladoff, Laboratory Director

0705-07250	5/14/2007	5/14/2007	9:40 AM	Jenifer McPhetridge
LabNumber	Date Received	Date Collected	Time Collected	Collector/Inspector

Account # 18212
System Type 02
Sample Type 99
Water Sys #
Census Tract
Well Number
APN

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

Sample Site:

RADIOLOGICAL TEST RESULTS BY EPA METHOD 900.0

Analysis	Result (pCi/L)	C.E. (± pCi/S)	MCL	Date Prepared	Date Analyzed	Chemist
Gross Alpha	2.0	0.13	15	6/15/2007	6/14/2007	Larissa Assadourian

Analyst: ____________

DateReported: 6/14/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax: (559)445-3580
ELAP Certification Number: 1868 James J. Spolsdoff, Laboratory Director

Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector
0705-07248	18212	5/14/2007	5/14/2007	9:15 AM	Jenifer McPhetridge

System Type: 02
Sample Type: Other
Water Sys #:
Census Tract:
Well Number:
APN:

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

Sample Site:

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Arsenic	01002	<2 µg/L		10 µg/L	2 µg/L	E. Lennon, PHC	5/24/2007
Iron	01045	<100 µg/L		300 µg/L	100 µg/L	S. Stasikonis, PHC	5/22/2007
Manganese	01055	<20 µg/L		50 µg/L	20 µg/L	E. Lennon, PHC	5/24/2007
S.E.C.	00095	202 µmho/cm		900 µmho/cm	20 µmho/cm	K. Lor, PHC	5/14/2007
Fluoride	00951	<0.1 mg/L		2.0 mg/L	0.1 mg/L	L. Assadourian	5/15/2007
Nitrate (Ion)	71850	23.3 mg/L		45 mg/L	2.0 mg/L	L. Assadourian	5/15/2007
pH	00403	8.46 Std Units				K. Lor, PHC	5/14/2007
TDS	70300	180 mg/L		500 mg/L	1 mg/L	K. Lor, PHC	5/23/2007

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
AL = Action Level
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" If Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 6/1/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 FAX: (559)445-3580
State of California Laboratory Accreditation Program Certification Number 1238
James J. Spoladoff, Laboratory Director

0705-07240	5/14/2007	5/14/2007	9:15 AM	Jenifer McPhetridge
LabNumber	Date Received	Date Collected	Time Collected	Collector/Inspector

Account # 18212
System Type 02
Sample Type 99
Water Sys #
Census Tract
Well Number
APN

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

Sample Site:

RADIOLOGICAL TEST RESULTS BY EPA METHOD 900.0

Analysis	Result (pCi/L)	C.E. (± pCi/S)	MCL	Date Prepared	Date Analyzed	Chemist
Gross Alpha	12.0	0.25	15	5/15/2007	6/8/2007	Larissa Assadourian

Analyst:

DateReported: 6/8/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax: (559)445-3680
ELAP Certification Number: 1868 James J. Spoleloff, Laboratory Director

0705-07247	18212	5/14/2007	5/14/2007	10:15 AM	Jenifer McPhetridge
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

System Type: 02
Sample Type: Other
Water Sys #:
Census Tract:
Well Number:
APN:

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

Sample Site:

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Sleuth #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Arsenic	01002	<2 µg/L		10 µg/L	2 µg/L	E. Lennon, PHC	5/24/2007
Iron	01045	<100 µg/L		300 µg/L	100 µg/L	S. Staalkouis, PHC	5/22/2007
Manganese	01055	<20 µg/L		50 µg/L	20 µg/L	E. Lennon, PHC	5/24/2007
S.E.C.	00095	149 µmho/cm		900 µmho/cm	20 µmho/cm	K. Lor, PHC	5/14/2007
Fluoride	00951	<0.1 mg/L		2.0 mg/L	0.1 mg/L	L. Assadourian	5/15/2007
Nitrate (ion)	71850	4.5 mg/L		45 mg/L	2.0 mg/L	L. Assadourian	5/15/2007
pH	00403	6.39 Std Units				K. Lor, PHC	5/14/2007
TDS	70300	130 mg/L		500 mg/L	1 mg/L	K. Lor, PHC	5/23/2007

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
AL = Action Level
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" if Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 6/1/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 FAX: (559)445-3590
State of California Laboratory Accreditation Program Certification Number 1666
James J. Spofford, Laboratory Director

0705-07247	5/14/2007	5/14/2007	10:15 AM	Jenifer McPhetridge
LabNumber	Date Received	Date Collected	Time Collected	Collector/Inspector

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Kent Schmidt

Account # 18717
System Type 02
Sample Type 99
Water Sys #
Census Tract
Well Number
APN

Sample Site:

RADIOLOGICAL TEST RESULTS BY EPA METHOD 900.0

Analysis	Result (pCi/L)	C.E. (± pCi/S)	MCL	Date Prepared	Date Analyzed	Chemist
Gross Alpha	1.0	0.13	15	5/15/2007	6/8/2007	Larissa Assadourian

Analyst:

Date Reported: 6/8/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax (559)445-3680
ELAP Certification Number: 1868 James J. Spolsdoff, Laboratory Director

0705-07246	18212	5/14/2007	5/14/2007	10:40 AM	Jenifer McPhetridge
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

SystemType: 02

Sample Type: Other

Water Sys #:

Census Tract:

Well Number:

APN:

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

Sample Site:

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Sigret #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Arsenic	01002	7.3 µg/L		10 µg/L	2 µg/L	E. Lennon, PHC	5/31/2007
Iron	01045	12000 µg/L		300 µg/L	100 µg/L	S. Stasikonis, PHC	5/24/2007
Manganese	01055	139 µg/L	High	50 µg/L	20 µg/L	E. Lennon, PHC	5/31/2007
S.E.C.	00095	216 µmho/cm		900 µmho/cm	20 µmho/cm	K. Lor, PHC	5/14/2007
Fluoride	00951	0.3 mg/L		2.0 mg/L	0.1 mg/L	L. Assadourian	5/15/2007
Nitrate (as)	71850	<2.0 mg/L		45 mg/L	2.0 mg/L	L. Assadourian	5/15/2007
pH	00403	6.66 Std Units				K. Lor, PHC	5/14/2007
TDS	70300	210 mg/L		500 mg/L	1 mg/L	K. Lor, PHC	5/23/2007

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
AL = Action Level
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" If Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 5/4/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3447 Alt. Phone: (866)440-3397 FAX: (559)445-3560
State of California Laboratory Accreditation Program Certification Number 1888
Jamie J. Spaletti, Laboratory Director

0705-07246	5/14/2007	5/14/2007	10:40 AM	Jennifer McPheridge
LabNumber	Date Received	Date Collected	Time Collected	Collector/Inspector

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno, CA 93704

Attn: Ken Schmidt

Account # 18212
System Type D2
Sample Type 69
Water Sys #
Census Tract
Well Number
APN

Sample Site:

RADIOLOGICAL TEST RESULTS BY EPA METHOD 900.0

Analysis	Result (pCi/L)	C.E. (± pCi/S)	MCL	Date Prepared	Date Analyzed	Chemist
Gross Alpha	20.0	0.31	15	5/16/2007	6/8/2007	Larissa Assadourian

Analyst:

Date Reported: 6/8/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax: (559)445-3580
ELAP Certification Number: 1828 James J. Spaisdoff, Laboratory Director

Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector
0705-07249	16212	5/14/2007	5/14/2007	8:30 AM	Jenifer McPhetridge

SystemType: 02
Sample Type: Other
Water Sys #:
Census Tract:
Well Number:
APN:

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

Sample Site:

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Arsenic	01002	<2 µg/L		10 µg/L	2 µg/L	E. Lennon, PHC	5/24/2007
Iron	01045	<100 µg/L		300 µg/L	100 µg/L	S. Stasikonis, PHC	5/22/2007
Manganese	01055	<20 µg/L		50 µg/L	20 µg/L	E. Lennon, PHC	5/24/2007
S.E.C.	00095	112 µmho/cm		900 µmho/cm	20 µmho/cm	K. Lor, PHC	5/14/2007
Fluoride	00951	<0.1 mg/L		2.0 mg/L	0.1 mg/L	L. Assadourian	5/15/2007
Nitrate (as)	71850	8.0 mg/L		45 mg/L	2.0 mg/L	L. Assadourian	5/15/2007
pH	00403	6.32 Std Units				K. Lor, PHC	5/14/2007
TDS	70300	98 mg/L		500 mg/L	1 mg/L	K. Lor, PHC	5/23/2007

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
AL = Action Level
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" If Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 6/1/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 FAX: (559)445-3580
State of California Laboratory Accreditation Program Certification Number 1888
James J. Spolsdoff, Laboratory Director

0705-07219	5/11/2007	5/11/2007	9:30 AM	Jenifer McPhetridge
LabNumber	Date Received	Date Collected	Time Collected	Collector/Inspector

Ken Schmidt & Associates
600 W. Shaw Ste. #250
Fresno,CA 93704

Attn: Ken Schmidt

Account # 18212
System Type 02
Sample Type 99
Water Sys #
Census Tract
Well Number
APN

Sample Site:

RADIOLOGICAL TEST RESULTS BY EPA METHOD 900.0

Analysis	Result (pCi/L)	C.E. (± pCi/L)	MCL	Date Prepared	Date Analyzed	Chemist
Gross Alpha	2.0	0.13	15	5/15/2007	6/14/2007	Larissa Asadourian

Analyst:

DateReported: 6/14/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)449-3397 Fax: (559)445-3560
ELAP Certification Number: 1868 James J. Sjoblom, Laboratory Director

0502-01344	08698	2/1/2005	1/21/2005	7:30 AM	Tom Wheeler
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

Tom Wheeler
P.O. Box 593
North Fork,CA 93643

Attn: Tom Wheeler

System Type: 02
Sample Type: Routine
Water Sys #:
Census Tract:
Well Number:
APN: 060-417-008

Sample Site:

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Aluminum	01105	<50 µg/L		1000 µg/L	50 µg/L	E. Lennon, PHC	2/8/2005
Arsenic	01002	5.7 µg/L		50 µg/L	2 µg/L	E. Lennon, PHC	2/8/2005
Lead	01051	<5 µg/L			5 µg/L	E. Lennon, PHC	2/8/2005
Copper	01042	<50 µg/L		1000 µg/L	50 µg/L	E. Lennon, PHC	2/8/2005
Iron	01045	<100 µg/L			100 µg/L	E. Lennon, PHC	2/8/2005
Manganese	01055	<20 µg/L		50 µg/L	20 µg/L	E. Lennon, PHC	2/8/2005
Fluoride	00951	0.5 mg/L		2.0 mg/L	0.1 mg/L	L. Asatryan, PHC	2/2/2005
Nitrate (Ion)	71950	<2.0 mg/L		45 mg/L	2.0 mg/L	L. Asatryan, PHC	2/2/2005
pH	00403	7.6 pH				K. Lor, PHC	2/2/2005

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" if Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 2/19/2005

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3087 FAX: (559)445-3569
State of California Laboratory Accreditation Program Certification Number 1588
James J. Spaisdeff, Laboratory Director

LabNumber	Date Received	Date Collected	Time Collected	Collector/Inspector
0502-01344	2/1/2005	1/31/2005	7:30 AM	Tom Wheeler

Tom Wheeler
P.O. Box 593
North Fork,CA 93643

Attn: Tom Wheeler

Account #	08030
System Type	02
Sample Type	01
Water Sys #	
Census Tract	
Well Number	
APN	050-417-008

Sample Site:

RADIOLOGICAL TEST RESULTS BY EPA METHOD 900.0

Analysis	Result (pCi/L)	C.E. (± pCi/L)	MCL	Date Prepared	Date Analyzed	Chemist
Gross Alpha	10.7	0.17	15	2/2/2005	2/22/2005	Larissa Asalryan

Analyst: _____

DateReported: 02/22/2005

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax: (559)445-3580
ELAP Certification Number: 1998 James J. Spaisdoff, Laboratory Director

0412-14011	03805	12/6/2004	12/5/2004	10:00 AM	Brian Curtis
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

Cascadel Mutual Water Company
59827 Cascadel Drive
North Fork, CA 93643
Attn: Brian Curtis

SystemType: 02
Sample Type: Routine
Water Sys #: 2001518
Census Tract:
Well Number: 1A
APN:

Sample Site: Well #1A

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Aluminum	01105	<50 µg/L		1000 µg/L	50 µg/L	E. Lennon, PHC	1/1/2005
Arsenic	01002	4.0 µg/L		50 µg/L	2 µg/L	E. Lennon, PHC	1/1/2005
Barium	01007	<100 µg/L		1000 µg/L	100 µg/L	E. Lennon, PHC	1/1/2005
Cadmium	01027	<1 µg/L		5 µg/L	1 µg/L	E. Lennon, PHC	1/1/2005
Total Chromium	A-044	<1.0 µg/L		50 µg/L	1.0 µg/L	E. Lennon, PHC	1/1/2005
Lead	01051	<5 µg/L			5 µg/L	E. Lennon, PHC	1/1/2005
Mercury	71900	<0.5 µg/L		2 µg/L	0.5 µg/L	L. Asatryan, PHC	12/8/2004
Selenium	01147	<5 µg/L		50 µg/L	5 µg/L	E. Lennon, PHC	1/1/2005
Silver	01077	<10 µg/L		100 µg/L	10 µg/L	E. Lennon, PHC	1/1/2005
Antimony	01097	<6 µg/L		6 µg/L	6 µg/L	E. Lennon, PHC	1/1/2005
Beryllium	01012	<1 µg/L		4 µg/L	1 µg/L	E. Lennon, PHC	1/1/2005
Nickel	01067	<10 µg/L		100 µg/L	10 µg/L	E. Lennon, PHC	1/1/2005
Thallium	01059	<1 µg/L		2 µg/L	1 µg/L	E. Lennon, PHC	1/1/2005
Calcium	00915	42 mg/L			2 mg/L	K. Lor, PHC	12/21/2004
Copper	01042	<50 µg/L		1000 µg/L	50 µg/L	E. Lennon, PHC	1/1/2005
Iron	01045	<100 µg/L		300 µg/L	100 µg/L	K. Lor, PHC	12/21/2004
Magnesium	00927	3 mg/L			2 mg/L	K. Lor, PHC	12/20/2004
Manganese	01055	<20 µg/L		50 µg/L	20 µg/L	E. Lennon, PHC	1/1/2005
Potassium	00937	<1.0 mg/L			1.0 mg/L	K. Lor, PHC	12/22/2004
Sodium	00929	14 mg/L			1 mg/L	K. Lor, PHC	12/17/2004
Zinc	01092	100 µg/L			50 µg/L	E. Lennon, PHC	1/1/2005
Color	00081	<5 Units		15 Units	5 Units	K. Lor, PHC	12/6/2004
S.E.C.	00095	250 µmho/cm		900 µmho/cm	20 µmho/cm	K. Lor, PHC	12/7/2004
Turbidity	82079	0.10 NTU		5 NTU	0.05 NTU	K. Lor, PHC	12/6/2004
Total Hardness	00900	111 mg/L			20 mg/L	K. Lor, PHC	12/7/2004
Alkalinity	00410	156 mg/L			20 mg/L	K. Lor, PHC	12/7/2004
Chloride	00940	2.6 mg/L		250 mg/L	2 mg/L	L. Asatryan, PHC	12/6/2004
Fluoride	00951	1.3 mg/L		2.0 mg/L	0.1 mg/L	L. Asatryan, PHC	12/6/2004
Nitrate (ion)	71950	<2.0 mg/L		45 mg/L	2.0 mg/L	L. Asatryan, PHC	12/6/2004
Nitrite (as N)	00620	<400 µg/L		1000 µg/L	400 µg/L	L. Asatryan, PHC	12/6/2004
Sulfate	00945	1.6 mg/L		250 mg/L	0.5 mg/L	L. Asatryan, PHC	12/6/2004
pH	00403	7.7 pH				K. Lor, PHC	12/7/2004

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" if Result Exceeds MCL

L. S. Lennon

Director / Chemistry Supervisor / QA Officer

Date Reported: 01/07/2005

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax: (559)445-3560
ELAP Certification Number: 1868 James J. Spotsdeff, Laboratory Director

0412-14011	06805	12/6/2004	12/6/2004	10:00 AM	Brian Curtis
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

Cascadel Mutual Water Company
59827 Cascadel Drive
North Fork, CA 93643
Attn: Brian Curtis

System Type: 02
Sample Type: Routine
Water Sys #: 2001515
Census Tract:
Well Number: 1A
APN:

Sample Site: Well #1A

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Bicarbonate (HCO3)	00440	148 mg/L			2 mg/L	L. Soriano, PHC	12/15/2004
Carbonate (CO3)	00445	<2 mg/L			2 mg/L	L. Soriano, PHC	12/15/2004
Corrosivity		Mod Aggressive				L. Soriano, PHC	12/16/2004
MBAS	38260	<0.025 mg/L		0.5 mg/L	0.025 mg/L	M. Ickes, PHC	12/7/2004
Odor	00086	Not Detected		3 TON	0 TON	K. Lor, PHC	12/6/2004
TDS	70300	184 mg/L		500 mg/L	1 mg/L	M. Ickes, PHC	12/9/2004
Hydroxide (OH)	71830	<0.5 mg/L			0.5 mg/L	L. Soriano, PHC	12/16/2004

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" If Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 01/07/2005

Basslake Annex #3

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721   P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407   Alt. Phone: (559)445-3397   Fax: (559)445-3580
ELAP Certification Number: 1668   James J. Spolsdoff, Laboratory Director

Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector
0605-05622	05658	5/4/2006	5/3/2006	12:34 PM	Bob Protzman

Protzman Enterprises
PO Box 347
Raymond,CA 93653

Attn: Bob Protzman

K-400
K-500
Z-SKP
71850
00620

RECEIVED
MAY 3 0 2006

SystemType: 01 MAO
Sample Type: Routine
Water Sys #: 2000501
Census Tract:
Well Number:
APN:

Sample Site: 35813 Highland Drive, Wishon - Site #1

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Calcium	00916	10 mg/L			2 mg/L	K. Lor, PHC	5/12/2006
Copper	01042	<50 µg/L		1300 µg/L	50 µg/L	E. Lennon, PHC	5/10/2006
Iron	01045	460 µg/L		300 µg/L	100 µg/L	K. Lor, PHC	5/15/2006
Magnesium	00927	3 mg/L			2 mg/L	K. Lor, PHC	5/12/2006
Manganese	01055	<20 µg/L		50 µg/L	20 µg/L	E. Lennon, PHC	5/10/2006
Potassium	00937	2 mg/L			1.0 mg/L	K. Lor, PHC	5/17/2006
Sodium	00929	11 mg/L			2 mg/L	K. Lor, PHC	5/18/2006
Zinc	01092	130 µg/L		5000 µg/L	50 µg/L	E. Lennon, PHC	5/10/2006
Color	00081	10 Units		15 Units	5 Units	K. Lor, PHC	5/4/2006
S.E.C.	00095	152 µmho/cm		900 µmho/cm	20 µmho/cm	K. Lor, PHC	5/4/2006
Turbidity	82079	1.6 NTU		5 NTU	0.05 NTU	K. Lor, PHC	5/4/2006
Total Hardness	00900	43 mg/L			20 mg/L	K. Lor, PHC	5/4/2006
Alkalinity	00410	73 mg/L			20 mg/L	K. Lor, PHC	5/4/2006
Chloride	00940	4.8 mg/L		250 mg/L	2 mg/L	L. Asatryan, PHC	5/4/2006
Fluoride	00951	<0.1 mg/L		2.0 mg/L	0.1 mg/L	L. Asatryan, PHC	5/4/2006
Nitrate (Ion)	71850	4.6 mg/L		45 mg/L	2.0 mg/L	L. Asatryan, PHC	5/4/2006
Nitrite (as N)	00620	<400 µg/L		1000 µg/L	400 µg/L	L. Asatryan, PHC	5/4/2006
Sulfate	00945	1.8 mg/L		250 mg/L	0.5 mg/L	L. Asatryan, PHC	5/4/2006
pH	00403	6.17 pH				K. Lor, PHC	5/4/2006
Bicarbonate (HCO3)	00440	23 mg/L			2 mg/L	L. Soriano, PHC	5/16/2006
Carbonate (CO3)	00445	<2 mg/L			2 mg/L	L. Soriano, PHC	5/16/2006
Corrosivity		Highly Aggressive				L. Soriano, PHC	5/16/2006
MBAS	38260	<0.025 mg/L		0.5 mg/L	0.025 mg/L	M. Ickes, PHC	5/11/2006
Odor	00086	1 TON		3 TON	0 TON	K. Lor, PHC	5/4/2006
TDS	70300	120 mg/L		500 mg/L	1 mg/L	M. Ickes, PHC	5/8/2006
Hydroxide (OH)	71830	<0.5 mg/L			0.5 mg/L	L. Soriano, PHC	5/16/2006

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" If Result Exceeds MCL

L. Soriano

Director / Chemistry Supervisor / QA Officer

Date Reported: 05/18/2006

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax: (559)445-3520
ELAP Certification Number: 1898 James J. Spoladori, Laboratory Director

0412-14012	03805	12/6/2004	12/6/2004	10:30 AM	Brian Curtis
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

SystemType: 02
Sample Type: Routine
Water Sys #: 2001613
Census Tract:
Well Number: 2
APN:

Cascadel Mutual Water Company
59827 Cascadel Drive
North Fork,CA 93643
Attn: Brian Curtis

Sample Site: Well #2

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Aluminum	01105	<50 µg/L		1000 µg/L	50 µg/L	E. Lennon, PHC	1/1/2005
Arsenic	01002	<2 µg/L		50 µg/L	2 µg/L	E. Lennon, PHC	1/1/2005
Barium	01007	<100 µg/L		1000 µg/L	100 µg/L	E. Lennon, PHC	1/1/2005
Cadmium	01027	<1 µg/L		5 µg/L	1 µg/L	E. Lennon, PHC	1/1/2005
Total Chromium	A-044	<1.0 µg/L		50 µg/L	1.0 µg/L	E. Lennon, PHC	1/1/2005
Lead	01051	<5 µg/L			5 µg/L	E. Lennon, PHC	1/1/2005
Mercury	71900	<0.5 µg/L		2 µg/L	0.5 µg/L	L. Asatryan, PHC	12/8/2004
Selenium	01147	<5 µg/L		50 µg/L	5 µg/L	E. Lennon, PHC	1/1/2005
Silver	01077	<10 µg/L		100 µg/L	10 µg/L	E. Lennon, PHC	1/1/2005
Antimony	01097	<6 µg/L		6 µg/L	6 µg/L	E. Lennon, PHC	1/1/2005
Beryllium	01012	<1 µg/L		4 µg/L	1 µg/L	E. Lennon, PHC	1/1/2005
Nickel	01067	<10 µg/L		100 µg/L	10 µg/L	E. Lennon, PHC	1/1/2005
Thallium	01059	<1 µg/L		2 µg/L	1 µg/L	E. Lennon, PHC	1/1/2005
Calcium	00916	31 mg/L			2 mg/L	K. Lor, PHC	12/21/2004
Copper	01042	<50 µg/L		1000 µg/L	50 µg/L	E. Lennon, PHC	1/1/2005
Iron	01045	<100 µg/L		300 µg/L	100 µg/L	K. Lor, PHC	12/22/2004
Magnesium	00927	2 mg/L			2 mg/L	K. Lor, PHC	12/20/2004
Manganese	01055	<20 µg/L		50 µg/L	20 µg/L	E. Lennon, PHC	1/1/2005
Potassium	00937	1 mg/L			1.0 mg/L	K. Lor, PHC	12/22/2004
Sodium	00929	13 mg/L			2 mg/L	K. Lor, PHC	12/17/2004
Zinc	01092	60 µg/L			50 µg/L	E. Lennon, PHC	1/1/2005
Color	00081	<5 Units		15 Units	5 Units	K. Lor, PHC	12/6/2004
S.E.C.	00095	180 µmho/cm		900 µmho/cm	20 µmho/cm	K. Lor, PHC	12/7/2004
Turbidity	82079	0.10 NTU		5 NTU	0.05 NTU	K. Lor, PHC	12/6/2004
Total Hardness	00900	77 mg/L			20 mg/L	K. Lor, PHC	12/7/2004
Alkalinity	00410	113 mg/L			20 mg/L	K. Lor, PHC	12/7/2004
Chloride	00940	2.0 mg/L		250 mg/L	2 mg/L	L. Asatryan, PHC	12/6/2004
Fluoride	00951	<0.1 mg/L		2.0 mg/L	0.1 mg/L	L. Asatryan, PHC	12/6/2004
Nitrate (Ion)	71850	<2.0 mg/L		45 mg/L	2.0 mg/L	L. Asatryan, PHC	12/6/2004
Nitrite (as N)	00620	<400 µg/L		1000 µg/L	400 µg/L	L. Asatryan, PHC	12/6/2004
Sulfate	00945	0.6 mg/l		250 mg/L	0.5 mg/L	L. Asatryan, PHC	12/6/2004
pH	00403	7.1 pH				K. Lor, PHC	12/7/2004

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" if Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 01/07/2005

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax: (559)445-3580
ELAP Certification Number: 1986 James J. Spaksdoff, Laboratory Director

0412-14012	08805	12/6/2004	12/6/2004	10:30 AM	Brian Curtis
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

Cascadel Mutual Water Company
59627 Cascadel Drive
North Fork,CA 93643
Attn: Brian Curtis

System Type: 02
Sample Type: Routine
Water Sys #: 2001518
Census Tract:
Well Number: 2
APN:

Sample Site: Well #2

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Bicarbonate (HCO3)	00440	95 mg/L			2 mg/L	L. Soriano, PHC	12/15/2004
Carbonate (CO3)	00445	<2 mg/L			2 mg/L	L. Soriano, PHC	12/15/2004
Corrosivity		Mod Aggressive				L. Soriano, PHC	12/16/2004
MBAS	38260	<0.025 mg/L		0.5 mg/L	0.025 mg/L	M. Ickes, PHC	12/7/2004
Odor	00086	Not Detected		3 TON	0 TON	K. Lor, PHC	12/6/2004
TDS	70300	160 mg/L		500 mg/L	1 mg/L	M. Ickes, PHC	12/9/2004
Hydroxide (OH)	71830	<0.5 mg/L			0.5 mg/L	L. Soriano, PHC	12/16/2004

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" if Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 01/07/2005

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax: (559)445-3560
ELAP Certification Number: 1868 James J. Spotaderi, Laboratory Director

0412-14013	03805	12/6/2004	12/6/2004	11:00 AM	Brian Curtis
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

Cascadel Mutual Water Company
59627 Cascadel Drive
North Fork,CA 93643
Attn: Brian Curtis

System Type: 02
Sample Type: Routine
Water Sys #: 2001518
Census Tract:
Well Number:
APN:

Sample Site: Spring Box

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Aluminum	01105	<50 µg/L		1000 µg/L	50 µg/L	E. Lennon, PHC	1/1/2005
Arsenic	01002	<2 µg/L		50 µg/L	2 µg/L	E. Lennon, PHC	1/1/2005
Barium	01007	<100 µg/L		1000 µg/L	100 µg/L	E. Lennon, PHC	1/1/2005
Cadmium	01027	<1 µg/L		5 µg/L	1 µg/L	E. Lennon, PHC	1/1/2005
Total Chromium	A-044	<1.0 µg/L		50 µg/L	1.0 µg/L	E. Lennon, PHC	1/1/2005
Lead	01051	<5 µg/L			5 µg/L	E. Lennon, PHC	1/1/2005
Mercury	71900	<0.5 µg/L		2 µg/L	0.5 µg/L	L. Asatryan, PHC	12/8/2004
Selenium	01147	<5 µg/L		50 µg/L	5 µg/L	E. Lennon, PHC	1/1/2005
Silver	01077	<10 µg/L		100 µg/L	10 µg/L	E. Lennon, PHC	1/1/2005
Antimony	01097	<6 µg/L		6 µg/L	6 µg/L	E. Lennon, PHC	1/1/2005
Beryllium	01012	<1 µg/L		4 µg/L	1 µg/L	E. Lennon, PHC	1/1/2005
Nickel	01067	<10 µg/L		100 µg/L	10 µg/L	E. Lennon, PHC	1/1/2005
Thallium	01059	<1 µg/L		2 µg/L	1 µg/L	E. Lennon, PHC	1/1/2005
Calcium	00916	8 mg/L			2 mg/L	K. Lor, PHC	12/21/2004
Copper	01042	137 µg/L		1000 µg/L	50 µg/L	E. Lennon, PHC	1/1/2005
Iron	01045	<100 µg/L		300 µg/L	100 µg/L	K. Lor, PHC	12/22/2004
Magnesium	00927	<2 mg/L			2 mg/L	K. Lor, PHC	12/20/2004
Manganese	01055	<20 µg/L		50 µg/L	20 µg/L	E. Lennon, PHC	1/1/2005
Potassium	00937	1 mg/L			1.0 mg/L	K. Lor, PHC	12/22/2004
Sodium	00929	10 mg/L			2 mg/L	K. Lor, PHC	12/17/2004
Zinc	01092	160 µg/L			50 µg/L	E. Lennon, PHC	1/1/2005
Color	00081	<5 Units		15 Units	5 Units	K. Lor, PHC	12/6/2004
S.E.C.	00095	75 µmho/cm		900 µmho/cm	20 µmho/cm	K. Lor, PHC	12/7/2004
Turbidity	82079	0.40 NTU		5 NTU	0.05 NTU	K. Lor, PHC	12/6/2004
Total Hardness	00900	<20 mg/L			20 mg/L	K. Lor, PHC	12/7/2004
Alkalinity	00410	41 mg/L			20 mg/L	K. Lor, PHC	12/7/2004
Chloride	00940	2.0 mg/L		250 mg/L	2 mg/L	L. Asatryan, PHC	12/6/2004
Fluoride	00951	<0.1 mg/L		2.0 mg/L	0.1 mg/L	L. Asatryan, PHC	12/6/2004
Nitrate (ion)	71850	<2.0 mg/L		45 mg/L	2.0 mg/L	L. Asatryan, PHC	12/6/2004
Nitrite (as N)	00620	<400 µg/L		1000 µg/L	400 µg/L	L. Asatryan, PHC	12/6/2004
Sulfate	00945	<0.5 mg/L		250 mg/L	0.5 mg/L	L. Asatryan, PHC	12/6/2004
pH	00403	6.4 pH				K. Lor, PHC	12/7/2004

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" If Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 01/07/2005

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax: (559)445-3560
ELAP Certification Number: 1498 James J. Spolsdoff, Laboratory Director

0412-14013	08805	12/6/2004	12/6/2004	11:00 AM	Brian Curtis
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

Cascadel Mutual Water Company
59827 Cascadel Drive
North Fork, CA 93643
Attn: Brian Curtis

System Type: 02
Sample Type: Routine
Water Sys #: 2001518
Census Tract:
Well Number:
APN:

Sample Site: Spring Box

GENERAL, MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Bicarbonate (HCO3)	00440	23 mg/L			2 mg/L	L. Soriano, PHC	12/15/2004
Carbonate (CO3)	00445	<2 mg/L			2 mg/L	L. Soriano, PHC	12/15/2004
Corrosivity		Highly Aggressive				L. Soriano, PHC	12/16/2004
MBAS	38260	0.049 mg/L		0.5 mg/L	0.025 mg/L	M. Ickes, PHC	12/7/2004
Odor	00086	Not Detected		3 TON	0 TON	K. Lor, PHC	12/6/2004
TDS	70300	82 mg/L		500 mg/L	1 mg/L	M. Ickes, PHC	12/9/2004
Hydroxide (OH)	71830	<0.5 mg/L			0.5 mg/L	L. Soriano, PHC	12/16/2004

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" If Result Exceeds MCL

L. Soriano
Director / Chemistry Supervisor / QA Officer

Date Reported: 01/07/2005

GENERAL MINERAL & PHYSICAL & INORGANIC ANALYSIS (9/99)

Date of Report: 07/08/28 Sample ID No.0703-0782

Laboratory Signature Lab

Name: FRESNO COUNTY PUBLIC HEALTH LABORATORY Director:

Name of Sampler:Brian Curtis Employed By: Cascadel Mutual Water Co

Date/Time Sample Collected:07/05/10/1815 Date/Time Sample Received @ Lab:07/05/11/0915 Date Analyses Completed:07/05/1

System Name:CASCADEL MUTUAL WATER SYSTEM System Number: 2000509

Name or Number of Sample Source:SOURCE 1999 WELL 1A

User ID: 20C Station Number: 2000509-004

Date/Time of Sample: 07|05|10|1815| YY MM DD TTTT Laboratory Code: 5112

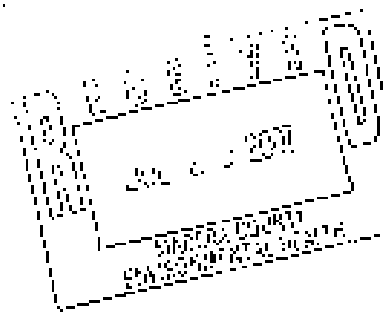
Date Analysis completed: YY MM DD |07|05|16|

Submitted by: Phone #:

PAGE 1 OF 1 INORGANIC CHEMICALS

MCL	REPORTING UNITS	CHEMICAL	ENTRY #	ANALYSIS RESULTS	DLR
	ug/L	Uranium (ug/L)	28071	29	1.0

- Indicates Secondary Drinking Water Standards



ED

GENERAL MINERAL & PHYSICAL & INORGANIC ANALYSIS (9/99)

Date of Report: 07/05/20 Sample ID No.0705-0712

Laboratory Signature Lab

Name: FRESNO COUNTY PUBLIC HEALTH LABORATORY Director:

Name of Sampler:Brian Curtis Employed By: Cascadel Mutual Water Co

Date/Time Sample Collected:07/05/10/1845 | Date/Time Sample Received @ Lab:07/05/11/0915 | Date Analyses Completed:07/05/1

System Name:CASCADEL MUTUAL WATER SYSTEM | System Number: 2000509

Name or Number of Sample Source:SOURCE SPRING

User ID: 20C | Station Number: 2000509-003

Date/Time of Sample: |07|05|10 1845| YY MM DD HHMM | Laboratory Code: 5112

Date Analysis completed: 07|05|15| YY MM DD

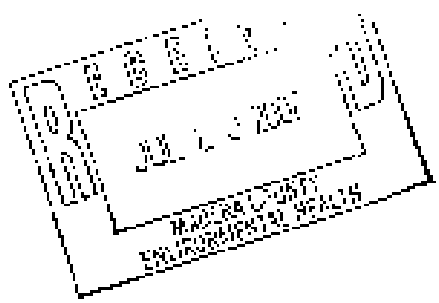
Submitted by: Phone #:

PAGE 1 OF 1

INORGANIC CHEMICALS

MCL	REPORTING UNITS	CHEMICAL	ENTRY #	ANALYSES RESULTS	DLR
	ug/L	Uranium (ug/L)	28011	1.8	1.0

- Indicates Secondary Drinking Water Standards



GENERAL MINERAL & PHYSICAL & INORGANIC ANALYSIS (5/95)

Date of Report: 07/06/28 Sample ID No.0705-05126

Laboratory Signature Lab Director:

Name: FRESNO COUNTY PUBLIC HEALTH LABORATORY

Name of Sampler:Brian Curtis Employed By: Cascadel Mutual Water Co

Date/Time Sample Collected:07/05/10/1800	Date/Time Sample Received @ Lab:07/05/11/0915	Date Analyses Completed:07/05/1

System Name:CASCADEL MUTUAL WATER SYSTEM

System Number: 2000509

Name or Number of Sample Source:SOURCE WELL 1

User ID: 20C Station Number: 2000509-001

Date/Time of Sample: |07|05|10|1800| Laboratory Code: 5112

YY MM DD TTTT YY MM DD

Date Analysis completed: |07|05|16|

Submitted by:_____ Phone #:_____

PAGE 1 OF 1

INORGANIC CHEMICALS

MCL	REPORTING UNITS	CHEMICAL	ENTRY #	ANALYSES RESULTS	DLR
	ug/L	Uranium (ug/L)	28011	8.3	1.0

Indicates Secondary Drinking Water Standards

ED'

GENERAL MINERAL & PHYSICAL & INORGANIC ANALYSIS (9/99)

Date of Report: 07/06/20 Sample ID No.0705-07128

Laboratory Signature Lab

Name: FRESNO COUNTY PUBLIC HEALTH LABORATORY Director:

Name of Sampler:Brian Curtis Employed By: Cascadel Mutual Water Co

Date/Time Sample Collected:07/05/16:830 Date/Time Sample Received @ Lab:07/05/17:0915 Date Analyses Completed:07/05/1

System Name:CASCADEL MUTUAL WATER SYSTEM System Number: 2000509

Name or Number of Sample Source:SOURCE WELL 2

* User ID: 20C Station Number: 2000509-002 *

* Date/Time of Sample: |07|05|16|1930 Laboratory Code: 5112 *

YY MM DD HHII YY MM DD *

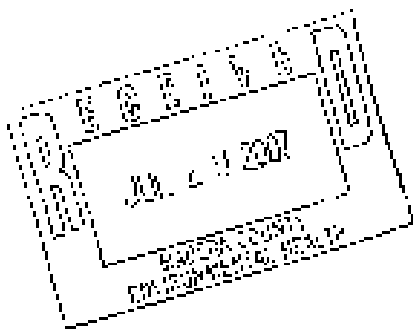
Date Analysis completed: |07|05|16 *

* Submitted by: _____ Phone #: _____ *

PAGE 1 OF 1 INORGANIC CHEMICALS

MCL	REPORTING UNITS	CHEMICAL	ENTRY #	ANALYSES RESULTS	SMR
	ug/L	Uranium (ug/L)	28011	3.0	1.0

+ Indicates Secondary Drinking Water Standards



Pace Analytical Services, Inc.
C/O Westinghouse Waltz Mill; Box 158; M/S 62
Madison, PA 15663

EDT

RADIOACTIVITY ANALYSIS (9/99)

Date of Report: 07/03/19
Laboratory
Name: PACE ANALYTICAL SERVICES, INC-WALTZ MILL
Name of Sampler:Bob Protzman
Date/Time Sample Collected:07/02/21/1125
Date/Time Sample Received @ Lab:07/03/01/1025
Sample ID No.0703-0084/B20837
Signature Lab Director:
Employed By: Protzman Enterprises
Date Analyses Completed:07/03/16

ENTERED

System
Name:BASS LAKE ANNEX #3
Name or Number of Sample Source:SOURCE WELL 4
System Number: 2000501

User ID: ZCC
Date/Time of Sample: |07|02|21|1125|
YY MM DD TTTT
Station Number: 2000501-004
Laboratory Code: 0010
Date Analysis completed: |07|03|16|
YY MM DD
Submitted by:
Phone #:

MCL	REPORT UNITS	CHEMICAL	STORET CODE	ANALYSES RESULTS	DLR
15	pCi/L	Gross Alpha	01501	11.6	3.0
	pCi/L	Gross Alpha Counting Error	01502	2.69	
50	pCi/L	Gross Beta	03501		4.0
	pCi/L	Gross Beta Counting Error	03502		
20	pCi/L	Uranium	28012		2.0
	pCi/L	Uranium Counting Error	A-028		
	pCi/L	Radium 226	09501	< 1.0	1.0
	pCi/L	Radium 226 Counting Error	09502	0.255	
	pCi/L	Radium 228	11501	1.15	1.0
	pCi/L	Radium 228 Counting Error	11502	0.412	
5	pCi/L	Ra 226 + Ra 228	11503		
	pCi/L	Ra 226 + Ra 228 Counting Error	11504		
	pCi/L	Radon 222	82303		100.0
	pCi/L	Radon 222 Counting Error	82302		
8	pCi/L	Strontium 90	13501		2.0
	pCi/L	Strontium 90 Counting Error	13502		
000	pCi/L	Tritium	07000		1000
	pCi/L	Tritium Counting Error	07001		

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax: (559)445-3580
ELAP Certification Number: 1888 James J. Spoladoff, Laboratory Director

Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector
0701-00226	09668	1/4/2007	1/3/2007	12:15 PM	Bob Protzman

Protzman Enterprises
1401 61st Street
Sacramento, CA 95819

Attn: Bob Protzman

System Type: 01
Sample Type: Routine
Water Sys #: 2000501-004
Census Tract:
Well Number:
APN:

Sample Site: 35913 Highland Drive, Wishon (Well 4)

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Nitrate (ion)	71850	4.8 mg/L		45 mg/L	2.0 mg/L	L. Assadourian	1/5/2007

RECEIVED
JAN 16 2007
FRESNO COUNTY
ENVIRONMENTAL HEALTH

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
AL = Action Level
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" If Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 1/8/2007

EDT

GENERAL MINERAL & PHYSICAL & INORGANIC ANALYSIS (9/94)

Date of Report: 06/06/13 Sample ID No.: 06-04206

Laboratory Signature Lab Director:

Name: FRESNO COUNTY PUBLIC HEALTH LABORATORY Employed By: MadCo | County Engineering

Name of Sampler: David Klein Date Analyzed:

Date/Time Sample Collected: 06/05/15/0900 | Date/Time Sample Received @ Lab: 06/05/15/1535 | Completed: 06/06/24

System Name: MD#8 NORTH FORK WATE SYSTEM | System Number: 2000961

Name or Number of Sample Source: WELL-LIBRARY

* User ID: ZCC Station Number: 2000961-001 *

* Date/Time of Sample: |06|05|15 0900| Laboratory Code: 5112 *

YY MM DD TTTT YY MM DD *

* Date analysis completed: |06|06|24| *

* Submitted by: Phone #: *

MCL	REPORTING UNITS	CHEMICAL	ENTRY #	ANALYSES RESULTS		DLR
	mg/L	Total Hardness (as CaCO3) (mg/L)	00900			
	mg/L	Calcium (Ca) (mg/L)	00916			
	mg/L	Magnesium (Mg) (mg/L)	00927			
	mg/L	Sodium (NA) (mg/L)	00929			
	mg/L	Potassium (K) (mg/L)	00937			
Total Cations		Meq/L Value:				
	mg/L	Total Alkalinity (As CaCO3) (mg/L)	00410			
	mg/L	Hydroxide (OH) (mg/L)	71830			
	mg/L	Carbonate (CO3) (mg/L)	00445			
	mg/L	Bicarbonate (HCO3) (mg/L)	00440			
*	mg/L+	Sulfate (SO4) (mg/L)	00945			.5
*	mg/L+	Chloride (Cl) (mg/L)	00940			
45	mg/L	Nitrate (as NO3) (mg/L)	71850	< 2.0		2.0
2	mg/L	Fluoride (F) (Natural-Source)	00951			.1
Total Anions		Meq/L Value:				
	Std.Units+	pH (Laboratory) (Std.Units)	00403			
***	umho/cm+	Specific Conductance (E.C.) (umhos/cm)	00095			
****	mg/L+	Total Filterable Residue@_180C(TDS) (mg/L)	70300			
15	Units	Apparent Color (Unfiltered) (Units)	00081			
3	TON	Odor Threshold at 60 C (TON)	00086			1.
5	NTU	Lab Turbidity (NTU)	82079			
0.5	mg/L+	MBAS (mg/L)	38260			

* 250 500-600 ** 0.6-1.7 *** 900-1600-2200 **** 500-1000-1500

PAGE 2 OF 2 INORGANIC CHEMICALS 0605-06202

MCL	REPORTING UNITS	CHEMICAL	ENTRY #	ANALYSIS RESULTS	DLR
10	ug/L	Arsenic (As) (ug/L)	01002	12.0	2.0

+ Indicates Secondary Drinking Water Standards

Fresno County Public Health Laboratory

1221 Fulton Mall, Fresno CA 93721 PO Box 11867, Fresno, CA 93775
Phone (559) 445-3407 FAX (559) 445-3580
State Of California Laboratory Accreditation Program Certification Number 1598

Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector
0605-05200	08669	05/16/2006	05/15/2006	9:00 AM	David Kleist

Madera County Engineering
2037 W. Cleveland
Madera, CA 93637

Attn: Marty Duvall

System Type: 03
Sample Type: 01
Water Sys # 2000561-001
Census Tract
Well Number
APN

Sample Site: MD8W - Well

URANIUM TEST RESULTS BY EPA METHOD 200.8

Analysis	Result (µg/L)	MCL (µg/L)	Date Analyzed	Chemist
Uranium	1.8	30	05/19/2006	Ellen Lennon

Analyst: [signature]
Date Reported: 05/30/2006

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax: (559)449-3580
ELAP Certification Number: 1868 James J. Spotkoff, Laboratory Director

Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector
0611-16859	08668	11/21/2006	11/21/2006	8:05 AM	David Kleist

Madera County Engineering
2037 W. Cleveland
Madera,CA 93637

Attn: Marty Duvall

SystemType: 09
Sample Type: Other
Water Sys #: 2000561-001
Census Tract:
Well Number:
APN:

Sample Site: Dow, Well #1 (Main)

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Arsenic	01002	12 µg/L		10 µg/L	2 µg/L	M. Ickes, PHC	12/1/2006

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
AL = Action Level
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" If Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 12/14/2006

8

RADIOACTIVITY ANALYSIS (9/89)

Date of Report: 06/07/16
Laboratory Name: FRESNO COUNTY PUBLIC HEALTH LABORATORY
Name of Sampler: John Clark
Date/Time Sample Collected: 06/05/16/1130
Date/Time Sample Received @ Lab: 06/06/16/1514
Sample ID No. 0605-05496
Signature Lab Director:
Employed By: Madera County Engineering
Date Analyzed: Completed: 06/0

System Name: MD#24 TEMPORD MEADOW LAKES
Name or Number of Sample Source: WELL #1
System Number: 2000552

User ID: 20C
Date/Time of Sample: 06 05 16 1130 (YY MM DD TTTT)
Station Number: 2000552-001
Laboratory Code: 5112
Date Analysis Completed: 06 06 09 (YY MM DD)
Submitted by:
Phone #:

MCL	REPORT UNITS	CHEMICAL	STORET CODE	ANALYSES RESULTS	DLR
15	pCi/L	Gross Alpha	01501	1.2	3.0
	pCi/L	Gross Alpha Counting Error	01502	0.26	
50	pCi/L	Gross Beta	03501		4.0
	pCi/L	Gross Beta Counting Error	03502		
20	pCi/L	Uranium	28012		2.0
	pCi/L	Uranium Counting Error	A-028		
	pCi/L	Radium 226	09501		1.0
	pCi/L	Radium 226 Counting Error	09502		
	pCi/L	Radium 228	11501		1.0
	pCi/L	Radium 228 Counting Error	11502		
5	pCi/L	Ra 226 + Ra 228	11507		
	pCi/L	Ra 226 + Ra 228 Counting Error	11504		
	pCi/L	Radon 222	82303		100.0
	pCi/L	Radon 222 Counting Error	82302		
8	pCi/L	Strontium 90	13501		2.0
	pCi/L	Strontium 90 Counting Error	13502		
20000	pCi/L	Tritium	07000		1000
	pCi/L	Tritium Counting Error	07001		

RADIOACTIVITY ANALYSIS (9/99)

Date of Report: 06/07/10
Laboratory
Name: FRESNO COUNTY PUBLIC HEALTH LABORATORY
Name of Sampler: John Clark
Date/Time Sample
Collected: 06/05/16/1130

Sample ID No. 0605-065TD
Signature Lab
Director:
Employed By: Madera County Engineering

Date/Time Sample
Received @ Lab: 06/05/15/1310

Date Analyses
Completed: 06/06/09

System
Name: MD#24 TRAFORD MEADOW LAKES
Name or Number of Sample Source: WELL #2

System
Number: 2000552

* User ID: 200
* Date/Time of Sample: 06|05|16 1130
YY MM DD TTTT
* Submitted By:

Station Number: 2000552 002
Laboratory Code: 5112
YY MM DD
Date Analysis completed: |06|06|09
Phone #:

MCL	REPORT UNITS	CHEMICAL	STORET CODE	ANALYSES RESULTS	DLR
15	pCi/L	Gross Alpha	01501	12.5	3.0
	pCi/L	Gross Alpha Counting Error	01502	0.26	
50	pCi/L	Gross Beta	03501		4.0
	pCi/L	Gross Beta Counting Error	03502		
20	pCi/L	Uranium	28012		2.0
	pCi/L	Uranium Counting Error	A-028		
	pCi/L	Radium 226	09501		1.0
	pCi/L	Radium 226 Counting Error	09502		
	pCi/L	Radium 228	11501		1.0
	pCi/L	Radium 228 Counting Error	11502		
5	pCi/L	Ra 226 + Ra 228	11503		
	pCi/L	Ra 226 + Ra 228 Counting Error	11504		
	pCi/L	Radon 222	82303		100.0
	pCi/L	Radon 222 Counting Error	82302		
8	pCi/L	Strontium 90	13501		2.0
	pCi/L	Strontium 90 Counting Error	13502		
20000	pCi/L	Tritium	07000		1000
	pCi/L	Tritium Counting Error	07001		

ED

RADIOACTIVITY ANALYSIS (9/99)

Date of Report: 06/07/10 Sample ID No.0665 06132

Laboratory Signature Lab Director:

Name: RIVERSIDE COUNTY PUBLIC HEALTH LABORATORY Employed By: Madera County Engineering

Name of Sampler:John Clark

Date/Time Sample Collected:06/05/16/1130	Date/Time Sample Received @ Lab:06/05/16/1511	Date Analysis Completed:06/06/0

System Name:MJ#24 TEAFORD MEADOW LAKES

System Number: 2000352

Name or Number of Sample Source:WELL #3 FINISHED

* User ID: 20C

* Date/Time of Sample: |06|05|16|1130
YY MM DD TTTT

*

* Submitted by:_____ Phone #:_____

Station Number: 2000352 003

Laboratory Code: 512

Date Analysis completed: |06|06|09|
YY MM DD

MCL	REPORT UNITS	CHEMICAL	STORET CODE	ANALYSIS RESULTS	DLR
15	pCi/L	Gross Alpha	01501	2.0	3.0
	pCi/L	Gross Alpha Counting Error	01502	0.14	
50	pCi/L	Gross Beta	03501		4.0
	pCi/L	Gross Beta Counting Error	03502		
20	pCi/L	Uranium	28012		2.0
	pCi/L	Uranium Counting Error	A-028		
	pCi/L	Radium 226	09501		1.0
	pCi/L	Radium 226 Counting Error	09502		
	pCi/L	Radium 228	11501		1.0
	pCi/L	Radium 228 Counting Error	11502		
5	pCi/L	Ra 226 + Ra 228	11503		
	pCi/L	Ra 226 + Ra 228 Counting Error	11504		
	pCi/L	Radon 222	82303		100.0
	pCi/L	Radon 222 Counting Error	82302		
8	pCi/L	Strontium 90	13501		2.0
	pCi/L	Strontium 90 Counting Error	13502		
20000	pCi/L	Tritium	07000		1000
	pCi/L	Tritium Counting Error	07001		

GENERAL MINERAL & PHYSICAL & INORGANIC ANALYSIS (9/99)

Date of Report: 06/07/11 Sample ID No: 0663-06332

Laboratory Name: FRESNO COUNTY PUBLIC HEALTH LABORATORY Signature Lab Director:

Name of Sampler: John Clerk Employed By: Madera County Environmental

Date/Time Sample Collected: 06/05/16/1100 Date/Time Sample Received @ Lab: 06/05/16/1614 Date Analysis Completed: 06/06/0

System Name: MD#58 SIERRA HIGHLANDS

System Number: 7000665

Name or Number of Sample Source: WELL #4

* User ID: 20C Station Number: 2000663-002

* Date/Time of Sample: 06|05 16 1100| Laboratory Code: SL12

YY MM DD TIME YY MM DD

* Date Analysis completed: |06|06 09

* Submitted by: Phone #.

MCL	REPORTING UNITS	CHEMICAL	ENTRY #	ANALYSIS RESULTS		DLR
	mg/L	Total Hardness (as CaCO3) (mg/L)	00900		151	
	mg/L	Calcium (Ca) (mg/L)	00916		38	
	mg/L	Magnesium (Mg) (mg/L)	00927		6	
	mg/L	Sodium (NA) (mg/L)	00929		13	
	mg/L	Potassium (K) (mg/L)	00937		2	
Total Cations		Meq/L Value:				
	mg/L	Total Alkalinity (AS CaCO3) (mg/L)	00410		165	
	mg/L	Hydroxide (OH) (mg/L)	71830	<	0.5	
	mg/L	Carbonate (CO3) (mg/L)	00445	<	2	
	mg/L	Bicarbonate (HCO3) (mg/L)	00440		148	
*	mg/L+	Sulfate (SO4) (mg/L)	00945		8.2	.5
1	mg/L+	Chloride (Cl) (mg/L)	00940		2.7	
45	mg/L	Nitrate (as NO3) (mg/L)	71850	<	2.0	2.0
2	mg/L	Fluoride (F) (Natural-Source)	00951		0.2	.1
Total Anions		Meq/L Value:				
	Std.Units+	PH (Laboratory) (Std.Units)	00403		6.98	
***	umho/cm+	Specific Conductance (E.C.) (umhos/cm)	00095		304	
****	mg/L+	Total Filterable Residue@180C(TDS) (mg/L)	70300		230	
15	Units	Apparent Color (Unfiltered) (Units)	00081		5	
3	TON	Odor Threshold at 60 C (TON)	00086		ND	
5	NTU	Lab Turbidity (NTU)	82079		1.4	
0.5	mg/L+	MBAS (mg/L)	38260	<	0.02	

* 250 300-600 ** 0.6-1.7 *** 900-1000-2200 **** 500-1000-1500

EDT

GENERAL MINERAL & PHYSICAL & INORGANIC ANALYSIS (9/99)

Date of Report: 06/07/21
Laboratory Name: BRUNO COUNTY PUBLIC HEALTH LABORATORY
Name of Sampler: John Clark
Date/Time Sample Collected: 06/05/16/1100
Date/Time Sample Received @ Lab: 06/05/16/1514
Sample ID No. 0605-0532
Signature Lab Director
Employed By: Madura County Engineering
Purp Analyses Completed: 06/07/06

System Name: XU458 SIERRA HIGHLANDS
System Number: 2000865
Name or Number of Sample Source: WELL #4

* User ID: JCC
* Date/Time of Sample: |06|05|16|1100|
YY MM DD TIME
* Submitted by: ___
Station Number: 2000865-002
Laboratory Code: 5112
Date Analyses completed: 06 06 06
Phone #: ___

PAGE 1 OF 1

INORGANIC CHEMICALS

MCL	REPORTING UNITS	CHEMICAL	ENTRY #	ANALYSES RESULTS	DLR
	ug/L	Uranium (ug/L)	22011	2.1	1.0

* Indicates Secondary Drinking Water Standards

INORGANIC CHEMICALS

9605-06233

MCL	REPORTING UNITS	CHEMICAL	ENTRY #	ANALYSES RESULTS		DLR
1000	ug/L	Aluminum (Al) (ug/L)	01105	<	50	50.
6	ug/L	Antimony (Sb) (ug/L)	01097	<	6	6.
10	ug/L	Arsenic (As) (ug/L)	01002	<	2	2.
1000	ug/L	Barium (Ba) (ug/L)	01007	<	100	100.
4	ug/L	Beryllium (Be) (ug/L)	01012	<	1	1.
5	ug/L	Cadmium (Cd) (ug/L)	01027	<	1	1.
50	ug/L	Chromium (Total Cr) (ug/L)	01034	<	1.0	1.0
1000	ug/L+	Copper (Cu) (ug/L)	01042	<	50	50.
300	ug/L+	Iron (Fe) (ug/L)	01045		270	100.
	ug/L	Lead (Pb) (ug/L)	01051	<	5	5.
50	ug/L+	Manganese (Mn) (ug/L)	01055		191	20.
2	ug/L	Mercury (Hg) (ug/L)	71900	<	0.5	1.
100	ug/L	Nickel (ug/L)	01067	<	10	10.
50	ug/L	Selenium (Se) (ug/L)	01147	<	5	5.
100	ug/L+	Silver (Ag) (ug/L)	01077	<	10	10.
2	ug/L	Thallium (ug/L)	01059	<	1	1.
5000	ug/L	Zinc (Zn) (ug/L)	01092		60	50.

ADDITIONAL ANALYSES

		Langelier Index Source Temp.	71814	-	0.68	
1000	ug/L	Nitrate as Nitrogen(N) (ug/L)	00620	<	400	400

+ Indicates Secondary Drinking Water Standards

EDT

GENERAL MINERAL & PHYSICAL & INORGANIC ANALYSIS (9/99)

Date of Report: 04/04/19 Sample ID No. 04[illegible]

Laboratory Signature Lab Director:

Name: FRESNO COUNTY PUBLIC HEALTH LABORATORY

Name of Sampler:Mark Logee Employed By: Leisure Acres M.W.C.

Date/Time Sample Collected:04/01/29/1230 Date/Time Sample Received @ Lab:04/01/29/1[illegible] Date Analyses Completed:04/02/1[illegible]

System Name:LEISURE ACRES MUTUAL WATER COMPANY

System Number: 2000534

Name or Number of Sample Source:WELL 01

User ID: 20C

Date/Time of Sample: |04|0[illegible]|29|1230|
YY MM DD TTTT

Station Number: 2000534-001

Laboratory Code: 5112

Date Analysis completed: |04|02|[illegible]|
YY MM DD

Submitted by: Phone #:

MCL	REPORTING UNITS	CHEMICAL	ENTRY #	ANALYSIS RESULTS	DLR
	mg/L	Total Hardness (as CaCO3) (mg/L)	00900	121	
	mg/L	Calcium (Ca) (mg/L)	00916	44	
	mg/L	Magnesium (Mg) (mg/L)	00927	6	
	mg/L	Sodium (NA) (mg/L)	00929	40	
	mg/L	Potassium (K) (mg/L)	00937	3	
Total Cations		Meq/L Value:			
	mg/L	Total Alkalinity (AS CaCO3) (mg/L)	00410	129	
	mg/L	Hydroxide (OH) (mg/L)	71830	< 0.5	
	mg/L	Carbonate (CO3) (mg/L)	00445	< 2	
	mg/L	Bicarbonate (HCO3) (mg/L)	00440	120	
*	mg/L+	Sulfate (SO4) (mg/L)	00945	8.7	.5
*	mg/L+	Chloride (Cl) (mg/L)	00940	51.9	
45	mg/L	Nitrate (as NO3) (mg/L)	71850	< 2.0	2.0
**	mg/L	Fluoride (F) Temp. Depend. (mg/L)	00951		.1
Total Anions		Meq/L Value:			
	Std.Units+	PH (Laboratory) (Std.Units)	00403	7.5	
***	umho/cm+	Specific Conductance (S.C.) (umhos/cm)	00095	450	
****	mg/L-	Total Filterable Residue@180C(TDS) (mg/L)	70300	250	
	Units	Apparent Color (Unfiltered) (Units)	00081	< 3	
	TON	Odor Threshold at 60 C (TON)	00086	ND	
	NTU	Lab Turbidity (NTU)	82079	0.10	
0.5	mg/L+	MBAS (mg/L)	38260	< 0.025	

* 250-500-600 ** 0.6-1.7 *** [illegible] **** 500-1000-1500

RECEIVED
[illegible] - 6 2004
MADERA COUNTY
ENVIRONMENTAL HEALTH

MCL	REPORTING UNITS	CHEMICAL	ENTRY #	ANALYSIS RESULTS		DLR
1000	ug/L+	Copper (Cu) (ug/L)	01042	<	50	50.0
300	ug/L+	Iron (Fe) (ug/L)	01045	<	100	100.0
50	ug/L+	Manganese (Mn) (ug/L)	01055		40	20.0
5000	ug/L	Zinc (Zn) (ug/L)	01092	<	50	50.0

ADDITIONAL ANALYSES

		Langelier Index Source Temp.	71814	-	0.62	
1000	ug/L	Nitrite as Nitrogen(N) (ug/L)	00620	<	400	400
2000	ug/L	Fluoride	A-035		500	100

+ Indicates Secondary Drinking Water Standards

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax: (559)445-3590
ELAP Certification Number: 1868 James J. Spaisdoff, Laboratory Director

0401-01020	18836	1/29/2004	1/29/2004	12:30 PM	Mark Logee
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

System Type: 01

Sample Type: Routine

Water Sys #:

Census Tract:

Well Number:

APN:

Leisure Acres Mutual Water Company
P.O. Box 1163
North Fork,CA 93643

Attn: Mark Logee

Sample Site: Well At White Oak Place

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Calcium	00916	44 mg/L			2 mg/L	K. Lor, PHC	2/10/2004
Copper	01042	<50 µg/L		1300 µg/L	50 µg/L	E. Lennon, PHC	2/3/2004
Iron	01045	<100 µg/L		300 µg/L	100 µg/L	K. Lor, PHC	1/30/2004
Magnesium	00927	6 mg/L			2 mg/L	K. Lor, PHC	2/11/2004
Manganese	01055	40 µg/L		50 µg/L	20 µg/L	E. Lennon, PHC	2/3/2004
Potassium	00937	3 mg/L			1.0 mg/L	K. Lor, PHC	2/9/2004
Sodium	00929	40 mg/L			2 mg/L	K. Lor, PHC	2/11/2004
Zinc	01092	<50 µg/L		5000 µg/L	50 µg/L	E. Lennon, PHC	2/3/2004
Color	00081	<5 Units		15 Units	5 Units	K. Lor, PHC	1/29/2004
S.E.C.	00095	150 µmho/cm		900 µmho/cm	20 µmho/cm	K. Lor, PHC	1/29/2004
Turbidity	82079	0.10 NTU		5 NTU	0.05 NTU	K. Lor, PHC	1/29/2004
Total Hardness	00900	121 mg/L			20 mg/L	K. Lor, PHC	1/29/2004
Alkalinity	00410	129 mg/L			20 mg/L	K. Lor, PHC	1/29/2004
Chloride	00940	51.9 mg/L		250 mg/L	2 mg/L	L. Asatryan, PHC	1/29/2004
Fluoride	00951	0.5 mg/L		2.0 mg/L	0.1 mg/L	L. Asatryan, PHC	1/29/2004
Nitrate (ion)	71850	<2.0 mg/L		45 mg/L	2.0 mg/L	L. Asatryan, PHC	1/29/2004
Nitrite (as N)	00620	<400 µg/L		1000 µg/L	400 µg/L	L. Asatryan, PHC	1/29/2004
Sulfate	00945	8.7 mg/L		250 mg/L	0.5 mg/L	L. Asatryan, PHC	1/29/2004
pH	00403	7.5 pH				K. Lor, PHC	1/28/2004
Bicarbonate (HCO3)	00440	120 mg/L			2 mg/L	L. Roth, PHC	2/2/2004
Carbonate (CO3)	00445	<2 mg/L			2 mg/L	L. Roth, PHC	2/2/2004
Corrosivity		Mod Aggressiv				L. Roth, PHC	2/2/2004
MBAS	38260	<0.025 mg/L		0.5 mg/L	0.025 mg/L	L. Roth, PHC	1/30/2004
Odor	00086	Not Detected		3 TON	0 TON	K. Lor, PHC	1/29/2004
TDS	70300	250 mg/L		500 mg/L	1 mg/L	L. Roth, PHC	2/2/2004
Hydroxide (OH)	71830	<0.5 mg/L			0.5 mg/L	L. Roth, PHC	2/2/2004

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" If Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 2/25/2004

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3357 FAX: (559)445-3380
State of California Laboratory Accreditation Program Certification Number 1000
James J. Spoladoff, Laboratory Director

0111-14309	11/9/2001	11/8/2001	7:30 AM	Mark Logee
LabNumber	Date Received	Date Collected	Time Collected	Collector/Inspector

Account # T1005
System Type 01
Sample Type 01
Water Sys #
Cross Tract
Well Number
APN

Leisure Acres Mutual Water Company
P. O. Box 1183
North Fork,CA 93643

Attn: Mark Logee

Sample Site: 54234 White Hole Plaza, North Fork (Well)

RADIOLOGICAL TEST RESULTS BY EPA METHOD 900.0

Analysis	Result (pCi/L)	C.I. (± pCi/L)	MCL	Date Prepared	Date Analyzed	Chemist
Gross Alpha	3.0	0.11	15	11/10/2001	12/4/2001	Larissa Asatryan

Analyst:

DateReported: 12/04/2001

THE TWINING LABORATORIES, INC.
CALIFORNIA ELAP CERTIFICATE #1327

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

JD Home Rentals
2975 East Belmont
Fresno CA, 93701

Project: Analytical Services
Project Number: Analytical Services
Project Manager: Trent Peters

Reported:
08/09/05 1

Northfork

5G25038-01 (Drinking Water) Sampled: 07/25/05 13:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Inorganics								
Total Alkalinity as CaCO3	82	2.0	mg/L	1	T5E0301	08/01/05	08/03/05	SM 2320B
Bicarbonate Alkalinity as HCO3	100	20	mg/L	1	T5E0301	08/01/05	08/03/05	SM 2320B
Carbonate Alkalinity as CO3	ND	20	mg/L	1	T5E0301	08/01/05	08/03/05	SM 2320B
Hydroxide Alkalinity as OH	ND	20	mg/L	1	T5E0301	08/01/05	08/03/05	SM 2320B
Chloride	11	2.0	mg/L	1	T5G2503	07/25/05	07/26/05	EPA 300.0
Color	ND	1.0	Color Units	1	T5G2601	07/26/05	07/26/05	SM 2120B
Cyanide (total)	ND	5.0	µg/L	1	T5E0405	08/01/05	08/02/05	SM 4500CN-E
Specific Conductance (EC)	260	1.0	µS/cm	1	T5G2402	07/25/05	07/25/05	SM 2510B
Fluoride	0.11	0.10	mg/L	1	T5G2503	07/26/05	07/26/05	EPA 300.0
Hardness	77	1.7	mg/L	1	[CALC]	07/28/05	08/03/05	[CALC]
Langelier Index	0.69		Si	1	T5J0016	08/08/05	08/08/05	[CALC]
Methylene Blue Active Substances	ND	0.250	mg/L	1	T5G2702	07/27/05	08/01/05	SM 5540C
Nitrate as NO3	9.5	2.0	mg/L	1	T5G2503	07/26/05	07/26/05	EPA 300.0
Nitrite as NO2	ND	1.0	mg/L	1	T5G2503	07/26/05	07/26/05	EPA 300.0
Threshold Odor Number	ND	1.0	T.O.N.	1	T5G2601	07/26/05	07/26/05	SM 2150B
pH	6.0		pH Units	1	T5G2702	07/27/05	07/27/05	EPA 150.1
Sulfate as SO4	9.2	0.50	mg/L	1	T5G2503	07/26/05	07/26/05	EPA 300.0
Total Dissolved Solids	190	10	mg/L	1	T5G2707	07/27/05	07/28/05	EPA 160.1
Turbidity	0.30	0.020	NTU	1	T5G2601	07/26/05	07/26/05	EPA 180.1
Metals								
Aluminum	ND	0.050	mg/L	1	T5G2806	07/28/05	08/01/05	EPA 200.7
Antimony	ND	2.0	µg/L	1	T5G2715	07/27/05	07/28/05	EPA 200.8
Arsenic	ND	2.0	µg/L	1	T5G2215	07/25/05	07/29/05	EPA 200.8
Barium	0.17	0.010	mg/L	1	T5G2804	07/28/05	08/01/05	EPA 200.7
Beryllium	ND	0.0010	mg/L	1	T5G2804	07/28/05	08/01/05	EPA 200.7
Cadmium	ND	0.0010	mg/L	1	T5G2806	07/28/05	08/01/05	EPA 200.7
Calcium	25	0.50	mg/L	1	T5G2804	07/28/05	08/01/05	EPA 200.7
Chromium	ND	0.010	mg/L	1	T5G2806	07/28/05	08/01/05	EPA 200.7
Copper	ND	0.050	mg/L	1	T5G2806	07/28/05	08/01/05	EPA 200.7
Iron	0.11	0.10	mg/L	1	T5G2804	07/28/05	08/01/05	EPA 200.7
Lead	6.2	2.0	µg/L	1	T5G2715	07/27/05	07/28/05	EPA 200.8
Magnesium	5.5	0.10	mg/L	1	T5G2804	07/28/05	08/01/05	EPA 200.7
Manganese	ND	0.020	mg/L	1	T5G2804	07/28/05	08/01/05	EPA 200.7
Mercury	ND	1.0	µg/L	1	T5G2502	07/25/05	07/27/05	EPA 245.1

THE TWINING LABORATORIES, INC.
CALIFORNIA ELAP CERTIFICATE #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

JD Home Rentals 2033 San Belmont Fresno CA, 93701	Project: Analytical Services Project Number: Analytical Services Project Manager: Trent Peters	Reported: 08/09/05

Northfork

5G25038-01 (Drinking Water) Sampled:07/25/05 13:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals								
Nickel	ND	0.010	mg/L	1	T5G2806	07/28/05	08/01/05	EPA 200.7
Potassium	4.1	1.0	mg/L	1	T5G2806	07/28/05	08/01/05	EPA 200.7
Selenium	ND	10	µg/L	1	T5G2905	07/29/05	07/29/05	SM3114B
Silver	ND	0.0050	mg/L	1	T5G2806	07/28/05	08/01/05	EPA 200.7
Sodium	18.	1.0	mg/L	1	T5G2806	07/28/05	08/01/05	EPA 200.7
Thallium	ND	1.0	µg/L	1	T5H0215	08/02/05	08/03/05	EPA 200.9
Zinc	0.025	0.0050	mg/L	1	T5G2806	07/28/05	08/01/05	EPA 200.7
Volatile Organics								
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1	T5H0114	08/01/05	08/02/05	EPA 524.2
1,1,1-Trichloroethane (TCA)	ND	0.50	µg/L	1	T5H0114	08/01/05	08/02/05	EPA 524.2
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1	T5H0114	08/01/05	08/02/05	EPA 524.2
1,1,2-Trichloroethane	ND	0.50	µg/L	1	T5H0114	08/01/05	08/02/05	EPA 524.2
1,1-Dichloroethane	ND	0.50	µg/L	1	T5H0114	08/01/05	08/02/05	EPA 524.2
1,1-Dichloroethene	ND	0.50	µg/L	1	T5H0114	08/01/05	08/02/05	EPA 524.2
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1	T5H0114	08/01/05	08/02/05	EPA 524.2
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1	T5H0114	08/01/05	08/02/05	EPA 524.2
1,2-Dichlorobenzene	ND	0.50	µg/L	1	T5H0114	08/01/05	08/02/05	EPA 524.2
1,2-Dichloroethane (1,2-DCA)	ND	0.50	µg/L	1	T5H0114	08/01/05	08/02/05	EPA 524.2
1,2-Dichloropropane	ND	0.50	µg/L	1	T5H0114	08/01/05	08/02/05	EPA 524.2
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1	T5H0114	08/01/05	08/02/05	EPA 524.2
1,3-Dichlorobenzene	ND	0.50	µg/L	1	T5H0114	08/01/05	08/02/05	EPA 524.2
1,3-Dichloropropane	ND	0.50	µg/L	1	T5H0114	08/01/05	08/02/05	EPA 524.2
1,4-Dichlorobenzene	ND	0.50	µg/L	1	T5H0114	08/01/05	08/02/05	EPA 524.2
2,2-Dichloropropane	ND	0.50	µg/L	1	T5H0114	08/01/05	08/02/05	EPA 524.2
2-Chloroethylvinyl ether	ND	0.50	µg/L	1	T5H0114	08/01/05	08/02/05	EPA 524.2
2-Chlorotoluene	ND	0.50	µg/L	1	T5H0114	08/01/05	08/02/05	EPA 524.2
4-Chlorotoluene	ND	0.50	µg/L	1	T5H0114	08/01/05	08/02/05	EPA 524.2
Benzene	ND	0.50	µg/L	1	T5H0114	08/01/05	08/02/05	EPA 524.2
Bromobenzene	ND	0.50	µg/L	1	T5H0114	08/01/05	08/02/05	EPA 524.2
Bromochloromethane	ND	0.50	µg/L	1	T5H0114	08/01/05	08/02/05	EPA 524.2
Bromodichloromethane	ND	0.50	µg/L	1	T5H0114	08/01/05	08/02/05	EPA 524.2
Bromoform	ND	0.50	µg/L	1	T5H0114	08/01/05	08/02/05	EPA 524.2
Bromomethane	ND	0.50	µg/L	1	T5H0114	08/01/05	08/02/05	EPA 524.2
Carbon tetrachloride	ND	0.50	µg/L	1	T5H0114	08/01/05	08/02/05	EPA 524.2

TRUESDAIL LABORATORIES, INC.

INDEPENDENT TESTING FORENSIC SCIENCE AND ENVIRONMENTAL ANALYSES

Established 1931

14201 FRANKLIN AVENUE
TUSTIN, CALIFORNIA 92780-7008
(714) 730-6239 FAX (714) 730-6462
www.truesdail.com

REPORT

Client: Twining Laboratories
2527 Fresno Street
Fresno, CA 93721
Attention: Eric Scott

Report Date: August 4, 2005
Date Received: July 26, 2005
Laboratory No: 945046

Sample: Water

Investigation: Gross Alpha Activity

Analytical Results

Sample ID:	Method	Activity pCi/L	Two Sigma Error	MDA pCi/L	Date Analyzed
9G22030-01	SM7110C	13.0	+/- 1.85	1.45	08/03/05

Respectfully submitted,
TRUESDAIL LABORATORIES, INC.

Rosalina Jaroqui, Project Manager
Radiochemistry Group

TRUESDAIL LABORATORIES, INC.

INDEPENDENT TESTING, FORENSIC SCIENCE, AND ENVIRONMENTAL ANALYSES

Established 1931

1420 E. FRANKLIN AVENUE
TUSTIN, CALIFORNIA 92780-7008
(714) 730-6239 FAX (714) 730-6462
www.truesdail.com

REPORT

Client: Twining Laboratories
2527 Fresno Street
Fresno, CA 93721
Attention: Eric Scott

Report Date: November 14, 2005
Date Received: November 2, 2005
Laboratory No: 5488429

Sample: Water

Investigation: Gross Alpha Activity
Total Uranium Activity

Analytical Results

Sample ID	Analysis	Method	Activity pCi/L	Two Sigma Error	MDA	Date Analyzed
5J28012-01	Alpha	SM7110C	2.10	+/- 0.93	1.10	11/11/05
	Uranium	EPA 908.0	2.28	+/- 1.02	0.31	11/10/05

Gross Alpha results are based on a Uranium calibration curve

Respectfully submitted,
TRUESDAIL LABORATORIES, INC.

Rosalina Topasna, Project Chemist
Radiochemistry Group

Fresno County Health Services Agency
Public Health Laboratory
Water Chemical Analysis Report

Lab I.D. # 02754
Date Received 03/22/96
Hogan, Walter

P.O. Box 1353, North Fork 93643

Cost Center:
Water System #:
Well #:
Census Tract:

Collected by W. Hogan on 03/22/95 at 10:30 am
A.P.N. :
Analysis Code :ABCDD5G12H17123456131?
Sample point :55493 Rd 200/Shady Oak MHP

===

ANALYSIS OF INORGANIC COMPOUNDS IN WATER

Primary Metals

ANALYTE	STORET CODE	RESULT mg/L	MCL mg/L	ANALYTE	STORET CODE	RESULT mg/L	MCL mg/L
Aluminum	01105	<0.005	1.0	Lead	01051	<0.005	0.020
Arsenic	01002	0.008	0.05	Mercury	71900	<0.0005	0.002
Barium	01007	0.080	1.0	Selenium	01147	<0.002	0.050
Cadmium	01027	<0.003	0.005	Silver	01077	<0.005	0.100
Chromium	01034	<0.005	0.05	Nickel	01067	<0.010	0.100
Thallium	01059	<0.001	0.002	Antimony	01097	<0.001	0.006
Beryllium	01012	<0.001	0.004				

General Minerals

ANALYTE	STORET CODE	RESULT mg/L	MCL mg/L	ANALYTE	STORET CODE	RESULT mg/L	MCL mg/L
Calcium	00916	17		Magnesium	00927	4	
Copper	01042	<0.01	1.0	Manganese	01055	0.007	0.05
Iron	01045	<0.005	0.3	Sodium	00929	14	
Potassium	00937	1.7		Zinc	01092	0.10	5.0

Anions

ANALYTE	STORET CODE	RESULT mg/L	MCL mg/L	ANALYTE	STORET CODE	RESULT mg/L	MCL mg/L
Alkalinity	00410	128		Nitrate	71850	5	45
Chloride	00940	7	250	Sulfate	00945	4	250
Fluoride	00951	<0.1	1.60				
				pH	00403	8.0 pH Units	

Water Quality

ANALYTE	STORET CODE	RESULT	MCL	UNITS
Color	81	<5	15	Color Units
Turbidity	82079	0.20	5.0	TU
S.E.C.	95	280	900	µMHO/cm
Total Hardness	900	140		mg/L as $CaCO_3$

Reported by [signature]
Public Health Chemist
Date Reported 05/03/96

MCL = Maximum Contaminant Level

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 FAX: (559)445-3550
State of California Laboratory Accreditation Program Certification Number 1858
James J. Spoleddoff, Laboratory Director

0702-01686	2/2/2007	2/1/2007	10:05 AM	Ernie
LabNumber	Date Received	Date Collected	Time Collected	Collector/Inspector

Account # 08658
System Type 01
Sample Type 01
Water Sys # 2000826
Census Tract
Well Number
APN

Shady Oak Mobile Home Park
31816 Ellis Way
North Fork,CA 93643

Attn: Don Cooley

Sample Site: Park Well ?= Well #1 By Rd 200 (Emergency)

RADIOLOGICAL TEST RESULTS BY EPA METHOD 900.0

Analysis	Result (pCi/L)	C.E. (± pCi/l)	MCL	Date Prepared	Date Analyzed	Chemist
Gross Alpha	12.0	0.24	15	2/5/2007	2/21/2007	L. Assadourian

RECEIVED
MAR 12 2007
MADERA COUNTY ENVIRONMENTAL HEALTH

Analyst: [signature]

DateReported: 2/21/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3357 FAX: (559)445-3580
State of California Laboratory Accreditation Program Certification Number 1888
James J. Spotestoff, Laboratory Director

ENTERED

0702-01685	2/2/2007	2/1/2007	10:30 AM	Emily
LabNumber	Date Received	Date Collected	Time Collected	Collector/Inspector

Shady Oak Mobile Home Park
31818 Ellis Way
North Fork,CA 93643

Attn: Don Cooley

Account # 08658
System Type 01
Sample Type 01
Water Sys # 2000828
Census Tract
Well Number
APN

Sample Site: Well Ellis Way Well #2 (main well)

RADIOLOGICAL TEST RESULTS BY EPA METHOD 900.0

Analysis	Result (pCi/L)	C.E. (± pCi/L)	MCL	Date Prepared	Date Analyzed	Chemist
Gross Alpha	3.48	1.27	15	2/5/2007	2/8/2007	L. Aasodourian

FEB 2 1 2007

Analyst:

Date Reported: 2/9/2007

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax: (559)445-3680
ELAP Certification Number: 1388 James J. Spoledolf, Laboratory Director

0503-02842	17443	3/9/2005	3/9/2005	11:10 AM	Ernie Hogan
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

SystemType: 02
Sample Type: Other
Water Sys #:
Census Tract:
Well Number: 2
APN:

Shady Oak Mobile Home Park
P.O. Box 1363
North Fork,CA 93643

Attn: Ernie Hogan

Sample Site: Shady Oak Mobile Home Park (Well #2)

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	StoreLe	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Nitrate (ion)	71850	3.3 mg/L		45 mg/L	2.0 mg/L	L. Asatryan, PHC	3/9/2005
Nitrite (as N)	00620	<400 µg/L		1000 µg/L	400 µg/L	L. Asatryan, PHC	3/9/2005

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" If Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 3/16/2005

GENERAL MINERAL & PHYSICAL & INORGANIC ANALYSIS (9/93)

Date of Report: 03/12/17 Sample ID No. 0310-13275
Laboratory Signature Lab
Name: FRESNO COUNTY PUBLIC HEALTH LABORATORY Director:
Name of Sampler: Cathey Thornburg Employed By: South Fork MHP
Date/Time Sample Collected: 03/10/30/0900 Date/Time Sample Received @ Lab: 03/10/30/1035 Date Analyses Completed: 03/11/18

System Name: SOUTH FORK MHP WATER SYSTEM System Number: 2000651
Name or Number of Sample Source: WELL 01

400 3W
500 30 N
310

* User ID: 200 Station Number: 2000651-001 *
* Date/Time of Sample: |03|10|30|0900 Laboratory Code: 5112 *
* YY MM DD TTTT YY MM DD *
* Date Analysis completed: |03|11|18 *
* Submitted by: Phone #: *

MCL	REPORTING UNITS	CHEMICAL	ENTRY #		ANALYSES RESULTS	DLR
	mg/L	Total Hardness (as CaCO3) (mg/L)	00900		68	
	mg/L	Calcium (Ca) (mg/L)	00916		26	
	mg/L	Magnesium (Mg) (mg/L)	00927		2	
	mg/L	Sodium (NA) (mg/L)	00929		21	
	mg/L	Potassium (K) (mg/L)	00937		2	
Total Cations		Meq/L Value:				
	mg/L	Total Alkalinity (AS CaCO3) (mg/L)	00410		119	
	mg/L	Hydroxide (OH) (mg/L)	71830	<	0.5	
	mg/L	Carbonate (CO3) (mg/L)	00445	<	2	
	mg/L	Bicarbonate (HCO3) (mg/L)	00440		92	
*	mg/L+	Sulfate (SO4) (mg/L)	00945		2.6	.5
*	mg/L	Chloride (Cl) (mg/L)	00940		7.5	
45	mg/L	Nitrate (as NO3) (mg/L)	71850		6.5	2.0
**	mg/L	Fluoride (F) Temp. Depend. (mg/L)	00951			.1
Total Anions		Meq/L Value:				
	Std.Units+	PH (Laboratory) (Std.Units)	00403		6.9	
***	umho/cm+	Specific Conductance (E.C.) (umhos/cm)	00095		200	
****	mg/L+	Total Filterable Residue@180C(TDS)(mg/L)	70300		140	
	Units	Apparent Color (Unfiltered) (Units)	00081	<	5	
	TON	Odor Threshold at 60 C (TON)	00086		ND	
	NTU	Lab Turbidity (NTU)	82079		0.20	
0.5	mg/L+	MBAS (mg/L)	38260	<	0.025	

* 250-500-600 ** 0.6-1.7 *** 900-1600-2200 **** 500-1000-1500

JAN - 6 '04

INORGANIC CHEMICALS

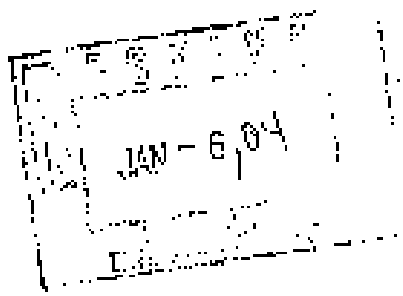
0310-12215

MCL	REPORTING UNITS	CHEMICAL	ENTRY		ANALYSIS RESULTS	DLR
1000	ug/L	Aluminum (Al) (ug/L)	01105	<	50	50.0
6	ug/L	Antimony (ug/L)	01097	<	6	6.0
50	ug/L	Arsenic (As) (ug/L)	01002		2.5	2.0
1000	ug/L	Barium (Ba) (ug/L)	01007	<	100	100.0
4	ug/L	Beryllium (ug/L)	01012	<	1	1.0
5	ug/L	Cadmium (Cd) (ug/L)	01027	<	1	1.0
50	ug/L	Chromium (Total Cr) (ug/L)	01034	<	1.0	10.0
1000	ug/L+	Copper (Cu) (ug/L)	01042	<	50	50.0
300	ug/L+	Iron (Fe) (ug/L)	01045	<	100	100.0
	ug/L	Lead (Pb) (ug/L)	01051	<	5	5.0
50	ug/L+	Manganese (Mn) (ug/L)	01055	<	20	20.0
2	ug/L	Mercury (Hg) (ug/L)	71900	<	0.5	1.0
100	ug/L	Nickel (ug/L)	01067	<	10	10.0
50	ug/L	Selenium (Se) (ug/L)	01147	<	5	5.0
100	ug/L+	Silver (Ag) (ug/L)	01077	<	10	10.0
2	ug/L	Thallium (ug/L)	01059	<	1	1.0
5000	ug/L	Zinc (Zn) (ug/L)	01092	<	50	50.0

ADDITIONAL ANALYSES

		Langelier Index Source Temp.	71814	-	1.43	
1000	ug/L	Nitrite as Nitrogen(N) (ug/L)	00620	<	400	400
2000	ug/L	Fluoride	A-033		250	100

+ Indicates Secondary Drinking Water Standards



RADIOACTIVITY ANALYSIS (9/99)

Date of Report: 05/11/18 Sample ID No.050[illegible]

Laboratory Signature Lab

Name: FRESNO COUNTY PUBLIC HEALTH LABORATORY Director:

Name of Sampler:Cathey Thornburg Employed By: South Fork MWC

Date/Time Sample Collected:05/09/21/1100 Date/Time Sample Received @ Lab:05/09/21/1206 Date Analyses Completed:05/10/21

System Name:SOUTH FORK MWC WATER SYSTEM

Name or Number of Sample Source:WELL 01

System Number: 2000651

User ID: 20C

Date/Time of Sample: |05|09|21|1100|
YY MM DD TTTT

Station Number: 2000651-001

Laboratory Code: 5112

Date Analysis completed: |05|10|21|
YY MM DD

Submitted by:

Phone #:

MCL	REPORT UNITS	CHEMICAL	STORET CODE	ANALYSES RESULTS	DLR
15	pCi/L	Gross Alpha	01501	11.9	3.0
	pCi/L	Gross Alpha Counting Error	01502	0.28	
50	pCi/L	Gross Beta	03501		4.0
	pCi/L	Gross Beta Counting Error	03502		
20	pCi/L	Uranium	28012		2.0
	pCi/L	Uranium Counting Error	A-029		
	pCi/L	Radium 226	09501		1.0
	pCi/L	Radium 226 Counting Error	09502		
	pCi/L	Radium 228	11501		1.0
	pCi/L	Radium 228 Counting Error	11502		
	pCi/L	Ra 226 + Ra 228	11503		5
	pCi/L	Ra 226 + Ra 228 Counting Error	11504		
	pCi/L	Radon 222	82303		100.0
	pCi/L	Radon 222 Counting Error	82302		
20000	pCi/L	Tritium	07000		1000
	pCi/L	Tritium Counting Error	07001		
8	pCi/L	Strontium 90	13501		2.0
	pCi/L	Strontium 90 Counting Error	13502		

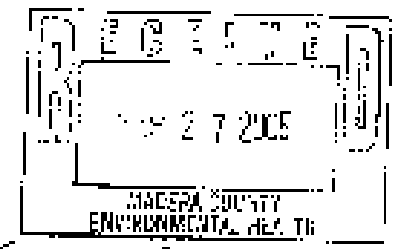
FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax: (559)445-3560
ELAP Certification Number: 1368 James J. Spolsdoff, Laboratory Director

0508-09578	09187	8/8/2005	8/8/2005	9:20 AM	Harlan Lang
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

224 Mobile Home Park
P.O. Box 158
North Fork,CA 93643

Attn: Harlan Lang



SystemType: 01 MAD
Sample Type: Routine
Water Sys #:
Census Tract:
Well Number:
APN:

Sample Site: Well #1

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Nitrate (ion)	71850	9.0 mg/L		45 mg/L	2.0 mg/L	L. Asatryan, PHC	8/10/2005
Aluminum	01105	154 µg/L		1000 µg/L	50 µg/L	E. Lennon, PHC	8/23/2005
Arsenic	01002	<2 µg/L		50 µg/L	2 µg/L	E. Lennon, PHC	8/23/2005
Barium	01007	<100 µg/L		1000 µg/L	100 µg/L	E. Lennon, PHC	8/23/2005
Cadmium	01027	<1 µg/L		5 µg/L	1 µg/L	E. Lennon, PHC	8/23/2005
Total Chromium	A-044	<1.0 µg/L		50 µg/L	1.0 µg/L	E. Lennon, PHC	8/23/2005
Lead	01051	<5 µg/L		AL=15 µg/L	5 µg/L	E. Lennon, PHC	8/23/2005
Mercury	71900	<0.5 µg/L		2 µg/L	0.5 µg/L	L. Asatryan, PHC	8/23/2005
Selenium	01147	<5 µg/L		50 µg/L	5 µg/L	E. Lennon, PHC	8/23/2005
Silver	01077	<10 µg/L		100 µg/L	10 µg/L	E. Lennon, PHC	8/23/2005
Antimony	01097	<6 µg/L		6 µg/L	6 µg/L	E. Lennon, PHC	8/23/2005
Beryllium	01012	<1 µg/L		4 µg/L	1 µg/L	E. Lennon, PHC	8/23/2005
Nickel	01067	<10 µg/L		100 µg/L	10 µg/L	E. Lennon, PHC	8/23/2005
Thallium	01059	<1 µg/L		2 µg/L	1 µg/L	E. Lennon, PHC	8/23/2005
Calcium	00916	7 mg/L			2 mg/L	K. Lor, PHC	8/31/2005
Copper	01042	<50 µg/L		1300 µg/L	50 µg/L	E. Lennon, PHC	8/23/2005
Iron	01045	190 µg/L		300 µg/L	100 µg/L	K. Lor, PHC	8/11/2005
Magnesium	00927	5 mg/L			2 mg/L	K. Lor, PHC	8/16/2005
Manganese	01055	<20 µg/L		50 µg/L	20 µg/L	E. Lennon, PHC	8/23/2005
Potassium	00937	2 mg/L			1.0 mg/L	K. Lor, PHC	8/16/2005
Sodium	00929	16 mg/L			2 mg/L	K. Lor, PHC	8/9/2005
Zinc	01092	<50 µg/L		5000 µg/L	50 µg/L	E. Lennon, PHC	8/23/2005
Color	00081	5 Units		15 Units	5 Units	K. Lor, PHC	8/9/2005
S.E.C.	00095	180 µmho/cm		900 µmho/cm	20 µmho/cm	K. Lor, PHC	8/8/2005
Turbidity	82079	3.1 NTU		5 NTU	0.05 NTU	K. Lor, PHC	8/8/2005
Total Hardness	00900	66 mg/L			20 mg/L	K. Lor, PHC	8/8/2005
Alkalinity	00410	91 mg/L			20 mg/L	K. Lor, PHC	8/9/2005
Chloride	00940	6.1 mg/L		250 mg/L	2 mg/L	L. Asatryan, PHC	8/10/2005
Fluoride	00951	<0.1 mg/L		2.0 mg/L	0.1 mg/L	L. Asatryan, PHC	8/10/2005
Nitrite (as N)	00620	<400 µg/L		1000 µg/L	400 µg/L	L. Asatryan, PHC	8/10/2005
Sulfate	00945	2.9 mg/L		250 mg/L	0.5 mg/L	L. Asatryan, PHC	8/10/2005
pH	00403	6.0 pH				K. Lor, PHC	8/8/2005

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" If Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 9/22/2005

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax: (559)445-3680
ELAP Certification Number: 1368 James J. Spoladoff, Laboratory Director

0508-09578	09187	8/8/2005	8/8/2005	9:20 AM	Harlan Lang
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

224 Mobile Home Park
P.O. Box 158
North Fork,CA 93643

Attn: Harlan Lang

SystemType: 01 M/D
Sample Type: Routine
Water Sys #:
Census Tract:
Well Number:
APN:

Sample Site: Well #1

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Bicarbonate (HCO3)	00440	27 mg/L			2 mg/L	L. Soriano, PHC	8/30/2005
Carbonate (CO3)	00445	<2 mg/L			2 mg/L	L. Soriano, PHC	8/30/2005
Corrosivity		Highly Aggressive				L. Soriano, PHC	8/30/2005
MBAS	38260	<0.025 mg/L		0.5 mg/L	0.025 mg/L	M. Ickes, PHC	8/9/2005
Odor	00086	Not Detected		3 TON	0 TON	K. Lor, PHC	8/8/2005
TDS	70300	150 mg/L		500 mg/L	1 mg/L	M. Ickes, PHC	8/10/2005
Hydroxide (OH)	71830	<0.5 mg/L			0.5 mg/L	L. Soriano, PHC	8/30/2005

Comment: THIS IS AN AMENDED REPORT.

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" If Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 9/22/2005

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 AIL Phone: (559)445-3357 Fax: (559)445-3560
ELAP Certification Number: 1669 James J. Spaksdoff, Laboratory Director

0606-07464	00137	6/8/2006	6/8/2006	8:00 AM	Harlan Lang
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

224 Mobile Home Park
P.O. Box 158
North Fork,CA 93643
Attn: Harlan Lang

System Type: 01 M.D
Sample Type: Routine
Water Sys #:
Census Tract:
Well Number:
APN:

Sample Site: 33249 Road 224, North Fork (Well) west #2

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Nitrate (Ion)	71850	8.1 mg/L		45 mg/L	2.0 mg/L	L. Assadourian, PHC	6/9/2006

RECEIVED
DEC 26 2006
MADERA COUNTY
ENVIRONMENTAL HEALTH

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
AL = Action Level
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" If Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 6/13/2006

ENTERED

RADIOACTIVITY ANALYSIS (9/99)

Date of Report: 07/04/10 Sample ID No.0702-02033

Laboratory Signature Lab

Name: FRESNO COUNTY PUBLIC HEALTH LABORATORY Director:

Name of Sampler:Harlan Lang Employed By: 224 Mobile Home Park

Date/Time Sample Collected:07/02/07/0945 Date/Time Sample Received @ Lab:07/02/07/1445 Date Analyses Completed:07/02/23

System Name:TWO TWENTY FOUR MOBILE HOME PK System Number: 2000592

Name or Number of Sample Source:SOURCE WELL #2 FRONT WELL

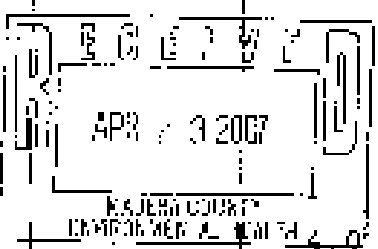
User ID: 20C Station Number: 2000592-002

Date/Time of Sample: |07|02|07|0945| YY MM DD TTTT Laboratory Code: SC12 YY MM DD

Date Analysis completed: |07|02|23|

Submitted by: Phone #:

MCL	REPORT UNITS	CHEMICAL	STORET CODE	ANALYSES RESULTS	DLR
	pCi/L	TITLE 22 CALIFORNIA CODE OF REGULATIONS			
	pCi/L	SECTION 64442 (22 CCR 64442)			
15	pCi/L	Gross Alpha	01501	4.2	3.0
	pCi/L	Gross Alpha Counting Error	01502	0.17	
	pCi/L	Gross Alpha MDA95 *	A-072		
20	pCi/L	Uranium	28012		1.0
	pCi/L	Uranium Counting Error	A-028		
	pCi/L	Uranium MDA95	A-073		
	pCi/L	Radium 226	09501		1.0
	pCi/L	Radium 226 Counting Error	09502		
	pCi/L	Radium 226 MDA95	A-074		
	pCi/L	Radium 228	11501		1.0
	pCi/L	Radium 228 Counting Error	11502		
	pCi/L	Radium 228 MDA95	A-075		
5	pCi/L	Ra 226 + Ra 228, Combined	11503		
	pCi/L	Ra 226 + Ra 228 Counting Error, Combined	11504		
	pCi/L	Ra 226 + Ra 228 MDA95, Combined	A-076		
	pCi/L	TITLE 22 CALIFORNIA CODE OF REGULATIONS			
	pCi/L	SECTION 64443 (22 CCR 64443)			
50	pCi/L	Gross Beta	03501		
	pCi/L	Gross Beta Counting Error	03502		
	pCi/L	Gross Beta MDA95	A-077		
4	pCi/L	Gross Beta, Calculated Dose Equivalent *	A-071		
8	pCi/L	Strontium 90	13501		2.0
	pCi/L	Strontium 90 Counting Error	13502		



GENERAL MINERAL & PHYSICAL & INORGANIC ANALYSIS (9/99)

Date of Report: 07/03/26 Sample ID No. 0708-00032

Laboratory Signature Lab Director:

Name: FRESNO COUNTY PUBLIC HEALTH LABORATORY

Name of Sampler: Harlan Lang Employed By: 224 Mobile Home Park

Date/Time Sample Collected: 07/02/07/0945 | Date/Time Sample Received @ Lab: 07/02/07/1145 | Date Analysis Completed: 07/03/

System Name: TWO TWENTY FOUR MOBILE HOME PK | System Number: 2000592

Name or Number of Sample Source: SOURCE WELL #2 FRONT WELL

* User ID: 20C Station Number: 2000592-002

* Date/Time of Sample: |07|02|07|0945| (YY MM DD TTTT) Laboratory Code: 5112

* Date Analysis completed: |07|03|09| (YY MM DD)

* Submitted by: _____ Phone #: _____

PAGE 1 OF 1

INORGANIC CHEMICALS

MCL	REPORTING UNITS	CHEMICAL	ENTRY #	ANALYSES RESULTS	DLR
	ug/L	Uranium (ug/L)	28011	4.3	1.

+ Indicates Secondary Drinking Water Standards

RECEIVED

APR 10 2009

FRESNO COUNTY ENVIRONMENTAL HEALTH

RADIOACTIVITY ANALYSIS (9/99)

Date of Report: 07/04/10 — Sample ID No.07U2-02031

Laboratory Name: FRESNO COUNTY PUBLIC HEALTH LABORATORY — Signature Lab Director:

Name of Sampler:Harlan Lang — Employed By: 224 Mobile Home Park

Date/Time Sample Collected:07/02/07/0925 — Date/Time Sample Received @ Lab:07/02/07/1145 — Date Analyses Completed:07/02/23

System Name:TWO TWENTY FOUR MOBILE HOME PK — System Number: 2000592

Name or Number of Sample Source:SOURCE WELL #1 BACK WELL

User ID: 20C — Station Number: 2000592-001

Date/Time of Sample: |07|02|07|0925 (YY MM DD TTTT) — Laboratory Code: 5112

Date Analysis Completed: |07|02|23| (YY MM DD)

Submitted by: _____ — Phone #: _____

MCL	REPORT UNITS	CHEMICAL	STORET CODE	ANALYSES RESULTS	DLR
	pCi/L	TITLE 22 CALIFORNIA CODE OF REGULATIONS			
	pCi/L	SECTION 64442 (22 CCR 64442):			
15	pCi/L	Gross Alpha	01501	8.0	3.0
	pCi/L	Gross Alpha Counting Error	01502	0.18	
	pCi/L	Gross Alpha MDA95 *	A-072		
20	pCi/L	Uranium	28012		1.0
	pCi/L	Uranium Counting Error	A-028		
	pCi/L	Uranium MDA95	A-073		
	pCi/L	Radium 226	09501		1.0
	pCi/L	Radium 226 Counting Error	09502		
	pCi/L	Radium 226 MDA95	A-074		
	pCi/L	Radium 228	11501		1.0
	pCi/L	Radium 228 Counting Error	11502		
	pCi/L	Radium 228 MDA95	A-075		
5	pCi/L	Ra 226 + Ra 228, Combined	11503		
	pCi/L	Ra 226 + Ra 228 Counting Error, Combined	11504		
	pCi/L	Ra 226 + Ra 228 MDA95, Combined	A-076		
	pCi/L	TITLE 22 CALIFORNIA CODE OF REGULATIONS			
	pCi/L	SECTION 64443 (22 CCR 64443):			
50	pCi/L	Gross Beta	03501		4.0
	pCi/L	Gross Beta Counting Error	03502		
	pCi/L	Gross Beta MDA95	A-077		
4	pCi/L	Gross Beta, Calculated Dose Equivalent *	A-078		
8	pCi/L	Strontium 90	13501		2.0
	pCi/L	Strontium 90 Counting Error	13502		

ENTERED

APR 23 2007

FRESNO COUNTY ENVIRONMENTAL HEALTH

GENERAL MINERAL & PHYSICAL & INORGANIC ANALYSIS (9/99)

Date of Report: 07/03/26 Sample ID No. 0702-02031

Laboratory Signature Lab Director:

Name: FRESNO COUNTY PUBLIC HEALTH LABORATORY

Name of Sampler:Harlan Lang Employed By: 224 Mobile Home Park

Date/Time Sample Collected:07/02/07/0925 | Date/Time Sample Received @ Lab:07/02/07/1345 | Date Analysis Completed:07/03/

System Name:TWO TWENTY FOUR MOBILE HOME PK | System Number: 2000592

Name or Number of Sample Source:SOURCE WELL #1 BACK WELL

* User ID: 20C Station Number: 2000592-001

* Date/Time of Sample: |07|02|07|0925| YY MM DD TTTT Laboratory Code: 5112 YY MM DD

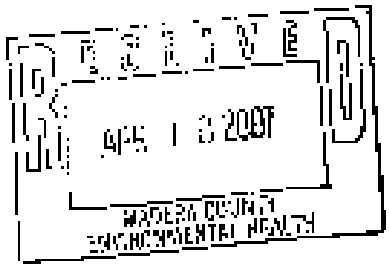
* Date Analysis completed: |07|03|09|

* Submitted by: Phone #:

PAGE 1 OF 1 INORGANIC CHEMICALS

MCL	REPORTING UNITS	CHEMICAL	ENTRY #	ANALYSIS RESULTS	DLR
	ug/L	Uranium (ug/L)	22011	6.5	1.

\+ Indicates Secondary Drinking Water Standards



New Well

BSK ANALYTICAL LABORATORIES

Certificate of Analysis

Report Issue Date: 08/25/2000

California Vipassana Center
58503 Road 225
North Fork, CA 93643

BSK Submission #: 2000080464

BSK Sample ID #: 55972

Project ID: Project Name:
Submission Comments: Odor test performed from a plastic container

Sample Type: Liquid
Sample Description: New Well WQ#3
Sample Comments:

Date Sampled: 08/14/2000
Time Sampled: 1600
Date Received: 08/14/2000

Inorganics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date
Alkalinity (as CaCO3)	SM 2320 B	120	mg/L	1	1	1	08/15/2000	08/15/2000
Aluminum (Al)	EPA 200.7	0.070	mg/L	0.05	1	0.05	08/16/2000	08/23/2000
Antimony (Sb)	EPA 200.8	ND	µg/L	2	1	2	08/16/2000	08/22/2000
Arsenic (As)	EPA 200.8	2.0	µg/L	2	1	2	08/16/2000	08/22/2000
Barium (Ba)	EPA 200.7	ND	mg/L	0.05	1	0.05	08/16/2000	08/23/2000
Beryllium (Be)	EPA 200.8	ND	µg/L	1	1	1	08/16/2000	08/22/2000
Bicarbonate (as CaCO3)	SM 2320 B	120	mg/L	1	1	1	08/15/2000	08/15/2000
Cadmium (Cd)	EPA 200.8	ND	µg/L	1	1	1	08/16/2000	08/22/2000
Calcium (Ca)	EPA 200.7	36	mg/L	0.1	1	0.1	08/16/2000	08/23/2000
Carbonate (as CaCO3)	SM 2320 B	ND	mg/L	1	1	1	08/15/2000	08/15/2000
Chloride (Cl)	EPA 300.0	ND	mg/L	1	1	1	08/15/2000	08/15/2000
Chromium - Total (Cr)	EPA 200.8	ND	µg/L	5	1	5	08/16/2000	08/22/2000
Color (A.P.H.A)	SM 2120 B	60	units	1	1	1	08/16/2000	08/16/2000
Conductivity - Specific (EC)	SM 2510 B	230	µmhos/cm	1	1	1	08/15/2000	08/15/2000
Copper (Cu)	EPA 200.8	ND	µg/L	50	1	50	08/16/2000	08/22/2000
Cyanide (CN)	SM 4500-CN-F	ND	µg/L	20	1	20	08/21/2000	08/23/2000
Fluoride	EPA 300.0	ND	mg/L	0.1	1	0.1	08/15/2000	08/15/2000
Hardness (as CaCO3)		110	mg/L	1.0	1	1.0	08/24/2000	08/24/2000
Hydroxide (as CaCO3)	SM 2330 B	ND	mg/L	1	1	1	08/15/2000	08/15/2000
Iron (Fe)	EPA 200.7	1.5	mg/L	0.05	1	0.05	08/16/2000	08/23/2000
Langelier Index (Saturation Index)		-1.3	-	-	-	N/A	08/24/2000	08/24/2000
Lead (Pb)	EPA 200.8	9.0	µg/L	5	1	5	08/16/2000	08/22/2000
Magnesium (Mg)	EPA 200.7	4.4	mg/L	0.1	1	0.1	08/16/2000	08/23/2000
Manganese (Mn)	EPA 200.7	0.010	mg/L	0.01	1	0.01	08/16/2000	08/23/2000
Mercury (Hg)	EPA 200.8	ND	µg/L	0.4	1	0.4	08/16/2000	08/22/2000
Nickel (Ni)	EPA 200.8	ND	µg/L	10	1	10	08/16/2000	08/22/2000
Nitrate (NO3)	EPA 300.0	ND	mg/L	1	1	1	08/15/2000	08/15/2000
Nitrite (NO2-N)	EPA 300.0	ND	mg/L	0.05	1	0.05	08/15/2000	08/15/2000
Odor	SM 2150 B	1.0	TON	1	1	1	08/16/2000	08/16/2000

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting
PQL x Dilution
ND: None Detected at DLR

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Cover Letter for comments.
E: Analysis performed by External laboratory
See External Laboratory Report attachments.

Report Authentication Code: [redacted]

BSK ANALYTICAL LABORATORIES

Certificate of Analysis

Report Issue Date: 08/23/2000

California Vipassana Center
58503 Road 225
North Fork, CA 93643

BSK Submission #: 20000880464

BSK Sample ID #: 55972

Project ID:
Project Desc:
Submission Comments: Odor test performed from a plastic container

Sample Type: Liquid
Sample Description: New Well
Sample Comments:

Date Sampled: 08/14/2000
Time Sampled: 1600
Date Received: 08/14/2000

Inorganics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date
pH	EPA 9040	6.4	STD	-	1	N/A	08/15/2000	08/15/2000
Potassium (K)	EPA 200.7	3.0	mg/L	2	1	2	08/16/2000	08/23/2000
Selenium (Se) - Total	EPA 200.8	ND	µg/L	2	1	2	08/16/2000	08/22/2000
Silver (Ag)	EPA 200.8	ND	µg/L	10	1	10	08/15/2000	08/22/2000
Sodium (Na)	EPA 200.7	15	mg/L	1	1	1	08/16/2000	08/23/2000
Sulfate (SO4)	EPA 300.0	ND	mg/L	2	1	2	08/15/2000	08/15/2000
Surfactants (MBAS)	SM 5540-C	ND	mg/L	0.05	1	0.05	08/16/2000	08/17/2000
Thallium (Tl)	EPA 200.8	ND	µg/L	1	1	1	08/16/2000	08/22/2000
Total Dissolved Solids (TDS)	SM 2540-C	150	mg/L	5	1	5	08/15/2000	08/16/2000
Turbidity	SM 2130 B	4.6	NTU	0.1	1	0.1	08/15/2000	08/16/2000
Zinc (Zn)	EPA 200.7	1.9	mg/L	0.05	1	0.05	08/15/2000	08/23/2000

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Cover Letter for comments.
E: Analysis performed by External Laboratory. See External Laboratory Report attachments.

Report Authentication Code: [redacted]

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3467 Alt. Phone: (559)445-3397 FAX: (559)445-3580
State of California Laboratory Accreditation Program Certification Number 1666
James J. Spofadoff, Laboratory Director

0607-09501	7/13/2006	7/13/2006	11:30 AM	Sioux DuBois
LabNumber	Date Received	Date Collected	Time Collected	Collector/Inspector

Account # 23048
System Type 01
Sample Type 01
Water Sys # 2000987
Census Tract
Well Number
APN

Peckinpah Acres
42878 Road 415
Coarsegold, CA 93614

Attn: Sioux DuBois

01501

Sample Site: Well

RADIOLOGICAL TEST RESULTS BY EPA METHOD 900.0

Analyte	Result (pCi/L)	C.E. (± pCi/L)	MCL	Date Prepared	Date Analyzed	Chemist
Gross Alpha	2.0	0.15	15	7/17/2006	8/31/2006	L. Assadourian

Analyst: [signature]

DateReported: 8/31/2006

REPORT DATE	: January 27, 1999	THE TWINING LABORATORIES, INC.
LABORATORY ID	: 698-7921.1	PAGE 1 of 3

DATE SAMPLED : 12-30-98 at 1230 by Client
DATE RECEIVED : 12-30-98 at 1610 from Stanley Hall

CLIENT : Stanley Hall

ANALYZED BY : George Barrett
REVIEWED BY : Audra Iknoian

DATE PREPARED : 01-06-99
DATE ANALYZED : 01-06-99

SAMPLE TYPE : Aqueous

CLIENT SAMPLE ID : Hydrant - 33955 Peckinpah Acres

METALS SCAN

CONSTITUENT	RESULT	UNIT	DLR	METHOD
Aluminum (Al)	ND	mg/L	0.05	200.7
Calcium (Ca)	12	mg/L	0.5	200.7
Copper (Cu)	ND	mg/L	0.05	200.7
Iron (Fe)	ND	mg/L	0.1	200.7
Manganese (Mn)	ND	mg/L	0.01	200.7
Silver (Ag)	ND	mg/L	0.01	200.7
Zinc (Zn)	ND	mg/L	0.05	200.7

mg/L : milligrams per Liter (parts per million) ND: None Detected DLR: Detection Limit for Reporting purposes

REPORT DATE : January 27, 1999
LABORATORY ID : 698-7921.1

DATE SAMPLED : 12-30-98 at 1230 by Client
DATE RECEIVED : 12-30-98 at 1610 from Stanley Hall

CLIENT : Stanley Hall

ANALYZED BY : Vue Yah, Susan Nguyen, Noel Tyler & Paul Macias
REVIEWED BY : Audra Ikolan

DATE PREPARED : 12-30-98 through 01-07-99
DATE ANALYZED : 12-30-98 through 01-07-99

SAMPLE TYPE : Aqueous

CLIENT SAMPLE ID : Hydrant - 33965 Peckinpah Acres

CONSTITUENT	RESULT	UNITS	DLR	METHOD
TDS	120	mg/L	10.0	SM254D
Specific Conductance (EC)	200	uS/cm	1	SM2510B
Chloride (Cl)	8.1	mg/L	2	300.0
pH	7.5	pH	---	150.1
Sulfate (SO_4)	5.3	mg/L	2	300.0
Langlier Index Corrosivity	-0.98	SI	—	SM2330B
MBAS	ND	mg/L	0.05	SM5540C

mg/L: Milligrams per liter (parts per million).
uS/cm: Microsiemens per centimeter @25C
SI: Saturation Index
ND: None Detected
DLR: Detection Limit for Reporting purposes

Rev. 3 (FORM2.1)

Appendix C
Groundwater Conditions in the Coarsegold Area

GROUNDWATER CONDITIONS
IN THE COARSEGOLD AREA

Prepared for:
Madera County
Resources Management Agency
Madera, California

by
Kenneth D. Schmidt and Associates
Groundwater Quality Consultants
Fresno, California

January 2008

KENNETH D. SCHMIDT AND ASSOCIATES
GROUNDWATER QUALITY CONSULTANTS
600 WEST SHAW, SUITE 250
FRESNO, CALIFORNIA 93704
TELEPHONE (559) 224-4412

January 4, 2008

Mr. Greg Farley
County Engineer
Madera County RMA
2037 West Cleveland Avenue
Madera, CA 93637

Re: Coarsegold Area Report

Dear Greg:

Submitted herewith is our report on groundwater conditions in the Coarsegold area. We appreciate the cooperation of the Picayune Rancheria of the Chukchansi Indian community, Yosemite Springs Park Utility, Madera County RMA staff, California Department of Health Services, and private well owners in the area in conducting this evaluation.

Sincerely Yours,

Kenneth D. Schmidt
Geologist No. 1578
Certified Hydrogeologist
No. 176

KDS/pe

TABLE OF CONTENTS

	Page
LIST OF TABLES	iv
LIST OF ILLUSTRATIONS	v
INTRODUCTION	1
PRECIPITATION	3
EVAPOTRANSPIRATION ESTIMATES	5
WATERSHEDS AND STREAMFLOW	7
GEOLOGIC CONDITIONS	8
SUPPLY WELLS	10
Large Water Systems	10
Indian Lakes	10
Quartz Mountain	14
Sunset Ridge (MD 40-A)	14
Coarsegold Highlands	17
Picayune Rancheria	17
Yosemite Springs Park Utility Co.	20
Small Water Systems	24
Individual Wells	24
Mudge Ranch Subarea	25
Coarsegold Subarea	25
Road 415-Trabuco Road Subarea	25
Road 400-Road 415 Subarea	29
Road 415 Subarea	29
Picayune Rancheria Subarea	29
WATER LEVELS	32
Previous Water-Level Maps	34
Water-Level Elevations and Direction of Groundwater Flow (July 2007)	35
Water-Level Trends	39
Mudge Ranch Subarea	
Coarsegold Subarea	
Road 415-Trabuco Road Subarea	

Continued

TABLE OF CONTENTS
(Continued:)

	Page
Road 400-Road 415 Subarea	
Road 416 Subarea	
Picayune Rancheria Subarea	47
Summary	
PUMPAGE	49
Large Water Systems	49
Small Water Systems	49
Individual Wells	50
AQUIFER TESTS	51
Picayune Rancheria	51
Meadow Springs Ranch	52
Yosemite Lakes Subdivision	53
GROUNDWATER QUALITY	53
Geographic Distribution	54
Total Dissolved Solids	54
Nitrate	54
Iron and Manganese	54
Arsenic	56
Uranium	58
pH	
Water System Wells	58
Picayune Rancheria	58
Indian Lakes, Quartz Mountain, and Sunset Ridge	61
Coarsegold Highlands	61
Meadow Springs Ranch	65
Yosemite Springs Park Utility	65
SUMMARY AND CONCLUSIONS	70
RECOMMENDATIONS	72
Streamflow Measurements	
Continued Water-Level Measurements	
Minimum Lot Sizes for Individual Wells	
Water Analyses for New Supply Wells	
REFERENCES	73

Continued:

TABLE OF CONTENTS
(Continued:)

Page

APPENDIX A PRECIPITATION RECORDS

APPENDIX B STREAMFLOW RECORDS

APPENDIX C SUMMARY OF WELL CONSTRUCTION AND AIRTEST YIELDS FOR INDIVIDUAL WELLS IN COARSEGOLD AREA

APPENDIX D WATER-LEVEL MEASUREMENTS FOR WELLS IN COARSEGOLD AREA FOR 2006-07

APPENDIX E WATER-LEVEL HYDROGRAPHS FOR WELLS IN PICAYUNE RANCHERIA VICINITY (2004-07)

APPENDIX F CHEMICAL ANALYSES OF WATER FROM WELLS IN COARSEGOLD AREA

LIST OF TABLES

No.	Title	Page
1	Precipitation at Coarsegold Ranger Station	4
2	Construction Data for Indian Lakes Water System Wells	13
3	Construction Data for Quartz Mountain Wells	15
4	Construction Data for Sunset Ridge Wells	16
5	Construction Data for Picayune Rancheria Wells	19
6	Construction Data for Active Yosemite Springs Park Utility Wells	22
7	Water-Level Data for Wells (July 18-24, 2007)	36
8	Chemical Analyses of Water from Casino Wells	60
9	Chemical Analyses of Water from Indian Lakes Wells	62
10	Chemical Analyses of Water from Quartz Mountain Wells	63
11	Chemical Analyses of Water from Sunset Ridge Wells	64
12	Chemical Analyses of Water from Coarsegold Highlands Wells	66
13	Chemical Analyses of Water from Meadow Springs Ranch Wells	67
14	Chemical Analyses of Water from Yosemite Spring Park Utility Wells	68

LIST OF ILLUSTRATIONS

No.	Title	Page
1	Streams, Watersheds, and Subareas in the Coarsegold Area	2
2	Mean Annual Precipitation (Inches)	6
3	Geologic Map of the Coarsegold Subarea	9
4	Locations of Water Systems and Wells North of Yosemite Lakes Subdivision	11
5	Locations of Water System and Supply Wells for Yosemite Lakes Subdivision	21
6	Depths and Airtest Yields of Wells in Mudge Ranch Subarea	26
7	Depths and Airtest Yields of Wells in Coarsegold Subarea	27
8	Depths and Airtest Yields of Wells in Road 415-Trabuco Road Subarea	28
9	Depths and Airtest Yields of Wells in Road 400-Road 415 Subarea	30
10	Depths and Airtest Yields of Wells in Road 416 Subarea	31
11	Depths and Airtest Yields of Wells in Picayune Rancheria Subarea	33
12	Water-Level Elevations and Direction of Groundwater Flow in the Coarsegold Area in July 2007	38
13	Locations of Subareas with Water-Level Hydrographs	40
14	Water-Level Hydrographs for Wells in the Mudge Ranch Subarea	41
15	Water-Level Hydrographs for Wells in the Coarsegold Subarea	42

Continued:

LIST OF ILLUSTRATIONS
(Continued:)

No.	Title	Page
16	Water-Level Hydrographs for Wells in the Road 416 Subarea	44
17	Water-Level Hydrographs for Wells West of the Picayune Rancheria	45
18	Water-Level Hydrographs for Wells in the Indian Lakes-Quartz Mountain Area	46
19	Water-Level Hydrographs for Picayune Rancheria Wells	48
20	Locations of High Iron Concentrations in Water from Wells in the Coarsegold Area	55
21	Locations of High Manganese Concentrations in Water from Wells in the Coarsegold Area	57
22	Location of High Alpha Activities in Water from Wells in the Coarsegold Area	59

GROUNDWATER CONDITIONS IN THE COARSEGOLD AREA

INTRODUCTION

In 2005, Kenneth D. Schmidt and Associates (KDSA) completed a hydrogeologic evaluation of the area in the vicinity of the Picayune Rancheria/Indian Lakes, as part of the agreement between Madera County and the Picayune Rancheria of the Chukchansi Indians. Madera County received an IRWMP (Prop 50) grant from the Department of Water Resources (DWR) in 2006. One component of the grant was a hydrogeologic evaluation of the hardrock in the Coarsegold area. Other hydrogeologic studies were conducted at this time in the North Fork and the Raymond-Hensley Lake areas, as part of a DWR AB 303 grant. This report discusses the results of the Coarsegold area hydrogeologic evaluation. Prior to this report, a hydrogeologic evaluation for the entire Coarsegold area was not available.

Figure 1 shows the location of the Coarsegold study area. A study area was selected to cover most of the developed areas at and near Coarsegold. The study area boundary on the north is generally near the watershed boundary between the Fresno River watershed and the Coarsegold Creek watershed. The study area boundary on the west is generally a north-south line running through the confluence of the Fresno River and Coarsegold Creek (the southwest corner of the study area). The study area boundary on the south is near an east-west line south of the Yosemite Lakes subdivision and near the

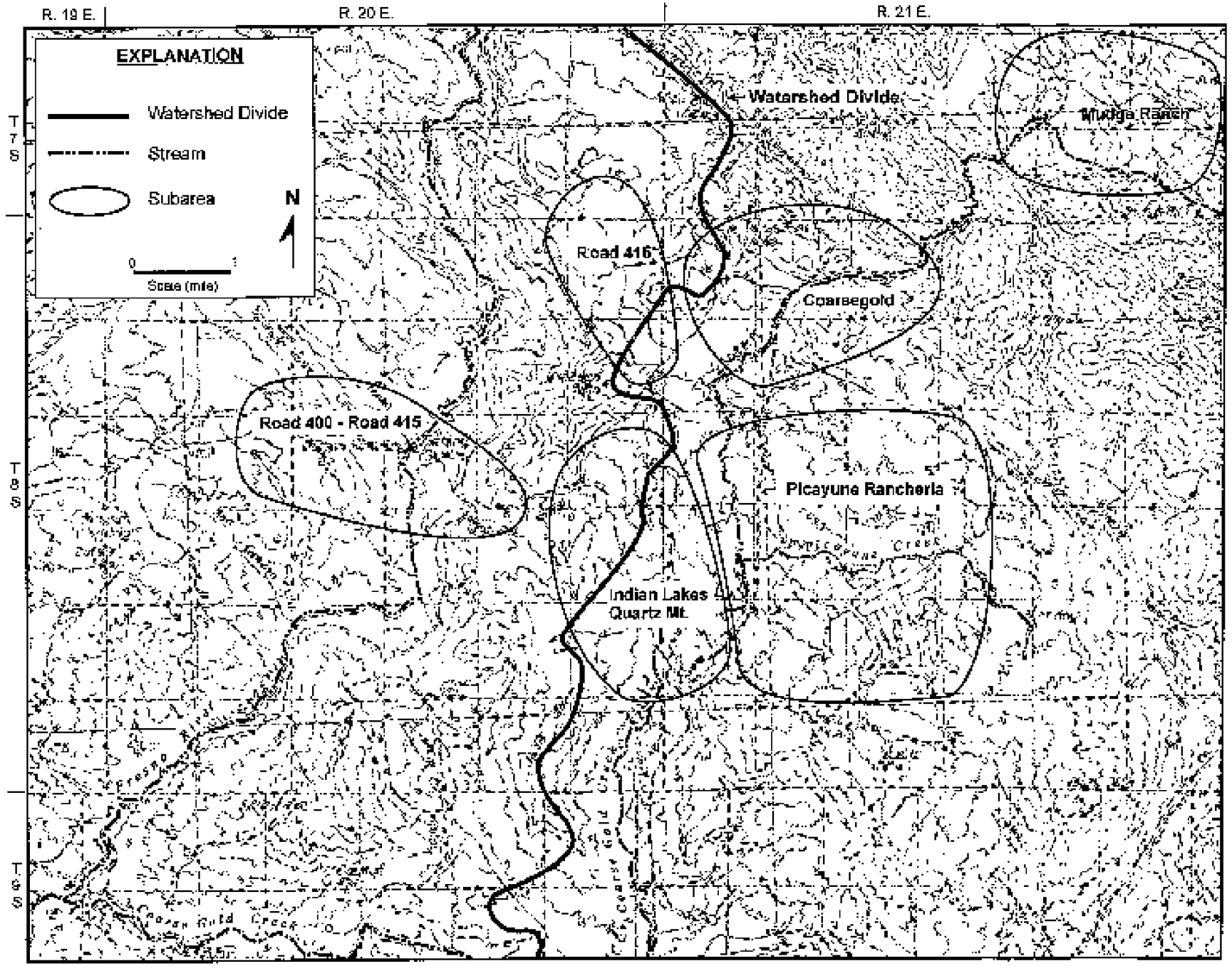


FIGURE 1 - STREAMS, WATERSHEDS, AND SUBAREAS IN THE COARSEGOLD AREA

Coarsegold Creek. The easterly boundary is a north-south line just east of Mudge Ranch and near the east edge of the Picayune Creek watershed. Highway 41 extends through Coarsegold. The Coarsegold area is bounded by Potter Ridge and Thornberry Mountain on the north and Buford Mountain on the west.

The Fresno River is the largest drainage in the Coarsegold area, and extends south through the west part of the study area. Much of the Coarsegold area is drained by Coarsegold Creek, a tributary of the Fresno River. The confluence of Coarsegold Creek and the Fresno River is southwest of the Yosemite Lakes subdivision. Land surface elevations in the Coarsegold area range from about 860 feet above mean sea level near the confluence of Coarsegold Creek and the Fresno River to more than 3,400 feet along part of Potter Ridge and part of Thornberry Mountain, north of Coarsegold.

PRECIPITATION

Precipitation is the ultimate source of both surface water and groundwater in the Coarsegold area. Precipitation records are available for Coarsegold back to 1976 (Table 1). The lowest annual precipitation has been between 13 and 17 inches. In contrast, the annual precipitation has exceeded 30 inches in wet years. The average annual precipitation at this station was about 27 inches from 1978 to 2006. Of this amount, most falls during November-

TABLE 1-PRECIPITATION AT COARSEGOLD RANGER STATION

Elevation: 2,230 feet above M&L

Year	Precipitation (inches)
1978	41.13
1979	28.86
1980	28.77
1981	26.81
1982	61.89
1983	45.40
1984	16.90
1985	19.28
1986	25.15
1987	19.46
1988	20.14
1989	19.44
1990	15.56
1991	26.42
1992	22.91
1993	33.62
1994	23.48
1995	44.38
1996	-
1997	17.82
1998	33.29
1999	17.83
2000	30.60
2001	33.88
2002	-
2003	-
2004	22.95
2005	31.51
2006	-

source: National Climatic Data Center

April. The lowest monthly precipitation (less than one inch) is normally during June and September. An isophyetal map of mean annual precipitation (Figure 2) from the California Department of Water Resources (1956) indicates values ranging from less than 16 inches near the confluence of Coarsegold Creek and Fresno River, to about 30 inches near Mudge Ranch. This range is associated with the large range in land surface elevations. Both elevations and precipitation generally increase to the northeast in the Coarsegold area. Appendix A contains precipitation records for the Coarsegold area.

EVAPOTRANSPIRATION ESTIMATES

In most foothill and mountain areas, groundwater pumping comes from water that would otherwise have run off as streamflow or have been consumed by evapotranspiration. Estimates of evapotranspiration of vegetation in the foothills and mountains of the Central Sierra Nevada were provided by KDSA (2005). For most high elevation parts of the watersheds in the Coarsegold area, where conifer forests present, the evapotranspiration is about 24 inches of water per year. In contrast, for the lower elevation lands in the southwest part of the Coarsegold area, evapotranspiration from the grass-oak woodland is expected to be about 16 inches per year. The relation between precipitation and evapotranspiration means that most of the streamflow originates in the higher part of the

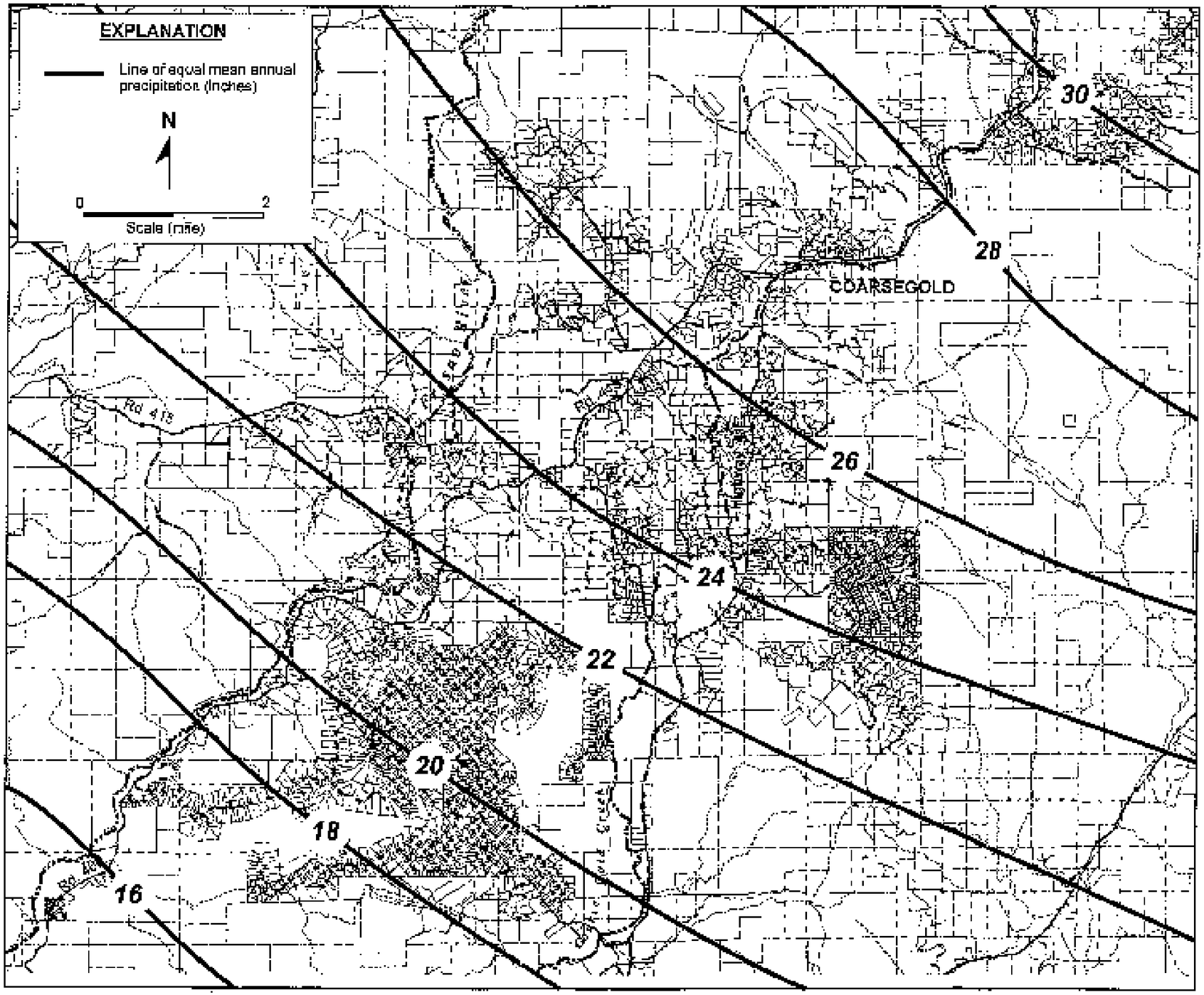


FIGURE 2 - MEAN ANNUAL PRECIPITATION (INCHES)

Coarsegold Creek watershed.

WATERSHEDS AND STREAMFLOW

Figure 1 shows local watersheds in the Coarsegold area. The largest watershed is that of Coarsegold Creek and the next largest is Picayune Creek. Records of streamflow in the Coarsegold area were obtained from the U.S. Geological Survey National Water Information website, and are provided in Appendix B. Station 1125700 was located on Picayune Creek, just upstream of the confluence with Coarsegold Creek, and the drainage area above the gage was 8.17 square miles. Streamflow records are available for this station from 1964 to 1968. The annual streamflow ranged from about 700 acre-feet to 5,000 acre-feet during this period, and the average was 2,900 acre-feet. This period was wetter than normal.

Boyle Engineering Corporation (1973) delineated a 39,500-acre watershed for Coarsegold Creek above Blackhawk reservoir and estimated a mean annual runoff of about 9,000 acre-feet per year. Blackhawk Reservoir when full can store 650 acre-feet of water and covers a 51-acre area. At one time, Yosemite Lakes had an agreement with MID to use up to 2,000 acre-feet per year of water from Coarsegold Creek or the Fresno River, as a backup for the well supply.

In the northeast part of the Coarsegold area, where the mean annual precipitation exceeds about 24 inches, there is an average

excess of precipitation over evapotranspiration of about six inches per year, which would runoff as streamflow. There is a 59-square mile watershed on Coarsegold Creek above the confluence with the Fresno River. Using an average annual precipitation on the watershed of 24 inches, an average annual evapotranspiration of about 18 inches, and a consumptive use of about 1,200 acre-feet per year, the average annual streamflow in Coarsegold Creek near the confluence would be about 18,000 acre-feet per year. The average of 9,000 and 18,000 acre-feet per year, or 13,500 acre feet per year is probably the best value for this streamflow.

GEOLOGIC CONDITIONS

Bateman (1992) prepared a map of rock types in the Bass Lake-Oakhurst area, which includes the Coarsegold area. Figure 3 is a modified version of this map for the Coarsegold area. Most of the rock outcrops in the area are granitic rocks, and the Bass Lake tonalite is the most widespread of these. There is a fairly large area of metamorphic rocks (phyllite and greenstone) in the northeast part of the Coarsegold area, extending through the town of Coarsegold. Also shown are the strikes and dips of foliations in the rock outcrops, which generally are similar to fracture patterns, and fractures that were mapped in rock outcrops as part of this evaluation. The predominant fracture pattern trend in most of the Coarsegold Area is northwest-southeast, and the fractures are steeply dipping or near vertical, except in the southeast part of

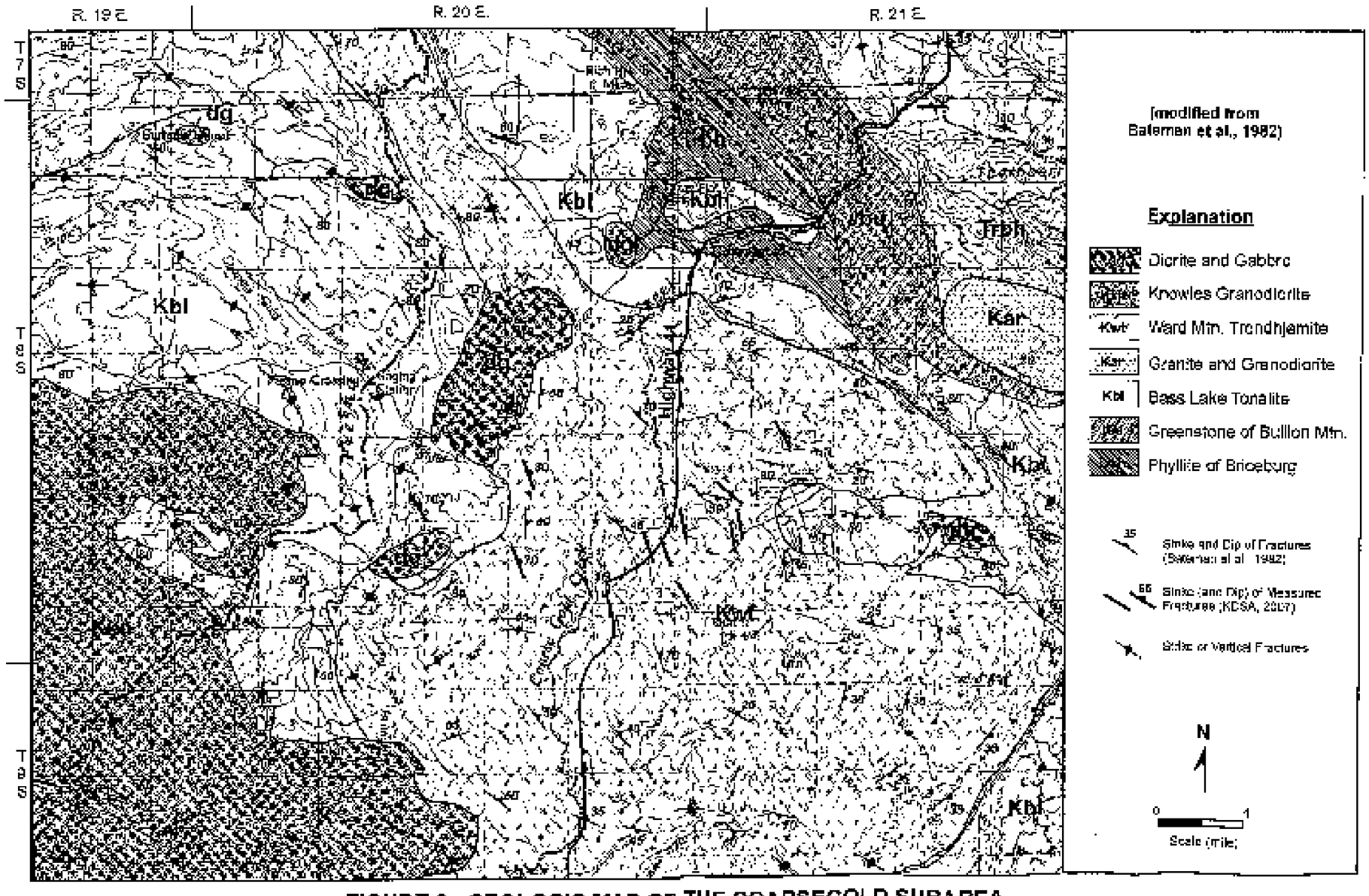


FIGURE 3 - GEOLOGIC MAP OF THE COARSEGOLD SUBAREA

the area, where the dip is commonly less than 45 degrees. Also, fracture patterns in this part of the study area have variable orientations.

SUPPLY WELLS

Both large and small water systems are present in the Coarsegold area. Water system wells provide most of the water for development in the south part of the Coarsegold area. However, private wells outside of these systems provide most of the water used in the north part of the area (discussed in a subsequent section of the report).

Large Water Systems

Large water systems in the Coarsegold area include:

Madera County MD SA 1 (Indian Lakes)

Madera County MD 40 (Sunset Mountain)

Madera County MD 63-A (Meadow Springs Ranch)

Madera County MD 73-A (Quartz Mountain)

Coarsegold Highlands

Yosemite Spring Park Utility (Yosemite Lakes).

Figure 4 shows locations of water systems and wells in the area north of the Yosemite Lakes subdivision.

Indian Lakes

Indian Lakes (Madera County SA 1) is located and east of the

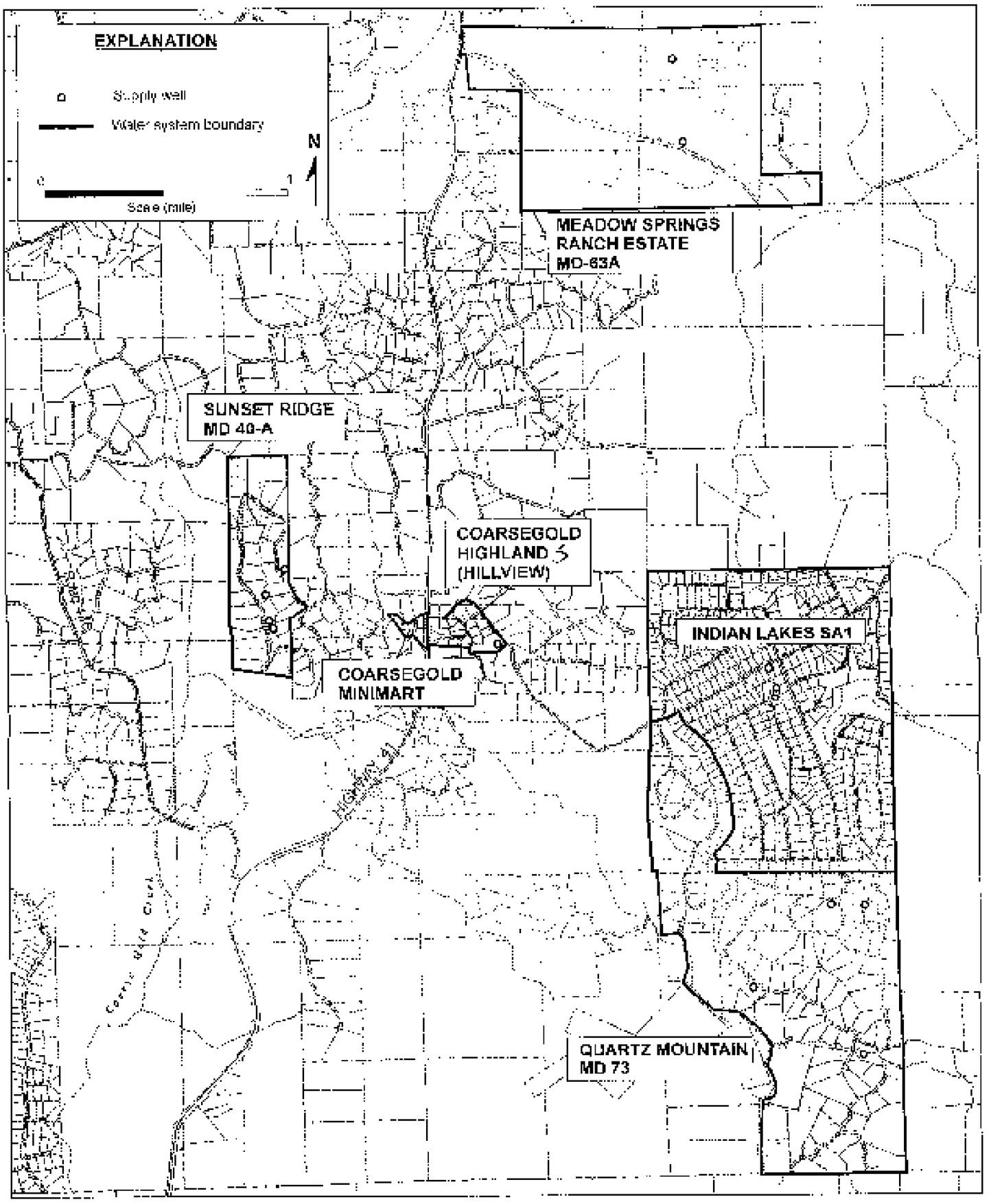


FIGURE 4 - LOCATIONS OF WATER SYSTEMS AND WELLS
NORTH OF YOSEMITE LAKES SUBDIVISION

Picayune Rancheria and had 464 connections in 2006. All of the active water system wells are located just south of Road 417 near the large water storage tanks. Table 2 provides information on the presently active Indian Lakes water system wells. As of late 2006, there were five active wells (No. 4, 5, 6, 7, and 8). Wells No. 4 and 5 range from 365 to 370 feet in depth and Well No. 6 is 750 feet deep. Wells No. 7 and 8 were drilled in early 2005 to depths of 932 and 1,082 feet, respectively, and are two of the deepest wells in the Coarsegold area.

The major water-producing zones in the active water system wells are in the following depth intervals:

Well No.	Depth (feet)
4	300-325
5	295-335
6	330-331 & 557-558
7	415-452 & 882-883
8	612-613, 927-978 & 1,058-1,059

Pumpage from the Indian Lakes wells is measured, and the pumpage was 224 acre-feet in 2006. Except for the Yosemite Springs Park Utility, this is the largest amount of concentrated pumpage in the study area.

There are a number of unused water system wells in the Indian

TABLE 2-CONSTRUCTION DATA FOR INDIAN LAKES WATER SYSTEM WELLS

No.	Date Drilled	Total Depth (ft)	Cased Depth (ft)	Casing Diam (in)	Airlift (gpm)	Pumping Rate (gpm)
4	7/66	365	68	6	15	10
5	6/88	370	73	12	300	298
6	12/99	750	100	8	150	80
7	2/05	932	100	8	300	-
8	1/05	1,082	100	8	165	-

Data from water well completion reports and Madera County. Well No. 8 was not in service as of 2006.

Lakes Subdivision, most of which are only about 200 to 300 feet deep. These wells were abandoned primarily due to lack of sustained water production.

Quartz Mountain

The Quartz Mountain system (MD 73A) had 125 connections in 2006 and four wells, three of which were active. Figure 4 shows the locations of these wells and Table 3 provides construction information. Depths of these wells ranged from 400 to 898 feet. Pumping rates ranged from about 30 to 60 gpm per well. Most of the water production in these wells came from the following depth intervals:

Well No.	Depth (feet)
Willow Pond 1	532-533 & 803-804
Willow Pond 2	591-604, 647-667, & 702-705
Ridge 1	610-620, 705-710, & 820-830
Ridge 2	377-378

Pumpage from the Quartz Mountain wells is measured, and the pumpage was 81 acre-feet in 2006.

Sunset Ridge (MD 40-A)

Sunset Ridge had 27 connections in 2006. Sunset Ridge has three active wells and five additional wells that are unused. Most of the unused wells range in depth from about 250 to 350 feet. Table 4 provides data on the Sunset Ridge active wells as of 2004.

TABLE 3-CONSTRUCTION DATA FOR QUARTZ MOUNTAIN WELLS

No.	Date Drilled	Total Depth (ft).	Cased Depth (ft).	Casing Diam (in)	Airlift (gpm)	Pumping Rate (gpm)
Willow Pond #1	8/90	400	55	8	75	-
	4/02	898	55	8	>200	60
Willow Pond #2	6/92	750	80	8	60	30-40
Ridge #1	7/91	875	60	6	60	51
Ridge #2	12/95	400	60	8	90	58

Data from water well completion reports and Madera County.

TABLE 4-CONSTRUCTION DATA FOR SUNSET RIDGE WELLS

No.	Date Drilled	Total Depth (ft)	Cased Depth (ft)	Casing Diam (in)	Airlift (gpm)	Pumping Rate (gpm)
1	8/90	680	50	6	100	
2	8/90	550	50	6	90	
3	7/90	475	52	6	100	

Data from water well completion reports and Madera County.

Depths of these ranged from 475 to 690 feet. Airlift yields ranged from 30 to 100 gpm. Most of the water production came from the following depth intervals:

Well No.	Depth (feet)
1	679-680
2	Unknown
3	Unknown

Pumpage from these wells was 19 acre-feet in 2006.

Coarsegold Highlands

The Hillview Water Co. Coarsegold Water System serves 22 lots in the area just east of Highway 41 and primarily south of Road 417. The system has two wells. Well No. 1 is 240 feet deep and Well No. 2 is 703 feet deep. The water well drillers report for Well No. 2 indicates that most of the water production was from 320 to 321 feet, 407 to 408 feet, and 702 to 703 feet, respectively. Pumping rates range from less than 15 to 75 gpm. In 2006, the total pumpage from these wells was 9 acre-feet.

Picayune Rancheria

Three wells are used for the Casino (No. 1, 2, and 3), and a fourth (No. 4) is used for the tribal administrative offices. There are three other inactive wells at the Rancheria that were formerly used for homes that have been demolished. These wells are

used only for monitoring. Table 5 summarizes data for the active wells. The Casino wells range in depth from about 380 to 470 feet. The air-lifted yields of these wells ranged from 100 to 300 gpm. Most of the water production from these wells came from the following depth intervals:

Well No.	Depth (feet)
1	415-418, 439-442, & 451-453
2	379
3	310-313, 340-344, & 408-438

Well No. 4 is only 200 feet deep, and had an air-test yield of 25 gpm. Prior to early September 2003, Well No. 2 was the source of water for the Casino. This water was used during construction. Well No. 3 was the primary well used for the Casino between September 2003 and Summer 2007. The total pumpage for the Casino was __ acre-feet in 2006. Pumpage for the Casino is limited, because of the reuse of wastewater effluent. In addition, metered records for the Casino wells indicate that the total pumpage is relatively constant throughout the year. This is an important factor in evaluating water-level trends for wells in the area.

Because of expansion of the Casino in 2007, Well No. 3 had to be destroyed. In August 2005, Walt Bannon Drilling, Inc. of Oakhurst drilled Casino Well No. 5 at a site along Lucky Lane, about 1,500 feet west-southwest of Well No. 3. Well No. 5 was drilled to

TABLE 5-CONSTRUCTION DATA FOR PICAYUNE RANCHERIA WELLS

No.	Date Drilled	Drilled Depth (ft)	Cased Depth (ft)	Perforations (ft)	Airlift (gpm)	Pumping Rate (gpm)
1	4/03	470	465	380-460	100	-
2	5/00	382	52	None	300	65
3	4/03	450	445	105-450	125	-
4	11/76	200	40	None	25	-

Data from well completion reports and Chukchansi Indians.

a depth of 1,083 feet, and the uppermost 300 feet of the well was sealed off, to preclude pumping of shallow groundwater. About 125 gpm of water was airlifted from a fracture zone between 392 and 395 feet in depth. An additional 60 to 75 gpm was obtained from a fracture zone between 1,082 and 1,083 feet in depth. The well has yet to be pump tested, and is not yet in service.

Yosemite Springs Park Utility Co.

The Yosemite Springs Park Utility Co. had 21 active water supply wells as of 2006. Locations of the water system and wells are provided in Figure 5. Table 6 provides construction data for these wells. A number of wells were drilled in 1969, primarily in Long Hollow. Most of these earlier wells were only several hundred feet deep. Most of these wells were subsequently abandoned and replaced by deeper wells, and some were deepened. Beginning with Well 34-A in 1981, six deeper wells were drilled, ranging in depth from about 600 to 1,400 feet. Subsequent new wells were usually from about 860 to 1,230 feet deep, depending on where water-producing fractures were found. By 2007, only two wells about 200 feet deep (28-A and 29-A) were still in service. Only two wells about 500 feet deep (31-A and 40-A) were still in service as of 2007. Thus most of the water system production came from wells more than 600 feet deep. Table 6 also shows depths of major water-producing fracture. Most of the active wells are highly productive. Most of the wells

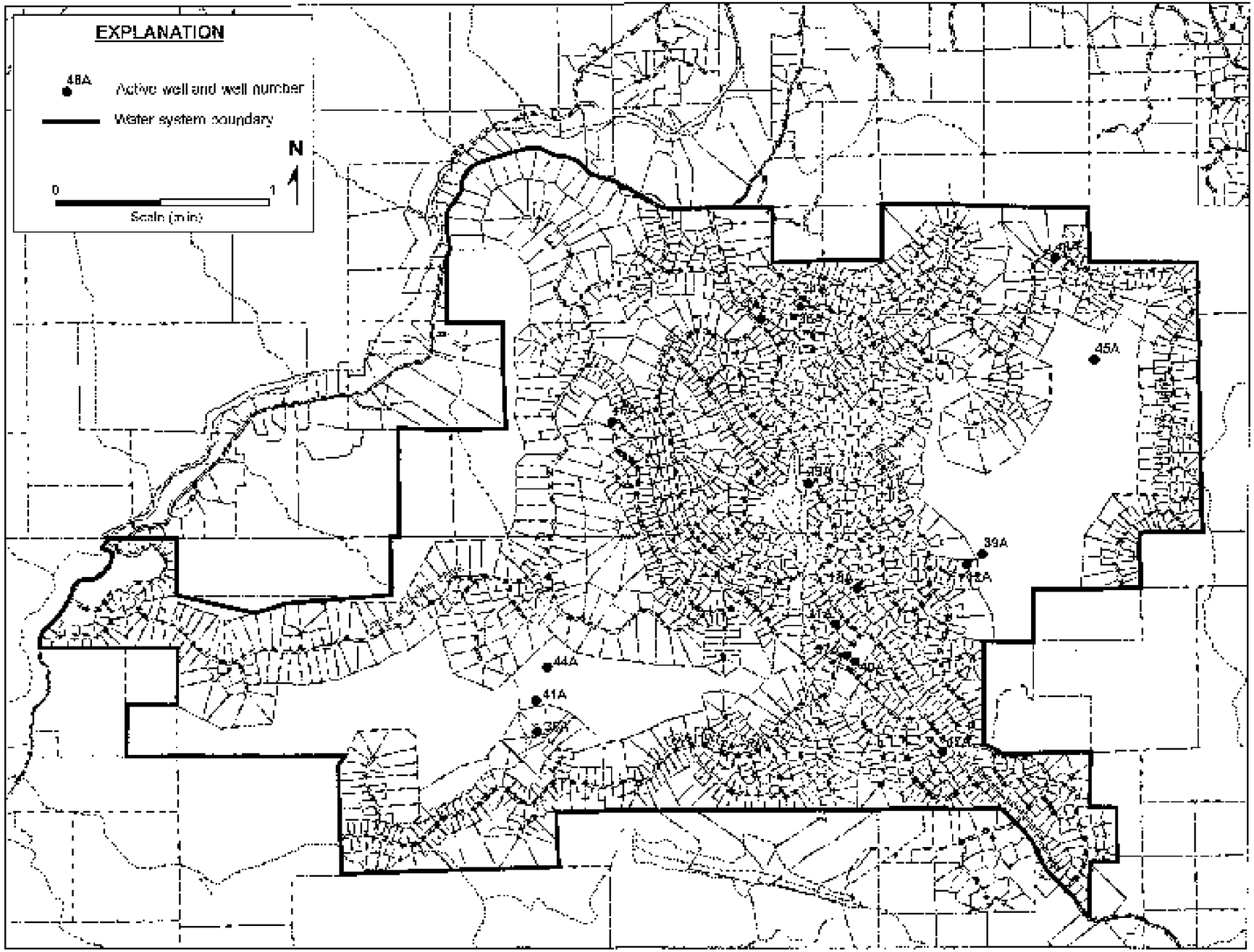


FIGURE 5 - LOCATIONS OF WATER SYSTEM AND SUPPLY WELLS FOR YOSEMITE LAKES SUBDIVISION

TABLE 6-CONSTRUCTION DATA FOR ACTIVE YOSEMITE SPRINGS PARK UTILITY WELLS

No.	Date Drilled	Total Depth (feet)	Cased Depth (feet)	Primary Water Producing Fractures (feet)
1A	7/69	225	20	42-63, 178-195
	10/90 (Deepened)	675	20	350-380, 575-600
11A	7/69	248	12	60-161
	10/90 (Deepened)	700	12	525-527
18A	1969	173	12	42-58, 66-92, 152-163
	9/90 (Deepened)	675	12	250-255
28A	10/69	192	10	68-87, 145-154
28B	N.A.	N.A.	N.A.	N.A.
29A	10/69	159	6	75-78, 90-98, 107-109, 120-138, 142-145
	3/95 (Deepened)	207	50	205-207
31A	1969	260	10	29-47, 94-101, 130-160, & 240-251
	9/90 (Deepened)	450	10	370-375, 400-425
35A	8/81	625	60	98, 176, 240-250
36A	8/81	1,125	50	180-185, 970-990, & 1,080-1,085
37A	10/81	675	50	456-458

Continued:

TABLE 6-CONSTRUCTION DATA FOR ACTIVE YOSEMITE SPRINGS PARK UTILITY WELLS
(Continued:)

No.	Date Drilled	Total Depth (feet)	Cased Depth (feet)	Primary Water Producing Fractures (feet)
38A	1981	650		
	2/82 (Deepened)	1,000		662-761, 765-796, 820-825
39A	12/81	1,400	52	907-615, 1,134-1,140
40A	9/88	558	50	222, 550-556
41A	12/91	860	56	85-87, 735-737, 815-819
42A	12/97	1,230	55	770-771, 1,180-1,188
44A	12/94	1,200	105	533-535, 850-851, 990-996
45A	5/95	1,170	60	1,048-1,049, 1,162-1,163
46A	7/96	775	80	642-643, 752-753
47A	7/96	880	100	740-741, 790-791, 856-853
48A				

Data from well completion reports and files of Yosemite Springs Park Utility.

are located in or near Long Hollow, which is indicated to be a major fracture zone-the largest known in the Coarsegold area. Most of the water production for the system in 2006 came from Wells No. 42-A, 40-A, 1-A, 36-A, 37-A, 45-A, and 47-A. All of these wells were drilled or deepened after 1980.

Small Water Systems

Todd Engineers (2003) summarized data on a number of small water systems in the Coarsegold area. Information on these was updated for this evaluation.

System	Connections
The Village	21
Oak Creek MHP	198
Bluff Drive W.C.	6

Individual Wells

Completion reports for individual wells in the Coarsegold area were obtained from the California Department of Water Resources. The completion reports for these wells are considered confidential. Where possible, these logs were matched with parcel numbers available from Madera County. These wells were then associated with specific subareas for farther evaluation. Appendix C contains a summary of well construction data and airtest yields for these individual wells, by subarea (Figure 1).

Mudge Ranch Subarea

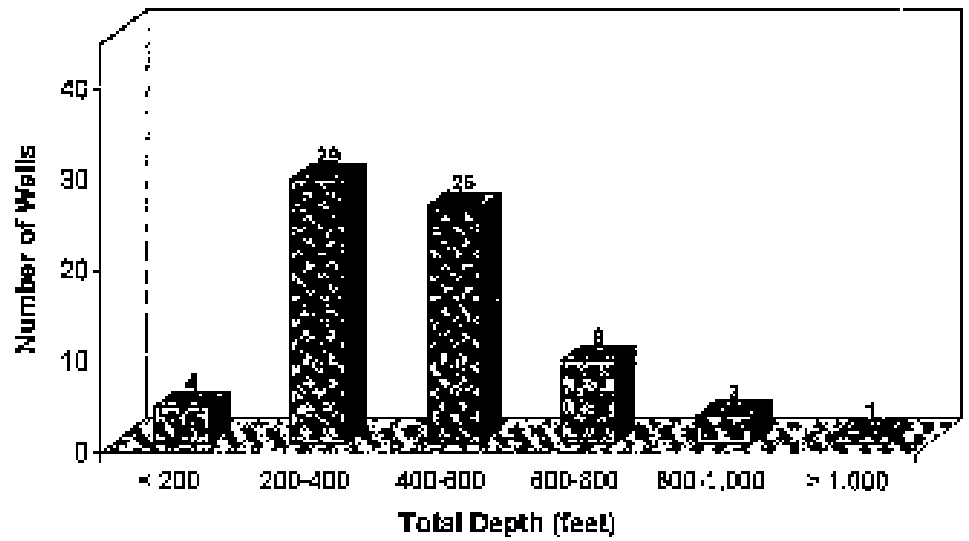
A total of 72 individual wells in the Mudge Ranch subarea had completion reports that could be matched with parcel numbers. Figure 6 shows the range in depth and airtest yields at the time of drilling for these wells. Although airtest yields at the time of drilling aren't necessarily indicative of long-term yields, they provide some indication of the yields. Most of the individual wells with records in this subarea range from 200 to 600 feet in depth. Airtest yields of about 85 percent of these wells exceeded 5 gpm. About two-thirds of these wells had airtest yields exceeding 10 gpm, which is considered good.

Coarsegold Subarea

A total of 84 individual wells had completion reports that could be matched with parcel numbers in the subarea. Figure 7 shows depths and airtest yields for individual wells in this subarea. About half of the individual wells ranged from 200 to 480 feet in depth. Almost 80 percent of the individual wells had airtest yields of more than 5 gpm. About two-thirds of the wells had airtest yields exceeding 10 gpm, which is considered good.

Road 415-Trabuco Road Subarea

Completion reports were available for 98 individual wells that could be matched to parcel numbers in this subarea. Figure 8 shows



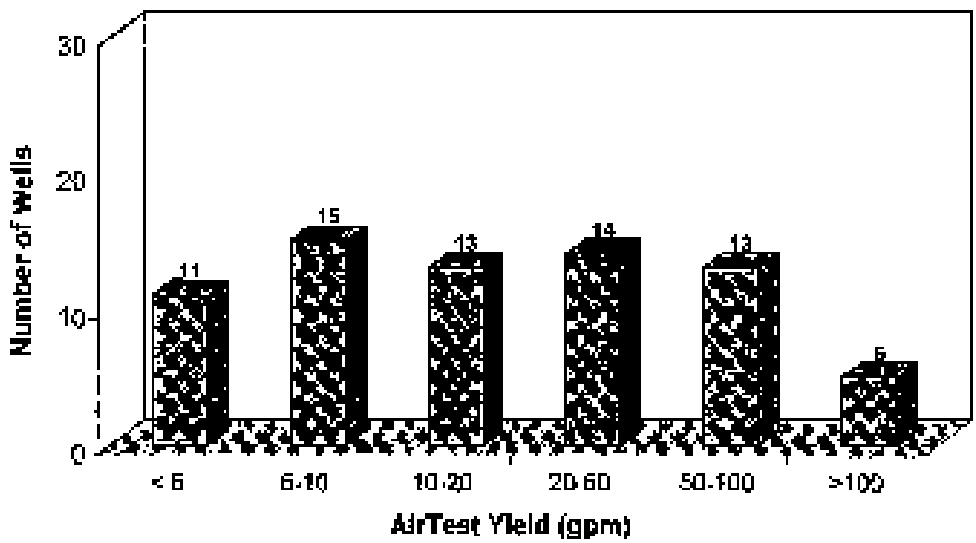
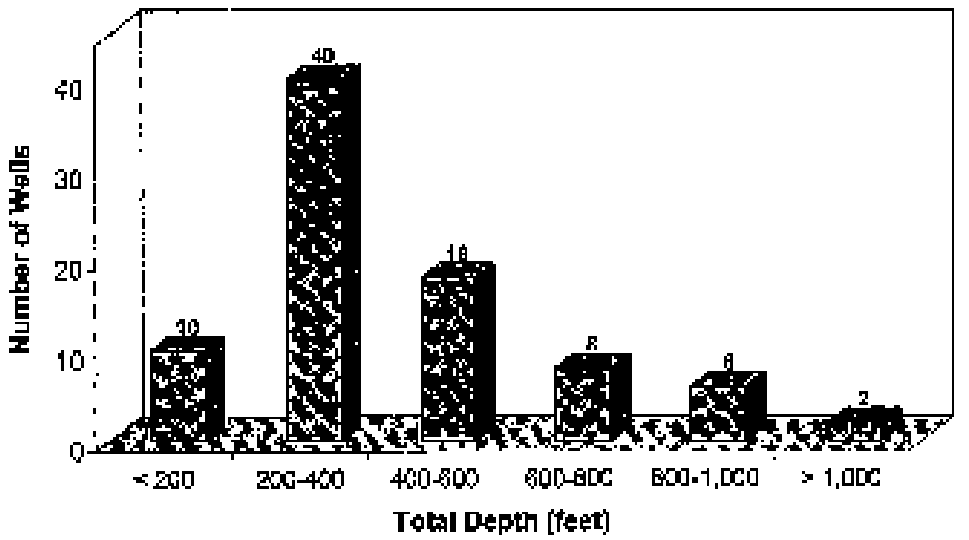


FIGURE 6 - DEPTHS AND AIRTEST YIELDS OF WELLS IN MUDGE RANCH SUBAREA



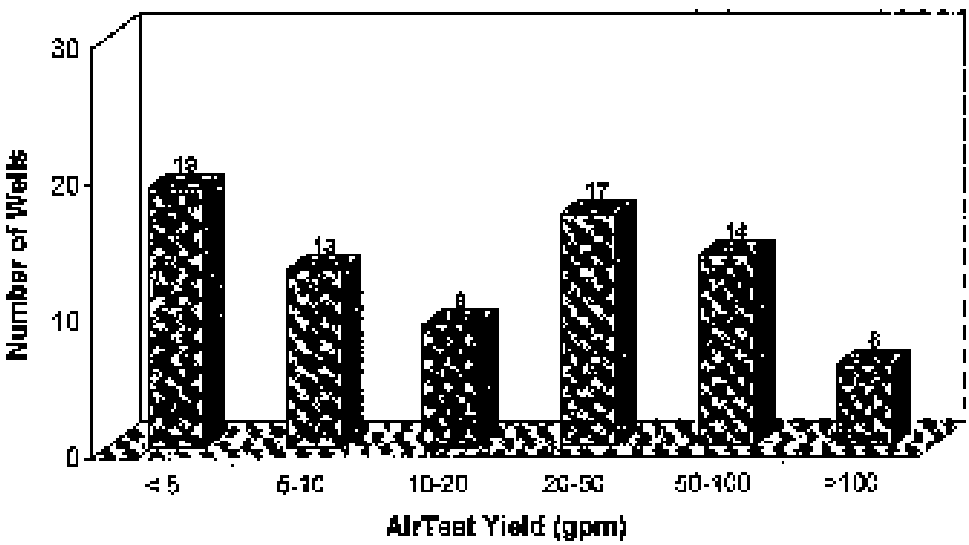
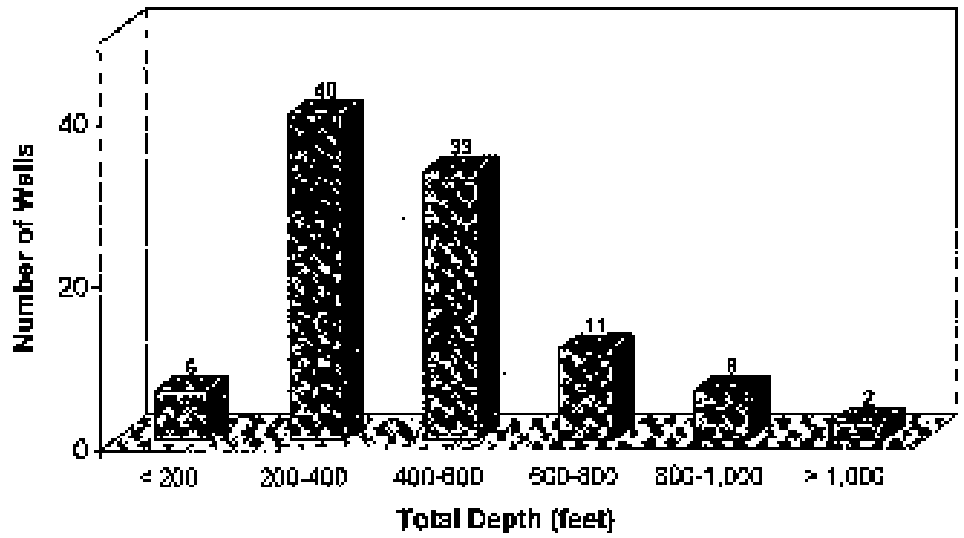


FIGURE 7 - DEPTHS AND AIRTEST YIELDS OF WELLS IN COARSEGOLD SUBAREA



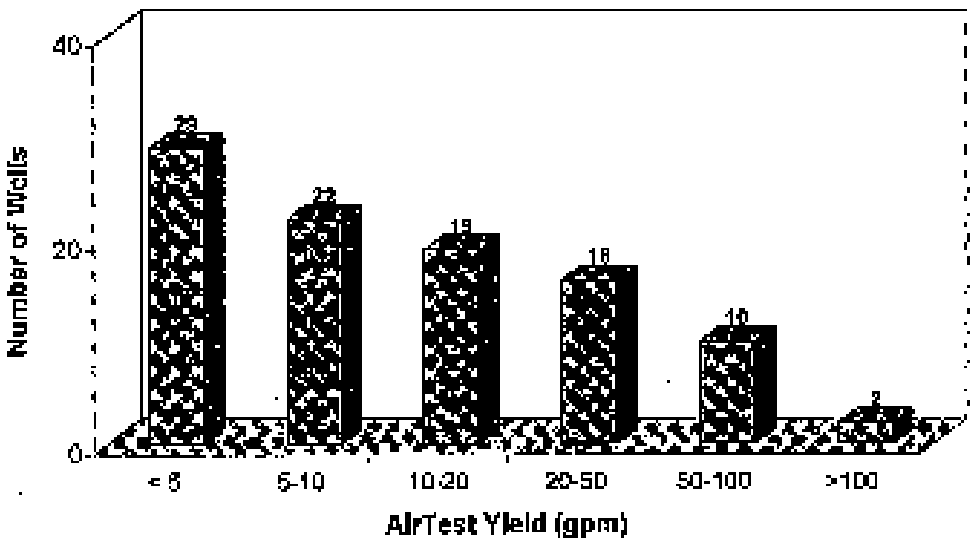


FIGURE 8 - DEPTHS AND AIRTEST YIELDS OF WELLS IN ROAD 415 - TRABUCO ROAD SUBAREA

depths and airtest yields at the time of drilling for wells with completion reports. Almost 80 percent of these wells were less than 600 feet deep. Airtest yields for about 60 percent of the individual wells exceeded 5 gpm. This is indicated to be a less favorable area for well production compared to the two previous subareas.

Road 400-Road 415 Subarea

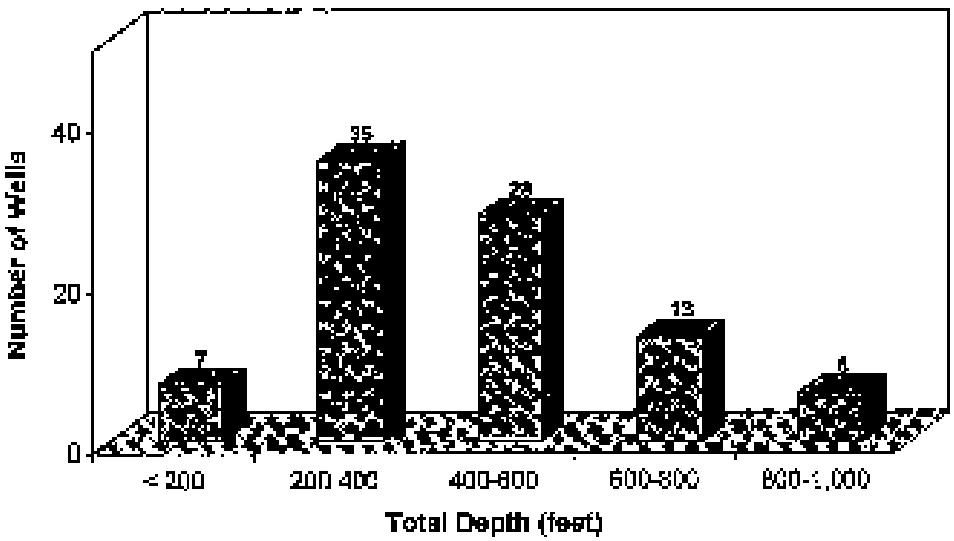
Completion reports were available for 89 individuals wells in this subarea that could be matched to drillers reports. Figure 9 shows the depths and airtest yields at the time of drilling for wells with completion reports. About 70 percent of the wells were less than 600 feet deep. Almost 90 percent of the wells had air-test yields exceeding 5 gpm. About 60 percent had yields exceeding 10 gpm, which is considered good.

Road 416 Subarea

Completion reports were available for 53 wells in the subarea. About half of of these wells ranged from 400 to 600 feet deep, and more than 80 percent were less than 600 feet deep (Figure 10). Airtest yields at the time of drilling for 85 percent of the wells exceeded 5 gpm. Yields for almost three-fourths of these wells exceeded 10 gpm, and this is considered good.

Picayune Rancheria Subarea

Completion reports were available for 82 wells in this sub-



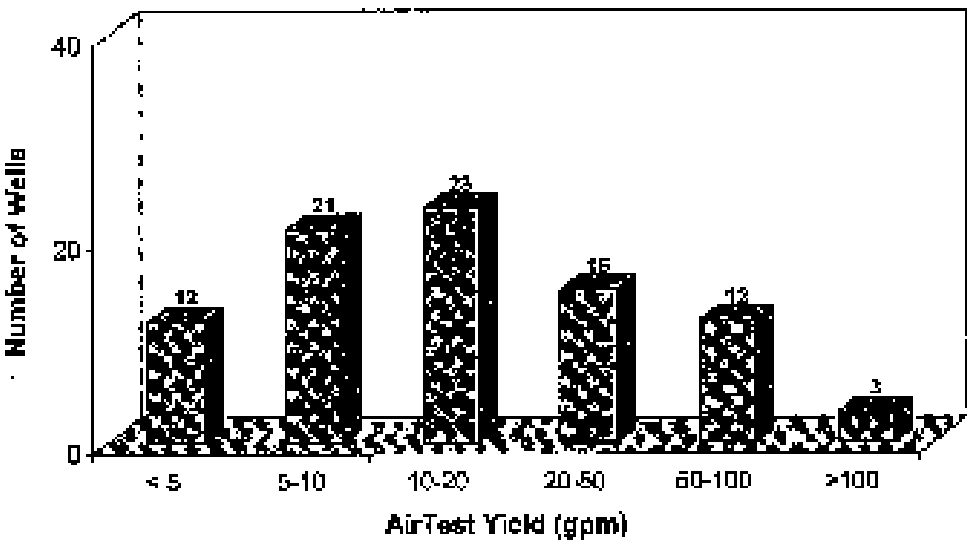
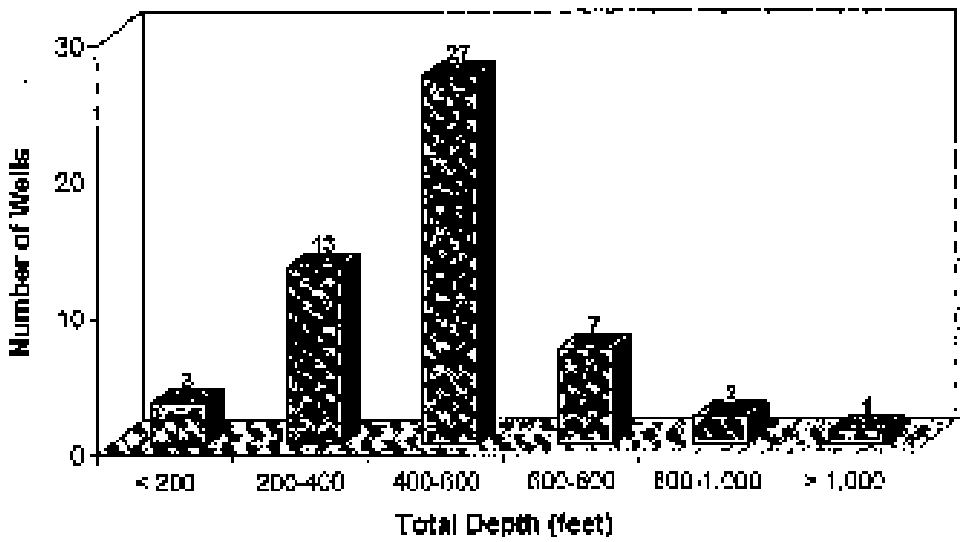


FIGURE 9 - DEPTHS AND AIRTEST YIELDS OF WELLS IN ROAD 400 - ROAD 415 SUBAREA



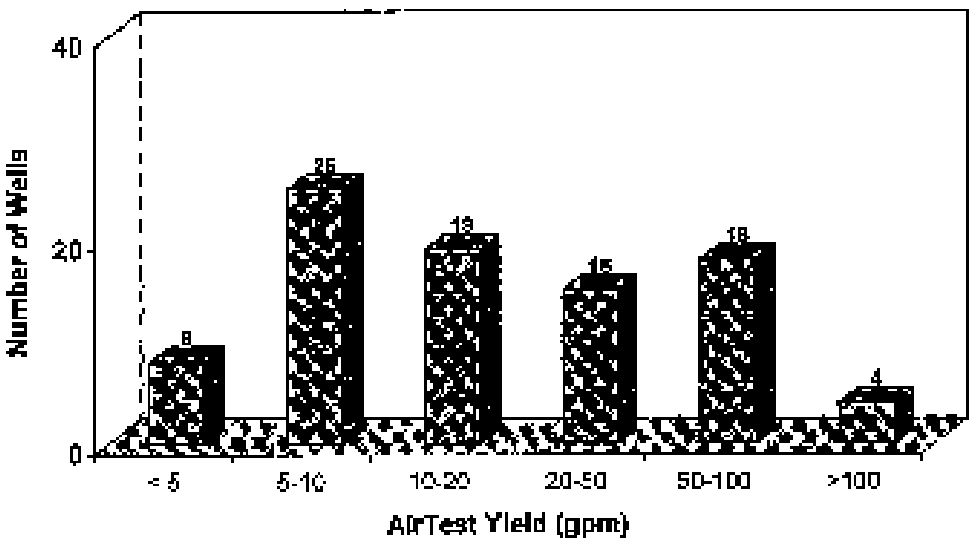


FIGURE 10 - DEPTHS AND AIRTEST YIELDS OF WELLS IN ROAD 416 SUBAREA

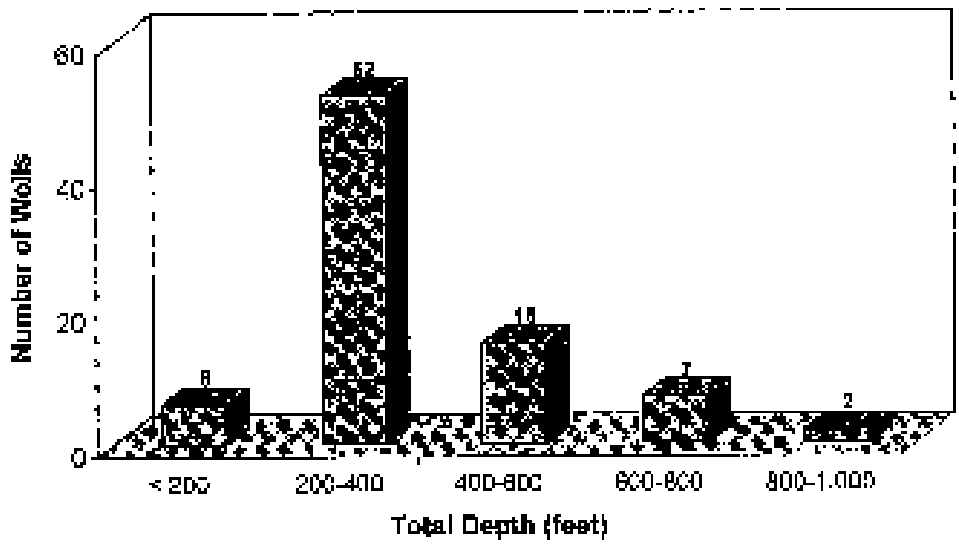
area. Figure 11 shows depths and airtest yields of these wells at the time of drilling. Most of these wells ranged from 200 to 600 feet in depth. Airtest yields for 92 percent of the wells exceeded 5 gpm. Yields for two-thirds of these wells exceeded 10 gpm.

WATER LEVELS

The Chukchansi Indians installed continuous water-level recorders in three of the Casino Wells (No. 1, 2, and 3). Records for these are available since September 2003. In Fall 2004, KDSA commenced a water-level measurement program to supplement these measurements in the Picayune Rancheria vicinity. Included were:

1. Other wells at the Rancheria.
2. A number of private wells that had reportedly gone dry due to pumpage of the Casino wells. These wells were north or northwest of the Casino on the north side of Road 417.
3. Other wells in the area, including numerous water-system and private wells. These wells were primarily within about a mile of the Casino.

As part of the present evaluation, a water-level measurement program was commenced in the Coarsegold area in late 2006. By Summer 2007, a total of 52 wells were being measured on a monthly basis. A comprehensive round of measurements was made in July 2007. Measurements continued through November 2007. Water-level measurements for wells in the Coarsegold area during 2006-07 are provided in Appendix D.



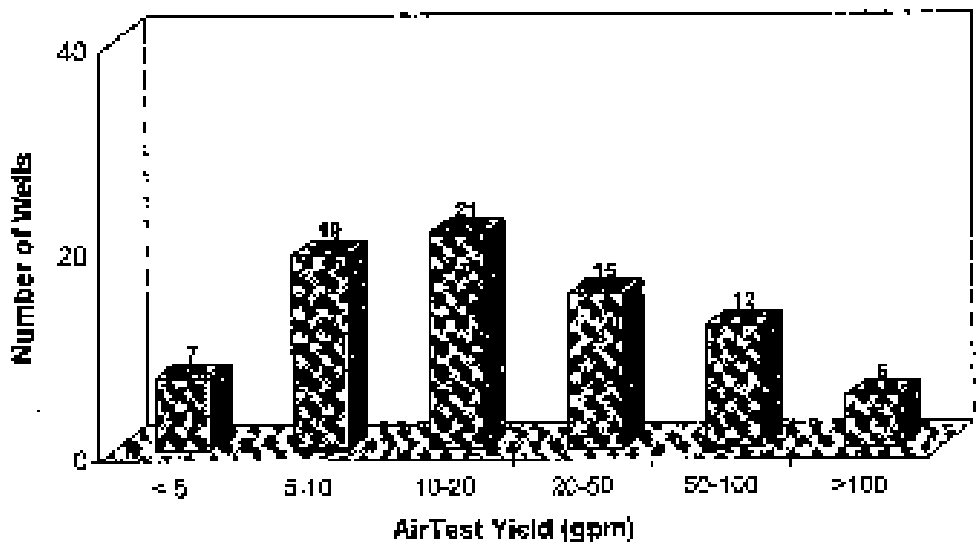


FIGURE 11 - DEPTHS AND AIRTEST YIELDS OF WELLS IN PICAYUNE RANCHERIA SUBAREA

Previous Water-Level Maps

Several water-level elevation maps were available for part of the Coarsegold area. The first map was prepared by Kenneth D. Schmidt (1972) for the Yosemite Lake subdivision. In 1972, most of the Yosemite Lakes wells were in Long Hollow and no deeper than about 400 feet. Water-level elevations ranged from about 1,150 feet to 1,300 feet above mean sea level, and the direction of groundwater flow was to the southwest. Schmidt noted that these elevations, when projected southeast to Coarsegold Creek, were nearly coincident with the creek channel elevations. In 1997, Schmidt mapped water-level elevations for the deeper Yosemite Lakes wells (i.e., more than 900 feet deep). Water-level elevations for these wells ranged from about 1,220 feet at Well 41-A (one of the southwesternmost deep wells) to about 1,270 feet at Well 31-A, the most northeasterly well (except for Well 45-A). A southwestern direction of groundwater flow was also indicated for the deep groundwater. These elevations were generally the same or higher than those in shallow wells in 1972. Well No. 45-A is located on Revis Mountain and had an anomalously high water level (several hundred feet higher than for other deep wells). In 1997, water-level elevations for wells less than 700 feet deep in or near Long Hollow usually ranged from about 1,030 to 1,210 feet. A southwesterly direction of groundwater flow was indicated for these wells.

MDSA (2005) provided a water-level elevation map for the Picayune Rancheria-Indian Lakes area for Fall 2004. Groundwater was generally flowing from high topographic areas toward Coarsegold Creek. However, there were two localized water-level depressions. One was beneath the Indian Lakes well field and the other beneath the Chukchansi Casino well field.

Water-Level Elevations and Direction of Groundwater Flow (July 2007)

Table 7 shows water-level data for wells in the Coarsegold area in July 2007. Figure 12 shows water-level elevations and the direction of groundwater flow in July 2007. In the Mudge Ranch subarea, groundwater was flowing to the west toward Coarsegold Creek. In the Coarsegold subarea, groundwater was flowing toward Coarsegold Creek from both sides, and the creek was indicated to be a location of groundwater discharge. In the Road 416 subarea, groundwater was flowing primarily to the south and toward Coarsegold Creek. The creek was also indicated to be a location of groundwater discharge in this subarea. In the Picayune Rancheria vicinity, groundwater was generally flowing to the west, and there were two water-level depressions. The easterly was around the Indian Lakes well field and the westerly was around the Casino. The lowest water-level elevations in the Coarsegold area (less than 1,530 feet) were near Coarsegold Creek, west of Highway 41. The highest water-level elevations (greater than 3,100 feet) were in

TABLE 7-WATER-LEVEL DATA FOR WELLS (JULY 18-24, 2007)

Well Identification	Measuring Point Elevation (feet)	Depth to Water (feet)	Water Level Elevation (feet)
Romero Ln.	2,923.3	292.7	2,630.6
Hill Ct.	2,508.6	240.5	2,268.1
Road 417	2,028.8	157.4	1,871.4
Road 416	1,561.9	35.6	1,526.3
Pony Express Ln.	2,284.2	75.2	2,209.0
Hwy 41-145	2,219.6	8.2	2,211.4
Hwy 41-145	2,204.3	38.9	2,165.4
Hawk Ln.	1,826.8	-	-
Spanish Oak Ln.	2,499.0	123.9	2,375.1
Tenaya Trail	1,598.6	408.1	1,190.5
Water Gulch Rd.	1,723.1	73.5	1,649.6
Highway 41	1,851.4	94.5	1,756.9
Wells Road	2,228.1	-	-
Oak Springs Ct.	1,816.5	142.2	1,674.3
Hogan Mt. Rd.	1,956.7	116.0	1,840.7
Black Oak Rd.	2,044.1	89.9	1,954.2
Savage Rd.	1,793.1	118.1	1,675.0
Chukchansi	2,039.0	146.2	1,892.8
Road 416	1,566.3	40.0	1,526.3
Indian Lake W.4	2,217.2	-	-
Indian Lake W.5	2,248.9	285.0	1,963.9
Meadow Springs W.1	2,545.8	246.3	2,299.5
Meadow Springs W.2	2,705.7	457.4	2,248.3
Highway 41	2,342.7	84.2	2,258.5
Highway 41	2,362.1	108.9	2,253.2
Woodmar Dr.	1,336.7	206.1	1,130.6
Road 416	1,564.9	35.2	1,529.7
Road 416	2,108.6	189.0	1,919.6
Road 417	2,098.0	-	-
Lucky Ln.	2,105.5	107.0	1,998.5
Highway 41	2,110.9	116.7	1,994.2
Lucky Ln.	2,094.1	91.8	2,002.3
Quartz Mt.-Pond 2	2,281.6	-	-
Quartz Mt.-Ridge 1	2,539.0	-	-
River Road 400	1,504.1	56.8	1,447.3
Sunset Dr.	3,271.2	141.0	3,130.2
Bluff Dr.	1,373.8	174.6	1,199.9
Road 415	2,311.5	129.2	2,182.3

Continued:

TABLE 7-WATER-LEVEL DATA FOR WELLS (JULY 18-24, 2007)
(Continued:)

	Measuring Point Elevation (feet)	Depth to Water (feet)	Water Level Elevation (feet)
Sunset Dr.	3,280.8	63.5	3,217.3
Sunset Dr.	3,290.0	261.9	3,028.1
Sunset Dr.	3,254.7	97.8	3,156.9
Park Sierra Dr.	1,882.2	240.0	1,642.2
Park Sierra Dr.	1,806.7	227.0	1,579.7
Park Sierra Dr.	1,840.8	168.7	1,672.1
Road 415	2,243.1	107.0	2,136.1
Road 416	1,867.3	195.0	1,672.3
Road 416	1,841.1	165.2	1,675.9
Picayune Rd.	2,021.0	119.3	1,901.7
Chukchansi Rd.	2,076.0	103.2	1,972.8
Sunset Ridge	1,827.6	150.2	1,677.4
Sunset Ridge	1,761.1	-	-
Sunset Ridge	1,755.7	89.7	1,664.0
Sunset Ridge	1,742.3	-	-
Bluff Dr.	1,741.0	293.7	1,447.3
W. Longview Dr.	2,363.3	47.5	2,315.8
D G Lane	2,428.4	135.9	2,292.5
Safari World Dr.	1,924.1	57.3	1,866.8
Cutting B. Ln.	1,739.6	90.1	1,649.5
Aspen Ct.	1,905.4	209.5	1,795.9
Oak Springs Ct.& Ln.	1,782.0	107.6	1,674.4
Road 416	1,812.1	148.1	1,664.0
Road 416	1,822.4	156.6	1,665.8

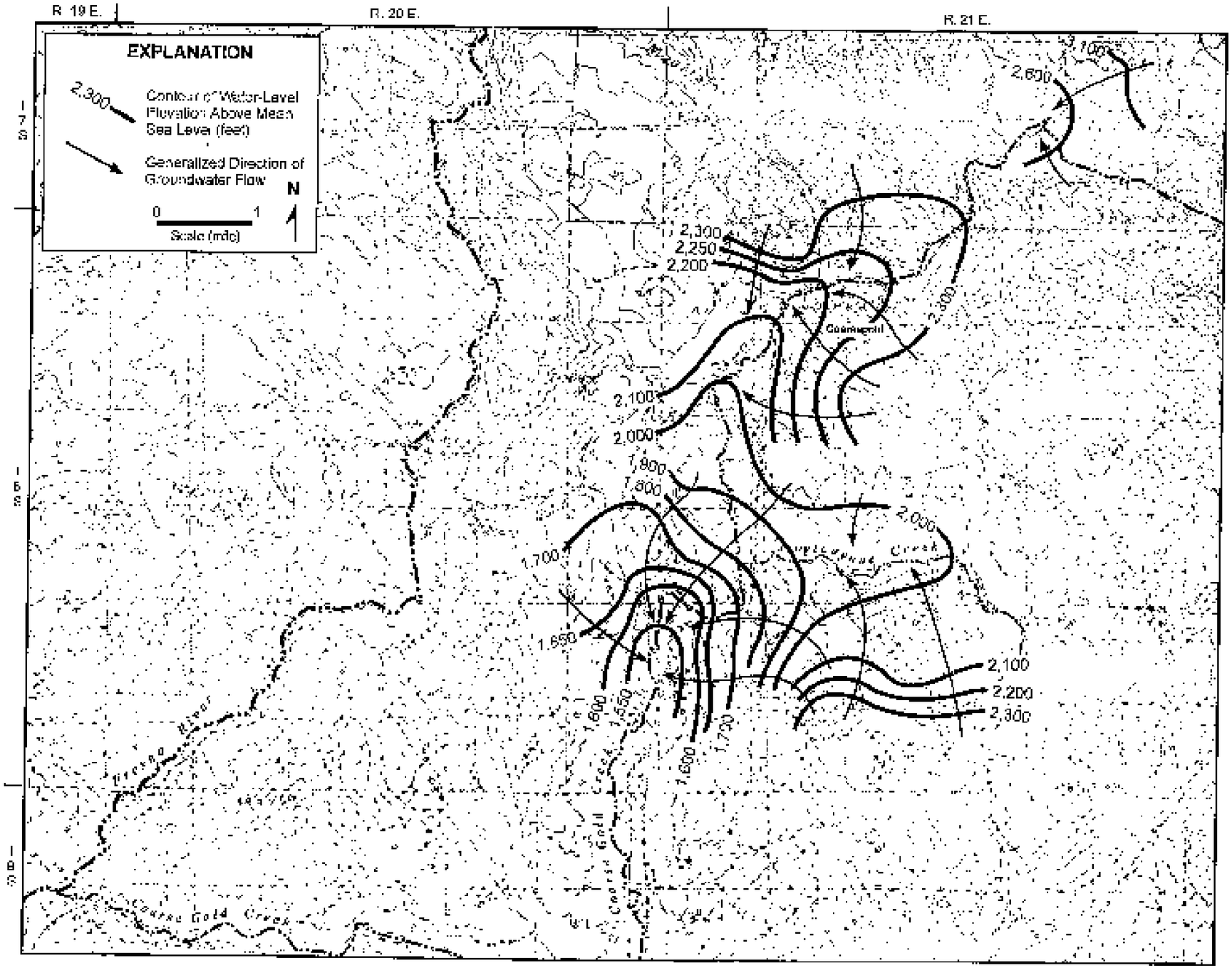


FIGURE 12-WATER-LEVEL ELEVATIONS AND DIRECTION OF GROUNDWATER FLOW IN THE COARSEGOLD AREA IN JULY 2007

the Mudge Ranch area.

Water-Level Trends

Figure 13 shows the locations of subareas with water-level hydrographs in various parts of the Coarsegold area. Area I is the Mudge Ranch subarea and Area II is the Coarsegold subarea. Area III is the Road 416 subarea. Area IV is generally west of the Picayune Rancheria. Area V is the Indian Lakes-Quartz Mountain area. Besides water-levels, monthly precipitation at the Coarsegold Ranger Station is also shown on the hydrographs. Records are not available for August, October, and November.

Figure 14 shows water-level hydrographs for four wells in the Mudge Ranch subarea. Water-level measurements in this subarea commenced in March 2007. Wells with deeper water levels are generally in higher topographic areas or are relatively deep. Since March 2007, water levels in these wells have slightly fallen.

Figure 15 shows water-level hydrographs for seven wells in the Coarsegold subarea. Water-level measurements in this subarea also began in March 2007. Depth to water has been less than 100 feet in water from four of the wells. The deeper water levels are also for wells in higher topographic areas or for deeper wells. Water levels in these wells also slightly fall through November, in the absence of significant precipitation. The water level in one well rose after mid-March 2007, likely due to recharge from precipitation in February 2007.

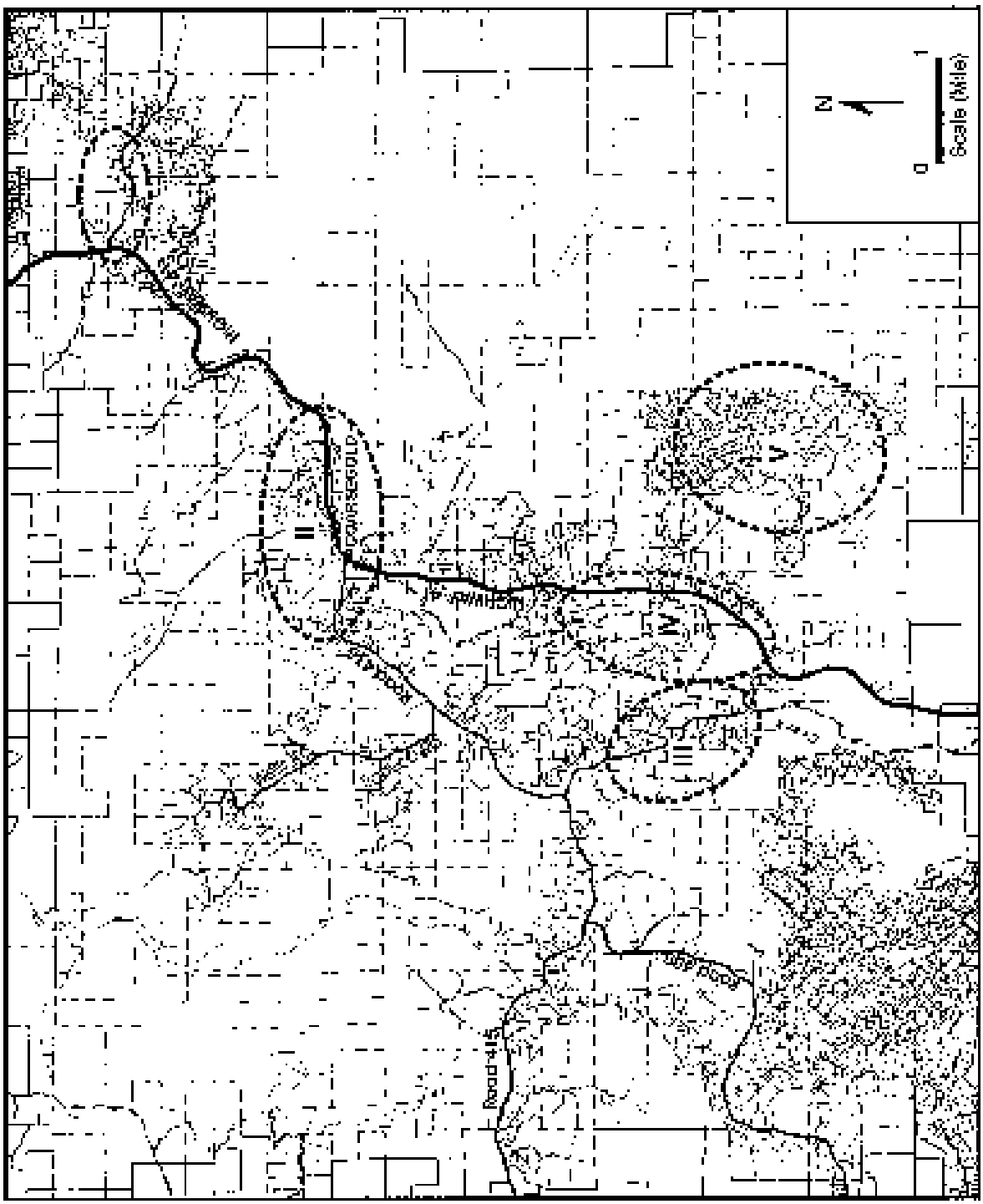


FIGURE 13 - LOCATIONS OF SUBAREAS WITH WATER-LEVEL HYDROGRAPHS

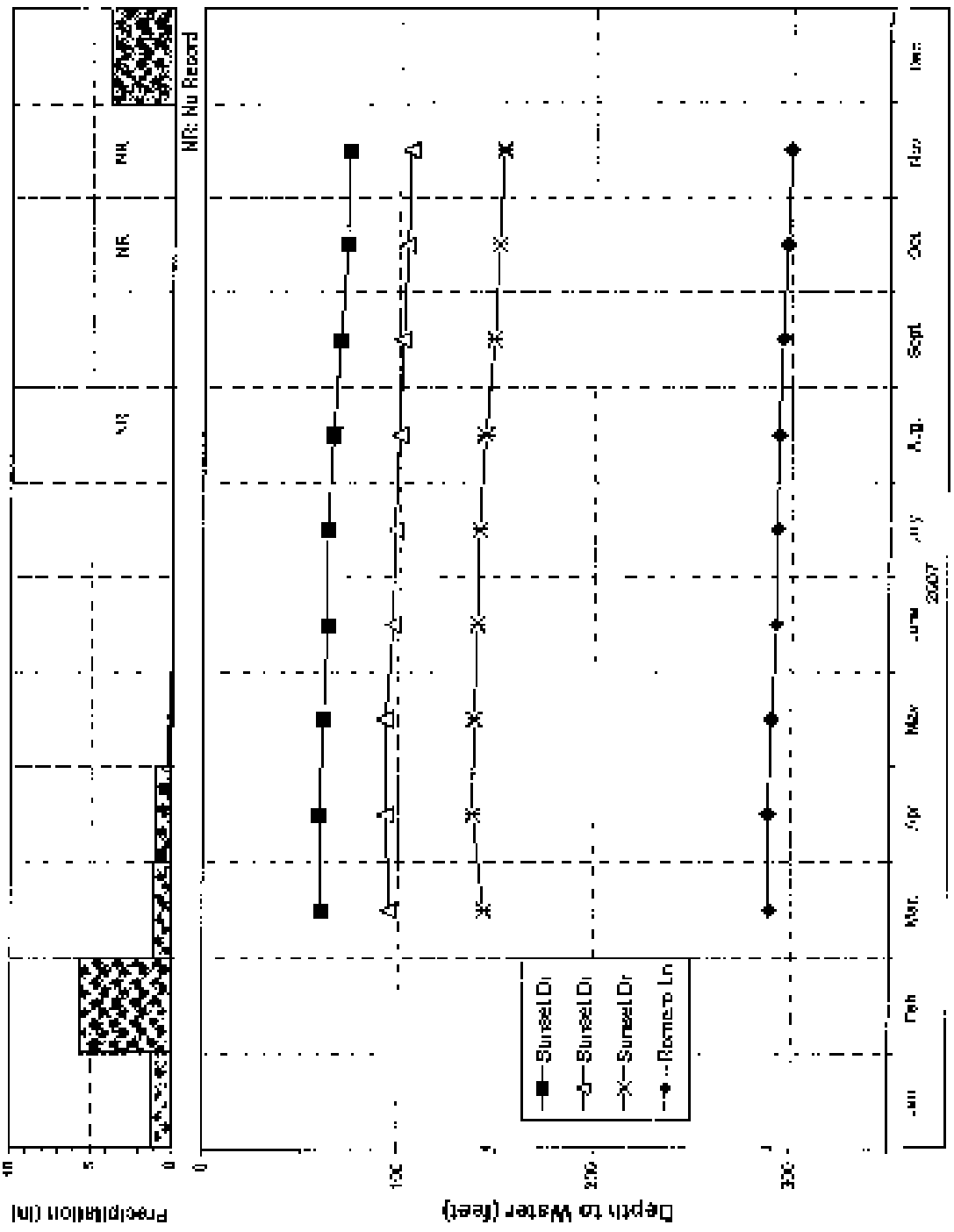


FIGURE 14 - WATER-LEVEL HYDROGRAPHS FOR WELLS IN THE MUDGE RANCH SUBAREA

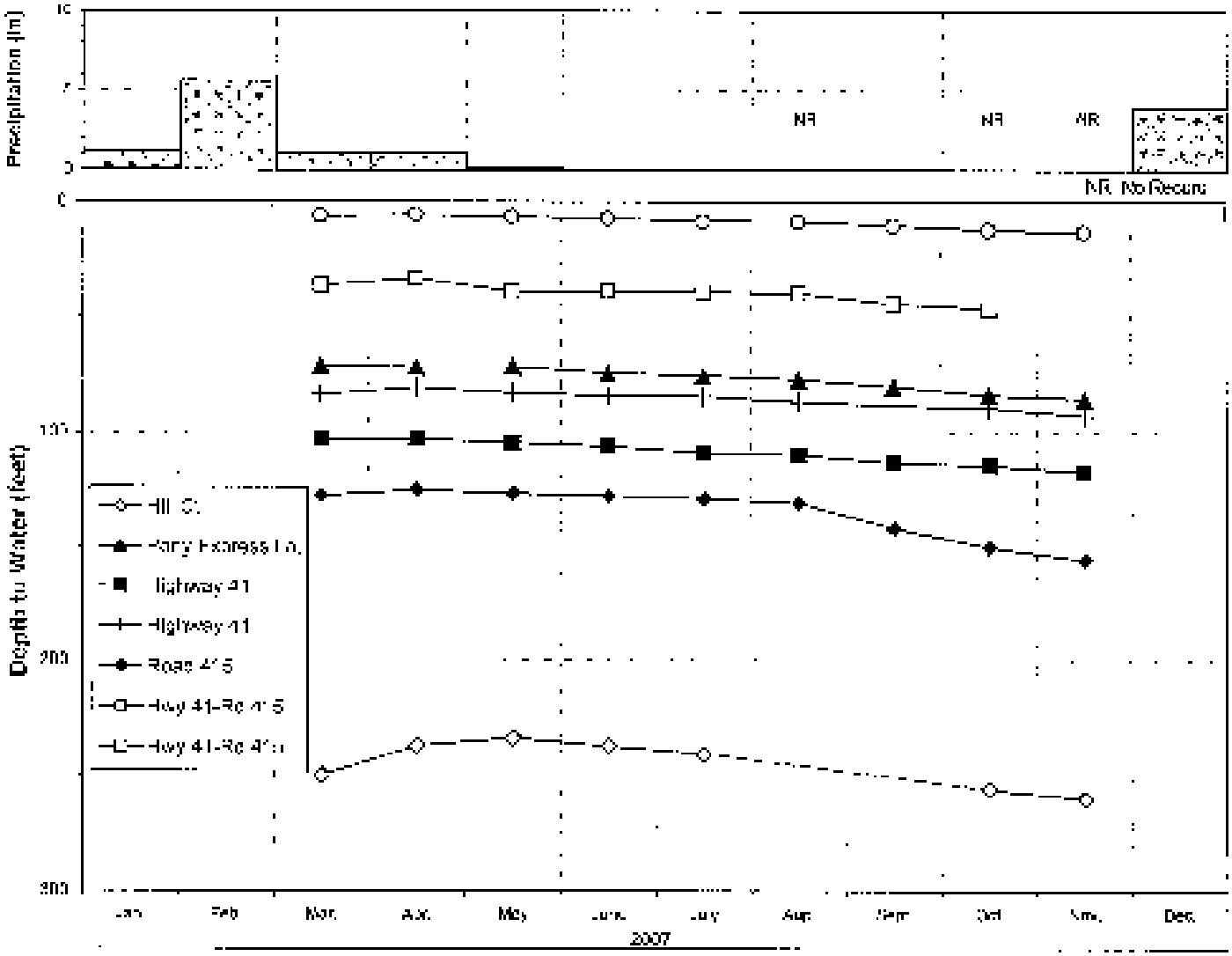


FIGURE 15 - WATER-LEVEL HYDROGRAPHS FOR WELLS IN THE COARSEGOLD SUBAREA

Figure 16 shows water-level hydrographs for eleven wells in the Road 416 subarea. Water levels in this subarea commenced in December 2006. Water levels in wells in this subarea generally did not rise following the December 2006 precipitation. In contrast, all wells in this subarea rose following the February 2007 precipitation. The same trend was also observed in the North Fork area. Much of the December precipitation likely went to satisfy a soil moisture deficiency due to a lack of precipitation prior to December. Water levels in all of the wells fell slightly after April and through November. Overall, water levels in wells in this subarea have been relatively stable. This trend has also been observed in the North Fork area for the same time period.

Figure 17 shows water-level trends for wells in the area west of the Picayune Rancheria, including Sunset Ridge. Water-level measurements in most wells in this area commenced in January 2007 for this program. However, additional measurements for a number of wells in this area are available for 2004. These earlier measurements were done as part of the hydrogeologic evaluation of the Picayune Rancheria vicinity (KDSA, 2005). Water level hydrographs for these wells are provided in Appendix E. Water levels in several wells in this subarea rose following the February 2007 precipitation. Water levels in most wells in this area fell after March and through November, probably due to increased pumping.

Figure 18 shows water-level hydrographs for six wells in the

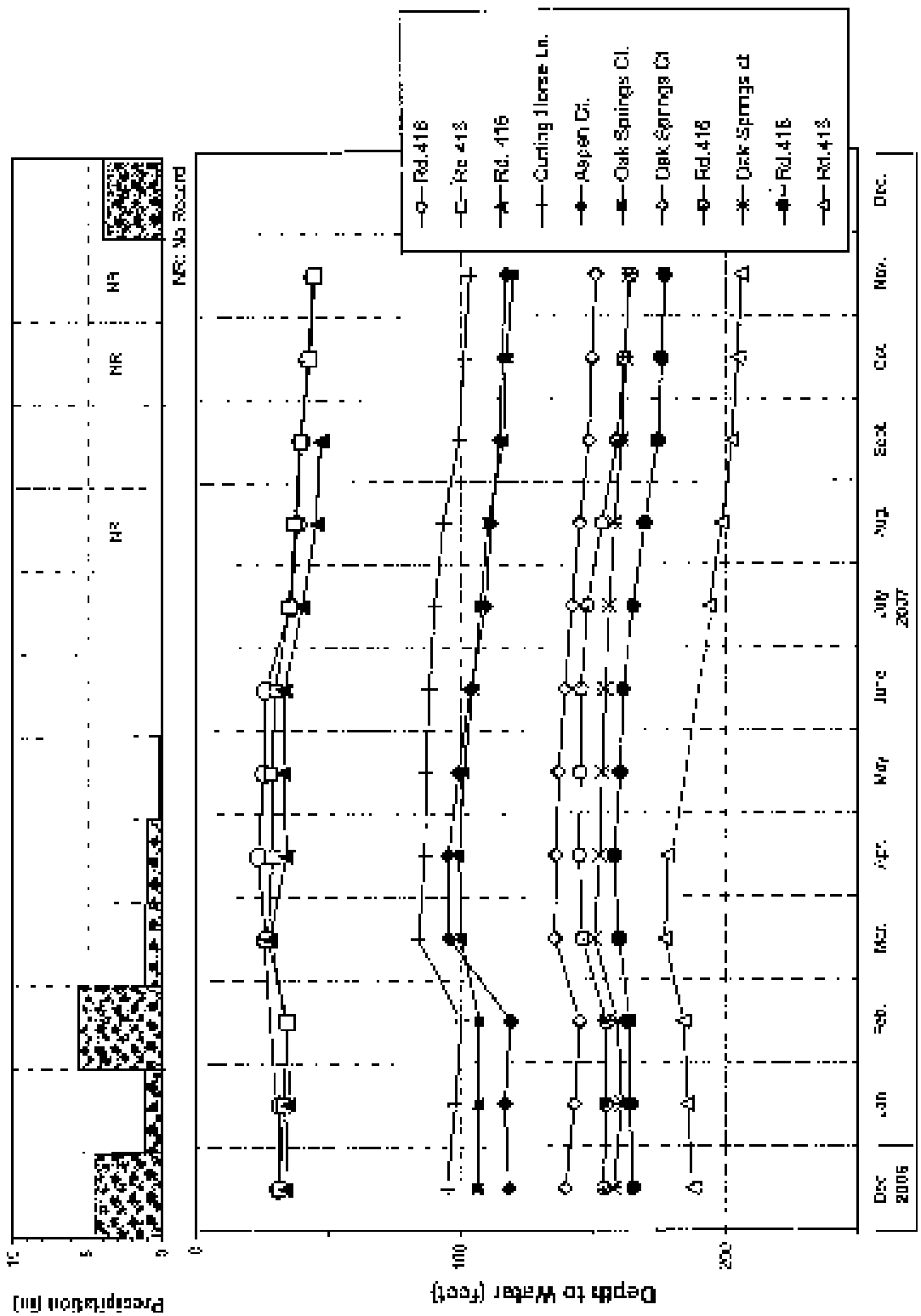


FIGURE 15 - WATER-LEVEL HYDROGRAPHS FOR WELLS IN THE ROAD 416 SUBAREA

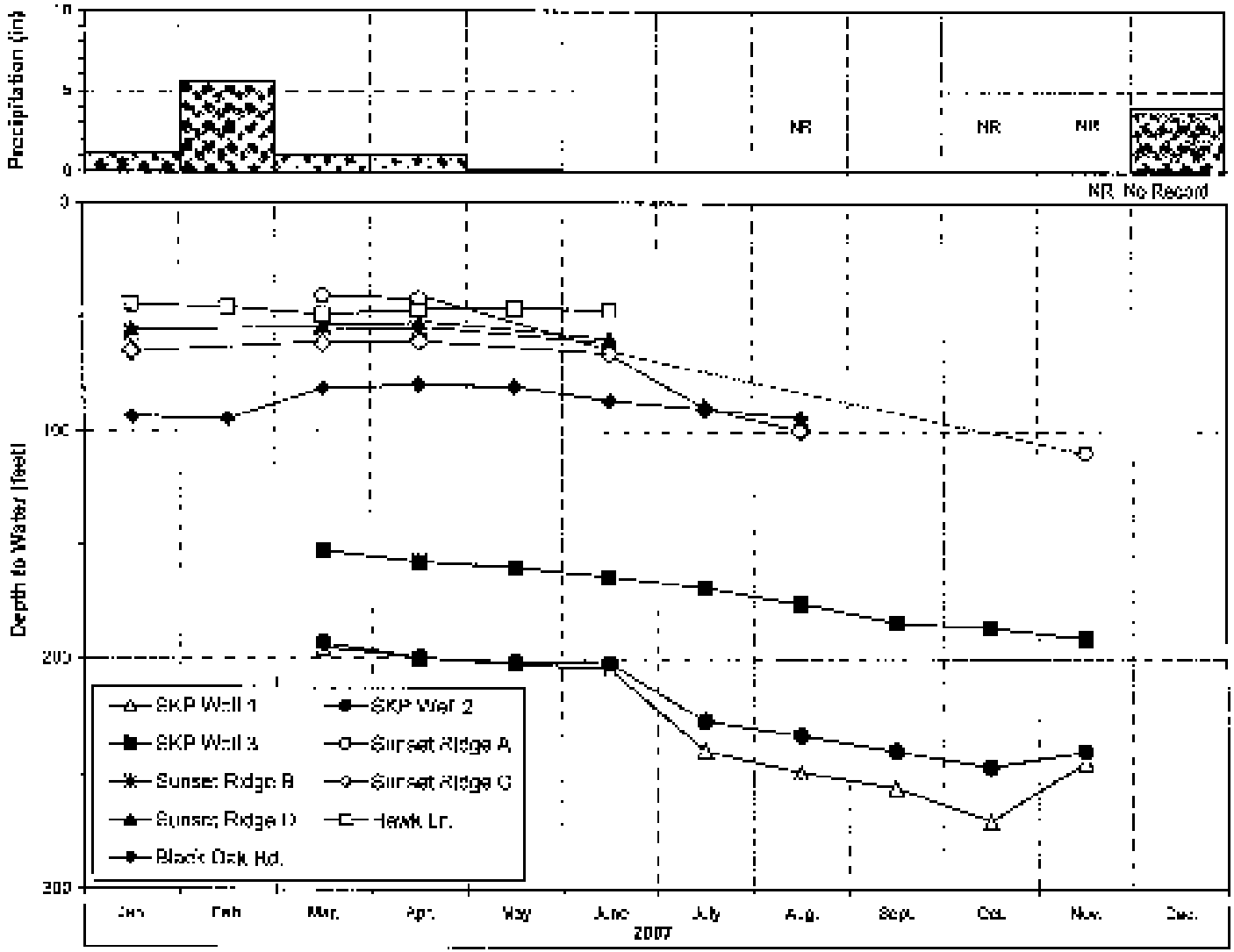


FIGURE 17 - WATER-LEVEL HYDROGRAPHS FOR WELLS WEST OF THE PICAYUNE RANCHERIA

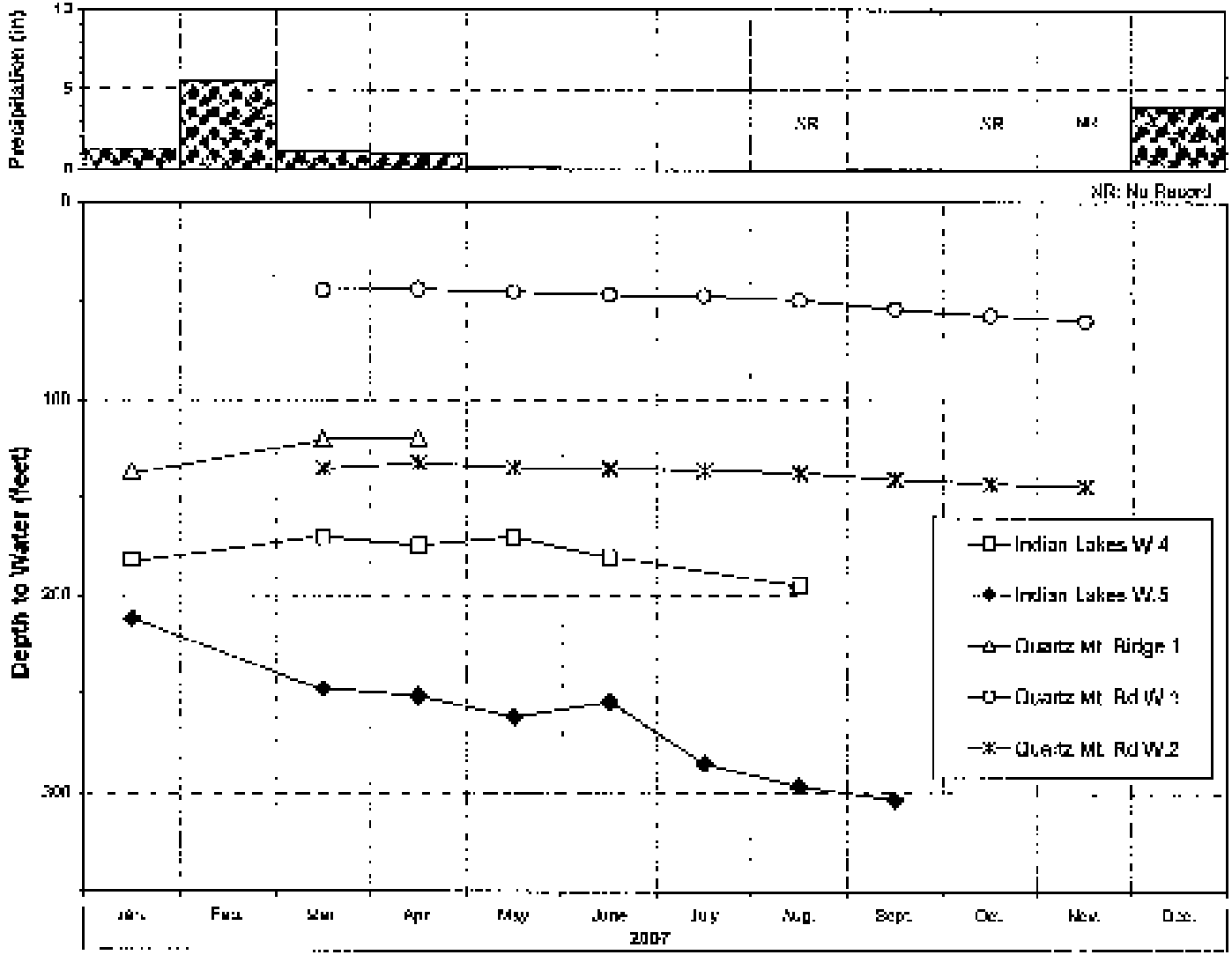


FIGURE 18 - WATER-LEVEL HYDROGRAPHS FOR WELLS IN THE INDIAN LAKES - QUARTZ MT. AREA

Indian Lakes and Quartz Mountain water systems. Measurements of these wells for this program began in January 2007. Water levels in at least two of these wells rose following the February 2007 precipitation. Water levels in these wells fell after April through November. Wells such as Indian Lakes No. 5 were influenced by increased summer pumping. Measurements for wells in this area are also available for 2004, due to the previous evaluation, and are provided in Appendix E.

Picayune Rancheria Area

Water-level hydrographs for selected wells for 2004-07 are provided in Appendix E. Water levels in most wells in 2007 were near or shallower than levels in 2004.

Figure 19 shows water-level hydrographs for the Casino wells, based on the transducer measurements for 2003-07. Because of their continuous nature, these are considered some of the most valuable water-level measurements for the Coarsegold area. One can compare seasonal high water levels (normally in spring) from year to year, and also the lows (normally in the late fall). For Well No 3, transducer measurements aren't available after Spring 2005. Records for Wells No. 1 and 2 are available for most of the period. For Well No. 1, seasonally shallow levels were progressively higher each spring. For Well No. 2, seasonal deepest water levels were deepest in Fall 2014 and shallowest in 2007.

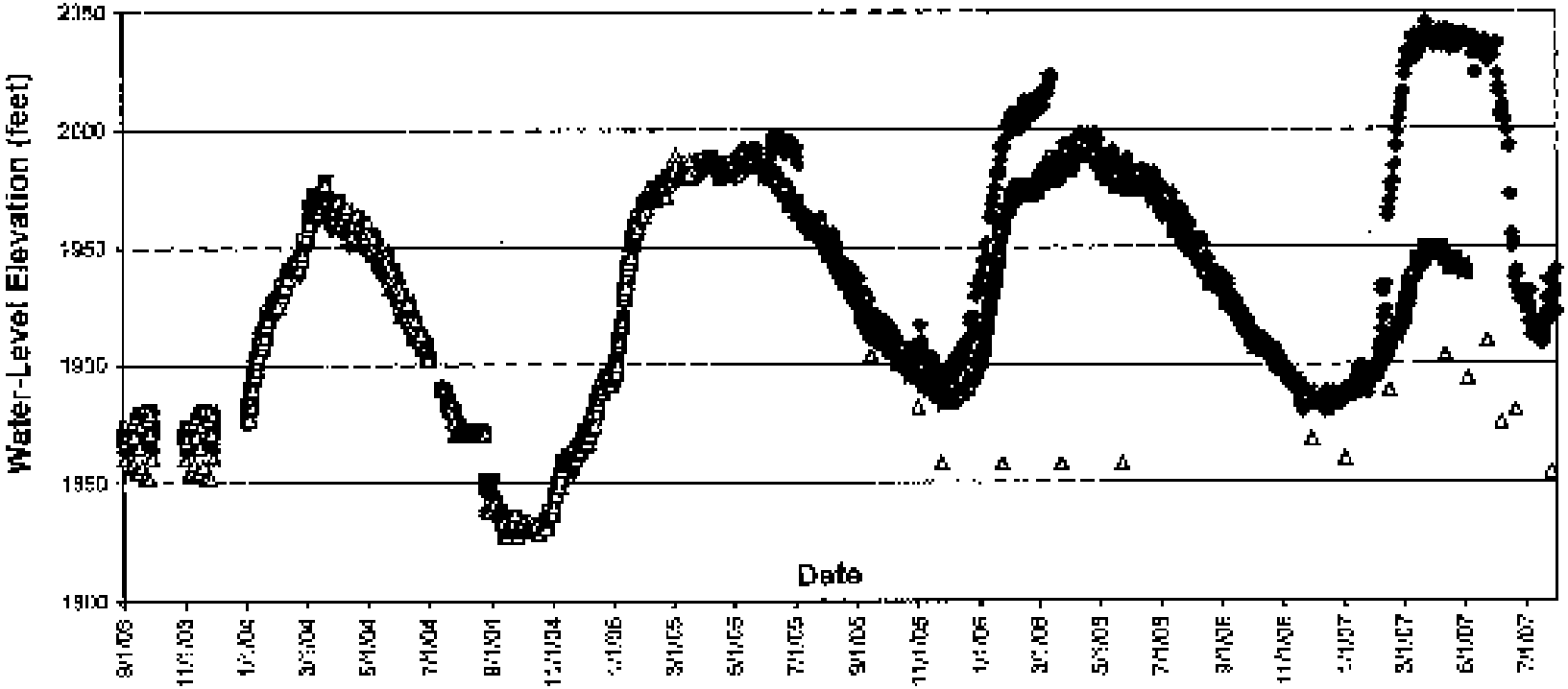


FIGURE 19 - WATER-LEVEL HYDROGRAPHS FOR PICAYUNE RANCHERIA WELLS

PUMPAGE

Large Water Systems

Pumpage is measured for large systems and values for 2006 are:

System	Pumpage (acre-feet)
Meadow Springs Ranch	24
Sunset Ridge	20
Coarsegold Highlands	9
Indian Lakes	270
Quartz Mountain	90
Casino	62
Yosemite Lakes	790

The total pumpage for these systems was thus 1,265 acre-feet in 2006. In addition, there was an estimated 110 acre-feet pumped in Yosemite Lakes for the golf course and lakes.

Small Water Systems

Pumpage for small systems in 2006 was estimated, based on a similar water use per lot as for large systems, as follows:

System	Pumpage (acre-feet)
The Village	13
Oak Creek MHP	50
Bluff Drive W.C.	4

The total pumpage for these systems was thus 67 acre-feet in 2006.

Individual Wells

As part of this evaluation, the number of developed lots in the Coarsegold area that aren't on water systems was estimated. Recent aerial photos were used, along with County records on developed lots. Following were the numbers of developed lots that were not on water systems in the five subareas, as of 2006.

Mudge Ranch Subarea	192
Coarsegold Subarea	201
Road 415-Trabuco Subarea	177
Road 415-Road 400	160
Road 416	130

There are five other areas of relatively dense development in the Coarsegold. Area A is northwest of the Road 415-Trabuco subarea. Area B is primarily between Sunset Ridge and Coarsegold, in the area between Highway 41 and Road 415. Area C is generally north of Yosemite Lakes along Road 400. Area D is generally west of Indian Lakes and Quartz Mountain. The number of developed lots that were not on water systems in these areas as of 2006 were:

Area A	112
Area B	183
Area C	69
Area D	43

Adding in about 130 lots in less developed areas (ten acre or smaller lots), the total number of developed lots not on water

systems as of 2006 was about 1,400. An average water use of 0.6 acre-feet per year is used for these lots, based on the average use in water systems in the Coarsegold area. The estimated water use for these undeveloped lots in 2006 was thus about 840 acre-feet. The total pumpage in the Coarsegold area is estimated to have been about 2,300 acre-feet in 2006.

AQUIFER TESTS

Picayune Rancheria

Kleinfelder, Inc. (2004) reported on the results of a four-day pump test conducted on Casino Well No. 2 during March 18-22, 2003. This test was done after a number of private domestic wells north of the Casino were reportedly dried up due to pumping of Casino Well No. 2 for construction. Well No. 2 is 382 feet deep and was pumped continuously at about 100 gpm for the test. Water levels in Tribal Well No. 4 (200 feet deep) and six private domestic wells were also measured during the test. Depths of the private domestic to the north wells that were measured ranged from about 160 to 250 feet.

Transmissivity is a parameter that can be used to estimate amounts of groundwater flow. Using the transmissivity and storage coefficient, one can predict the drawdowns in wells due to pumping of one or more other wells. Long-term drawdown measurements for the pump test on Well No. 2 indicated an aquifer transmissivity of

730 gpd per foot. Recovery measurements for the pumped well provided the best estimate of aquifer transmissivity, and these indicated a value of 1,550 gpd per foot. A storage coefficient of about 0.0001 was determined from measurements in one of the observation wells, indicative of confined conditions.

The largest drawdowns were observed in wells north or northwest of Well No. 2. These wells apparently tapped the same fracture zone as that tapped by Well No. 2. Drawdowns in six of the observation wells ranged from about 11 to 42 feet during the test. The greatest drawdown was in the Hayes Well (215 feet deep), which had a drawdown of only about 11 feet less than the pumped well itself. Except for this well, drawdowns in the private domestic wells during the test were less than 18 feet. Considering seasonal water-level fluctuations, there was essentially no drawdown in Tribal Well No. 4 during the test.

Meadow Springs Ranch

KDSA (2003) reported on the results of eleven-day pump tests that were conducted in September-October, 2002 for two wells at the Meadow Springs Ranch subdivision. Well No. 1 was drilled in March 1994 to a depth of 1,200 feet. Well No. 1 obtained most of its production from fractures between 900 and 1,090 feet in depth. Well No. 2 was drilled in April 1994 to a depth of 494 feet. Well No. 2 obtained most of its production from about 490 to 495 feet in

depth. Well No. 1 was pumped at an average rate of 64 gpm and Well No. 2 was pumped at the same time at about 270 gpm. The combined long-term yields of the two wells was estimated to be about 280 gpm. Recovery measurements for the tests indicated that the aquifer transmissivity ranged from 5,000 to 5,700 gpd per foot.

Yosemite Lakes Subdivision

Schmidt (1972) reported on a 14-day pump test that was conducted on Well 29A during March-April, 1970. Most of the Yosemite Lakes wells at that time ranged from about 150 to 400 feet deep. Well 29A was 159 feet deep. The average pumping rate was 133 gpm. An average transmissivity, based on measurements in six observation wells, was 2,300 gpd per foot and the average storage coefficient was 0.00003. In 1995, ten-day pump tests were conducted on Wells 29-A (which had been deepened to 207 feet), No. 44-A, No. 46-A, and No. 47-A. However, transmissivity wasn't determined for these tests.

GROUNDWATER QUALITY

In this section, the geographic distribution of several key constituents in the groundwater is first discussed. This is primarily based on Summer 2007 sampling of water from a number of individual wells, supplemented by recent analyses of water from water system wells. This is followed by a discussion of the quality of the water from water system wells. Appendix F contains

laboratory reports for analyses of water from wells in the Coarsegold area.

Geographic Distribution

Total Dissolved Solids

Water samples were collected from 20 individual wells in the areas outside of water systems in May 2005. Water from another 10 individual wells was sampled in later July 2007. Total dissolved solids concentrations in most of these wells ranged from about 180 to 310 mg/l. Water from one well on Road 415 had a TDS concentration of 600 mg/l, which appears to be unusual for the area.

Nitrate

Nitrate concentrations in water from wells sampled during 2007 were all less than 27 mg/l, below the maximum contamination level (MCL) of 45 mg/l. Except for four of these wells, nitrate concentrations were 6 mg/l or less, well below the MCL. Water from 12 of the individual sampled wells had nitrate concentrations less than 2 mg/l.

Iron and Manganese

High iron and manganese concentrations have been common in water from a number of wells in the Coarsegold area. Figure 20 shows the locations of two areas where iron concentrations exceeded the MCL of 0.5 mg/l in well water in recent years. The largest

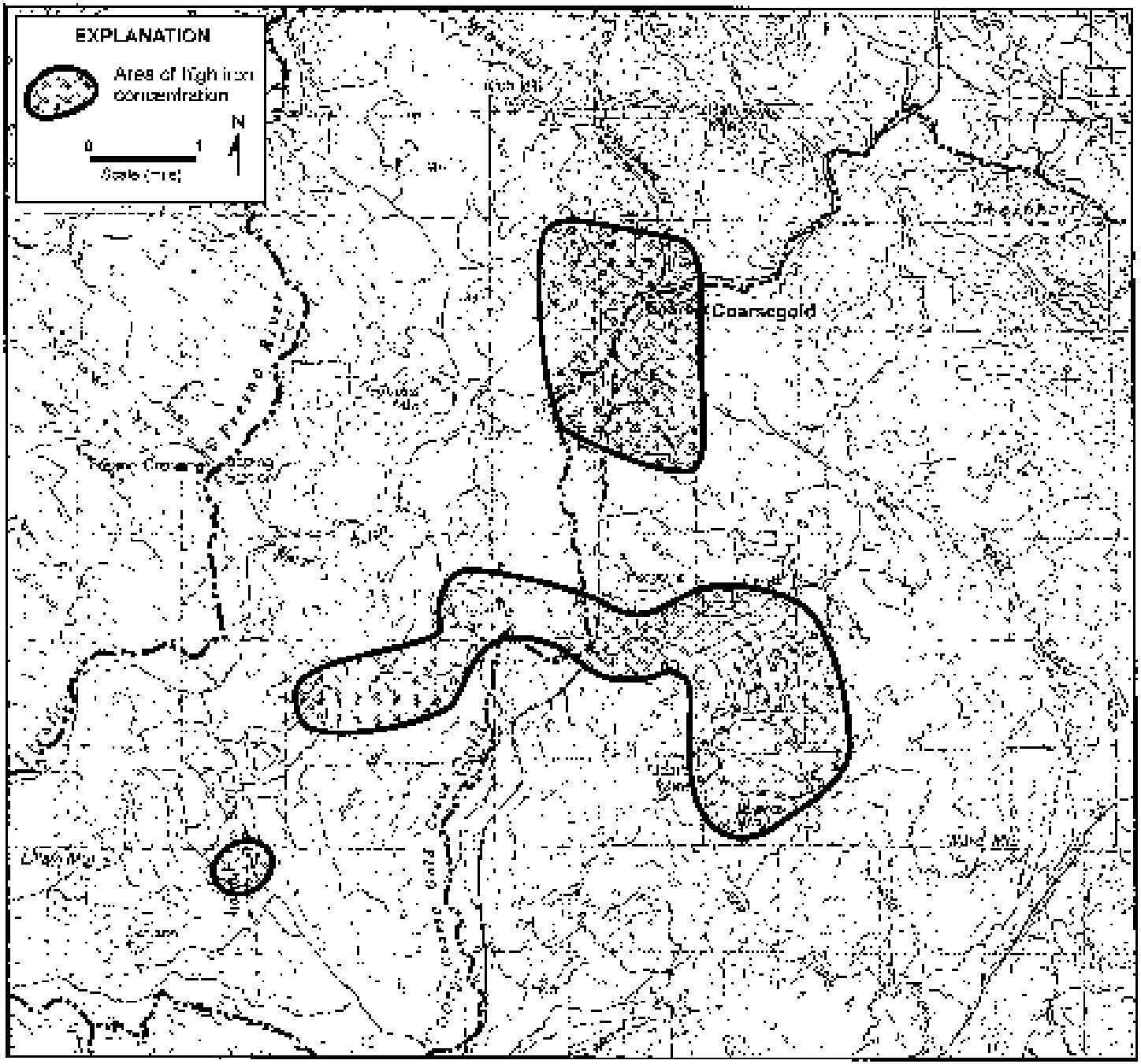


FIGURE 20 - LOCATIONS OF HIGH IRON CONCENTRATIONS IN WATER FROM WELLS IN THE COARSEGOLD AREA

area extended through Quartz Mountain, Indian Lakes, the Picayune Rancheria, and to the west, including the Sunset Ridge water system. The second area was in Coarsegold and Meadow Springs Ranch, where water from five wells had iron concentrations exceeding the MCL. Water from at least two wells in the Yosemite Lakes water system had iron concentrations exceeding the MCL.

Figure 21 shows areas where manganese concentrations in water from wells exceeded the recommended MCL of 0.05 mg/l. Four areas were present, including in or near the two areas where high iron concentrations were present. A fairly large area of high manganese concentrations was present in part of the Yosemite Lakes subdivision, and many wells produced water with manganese concentrations exceeding the MCL. Most of the wells with high manganese concentrations were in or east of Long Hollow. In addition, one well in the Mudge Ranch subarea had water with a manganese concentration exceeding the MCL.

Water in many public water system wells has been treated for removal of iron and/or manganese for many years.

Arsenic

Arsenic concentrations in the individual wells sampled were below the new MCL of 10 ppb, except for three wells. One of these (10 ppb) was in Mudge Ranch and the other two (14 to 17 ppb) were in the Road 416 area.

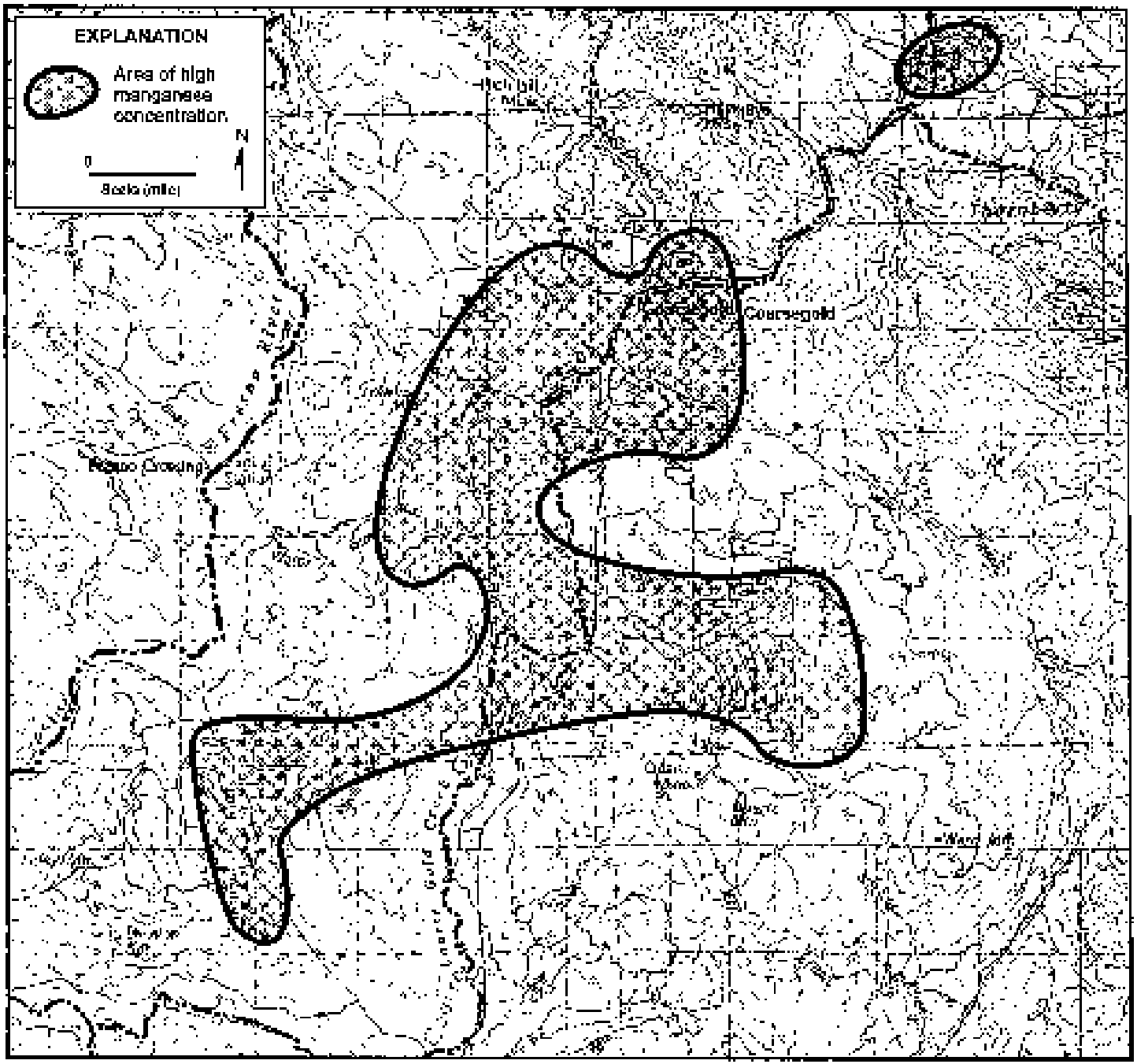


FIGURE 21 - LOCATIONS OF HIGH MANGANESE CONCENTRATIONS IN WATER FROM WELLS IN THE COARSEGOLD AREA

Uranium

Alpha activity is an indicator of uranium activity, and is a cheaper test to perform than is uranium. Water from four individual wells that were sampled in May 2007 and two Yosemite Lakes wells (37-A and 46-A) had alpha activities near or exceeding the MCL of 15 picocuries per liter. Figure 22 shows the general area where water from wells had alpha activities exceeding the MCL of 15 picocuries per liter. Three wells in the area north of the Yosemite Lakes subdivision, one well along Road 416, one well in the Picayune Rancheria area, and one well in Yosemite Lakes had alpha activities exceeding the MCL of 15 picocuries per liter in recent years.

Water System Wells

Picayune Rancheria

Kleinfelder, Inc. (2004) reported on the quality of water from Casino Wells No. 1, 2, and 3 as of 2003 (Table 8). TDS concentrations ranged from 181 to 210 mg/l and nitrate concentrations were 2 mg/l or less. Iron concentrations in water from Wells No. 1 and 2 ranged from 0.3 to 0.57 mg/l, compared to the recommended MCL for drinking water of 0.3 mg/l. Manganese concentrations in water from the three wells ranged from 0.05 mg/l to 0.18 mg/l, compared to the MCL for drinking water of 0.05 mg/l. The Tribe has found that iron bacteria have been forming in Well No. 3, causing partial plugging

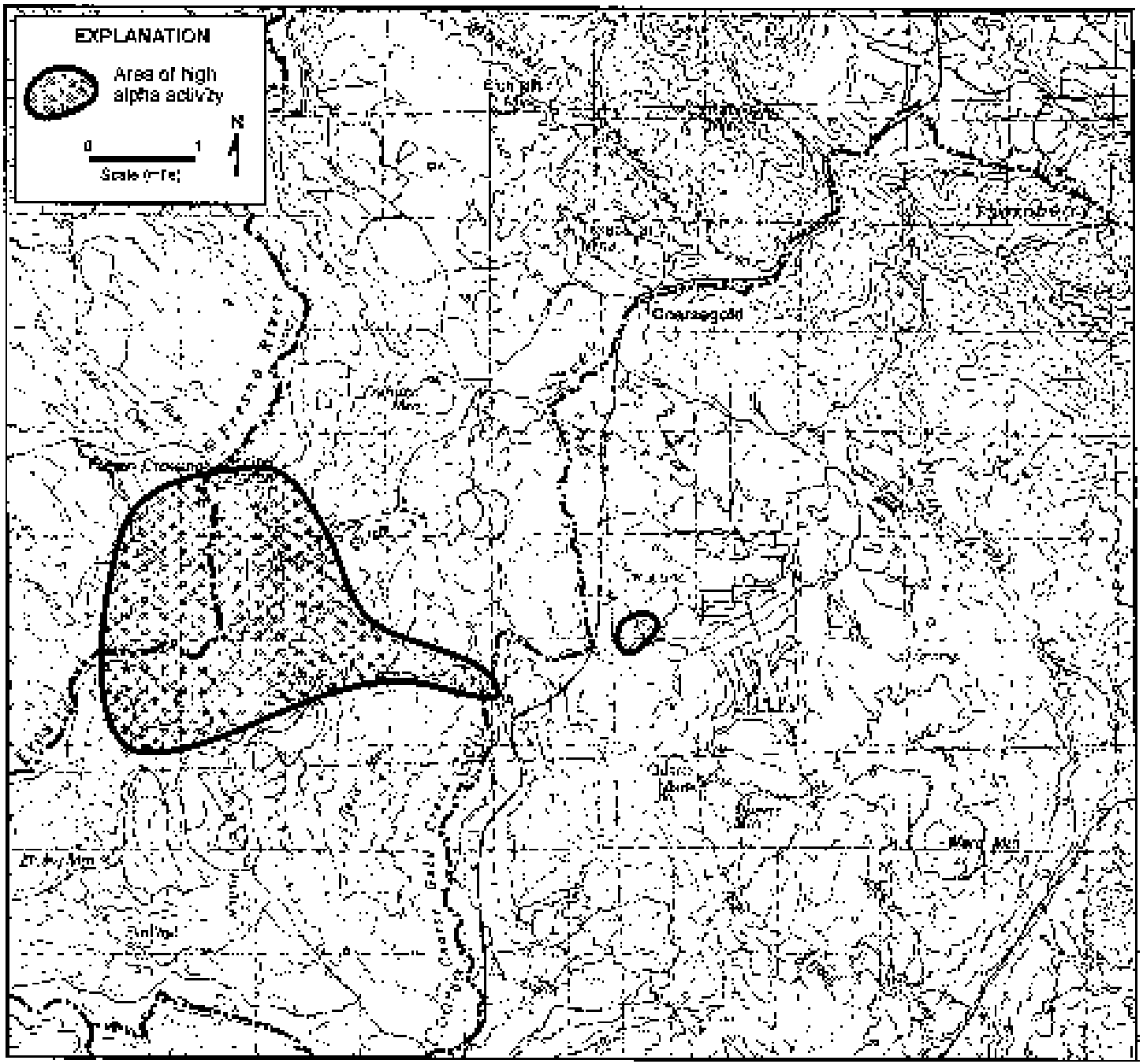


FIGURE 22 - LOCATION OF HIGH ALPHA ACTIVITIES IN WATER FROM WELLS IN THE COARSEGOLD AREA

TABLE 8-CHEMICAL ANALYSES OF WATER FROM CASINO WELLS

Constituent (mg/l)	No. 1	No. 2	No. 3	MCL
Calcium	30	37	36	
Magnesium	6	5	5	
Sodium	17	17	17	
Potassium	4	4	4	
Carbonate	<1	<1	<1	
Bicarbonate	120	136	130	
Sulfate	10	16	13	250
Chloride	6	8	7	250
Nitrate	2	<1	<1	45
pH	6.5	7.2	7.3	
Electrical Conductivity (micromhos/cm @ 25°C)	270	307	288	
Total Dissolved Solids (@ 180°C)	210	181	193	500
Iron	0.3	<0.1	0.57	0.3
Manganese	0.05	0.13	0.18	0.05
Arsenic	0.004	0.003	0.003	0.05
Alpha Activity (pc/l)	5.7	4.3	7.6	15
Date	5/30/03	3/20/03	4/7/03	

Analyses from Kleinfelder, Inc. (2004)

of the perforations and a reduction in well yield. Arsenic concentrations in water from these wells ranged from 0.003 to 0.004 mg/l and were well below the new MCL of 10 ppb. Alpha activities ranged from 4.3 to 7.6 picocuries per liter and were well below the MCL of 15 picocuries per liter. Iron and/or manganese concentrations exceeding the recommended MCLs are commonly found in groundwater in the Coarsegold-Yosemite Lakes area. Discolorization, a foul odor, and a bad taste was reported in water from Cardosa Well, north of the Casino. This is evidence for iron bacteria, which could result in plugging of the well and a reduced pumping rate.

Indian Lakes, Quartz Mountain, and Sunset Ridge

TDS concentrations in water from the Indian Lakes and Quartz Mountain wells ranged from 240 to 270 mg/l, and nitrate concentrations were less than 2 mg/l in 2002. Iron and manganese concentrations in the Indian Lakes wells (Table 9) and Quartz Mountain (Table 10) wells exceed the MCLs and the water is treated prior to use. Concentrations of arsenic and alpha activity have been low in water from these wells. The chemical quality of groundwater from the two new Indian Lakes wells is very similar to that from the existing wells. Manganese concentrations have also exceeded the MCL in water from the Sunset Ridge wells (Table 11).

Coarsegold Highlands

TDS concentrations in water from the Coarsegold Highlands

TABLE 9-CHEMICAL ANALYSES OF WATER FROM INDIAN LAKES WELLS

Constituent (mg/l)	No. 4	No. 5	No. 6	No. 7	MCL
Calcium	29	25	28		
Magnesium	11	9	9		
Sodium	27	20	21		
Potassium	13	8	8		
Carbonate	<2	<2	<2		
Bicarbonate	185	166	167		
Sulfate	30	29	32		250
Chloride	29	9	10		250
Nitrate	<2	<2	<2	<2	45
pH	7.4	7.2	7.2		
Electrical Conductivity (micromhos/cm @ 25°C)	350	310	310		
Total Dissolved Solids (@ 180°C)	250	240	270		500
Iron	0.70	0.70	0.80		0.3
Manganese	0.18	0.15	0.19		0.05
Arsenic	<0.002	<0.002	<0.002		0.05
Alpha Activity (pc/l)	9.7	4.0	4.4	3.5	15
Date	5/8/02	5/7/02	5/8/02	8/29/07	
Laboratory	Fresno Co.	Fresno Co.	Fresno Co.	Fresno Co.	

Alpha activities for the first three wells are for May 17, 2006.

TABLE 10-CHEMICAL ANALYSES OF WATER FROM QUARTZ MOUNTAIN WELLS

Constituent (mg/l)	No. 3	Pond No. 1	Pond No. 2	Ridge No. 1	Ridge No. 2	MCL
Calcium		35				
Magnesium		6				
Sodium		22				
Potassium		5				
Carbonate		<2				
Bicarbonate		191				
Sulfate		22				250
Chloride		8				250
Nitrate	<2	<2	<2	<2	<2	45
pH		7.0				
Electrical Conductivity (micromhos/cm @ 25°C)		310				
Total Dissolved Solids (@ 180°C)		260				500
Iron		0.53		7.20		0.3
Manganese		0.30				0.05
Arsenic		<0.002	<0.002			0.05
Alpha Activity (pc/l)	5.0	2.0	6.0		1.4	15
Date	8/29/06	4/18/02	8/29/06	6/25/03	3/22/02	
Laboratory	Fresno Co.	Fresno Co.	Fresno Co.	Fresno Co.	Fresno Co.	

Alpha activity for Pond No. 1 well is for August 27, 2006.

TABLE 11-CHEMICAL ANALYSES OF WATER FROM SUNSET RIDGE WELLS

Constituent (mg/l)	No. 1	No. 2	No. 3	MCL
Calcium	27			
Magnesium	6			
Sodium	21			
Potassium	3			
Carbonate	<2			
Bicarbonate	129			
Sulfate	8			250
Chloride	6			250
Nitrate	<2	<2	<2	45
pH	7.3			
Electrical Conductivity (micromhos/cm @ 25°C)	140			
Total Dissolved Solids (@ 180°C)	170			500
Iron	0.19			0.3
Manganese	0.29			0.05
Arsenic	0.002			0.05
Alpha Activity (pc/l)	1.0	1.8	0.8	15
Uranium (ppb)	<1.0	<1.0	<1.0	30
Date	4/24/02	8/29/06	5/24/06	
Laboratory	Madera Co.	Fresno Co.	Fresno Co.	

wells ranged from 220 to 230 mg/l and nitrate concentrations were less than 2 mg/l in January 2005. Nitrate and arsenic concentrations and alpha activities were well below the respective MCLs. Moderate iron concentrations and manganese concentrations exceeding the recommended MCL have been present in water from the Coarsegold Highlands wells (Table 12), and this water is treated prior to use. Arsenic concentrations and alpha activities in water from these wells have been well below the respective MCLs.

Meadow Springs Ranch

Table 13 contains the results of chemical analyses of water from two wells at the Meadow Springs Ranch system. Nitrate and arsenic concentrations and alpha activities were low, well below the respective MCLs. Iron and manganese concentrations exceeded the MCL, and water from the wells was being treated for iron and manganese removal.

Yosemite Springs Park Utility

Table 14 contains the results of analyses of water from the seven wells that provided much of the pumpage for the system in 2006. TDS concentrations ranged from 180 to 290 mg/l. Nitrate concentrations were less than 3 mg/l in water from all of these wells, well below the MCL of 45 mg/l. Iron concentrations in water from two of the wells (37-A and 45-A) exceeded the recommended MCL of 0.3 mg/l. Manganese concentrations in water from six of these

TABLE 12-CHEMICAL ANALYSES OF WATER FROM COARSEGOLD HIGHLANDS WELLS

Constituent (mg/l)	No. 1	No. 2	MCL
Calcium	20	21	
Magnesium	6	7	
Sodium	20	19	
Potassium	-	-	
Carbonate	<2	<2	
Bicarbonate	111	121	250
Sulfate	29	30	250
Chloride	23	<5	45
Nitrate	<2	<2	
pH	7.1	7.3	
Electrical Conductivity (micromhos/cm @ 25°C)	340	280	
Total Dissolved Solids (@ 180°C)	220	230	500
Iron	0.18	0.28	0.3
Manganese	0.19	0.11	0.05
Arsenic	<0.002	<0.002	0.05
Alpha Activity (pc/l)	3.0	5.0	15
Date	1/14/05	1/14/05	

TABLE 13-CHEMICAL ANALYSES OF WATER FROM MEADOW SPRINGS RANCH WELLS

Constituent (mg/l)	No. 1	No. 2	MCL
Calcium	37	38	
Magnesium	11	14	
Sodium	15	14	
Potassium	7	12	
Carbonate	<1	<1	
Bicarbonate	160	170	
Sulfate	18	2	
Chloride	5	5	
Nitrate	<2	<2	45
pH	7.1	6.9	
Electrical Conductivity (micromhos/cm @ 25°C)	320	350	
Total Dissolved Solids (@ 180°C)	200	230	
Iron	5.1	3.2	0.3
Manganese	0.17	0.22	0.05
Arsenic	<0.002	0.002	0.010
Alpha Activity (pc/l)	3.0	3.0	15

Nitrate concentrations and alpha activities are for August 29, 2006 and were analyzed by the Fresno County Health Department laboratory. The remaining analyses are for October 7, 2002 and were analyzed by The Twining Laboratories, Inc. of Fresno.

FIGURE 14-CHEMICAL ANALYSES OF WATER FROM
YOSEMITE SPRING PARK UTILITY WELLS

Constituents (mg/l)	1-A	36-A	37-A	40-A
Calcium	45	23	60	46
Magnesium	8	1	10	6
Sodium	30	42	32	29
Potassium	4	<2	7	3
Carbonate	<3	10	<3	<3
Bicarbonate	207	207	256	256
Sulfate	35	4	39	26
Chloride	13	14	21	14
Nitrate	<2	<2	2.9	<2
Fluoride	0.2	2.3	0.1	0.2
pH	8.0	8.3	6.7	7.9
Electrical Conductivity (micromhos/cm @ 25°C)	410	270	460	400
Total Dissolved Solids (@ 180°C)	290	190	290	260
Iron	<0.1	<0.1	0.75	<0.1
Manganese	0.09	<0.05	0.58	0.22
Arsenic	0.002	0.008	0.0084	0.004
Alpha Activity (pc/l)	5.9	8.2	14.7	3.1
Date	11/23/05	12/14/05	9/13/04	5/12/05

Continued:

FIGURE 14-CHEMICAL ANALYSES OF WATER FROM
YOSEMITE SPRING PARK UTILITY WELLS
(Continued:)

Constituents (mg/l)	42-A	45-A	47-A
Calcium	30	28	26
Magnesium	3	7	4
Sodium	25	22	26
Potassium	<2	3	
Carbonate	<3	<3	<3
Bicarbonate	159	159	183
Sulfate	9	19	7
Chloride	4	4	6
Nitrate	<2	<2	<2
Fluoride	0.4	0.3	0.4
pH	7.9	8.0	7.0
Electrical Conductivity (micromhos/cm @ 25°C)	280	250	280
Total Dissolved Solids (@ 180°C)	200	210	180
Iron	<0.1	1.20	<0.1
Manganese	0.14	0.21	0.067
Arsenic	<0.002	<0.002	<0.002
Alpha Activity (pc/l)	0.5	0.3	0.4
Date	12/27/05	12/14/05	3/12/03

wells exceeded the recommended MCL of 0.05 mg/l. Manganese treatment of well water has been practiced at Yosemite Lakes for decades. The pH ranged from 6.7 to 8.3 and was lowest in water from Well 37-A. Arsenic concentrations in water from all of these wells were less than the new MCL of 10 ppb. Alpha activities ranged from 0.3 to 14.7 picocuries per liter, less than the MCL of 15 picocuries per liter. Well No. 46-A was on standby, because the uranium concentration exceeded the MCL. Except for this well and Well 37-A, values were less than 9 picocuries per liter. Water from two wells (37-A and 40-A) had detectable MTBE concentrations and was being treated prior to use.

SUMMARY AND CONCLUSIONS

Precipitation on the watershed of Coarsegold Creek is the primary source of recharge to groundwater in the Coarsegold area. Average annual precipitation ranges from less than 16 inches near the confluence of Coarsegold Creek with the Fresno River to about 30 inches at Mudge Ranch. The majority of the precipitation is consumed by evapotranspiration of plants on the watershed, and the remainder runs off as streamflow. Groundwater generally flows toward Coarsegold Creek or the Fresno River. Evapotranspiration is estimated to range from about 14 inches per year near the southwest corner of the Coarsegold area to about 22 inches at Mudge Ranch. Some of the residual between precipitation and evapotranspiration

is available to recharge pumped groundwater.

Water systems are predominant in the south part of the Coarsegold area and individual wells are predominant in the central and northern parts of the area. Depths of some water system wells exceed 1,000 feet. A number of deep wells have been drilled by the Yosemite Spring Park Utility. Two deep wells have been drilled at Indian Lakes, one at the Chukchansi Casino, and one at the Al Miki Ranch. Substantial water production has been found at depths below 700 feet. Relatively large hardrock well yields have been demonstrated at Yosemite Lakes.

Water levels in areas where individual wells are used have relatively small seasonal changes and well interference problems are limited. In contrast, in some areas where large-capacity wells are used, there are seasonal water-level variations of more than 100 feet. In such areas, well interference can be a problem if large-capacity wells are sited too close to other wells. The lateral extent of the cones of depression associated with pumping of deep wells in the Coarsegold area has not been determined. This is important, because pumpage of deep wells could draw groundwater from beneath adjoining lands, and limit future pumping of deep groundwater beneath other lands.

The most limited groundwater available appears to be in the southwest part of the Coarsegold area, where the average annual precipitation is less than about 22 inches. Groundwater recharge

is less in this area because the residual between precipitation and streamflow is less.

Identified groundwater quality problems in parts of Coarsegold area include high iron, manganese, and uranium concentrations. These occurrences are all indicated to due to natural factors.

There is no known stream gaging in the Coarsegold Creek watershed. Streamflow records (particularly during low flow periods) at key locations would provide more understanding of the groundwater. Presently, there has been no need demonstrated for a surface water importation project to the Coarsegold area. Surface water importation to the area and use could be considered in the southwest part of the Coarsegold area, if new dense development is considered in the future. Blackhawk Reservoir has considerable storage space and could possibly be used in that regard.

RECOMMENDATIONS

The former streamgage on Picayune Creek above the confluence with Coarsegold Creek should be re-established. In addition, at least two gaging stations should be developed on Coarsegold Creek. One would be downstream of Blackhawk Reservoir and the other near Coarsegold. A routine water-level monitoring program for wells in the Coarsegold area should be continued, to supplement water-level records for water system wells. Hydrogeologic studies should be required for new subdivisions, as proposed in the Oakhurst Basin

hydrogeologic report (KDSA, 2005). For new individual wells, water samples should be collected for selected constituents, including alpha activity. Individual well owners should be made aware of areas with possible water quality problems. Further studies should be done on the cone of depression due to deep well pumping in systems such as Yosemite Lakes.

REFERENCES

Boyle Engineering Corporation, 1973, "Water System Analyses, Yosemite Lakes Park", prepared for Yosemite Spring Park Utility Co., 64p.

California Department of Water Resources, 1966, "Madera Area Investigation", Bulletin 135, Sacramento, California.

Kleinfelder, Inc., 2004, "Groundwater Resources Assessment Report, Chukchansi Gold Resort and Casino, Coarsegold, California", prepared for Chukchansi Casino, 30p.

Schmidt, K. D., 1972, "Groundwater Conditions in the Yosemite Lakes Area, Madera County, California", prepare for Yosemite Spring Park Utility, 22p.

Kenneth D. Schmidt and Associates, 2003, "Results of 2002 Pump Test at the Meadow Spring Project near Coarsegold, Madera County", prepared for Sierra Meadow Springs, LLC, 18p.

Kenneth D. Schmidt and Associates, 2005, "Groundwater Conditions in the Picayune Rancheria/Indian Lakes Area", prepared for Madera County Resources Management Agency, 36p.

James E. Slossen & Associates, 1970, "Hydrogeologic Report, Yosemite Lakes Project, Madera County, California", prepared for the Titan Group, Inc.

Strand, R. G., 1967, "Geologic Map of California, Mariposa Sheet", California Division of Mines and Geology.

Tevco, Inc., 1971, "Sanitary Engineering Investigation of Coarsegold Creek", report prepared for the Titan Group, Inc.

Todd Engineers, 2001, "Groundwater Conditions, Eastern Madera County", Draft Technical Memorandum, prepared for County of Madera, Engineering and General Services, 34p.

APPENDIX A

PRECIPITATION RECORDS

PRECIPITATION AT COARSEGOLD RANGER STATION

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1977	NR	NR	NR	NR	NR	NR	NR	0	0.06	0.06	5.09	9.77	NR
1978	9.01	9.71	8.5	5.55	0	0	0	0	1.82	0	4.37	2.47	41.15
1979	6.12	6.15	5.64	0.53	0.52	0	0.56	0	0	1.44	3.14	2.75	26.06
1980	10.05	0.77	4.61	1.9	0.99	0	0.11	0	0.05	0.41	0.65	1.32	28.77
1981	7.01	2.12	5.08	1.3	0.56	0	0	0	0	1.65	5.05	4.04	26.81
1982	12.59	4.3	12.29	4.88	0.1	1.04	0	0.1	2.47	5.44	13.75	8.15	61.89
1983	6.06	7.7	10.67	4.04	0.68	0.02	0	0.11	0.56	1.12	7.95	6.49	45.4
1984	0.45	2.70	2.23	0.89	0.05	0.02	0.14	0.09	0	1.55	5.82	2.37	16.9
1985	0.67	2.78	3.05	0.7	0	0.22	0	0.05	0.53	1.04	6.6	1.44	19.38
1986	2.51	11.85	7.46	0.94	0.41	0	0	0	1.26	0.02	0.1	0.8	25.15
1987	3.06	3.94	4.94	0.96	0.59	0.07	0	0	0	2.45	1.22	3.75	19.46
1988	0.65	0.59	2.23	4.27	0.84	0.1	0	0	0	0	0.62	4.81	20.14
1989	1.02	2.06	4.24	0.65	0.77	0.07	0	0.01	1.54	1.55	1.43	0	13.44
1990	3.56	3.63	1.78	1.56	3.69	0	0	0	0.14	0	1.02	1.39	16.96
1991	0.98	1.74	16.19	0.05	0.98	0.06	0	0	0.02	3.3	0.85	2.35	26.42
1992	2	6.81	4.06	0.07	0.02	0.16	0.19	0	0	2.56	0.01	0.03	22.91
1993	13.6	8.15	4.14	0.37	0.59	1.79	0	0	0	0.48	1.68	2.82	33.62
1994	2.49	5.86	0.47	3.19	2.41	0	0	0	0.14	3.08	4.06	2.78	23.48
1995	14.61	1.5	14.15	3.58	2.78	0.93	0.04	0	0	0	0.08	6.71	44.38
1996	4.61	7.99	3.94	2.77	1.32	0.05	NR	0.25	NA	3.30	8.86	12.78	NR
1997	11.62	0.17	0.04	0.04	0	0.29	0	0	0.39	3.12	3.01	2.44	17.82
1998	9.64	9.96	4.97	3.64	3.68	0.4	0.02	0	0.16	0.38	1.69	1.36	39.89
1999	5.8	5.15	1.82	3.1	0.28	0	0	0	0	0.34	2.04	0	17.69
2000	7.43	14.19	2.19	0.6	0.59	0.75	0	0	0.65	3.14	0.37	0.89	30.8
2001	8.76	7.60	3.9	2.05	0	0	0.49	0	0.04	0.86	4.65	0.65	33.00
2002	1.92	1.65	4.16	0.91	1.19	0	0	NA	NA	0	4.7	6.98	NR
2003	-	3.41	1.02	3.14	2.19	0	0	NA	0	0.36	1.03	7.32	NR
2004	2.53	5.65	1.12	0.25	0.31	0	0	0	0.15	3.5	2.3	6.76	22.95
2005	7.42	4.00	5.72	1.39	4.3	0	0	0.11	0.22	0.1	0.42	6.95	31.51
2006	5.92	2.02	7.69	7.45	NA	NA	NA	NA	NR	0.54	0.91	4.36	NR
2007	1.2	5.61	1.11	1.04	NA	0	0	NR	0.05	NR	NR	3.38	NR

NR : No Record

Records from National Climatic Data Center.

APPENDIX B

STREAMFLOW RECORDS

PICAYUNE CREEK STREAMFLOW NEAR COARSEGOLD, CA

(Station ID: USGS 11257700)

Monthly Average Flow (cfs)

YEAR	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1964	-	-	-	-	-	-	-	-	-	0.00	0.09	5.90
1965	11.70	4.71	4.81	22.40	3.51	0.85	0.02	0.00	0.00	0.00	0.26	1.57
1966	2.36	3.48	1.93	1.25	0.27	0.00	0.00	0.00	0.00	0.00	0.00	2.96
1967	4.87	3.86	13.30	50.30	9.35	2.52	0.08	0.00	0.00	0.00	0.00	0.00
1968	0.13	0.61	1.02	0.46	0.10	0.00	0.00	0.00	0.00	-	-	-
Mean of monthly discharge	4.80	3.20	5.30	19.00	3.30	0.84	0.02	0.00	0.00	0.00	0.09	2.60

Source: U. S. Geological Survey

APPENDIX C

SUMMARY OF WELL CONSTRUCTION AND AIRTEST YIELDS FOR INDIVIDUAL WELLS IN COARSEGOLD AREA

SUMMARY OF WELL CONSTRUCTION AND AIRTEST YIELDS
FOR INDIVIDUAL WELLS IN MUDGE RANCH SUBAREA

Well Completion Report No.	Date Drilled (mo./yr.)	Total Depth (feet)	Cased Depth (feet)	Airtest Yield (gpm)	Notes
70723	Oct-80	700	60	4	
82088	Feb-81	725	45	30	
82418	Oct-80	420	-	7	deepened
90476	Apr-83	300	-	4	
95589	May-81	303	34	1	
129172	Nov-78	350	40	4	
153811	Jun-85	303	120	5	
154007	Jul-85	375	25	50	
154015	Aug-85	675	50	30	
154039	Oct-85	700	-	3	deepened
164550	Nov-86	300	30	15	
191452	Apr-86	200	53	150	
220596	Feb-85	300	-	50	deepened
226645	Sep-82	600	90	33	
226646	Sep-82	600	-	-	deepened
226648	Oct-82	450	50	12	
248604	Jul-83	200	41	9	
248614	Aug-83	400	20	15	
251512	Aug-87	420	30	7	
251516	Aug-87	520	62	8	
251587	Jun-87	350	53	60	
258711	Oct-87	252	43	11	
258735	Apr-88	402	-	12	deepened
258743	May-88	302	50	5	
259007	Aug-87	400	-	30	deepened
275887	Jul-88	600	63	60	
275948	Jul-03	600	78	4	
275949	Dec-88	602	54	4	
276239	May-88	1,000	60	8	
284598	Sep-88	370	20	2	
286536	-	501	20	10	
289553	Sep-88	545	-	100	deepened
306734	Mar-88	380	54	150	
306750	Apr-88	460	20	150	

Continued:

SUMMARY OF WELL CONSTRUCTION AND AIRTEST YIELDS
FOR INDIVIDUAL WELLS IN MUDGE RANCH SUBAREA
(Continued:)

Well Completion Report No.	Date Drilled (mo./yr.)	Total Depth (feet)	Cased Depth (feet)	Airtest Yield (gpm)	Notes
315154	Sep-89	1,250	260	4	
315188	Aug-89	494	40	100	
320950	Apr-89	380	50	225	
326523	May-90	302	54	70	
330825	Mar-90	440	80	20	
343379	Jun-90	250	60	9	
359427	Jun-91	600	60	31	
359448	May-91	300	59	100	
360451	Aug-90	450	60	16	
360462	Sep-90	525	-	50	deepened
360833	Jul-90	400	60	150	
396968	Apr-92	360	40	5	
480615	Oct-91	600	100	2	
480636	Aug-91	500	-	75	deepened
481935	Jul-91	350	60	17	
490135	Jun-92	715	35	75	
490526	Nov-91	625	50	14	
490529	Oct-91	450	70	50	
498468	Mar-93	600	69	20	
507906	Jun-96	800	50	5	
508125	Mar-97	580	97	33	
508126	Mar-97	400	76	10	
515251	Aug-97	400	117	35	
542831	Jul-95	400	27	1	
542841	Jul-95	260	57	38	
542849	Sep-95	480	25	100	
542850	Sep-95	530	73	100	
542969	May-95	275	65	7	
549012	Oct-94	300	60	7	
549021	Dec-94	600	-	60	deepened
550295	Jan-96	250	42	50	
550298	Mar-96	825	48	8	
567152	Apr-94	475	60	75	

Continued:

SUMMARY OF WELL CONSTRUCTION AND AIRTEST YIELDS
FOR INDIVIDUAL WELLS IN MUDGE RANCH SUBAREA
(Continued:)

Well Completion Report No.	Date Drilled (mo./yr.)	Total Depth (feet)	Cased Depth (feet)	Airtest Yield (gpm)	Notes
568842	Mar-95	650	30	12	
578831	Dec-93	175	97	75	
788553	Oct-07	400	-	40	deepened
817664	Jul-03	500	96	15	
900783	Aug-03	900	-	12	deepened

SUMMARY OF WELL CONSTRUCTION AND AIRTEST YIELDS
FOR INDIVIDUAL WELLS IN COARSEGOLD SUBAREA

Well Completion Report No.	Date Drilled (mo./yr.)	Total Depth (feet)	Cased Depth (feet)	Airtest Yield (gpm)	Notes
27951	Oct-77	450	20	7	
53869	Feb-80	225	30	4	
53870	Mar-80	200	40	4	
70727	Aug-80	200	140	25	
71479	Jul-80	325	60	30	
82194	Jul-81	300	42	80	
86486	Apr-72	402	22	4	
130604	Apr-78	175	20	10	
130607	Jun-78	125	20	60	
130627	Nov-78	170	20	1	
130628	Nov-78	200	20	8	
130632	Dec-78	150	39	15	
142236	Oct-79	303	20	35	
142717	Sep-78	270	65	12	
153520	Nov-84	275	20	24	
153810	Jun-85	378	20	0	
153831	Oct-85	230	100	100	
153905	Jul-85	300	50	20	
191398	Jul-86	185	20	200	
219117	Jun-84	85	40	-	
219118	Jun-84	125	20	-	
219612	Aug-84	400	20	5	
220037	Jul-84	250	49	25	
220360	Jul-84	275	20	6	
220364	Jul-84	800	-	2	deepened
247591	Sep-83	603	26	1	
247859	Aug-83	550	28	15	
248310	Mar-84	302	34	4	
248338	Nov-84	302	51	20	
248610	Aug-83	250	38	16	
251056	Jun-87	500	20	3	
251090	Jul-87	615	30	60	
251100	Aug-87	450	-	1	deepened
275944	Nov-88	385	58	50	

Continued:

SUMMARY OF WELL CONSTRUCTION AND AIRTEST YIELDS FOR INDIVIDUAL WELLS IN COARSEGOLD SUBAREA

(Continued:)

Well Completion Report No.	Date Drilled (mo./yr.)	Total Depth (feet)	Cased Depth (feet)	Airtest Yield (gpm)	Notes
275959	Apr-89	300	20	60	
284572	Aug-88	317	23	200	
284597	Sep-88	405	21	2	
286516	-	355	20	75	
286542	-	355	34	5	
286543	-	330	20	9	
286547	-	280	30	3	
289745	Feb-89	33	12.5	-	
289747	Feb-89	149	40	150	
335091	Jul-90	1,070	57	75	
335093	Jul-90	940	50	6	
343207	Jun-90	525	34	7	
343224	Aug-90	250	45	30	
343242	Oct-90	275	40	30	
359424	Dec-90	800	60	25	
360410	-	605	50	80	
360415	-	480	20	30	
360416	-	205	54	40	
360445	-	530	30	10	
373614	Mar-91	300	50	67	
373641	Dec-90	400	-	2	deepened
457737	Jun-93	248	120	35	
480674	-	355	50	55	
490108	Dec-91	650	95	80	
490147	Sep-92	302	85	75	
507738	Oct-96	205	30	75	
507745	Oct-96	150	-	25	deepened
515732	Sep-98	325	20	25	
542911	May-95	980	50	4	
549038	Nov-94	275	51	20	
567163	May-94	825	20	20	
567167	May-94	375	30	75	
567168	May-94	250	20	10	

Continued:

SUMMARY OF WELL CONSTRUCTION AND AIRTEST YIELDS
FOR INDIVIDUAL WELLS IN COARSEGOLD SUBAREA
(Continued:)

Well Completion Report No.	Date Drilled (mo./yr.)	Total Depth (feet)	Cased Depth (feet)	Airtest Yield (gpm)	Notes
567190	Jun-94	400	60	3	
578823	Mar-94	525	57	150	
578839	Nov-93	600	52	4	
703009	Jan-99	900	-	1	deepened
706565	Aug-00	280	25	20	
715590	Dec-99	455	-	40	deepened
717343	Jul-00	850	-	25	deepened
718158	Jul-99	400	-	5	deepened
723472	May-00	850	60	200	
723479	Jul-00	525	-	7	deepened
743718	Aug-03	550	40	80	
783022	Apr-01	750	22	30	
783324	Feb-01	500	130	1	
794105	May-02	405	-	45	deepened
794145	Oct-02	500	55	12	
800872	Feb-02	800	25	3	
817549	Mar-03	490	51	230	
900242	Aug-07	405	-	9	deepened
915563	Jul-04	1,400	-	1	deepened

SUMMARY OF WELL CONSTRUCTION AND AIRTEST YIELDS FOR INDIVIDUAL WELLS IN ROAD 415 - TRABUCO ROAD SUBAREA

Well Completion Report No.	Date Drilled (mo./yr.)	Total Depth (feet)	Cased Depth (feet)	Airtest Yield (gpm)	Notes
25556	May-77	156	20	15	
27947	Oct-77	375	20	8	
53865	Oct-79	400	30	4	
54637	Oct-79	1,050	50	2	
54671	Oct-79	400	20	5	
77222	Jun-81	540	128	2	
90471	Jan-83	200	40	150	
97436	May-79	900	27	1	
142228	Sep-78	400	60	6	
142230	May-79	327	100	6	
142902	Oct-78	270	70	12	
142916	Nov-78	145	46	30	
144130	Jul-78	599	76	1	
144137	Jul-78	324	100	12	
144172	May-78	519	30	20	
153814	Jul-85	278	78	50	
153911	Jul-85	475	55	15	
154030	Sep-85	650	20	3	
174013	Apr-85	174	22	24	
174417	Sep-85	350	94	10	
190621	Aug-86	400	20	4	
191464	Mar-87	205	60	150	
191482	Jun-87	402	80	8	
191484	Jul-87	505	40	2	
191485	Jul-87	427	21	1	
219000	Jul-84	275	-	30	deepened
220351	Jul-84	375	20	12	
220353	Jul-84	350	20	12	
220387	Aug-84	350	90	0	
220389	Aug-84	500	-	2	deepened
220569	Nov-84	450	40	8	
247211	Aug-82	600	20	1	
247218	Sep-82	225	40	24	
247229	Jan-83	275	22	1	

Continued:

SUMMARY OF WELL CONSTRUCTION AND AIRTEST YIELDS FOR INDIVIDUAL WELLS IN ROAD 415 - TRABUCO ROAD SUBAREA
(Continued:)

Well Completion Report No.	Date Drilled (mo./yr.)	Total Depth (feet)	Cased Depth (feet)	Airtest Yield (gpm)	Notes
247236	Apr-83	125	25	14	
247571	Jun-83	253	75	100	
248302	Jan-84	575	20	40	
251071	Jul-87	275	-	15	deepened
251569	May-87	225	56	11	
258724	Dec-87	455	34	15	
258725	Dec-87	802	20	0	
275913	Jul-88	450	32	9	
276453	Apr-88	450	20	15	
276454	Apr-88	425	60	100	
276481	May-88	225	-	75	deepened
286522	-	506	21	22	
286529	-	180	30	4	
286544	-	355	20	5	
286546	-	455	20	4	
289551	Sep-88	430	-	30	deepened
289554	Sep-88	100	20	40	
289561	Oct-88	200	20	10	
289562	Oct-88	350	60	3	
289591	Nov-88	300	-	8	deepened
326549	Feb-90	725	20	15	
343231	Sep-90	1,000	120	5	
343383	Jun-90	765	75	70	
359408	Mar-91	200	30	10	
359435	May-91	250	40	5	
359446	Jul-91	423	37	18	
360411	-	305	20	5	
360417	-	430	20	15	
360418	-	250	20	4	
360419	-	555	20	12	
360449	-	430	20	28	
360450	-	405	20	8	
360811	Apr-90	780	20	10	

Continued:

SUMMARY OF WELL CONSTRUCTION AND AIRTEST YIELDS FOR INDIVIDUAL WELLS IN ROAD 415 - TRABUCO ROAD SUBAREA
(Continued:)

Well Completion Report No.	Date Drilled (mo./yr.)	Total Depth (feet)	Cased Depth (feet)	Airtest Yield (gpm)	Notes
360841	Mar-90	500	40	1	
360842	May-90	900	-	10	deepened
403678	Aug-92	420	20	60	
415593	Sep-94	450	60	15	
457703	May-93	900	30	56	
457705	May-93	940	25	8	
457771	Jun-93	600	20	60	
457773	Jun-93	450	60	2	
457792	Aug-93	350	45	60	
457794	Aug-93	600	40	2	
480627	Aug-91	750	-	40	deepened
480682	-	220	20	5	
489836	May-92	1,000	30	2	
498670	Feb-93	320	40	15	
515260	Oct-97	550	-	6	deepened
549009	Oct-94	700	-	2	deepened
549011	Oct-94	675	60	100	
549013	Oct-94	350	40	35	
568840	Feb-95	375	-	8	deepened
569226	Oct-93	800	-	1	deepened
578809	May-94	550	54	38	
579120	Mar-94	300	35	2	
717351	Sep-00	400	20	40	
717352	Aug-00	750	-	3	deepened
718161	Jul-99	500	-	2	deepened
785569	Dec-01	1,002	27	1	
785782	Aug-01	550	-	20	deepened
817637	Dec-02	800	52	35	
817654	Apr-03	250	22	100	
900230	Aug-04	400	25	25	
900240	Aug-04	705	-	5	deepened

SUMMARY OF WELL CONSTRUCTION AND AIRTEST YIELDS FOR INDIVIDUAL WELLS IN ROAD 400 - ROAD 415 SUBAREA

Well Completion Report No.	Date Drilled (mo./yr.)	Total Depth (feet)	Cased Depth (feet)	Airtest Yield (gpm)	Notes
27995	Dec-77	175	40	7	
71477	Jul-80	200	40	20	
71478	Jul-80	160	25	10	
90467	Dec-82	500	50	8	
90472	Jan-83	200	20	7	
90503	Jun-83	250	60	10	
97497	Jun-79	200	20	7	
129178	Mar-79	300	20	8	
130613	Jul-78	150	20	20	
142225	Aug-79	450	29	6	
153836	Nov-85	300	30	5	
153959	Apr-85	75	35	20	
154013	May-85	500	-	1	deepened
154560	Mar-85	200	48	[illegible]	
154567	Apr-85	440	-	27	deepened
154574	Apr-85	405	53	20	
219972	May-84	380	22	45	
219397	Aug-84	533	53	1	
219398	Sep-84	215	45	3	
219818	May-84	1,000	58	30	
227827	Dec-81	275	32	7	
247208	Jul-82	200	49	4	
247239	May-00	125	20	9	
247592	Oct-83	550	20	7	
247874	Nov-83	400	51	3	
247890	Mar-84	500	25	[illegible]3	
248336	Oct-84	350	18	5	
248609	Aug-83	350	50	3	
248625	Sep-83	620	50	200	
251576	Jun-87	650	20	15	
275971	May-89	377	29	30	
283773	Aug-88	440	20	6	
306712	Dec-87	480	20	[illegible]00	
320972	May-89	100	27	15	

Continued:

SUMMARY OF WELL CONSTRUCTION AND AIRTEST YIELDS FOR INDIVIDUAL WELLS IN ROAD 400 - ROAD 415 SUBAREA
(Continued:)

Well Completion Report No.	Date Drilled (mo./yr.)	Total Depth (feet)	Cased Depth (feet)	Airtest Yield (gpm)	Notes
320985	Sep-90	800	20	100	
320987	Sep-90	700	40	18	
326508	Mar-90	302	20	5	
326516	Apr-90	390	22	100	
330949	Feb-90	240	60	30	
331932	Apr-90	650	60	6	
334737	Oct-89	300	-	4	deepened
335097	Jan-90	350	35	12	
343209	Jun-90	900	129	50	
343222	Aug-90	475	55	60	
343384	Jun-90	200	20	10	
359423	Dec-90	450	80	18	
359986	Feb-91	420	20	20	
359987	Jan-91	560	40	13	
360441	-	299	20	110	
360458	Aug-90	700	40	7	
360802	Feb-90	800	60	11	
360806	Jan-90	360	20	80	
383929	Jul-91	300	22	38	
415528	Jul-94	300	90	5	
457752	Jun-93	500	60	60	
457769	Jul-93	800	21	1	
457790	Aug-93	450	55	30	
458272	May-93	300	80	2	
468778	Feb-96	540	22	9	
468888	Apr-96	400	40	30	
480654	-	480	20	18	
481922	May-91	500	-	100	deepened
498455	Nov-92	950	39	20	
498661	Dec-92	600	25	19	
508141	Jun-97	200	20	25	
508144	Jul-97	380	20	3	
542836	Jul-95	220	67	17	

Continued:

SUMMARY OF WELL CONSTRUCTION AND AIRTEST YIELDS FOR INDIVIDUAL WELLS IN ROAD 400 - ROAD 415 SUBAREA
(Continued:)

Well Completion Report No.	Date Drilled (mo./yr.)	Total Depth (feet)	Cased Depth (feet)	Airtest Yield (gpm)	Notes
542960	Apr-95	400	20	100	
542961	Apr-95	350	30	8	
542962	Apr-95	750	26	50	
542978	Jun-95	450	25	25	
568801	Jul-94	502	31	70	
568803	Aug-94	552	27	175	
568825	Nov-94	979	-	18	deepened
569249	Aug-93	475	40	14	
569366	Sep-93	600	30	18	
569367	Sep-93	140	140	60	
578818	Jul-94	703	20	4	
579136	Nov-93	450	40	30	
705026	Jun-99	375	-	60	deepened
717394	Jul-01	500	-	20	deepened
785572	Nov-01	475	27	40	
788563	Nov-02	765	20	100	
800851	Aug-02	650	67	20	
817648	Mar-03	625	40	27	
817652	Apr-03	300	52	13	

SUMMARY OF WELL CONSTRUCTION AND AIRTEST YIELDS
FOR INDIVIDUAL WELLS IN ROAD 416 SUBAREA

Well Completion Report No.	Date Drilled (mo./yr.)	Total Depth (feet)	Cased Depth (feet)	Airtest Yield (gpm)
70236	Apr-80	190	106	100
70744	Nov-80	405	70	15
90475	Mar-83	350	63	8
95554	May-80	302	60	50
97489	Jun-79	320	31	110
129169	Jan-78	210	30	38
129170	Oct-78	240	20	150
142210	Jun-79	350	25	3
149791	May-76	390	50	5
153920	Jul-85	200	60	25
153974	May-85	265	40	75
157191	Sep-76	250	20	10
165634	Feb-87	300	20	6
174418	Oct-85	400	400	6
218962	Mar-84	350	30	33
220043	Aug-84	375	20	40
220359	Jul-84	270	20	100
220390	Sep-84	400	20	6
243377	Jun-83	205	21	6
247210	Aug-82	200	20	29
248307	Aug-84	300	20	30
248327	Aug-84	275	37	80
251045	Aug-87	200	20	3
251563	May-87	500	25	8
251568	Jun-87	350	35	60
258734	Mar-88	302	57	5
275999	Oct-89	560	55	2
276486	May-88	450	40	15
286524	-	231	20	60
286525	-	381	20	60
315166	Sep-89	400	55	7
320980	Sep-90	480	60	12
326509	Mar-90	430	80	100
326510	Mar-90	350	53	15

Continued:

SUMMARY OF WELL CONSTRUCTION AND AIRTEST YIELDS
FOR INDIVIDUAL WELLS IN ROAD 416 SUBAREA
(Continued:)

Well Completion Report No.	Date Drilled (mo./yr.)	Total Depth (feet)	Cased Depth (feet)	Airtest Yield (gpm)	Notes
326515	Mar-90	500	20	30	
326531	Nov-89	400	80	18	
330813	Jan-90	800	20	3	
331910	Mar-90	500	60	8	
331911	Mar-90	300	50	20	
331944	Feb-90	950	60	0	
335099	Jan-90	585	50	50	
343202	May-90	475	53	100	
343203	May-90	625	-	13	deepened
359406	Jan-91	600	20	10	
359410	Feb-91	525	27	30	
360406	-	190	30	27	
360466	Aug-90	425	70	30	
360839	Mar-90	240	20	60	
383930	Jul-91	480	60	12	
383937	Jul-91	440	20	10	
396971	May-92	300	20	100	
411200	Oct-92	480	24	7	
411429	Nov-91	400	20	3	
411449	Nov-91	560	50	13	
415501	Jun-94	700	20	5	
457799	May-93	450	65	50	
458271	May-93	250	100	18	
458282	May-93	200	50	18	
458289	Apr-93	300	60	5	
458286	Apr-93	450	23	6	
458292	Mar-93	425	37	15	
458295	Mar-93	150	40	100	
480604	Jul-91	275	20	60	
481911	Apr-91	350	50	100	
481917	May-91	325	60	12	
489800	Mar-92	450	34	100	
489802	Mar-92	350	40	7	

Continued:

SUMMARY OF WELL CONSTRUCTION AND AIRTEST YIELDS FOR INDIVIDUAL WELLS IN ROAD 416 SUBAREA
(Continued:)

Well Completion Report No.	Date Drilled (mo./yr.)	Total Depth (feet)	Cased Depth (feet)	Airtest Yield (gpm)	Notes
489803	Apr-92	350	55	18	
490508	Mar-92	200	20	12	
490536	Dec-91	500	60	5	
490544	Nov-91	600	40	2	
498454	Nov-92	327	60	25	
498494	Aug-93	350	53	150	
501678	May-94	700	700	18	
508101	Aug-96	340	23	30	
542809	Apr-95	200	22	8	
542968	Apr-95	1,170	60	60	
549033	Feb-95	300	34	8	
569205	Nov-97	475	32	75	
706441	Jul-99	802	39	2	
718162	Jul-99	310	-	8	deepened
719172	Aug-99	400	60	100	
783010	Feb-01	502	54	20	
783021	May-01	400	55	20	
783397	Dec-00	750	55	5	
785579	Oct-01	427	45	10	
817636	Dec-02	650	50	7	
817638	Dec-02	615	55	200	
817642	Jan-03	600	50	18	

SUMMARY OF WELL CONSTRUCTION AND AIRTEST YIELDS FOR INDIVIDUAL WELLS IN PICAYUNE RANCHERIA SUBAREA

Well Completion Report No.	Date Drilled (mo./yr.)	Total Depth (feet)	Cased Depth (feet)	Airtest Yield (gpm)	Notes
e011747	Jun-03	400	39	50	
22513	Feb-77	200	20	20	
26692	Jul-66	155	16	-	
53863	Sep-79	375	50	20	
71375	Mar-80	225	30	100	
71377	Apr-80	280	25	150	
71378	Mar-80	395	29	10	
71379	Apr-80	200	30	40	
71381	Apr-80	525	43	12	
95599	Jul-81	200	47	400	
95615	Jun-80	594	50	1	
95616	Jun-80	335	300	4	
97979	Nov-79	150	20	30	
97989	Nov-82	200	20	12	
129151	Jun-78	300	20	25	
129152	Jun-78	300	20	8	
129200	Jan-78	225	-	5	
130544	May-79	150	40	15	
142201	May-79	303	27	15	
142222	Aug-79	375	40	80	
142249	Mar-80	175	17	12	
142733	Sep-78	205	60	75	
145737	Jul-76	825	20	25	
153931	Aug-85	525	-	10	deepened
153998	Jun-85	550	-	3	deepened
157172	Aug-76	225	40	80	
157184	Aug-76	325	60	20	
157192	Sep-76	300	20	5	
157194	Sep-76	325	-	2	
157238	Nov-76	450	40	7	
157242	Nov-76	200	40	25	
164560	Dec-86	300	45	50	
165170	Feb-87	236	20	3	
189844	Nov-86	200	20	38	

Continued:

SUMMARY OF WELL CONSTRUCTION AND AIRTEST YIELDS FOR INDIVIDUAL WELLS IN PICAYUNE RANCHERIA SUBAREA
(Continued:)

Well Completion Report No.	Date Drilled (mo./yr.)	Total Depth (feet)	Cased Depth (feet)	Airtest Yield (gpm)	Notes
219812	May-84	320	20	15	
247860	Aug-83	800	20	16	
247891	Mar-94	225	20	16	
251091	Aug-87	500	20	5	
251573	Jun-87	550	20	6	
251952	Jul-87	300	20	40	
259040	Nov-87	200	30	7	
275932	Oct-88	400	22	4	
286517	Aug-89	280	25	120	
286517	Aug-89	280	250	120	
286520	Nov-85	205	20	220	
286534	-	356	20	17	
315156	Aug-89	400	-	12	deepened
326512	Mar-90	350	280	45	
326548	Feb-90	225	83	20	
331908	Mar-90	300	49	100	
334749	Oct-89	325	22	22	
343204	May-90	300	20	25	
343205	May-90	800	-	5	
359404	Nov-90	500	22	30	
359431	Feb-91	300	40	31	
360421	-	505	20	35	
360467	Aug-90	640	20	2	
360468	Aug-90	400	55	75	
360809	Jun-90	360	20	6	
396701	Jun-92	750	80	60	
396953	Mar-92	240	20	7	
457742	Aug-93	300	300	5	
458266	May-93	175	35	30	
458266	May-93	175	35	30	
458299	Apr-93	350	40	12	
480609	Jul-91	300	20	100	
490129	May-92	500	24	15	

Continued:

SUMMARY OF WELL CONSTRUCTION AND AIRTEST YIELDS FOR INDIVIDUAL WELLS IN PICAYUNE RANCHERIA SUBAREA
(Continued:)

Well Completion Report No.	Date Drilled (mo./yr.)	Total Depth (feet)	Cased Depth (feet)	Airtest Yield (gpm)	Notes
513797	May-98	475	55	10	
542984	Jun-95	400	180	75	
549030	Jan-95	475	80	65	
568837	Feb-95	625	60	9	
579105	Jan-94	675	280	35	
706561	Feb-00	455	26	-	
719170	Oct-99	350	25	30	
743677	Mar-03	590	29	100	
743688	May-03	200	20	80	
743717	Aug-03	900	-	10	deepened
788558	Oct-02	400	45	15	
800874	Jan-02	600	55	15	
817639	Jan-03	300	85	-	
817640	Jan-03	400	50	5	
827680	Oct-02	700	20	8	

APPENDIX D

WATER-LEVEL MEASUREMENTS FOR WELLS IN COARSEGOLD AREA FOR 2006-07

WATER-LEVEL MEASUREMENTS

COARSEGOLD AREA

Park Sierra Dr.

Well head elevation 1,881.2 ft

Distance from M.Pt to G.S 1.0 ft

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
3/23/2007		195.00	1,685	
4/25/2007	1:52 PM	199.62	1,681	
5/16/2007	4:32 PM	202.34	1,678	
6/26/2007	4:25 PM	204.59	1,676	
7/20/2007	9:30 AM	240.00	1,640	
8/15/2007	12:50 PM	249.16	1,631	
9/27/2007	-	255.91	1,624	
10/18/2007	2:00 PM	270.20	1,610	
11/29/2007	8:45 AM	244.79	1,635	

Park Sierra Dr.

Well head elevation 1,805.7 ft

Distance from M.Pt. to G.S 1.0 ft

Total Depth of Well 450 ft

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
3/23/2007		193.00	1,677	
4/25/2007	1:45 PM	199.72	1,605	
5/16/2007	4:22 PM	201.65	1,603	
6/26/2007	4:35 PM	202.17	1,603	
7/20/2007	10:15 AM	227.00	1,578	
8/15/2007	1:10 PM	232.19	1,572	
9/27/2007	-	240.10	1,565	
10/18/2007	2:17 PM	246.82	1,558	
11/29/2007	9:00 AM	240.14	1,565	

Park Sierra Dr.

Well head elevation 1,840.8 ft
Distance from M.P. to G.S 0 ft
Total Depth of Well 450 ft

Date of Measurement	Time	Depth to Water (Ft)	Water Level Elevation (feet)	Comments
3/23/2007	-	152.35	1,688	
4/25/2007	1:20 PM	157.35	1,683	
5/16/2007	4:10 PM	160.00	1,68[illegible]	
6/26/2007	4:[illegible]9 PM	163.92	1,677	
7/20/2007	9:30 AM	168.70	1,672	
8/15/2007	1:20 PM	175.68	1,665	
9/27/2007	-	184.13	1,657	
10/18/2007	2:25 PM	186.38	1,654	
11/29/2007	9:[illegible]5 AM	191.10	1,650	

Black Oak Road

Well head elevation 2,043.5 ft
Distance from M.P. to G.S 0.6 ft

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
1/9/2007	12:48 PM	93.20	1,950	
2/23/2007	11:45 AM	94.17	1,949	
3/22/2007	12:07 PM	81.00	1,962	
4/25/2007	5:32 PM	79.25	1,964	
5/15/2007	2:00 PM	80.31	1,963	
6/27/2007	5:00 PM	86.55	1,956	
7/19/2007	4:20 PM	89.93	1,953	
8/[illegible]5/2007	5:30 PM	94.[illegible]1	1,949	
9/21/2007	7:00 PM	96.22	1,947	
10/13/2007	9:20 AM	98.57	1,944	
11/29/2007	4:45 PM	100.09	1,943	

Hawk Lane

Well head elevation 1,826.8 ft

Distance from M.Pt. to G.S 3 ft

Date of Measurement	Time	Depth to Water (Ft)	Water Level Elevation (feet)	Comments
1/3/2007	2:40 PM	44.00	1,703	
2/23/2007	12:10 PM	43.20	1,782	not used
3/22/2007	11:49 AM	48.60	1,778	"
4/25/2007	4:00 PM	44.87	1,780	"
5/15/2007	2:30 PM	45.92	1,781	"
6/27/2007	5:27 PM	46.80	1,780	"
7/19/2007	3:40 PM	-	-	Locked
8/15/2007	5:50 PM	-	-	"
9/24/2007	7:15 PM	-	-	"
10/19/2007	-	-	-	"
11/29/2007	-			"

W. Longview Ln.

Well head elevation 2,361.3 ft

Distance from M.Pt. to G.S 2.0 ft

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
3/23/2007	2:55 PM	44.55	2,315	not used
4/25/2007	10:20 AM	44.10	2,317	
5/15/2007	1:35 PM	45.27	2,314	
6/27/2007	5:45 PM	46.94	2,312	
7/20/2007	9:58 AM	47.50	2,313	
8/20/2007	12:50 PM	49.65	2,310	
9/25/2007	9:00 AM	54.16	2,305	
10/19/2007	4:06 PM	57.35	2,302	
11/30/2007	8:40 AM	60.25	2,299	

D G Lane

Well head elevation 2,427.0 ft
Distance from M.Pt. to G.S 1.4 ft

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
3/23/2007	2:40 PM	135.00	2,291	
4/25/2007	10:00 AM	132.19	2,293	
5/16/2007	4:15 PM	134.40	2,291	
6/27/2007	5:38 PM	134.97	2,291	
7/20/2007	8:39 AM	135.68	2,290	
8/20/2007	12:59 PM	137.11	2,288	
9/25/2007	9:10 AM	140.20	2,285	
10/19/2007	4:15 PM	142.52	2,283	
11/30/2007	5:49 AM	143.87	2,282	

Romero Lane

Well head elevation 2,929.3 ft
Distance from M.Pt. to G.S -

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
4/2/2007	9:15 AM	289.00	2,634	
4/25/2007	9:00 AM	288.12	2,635	
5/15/2007	11:15 AM	289.90	2,633	
6/27/2007	7:15 PM	297.37	2,631	
7/19/2007	9:53 AM	292.69	2,631	
8/16/2007	8:07 AM	293.56	2,630	
9/24/2007	9:37 AM	295.42	2,628	
10/19/2007	2:50 PM	297.60	2,626	
11/30/2007	12:15 PM	299.52	2,624	

Sunset Drive

Well head elevation 3,271.2 ft

Distance from M.P. to G.S =

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (Feet)	Comments
4/2/2007	9:56 AM	144.00	3,127	
4/24/2007	12:30 PM	137.97	3,133	
5/15/2007	11:41 AM	138.59	3,133	
6/26/2007	12:43 PM	140.16	3,131	
7/19/2007	9:31 AM	141.09	3,130	
8/16/2007	8:25 AM	144.12	3,127	
9/25/2007	9:45 AM	148.30	3,123	
10/19/2007	3:10 PM	151.00	3,120	
11/30/2007	12:50 PM	153.16	3,118	

Sunset Drive

Well head elevation 3,280.8 ft

Distance from M.P. to G.S =

Total Depth of Well 350 ft

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
4/2/2007	9:49 AM	60.45	3,220	
4/24/2007	11:55 AM	59.60	3,221	
5/15/2007	11:35 AM	61.22	3,220	
6/26/2007	12:30 PM	63.50	3,217	
7/19/2007	9:25 AM	63.47	3,217	
8/16/2007	8:37 AM	66.31	3,214	
9/25/2007	9:51 AM	69.70	3,211	
10/19/2007	3:20 PM	72.98	3,208	
11/30/2007	12:40 PM	74.00	3,207	

Sunset Drive

Well head elevation 3,250.0 ft

Distance from M.P. to G.S -

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
4/2/2007	9:35 AM			Pumping
4/24/2007	11:10 AM	262.20	3,028	
5/15/2007	11:46 AM	259.60	3,030	
6/20/2007	12:10 PM	263.15	3,027	
7/19/2007	9:10 AM	261.92	3,028	
8/16/2007	8:48 AM	270.10	3,020	Sprinklers on
9/25/2007	10:00 AM	275.00	3,015	
10/19/2007	3:30 PM	279.00	3,011	
11/20/2007	1:00 AM	282.00	2,008	

Sunset Drive

Well head elevation 3,254.7 ft

Distance from M.P. to G.S -

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
4/2/2007	9:45 AM	95.30	3,159	
4/25/2007	10:40 AM	93.22	3,161	
5/15/2007	11:40 AM	93.01	3,162	
6/25/2007	11:55 AM	96.84	3,158	
7/19/2007	9:00 AM	97.80	3,157	
8/16/2007	8:57 AM	99.74	3,155	
9/25/2007	10:07 AM	101.47	3,153	
10/19/2007	3:41 PM	103.78	3,151	
11/30/2007	1:17 PM	105.21	3,149	

Savage Road

Well head elevation 1,732.1 ft
Distance from M.P. to G.S 1.0 ft
Total Depth of Well 250 ft

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
2/23/2007	10:31 AM	107.83	1,623	
3/23/2007	10:30 AM	101.86	1,629	
4/23/2007	10:30 AM	99.80	1,631	
5/15/2007	2:50 PM	100.39	1,631	
6/26/2007	4:50 PM	115.97	1,616	
7/20/2007	10:40 AM	118.17	1,613	
8/24/2007	-	130.00	1,601	
9/27/2007	-	134.70	1,596	
12/3/2007	6:00 PM	130.00	1,601	

Road 416

Well head elevation 1,561.1 ft
Distance from M.P. to G.S 0.8 ft
Total Depth of Well 300 ft

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
12/13/2006	10:55 AM	31.05	1,529	
1/10/2007	8:30 AM	31.64	1,529	
3/22/2007	2:26 PM	26.06	1,534	
4/25/2007	-	23.21	1,537	
5/15/2007	3:45 PM	25.47	1,535	
6/26/2007	5:05 PM	26.03	1,534	
7/20/2007	10:57 AM	38.65	1,521	[illegible]
8/10/2007	7:40 PM	37.94	1,522	
9/25/2007	4:45 PM	39.40	1,521	
10/10/2007	2:40 PM	42.10	1,518	
11/28/2007	11:50 AM	44.06	1,516	

Road 416

Well head elevation 1,564.9 ft
Distance from M.P. to G.S 1.4 ft
Total Depth of Well 200 ft

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
12/11/2006	10:15 AM	33.57	1,530	
1/10/2007	9:13 AM	34.92	1,529	
2/22/2007	2:15 PM	27.64	1,536	
4/24/2007	-	33.95	1,530	
5/15/2007	3:16 PM	32.10	1,532	
6/26/2007	5:15 PM	33.05	1,530	
7/20/2007	11:10 AM	40.00	1,524	
8/15/2007	1:55 PM	45.19	1,518	
9/25/2007	3:36 PM	47.03	1,517	
10/19/2007	2:55 PM	-	-	Gate locked
11/29/2007	-	-	-	Gate locked

Road 416

Well head elevation 1,564.5 ft
Distance from M.P. to G.S 0.4 ft
Total Depth of Well 280 ft

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
12/13/2006	10:41 AM	31.48	1,533	
1/29/2007	9:20 AM	33.21	1,531	
2/23/2007	-	34.96	1,530	
3/29/2007	2:35 PM	26.85	1,537	
4/24/2007	-	28.50	1,536	
5/15/2007	3:30 PM	28.14	1,536	
6/26/2007	5:30 PM	29.82	1,534	
7/20/2007	11:35 AM	35.16	1,529	
8/15/2007	2:10 PM	37.00	1,527	
9/25/2007	4:30 PM	39.14	1,525	
10/19/2007	3:15 PM	42.70	1,521	
11/29/2007	12:07 PM	44.35	1,520	

Water Gulch Road

Well head elevation 1,729.1 ft
Distance from M.P. to G.S -
Total Depth of Well 450 ft

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
5/17/2007	9:58 AM	67.30	1,656	
6/28/2007	1:15 PM	69.60	1,654	
7/20/2007	11:53 AM	73.54	1,650	
8/15/2007	5:00 PM	75.00	1,649	
9/25/2007	4:10 PM	76.96	1,646	
10/19/2007	5:50 PM	78.35	1,645	
11/29/2007	2:47 PM	79.11	1,644	

Reagan Mountain Rd.

Well head elevation 1,956.3 ft
Distance from M.P. to G.S 0.4 ft

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
1/8/2007	3:30 PM	114.00		
2/23/2007	4:30 PM	114.63		
3/22/2007	12:35 PM	112.49		
4/25/2007	3:40 PM	119.27		
5/17/2007	10:30 AM	113.18		
6/27/2007	8:33 AM	114.15		
7/19/2007	4:49 PM	116.07		
8/15/2007	12:30 PM	118.15		
9/24/2007	-			Gate locked
10/19/2007	8:54 AM	120.00		
11/29/2007	4:18 PM	122.47		

Aspen Court

Well head elevation 1,903.7 ft

Distance from M.Pt. to G.S 1.7 ft

Date of Measurement	Time	Depth to Water (Ft)	Water Level Elevation (Feet)	Comments
12/15/2006		118.60	1,783	
1/18/2007	3:20 PM	116.91	1,785	
2/23/2007	3:30 PM	119.07	1,783	
3/22/2007	1:25 PM	95.87	1,806	
4/23/2007	9:50 AM	95.46	1,807	
5/15/2007	5:26 PM	99.29	1,803	
6/26/2007	6:45 PM	103.90	1,798	
7/19/2007	3:00 PM	109.54	1,792	
8/15/2007	2:30 PM	111.60	1,790	
9/25/2007	3:19 PM	114.53	1,787	
10/18/2007	3:31 PM	115.80	1,786	
11/29/2007	12:30 PM	117.15	1,785	

Road 416

Well head elevation: 1,812.5 ft

Distance from M.Pt. to G.S 1.8 ft

Date of Measurement	Time	Depth to Water (Ft)	Water Level Elevation (Feet)	Comments
12/15/2006	11:45 AM	154.15	1,655	
1/18/2007	12:45 PM	155.20	1,654	
2/23/2007	2:37 PM	155.69	1,654	
3/22/2007	1:59 PM	146.08	1,663	
4/23/2007	12:00 AM	144.86	1,664	
5/15/2007	5:10 PM	145.15	1,664	
6/26/2007	6:36 PM	143.62	1,669	
7/19/2007	2:40 PM	148.10	1,664	
8/15/2007	2:40 PM	153.42	1,659	
9/25/2007	3:40 PM	159.36	1,649	
10/19/2007	4:50 PM	161.62	1,647	
11/29/2007	1:47 PM	164.29	1,644	

Road 415

Well head elevation 1,854.9 ft

Distance from M.Pt. to G.S 2.4 ft

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (Feet)	Comments
12/14/2006	15:08	197.85	1,675	
1/18/2007	12:19 PM	185.67	1,677	
2/23/2007	2:45 PM	184.16	1,678	
3/23/2007	3:15 PM	177.11	1,685	
4/23/2007	1:30 PM	178.36	1,684	
7/19/2007	2:15 PM	194.00	1,669	
8/15/2007	3:18 PM	198.62	1,664	
9/25/2007	3:26 PM	202.41	1,660	
10/18/2007	5:20 PM	204.48	1,658	
11/29/2007	2:20 PM	205.91	1,657	

Road 416

Well head elevation 1,839.5 ft

Distance from M.P. to G.S 1.6 ft

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (Feet)	Comments
12/14/2006	3:15 PM	165.38	1,673	
1/18/2007	12:31 PM	164.27	1,674	
2/23/2007	3:57 PM	164.30	1,674	
3/22/2007	3:24 PM	159.91	1,678	
4/23/2007	1:03 PM	158.15	1,680	
5/15/2007	5:50 PM	160.40	1,678	
6/26/2007	6:59 PM	162.55	1,676	
7/19/2007	2:00 PM	165.20	1,673	
8/15/2007	3:30 PM	169.67	1,668	
9/25/2007	3:20 PM	174.58	1,663	
10/18/2007	5:35 PM	175.90	1,662	
11/29/2007	2:50 PM	177.00	1,661	

Road 416

Well head elevation 1,820.4 ft

Distance from M.Pt. to G.S 2.0 ft

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
12/14/2006	11:25 AM	158.04	1,660	
1/10/2007	10:26 AM	161.19	1,657	
2/23/2007	3:10 PM	159.45	1,659	
3/22/2007	1:45 PM	150.55	1,668	
4/23/2007	9:20 AM	153.70	1,666	
5/15/2007	4:47 PM	153.61	1,665	
6/26/2007	6:21 PM	154.30	1,664	
7/19/2007	1:30 PM	156.57	1,662	
8/15/2007	3:57 PM	158.33	1,660	
9/25/2007	2:53 PM	161.09	1,657	
10/10/2007	4:29 PM	162.25	1,656	
11/29/2007	12:45 PM	163.72	1,655	

Oak Springs Ct

Well head elevation 1,780.8 ft

Distance from M.Pt. to G.S 1.2 ft

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
12/14/2006	3:35 PM	106.45	1,673	
1/18/2007	10:19 AM	106.82	1,673	
2/22/2007	2:30 PM	107.19	1,673	
3/22/2007	1:00 PM	100.30	1,679	
4/23/2007	8:40 AM	99.55	1,680	
5/15/2007	4:15 PM	101.33	1,678	
6/26/2007	5:59 PM	104.67	1,675	
7/19/2007	12:58 PM	107.59	1,672	
8/15/2007	4:15 PM	110.45	1,669	
9/25/2007	2:40 PM	116.15	1,663	
10/10/2007	3:46 PM	117.42	1,662	
11/29/2007	1:00 PM	119.90	1,660	

Cutting Horse Ln.

Well head elevation 1,738.1 ft

Distance from M.P. to G.S 1.5 ft

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
12/14/2006	4:01 PM	95.21	1,641	
1/18/2007	10:04 AM	98.00	1,639	
2/23/2007	2:17 PM	100.47	1,636	
3/22/2007	12:50 PM	84.60	1,653	
4/23/2007	10:00 AM	86.49	1,650	
5/15/2007	4:00 PM	86.80	1,650	
6/26/2007	5:50 PM	88.14	1,648	
7/19/2007	12:40 PM	90.06	1,647	
8/15/2007	4:27 PM	93.52	1,643	
9/25/2007	2:30 PM	99.23	1,637	
10/18/2007	3:55 PM	101.35	1,635	
11/29/2007	1:19 PM	103.42	1,633	

Oak Springs Ct.

Well head elevation 1,815.7 ft

Distance from M.P. to G.S 0.8 ft

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
12/14/2006	3:46 PM	139.97	1,675	
1/18/2007	10:11 AM	143.10	1,672	
2/23/2007	2:40 PM	145.20	1,670	
3/22/2007	1:15 PM	135.69	1,679	
4/23/2007	9:40 AM	136.21	1,679	
5/15/2007	4:27 PM	137.05	1,678	
6/26/2007	5:41 PM	139.40	1,676	
7/19/2007	12:20 PM	142.16	1,673	
8/15/2007	4:40 PM	145.10	1,670	
9/25/2007	2:20 PM	148.59	1,666	
10/18/2007	4:10 PM	149.74	1,665	
11/29/2007	1:26 PM	151.12	1,664	

Wells Road

Well head elevation 2,228.1 ft

Distance from M.P. to G.S. -

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
12/14/2006	1:15 PM	278.00	1,950	
1/19/2007	1:00 PM	280.11	1,948	
2/23/2007	4:30 PM	282.09	1,946	
3/22/2007	3:49 PM	272.46	1,956	
4/23/2007	11:45 AM	271.65	1,956	
6/26/2007	2:00 PM	-	-	Gate Locked
7/19/2007	-	-		"
8/15/2007	15:30	-	-	"
10/18/2007	-	-	-	"
11/29/2007	-	-	-	"

Franklin Rd.

Well head elevation

Distance from M.P. to G.S.

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
3/22/2007	-		Wet @ 134	[illegible]
4/23/2007	11:15 AM		Wet @ 130	estimate
5/16/2007	9:45 AM		Wet @ 130	measurement
6/27/2007	1:30 PM		-	
7/16/2007	5:50 PM		"	
8/16/2007	4:15 PM		"	
9/25/2007	1:57 PM		"	
10/19/2007	9:55 AM		"	
11/28/2007	2:20 PM		"	

Highway 41

Well head elevation 2,496.9 ft
Distance from M.Pt. to G.S 2.[illegible] ft
Total Depth of Well 600. ft

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
4/27/2007	3:40 PM	119.35	2,375	
5/15/07	12:00 PM	120.82	2,374	
6/27/2007	2:40 PM	123.16	2,372	
7/18/2007	6:19 PM	126.87	2,371	
8/16/2007	11:31 AM	125.15	2,370	
9/24/2007	6:27 PM	130.60	2,364	
10/19/2007	12:41 PM	133.00	2,362	
11/30/2007	4:40 PM	135.29	2,360	

Hill Ct.

Well head elevation 2,598.5 ft
Distance from M.Pt. to G.S .
Total Depth of Well 1,120 ft

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
4/2/2007	1:20 PM	249.60	2,259	
4/24/2007	1:30 PM	237.00	2,272	
5/16/2007	1:30 PM	233.54	2,275	
6/27/2007	1:20 PM	237.19	2,271	
7/18/2007	6:40 PM	240.32	2,268	
8/16/2007	10:40 AM	249.68	2,259	Watering
9/24/2007	6:00 PM	255.00	2,254	"
10/19/2007	1:10 PM	255.96	2,253	"
11/30/2007	3:10 PM	260.10	2,249	

Hwy 41 & 415

Well head elevation 2,219.6 ft

Distance from M.Pt. to G.S -

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
4/2/2007	11:06 AM	5.89	2,214	
4/25/2007	-	5.35	2,214	
5/15/2007	12:30 PM	6.27	2,213	
6/27/2007	9:01 AM	7.60	2,212	
7/19/2007	11:40 AM	8.21	2,211	
8/16/2007	12:00 PM	8.34	2,211	
9/24/2007	5:46 PM	10.00	2,210	
10/19/2007	2:20 PM	11.96	2,208	
11/30/2007	5:30 PM	13.04	2,207	

Hwy 41 & 415

Well head elevation 2,204.3 ft

Distance from M.Pt. to G.S -

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
4/2/2007	11:00 AM	35.90	2,168	
4/25/2007	8:00 AM	33.00	2,171	
5/15/2007	12:35 PM	36.77	2,166	
6/27/2007	9:10 AM	38.50	2,166	
7/19/2007	11:33 AM	39.01	2,165	
8/16/2007	12:09 PM	39.15	2,165	
9/24/2007	5:40 PM	44.00	2,160	
10/19/2007	2:30 PM	46.37	2,158	
11/30/2007	5:34 PM	48.00	2,156	

Pony Express Ln.

Well head elevation 2,284.2 ft

Distance from M.Pt. to G.S -

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
4/2/2007	12:15 PM	70.83	2,213	
4/25/2007	9:58 AM	71.54	2,213	
5/15/2007	1:15 PM	71.36	2,213	
6/27/2007	3:45 PM	74.00	2,210	
7/19/2007	11:19 AM	75.15	2,209	
8/16/2007	11:00 AM	76.76	2,207	
9/24/2007	5:25 PM	79.90	2,204	
10/19/2007	1:25 PM	83.95	2,200	
12/1/2007	10:00 AM	85.33	2,199	

Highway 41

Well head elevation 2,362.1 ft

Distance from M.Pt. to G.S -

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
3/2/2007	11:59 AM	103.14	2,259	
4/24/2007	9:20 AM	103.00	2,259	
5/15/2007	1:0[illegible] PM	104.32	2,258	
6/27/2007	3:30 PM	106.10	2,256	
7/19/2007	10:51 AM	108.94	2,253	
8/16/2007	9:45 AM	110.00	2,252	
9/24/2007	5:10 PM	113.50	2,249	
10/19/2007	1:45 PM	114.77	2,247	
12/1/2007	10:20 AM	117.54	2,245	

Highway 41

Well head elevation 2,342.7 ft

Distance from M.Pt. to G.S =

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
3/2/2007	11:10 AM	83.40	2,259	
4/24/2007	9:06 AM	80.27	2,262	
5/15/2007	12:57 PM	82.65	2,260	
6/27/2007	3:10 PM	83.91	2,259	
7/19/2007	10:30 AM	84.16	2,259	
8/16/2007	9:30 AM	86.55	2,256	
9/24/2007	4:40 PM	88.10	2,255	
10/19/2007	1:58 PM	89.30	2,253	
12/7/2007	10:35 AM	92.75	2,250	

Road 415

Well head elevation 2,311.3 ft

Distance from M.Pt. to G.S =

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
3/2/2007	11:45 AM	127.83	2,184	
4/24/2007	8:15 AM	125.40	2,186	
5/15/2007	1:00 PM	126.34	2,185	
6/27/2007	9:36 AM	129.30	2,182	
7/19/2007	9:27 AM	129.15	2,182	
8/16/2007	12:30 PM	131.08	2,180	
9/24/2007	5:00 PM	142.10	2,169	
10/19/2007	12:30 PM	150.56	2,161	
12/7/2007	11:00 AM	156.11	2,155	

Bluff Drive

Well head elevation 1,372.5 ft

Distance from M.P. to G.S. 1.0 ft

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
12/13/2006	2:23 PM	172.43	1,199	
1/18/2007	2:15 PM	170.56	1,201	
2/23/2007	1:20 PM	171.83	1,200	
3/22/2007	-	170.64	1,201	
4/24/2007	2:00 PM	170.32	1,201	
5/16/2007	11:00 AM	171.59	1,200	
6/27/2007	10:40 AM	173.10	1,198	
7/18/2007	4:20 PM	174.61	1,197	
8/20/2007	5:00 PM	176.94	1,195	
9/25/2007	10:45 AM	179.25	1,192	
10/19/2007	11:00 AM	182.13	1,189	
11/28/2007	3:15 PM	184.09	1,187	

Bluff Drive

Well head elevation 1,741 ft

Distance from M.P. to G.S. -

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
3/23/2007	1:35 PM	293.16	1,448	
4/24/2007	2:40 PM	290.11	1,451	
5/16/2007	11:45 AM	290.84	1,450	
6/27/2007	10:15 AM	294.15	1,447	
7/18/2007	4:00 PM	293.70	1,447	
8/20/2007	2:37 PM	295.52	1,445	
9/25/2007	11:25 AM	298.69	1,442	
10/19/2007	10:30 AM	299.99	1,441	
11/28/2007	3:35 PM	300.15	1,441	

Road 415

Well head elevation 2,243.1 ft
Distance from M.Pt. to G.S 1.0 ft
Total Depth of Well 275 ft

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
12/13/2006	11:32 AM	110.00	2,132	
1/18/2007	3:47 PM	108.97	2,134	
2/23/2007	12:40 PM	110.38	2,132	
3/23/2007	2:30 PM	105.24	2,137	
4/27/2007	12:47 PM	103.16	2,139	
5/15/2007	-	-	-	Gate locked
6/27/2007	12:30 PM	106.03	2,136	
7/18/2007	3:30 PM	107.00	2,135	
8/20/2007	4:15 PM	110.06	2,132	
9/25/2007	11:40 AM	112.45	2,130	
10/19/2007	11:49 AM	113.84	2,128	
11/28/2007	4:00 PM	114.70	2,127	

Tenaya Trail

Well head elevation 1,597.3 ft
Distance from M.Pt. to G.S 1.3 ft

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
12/14/2006	2:30 PM	409.00	1,187	
1/18/2007	-	-	-	Gate locked
2/23/2007		-	-	Gate locked
3/23/2007	11:25 AM	404.61	1,191	
4/23/2007	2:00 PM	404.00	1,192	
5/16/2007	10:30 AM	404.72	1,191	
6/27/2007	11:15 AM	406.15	1,190	
7/18/2007	2:50 PM	408.06	1,188	
8/16/2007	2:15 PM	413.40	1,183	
9/25/2007	12:10 PM	417.52	1,178	
10/18/2007	6:20 PM	420.11	1,175	
11/29/2007	3:12 PM	421.75	1,174	

River Road 400

Well head elevation 1,502.6 ft

Distance from M.Pt. to G.S 1.5 ft

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
3/23/2007	4:05 PM	56.90	1,540	
4/24/2007	3:10 PM	55.14	1,541	
5/16/2007	12:20 PM	54.65	1,541	
6/27/2007	11:40 AM	55.47	1,541	
7/18/2007	2:30 PM	56.84	1,539	
8/16/2007	3:00 PM	59.06	1,537	
9/25/2007	12:30 PM	62.30	1,534	
10/19/2007	6:30 PM	64.00	1,532	
11/29/2007	3:43 PM	65.64	1,530	

Woodmar Drive

Well head elevation 1,335.7 ft

Distance from M.Pt. to G.S -

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
4/23/2007	5:45 PM	200.70	1,136	
5/16/2007	5:00 PM	202.44	1,134	
6/26/2007	3:41 PM	205.67	1,131	
7/18/2007	4:30 PM	206.11	1,131	
8/16/2007	1:19 PM	210.25	1,126	
9/25/2007	1:30 PM	212.77	1,124	
10/19/2007	11:25 AM	214.45	1,122	
11/20/2007	4:2[illegible] PM	215.16	1,122	

Indian Lakes SA 1
Well 5

Well head elevation 2,247.1 ft
Distance from M.Pt. to G.S 1.8 ft

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
1/9/2007	12:10 PM	212.00	2,033	
3/22/2007	10:00 AM	247.07	1,999	Pumping
4/27/2007	2:37 PM	250.86	1,994	
5/16/2007	9:49 PM	261.40	1,984	
6/28/2007	9:32 AM	253.51	1,992	
7/25/2007	9:27 AM	285.30	1,960	
8/20/2007	12:35 PM	296.50	1,949	
9/24/2007	9:00 AM	303.10	1,942	
10/22/2007	10:00 AM	324.40	1,921	Pumping
11/30/2007	9:19 AM	340.10	1,905	Pumping

Indian Lakes SA 1
Well 4

Well head elevation 2,216.8 ft
Distance from M.Pt. to G.S 0.4 ft

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
1/9/2007	11:45 AM	181.80	2,035	
3/22/2007	10:21 AM	170.19	2,046	
4/27/2007	2:55 PM	174.26	2,042	
5/16/2007	2:40 PM	170.00	2,046	
6/28/2007	9:45 AM	180.56	2,036	
7/25/2007	9:56 AM	257.90	1,959	
8/20/2007	12:19 PM	194.62	2,022	
9/24/2007	9:41 AM	289.00	1,927	Pumping
10/22/2007	10:16 AM	296.50	1,920	Pumping
11/30/2007	9:27 AM	304.70	1,912	

Quartz Mt. MD 73
Ridge 1

Well head elevation 2,537.5 ft
Distance from M.Pt. to G.S 1.5 ft

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
1/9/2007	11:?? AM	136.50	2,400	
3/22/2007	11:06 AM	120.00	2,416	
4/27/2007	3:35 PM	119.38	2,417	
5/16/2007	3:11 PM	248.00	2,288	
6/28/2007	10:30 AM	229.69	2,306	Pumping
7/25/2007	10:27 AM	502.10	2,034	"
8/20/2007	11:41 AM	508.35	2,028	"
9/24/2007	9:47 AM	509.86	2,026	"
10/22/2007	10:45 AM	496.50	2,040	"
11/30/2007	9:40 AM	544.37	1,992	"

Quartz Mt. MD 73
Pond 2

Well head elevation 2,280.6 ft
Distance from M.Pt. to G.S 1.0 ft

Date of Measurement	Time	Depth to Water (ft)	Water Level Elevation (feet)	Comments
1/9/2007	10:50 AM	79.50	2,200	
3/22/2007	10:47 AM	300.00	1,980	
4/27/2007	3:10 PM	186.30	2,093	
5/16/2007	3:00 PM	307.00	1,973	Pumping
6/28/2007	10:10 AM	223.50	2,057	Pumping
7/25/2007	10:40 AM	241.00	2,039	Pumping
8/20/2007	10:34 AM	249.72	2,030	
9/24/2007	10:37 AM	66.57	2,213	
10/22/2007	10:?? AM	260.36	2,019	Pumping
11/30/2007	10:15 AM	196.53	2,083	