Caltest
ANALYTICAL LABORATORY
1885 North Kelly Road
Napa, CA 94558
Phone: (707) 258-4000
Fax: (707) 226-1001

LAB NUMBER
C020145

CCDOHS.SR

PAID
CK NO. Mastercard 146.50
DATE 2/6/02

COLIFORM BACTERIA ANALYSIS

SAMPLING INSTRUCTIONS:

BOTTLE *IS STERILE*.
DO NOT OPEN OR RINSE BEFORE SAMPLING

1. Pick a water tap that is commonly used. Do not use a swivel faucet.
2. Remove any tap attachments (filters, aerators, etc.).
3. Let the water run for a full 5 to 10 minutes.
4. Clean faucet with rubbing alcohol, inside and outside.
5. Open the cold water valve to a full steady stream.
6. Hold the sample container near the bottom.

CARE MUST BE TAKEN IN THE FOLLOWING STEPS TO AVOID SPLASHING

7. Reduce the flow of water to a 'pencil' stream.
8. Remove cap without touching the neck or the inside of cap.
9. Open the sample container - carefully insert opening into the water stream - ***fill the container to the 100 ml line*** - recap container and tighten. **RETURN TO THE LAB WITHIN 12 HOURS.**

NOTE: 100ml of sample is required to perform this analysis accurately, therefore it is critical that the container be filled to the 100ml line.

FEES:
For Coliform Analysis Only

Results available in 5 days $40.00
RUSH - Results faxed/verbal next day ..... add $20.00
Payment must be received before analysis can begin.

☐ Check here if this is a next business day Rush analysis.

☐ Check here if this sample is used for regulatory purposes.

☒ Check here to have lab send copy to regulatory office.
☐ NCEH ☒ DOHS.SR ☐ DOHS.BEHK

CHAIN OF CUSTODY:

Client: U.S. Bureau of Reclamation Phone: (707) 966-2111 Fax: (707) 966-0409

Address: 5520 Knoxville Rd, Napa, Ca. 94558 Type of Payment Enclosed: M/C

Project: Lake Berryessa Report ATTN: Clayton T. Dennis

Date of Samping: 2-06-02 Time of Sampling: 0945 Sampled By: Clayton T. Dennis

Sample Location Description: inside tap, bureau headquarters

Submitted By: (Print & Sign)	Date / Time	Received By.	CSI
Clayton T. Dennis	2-06-02		

2/6/02 840

RESULTS		Total Coliform	Fecal Coliform (E. Coli)
Date/Time Set:	2/6/02 915	PRESENT ☐	PRESENT ☐
Date/Time Read Out:	2/7/02 950		
Analyst:	FG	ABSENT ☒	ABSENT ☒

ONLY THE STATEMENT *'TOTAL COLIFORM ABSENT'* MEANS THAT THE WATER MEETS THE BACTERIAL REQUIREMENTS OF THE STATE HEALTH AND SAFETY CODES FOR POTABLE WATER.

Please fill in your name and mailing address on the back side of this form to insure that you receive your results promptly

Caltest
ANALYTICAL LABORATORY
1885 North Kelly Road
Napa, CA 94558
Phone: (707) 258-4000
Fax: (707) 226-1001

LAB NUMBER C030366
CC DOHS.SR

COLIFORM BACTERIA ANALYSIS

PAID
CK NO. M/C 40.00
DATE 3-14-02

MAR 14 2002

SAMPLING INSTRUCTIONS:

BOTTLE *IS STERILE* -
DO NOT OPEN OR RINSE BEFORE SAMPLING

1. Pick a water tap that is commonly used. Do not use a swivel faucet.
2. Remove any tap attachments (filters, aerators, etc.).
3. Let the water run for a full 5 to 10 minutes.
4. Clean faucet with rubbing alcohol, inside and outside.
5. Open the cold water valve to a full steady stream.
6. Hold the sample container near the bottom.

CARE MUST BE TAKEN IN THE FOLLOWING STEPS TO AVOID SPLASHING

7. Reduce the flow of water to a 'pencil' stream.
8. Remove cap without touching the neck or the inside of cap.
9. Open the sample container - carefully insert opening into the water stream - ***fill the container to the 100 ml line*** - recap container and tighten. **RETURN TO THE LAB WITHIN 12 HOURS.**

FEES:
For Coliform Analysis Only

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RUSH - Results faxed/verbal next day ..... add $20.00
Payment must be received before analysis can begin.

☐ Check here if this is a next business day Rush analysis.

☐ Check here if this sample is used for regulatory purposes.

☒ Check here to have lab send copy to regulatory office.
☐ NCEH ☒ DOHS.SR ☐ DOHS.BERK

NOTE: 100ml of sample is required to perform this analysis accurately, therefore it is critical that the container be filled to the 100ml line.

CHAIN OF CUSTODY:

Client: U.S. Bureau of Reclamation Phone: (707) 966-2111 Fax: (707) 966-0409

Address: 5520 Knoxville Rd, Napa, Ca. 94558 Type of Payment Enclosed: M/C

Project: Lake Berryessa Report ATTN: Clayton T. Dennis

Date of Sampling: 3-11-02 Time of Sampling: 0726 Sampled By: Clayton T. Dennis

Sample Location Description: Inside tap, water treatment plant

Submitted By (Print & Sign)	Date / Time	Received By	CSI
Clayton T. Dennis	3-11-02 / 9:14	[signature]	✓

RESULTS

Date/Time Set: 3/11/02 1015
Date/Time Read Out: 3/12/02 1220
Analyst: EG

	Total Coliform	Fecal Coliform (E. Coli)
PRESENT	☐	☐
ABSENT	☒	☒

ONLY THE STATEMENT *'TOTAL COLIFORM ABSENT'* MEANS THAT THE WATER MEETS THE BACTERIAL REQUIREMENTS OF THE STATE HEALTH AND SAFETY CODES FOR POTABLE WATER.

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Caltest ANALYTICAL LABORATORY
1885 North Kelly Road
Napa, CA 94558
Phone: (707) 258-4000
Fax: (707) 226-1001

APR 1 9 2002

LAB NUMBER

CC00HSSR

PAID
CK. NO. MC 140.00
DATE 4-8-02

COLIFORM BACTERIA ANALYSIS

SAMPLING INSTRUCTIONS:

BOTTLE *IS STERILE* -
DO NOT OPEN OR RINSE BEFORE SAMPLING

1. Pick a water tap that is commonly used. Do not use a swivel faucet.
2. Remove any tap attachments (filters, aerators, etc.).
3. Let the water run for a full 5 to 10 minutes.
4. Clean faucet with rubbing alcohol, inside and outside.
5. Open the cold water valve to a full steady stream.
6. Hold the sample container near the bottom.

CARE MUST BE TAKEN IN THE FOLLOWING STEPS TO AVOID SPLASHING

7. Reduce the flow of water to a 'pencil' stream.
8. Remove cap without touching the neck or the inside of cap.
9. Open the sample container - carefully insert opening into the water stream - ***fill the container to the 100 ml line*** - recap container and tighten. **RETURN TO THE LAB WITHIN 12 HOURS.**

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FEES:
For Coliform Analysis Only

Results available in 5 days $40.00
RUSH - Results faxed/verbal next day ..... add $20.00
Payment must be received before analysis can begin

☐ Check here if this is a next business day Rush analysis.

☒ Check here if this sample is used for regulatory purposes.

☐ Check here to have lab send copy to regulatory office.
☐ NCEH ☒ DOHS.SR ☐ DOHS.BERK

CHAIN OF CUSTODY:

Client: U.S. Bureau of Reclamation Phone: (707) 966-2111 Fax: (707) 966-0409

Address: 5520 Knoxville Rd. Napa, Ca. 94558 Type of Payment Enclosed: M/C

Project: Lake Berryessa Report ATTN: Clayton T. Dennis

Date of Sampling: 4-8-02 Time of Sampling: 0650 Sampled By: Clayton T. Dennis

Sample Location Description: Inside tap, Multi-purpose Building Lk Berryessa

Submitted By (Print & Sign)	Date	Received By	CSI
Clayton T. Dennis [signature]	4-8-02 Time 0830	[signature]	

RESULTS		Total Coliform		Fecal Coliform (E. Coli)	
Date/Time Set	4/8/02 1200	PRESENT	☐	PRESENT	☐
Date/Time Read Out	4/9/02 1600				
Analyst:	FG	ABSENT	☒	ABSENT	☒

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Fax: (707) 226-1001

LAB NUMBER

CC DOHS.SR **PAID**

COLIFORM BACTERIA ANALYSIS

CK NO. MC 48.00
DATE 5-7-02

MAY 8 2002

SAMPLING INSTRUCTIONS:

BOTTLE *IS STERILE* -
DO NOT OPEN OR RINSE BEFORE SAMPLING

1. Pick a water tap that is commonly used. Do not use a swivel faucet.
2. Remove any tap attachments (filters, aerators, etc.).
3. Let the water run for a full 5 to 10 minutes.
4. Clean faucet with rubbing alcohol, inside and outside.
5. Open the cold water valve to a full steady stream.
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HUSH - Results faxed/verbal next day ..... add $20.00
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☑ Check here if this sample is used for regulatory purposes.

☐ Check here to have lab send copy to regulatory office.
☐ NCEH ☑ DOHS SR ☐ DOHS.BERK

CHAIN OF CUSTODY:

Client: U.S.Bureau of Reclamation Phone: (707) 966-2111 Fax: (707) 966-0409

Address: 5520 Knoxville Rd. Napa, Ca. 94558 Type of Payment Enclosed: M/C

Project: Lake Berryessa Report ATTN: Clayton T. Dennis

Date of Sampling: 5-7-02 Time of Sampling: 0630 Sampled By: Clayton T. Dennis

Sample Location Description: Inside tap

Submitted By: (Print & Sign)	Date	Received By	CSI
Clayton T. Dennis	5-7-02 Time 0845		

RESULTS

	Total Coliform	Fecal Coliform (E. Coli)
Date/Time Set 5/7/02 1010	PRESENT ☐	PRESENT ☐
Date/Time Read Out: 5/8/02 1020		
Analyst: FG	ABSENT ☒	ABSENT ☒

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Caltest ANALYTICAL LABORATORY

1885 North Kelly Road
Napa, CA 94558
Phone: (707) 258-4000
Fax: (707) 226-1001

LAB NUMBER

C010116

CG00H5SRD

COLIFORM BACTERIA ANALYSIS

CK. NO. Invoiced 9/1/02

W1-802

DATE 4/5/02

SAMPLING INSTRUCTIONS:

BOTTLE *IS STERILE* -
DO NOT OPEN OR RINSE BEFORE SAMPLING

1. Pick a water tap that is commonly used. Do not use a swivel faucet.
2. Remove any tap attachments (filters, aerators, etc.).
3. Let the water run for a full 5 to 10 minutes.
4. Clean faucet with rubbing alcohol, inside and outside.
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☐ Check here if this sample is used for regulatory purposes.

☒ Check here to have lab send copy to regulatory office.
☐ NCEH ☒ DOHS SR ☐ DOHS BERK

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CHAIN OF CUSTODY:

Client: U.S. Bureau of Reclamation Phone: (707) 966-2111 Fax: (707) 966-0409

Address: 5520 Knoxville Rd. Napa, Ca. 94558 Type of Payment Enclosed: B/O

Project: Lake Berryessa Report ATTN: Clayton T. Dennis

Date of Sampling: 1-15-02 Time of Sampling: 0730 Sampled By: Clayton Dennis

Sample Location Description: Inside tap, Admin complex

Submitted By (Print & Sign)	Date / Time	Received By:	CSI
Clayton T. Dennis [signature]	1-15-02	[signature] 1/15/02 9:45	

RESULTS

Date/Time Set: 1-15-02 1000 MJ

Date/Time Read Out: 1-16-02 1030

Analyst: MJ

	Total Coliform	Fecal Coliform (E. Coli)
PRESENT	☐	☐
ABSENT	☒	☒

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All Source Chemical Monitoring

Date of report: 7/31/2002

System Name: **Napa County Public Works-NBRID**

Source Name: **BERRYESSA LAKE INTAKE** Source #: **N. 001**

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
1,1,1,2 TETRACHLOROETHANE	6/26/1992	0.00	N	1.00		
1,1,1 TRICHLOROETHANE	6/26/1992	0.00	N	200		
1,1,2,2 TETRACHLOROETHANE	6/26/1992	0.00	N	1.00		
1,1,2 TRICHLORO 1,2,2 TRIFLUOROETHANE	6/26/1992	0.00	N	1200		
1,1,2 TRICHLOROETHANE	6/26/1992	0.00	N	5.00		
1,1 DICHLOROETHANE	6/26/1992	0.00	N	5.00	UG/L	
1,1 DICHLOROETHYLENE	6/26/1992	0.00	N	6.00		
1,1 DICHLOROPROPENE	6/26/1992	0.00	N	NA		
1,2,3-TRICHLOROBENZENE	6/26/1992	0.00	N	NA		
1,2,3 TRICHLOROPROPANE	6/26/1992	0.00	N	NA		
1,2,4 TRICHLOROBENZENE	6/26/1992	0.00	N	70.0		
1,2,4 TRIMETHYLBENZENE	6/26/1992	0.00	N	NA		
1,2-DICHLOROBENZENE	6/26/1992	0.00	N	600		
1,2 DICHLOROETHANE	6/26/1992	0.00	N	.50		
1,2-DICHLOROPROPANE	6/26/1992	0.00	N	5.00		
1,3,5 TRIMETHYLBENZENE	6/26/1992	0.00	N	NA		
1,3 DICHLOROBENZENE	6/26/1992	0.00	N	NA		
1,3-DICHLOROPROPANE	6/26/1992	0.00	N	NA		
1,3 DICHLOROPROPENE (TOTAL)	6/26/1992	0.00	N	.50		
1,4-DICHLOROBENZENE	6/26/1992	0.00	N	5.00		
1 PHENYLPROPANE (PROPYLBENZENE)	6/26/1992	0.00	N	NA		
2,2-DICHLOROPROPANE	6/26/1992	0.00	N	NA		
2,4,5 TP (SILVEX)	6/29/1998	0.00	N	50.0		
2,4,5-TP (SILVEX)	5/29/2001	0.00	N	50.0		
2,4 D	6/29/1998	0.00	N	70.0		
2,4 D	5/29/2001	0.00	N	70.0		
2 CHLOROETHYLVINYL ETHER	6/26/1992	0.00	N	NA		
2 CHLOROTOLUENE	6/26/1992	0.00	N	NA		
3 HYDROXCARBOFURAN	5/29/2001	0.00	N	NA		
4 CHLOROTOLUENE	6/26/1992	0.00	N	NA		
AGGRESSIVENESS INDEX	6/29/1998	11.80	Y	NA		
AGGRESSIVENESS INDEX	5/29/2001	12.00	Y	NA		
ALACHLOR	6/29/1998	0.00	N	2.00		
ALDICARB	5/29/2001	0.00	N	NA		
ALDICARB SULFONE	5/29/2001	0.00	N	NA		
ALDICARB SULFOXIDE	5/29/2001	0.00	N	NA		
ALDRIN	6/29/1998	0.00	N	NA		
ALUMINUM	6/26/1992	< 100.00	N	1000		
ALUMINUM	3/23/1993	< 100.00	N	1000		
ALUMINUM	8/15/1994	140.00	Y	1000		
ALUMINUM	6/29/1998	140.00	Y	1000		
ALUMINUM	5/29/2001	< 50.00	N	1000		
ANTIMONY	6/29/1998	< 6.00	N	6.00		
ANTIMONY	5/29/2001	< 6.00	N	6.00		
ARSENIC	6/26/1992	< 10.00	N	50.0		
ARSENIC	3/23/1993	< 10.00	N	50.0		
ARSENIC	8/15/1994	< 2.00	N	50.0		
ARSENIC	6/29/1998	< 2.00	N	50.0		
ARSENIC	5/29/2001	< 2.00	N	50.0		
ASBESTOS	6/29/1998	0.40	Y	7.00		
ASBESTOS	12/7/1998	< 0.20	N	7.00		
ATRAZINE	6/29/1998	0.00	N	1.00		

System Name: BERRYESSA LAKE INTAKE Source #: 001

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
ATRAZINE	9/29/2001	0.00	N	3.00		
BARIUM	6/26/1992	0.100	Y	1000		
BARIUM	3/23/1993	< 100.00	N	1000		
BARIUM	6/15/1994	< 100.00	N	1000		
BARIUM	6/29/1998	< 100.00	N	1000		
BARIUM	5/29/2001	< 100.00	N	1000		
BENZENE	6/29/1998	0.00	N	16.0		
BENZENE	5/29/2001	0.00	N	10.0		
BENZENE	6/26/1992	0.00	N	1.00		
BENZENE	6/24/2002	< 0.50	N	1.00		
BERYLLIUM	6/29/1998	< 1.00	N	4.00		
BERYLLIUM	5/29/2001	< 1.00	N	4.00		
BICARBONATE	6/26/1992	84.00	Y	NA		
BICARBONATE	3/23/1993	64.00	Y	NA		
BICARBONATE	6/15/1994	90.00	Y	NA		
BICARBONATE	6/29/1998	150.00	Y	NA		
BICARBONATE	5/29/2001	160.00	Y	NA		
BORON	6/26/1992	0.20	Y	NA		
BROMACIL	6/29/1998	0.00	N	NA		
BROMOBENZENE	6/26/1992	0.00	N	NA		
BROMOCHLOROMETHANE	6/26/1992	0.00	N	NA		
BROMODICHLOROMETHANE	6/26/1992	16.00	Y	NA		
BROMOFORM	6/26/1992	0.00	N	NA		
BROMOMETHANE	6/26/1992	0.00	N	NA		
BUTACHLOR	6/29/1998	0.00	N	NA		
CADMIUM	6/26/1992	< 5.00	N	5.00		
CADMIUM	3/23/1993	< 1.00	N	5.00		
CADMIUM	6/15/1994	< 1.00	N	5.00		
CADMIUM	6/29/1998	< 1.00	N	5.00		
CADMIUM	5/29/2001	< 1.00	N	5.00		
CALCIUM	6/26/1992	27.00	Y	NA		
CALCIUM	3/23/1993	17.10	Y	NA		
CALCIUM	6/15/1994	22.00	Y	NA		
CALCIUM	6/29/1998	19.00	Y	NA		
CALCIUM	5/29/2001	16.00	Y	NA		
CAPTAN	5/29/2001	0.00	N	NA		
CARBOFURAN	10/8/1999	0.00	N	18.0		
CARBOFURAN	5/29/2001	0.00	N	18.0		
CARBON TETRACHLORIDE	6/26/1992	0.00	N	.500		
CARBONATE	6/26/1992	< 1.00	N	NA		
CARBONATE	3/23/1993	< 1.00	N	NA		
CARBONATE	6/15/1994	5.00	Y	NA		
CARBONATE	6/29/1998	< 1.00	N	NA		
CARBONATE	5/29/2001	< 1.00	N	NA		
CHLORDANE	6/29/1998	0.00	N	.10		
CHLORIDE	6/26/1992	5.00	Y	600		
CHLORIDE	3/23/1993	20.00	Y	600		
CHLORIDE	6/15/1994	7.00	Y	600		
CHLORIDE	6/29/1998	4.00	Y	600		
CHLORIDE	5/29/2001	4.00	Y	600		
CHLOROBENZENE	6/26/1992	0.00	N	NA		
CHLOROFORM	6/26/1992	47.00	Y	NA		
CHLOROMETHANE	6/26/1992	0.00	N	NA		
CHLOROTHALONIL	6/29/1998	0.00	N	NA		
CHROMIUM (TOTAL)	6/26/1992	< 10.00	N	50.0		
CHROMIUM (TOTAL)	3/23/1993	< 10.00	N	50.0		
CHROMIUM (TOTAL)	6/15/1994	< 10.00	N	50.0		
CHROMIUM (TOTAL)	6/29/1998	< 10.00	N	50.0		

Source Name: BERRYESSA LAKE INTAKE Source #: 001

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
CHROMIUM (TOTAL)	6/29/2001	1.10	N	50.0		
CIS 1,2 DICHLOROETHYLENE	6/26/1992	0.01	N	6.00		
COLOR	6/26/199.	9.00	Y	15.0		
COLOR	8/15/1994	17.00	Y	15.0		
COLOR	6/29/1998	< 3.00	N	15.0		
COLOR	5/29/2001	5.00	Y	15.0		
COPPER	6/26/1992	< 50.00	N	1000		
COPPER	3/23/1993	< 50.00	N	1000		
COPPER	8/15/1994	< 50.00	N	1000		
COPPER	6/29/1998	< 50.00	N	1000		
COPPER	5/29/2001	< 50.00	N	1000		
DALAPON	6/29/1998	0.00	N	200		
DALAPON	5/29/2001	0.00	N	200		
DIAZINON	6/29/1998	0.00	N	NA		
DIBROMOCHLOROMETHANE	6/26/1992	3.00	Y	NA		
DIBROMOMETHANE	6/26/199.	0.00	N	NA		
DICAMBA	6/29/1998	0.00	N	NA		
DICAMBA	5/29/2001	0.00	N	NA		
DICHLORODIFLUOROMETHANE	6/26/1992	0.00	N	NA		
DICHLOROMETHANE	6/26/1992	0.00	N	5.00		
DIELDRIN	6/29/1998	0.00	N	NA		
DIMETHOATE	6/29/1998	0.00	N	NA		
DINOSEB	6/29/1998	0.00	N	7.00		
DINOSEB	5/29/2001	0.00	N	7.00		
DIQUAT	6/29/1998	0.00	N	20.0		
DIQUAT	5/29/2001	0.00	N	20.0		
DIURON	6/29/1998	0.00	N	NA		
ENDOTHALL	6/29/1998	0.00	N	100		
ENDOTHALL	5/29/2001	0.00	N	100		
ENDRIN	6/29/1998	0.00	N	2.00		
ETHYL BENZENE	6/26/1992	0.00	N	700		
ETHYL BENZENE	6/24/2002	< 0.50	N	700		
ETHYLENE DIBROMIDE	6/29/1998	0.00	N	.05		
FLUORIDE (TEMPERATURE DEPENDENT)	6/26/1992	< 0.10	N	1.40		
FLUORIDE (TEMPERATURE DEPENDENT)	3/23/1993	< 0.10	N	1.40		
FLUORIDE (TEMPERATURE DEPENDENT)	8/15/1994	< 0.10	N	1.40		
FLUORIDE (TEMPERATURE DEPENDENT)	6/29/1998	< 0.10	N	1.40		
FLUORIDE (TEMPERATURE DEPENDENT)	5/29/2001	0.16	Y	1.40		
FOAMING AGENTS (MBAS)	6/26/1992	< 0.05	N	500		
FOAMING AGENTS (MBAS)	3/23/1993	0.05	Y	500		
FOAMING AGENTS (MBAS)	8/15/1994	< 0.05	N	500		
FOAMING AGENTS (MBAS)	6/29/1998	< 0.05	N	500		
FOAMING AGENTS (MBAS)	5/29/2001	< 0.05	N	500		
HEPTACHLOR	6/29/1998	0.00	N	.01		
HEPTACHLOR EPOXIDE	6/29/1998	0.00	N	.01		
HEXACHLOROBENZENE	6/29/1998	0.00	N	1.00		
HEXACHLOROBUTADIENE	6/26/1992	0.00	N	NA		
HEXACHLOROCYCLOPENTADIENE	6/29/1998	0.00	N	50.0		
HYDROXIDE	6/26/1992	< 1.00	N	NA		
HYDROXIDE	3/23/1993	< 1.00	N	NA		
HYDROXIDE	8/15/1994	< 1.00	N	NA		
HYDROXIDE	6/29/1998	< 1.00	N	NA		
HYDROXIDE	5/29/2001	< 1.00	N	NA		
IRON	6/26/1992	< 100.00	N	300		
IRON	3/23/1993	< 100.00	N	300		
IRON	8/15/1994	300.00	Y	300		
IRON	6/29/1998	240.00	Y	300		
IRON	5/29/2001	< 100.00	N	300		

Source Name: **BERRYESSA LAKE INTAKE** Source #: 001

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
ISOPROPYLBENZENE	6/26/1992	0.00	N	NA		
LAB TURBIDITY	6/26/1992	2.27	Y	5.00		
LAB TURBIDITY	8/15/1994	1.00	Y	5.00		
LAB TURBIDITY	6/29/1998	4.50	Y	5.00		
LAB TURBIDITY	5/29/2001	[illegible]	Y	5.00		
LEAD	6/26/1992	< 5.00	N	50.0		
LEAD	3/23/1993	< 5.00	N	50.0		
LEAD	8/15/1994	100.00	Y	50.0		
LEAD	6/29/1998	< 5.00	N	50.0		
LEAD	5/29/2001	< 5.00	N	50.0		
LINDANE (GAMMA BHC)	6/29/1998	0.00	N	.20		
M,P XYLENE	6/26/1992	0.00	N	1750		
MAGNESIUM	6/26/1992	12.00	Y	NA		
MAGNESIUM	3/23/1993	29.00	Y	NA		
MAGNESIUM	8/15/1994	37.00	Y	NA		
MAGNESIUM	6/29/1998	25.00	Y	NA		
MAGNESIUM	5/29/2001	35.00	Y	NA		
MANGANESE	6/26/1992	< 30.00	N	50.0		
MANGANESE	3/23/1993	< 30.00	N	50.0		
MANGANESE	8/15/1994	< 30.00	N	50.0		
MANGANESE	6/29/1998	< 30.00	N	50.0		
MANGANESE	5/29/2001	< 30.00	N	50.0		
MERCURY	6/26/1992	< 1.00	N	2.00		
MERCURY	3/23/1993	< 1.00	N	2.00		
MERCURY	8/15/1994	< 1.00	N	2.00		
MERCURY	6/29/1998	< 1.00	N	2.00		
MERCURY	5/29/2001	< 1.00	N	2.00		
METHOMYL	5/29/2001	0.00	N	NA		
METHOXYCHLOR	6/29/1998	0.00	N	40.0		
METHYL TERT BUTYL ETHER (MTBE)	6/29/1998	0.00	N	NA		
METHYL TERT-BUTYL ETHER (MTBE)	5/29/2001	0.00	N	NA		
METHYL TERT-BUTYL ETHER (MTBE)	6/24/2002	< 3.00	N	NA		
METOLACHLOR	6/29/1998	0.00	N	NA		
METRIBUZIN	6/29/1998	0.00	N	NA		
MOLINATE	6/29/1998	0.00	N	20.0		
MONOCHLOROBENZENE	6/26/1992	0.00	N	70.0		
N-BUTYLBENZENE	6/26/1992	0.00	N	NA		
NAPHTHALENE	6/26/1992	0.00	N	NA		
NICKEL	6/29/1998	< 10.00	N	100		
NICKEL	5/29/2001	< 10.00	N	100		
NITRATE (AS NO3)	6/26/1992	< 0.40	N	45.0		
NITRATE (AS NO3)	3/23/1993	0.40	N	45.0		
NITRATE (AS NO3)	8/15/1994	0.40	N	45.0		
NITRATE (AS NO3)	6/29/1998	< 4.50	N	45.0		
NITRATE (AS NO3)	5/29/2001	3.10	Y	45.0		
NITRITE (N)	6/29/1998	< 10.00	N	1000		
NITRITE (N)	5/29/2001	< 10.00	N	1000		
O-XYLENE	6/26/1992	0.00	N	1750		
ODOR THRESHOLD @ 60 C	6/26/1992	2.00	Y	3.00		
ODOR THRESHOLD @ 60 C	8/15/1994	2.00	Y	3.00		
ODOR THRESHOLD @ 60 C	6/29/1998	< 1.00	N	3.00		
ODOR THRESHOLD @ 60 C	5/29/2001	< 1.00	N	3.00		
OXAMYL	6/29/1998	0.00	N	200		
OXAMYL	5/29/2001	0.00	N	200		
P-ISOPROPYLTOLUENE	6/26/1992	0.00	N	NA		
PENTACHLOROPHENOL	6/29/1998	0.00	N	1.00		
PENTACHLOROPHENOL	5/29/2001	0.00	N	1.00		
PH (LABORATORY)	6/26/1992	[illegible]	Y	NA		

Service Name: **BERRYESSA LAKE INTAKE** Source #: 001

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
PH (LABORATORY)	3/23/1993	7.70	Y	NA		
PH (LABORATORY)	6/15/1994	9.80	Y	NA		
PH (LABORATORY)	6/29/1998	8.00	Y	NA		
PH (LABORATORY)	5/29/2001	9.20	Y	NA		
PICLORAM	6/29/1998	0.00	N	500		
PICLORAM	5/29/2001	0.00	N	500		
POTASSIUM	6/26/1992	< 1.00	N	NA		
POTASSIUM	3/23/1993	1.10	Y	NA		
POTASSIUM	6/15/1994	1.70	Y	NA		
PROMETRYN	6/29/1998	0.00	N	NA		
PROPACHLOR	6/29/1998	0.00	N	NA		
SEC BUTYLBENZENE	6/26/1992	0.00	N	NA		
SELENIUM	6/26/1992	< 5.00	N	50.0		
SELENIUM	3/23/1993	< 5.00	N	50.0		
SELENIUM	6/15/1994	< 5.00	N	50.0		
SELENIUM	6/29/1998	< 5.00	N	50.0		
SELENIUM	5/29/2001	< 5.00	N	50.0		
SILVER	6/26/1992	< 10.00	N	100		
SILVER	3/23/1993	< 10.00	N	100		
SILVER	6/15/1994	< 10.00	N	100		
SILVER	6/29/1998	< 10.00	N	100		
SILVER	5/29/2001	< 10.00	N	100		
SIMAZINE	6/29/1998	0.00	N	4.00		
SIMAZINE	5/29/2001	0.00	N	4.00		
SODIUM	6/26/1992	11.00	Y	NA		
SODIUM	3/23/1993	9.20	Y	NA		
SODIUM	6/15/1994	12.00	Y	NA		
SODIUM	6/29/1998	12.00	Y	NA		
SODIUM	5/29/2001	11.00	Y	NA		
SPECIFIC CONDUCTANCE	6/26/1992	360.00	Y	2200		
SPECIFIC CONDUCTANCE	3/23/1993	340.00	Y	2200		
SPECIFIC CONDUCTANCE	6/15/1994	360.00	Y	2200		
SPECIFIC CONDUCTANCE	6/29/1998	310.00	Y	2200		
SPECIFIC CONDUCTANCE	5/29/2001	350.00	Y	2200		
STYRENE	6/26/1992	0.00	N	100		
SULFATE	6/26/1992	6.00	Y	600		
SULFATE	3/23/1993	12.00	Y	600		
SULFATE	6/15/1994	22.00	Y	600		
SULFATE	6/29/1998	23.00	Y	600		
SULFATE	5/29/2001	19.00	Y	600		
TERT BUTYLBENZENE	6/26/1992	0.00	N	NA		
TETRACHLOROETHYLENE	6/26/1992	0.00	N	5.00		
THALLIUM	6/29/1998	< 2.00	N	2.00		
THALLIUM	5/29/2001	< 1.00	N	2.00		
THIOBENCARB	6/29/1998	0.00	N	1.00		
TOLUENE	6/26/1992	0.00	N	150		
TOLUENE	6/24/2002	< 0.50	N	150		
TOTAL ALKALINITY (AS CACO3)	6/26/1992	140.00	Y	NA		
TOTAL ALKALINITY (AS CACO3)	3/23/1993	130.00	Y	NA		
TOTAL ALKALINITY (AS CACO3)	6/15/1994	140.00	Y	NA		
TOTAL ALKALINITY (AS CACO3)	6/29/1998	120.00	Y	NA		
TOTAL ALKALINITY (AS CACO3)	5/29/2001	150.00	Y	NA		
TOTAL ALPHA	3/23/1993	0.00	N	15.0		
TOTAL ALPHA	6/29/1998	3.51	Y	15.0		
TOTAL ALPHA	10/8/1999	3.00	Y	15.0		
TOTAL ALPHA	6/24/2002	3.51	Y	15.0		
TOTAL ALPHA COUNTING ERROR	3/23/1993	3.32	Y	NA		
TOTAL ALPHA COUNTING ERROR	6/29/1998	3.33	Y	NA		

System Name: BERRYESSA LAKE INTAKE Source #: 001

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
GROSS ALPHA COUNTING ERROR	11/6/1989	3.00	Y	NA		
GROSS ALPHA COUNTING ERROR	6/14/1994	1.49	Y	NA		
TOTAL FILTERABLE RESIDUE	6/26/1992	120.00	Y	1000		
TOTAL FILTERABLE RESIDUE	7/23/1993	190.00	Y	1000		
TOTAL FILTERABLE RESIDUE	6/15/1994	240.00	Y	1000		
TOTAL FILTERABLE RESIDUE	6/29/1998	220.00	Y	1000		
TOTAL FILTERABLE RESIDUE	6/29/2001	210.00	Y	1000		
TOTAL HARDNESS (AS CACO3)	6/26/1992	190.00	Y	NA		
TOTAL HARDNESS (AS CACO3)	7/23/1993	250.00	Y	NA		
TOTAL HARDNESS (AS CACO3)	6/15/1994	210.00	Y	NA		
TOTAL HARDNESS (AS CACO3)	6/29/1998	250.00	Y	NA		
TOTAL HARDNESS (AS CACO3)	6/29/2001	260.00	Y	NA		
TOTAL TRIHALOMETHANES	6/26/1992	66.00	Y	100		
TOXAPHENE	6/29/1998	0.00	N	3.00		
TRANS 1,2-DICHLOROETHYLENE	6/26/1992	0.00	N	10.0		
TRICHLOROETHYLENE	6/26/1992	0.00	N	5.00		
TRICHLOROFLUOROMETHANE	6/26/1992	0.00	N	150		
VINYL CHLORIDE	6/26/1992	0.00	N	50		
XYLENES (TOTAL)	6/26/1992	0.00	N	1750		
XYLENES (TOTAL)	6/24/2002	< 0.50	N	1750		
ZINC	6/26/1992	< 50.00	N	5000		
ZINC	7/23/1993	60.00	Y	5000		
ZINC	6/15/1994	500.00	Y	5000		
ZINC	6/25/1995	< 50.00	N	5000		
ZINC	6/29/2001	< 50.00	N	5000		

All Source Chemical Monitoring

Date of report: 7/31/2002

System Name: U.S. Bureau of Reclamation-Lk. Berryessa

Source Name: LAKE BERRYESSA INTAKE - RAW Source #: 001

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
2,4,5 TP (SILVEX)	11/10/1992	0.00	N	50.0		
2,4 D	11/10/1992	0.00	N	70.0		
ALUMINUM	11/10/1992	< 50.00	N	1000		
ARSENIC	11/10/1992	< 4.00	N	50.0		
BARIUM	11/10/1992	73.00	N	1000		
BICARBONATE	11/10/1992	220.00	Y	NA		
CADMIUM	11/10/1992	< 0.10	N	5.00		
CALCIUM	11/10/1992	22.00	Y	NA		
CARBONATE	11/10/1992	1.20	Y	NA		
CHLORIDE	11/10/1992	7.60	Y	600		
CHROMIUM (TOTAL)	11/10/1992	< 10.00	N	50.0		
COLOR	11/10/1992	4.00	Y	15.0		
COPPER	11/10/1992	< 20.00	N	1000		
ENDRIN	11/10/1992	0.00	N	2.00		
FLUORIDE (TEMPERATURE DEPENDENT)	11/10/1992	< 0.10	N	1.40		
FOAMING AGENTS (MBAS)	11/10/1992	< 0.01	N	500		
HYDROXIDE	11/10/1992	< 0.20	N	NA		
IRON	11/10/1992	< 30.00	N	300		
LAS TURBIDITY	11/10/1992	8.40	Y	5.00		
LEAD	11/10/1992	1.50	N	50.0		
LINDANE (GAMMA-BHC)	11/10/1992	0.00	N	20		
MAGNESIUM	11/10/1992	35.00	Y	NA		
MANGANESE	11/10/1992	< 10.00	N	50.0		
MERCURY	11/10/1992	< 0.20	N	2.00		
METHOXYCHLOR	11/10/1992	0.00	N	40.0		
NITRATE (AS NO3)	11/10/1992	< 1.00	N	45.0		
NITRATE (AS NO3)	4/18/2000	16.00	Y	45.0		
ODOR THRESHOLD @ 60 C	11/10/1992	< 1.00	N	3.00		
PH (LABORATORY)	11/10/1992	8.10	Y	NA		
POTASSIUM	11/10/1992	1.90	Y	NA		
SELENIUM	11/10/1992	< 1.00	N	50.0		
SILVER	11/10/1992	< 10.00	N	100		
SODIUM	11/10/1992	8.90	Y	NA		
SPECIFIC CONDUCTANCE	11/10/1992	388.00	Y	2200		
SULFATE	11/10/1992	20.00	Y	600		
TOTAL ALKALINITY (AS CACO3)	11/10/1992	180.00	Y	NA		
TOTAL ALPHA	11/10/1992	0.00	N	15.0		
TOTAL ALPHA COUNTING ERROR	11/10/1992	0.40	Y	NA		
TOTAL BETA	11/10/1992	2.40	N	50.0		
TOTAL BETA COUNTING ERROR	11/10/1992	0.60	Y	NA		
TOTAL DISSOLVED SOLIDS	11/10/1992	240.00	Y	1000		
TOTAL HARDNESS (AS CACO3)	11/10/1992	150.00	Y	NA		
TOXAPHENE	11/10/1992	0.00	N	1.00		
ZINC	11/10/1992	< 10.00	N	5000		

All Source Chemical Monitoring

Date of request: 7/31/2002

System Name: Napa County Public Works-LBRID

Source Name: LAKE BERRYESSA - RAW Source #: 001

Chemical	Date	Result	Positive Detect?	MCL	Units	Notes
1,1,1,2-TETRACHLOROETHANE	6/29/1998	0.00	N	1.00		
1,1,1-TRICHLOROETHANE	6/29/1998	0.00	N	200		
1,1,2,2 TETRACHLOROETHANE	6/29/1998	0.00	N	1.00		
1,1,2 TRICHLORO-1,2,2 TRIFLUOROETHANE	6/29/1998	0.00	N	1200		
1,1,2 TRICHLOROETHANE	6/29/1998	0.00	N	5.00		
1,1-DICHLOROPROPENE	6/29/1998	0.00	N	5.00	UG/L	
1,1 DICHLOROETHYLENE	6/29/1998	0.00	N	6.00		
1,3-DICHLOROPROPENE	6/29/1998	0.00	N	NA		
1,2,3 TRICHLOROBENZENE	6/29/1998	0.00	N	NA		
1,2,3 TRICHLOROPROPANE	6/29/1998	0.00	N	NA		
1,2,4-TRICHLOROBENZENE	6/29/1998	0.00	N	5.0		
1,2,4 TRIMETHYLBENZENE	6/29/1998	0.00	N	NA		
1,2 DICHLOROBENZENE	6/29/1998	0.00	N	600		
1,2-DICHLOROETHANE	6/29/1998	0.00	N	.50		
1,2 DICHLOROPROPANE	6/29/1998	0.00	N	5.00		
1,3,5 TRIMETHYLBENZENE	6/29/1998	0.00	N	NA		
1,3 DICHLOROBENZENE	6/29/1998	0.00	N	NA		
1,3 DICHLOROPROPANE	6/29/1998	0.00	N	NA		
1,3 DICHLOROPROPENE (TOTAL)	6/29/1998	0.00	N	.50		
4 DICHLOROBENZENE	6/29/1998	0.00	N	5.00		
-PHENYLPROPANE (PROPYLBENZENE)	6/29/1998	0.00	N	NA		
2,2 DICHLOROPROPANE	6/29/1998	0.00	N	NA		
2,4,5 TP (SILVEX)	6/29/1998	0.00	N	50.0		
2,4,5 TP (SILVEX	6/29/2001	0.00	N	50.0		
2,4-D	6/29/1998	0.00	N	70.0		
2,4 D	6/29/2001	0.00	N	70.0		
2-CHLOROTOLUENE	6/29/1998	0.00	N	NA		
3-HYDROXYCARBOFURAN	6/29/2001	0.00	N	NA		
4 CHLOROTOLUENE	6/29/1998	0.00	N	NA		
AGGRESSIVENESS INDEX	6/29/1998	12.00	Y	NA		
AGGRESSIVENESS INDEX	6/29/2001	12.00	Y	NA		
ALACHLOR	6/29/1998	0.00	N	2.00		
ALDICARB	6/29/2001	0.00	N	NA		
ALDICARB SULFONE	6/29/2001	0.00	N	NA		
ALDICARB SULFOXIDE	6/29/2001	< 0.00	N	NA		
ALDRIN	6/29/1998	0.00	N	NA		
ALUMINUM	6/29/1998	130.00	Y	1000		
ALUMINUM	6/29/2001	240.00	Y	1000		
ANTIMONY	6/29/1998	< 6.00	N	6.00		
ANTIMONY	6/29/2001	< 6.00	N	6.00		
ARSENIC	6/29/1998	< 1.00	N	50.0		
ARSENIC	6/29/2001	< 1.00	N	50.0		
ASBESTOS	6/29/1998	< 0.20	N	7.00		
BARIUM	6/29/1998	0.00	N	1.00		
ATRAZINE	6/29/2001	0.00	N	1.00		
BARIUM	6/29/1998	< 100.00	N	1000		
BARIUM	6/29/2001	< 100.00	N	1000		
BENTAZON	6/29/1998	0.00	N	10.0		
BENTAZON	6/29/2001	0.00	N	18.0		
BERYLLIUM	6/29/1998	< 1.00	N	1.00		
BERYLLIUM	6/29/1998	< 1.00	N	4.00		
BERYLLIUM	6/29/2001	< 1.00	N	4.00		

Source Name: **LAKE BERRYESSA - RAW** Source #: **001**

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
BICARBONATE	6/29/1998	100.00	Y	NA		
BICARBONATE	5/29/2001	130.00	Y	NA		
BROMACIL	6/29/1998	0.00	N	NA		
BROMOBENZENE	6/29/1998	0.00	N	NA		
BROMODICHLOROMETHANE	6/29/1998	0.00	N	NA		
BROMODICHLOROMETHANE	6/29/1998	0.00	N	NA		
BROMOFORM	6/29/1998	0.00	N	NA		
BROMOMETHANE	6/29/1998	0.00	N	NA		
BUTACHLOR	6/29/1998	0.00	N	NA		
CADMIUM	6/29/1998	< 1.00	N	5.00		
CADMIUM	5/29/2001	< 1.00	N	5.00		
CALCIUM	6/29/1998	21.00	Y	NA		
CALCIUM	5/29/2001	28.00	Y	NA		
CARBARYL	6/29/1998	0.00	N	NA		
CARBOFURAN	6/29/1998	0.00	N	18.0		
CARBON TETRACHLORIDE	6/29/1998	0.00	N	.50		
CARBONATE	6/29/1998	< 1.00	N	NA		
CARBONATE	5/29/2001	< 1.00	N	NA		
CHLORDANE	6/29/1998	0.00	N	.10		
CHLORIDE	6/29/1998	6.50	Y	600		
CHLORIDE	5/29/2001	8.70	Y	600		
CHLOROETHANE	6/29/1998	0.00	N	NA		
CHLOROFORM	6/29/1998	0.00	N	NA		
CHLOROMETHANE	6/29/1998	0.00	N	NA		
CHLOROTHALONIL	6/29/1998	0.00	N	NA		
CHROMIUM (TOTAL)	6/29/1998	< 10.00	N	50.0		
CHROMIUM (TOTAL)	5/29/2001	1.50	N	50.0		
CIS 1,2 DICHLOROETHYLENE	6/29/1998	0.00	N	6.00		
COLOR	6/29/1998	3.00	Y	15.0		
COLOR	5/29/2001	20.00	Y	15.0		
COPPER	6/29/1998	< 50.00	N	1000		
COPPER	5/29/2001	< 50.00	N	1000		
DALAPON	6/29/1998	0.00	N	200		
DALAPON	5/29/2001	0.00	N	200		
DIAZINON	6/29/1998	0.00	N	NA		
DIBROMOCHLOROMETHANE	6/29/1998	0.00	N	NA		
DIBROMOMETHANE	6/29/1998	0.00	N	NA		
DICAMBA	6/29/1998	0.00	N	NA		
DICAMBA	5/29/2001	0.00	N	NA		
DICHLORODIFLUOROMETHANE	6/29/1998	0.00	N	NA		
DICHLOROMETHANE	6/29/1998	0.00	N	5.00		
DIELDRIN	6/29/1998	0.00	N	NA		
DIMETHOATE	6/29/1998	0.00	N	NA		
DINOSEB	6/29/1998	0.00	N	7.00		
DINOSEB	5/29/2001	0.00	N	7.00		
DIQUAT	6/29/1998	0.00	N	20.0		
DIQUAT	5/29/2001	0.00	N	20.0		
DIURON	6/29/1998	0.00	N	NA		
ENDOTHALL	6/29/1998	0.00	N	100		
ENDOTHALL	5/29/2001	0.00	N	100		
ENDRIN	6/29/1998	0.00	N	2.00		
ETHYL BENZENE	6/29/1998	0.00	N	700		
ETHYLENE DIBROMIDE	6/29/1998	0.00	N	.05		
FLUORIDE (TEMPERATURE DEPENDENT)	6/29/1998	< 0.10	N	2.00		
FLUORIDE (TEMPERATURE DEPENDENT)	5/29/2001	0.17	Y	2.00		
FOAMING AGENTS (MBAS)	6/29/1998	< 0.05	N	500		
FOAMING AGENTS (MBAS)	5/29/2001	< 0.05	N	500		
HEPTACHLOR	6/29/1998	0.00	N	.01		

System Name: **LAKE BERRYESSA - RAW** System No: 001

Chemical	Date	Result	Possible detect?	MCL	Units	Notes
METOLACHLOR ESA/OXA	6/29/1998	0.00	N	0.1		
METRIBUZIN	6/29/1998	0.00	N	1.00		
MOLINATE	6/29/1998	0.00	N	NA		
MONOCHLOROBENZENE	6/29/1998	0.00	N	70.0		
N-BUTYLBENZENE	6/29/1998	0.00	N	NA		
NAPHTHALENE	6/29/1998	0.00	N	NA		
NICKEL	6/29/1998	< 10.00	N	100		
NICKEL	5/29/2001	< 10.00	N	100		
NITRATE (AS NO3)	6/29/1998	< 4.50	N	45.0		
NITRATE (AS NO3)	5/29/2001	1.10	Y	45.0		
NITRITE (N)	6/29/1998	< 10.00	N	1000		
NITRITE (N)	5/29/2001	< 10.00	N	1000		
OXYFLUORFEN	6/29/1998	0.00	N	1750		
ODOR THRESHOLD @ 60 C	6/29/1998	2.00	Y	3.00		
ODOR THRESHOLD @ 60 C	5/29/2001	2.00	Y	3.00		
OXAMYL	6/29/1998	0.00	N	200		
OXAMYL	5/29/2001	0.00	N	200		
P-ISOPROPYLTOLUENE	6/29/1998	0.00	N	NA		
PENTACHLOROPHENOL	6/29/1998	0.00	N	1.00		
PENTACHLOROPHENOL	5/29/2001	0.00	N	1.00		
PH (LABORATORY)	6/29/1998	7.90	Y	NA		
PH (LABORATORY)	5/29/2001	7.10	Y	NA		
PICLORAM	6/29/1998	0.00	N	500		
PICLORAM	5/29/2001	< 92	N	500		
PRONAMIDE	6/29/1998	0.00	N	NA		
PROPACHLOR	6/29/1998	0.00	N	NA		
SEC-BUTYLBENZENE	6/29/1998	0.00	N	NA		
SELENIUM	6/29/1998	< 1.00	N	50.0		
SELENIUM	5/29/2001	< 1.00	N	50.0		
SILVER	6/29/1998	< 2.00	N	100		
SILVER	5/29/2001	< 10.00	N	100		
SIMAZINE	6/29/1998	0.00	N	4.00		
SIMAZINE	5/29/2001	0.00	N	4.00		

Source Name: **LAKE BERRYESSA - RAW** Source #: **001**

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
SODIUM	6/29/1998	13.00	Y	NA		
SODIUM	5/29/2001	12.00	Y	NA		
SPECIFIC CONDUCTANCE	6/29/1998	490.00	Y	2700		
SPECIFIC CONDUCTANCE	5/29/2001	520.00	Y	2200		
STYRENE	6/29/1998	0.00	N	100		
SULFATE	6/29/1998	22.00	Y	600		
SULFATE	5/29/2001	17.00	N	600		
TERT-BUTYLBENZENE	6/29/1998	0.00	N	NA		
TETRACHLOROETHYLENE	6/29/1998	0.00	N	5.00		
THALLIUM	6/29/1998	< 2.00	N	2.00		
THALLIUM	5/29/2001	< 1.00	N	2.00		
TRICHLOROFLUOROMETHANE	6/29/1998	0.00	N	1.00		
TOLUENE	6/29/1998	0.00	N	150		
TOTAL ALKALINITY (AS CACO3)	6/29/1998	240.00	Y	NA		
TOTAL ALKALINITY (AS CACO3)	5/29/2001	270.00	Y	NA		
TOTAL ALPHA	6/29/1998	2.16	N	15.0		
TOTAL ALPHA	2/22/1999	1.65	Y	15.0		
TOTAL ALPHA	12/31/1999	1.01	Y	15.0		
TOTAL ALPHA	6/24/2002	1.45	N	15.0		
TOTAL ALPHA COUNTING ERROR	6/29/1998	0.54	Y	NA		
TOTAL ALPHA COUNTING ERROR	2/22/1999	0.83	Y	NA		
TOTAL ALPHA COUNTING ERROR	12/31/1999	0.46	Y	NA		
TOTAL ALPHA COUNTING ERROR	6/24/2002	0.82	Y	NA		
TOTAL FILTERABLE RESIDUE	6/29/1998	270.00	Y	1500		
TOTAL FILTERABLE RESIDUE	5/29/2001	320.00	Y	1500		
TOTAL HARDNESS (AS CACO3)	6/29/1998	260.00	Y	NA		
TOTAL HARDNESS (AS CACO3)	5/29/2001	260.00	Y	NA		
TOTAL TRIHALOMETHANES	6/29/1998	0.00	N	100		
TOXAPHENE	6/29/1998	0.00	N	3.00		
TRANS 1,2 DICHLOROETHYLENE	6/29/1998	0.00	N	10.0		
TRICHLOROETHYLENE	6/29/1998	0.00	N	5.00		
TRICHLOROFLUOROMETHANE	6/29/1998	0.00	N	150		
VINYL CHLORIDE	6/29/1998	0.00	N	50		
XYLENES (TOTAL)	6/29/1998	0.00	N	1750		
ZINC	6/29/1998	< 50.00	N	5000		
ZINC	5/29/2001	< 50.00	N	5000		

All Source Chemical Monitoring

Date of report: 7/31/2002

System Name: **Berryessa Pines Water System**

Source Name: **LAKE BERRYESSA INTAKE - RAW** Source #: 002

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
1,1,1,2-TETRACHLOROETHANE	3/10/1999	0.00	N	1.00		
1,1,2,2-TETRACHLOROETHANE	9/17/1999	0.00	N	1.00		
1,1,1-TRICHLOROETHANE	3/10/1992	0.00	N	200		
1,1,1-TRICHLOROETHANE	9/17/1999	0.00	N	200		
1,1,2,2-TETRACHLOROETHANE	3/10/1992	0.00	N	1.00		
1,1,2,2-TETRACHLOROETHANE	9/17/1999	0.00	N	1.00		
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	3/10/1992	0.00	N	1200		
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	9/17/1999	0.00	N	1200		
1,1,2-TRICHLOROETHANE	3/10/1992	0.00	N	5.00		
1,1,2-TRICHLOROETHANE	9/17/1999	0.00	N	5.00		
1,1-DICHLOROETHANE	3/10/1992	0.00	N	5.00	UG/L	
1,1-DICHLOROETHANE	9/17/1999	0.00	N	5.00	UG/L	
1,1-DICHLOROETHYLENE	3/10/1992	0.00	N	6.00		
1,1-DICHLOROETHYLENE	9/17/1999	0.00	N	6.00		
1,1-DICHLOROPROPENE	3/10/1992	0.00	N	NA		
1,1-DICHLOROPROPENE	9/17/1999	0.00	N	NA		
1,2,3-TRICHLOROBENZENE	3/10/1992	0.00	N	NA		
1,2,3-TRICHLOROBENZENE	9/17/1999	0.00	N	NA		
1,2,3-TRICHLOROPROPANE	3/10/1992	0.00	N	NA		
1,2,3-TRICHLOROPROPANE	9/17/1999	0.00	N	NA		
1,2,4-TRICHLOROBENZENE	3/10/1992	0.00	N	70.0		
1,2,4-TRICHLOROBENZENE	9/17/1999	0.00	N	70.0		
1,2,4-TRIMETHYLBENZENE	3/10/1992	0.00	N	NA		
1,2,4-TRIMETHYLBENZENE	9/17/1999	0.00	N	NA		
1,2-DICHLOROBENZENE	3/10/1992	0.00	N	600		
1,2-DICHLOROBENZENE	9/17/1999	0.00	N	600		
1,2-DICHLOROETHANE	3/10/1992	0.00	N	50		
1,2-DICHLOROETHANE	9/17/1999	0.00	N	50		
1,2-DICHLOROPROPANE	3/10/1992	0.00	N	5.00		
1,2-DICHLOROPROPANE	9/17/1999	0.00	N	5.00		
1,2,4-TRIMETHYLBENZENE	3/10/1992	0.00	N	NA		
1,2,4-TRIMETHYLBENZENE	9/17/1999	0.00	N	NA		
1,3-DICHLOROBENZENE	3/10/1992	0.00	N	NA		
1,3-DICHLOROBENZENE	9/17/1999	0.00	N	NA		
1,3-DICHLOROPROPANE	3/10/1992	0.00	N	NA		
1,3-DICHLOROPROPANE	9/17/1999	0.00	N	NA		
1,3-DICHLOROPROPENE (TOTAL)	3/10/1992	0.00	N	.50		
1,3-DICHLOROPROPENE (TOTAL)	9/17/1999	0.00	N	.50		
1,4-DICHLOROBENZENE	3/10/1992	0.00	N	7.00		
1,4-DICHLOROBENZENE	9/17/1999	0.00	N	5.00		
1-PHENYLPROPANE (PROPYLBENZENE)	3/10/1992	0.00	N	NA		
1-PHENYLPROPANE (PROPYLBENZENE)	9/17/1999	0.00	N	NA		
2,2-DICHLOROPROPANE	3/10/1992	0.00	N	NA		
2,2-DICHLOROPROPANE	9/17/1999	0.00	N	NA		
2,4,5-TP (SILVEX)	9/17/1999	0.50	N	50.0		
2,4-D	9/17/1999	0.50	N	70.0		
2-CHLOROETHYLVINYL ETHER	3/10/1992	0.00	N	NA		
2-CHLOROTOLUENE	3/10/1992	0.00	N	NA		
2-CHLOROTOLUENE	9/17/1999	0.00	N	NA		
4-CHLOROTOLUENE	3/10/1992	0.00	N	NA		
4-CHLOROTOLUENE	9/17/1999	0.00	N	NA		

Source Name: LAKE BERRYESSA INTAKE - RAW Source #: 002

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
ETHYL BENZENE	3/18/1992	0.00	N	700		
ETHYL BENZENE	5/17/1999	0.00	N	700		
ETHYLENE DIBROMIDE	5/17/1999	< 0.02	N	.05		
FLUORIDE (TEMPERATURE DEPENDENT)	5/17/1999	< 0.10	N	2.40		
FOAMING AGENTS (MBAS)	5/17/1999	< 0.05	N	500		
HEPTACHLOR	5/17/1999	< 0.01	N	.01		
HEPTACHLOR EPOXIDE	5/17/1999	< 0.01	N	.01		
HEXACHLOROBENZENE	5/17/1999	< 0.01	N	1.00		
HEXACHLOROBUTADIENE	3/18/1992	0.00	N	NA		
HEXACHLOROBUTADIENE	5/17/1999	0.00	N	NA		
HEXACHLOROCYCLOPENTADIENE	5/17/1999	< 0.05	N	50.0		
HYDROXIDE	5/17/1999	< 1.00	N	NA		
IRON	5/17/1999	120.00	Y	300		
ISOPROPYLBENZENE	3/18/1992	0.00	N	NA		
ISOPROPYLBENZENE	5/17/1999	0.00	N	NA		
LAB TURBIDITY	5/17/1999	1.70	Y	5.00		
LEAD	5/17/1999	< 5.00	N	50.0		
LINDANE (GAMMA BHC)	5/17/1999	< 0.01	N	.20		
M,P XYLENE	3/18/1992	0.00	N	1750		
M,P XYLENE	5/17/1999	0.00	N	1750		
M XYLENE	5/17/1999	0.00	N	1750		
MAGNESIUM	5/17/1999	26.00	Y	NA		
MANGANESE	5/17/1999	< 20.00	N	50.0		
MERCURY	5/17/1999	< 1.00	N	2.00		
METHOXYCHLOR	5/17/1999	< 0.10	N	40.0		
METHYL TERT BUTYL ETHER (MTBE)	5/17/1999	< 3.00	N	NA		
MONOCHLOROBENZENE	3/18/1992	0.00	N	70.0		
MONOCHLOROBENZENE	5/17/1999	0.00	N	70.0		
N BUTYLBENZENE	3/18/1992	0.00	N	NA		
N BUTYLBENZENE	5/17/1999	0.00	N	NA		
NAPHTHALENE	3/18/1992	0.00	N	NA		
NAPHTHALENE	5/17/1999	0.00	N	NA		
NICKEL	5/17/1999	< 10.00	N	100		
NITRATE (AS NO3)	5/17/1999	< 2.00	N	45.0		
NITRITE (N)	5/17/1999	< 10.00	N	1000		
O XYLENE	3/18/1992	0.00	N	1750		
O XYLENE	5/17/1999	0.00	N	1750		
ODOR THRESHOLD @ 60 C	5/17/1999	2.00	Y	3.00		
OXAMYL	5/17/1999	< 5.00	N	200		
P ISOPROPYLTOLUENE	3/18/1992	0.00	N	NA		
P ISOPROPYLTOLUENE	5/17/1999	0.00	N	NA		
P XYLENE	5/17/1999	0.00	N	1750		
PENTACHLOROPHENOL	5/17/1999	< 0.10	N	1.00		
PH (LABORATORY)	5/17/1999	8.10	Y	NA		
PICLORAM	5/17/1999	< 1.00	N	500		
SEC BUTYLBENZENE	3/18/1992	0.00	N	NA		
SEC BUTYLBENZENE	5/17/1999	0.00	N	NA		
SELENIUM	5/17/1999	< 5.00	N	50.0		
SILVER	5/17/1999	< 10.00	N	100		
SIMAZINE	5/17/1999	< 0.07	N	4.00		
SODIUM	5/17/1999	10.00	Y	NA		
SPECIFIC CONDUCTANCE	5/17/1999	330.00	Y	2200		
STYRENE	3/18/1992	0.00	N	100		
STYRENE	5/17/1999	0.00	N	100		
SULFATE	5/17/1999	24.00	Y	600		
TERT BUTYLBENZENE	3/18/1992	0.00	N	NA		
TERT BUTYLBENZENE	5/17/1999	0.00	N	NA		
TETRACHLOROETHYLENE	3/18/1992	0.00	N	5.00		

System Name: LAKE BERRYESSA INTAKE - RAW Source #: 002

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
[illegible]	5/17/1999	12.00	Y	NA		
ALKALINITY	5/17/1999	< 5.00	N	5.00		
ALUMINUM	5/17/1999	< 0.05	N	NA		
ANTIMONY	5/17/1999	81.00	Y	1000		
ARSENIC	5/17/1999	< 4.00	N	6.00		
ASBESTOS	5/17/1999	< 1.00	N	50.0		
ATRAZINE	5/17/1999	< 0.26	N	7.00		
BARIUM	5/17/1999	< 0.10	N	1.00		
BENTAZON	5/17/1999	< 100.00	N	1000		
BENZENE	5/10/1999	< 2.00	N	19.0		
BERYLLIUM	5/17/1999	1.00	N	1.00		
BICARBONATE	5/17/1999	0.00	N	4.00		
BROMOBENZENE	5/18/1999	170.00	Y	NA		
BROMOCHLOROMETHANE	5/18/1999	0.00	N	NA		
BROMODICHLOROMETHANE	5/18/1999	0.00	N	NA		
BROMOFORM	5/18/1999	0.00	N	NA		
BROMOMETHANE	5/18/1999	0.00	N	NA		
BROMOMETHANE	5/18/1999	0.00	N	NA		
CADMIUM	5/18/1999	0.00	N	NA		
CALCIUM	5/18/1999	< 1.00	N	5.00		
CARBOFURAN	5/17/1999	17.00	Y	NA		
CARBON TETRACHLORIDE	5/17/1999	< 5.00	N	18.0		
CARBON TETRACHLORIDE	5/18/1999	0.00	N	.50		
CARBONATE	5/17/1999	0.00	N	.50		
CHLORDANE	5/17/1999	< 1.00	N	NA		
CHLORIDE	5/17/1999	< 0.10	N	.10		
CHLOROETHANE	5/18/1999	4.00	Y	600		
CHLOROETHANE	5/17/1999	0.00	N	NA		
CHLOROFORM	5/18/1999	0.00	N	NA		
CHLOROFORM	5/17/1999	0.00	N	NA		
CHLOROMETHANE	5/18/1999	0.00	N	NA		
CHLOROMETHANE	5/17/1999	0.00	N	NA		
CHROMIUM (TOTAL)	5/17/1999	< 10.00	N	50.0		
CIS-1,2-DICHLOROETHYLENE	5/18/1999	0.00	N	6.00		
CIS-1,3-DICHLOROPROPYLENE	5/17/1999	0.00	N	6.00		
COLOR	5/17/1999	< 3.00	N	15.0		
COPPER	5/17/1999	< 50.00	N	1000		
DALAPON	5/17/1999	< 0.00	N	700		
DIBROMOCHLOROMETHANE	5/18/1999	0.00	N	NA		
DIBROMOCHLOROPROPANE	5/17/1999	0.00	N	NA		
DIBROMOMETHANE	5/18/1999	0.00	N	NA		
DIBROMOMETHANE	5/17/1999	0.00	N	NA		
DICAMBA	5/17/1999	< 0.50	N	NA		
DICHLORODIFLUOROMETHANE	5/18/1999	0.00	N	NA		
DICHLOROFLUOROMETHANE	5/17/1999	0.00	N	NA		
DICHLOROMETHANE	5/18/1999	0.00	N	1.00		
DICHLOROMETHANE	5/17/1999	0.00	N	2.00		
DIQUAT	5/17/1999	< 0.01	N	NA		
ENDOTHALL	5/17/1999	< 1.00	N	7.00		
ENDRIN	5/17/1999	< 0.40	N	20.0		
EPTC	5/17/1999	< 45.00	N	.00		
ETHYLBENZENE	5/17/1999	< 0.01	N	1.00		

Source Name: **LAKE BERRYESSA INTAKE - RAW** Source #: 002

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
TETRACHLOROETHYLENE	5/17/1999	0.50	N	5.00		
THALLIUM	5/17/1999	< 1.00	N	2.00		
TOLUENE	3/18/1992	0.00	N	150		
TOLUENE	5/17/1999	0.50	N	150		
TOTAL ALKALINITY (AS CACO3)	5/17/1999	140.00	Y	NA		
TOTAL ALPHA	8/2/1993	< 1.00	N	15.0		
TOTAL ALPHA	2/4/1994	0.00	N	15.0		
TOTAL ALPHA	5/25/1994	0.00	N	15.0		
TOTAL ALPHA	5/17/1999	1.05	Y	15.0		
TOTAL ALPHA COUNTING ERROR	8/2/1993	1.01	Y	NA		
TOTAL ALPHA COUNTING ERROR	2/4/1994	1.00	Y	NA		
TOTAL ALPHA COUNTING ERROR	5/25/1994	1.00	Y	NA		
TOTAL ALPHA COUNTING ERROR	5/17/1999	0.46	Y	NA		
TOTAL FILTERABLE RESIDUE	5/17/1999	190.00	Y	1000		
TOTAL HARDNESS (AS CACO3)	5/17/1999	149.00	Y	NA		
TOTAL TRIHALOMETHANES	3/18/1992	0.00	N	100		
TOTAL TRIHALOMETHANES	5/17/1999	0.00	N	100		
TOXAPHENE	5/17/1999	< 0.50	N	3.00		
TRANS 1,2 DICHLOROETHYLENE	3/18/1992	0.00	N	10.0		
TRANS 1,2 DICHLOROETHYLENE	5/17/1999	0.00	N	10.0		
TRICHLOROETHYLENE	3/18/1992	0.00	N	5.00		
TRICHLOROETHYLENE	5/17/1999	0.00	N	5.00		
TRICHLOROFLUOROMETHANE	3/18/1992	0.00	N	150		
TRICHLOROFLUOROMETHANE	5/17/1999	0.00	N	150		
VINYL CHLORIDE	3/18/1992	0.00	N	.50		
VINYL CHLORIDE	5/17/1999	0.00	N	.50		
XYLENES (TOTAL)	3/18/1992	0.00	N	1750		
XYLENES (TOTAL)	5/17/1999	0.00	N	1750		
ZINC	5/17/1999	< 50.00	N	5000		

All Source Chemical Monitoring

Date of Report: 7/31/2002

System Name: Spanish Flat Water District

Source Name: LAKE BERRYESSA INTAKE Source #: 001

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
1,1,1,2-TETRACHLOROETHANE	5/17/1999	0.00	N	1.00		
1,1,1-TRICHLOROETHANE	5/17/1999	0.00	N	200		
1,1,2,2-TETRACHLOROETHANE	5/17/1999	0.00	N	1.00		
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5/17/1999	0.00	N	1200		
1,1,2-TRICHLOROETHANE	5/17/1999	0.00	N	5.00		
1,2-DICHLOROETHANE	5/17/1999	0.00	N	5.00	UG/L	
1,1-DICHLOROETHYLENE	5/17/1999	0.00	N	6.00		
1,1-DICHLOROPROPENE	5/17/1999	0.00	N	NA		
1,2,3-TRICHLOROBENZENE	5/17/1999	0.00	N	NA		
1,2,3-TRICHLOROPROPANE	5/17/1999	0.00	N	NA		
1,2,4-TRICHLOROBENZENE	5/17/1999	0.00	N	70.0		
1,2,4-TRIMETHYLBENZENE	5/17/1999	0.00	N	NA		
1,2-DICHLOROBENZENE	5/17/1999	0.00	N	600		
1,2-DICHLOROETHANE	5/17/1999	0.00	N	0.50		
1,2-DICHLOROPROPANE	5/17/1999	0.00	N	5.00		
1,3,5-TRIMETHYLBENZENE	5/17/1999	0.00	N	NA		
1,3-DICHLOROBENZENE	5/17/1999	0.00	N	NA		
1,3-DICHLOROPROPANE	5/17/1999	0.00	N	NA		
1,3-DICHLOROPROPENE (TOTAL)	5/17/1999	0.00	N	NA		
1,4-DICHLOROBENZENE	5/17/1999	0.00	N	5.00		
2,2-DICHLOROPROPANE (ISOPROPYLIDENE CHLORIDE)	5/17/1999	0.00	N	NA		
2,3-DICHLOROPROPENE	5/17/1999	0.00	N	NA		
2,4,5-TP (SILVEX)	5/17/1999	< 0.50	N	50.0		
2,4-D	5/17/1999	< 0.50	N	70.0		
2-CHLOROTOLUENE	5/17/1999	0.00	N	NA		
4-CHLOROTOLUENE	5/17/1999	0.00	N	NA		
AGGRESSIVENESS INDEX	5/17/1999	12.00	Y	NA		
ALACHLOR	5/17/1999	< 0.00	N	2.00		
ALDICARB	5/17/1999	< 0.00	N	NA		
ALUMINUM	4/20/1998	0.50	N	1000		
ALUMINUM	5/17/1999	260.00	Y	1000		
ANTIMONY	4/20/1998	0.00	N	6.00		
ANTIMONY	5/17/1999	< 6.00	N	6.00		
ARSENIC	4/20/1998	0.00	N	50.0		
ARSENIC	5/17/1999	2.00	Y	50.0		
ASBESTOS	5/17/1999	< 0.20	N	7.00		
ATRAZINE	5/17/1999	< 0.50	N	1.00		
BARIUM	4/20/1998	0.04	N	1000		
BARIUM	5/17/1999	< 100.00	N	1000		
BENTAZON	5/17/1999	< 1.00	N	18.0		
BENZENE	5/17/1999	0.00	N	1.00		
BERYLLIUM	4/20/1998	0.00	N	4.00		
BERYLLIUM	5/17/1999	< 1.00	N	4.00		
BICARBONATE	4/20/1998	160.00	Y	NA		
BICARBONATE	5/17/1999	160.00	Y	NA		
BROMOBENZENE	5/17/1999	0.00	N	NA		
BROMOCHLOROMETHANE	5/17/1999	0.00	N	NA		
BROMODICHLOROMETHANE	5/17/1999	0.00	N	NA		
BROMOFORM	5/17/1999	0.00	N	NA		
BROMOMETHANE	5/17/1999	0.00	N	NA		
CADMIUM	4/20/1998	0.00	N	5.00		
CADMIUM	5/17/1999	< 1.00	N	5.00		

Source Name: **LAKE BERRYESSA INTAKE** Source #: **D01**

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
CALCIUM	4/20/1995	14.00	Y	NA		
CALCIUM	5/17/1999	12.00	Y	NA		
CARBOFURAN	5/17/1999	< 5.00	N	18.0		
CARBON TETRACHLORIDE	5/17/1999	0.00	N	.50		
CARBONATE	4/20/1996	0.00	N	NA		
CARBONATE	5/17/1999	< 1.00	N	NA		
CHLORDANE	5/17/1999	< 0.10	N	.10		
CHLORIDE	4/20/1994	4.00	Y	600		
CHLORIDE	5/17/1999	4.00	Y	600		
CHLOROETHANE	5/17/1999	0.00	N	NA		
CHLOROFORM	5/17/1999	0.00	N	NA		
CHLOROMETHANE	5/17/1999	0.00	N	NA		
CHROMIUM (TOTAL)	4/20/1994	0.00	N	50.0		
CHROMIUM (TOTAL)	5/17/1999	< 10.00	N	50.0		
CIS 1,2 DICHLOROETHYLENE	5/17/1999	0.00	N	6.00		
COLOR	4/20/1994	20.00	Y	15.0		
COLOR	5/17/1999	< 1.00	N	15.0		
COPPER	4/20/1994	0.01	N	1000		
COPPER	5/17/1999	< 50.00	N	1000		
DALAPON	5/17/1999	< 2.50	N	200		
DIBROMOCHLOROMETHANE	5/17/1999	0.00	N	NA		
DIBROMOMETHANE	5/17/1999	0.00	N	NA		
DICAMBA	5/17/1999	< 0.50	N	NA		
DICHLORODIFLUOROMETHANE	5/17/1999	0.00	N	NA		
DICHLOROMETHANE	5/17/1999	0.00	N	5.00		
DIELDRIN	5/17/1999	< 0.01	N	NA		
DINOSEB	5/17/1999	< 1.00	N	7.00		
DIQUAT	5/17/1999	< 0.40	N	20.0		
ENDOTHALL	5/17/1999	< 45.00	N	100		
ENDRIN	5/17/1999	< 0.01	N	2.00		
ETHYL BENZENE	5/17/1999	0.00	N	700		
ETHYLENE DIBROMIDE	5/17/1999	< 0.02	N	.05		
FLUORIDE (TEMPERATURE DEPENDENT)	4/20/1994	0.00	N	1.40		
FLUORIDE (TEMPERATURE DEPENDENT)	5/17/1999	< 0.50	N	1.40		
FOAMING AGENTS (MBAS)	4/20/1995	0.00	N	500		
FOAMING AGENTS (MBAS)	5/17/1999	< 0.05	N	500		
HEPTACHLOR	5/17/1999	< 0.01	N	.01		
HEPTACHLOR EPOXIDE	5/17/1999	< 0.01	N	.01		
HEXACHLOROBENZENE	5/17/1999	< 0.01	N	1.00		
HEXACHLOROBUTADIENE	5/17/1999	0.00	N	NA		
HEXACHLOROCYCLOPENTADIENE	5/17/1999	< 0.05	N	50.0		
HYDROXIDE	4/20/1994	0.00	N	NA		
HYDROXIDE	5/17/1999	< 1.00	N	NA		
IRON	4/20/1994	0.10	N	300		
IRON	5/17/1999	120.00	Y	300		
ISOPROPYLBENZENE	5/17/1999	0.00	N	NA		
LAB TURBIDITY	4/20/1994	2.50	Y	5.00		
LAB TURBIDITY	5/17/1999	9.40	Y	5.00		
LEAD	4/20/1994	0.00	N	50.0		
LEAD	5/17/1999	< 5.00	N	50.0		
LINDANE (GAMMA BHC)	5/17/1999	< 0.01	N	.20		
M,P XYLENE	5/17/1999	0.00	N	1750		
M-XYLENE	5/17/1999	0.00	N	1750		
MAGNESIUM	4/20/1994	22.00	Y	NA		
MAGNESIUM	5/17/1999	27.00	Y	NA		
MANGANESE	4/20/1994	0.00	N	50.0		
MANGANESE	5/17/1999	< 20.00	N	50.0		
MERCURY	4/20/1994	0.00	N	2.00		

Source Name: **LAKE BERRYESSA INTAKE**   Source #: 001

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
MERCURY	5/17/1999	< 1.00	N	2.00		
METHOXYCHLOR	5/17/1999	< [illegible]	N	[illegible]		
METHYL TERT-BUTYL ETHER (MTBE)	5/17/1999	< 3.00	N	NA		
MONOCHLOROBENZENE	5/17/1999	0.00	N	70.0		
N-BUTYLBENZENE	5/17/1999	0.00	N	NA		
NAPHTHALENE	5/17/1999	0.00	N	NA		
NICKEL	4/20/1998	0.00	N	100		
NICKEL	5/17/1999	< 10.00	N	100		
NITRATE (AS NO3)	4/20/1998	0.00	N	45.0		
NITRATE (AS NO3)	5/17/1999	< 2.00	N	45.0		
NITRITE (N)	4/20/1998	0.00	N	1000		
NITRITE (N)	5/17/1999	< 10.00	N	1000		
O-XYLENE	5/17/1999	0.00	N	1750		
ODOR THRESHOLD @ 60 C	4/20/1998	1.00	N	3.00		
ODOR THRESHOLD @ 60 C	5/17/1999	< 1.00	N	3.00		
OXAMYL	5/17/1999	< 5.00	N	200		
P-ISOPROPYLTOLUENE	5/17/1999	0.00	N	NA		
P-XYLENE	5/17/1999	0.00	N	1750		
PENTACHLOROPHENOL	5/17/1999	< [illegible]	N	1.00		
PH (LABORATORY)	4/20/1998	7.90	Y	NA		
PH (LABORATORY)	5/17/1999	8.10	Y	NA		
PICLORAM	5/17/1999	< 1.00	N	500		
POTASSIUM	4/20/1998	0.00	N	NA		
SEC-BUTYLBENZENE	5/17/1999	0.00	N	NA		
SELENIUM	4/20/1998	0.00	N	50.0		
SELENIUM	5/17/1999	< 5.00	N	50.0		
SILVER	4/20/1998	0.00	N	100		
SILVER	5/17/1999	< 10.00	N	100		
SIMAZINE	5/17/1999	< [illegible]	N	4.00		
SODIUM	4/20/1998	8.00	Y	NA		
SODIUM	5/17/1999	9.60	Y	NA		
SPECIFIC CONDUCTANCE	4/20/1998	290.00	Y	2200		
SPECIFIC CONDUCTANCE	5/17/1999	330.00	Y	2200		
STYRENE	5/17/1999	0.00	N	100		
SULFATE	4/20/1998	21.00	Y	600		
SULFATE	5/17/1999	24.00	Y	600		
TERT-BUTYLBENZENE	5/17/1999	0.00	N	NA		
TETRACHLOROETHYLENE	5/17/1999	0.00	N	5.00		
THALLIUM	4/20/1998	0.00	N	2.00		
THALLIUM	5/17/1999	< 1.00	N	2.00		
TOLUENE	5/17/1999	0.00	N	150		
TOTAL ALKALINITY (AS CACO3)	4/20/1998	130.00	Y	NA		
TOTAL ALKALINITY (AS CACO3)	5/17/1999	137.00	Y	NA		
TOTAL ALPHA	11/26/1993	< 1.00	N	15.0		
TOTAL ALPHA	2/16/1994	0.00	N	15.0		
TOTAL ALPHA	5/25/1994	1.00	N	15.0		
TOTAL ALPHA	5/17/1999	0.62	N	15.0		
TOTAL ALPHA COUNTING ERROR	11/26/1993	1.24	Y	NA		
TOTAL ALPHA COUNTING ERROR	2/16/1994	1.00	Y	NA		
TOTAL ALPHA COUNTING ERROR	5/25/1994	0.80	Y	NA		
TOTAL ALPHA COUNTING ERROR	5/17/1999	0.39	Y	NA		
TOTAL FILTERABLE RESIDUE	4/20/1998	160.00	Y	1500		
TOTAL FILTERABLE RESIDUE	5/17/1999	190.00	Y	1500		
TOTAL HARDNESS (AS CACO3)	4/20/1998	130.00	Y	NA		
TOTAL HARDNESS (AS CACO3)	5/17/1999	156.00	Y	NA		
TOTAL TRIHALOMETHANES	5/17/1999	0.00	N	100		
TOXAPHENE	5/17/1999	< 0.50	N	3.00		
TRANS-1,2-DICHLOROETHYLENE	5/17/1999	0.00	N	10.0		

Source Name: LAKE BERRYESSA INTAKE Source #: 001

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
TRICHLOROETHYLENE	5/11/1999	0.00	N	5.00		
TRICHLOROFLUOROMETHANE	5/17/1999	0.00	N	150		
VINYL CHLORIDE	5/17/1999	0.00	N	.50		
XYLENES (TOTAL)	5/17/1999	0.00	N	1750		
ZINC	4/20/1998	0.00	N	5000		
ZINC	5/17/1999	< 50.00	N	5000		

All Source Chemical Monitoring

Date of Report: 7/31/2002

System Name: Pleasure Cove Resort

Source Name: LAKE BERRYESSA INTAKE - RAW Source # : 001

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
1,1,1,2-TETRACHLOROETHANE	10/4/1999	0.00	N	1.00		
1,1,1,2-TETRACHLOROETHANE	10/15/2001	0.00	N	1.00		
1,1,1,2-TETRACHLOROETHANE	3/19/2002	0.00	N	1.00		
1,1,1,2-TETRACHLOROETHANE	6/25/2002	0.00	N	1.00		
1,1,1-TRICHLOROETHANE	10/4/1999	0.00	N	200		
1,1,1-TRICHLOROETHANE	10/15/2001	0.00	N	200		
1,1,1-TRICHLOROETHANE	3/19/2002	0.00	N	200		
1,1,1-TRICHLOROETHANE	6/25/2002	0.00	N	200		
1,1,1,2-TETRACHLOROETHANE	10/4/1999	0.00	N	1.00		
1,1,2,2-TETRACHLOROETHANE	10/15/2001	0.00	N	1.00		
1,1,2,2-TETRACHLOROETHANE	3/19/2002	0.00	N	1.00		
1,1,2,2-TETRACHLOROETHANE	6/25/2002	0.00	N	1.00		
1,1,2-TRICHLORO 1,2,2-TRIFLUOROETHANE	10/4/1999	0.00	N	1200		
1,1,2-TRICHLORO 1,2,2-TRIFLUOROETHANE	10/15/2001	0.00	N	1200		
1,1,2-TRICHLORO 1,2,2-TRIFLUOROETHANE	3/19/2002	1.00	N	1200		
1,1,2-TRICHLORO 1,2,2-TRIFLUOROETHANE	6/25/2002	0.00	N	1200		
1,1,2-TRICHLOROETHANE	10/4/1999	0.00	N	5.00		
1,1,2-TRICHLOROETHANE	10/15/2001	0.00	N	5.00		
1,1,2-TRICHLOROETHANE	3/19/2002	0.00	N	5.00		
1,1,2-TRICHLOROETHANE	6/25/2002	0.00	N	5.00		
1,1-DICHLOROETHANE	10/4/1999	0.00	N	5.00	UG/L	
1,1-DICHLOROETHANE	10/15/2001	0.00	N	5.00	UG/L	
1,1-DICHLOROETHANE	3/19/2002	0.00	N	5.00	UG/L	
1,1-DICHLOROETHANE	6/25/2002	0.00	N	5.00	UG/L	
1,1-DICHLOROETHYLENE	10/4/1999	0.00	N	6.00		
1,1-DICHLOROETHYLENE	10/15/2001	0.00	N	6.00		
1,1-DICHLOROETHYLENE	3/19/2002	0.00	N	6.00		
1,1-DICHLOROETHYLENE	6/25/2002	0.00	N	6.00		
1,1-DICHLOROPROPENE	10/4/1999	0.00	N	NA		
1,1-DICHLOROPROPENE	10/15/2001	0.00	N	NA		
1,1-DICHLOROPROPENE	3/19/2002	0.00	N	NA		
1,1-DICHLOROPROPENE	6/25/2002	0.00	N	NA		
1,2,4-TRICHLOROBENZENE	10/4/1999	0.00	N	NA		
1,2,4-TRICHLOROBENZENE	10/15/2001	0.00	N	NA		
1,2,4-TRICHLOROBENZENE	3/19/2002	0.00	N	NA		
1,2,4-TRICHLOROBENZENE	6/25/2002	0.00	N	NA		
1,2,4-TRICHLOROPROPANE	10/4/1999	0.00	N	NA		
1,2,4-TRICHLOROPROPANE	10/15/2001	0.00	N	NA		
1,2,4-TRICHLOROPROPANE	3/19/2002	0.00	N	NA		
1,2,4-TRICHLOROPROPANE	6/25/2002	0.00	N	NA		
1,2,4-TRICHLOROBENZENE	10/4/1999	0.00	N	70.0		
1,2,4-TRICHLOROBENZENE	10/15/2001	0.00	N	70.0		
1,2,4-TRICHLOROBENZENE	3/19/2002	0.00	N	70.0		
1,2,4-TRICHLOROBENZENE	6/25/2002	0.00	N	70.0		
1,2,4-TRIMETHYLBENZENE	10/4/1999	0.00	N	NA		
1,2,4-TRIMETHYLBENZENE	10/15/2001	0.00	N	NA		
1,2,4-TRIMETHYLBENZENE	3/19/2002	1.00	N	NA		
1,2,4-TRIMETHYLBENZENE	6/25/2002	0.00	N	NA		
1,2-DICHLOROBENZENE	10/4/1999	0.00	N	600		

Source Name: LAKE BERRYESSA INTAKE - RAW Source #: 001

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
1,2 DICHLOROBENZENE	3/19/2002	0.00	N	600		
1,2 DICHLOROBENZENE	6/25/2002	0.00	N	600		
1,2 DICHLOROETHANE	10/4/1999	0.00	N	50		
1,2 DICHLOROETHANE	10/15/2001	0.00	N	50		
1,2-DICHLOROETHANE	3/19/2002	0.00	N	50		
1,2-DICHLOROETHANE	6/25/2002	0.00	N	50		
1,2-DICHLOROPROPANE	10/4/1999	0.00	N	5.00		
1,2 DICHLOROPROPANE	10/15/2001	0.00	N	5.00		
1,2 DICHLOROPROPANE	3/19/2002	0.00	N	5.00		
1,2 DICHLOROPROPANE	6/25/2002	0.00	N	5.00		
1,3,5 TRIMETHYLBENZENE	10/4/1999	0.00	N	NA		
1,3,5 TRIMETHYLBENZENE	10/15/2001	0.00	N	NA		
1,3,5 TRIMETHYLBENZENE	3/19/2002	0.00	N	NA		
1,3,5 TRIMETHYLBENZENE	6/25/2002	0.00	N	NA		
1,3 DICHLOROBENZENE	10/4/1999	0.00	N	NA		
1,3-DICHLOROBENZENE	10/15/2001	0.00	N	NA		
1,3-DICHLOROBENZENE	3/19/2002	0.00	N	NA		
1,3-DICHLOROBENZENE	6/25/2002	0.00	N	NA		
1,3 DICHLOROPROPANE	10/4/1999	0.00	N	NA		
1,3 DICHLOROPROPANE	10/15/2001	0.00	N	NA		
1,3 DICHLOROPROPANE	3/19/2002	0.00	N	NA		
1,3 DICHLOROPROPANE	6/25/2002	0.00	N	NA		
1,3 DICHLOROPROPENE (TOTAL)	10/4/1999	0.00	N	.50		
1,3 DICHLOROPROPENE (TOTAL)	10/15/2001	0.00	N	50		
1,3 DICHLOROPROPENE (TOTAL)	3/19/2002	0.00	N	.50		
1,3 DICHLOROPROPENE (TOTAL)	6/25/2002	0.00	N	.50		
1,4 DICHLOROBENZENE	10/4/1999	0.00	N	5.00		
1,4 DICHLOROBENZENE	10/15/2001	0.00	N	5.00		
1,4 DICHLOROBENZENE	3/19/2002	0.00	N	5.00		
1,4 DICHLOROBENZENE	6/25/2002	0.00	N	5.00		
1 PHENYLPROPANE (PROPYLBENZENE)	10/4/1999	0.00	N	NA		
1 PHENYLPROPANE (PROPYLBENZENE)	10/15/2001	0.00	N	NA		
1 PHENYLPROPANE (PROPYLBENZENE)	3/19/2002	0.00	N	NA		
1 PHENYLPROPANE (PROPYLBENZENE)	6/25/2002	0.00	N	NA		
2,2 DICHLOROPROPANE	10/4/1999	0.00	N	NA		
2,2-DICHLOROPROPANE	10/15/2001	0.00	N	NA		
2,2 DICHLOROPROPANE	3/19/2002	0.00	N	NA		
2,2 DICHLOROPROPANE	6/25/2002	0.00	N	NA		
2,4,5 TP (SILVEX)	10/4/1999	0.00	N	50.0		
2,4 D	10/4/1999	0.00	N	70.0		
2 CHLOROTOLUENE	10/4/1999	0.00	N	NA		
2 CHLOROTOLUENE	10/15/2001	0.00	N	NA		
2 CHLOROTOLUENE	3/19/2002	0.00	N	NA		
2-CHLOROTOLUENE	6/25/2002	0.00	N	NA		
4 CHLOROTOLUENE	10/4/1999	0.00	N	NA		
4 CHLOROTOLUENE	10/15/2001	0.00	N	NA		
4-CHLOROTOLUENE	3/19/2002	0.00	N	NA		
4 CHLOROTOLUENE	6/25/2002	0.00	N	NA		
AGGRESSIVENESS INDEX	10/4/1999	11.00	Y	NA		
AGGRESSIVENESS INDEX	10/15/2001	11.40	Y	NA		
ALACHLOR	10/4/1999	0.00	N	2.00		
ALDRIN	10/4/1999	0.00	N	NA		
ALUMINUM	10/4/1999	< 50.00	N	1000		
ALUMINUM	10/15/2001	95.00	Y	1000		
ANTIMONY	10/4/1999	< 6.00	N	6.00		
ANTIMONY	10/15/2001	< 6.00	N	6.00		
ARSENIC	10/4/1999	< 2.00	N	50.0		
ARSENIC	10/15/2001	< 2.00	N	50.0		

Source Name: LAKE BERRYESSA INTAKE - RAW Source #: 001

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
ASBESTOS	11/4/1999	< 0.20	N	7.00		
ATRAZINE	10/4/1999	0.10	N	1.00		
BARIUM	11/4/1999	< 100.00	N	1000		
BARIUM	10/15/2001	< 100.00	N	1000		
BENTAZON	10/4/1999	0.01	N	18.0		
BENZENE	10/4/1999	0.50	N	1.00		
BENZENE	10/15/2001	0.50	N	1.00		
BENZENE	1/19/2002	0.50	N	1.00		
BENZENE	6/25/2002	0.50	N	1.00		
BERYLLIUM	10/4/1999	< 1.00	N	4.00		
BERYLLIUM	10/15/2001	< 1.00	N	4.00		
BICARBONATE	10/4/1999	260.00	Y	NA		
BICARBONATE	10/15/2001	180.00	Y	NA		
BORON	10/15/2001	180.00	Y	NA		
BORON	1/19/2002	180.00	Y	NA		
BORON	6/25/2002	190.00	Y	NA		
BROMACIL	10/4/1999	0.50	N	NA		
BROMOBENZENE	10/4/1999	0.50	N	NA		
BROMOBENZENE	10/15/2001	0.50	N	NA		
BROMOBENZENE	1/19/2002	0.50	N	NA		
BROMOBENZENE	6/25/2002	0.50	N	NA		
BROMOCHLOROMETHANE	10/4/1999	0.50	N	NA		
BROMOCHLOROMETHANE	10/15/2001	0.50	N	NA		
BROMOCHLOROMETHANE	1/19/2002	0.50	N	NA		
BROMOCHLOROMETHANE	6/25/2002	0.50	N	NA		
BROMODICHLOROMETHANE	10/4/1999	0.50	N	NA		
BROMODICHLOROMETHANE	10/15/2001	0.50	N	NA		
BROMODICHLOROMETHANE	1/19/2002	0.50	N	NA		
BROMODICHLOROMETHANE	6/25/2002	0.50	N	NA		
BROMOFORM	10/4/1999	0.50	N	NA		
BROMOFORM	10/15/2001	0.50	N	NA		
BROMOFORM	1/19/2002	0.50	N	NA		
BROMOFORM	6/25/2002	0.50	N	NA		
BROMOMETHANE	10/4/1999	0.50	N	NA		
BROMOMETHANE	10/15/2001	0.50	N	NA		
BROMOMETHANE	1/19/2002	0.50	N	NA		
BROMOMETHANE	6/25/2002	0.50	N	NA		
BUTACHLOR	10/4/1999	0.50	N	NA		
CADMIUM	11/4/1999	< 1.00	N	5.00		
CADMIUM	10/15/2001	< 1.00	N	5.00		
CALCIUM	10/4/1999	38.00	Y	NA		
CALCIUM	10/15/2001	37.00	Y	NA		
CARBOFURAN	10/4/1999	0.50	N	18.0		
CARBON TETRACHLORIDE	10/4/1999	0.50	N	0.5		
CARBON TETRACHLORIDE	10/15/2001	0.50	N	.50		
CARBON TETRACHLORIDE	1/19/2002	0.50	N	.50		
CARBON TETRACHLORIDE	6/25/2002	0.50	N	.50		
CARBONATE	11/4/1999	32.00	Y	NA		
CARBONATE	10/15/2001	6.00	Y	NA		
CHLORDANE	10/4/1999	0.02	N	2.0		
CHLORIDE	10/4/1999	4.80	Y	600		
CHLORIDE	10/15/2001	5.40	Y	600		
CHLOROETHANE	10/4/1999	0.50	N	NA		
CHLOROETHANE	10/15/2001	0.50	N	NA		
CHLOROETHANE	1/19/2002	0.50	N	NA		
CHLOROETHANE	6/25/2002	0.50	N	NA		
CHLOROFORM	11/4/1999	0.50	N	NA		
CHLOROFORM	11/15/2001	0.50	N	NA		

Source Name: **LAKE BERRYESSA INTAKE - RAW** Source #: **001**

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
CHLOROFORM	3/19/2002	0.00	N	NA		
CHLOROFORM	6/25/2002	0.00	N	NA		
CHLOROMETHANE	10/4/1999	0.00	N	NA		
CHLOROMETHANE	10/15/2001	0.00	N	NA		
CHLOROMETHANE	3/19/2002	0.00	N	NA		
CHLOROMETHANE	6/25/2002	0.00	N	NA		
CHLOROPYRALONIL	10/4/1999	0.00	N	NA		
CHROMIUM (TOTAL)	10/4/1999	< 10.00	N	50.0		
CHROMIUM (TOTAL)	10/15/2001	< 1.00	N	50.0		
CIS-1,2 DICHLOROETHYLENE	10/4/1999	0.00	N	6.00		
CIS 1,2-DICHLOROETHYLENE	10/15/2001	0.00	N	6.00		
CIS 1,2 DICHLOROETHYLENE	3/19/2002	0.00	N	6.00		
CIS 1,2 DICHLOROETHYLENE	6/25/2002	0.00	N	6.00		
COLOR	10/4/1999	< 3.00	N	15.0		
COLOR	10/15/2001	3.00	Y	15.0		
COPPER	10/4/1999	< 50.00	N	1000		
COPPER	10/15/2001	< 50.00	N	1000		
DALAPON	10/4/1999	0.00	N	200		
DIAZINON	10/4/1999	0.00	N	NA		
DIBROMOCHLOROMETHANE	10/4/1999	0.00	N	NA		
DIBROMOCHLOROMETHANE	10/15/2001	0.00	N	NA		
DIBROMOCHLOROMETHANE	3/19/2002	0.00	N	NA		
DIBROMOCHLOROMETHANE	6/25/2002	0.00	N	NA		
DIBROMOMETHANE	10/4/1999	0.00	N	NA		
DIBROMOMETHANE	10/15/2001	0.00	N	NA		
DIBROMOMETHANE	3/19/2002	0.00	N	NA		
DIBROMOMETHANE	6/25/2002	0.00	N	NA		
DICAMBA	10/4/1999	0.00	N	NA		
DICHLORODIFLUOROMETHANE	10/4/1999	0.00	N	NA		
DICHLORODIFLUOROMETHANE	10/15/2001	0.00	N	NA		
DICHLORODIFLUOROMETHANE	3/19/2002	0.00	N	NA		
DICHLORODIFLUOROMETHANE	6/25/2002	0.00	N	NA		
DICHLOROMETHANE	10/4/1999	0.00	N	5.00		
DICHLOROMETHANE	10/15/2001	0.00	N	5.00		
DICHLOROMETHANE	3/19/2002	0.00	N	5.00		
DICHLOROMETHANE	6/25/2002	0.00	N	5.00		
DIELDRIN	10/4/1999	0.00	N	NA		
DIMETHOATE	10/4/1999	0.00	N	NA		
DINOSEB	10/4/1999	0.00	N	7.00		
DIQUAT	10/4/1999	0.00	N	20.0		
DIURON	10/4/1999	0.00	N	NA		
ENDOTHALL	10/4/1999	0.00	N	100		
ENDRIN	10/4/1999	0.00	N	2.00		
ETHER	3/19/2002	0.00	N			
ETHER	6/25/2002	0.00	N			
ETHYL BENZENE	10/4/1999	0.00	N	700		
ETHYL BENZENE	10/15/2001	0.00	N	700		
ETHYL BENZENE	3/19/2002	0.00	N	700		
ETHYL BENZENE	6/25/2002	0.00	N	700		
ETHYLENE DIBROMIDE	10/4/1999	0.00	N	.05		
FLUORIDE (TEMPERATURE DEPENDENT)	10/4/1999	0.12	Y	1.40		
FLUORIDE (TEMPERATURE DEPENDENT)	10/15/2001	0.16	Y	1.40		
FOAMING AGENTS (MBAS)	10/4/1999	< 0.05	N	500		
FOAMING AGENTS (MBAS)	10/15/2001	< 0.05	N	500		
HEPTACHLOR	10/4/1999	0.00	N	.01		
HEPTACHLOR EPOXIDE	10/4/1999	0.00	N	.01		
HEXACHLOROBENZENE	10/4/1999	0.00	N	1.00		
HEXACHLOROBUTADIENE	10/4/1999	0.00	N	NA		

System Name: LAKE BERRYESSA INTAKE - RAW Source #: 001

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
HEXACHLOROBUTADIENE	10/15/2001	0.50	N	NA		
HEXACHLOROBUTADIENE	3/19/2002	0.50	N	NA		
HEXACHLOROBUTADIENE	6/25/2002	0.50	N	NA		
HEXACHLOROCYCLOPENTADIENE	10/4/1999	0.50	N	50.0		
HYDRAZINE	10/4/1999	< 1.00	N	NA		
HYDRAZINE	11/29/2001	< 1.00	N	NA		
IRON	10/4/1999	< 100.00	N	300		
IRON	10/15/2001	100.00	Y	300		
ISOPROPYLBENZENE	10/4/1999	0.50	N	NA		
ISOPROPYLBENZENE	10/15/2001	0.50	N	NA		
ISOPROPYLBENZENE	3/19/2002	0.50	N	NA		
ISOPROPYLBENZENE	6/25/2002	0.50	N	NA		
LAB TURBIDITY	10/4/1999	0.40	Y	5.00		
LAB TURBIDITY	10/15/2001	4.00	Y	5.00		
LEAD	10/4/1999	< 5.00	N	50.0		
LEAD	10/15/2001	< 5.00	N	50.0		
LINDANE (GAMMA BHC)	10/4/1999	0.50	N	50		
M,P-XYLENE	10/4/1999	0.50	N	1750		
M,P XYLENE	10/15/2001	0.50	N	1750		
M,P XYLENE	3/19/2002	0.50	N	1750		
M,P XYLENE	6/25/2002	0.50	N	1750		
M XYLENE	10/4/1999	0.50	N	1750		
M XYLENE	10/15/2001	0.50	N	1750		
M-XYLENE	3/19/2002	0.50	N	1750		
M-XYLENE	6/25/2002	0.50	N	1750		
MAGNESIUM	10/4/1999	25.00	Y	NA		
MAGNESIUM	10/15/2001	14.00	Y	NA		
MANGANESE	10/4/1999	< 20.00	N	50.0		
MANGANESE	10/15/2001	< 10.00	N	50.0		
MERCURY	10/4/1999	< 1.00	N	2.00		
MERCURY	10/15/2001	< 1.00	N	2.00		
METHOXYCHLOR	10/4/1999	0.05	N	40.0		
METHYL TERT BUTYL ETHER (MTBE)	10/4/1999	0.50	N	NA		
METHYL TERT BUTYL ETHER (MTBE)	10/15/2001	0.50	N	NA		
METHYL TERT-BUTYL ETHER (MTBE)	3/19/2002	0.50	N	NA		
METHYL TERT BUTYL ETHER (MTBE)	6/25/2002	0.50	N	NA		
METOLACHLOR	10/4/1999	0.05	N	NA		
METRIBUZIN	10/4/1999	0.05	N	NA		
MOLINATE	10/4/1999	0.05	N	20.0		
MONOCHLOROBENZENE	10/4/1999	0.50	N	70.0		
MONOCHLOROBENZENE	10/15/2001	0.50	N	70.0		
MONOCHLOROBENZENE	3/19/2002	0.50	N	70.0		
MONOCHLOROBENZENE	6/25/2002	0.50	N	70.0		
N BUTYLBENZENE	10/4/1999	0.50	N	NA		
N BUTYLBENZENE	10/15/2001	0.50	N	NA		
N-BUTYLBENZENE	3/19/2002	0.50	N	NA		
N-BUTYLBENZENE	6/25/2002	0.50	N	NA		
NAPHTHALENE	10/4/1999	0.50	N	NA		
NAPHTHALENE	10/15/2001	0.50	N	NA		
NAPHTHALENE	3/19/2002	0.50	N	NA		
NAPHTHALENE	6/25/2002	1.00	N	NA		
NICKEL	10/4/1999	< 10.00	N	100		
NICKEL	10/15/2001	< 10.00	N	100		
NITRATE (AS NO3)	10/4/1999	< 2.00	N	45.0		
NITRATE (AS NO3)	10/15/2001	< 2.00	N	45.0		
NITRITE (AS N)	10/4/1999	< 10.00	N	10.0		
NITRITE (AS N)	10/15/2001	< 10.00	N	1.000		
O XYLENE	10/4/1999	0.50	N	1750		

Source Name: LAKE BERRYESSA INTAKE - RAW Source #: 001

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
O XYLENE	10/15/2001	0.00	N	1750		
O XYLENE	3/19/2002	0.00	N	1750		
O XYLENE	6/25/2002	0.00	N	1750		
ODOR THRESHOLD @ 60 C	10/4/1999	1.40	Y	3.00		
ODOR THRESHOLD @ 60 C	10/15/2001	3.00	Y	3.00		
OXAMYL	10/4/1999	0.00	N	200		
P ISOPROPYLTOLUENE	10/4/1999	0.00	N	NA		
P ISOPROPYLTOLUENE	10/15/2001	0.00	N	NA		
P-ISOPROPYLTOLUENE	3/19/2002	0.00	N	NA		
P-ISOPROPYLTOLUENE	6/25/2002	0.00	N	NA		
P-XYLENE	10/4/1999	0.00	N	1750		
P XYLENE	10/15/2001	0.00	N	1750		
P-XYLENE	3/19/2002	0.00	N	1750		
P XYLENE	6/25/2002	0.00	N	1750		
PENTACHLOROPHENOL	10/4/1999	0.00	N	1.00		
PH (LABORATORY)	10/4/1999	8.50	Y	NA		
PH (LABORATORY)	10/15/2001	8.60	Y	NA		
PICLORAM	10/4/1999	0.00	N	500		
PROMETRYN	10/4/1999	0.00	N	NA		
PROPACHLOR	10/4/1999	0.00	N	NA		
SEC BUTYLBENZENE	10/4/1999	0.00	N	NA		
SEC BUTYLBENZENE	10/15/2001	0.00	N	NA		
SEC BUTYLBENZENE	3/19/2002	0.00	N	NA		
SEC BUTYLBENZENE	6/25/2002	0.00	N	NA		
SELENIUM	10/4/1999	< 5.00	N	50.0		
SELENIUM	10/15/2001	< 5.00	N	50.0		
SILVER	10/4/1999	< 10.00	N	100		
SILVER	10/15/2001	< 10.00	N	100		
SIMAZINE	10/4/1999	0.00	N	4.00		
SODIUM	10/4/1999	12.00	Y	NA		
SODIUM	10/15/2001	11.00	Y	NA		
SPECIFIC CONDUCTANCE	10/4/1999	320.00	Y	2200		
SPECIFIC CONDUCTANCE	10/15/2001	370.00	Y	2200		
STYRENE	10/4/1999	0.00	N	100		
STYRENE	10/15/2001	0.00	N	100		
STYRENE	3/19/2002	0.00	N	100		
STYRENE	6/25/2002	0.00	N	100		
SULFATE	10/4/1999	20.00	Y	600		
SULFATE	10/15/2001	23.00	N	600		
TAME	3/19/2002	0.00	N			
TAME	6/25/2002	0.00	N			
TERT BUTYLBENZENE	10/4/1999	0.00	N	NA		
TERT BUTYLBENZENE	10/15/2001	0.00	N	NA		
TERT BUTYLBENZENE	3/19/2002	0.00	N	NA		
TERT-BUTYLBENZENE	6/25/2002	0.00	N	NA		
TETRACHLOROETHYLENE	10/4/1999	0.00	N	5.00		
TETRACHLOROETHYLENE	10/15/2001	0.00	N	5.00		
TETRACHLOROETHYLENE	3/19/2002	0.00	N	5.00		
TETRACHLOROETHYLENE	6/25/2002	0.00	N	5.00		
THALLIUM	10/4/1999	< 1.00	N	2.00		
THALLIUM	10/15/2001	< 1.00	N	2.00		
THIOBENCARB	10/4/1999	0.00	N	1.00		
TOLUENE	10/4/1999	0.00	N	150		
TOLUENE	10/15/2001	0.00	N	150		
TOLUENE	3/19/2002	0.00	N	150		
TOLUENE	6/25/2002	0.00	N	150		
TOTAL ALKALINITY (AS CACO3)	10/4/1999	140.00	Y	NA		
TOTAL ALKALINITY (AS CACO3)	10/15/2001	160.00	Y	NA		

System Name: LAKE BERRYESSA INTAKE - RAW System #: 001

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
TOTAL ALPHA	12/4/1999	1.9	Y	15.0		
TOTAL ALPHA COUNTING ERROR	12/4/1999	0.58	Y	NA		
TOTAL FILTERABLE RESIDUE	10/4/1999	200.00	Y	1000		
TOTAL FILTERABLE RESIDUE	10/15/2001	210.00	Y	1000		
TOTAL HARDNESS (AS CACO3)	12/4/1999	160.00	Y	NA		
TOTAL HARDNESS (AS CACO3)	10/15/2001	150.00	Y	NA		
TOTAL TRIHALOMETHANES	10/4/1999	0.70	N	100		
TOTAL TRIHALOMETHANES	10/15/2001	0.00	N	100		
TOTAL TRIHALOMETHANES	3/19/2002	0.00	N	100		
TOTAL TRIHALOMETHANES	6/25/2002	0.00	N	100		
TOLUENE	10/4/1999	0.00	N	3.00		
TRANS 1,2 DICHLOROETHYLENE	10/4/1999	0.00	N	10.0		
TRANS-1,2-DICHLOROETHYLENE	10/15/2001	0.00	N	10.0		
TRANS 1,2 DICHLOROETHYLENE	3/19/2002	0.00	N	10.0		
TRANS 1,2 DICHLOROETHYLENE	6/25/2002	0.00	N	10.0		
TRICHLOROETHYLENE	10/4/1999	0.00	N	5.00		
TRICHLOROETHYLENE	10/15/2001	0.00	N	5.00		
TRICHLOROETHYLENE	3/19/2002	0.00	N	5.00		
TRICHLOROETHYLENE	6/25/2002	0.00	N	5.00		
TRICHLOROFLUOROMETHANE	10/4/1999	< 0.00	N	150		
TRICHLOROFLUOROMETHANE	10/15/2001	0.00	N	150		
TRICHLOROFLUOROMETHANE	3/19/2002	0.00	N	150		
TRICHLOROFLUOROMETHANE	6/25/2002	< 0.00	N	150		
Tertiary Butyl Alcohol (TBA)	3/19/2002	0.00	N	NA		
Tertiary butyl Alcohol (TBA)	6/25/2002	0.00	N	NA		
Total Chromium Screen (5 ug/l DLR)	3/19/2002	< 1.00	N	NA		
Total Chromium Screen (5 ug/l DLR)	6/25/2002	1.00	Y	NA		
VANADIUM	10/15/2001	< 3.00	N	NA		
VANADIUM	3/19/2002	4.10	Y	NA		
VANADIUM	6/25/2002	< 3.00	N	NA		
VINYL CHLORIDE	10/4/1999	0.00	N	.50		
VINYL CHLORIDE	10/15/2001	0.00	N	.50		
VINYL CHLORIDE	3/19/2002	0.00	N	.50		
VINYL CHLORIDE	6/25/2002	0.00	N	.50		
XYLENES (TOTAL)	10/4/1999	0.00	N	1750		
XYLENES (TOTAL)	10/15/2001	0.00	N	1750		
XYLENES (TOTAL)	3/19/2002	0.00	N	1750		
XYLENES (TOTAL)	6/25/2002	0.00	N	1750		
ZINC	10/4/1999	< 50.00	N	5000		
ZINC	10/15/2001	< 50.00	N	5000		

All Source Chemical Monitoring

Date of report: 7/31/2002

System Name: **Rancho Monticello Resort**

Source Name: **LAKE BERRYESSA - RAW** Source #: **001**

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
1,1,1,2 TETRACHLOROETHANE	9/13/1990	0.00	N	1.00		
1,1,1,2 TETRACHLOROETHANE	6/2/1997	0.00	N	1.00		
1,1,1,2-TETRACHLOROETHANE	7/23/2001	0.00	N	1.00		
1,1,1 TRICHLOROETHANE	9/13/1990	0.00	N	200		
1,1,1 TRICHLOROETHANE	6/2/1997	0.00	N	200		
1,1,1 TRICHLOROETHANE	7/23/2001	0.00	N	200		
1,1,2,2 TETRACHLOROETHANE	9/13/1990	0.00	N	1.00		
1,1,2,2 TETRACHLOROETHANE	6/2/1997	0.00	N	1.00		
1,1,2,2-TETRACHLOROETHANE	7/23/2001	0.00	N	1.00		
1,1,2-TRICHLORO-1,2,2 TRIFLUOROETHANE	6/2/1997	0.00	N	1200		
1,1,2-TRICHLORO-1,2,2 TRIFLUOROETHANE	7/23/2001	0.00	N	1200		
1,1,2-TRICHLOROETHANE	9/13/1990	0.00	N	5.00		
1,1,2-TRICHLOROETHANE	6/2/1997	0.00	N	5.00		
1,1,2 TRICHLOROETHANE	7/23/2001	0.00	N	5.00		
1,1 DICHLOROETHANE	9/13/1990	0.00	N	5.00	UG/L	
1,1 DICHLOROETHANE	6/2/1997	0.00	N	5.00	UG/L	
1,1 DICHLOROETHANE	7/23/2001	0.00	N	5.00	UG/L	
1,1 DICHLOROETHYLENE	9/13/1990	0.00	N	6.00		
1,1 DICHLOROETHYLENE	6/2/1997	0.00	N	6.00		
1,1 DICHLOROETHYLENE	7/23/2001	0.00	N	6.00		
1,1 DICHLOROPROPENE	9/13/1990	0.00	N	NA		
1,1 DICHLOROPROPENE	6/2/1997	0.00	N	NA		
1,1 DICHLOROPROPENE	7/23/2001	0.00	N	NA		
1,2,3 TRICHLOROBENZENE	9/13/1990	0.00	N	NA		
1,2,3 TRICHLOROBENZENE	6/2/1997	0.00	N	NA		
1,2,3-TRICHLOROBENZENE	7/23/2001	0.00	N	NA		
1,2,3 TRICHLOROPROPANE	9/13/1990	0.00	N	NA		
1,2,3-TRICHLOROPROPANE	6/2/1997	0.00	N	NA		
1,2,3 TRICHLOROPROPANE	7/23/2001	0.00	N	NA		
1,2,3 TRICHLOROPROPANE	6/10/2002	0.00	N	NA		
1,2,4 TRICHLOROBENZENE	9/13/1990	0.00	N	70.0		
1,2,4 TRICHLOROBENZENE	6/2/1997	0.00	N	70.0		
1,2,4 TRICHLOROBENZENE	7/23/2001	0.00	N	70.0		
1,2,4 TRIMETHYLBENZENE	9/13/1990	0.00	N	NA		
1,2,4 TRIMETHYLBENZENE	6/2/1997	0.00	N	NA		
1,2,4 TRIMETHYLBENZENE	7/23/2001	0.00	N	NA		
1,2 DICHLOROBENZENE	9/13/1990	0.00	N	600		
1,2 DICHLOROBENZENE	6/2/1997	0.00	N	600		
1,2 DICHLOROBENZENE	7/23/2001	0.00	N	600		
1,2 DICHLOROETHANE	9/13/1990	0.00	N	.50		
1,2 DICHLOROETHANE	6/2/1997	0.00	N	.50		
1,2 DICHLOROETHANE	7/23/2001	0.00	N	.50		
1,2-DICHLOROPROPANE	9/13/1990	0.00	N	5.00		
1,2 DICHLOROPROPANE	6/2/1997	0.00	N	5.00		
1,2 DICHLOROPROPANE	7/23/2001	0.00	N	5.00		
1,3,5 TRIMETHYLBENZENE	9/13/1990	0.00	N	NA		
1,3,5-TRIMETHYLBENZENE	6/2/1997	0.00	N	NA		
1,3,5 TRIMETHYLBENZENE	7/23/2001	0.00	N	NA		
1,3 DICHLOROBENZENE	9/13/1990	0.00	N	NA		
1,3 DICHLOROBENZENE	6/2/1997	0.00	N	NA		
1,3 DICHLOROBENZENE	7/23/2001	0.00	N	NA		

System Name: LAKE BERRYESSA - RAW Source #: 001

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
1,1-DICHLOROETHANE	5/15/1996	0.00	N	NA		
1,1-DICHLOROETHANE	6/2/1997	0.00	N	NA		
1,1-DICHLOROETHANE	7/23/2001	0.00	N	NA		
1,1-DICHLOROPROPENE (TOTAL)	6/23/1999	0.00	N	NA		
1,2,3-TRICHLOROPROPANE (TOTAL)	6/2/1997	0.00	N	0.005		
1,2,3-TRICHLOROPROPANE (TOTAL)	7/23/2001	0.00	N	0.005		
1,2,4-TRICHLOROBENZENE	9/13/1990	0.00	N	5.00		
1,2,4-TRICHLOROBENZENE	6/2/1997	0.00	N	5.00		
1,2,4-TRICHLOROBENZENE	7/23/2001	0.00	N	5.00		
1 PHENYLPROPANE (PROPYLBENZENE)	9/13/1990	0.00	N	NA		
1 PHENYLPROPANE (PROPYLBENZENE)	6/2/1997	0.00	N	NA		
1 PHENYLPROPANE (PROPYLBENZENE)	7/23/2001	0.00	N	NA		
2,2-DICHLOROPROPANE	9/13/1990	0.00	N	NA		
2,2-DICHLOROPROPANE	6/2/1997	0.00	N	NA		
2,2-DICHLOROPROPANE	7/23/2001	0.00	N	NA		
2,4,5-TP (SILVEX)	6/2/1997	0.00	N	50.0		
2,4,5-TP (SILVEX)	7/23/2001	0.00	N	50.0		
2,4-D	6/2/1997	0.00	N	70.0		
2,4-D	7/23/2001	0.00	N	70.0		
2-CHLOROETHYLVINYL ETHER	9/13/1990	0.00	N	NA		
2-CHLOROTOLUENE	9/13/1990	0.00	N	NA		
2-CHLOROTOLUENE	6/2/1997	0.00	N	NA		
2-CHLOROTOLUENE	7/23/2001	0.00	N	NA		
3-HYDROXYCARBOFURAN	6/2/1997	0.00	N	NA		
3-HYDROXYCARBOFURAN	7/23/2001	0.00	N	NA		
4-CHLOROTOLUENE	9/13/1990	0.00	N	NA		
4-CHLOROTOLUENE	6/2/1997	0.00	N	NA		
4-CHLOROTOLUENE	7/23/2001	0.00	N	NA		
ADRESS(VENSUG INDEX	11/7/1994	12.00	Y	NA		
ADRESS(VENSUG INDEX	6/2/1997	12.00	Y	NA		
ADRESS(VENSUG INDEX	5/3/1999	12.00	Y	NA		
ADRESS(VENSUG INDEX	7/23/2001	12.50	Y	NA		
ALACHLOR	7/23/2001	0.00	N	2.00		
ALDICARB	6/2/1997	0.00	N	NA		
ALDICARB	7/23/2001	0.00	N	NA		
ALDICARB SULFONE	6/2/1997	0.00	N	NA		
ALDICARB SULFONE	7/23/2001	0.00	N	NA		
ALDICARB SULFOXIDE	6/2/1997	0.00	N	NA		
ALDICARB SULFOXIDE	7/23/2001	0.00	N	NA		
ALDRIN	7/23/2001	0.00	N	NA		
ALUMINUM	9/13/1990	< 100.00	N	1000		
ALUMINUM	11/7/1994	150.00	Y	1000		
ALUMINUM	6/2/1997	< 50.00	N	1000		
ALUMINUM	5/3/1999	< 50.00	N	1000		
ALUMINUM	7/23/2001	150.00	Y	1000		
ANTIMONY	11/7/1994	< 6.00	N	6.00		
ANTIMONY	6/2/1997	< 4.00	N	6.00		
ANTIMONY	5/3/1999	< 6.00	N	6.00		
ANTIMONY	7/23/2001	< 6.00	N	6.00		
ARSENIC	9/13/1990	< 10.00	N	50.0		
ARSENIC	11/7/1994	2.20	Y	50.0		
ARSENIC	6/2/1997	2.50	Y	50.0		
BARIUM	6/2/1997	< 2.00	N	50.0		
BARIUM	7/23/2001	< 2.00	N	50.0		
ASBESTOS	6/2/1997	< 0.20	N	7.00		
ASBESTOS	7/23/2001	< 0.20	N	7.00		
ATRAZINE	6/2/1997	0.00	N	3.00		
ATRAZINE	7/23/2001	0.00	N	3.00		

Source Name: **LAKE BERRYESSA - RAW** Source #: 001

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
BARIUM	9/13/1990	< 100.00	N	1000		
BARIUM	11/7/1994	< 100.00	N	1000		
BARIUM	6/2/1997	< 100.00	N	1000		
BARIUM	5/3/1999	< 100.00	N	1000		
BARIUM	9/25/2001	< 100.00	N	1000		
BENTAZON	7/23/2001	0.00	N	18.0		
BENZENE	9/13/1990	0.00	N	1.00		
BENZENE	6/2/1997	0.00	N	1.00		
BENZENE	7/23/2001	0.00	N	1.00		
BENZENE	6/10/2003	0.00	N	1.00		
BERYLLIUM	11/7/1994	< 1.00	N	4.00		
BERYLLIUM	6/2/1997	< 1.00	N	4.00		
BERYLLIUM	5/3/1999	< 1.00	N	4.00		
BERYLLIUM	7/23/2001	< 1.00	N	4.00		
BICARBONATE	9/13/1990	196.00	Y	NA		
BICARBONATE	11/7/1994	230.00	Y	NA		
BICARBONATE	6/2/1997	150.00	Y	NA		
BICARBONATE	5/3/1999	160.00	Y	NA		
BICARBONATE	7/23/2001	160.00	Y	NA		
BROMACIL	6/2/1997	0.00	N	NA		
BROMACIL	7/23/2001	0.00	N	NA		
BROMOBENZENE	9/13/1990	0.00	N	NA		
BROMOBENZENE	6/2/1997	0.00	N	NA		
BROMOBENZENE	7/23/2001	0.00	N	NA		
BROMOCHLOROMETHANE	9/13/1990	0.00	N	NA		
BROMOCHLOROMETHANE	6/2/1997	0.00	N	NA		
BROMOCHLOROMETHANE	7/23/2001	0.00	N	NA		
BROMODICHLOROMETHANE	9/13/1990	0.00	N	NA		
BROMODICHLOROMETHANE	6/2/1997	0.00	N	NA		
BROMODICHLOROMETHANE	7/23/2001	0.00	N	NA		
BROMOFORM	9/13/1990	0.00	N	NA		
BROMOFORM	6/2/1997	0.00	N	NA		
BROMOFORM	7/23/2001	0.00	N	NA		
BROMOMETHANE	9/14/1990	0.00	N	NA		
BROMOMETHANE	6/2/1997	0.00	N	NA		
BROMOMETHANE	7/23/2001	0.00	N	NA		
BUTACHLOR	6/2/1997	0.00	N	NA		
BUTACHLOR	7/23/2001	0.00	N	NA		
CADMIUM	9/13/1990	< 1.00	N	5.00		
CADMIUM	11/7/1994	< 1.00	N	5.00		
CADMIUM	6/2/1997	< 1.00	N	5.00		
CADMIUM	5/3/1999	< 1.00	N	5.00		
CADMIUM	7/23/2001	< 1.00	N	5.00		
CALCIUM	9/13/1990	19.00	Y	NA		
CALCIUM	11/7/1994	15.00	Y	NA		
CALCIUM	6/2/1997	14.00	Y	NA		
CALCIUM	5/3/1999	16.00	Y	NA		
CALCIUM	7/23/2001	16.00	Y	NA		
CARBARYL	6/2/1997	0.00	N	NA		
CARBARYL	7/23/2001	0.00	N	NA		
CARBOFURAN	6/2/1997	0.00	N	18.0		
CARBOFURAN	7/23/2001	0.00	N	18.0		
CARBON TETRACHLORIDE	9/13/1990	0.00	N	.50		
CARBON TETRACHLORIDE	6/2/1997	0.00	N	.50		
CARBON TETRACHLORIDE	7/23/2001	0.00	N	.50		
CARBONATE	9/13/1990	11.00	Y	NA		
CARBONATE	11/7/1994	< 1.00	N	NA		
CARBONATE	6/2/1997	< 1.00	N	NA		

System Name: **LAKE BERRYESSA - RAW** Source #: 001

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
CARBONATE	6/3/1999	< 1.00	N	NA		
CARBONATE	7/23/2001	14.00	Y	NA		
CHLORDANE	6/7/1997	0.00	N	.10		
CHLORDANE	7/23/2001	0.01	N	.10		
CHLORIDE	9/13/1990	6.00	Y	600		
CHLORIDE	11/7/1994	5.60	Y	600		
CHLORIDE	6/2/1997	7.10	Y	600		
CHLORIDE	5/3/1999	4.80	Y	600		
CHLORIDE	7/23/2001	5.40	Y	600		
CHLOROETHANE	9/13/1990	0.00	N	NA		
CHLOROETHANE	6/2/1997	0.00	N	NA		
CHLOROMETHANE	7/23/2001	0.00	N	NA		
CHLOROFORM	9/13/1990	0.00	N	NA		
CHLOROFORM	6/2/1997	0.00	N	NA		
CHLOROFORM	7/23/2001	0.00	N	NA		
CHLOROMETHANE	9/13/1990	0.00	N	NA		
CHLOROMETHANE	6/2/1997	0.00	N	NA		
CHLOROMETHANE	7/23/2001	0.00	N	NA		
CHLOROTHALONIL	6/2/1997	0.00	N	NA		
CHLOROTHALONIL	7/23/2001	0.00	N	NA		
CHROMIUM (TOTAL)	9/13/1990	< 10.00	N	50.0		
CHROMIUM (TOTAL)	11/7/1994	< 10.00	N	50.0		
CHROMIUM (TOTAL)	6/2/1997	< 10.00	N	50.0		
CHROMIUM (TOTAL)	5/3/1999	< 10.00	N	50.0		
CHROMIUM (TOTAL)	7/23/2001	1.40	N	50.0		
CIS 1,2 DICHLOROETHYLENE	9/13/1990	0.00	N	6.00		
CIS 1,2 DICHLOROETHYLENE	6/2/1997	0.00	N	6.00		
CIS 1,2-DICHLOROETHYLENE	7/23/2001	0.00	N	6.00		
COLOR	11/7/1994	10.00	Y	15.0		
COLOR	6/2/1997	< 3.00	N	15.0		
COLOR	5/3/1999	< 3.00	N	15.0		
COLOR	7/23/2001	5.00	Y	15.0		
COPPER	9/13/1990	< 50.00	N	1000		
COPPER	11/7/1994	< 50.00	N	1000		
COPPER	6/2/1997	< 50.00	N	1000		
COPPER	5/3/1999	< 50.00	N	1000		
COPPER	7/23/2001	< 50.00	N	1000		
DALAPON	6/2/1997	0.00	N	200		
DALAPON	7/23/2001	0.00	N	200		
DIAZINON	6/7/1997	0.00	N	NA		
DIAZINON	7/23/2001	0.00	N	NA		
DIBROMOCHLOROMETHANE	9/13/1990	0.00	N	NA		
DIBROMOCHLOROMETHANE	6/2/1997	0.00	N	NA		
DIBROMOCHLOROMETHANE	7/23/2001	0.00	N	NA		
DIBROMOMETHANE	9/13/1990	0.00	N	NA		
DIBROMOMETHANE	6/2/1997	0.00	N	NA		
DIBROMOMETHANE	7/23/2001	0.00	N	NA		
DICAMBA	7/23/2001	0.00	N	NA		
DICHLORODIFLUOROMETHANE	9/13/1990	0.00	N	NA		
DICHLORODIFLUOROMETHANE	6/2/1997	0.00	N	NA		
DICHLORODIFLUOROMETHANE	7/23/2001	0.00	N	NA		
DICHLORODIFLUOROMETHANE	6/13/2002	0.00	N	NA		
DICHLOROMETHANE	9/13/1990	2.00	N	5.00		
DICHLOROMETHANE	6/2/1997	2.00	N	5.00		
DICHLOROMETHANE	7/23/2001	0.00	N	5.00		
DIELDRIN	7/23/2001	0.00	N	NA		
DIMETHOATE	6/2/1997	0.00	N	NA		
DIMETHOATE	7/23/2001	0.00	N	NA		

Source Name: LAKE BERRYESSA - RAW Source #: 001

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
DINOSEB	6/2/1997	0.00	N	7.00		
DINOSEB	7/23/2001	0.00	N	7.00		
DIQUAT	6/2/1997	0.00	N	20.0		
DIQUAT	7/23/2001	0.00	N	20.0		
DIURON	6/2/1997	0.00	N	NA		
DIURON	7/23/2001	0.00	N	NA		
ENDOTHALL	6/2/1997	0.00	N	100		
ENDOTHALL	7/24/2001	0.00	N	100		
ENDRIN	6/2/1997	0.00	N	0.20		
ENDRIN	7/23/2001	0.00	N	0.20		
ETHYL BENZENE	9/13/1990	0.00	N	700		
ETHYL BENZENE	6/2/1997	0.00	N	700		
ETHYL BENZENE	7/23/2001	0.00	N	700		
ETHYL BENZENE	6/10/2002	0.00	N	700		
ETHYLENE DIBROMIDE	6/2/1997	0.00	N	.05		
ETHYLENE DIBROMIDE	7/23/2001	0.00	N	.05		
FLUORIDE (TEMPERATURE DEPENDENT)	9/13/1990	< 0.10	N	1.40		
FLUORIDE (TEMPERATURE DEPENDENT)	11/7/1994	0.14	Y	1.40		
FLUORIDE (TEMPERATURE DEPENDENT)	6/2/1997	0.14	Y	1.40		
FLUORIDE (TEMPERATURE DEPENDENT)	5/3/1999	< 0.10	N	1.40		
FLUORIDE (TEMPERATURE DEPENDENT)	7/23/2001	0.16	Y	1.40		
FOAMING AGENTS (MBAS)	9/13/1990	< 0.05	N	500		
FOAMING AGENTS (MBAS)	11/7/1994	< 0.05	N	500		
FOAMING AGENTS (MBAS)	6/2/1997	< 0.05	N	500		
FOAMING AGENTS (MBAS)	5/3/1999	< 0.05	N	500		
FOAMING AGENTS (MBAS)	7/23/2001	< 0.05	N	500		
HEPTACHLOR	6/2/1997	0.00	N	.01		
HEPTACHLOR	7/23/2001	0.00	N	.01		
HEPTACHLOR EPOXIDE	6/2/1997	0.00	N	.01		
HEPTACHLOR EPOXIDE	7/23/2001	0.00	N	.01		
HEXACHLOROBENZENE	7/23/2001	0.00	N	1.00		
HEXACHLOROBUTADIENE	9/13/1990	0.00	N	NA		
HEXACHLOROBUTADIENE	6/2/1997	0.00	N	NA		
HEXACHLOROBUTADIENE	7/23/2001	0.00	N	NA		
HEXACHLOROCYCLOPENTADIENE	7/23/2001	0.00	N	50.0		
HYDROXIDE	9/13/1990	< 1.00	N	NA		
HYDROXIDE	11/7/1994	< 1.00	N	NA		
HYDROXIDE	6/2/1997	< 1.00	N	NA		
HYDROXIDE	5/3/1999	< 1.00	N	NA		
HYDROXIDE	7/23/2001	< 1.00	N	NA		
IRON	9/13/1990	< 100.00	N	300		
IRON	11/7/1994	600.00	Y	300		
IRON	6/2/1997	< 100.00	N	300		
IRON	5/3/1999	< 100.00	N	300		
IRON	7/23/2001	< 100.00	N	300		
ISOPROPYLBENZENE	9/13/1990	0.00	N	NA		
ISOPROPYLBENZENE	6/2/1997	0.00	N	NA		
ISOPROPYLBENZENE	7/23/2001	0.00	N	NA		
LAB TURBIDITY	11/7/1994	7.00	Y	5.00		
LAB TURBIDITY	12/21/1994	< 0.10	N	5.00		
LAB TURBIDITY	6/2/1997	0.38	Y	5.00		
LAB TURBIDITY	5/3/1999	1.70	Y	5.00		
LAB TURBIDITY	7/23/2001	1.30	Y	5.00		
LEAD	9/13/1990	< 5.00	N	50.0		
LEAD	6/2/1997	< 5.00	N	50.0		
LEAD	5/3/1999	< 5.00	N	50.0		
LEAD	7/23/2001	< 5.00	N	50.0		
LINDANE (GAMMA-BHC)	6/2/1997	0.00	N	.20		

Source Name: LAKE BERRYESSA - RAW Station #: 001

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
LINDANE (GAMMA-BHC)	11/23/2001	0.10	N	0.2		
M,P XYLENE	6/13/1990	0.00	N	1.750		
M,P XYLENE	6/2/1997	0.00	N	1.750		
M,P XYLENE	7/23/2001	0.00	N	1.750		
M XYLENE	7/23/2001	0.00	N	1.750		
MAGNESIUM	9/23/1980	32.00	Y	NA		
MAGNESIUM	11/7/1994	26.00	Y	NA		
MAGNESIUM	6/27/1997	23.00	Y	NA		
MAGNESIUM	5/3/1999	26.00	Y	NA		
MAGNESIUM	7/23/2001	32.00	Y	NA		
MANGANESE	9/13/1990	< 30.00	N	50.0		
MANGANESE	11/7/1994	56.00	Y	50.0		
MANGANESE	6/2/1997	< 30.00	N	50.0		
MANGANESE	5/3/1999	< 20.00	N	50.0		
MANGANESE	7/23/2001	< 30.00	N	50.0		
MERCURY	9/13/1990	< 0.00	N	2.00		
MERCURY	11/7/1994	< 1.00	N	2.00		
MERCURY	6/2/1997	< 1.00	N	2.00		
MERCURY	5/3/1999	< 1.00	N	2.00		
MERCURY	7/23/2001	< 1.00	N	2.00		
METHOMYL	6/2/1997	0.00	N	NA		
METHOMYL	7/23/2001	0.00	N	NA		
METHOXYCHLOR	6/2/1997	0.00	N	40.0		
METHOXYCHLOR	7/23/2001	0.00	N	40.0		
METHYL TERT-BUTYL ETHER (MTBE)	6/2/1997	0.00	N	NA		
METHYL TERT-BUTYL ETHER (MTBE)	7/23/2001	0.00	N	NA		
METHYL TERT-BUTYL ETHER (MTBE)	6/10/2002	0.00	N	NA		
METOLACHLOR	6/2/1997	0.00	N	NA		
METOLACHLOR	7/23/2001	0.00	N	NA		
METRIBUZIN	6/2/1997	0.00	N	NA		
METRIBUZIN	7/23/2001	0.00	N	NA		
MOLINATE	6/2/1997	0.00	N	20.0		
MOLINATE	7/23/2001	0.00	N	20.0		
MONOCHLOROBENZENE	9/13/1990	0.00	N	70.0		
MONOCHLOROBENZENE	6/2/1997	0.00	N	70.0		
MONOCHLOROBENZENE	7/23/2001	0.00	N	70.0		
N-BUTYLBENZENE	9/13/1990	0.00	N	NA		
N-BUTYLBENZENE	6/2/1997	0.00	N	NA		
N-BUTYLBENZENE	7/23/2001	0.00	N	NA		
NAPHTHALENE	6/2/1997	0.00	N	NA		
NAPHTHALENE	7/23/2001	0.00	N	NA		
NICKEL	11/7/1994	< 10.00	N	100		
NICKEL	6/2/1997	< 10.00	N	100		
NICKEL	5/3/1999	< 10.00	N	100		
NICKEL	7/23/2001	< 10.00	N	100		
NITRATE (AS NO3)	9/13/1990	< 0.00	N	45.0		
NITRATE (AS NO3)	11/7/1994	< 4.50	N	45.0		
NITRATE (AS NO3)	1/22/1997	< 4.50	N	45.0		
NITRATE (AS NO3)	4/7/1997	< 4.50	N	45.0		
NITRATE (AS NO3)	6/2/1997	< 4.50	N	45.0		
NITRATE (AS NO3)	5/3/1999	< 2.00	N	45.0		
NITRATE (AS NO3)	7/23/2001	< 2.00	N	45.0		
NITRITE (N)	11/7/1994	14.00	N	1000		
NITRITE (N)	6/2/1997	< 14.00	N	1000		
NITRITE (N)	5/3/1999	< 10.00	N	1000		
NITRITE (N)	7/23/2001	< 10.00	N	1000		
O XYLENE	9/13/1990	0.00	N	1750		
O XYLENE	6/2/1997	0.00	N	1750		

Source Name: LAKE BERRYESSA - RAW Source #: 001

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
O XYLENE	7/23/2001	0.00	N	1750		
ODOR THRESHOLD @ 60 C	11/7/1994	< 17.00	N	1.00		
ODOR THRESHOLD @ 60 C	6/2/1997	3.00	Y	1.00		
ODOR THRESHOLD @ 60 C	5/3/1999	< 1.00	N	3.00		
ODOR THRESHOLD @ 60 C	7/23/2001	6.00	Y	3.00		
OXAMYL	6/2/1997	0.00	N	200		
OXAMYL	7/23/2001	0.00	N	200		
P ISOPROPYLTOLUENE	9/13/1990	0.00	N	NA		
P ISOPROPYLTOLUENE	6/2/1997	0.00	N	NA		
P ISOPROPYLTOLUENE	7/23/2001	0.00	N	NA		
P XYLENE	7/23/2001	0.00	N	1750		
PENTACHLOROPHENOL	6/2/1997	0.00	N	1.00		
PENTACHLOROPHENOL	7/23/2001	0.00	N	1.00		
PH (LABORATORY)	9/13/1990	8.90	Y	NA		
PH (LABORATORY)	11/7/1994	8.10	Y	NA		
PH (LABORATORY)	6/2/1997	7.90	Y	NA		
PH (LABORATORY)	5/3/1999	9.10	Y	NA		
PH (LABORATORY)	7/23/2001	8.70	Y	NA		
PICLORAM	6/2/1997	0.00	N	500		
PICLORAM	7/23/2001	0.00	N	500		
POTASSIUM	9/13/1990	1.60	Y	NA		
PROMETRYN	6/2/1997	0.00	N	NA		
PROMETRYN	7/23/2001	0.00	N	NA		
PROPACHLOR	6/2/1997	0.00	N	NA		
PROPACHLOR	7/23/2001	0.00	N	NA		
Perchlorate	6/10/2002	0.00	N			
SEC BUTYLBENZENE	9/13/1990	0.00	N	NA		
SEC BUTYLBENZENE	6/2/1997	0.00	N	NA		
SEC BUTYLBENZENE	7/23/2001	0.00	N	NA		
SELENIUM	9/13/1990	< 5.00	N	50.0		
SELENIUM	11/7/1994	< 5.00	N	50.0		
SELENIUM	6/2/1997	< 5.00	N	50.0		
SELENIUM	5/3/1999	< 5.00	N	50.0		
SELENIUM	7/23/2001	< 5.00	N	50.0		
SILVER	9/13/1990	< 10.00	N	100		
SILVER	11/7/1994	< 10.00	N	100		
SILVER	6/2/1997	< 10.00	N	100		
SILVER	5/3/1999	< 10.00	N	100		
SILVER	7/23/2001	< 10.00	N	100		
SIMAZINE	6/2/1997	0.00	N	4.00		
SIMAZINE	7/23/2001	0.00	N	4.00		
SODIUM	9/13/1990	10.00	Y	NA		
SODIUM	11/7/1994	10.00	Y	NA		
SODIUM	6/2/1997	9.70	Y	NA		
SODIUM	5/3/1999	10.00	Y	NA		
SODIUM	7/23/2001	11.00	Y	NA		
SPECIFIC CONDUCTANCE	9/13/1990	190.00	Y	2200		
SPECIFIC CONDUCTANCE	11/7/1994	400.00	Y	2200		
SPECIFIC CONDUCTANCE	6/2/1997	200.00	Y	2200		
SPECIFIC CONDUCTANCE	5/3/1999	190.00	Y	2200		
SPECIFIC CONDUCTANCE	7/23/2001	190.00	Y	2200		
STYRENE	9/13/1990	0.00	N	100		
STYRENE	6/2/1997	0.00	N	100		
STYRENE	7/23/2001	0.00	N	100		
SULFATE	9/13/1990	21.00	Y	600		
SULFATE	11/7/1994	25.00	Y	600		
SULFATE	6/2/1997	22.00	Y	600		
SULFATE	5/3/1999	25.00	Y	600		

Location Name: LAKE BERRYESSA - RAW Station # 001

Chemical	Date	Result	Positive Select?	MCL	Units	Notes
SULFATE	7/23/2001	22.00	N	400		
TERT-BUTYLBENZENE	5/13/1999	0.00	N	NA		
TERT-BUTYLBENZENE	6/3/1997	0.79	N	NA		
TERT-BUTYLBENZENE	7/23/2001	0.00	N	NA		
TETRACHLOROETHYLENE	5/13/1999	0.00	N	5.00		
TETRACHLOROETHYLENE	6/2/1997	0.00	N	5.00		
TETRACHLOROETHYLENE	7/23/2001	0.00	N	5.00		
THALLIUM	11/7/1994	< 2.00	N	2.00		
THALLIUM	6/2/1997	< 2.00	N	2.00		
THALLIUM	5/13/1999	< 1.00	N	1.00		
THALLIUM	7/23/2001	< 2.00	N	2.00		
THIOBENCARB	5/7/1997	0.00	N	1.00		
THIOBENCARB	7/23/2001	0.00	N	1.00		
TOLUENE	5/13/1999	0.00	N	150		
TOLUENE	6/2/1997	0.00	N	150		
TOLUENE	7/23/2001	0.00	N	150		
TOLUENE	6/10/2002	0.00	N	150		
TOTAL ALKALINITY (AS CACO3)	5/13/1999	150.00	Y	NA		
TOTAL ALKALINITY (AS CACO3)	11/7/1994	170.00	Y	NA		
TOTAL ALKALINITY (AS CACO3)	6/2/1997	120.00	Y	NA		
TOTAL ALKALINITY (AS CACO3)	5/3/1999	140.00	Y	NA		
TOTAL ALKALINITY (AS CACO3)	7/23/2001	160.00	Y	NA		
TOTAL ALPHA	11/22/1994	2.21	N	15.0		
TOTAL ALPHA	4/7/1997	1.19	N	15.0		
TOTAL ALPHA	6/2/1997	1.21	N	15.0		
TOTAL ALPHA	7/23/2001	3.19	N	15.0		
TAL ALPHA COUNTING ERROR	11/22/1994	0.81	Y	NA		
TOTAL ALPHA COUNTING ERROR	4/7/1997	0.85	Y	NA		
TOTAL ALPHA COUNTING ERROR	6/2/1997	0.87	Y	NA		
TOTAL ALPHA COUNTING ERROR	7/23/2001	0.56	Y	NA		
TOTAL FILTERABLE RESIDUE	5/13/1999	290.00	Y	1000		
TOTAL FILTERABLE RESIDUE	11/7/1994	190.00	Y	1000		
TOTAL FILTERABLE RESIDUE	6/2/1997	180.00	Y	1000		
TOTAL FILTERABLE RESIDUE	5/3/1999	180.00	Y	1000		
TOTAL FILTERABLE RESIDUE	7/23/2001	190.00	Y	1000		
TOTAL HARDNESS (AS CACO3)	5/13/1999	180.00	Y	NA		
TOTAL HARDNESS (AS CACO3)	11/7/1994	140.00	Y	NA		
TOTAL HARDNESS (AS CACO3)	6/2/1997	120.00	Y	NA		
TOTAL HARDNESS (AS CACO3)	5/3/1999	147.00	Y	NA		
TOTAL HARDNESS (AS CACO3)	7/23/2001	190.00	Y	NA		
TOTAL TRIHALOMETHANES	5/13/1999	0.00	N	100		
TOTAL TRIHALOMETHANES	6/2/1997	0.00	N	100		
TOTAL TRIHALOMETHANES	7/23/2001	0.00	N	100		
TOXAPHENE	6/2/1997	0.00	N	3.00		
TOXAPHENE	7/23/2001	0.00	N	3.00		
TRANS-1,2-DICHLOROETHYLENE	5/13/1999	0.00	N	10.0		
TRANS-1,2-DICHLOROETHYLENE	6/2/1997	0.00	N	10.0		
TRANS-1,2-DICHLOROETHYLENE	7/23/2001	0.00	N	10.0		
TRICHLOROETHYLENE	5/13/1999	0.00	N	5.00		
TRICHLOROETHYLENE	6/2/1997	0.00	N	5.00		
TRICHLOROETHYLENE	7/23/2001	0.00	N	5.00		
TRICHLOROFLUOROMETHANE	5/13/1999	0.00	N	150		
TRICHLOROFLUOROMETHANE	6/2/1997	0.00	N	150		
TRICHLOROFLUOROMETHANE	7/23/2001	0.00	N	150		
VINYL CHLORIDE	5/13/1999	0.00	N	.5		
VINYL CHLORIDE	6/2/1997	0.00	N	.5		
VINYL CHLORIDE	7/23/2001	0.00	N	.5		
XYLENES (TOTAL)	5/13/1999	0.00	N	1.75		

Source Name: **LAKE BERRYESSA - RAW** Source #: **001**

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
XYLENES (TOTAL)	6/2/1997	0.00	N	1750		
XYLENES (TOTAL)	7/21/2001	0.00	N	1750		
XYLENES (TOTAL)	6/10/2002	0.00	N	1750		
ZINC	9/1/1993	< 50.00	N	5000		
ZINC	11/7/1994	< 50.00	N	5000		
ZINC	6/2/1997	< 50.00	N	5000		
ZINC	6/1/1999	< 50.00	N	5000		
ZINC	7/21/2001	< 50.00	N	5000		

No raw water bacteriological monitoring completed

Spanish Flat Water District

System No. : 2810014 Surface source?: Yes

Enforcement Actions

ID	Status	Date signed	Month	Type	F	Remarks	Status	Date complie
ENF	SA	10 4 1999					A	
C T	PL	10/19/2001	January, 1995	03	02 03-310-355	Failure to sample-Sc	A	
C T	PL	11/16/1998	September, 1998	10	02-03-98C-063		C	12 10/1998
C T	OX	11/16/1998	September, 1998	10	02 03-98C-063		C	12 10/1998

All Bacti Samples

Date	Location	Type	CL2	Total	Fecal	Comments
12/15/1997	Hosebib At Spanish Flatwater District Office	Routine	1.3	A	A	
1/26/1998	Hosebib At Water Office	Routine	2.1	A	A	
2/9/1998	Hosebib At Water Office	Routine	1.2	A	A	
3/9/1998	Hosebib At Spanish Flatwater District Office	Routine	0.9	A	A	
4/20/1998	Hosebib At Spanish Flatwater District Office	Routine	0.8	A	A	
5/4/1998	Hosebib At Spanish Flatwater District Office	Routine	0.4	A	A	
6/15/1998	Hosebib At Water Office	Routine	1.2	A	A	
7/13/1998	Hosebib At Spanish Flatwater District Office	Routine	1.5	A	A	
8/10/1998	Hosebib At Water Office	Routine	0.8	A	A	
9/8/1998	Hosebib At Spanish Flatwater District Office	Routine	<0.1	A	A	
10/19/1998	Hosebib At Water Office	Routine	0.8	A	A	
11/16/1998	Hosebib At Water Office	Routine	0.6	A	A	
12/28/1998	Hosebib At Spanish Flatwater District Office	Routine	1.7	A	A	
1/25/1999	Hosebib At Spanish Flatwater District Office	Routine	1.7	A	A	
2/22/1999	Hosebib At Spanish Flatwater District Office	Routine	1.2	A	A	
3/22/1999	Hosebib At Spanish Flatwater District Office	Routine	1.6	A	A	
4/5/1999	Hosebib At Spanish Flatwater District Office	Routine	1.5	A	A	
5/3/1999	Hosebib At Spanish Flatwater District Office	Routine	>2.5	A	A	
6/1/1999	Hosebib At Water Office	Routine	1.5	A	A	
6/28/1999	Hosebib At Spanish Flatwater District Office	Routine	1.5	A	A	
7/20/1999	Hosebib At Water Office	Routine	1.5	A	A	
8/9/1999	Hosebib At Spanish Flatwater District Office	Routine	0.4	A	A	
9/7/1999	Hosebib At Water Office	Routine	1.2	A	A	
10/4/1999	Hosebib At Water Office	Routine	1.0	A	A	
11/1/1999	Hosebib At Spanish Flatwater District Office	Routine	0.7	A	A	
12/27/1999	Hosebib At Water Office	Routine	1.1	A	A	
1/24/2000	Hosebib At Water Office	Routine	0.5	A	A	
2/22/2000	Hosebib At Water Office	Routine	1.2	A	A	
3/20/2000	Hosebib At Water Office	Routine	0.8	A	A	
4/17/2000	Hosebib At Water Office	Routine	0.9	A	A	
5/15/2000	Hosebib At Water Office	Routine	1.0	A	A	
6/12/2000	Hosebib At Spanish Flatwater District Office	Routine	1.1	A	A	
7/10/2000	Hosebib At Spanish Flatwater District Office	Routine	1.3	A	A	
8/7/2000	HB @ water office	Routine		A	A	
9/18/2000	Hosebib At Water Office	Routine	1.5	A	A	
10/30/2000	Hosebib @ Water Office	Routine	2.2	A	A	
11/13/2000	Hosebib @ Water Office	Routine	0.3	A	A	

Date	Location	Type	CL:	Total	Fecal	Comments
12/26/2000	Hosebib @ Office	Routine	1.7	A	A	
1/8/2001	Hosebib @ Water Office	Routine	0.8	A	A	
2/20/2001	Hosebib At Spanish Flatwater District Office	Routine	0.5	A	A	
3/5/2001	Hosebib At Spanish Flatwater District Office	Routine	0.3	A	A	
4/2/2001	Hosebib @ Water Office	Routine	0.7	A	A	
5/29/2001	Hosebib @ Water Office	Routine	1.9	A	A	
6/25/2001	Hosebib At Spanish Flatwater District Office	Routine	0.9	A	A	
7/23/2001	Hosebib At Spanish Flatwater District Office	Routine	<0.1	P	A	
7/27/2001	Water Plant	Repeat		A	A	
7/27/2001	Water Office	Repeat		A	A	
7/27/2001	4101 Knoxville Rd.	Repeat		A	A	
7/27/2001	4312 #11 Spanish Flat Loop Rd.	Repeat		A	A	
8/24/2001	Hosebib @ Water Office	Routine	0.9	A	A	
9/17/2001	Hosebib @ Water Office	Routine	1.1	A	A	
10/15/2001	Hosebib @ Water Office	Routine	1.2	A	A	
11/26/2001	Hosebib @ Water Office	Routine	2.0	A	A	
12/10/2001	Hosebib @ Water Office	Routine	2.5	A	A	
1/7/2002	Hosebib @ Water Office	Routine	1.8	A	A	
2/4/2002	Hosebib @ Water Office	Routine	1.8	A	A	
3/4/2002	Hosebib At Water Office	Routine	0.8	A	A	
4/1/2002	Hosebib @ Water Office	Routine	>3.5	A	A	
5/13/2002	Hosebib @ Water Office	Routine	>3.5	A	A	
6/10/2002	Hosebib @ Water Office	Routine	0.8	A	A	

1 to Raw
water bacteriological
w. spring completed

Berryessa Pinos Water System

System No 2810009 Surface_source?. Yes

Enforcement Actions

ID	Status	Date signed	Month	Type	#	Remarks	Status	Date complie
CIT	FL	10/10/2001	January, 1996	33	02-03-01C-054	Failure to sample I&=	P	
CIT	FL	11/16/1998	September, 1998	10	02-03-98C-062		C	12/10/1998
CIT	DY	11/16/1998	September, 1998	10	02-03-98C-062		C	12/10/1998

All Bacti Samples

Date	Location	Type	CL2	Total	Fecal	Comments
12/15/1997	Hb At 109 Berryessa Dr.	Routine	0.4	A	A	
1/26/1998	Hb At 109 Berryessa Dr.	Routine	0.5	A	A	
2/9/1998	Hb At 109 Berryessa Dr.	Routine	>3.5	A	A	
3/9/1998	Hb At 109 Berryessa Dr.	Routine	0.4	A	A	
4/20/1998	Hb At 109 Berryessa Dr.	Routine	1.1	A	A	
5/4/1998	Hb At 109 Berryessa Dr.	Routine	1.8	A	A	
6/15/1998	Hb At 109 Berryessa Dr.	Routine	0.2	A	A	
7/13/1998	Hb At 109 Berryessa Dr.	Routine	1.0	A	A	
8/10/1998	Hb At 109 Berryessa Dr.	Routine	0.9	A	A	
9/8/1998	Hb At 109 Berryessa Dr	Routine	0.8	A	A	
10/19/1998	Hb At 109 Berryessa Dr.	Routine	0.3	A	A	
11/16/1998	Hb At 109 Berryessa Dr.	Routine	2.0	A	A	
12/28/1998	Hb At 109 Berryessa Dr.	Routine	0.1	A	A	
1/25/1999	Hb At 109 Berryessa Dr.	Routine	>3.5	A	A	
2/22/1999	Hb At 109 Berryessa Dr	Routine	0.5	A	A	
3/22/1999	Hb At 109 Berryessa Dr	Routine	2.0	A	A	
4/5/1999	Hb At 109 Berryessa Dr.	Routine	2.5	A	A	
5/3/1999	Hb At 109 Berryessa Dr.	Routine	>2.5	A	A	
6/1/1999	Hb At 109 Berryessa Dr.	Routine	1.0	A	A	
6/28/1999	Hb At 109 Berryessa Dr.	Routine	1.6	A	A	
7/26/1999	Hb At 109 Berryessa Dr.	Routine	>3.5	A	A	
8/9/1999	Hb At 109 Berryessa Dr	Routine	2.0	A	A	
9/7/1999	Hb At 109 Berryessa Dr.	Routine	2.1	A	A	
10/4/1999	Hb At 109 Berryessa Dr.	Routine	1.0	A	A	
11/1/1999	Hb At 109 Berryessa Dr.	Routine	1.0	A	A	
12/27/1999	Hb At 109 Berryessa Dr.	Routine	2.0	A	A	
1/24/2000	Hb At 109 Berryessa Dr	Routine	2.5	A	A	
2/22/2000	Hb At 109 Berryessa Dr	Routine	1.3	A	A	
3/20/2000	Hb At 109 Berryessa Dr.	Routine	0.8	A	A	
4/17/2000	Hb At 109 Berryessa Dr.	Routine	2.0	A	A	
5/15/2000	Hb At 109 Berryessa Dr.	Routine	2.0	A	A	
6/12/2000	Hb At 109 Berryessa Dr	Routine	2.2	A	A	
7/10/2000	Hb At 109 Berryessa Dr.	Routine	1.1	A	A	
8/7/2000	HB @ 109 Berressa	Routine		A	A	
9/18/2000	109 Berryessa Dr.	Routine	2.5	A	A	
10/30/2000	Hb At 109 Berryessa Dr.	Routine	1.4	A	A	
11/13/2000	Hb At 109 Berryessa Dr.	Routine	2.0	A	A	
12/28/2000	Hb At 109 Berryessa Dr.	Routine	1.2	A	A	

Date	Location	Type	Cl2	Total	Fecal	Comments
1/8/2001	Hb At 109 Berryessa Dr.	Routine	1.3	A	A	
2/20/2001	Hb At 109 Berryessa Dr	Routine	2.2	A	A	
3/5/2001	Hb At 109 Berryessa Dr	Routine	1.3	A	A	
4/2/2001	Hb At 109 Berryessa Dr	Routine	0.7	A	A	
5/29/2001	109 Berryessa Dr.	Routine	2.0	A	A	
6/25/2001	Hb At 109 Berryessa Dr	Routine	0.5	A	A	
7/23/2001	Hb At 109 Berryessa Dr.	Routine	0.5	A	A	
8/24/2001	Hb At 109 Berryessa Dr.	Routine	1.5	A	A	
9/17/2001	Hb At 109 Berryessa Dr	Routine	1.4	A	A	
10/15/2001	Hb At 109 Berryessa Dr	Routine	1.4	A	A	
11/26/2001	Hb At 109 Berryessa Dr	Routine	0.2	A	A	
12/10/2001	Hb At 109 Berryessa Dr	Routine	0.3	A	A	
1/7/2002	Hb At 109 Berryessa Dr	Routine	1.0	A	A	
2/4/2002	Hb At 109 Berryessa Dr.	Routine	0.4	A	A	
3/4/2002	Hb At 109 Berryessa Dr.	Routine	0.2	A	A	
4/1/2002	Hb At 109 Berryessa Dr.	Routine	>3.5	A	A	
5/13/2002	Hb At 109 Berryessa Dr.	Routine	1.8	A	A	
6/10/2002	Hb At 109 Berryessa Dr.	Routine	1.9	A	A	

No Raw Water
Bacteriological Monitoring
completed

U.S. Bureau of Reclamation-Lk. Berryessa

System No.: 2810050 Surface source?: Yes

Enforcement Actions

ID	Status	Date signed	Month	Type	#	Remarks	Status	Date complied
ENF	SA	6/3/1992				SW operations plan letter	C	4/27/1993

All Bact Samples

Date	Location	Type	CL2	Total	Fecal	Comments
12/9/1997	5520 Knoxville	Routine		A	A	
1/8/1998	5520 Knoxville	Routine		A	A	
2/19/1998	5520 Knoxville	Routine		A	A	
3/5/1998	-	Routine		A	A	
4/9/1998	Inside tap	Routine		A	A	
5/12/1998	Inside tap	Routine		P	A	
5/19/1998	Downstream	Routine		A	A	
5/19/1998	Inside tap	Routine		A	A	
5/19/1998	Upstream	Routine		A	A	
6/15/1998	Inside tap	Routine		A	A	
7/23/1998	Inside tap	Routine		A	A	
8/12/1998	Inside tap	Routine		A	A	
9/23/1998	System	Routine		A	A	
10/19/1998	System	Routine		A	A	
11/3/1998	System	Routine		A	A	
12/15/1998	System	Routine		A	A	
1/13/1999	System	Routine		A	A	
2/17/1999	System	Routine		A	A	
3/17/1999	Inside Tap	Routine		A	A	
4/26/1999	Inside Tap	Routine		A	A	
5/20/1999	Inside Tap	Routine		A	A	
6/23/1999	Inside Tap	Routine		A	A	
7/14/1999	Inside Tap	Routine		A	A	
8/24/1999	Inside Tap	Routine		A	A	
9/22/1999	Inside Tap	Routine		A	A	
10/27/1999	System	Routine		A	A	
11/16/1999	Inside Tap	Routine		A	A	
12/7/1999	inside tap	Routine		A	A	
1/11/2000	inside tap	Routine		A	A	
2/23/2000	inside tap	Routine		A	A	
3/22/2000	Inside tap	Routine		A	A	
4/25/2000	Inside tap	Routine		A	A	
5/15/2000	Inside tap	Routine		A	A	
6/13/2000	Inside tap	Routine		A	A	
7/10/2000	Inside tap	Routine		A	A	
8/3/2000	Inside tap	Routine		A	A	
9/8/2000	Inside tap	Routine		A	A	
10/5/2000	Inside tap	Routine		A	A	
11/21/2000	Inside tap	Routine		A	A	
12/12/2000	Inside tap	Routine		A	A	
1/17/2001	Inside tap	Routine		A	A	
2/13/2001	inside tap	Routine		A	A	
3/13/2001	Inside tap	Routine		A	A	
4/17/2001	Inside tap	Routine		A	A	
5/16/2001	Inside tap	Routine		A	A	
6/22/2001	Inside tap	Routine		A	A	
7/16/2001	Inside tap	Routine		A	A	
8/17/2001	Inside tap	Routine		A	A	
9/7/2001	Inside tap	Routine		A	A	
10/18/2001	Inside tap	Routine		A	A	
11/14/2001	Inside tap	Routine		A	A	
12/13/2001	Inside tap	Routine		A	A	
1/15/2002	Admin complex	Routine		A	A	
2/6/2002	Inside tap/hdqtrs	Routine		A	A	

Date	Location	Type	CL2	Total	Fecal	Comments
3/11/2002	Inside tap, wtp	Routine		A	A	
4/8/2002	Inside tap,multi bldg	Routine		A	A	
5/7/2002	Inside tap	Routine		A	A	
6/18/2002	Inside Tap	Routine		A	A	
7/9/2002	Inside Tap	Routine		A	A	

LBRID Water Bacteriological Monitoring Completed

Napa County Public Works-LBRID

System No. : 2800526 Surface_source? Yes

Enforcement Actions

ID	Status	Date signed	Month	Type	#	Remarks	Status	Date complied
CIT	OX	11/27/1998	June, 1990	36	02-03-98C-075		C	2/5/1999
CIT	FJ	2/14/1995	December, 1994	26	02-03-95C-044		P	
CIT	FJ	4/4/1995	February, 1995	22	02-03-95C-075		P	
CIT	FJ	8/7/1996	June, 1993	22	96C-132	Exceeded mcl for june 1996	C	9/5/1996
CIT	OX	8/7/1996	June, 1996	22	96C-132		C	9/5/1996
C T	FJ	9/12/1996	July, 1996	26	96C-153	Failure to repeat 7/96	C	10/29/1996
C T	OX	9/12/1996	July, 1996	26	96C-153		C	10/29/1996
CIT	FL	11/27/1996	June, 1990	36	02-03-98C-075	Filt. eff. turb. not measured	C	2/5/1999

All Bact Samples

Date	Location	Type	CL2	Tota	Fecal	Comments
12/2/1997	Zone 3: 2641 Harness	Routine	0.2	A	A	
12/15/1997	Zone 1 - Stagecoach Cyn Store	Routine	2.0	A	A	
1/16/1998	250 Lariat, Zone 2	Routine	0.9	A	A	
1/26/1998	Zone 3: 2641 Harness	Routine	0.5	A	A	
2/9/1998	Hosebib At Stagecoach Canyon Store	Routine	1.5	A	A	
2/23/1998	250 Lariat, Zone 2	Routine	1.1	A	A	
3/9/1998	Zone 3: 2641 Harness	Routine	0.6	A	A	
3/23/1998	Zone 1 Stage Coach Cyn Store Hosebib	Routine	0.9	A	A	
4/6/1998	250 Lariat Hose/Bib House	Routine	0.7	A	A	
4/20/1998	Zone 3: 2641 Harness	Routine	<0.1	P	P	
4/22/1998	2636 Harness	Repeat		A	A	
4/22/1998	2641 Harness	Repeat		A	A	
4/22/1998	2655 Harness	Repeat		A	A	
5/4/1998	Zone 1: Hb At Stage- Coach Canyon Store	Routine	1.0	A	A	
5/18/1998	250 Lariat Hose/Bib House	Routine	0.25	A	A	
6/1/1998	Zone 1 Stage Coach Cyn Store Hosebib	Routine	0.3	A	A	
6/15/1998	Rr Tap	Routine		A	A	
6/15/1998	Zone 2 H.B. At 250 Lariat	Routine	0.8	A	A	
7/13/1998	2641 Harness	Routine	3.0	A	A	
7/27/1998	Hosebib At Stagecoach Canyon Store	Routine	<0.1	A	A	
8/10/1998	Zone 2: H.B. At 250 Lariat	Routine		A	A	
8/24/1998	2641 Harness (H.B.)	Routine	0.9	A	A	
9/8/1998	R.R. Tap	Routine	1.2	A	A	
9/8/1998	Zone 1 - Stagecoach Cyn Store	Routine	0.7	A	A	
9/21/1998	Zone 2 250 Lariat	Routine	0.4	A	A	
10/5/1998	2641 Lariat Zone #3	Routine		A	A	
10/10/1998	R.R. Tap	Routine	1.7	A	A	
10/19/1998	Zone 1 - Stagecoach Cyn Store	Routine	0.6	A	A	
11/2/1998	250 Lariat Hose/Bib House	Routine		A	A	
11/16/1998	Zone 3: Hosebib At 2641 Harness	Routine		A	A	
12/14/1998	Zone 1 - Stagecoach Cyn Store	Routine	<0.1	A	A	
12/28/1998	Zone 2: 250 Lariat	Routine	2.5	A	A	
1/11/1999	2641 Harness	Routine		A	A	
1/25/1999	Zone 1: Hb At Stage- Coach Canyon Store	Routine	<0.1	A	A	
2/11/1999	Zone 1 - Stagecoach Cyn Store	Routine	0.10	A	A	

Date	Location	Type	CL2	Total	Fecal	Comments
2/22/1999	Zone 2: 250 Lariat	Routine	0.7	A	A	
3/8/1999	Zone 3: 2641 Harness	Routine		A	A	
3/22/1999	Zone 1: Hb At Stage- Coach Canyon Store	Routine	1.2	A	A	
4/5/1999	Zone 2: 250 Lariat	Routine	0.4	A	A	
4/19/1999	2641 Harness	Routine	<0.10	A	A	
5/3/1999	Zone 1 - Stagecoach Cyn Store	Routine	0.8	A	A	
5/17/1999	250 Lariat	Routine		P	A	
5/19/1999	250 Lariat	Repeat		A	A	
5/21/1999	200 Lariat	Repeat		A	A	
5/21/1999	245 Lariat	Repeat		A	A	
5/21/1999	250 Lariat	Repeat		A	A	
5/21/1999	261 Lariat	Repeat		A	A	
6/1/1999	Zone 3: 2641 Harness	Routine	0.3	A	A	
6/14/1999	2641 Harness	Routine		A	A	
7/12/1999	2641 Harness	Routine		A	A	
7/26/1999	Zone 1: Hb At Stage- Coach Canyon Store	Routine	0.7	A	A	
8/9/1999	Zone 2: H.B. At 250 Lariat	Routine	<0.1	A	A	
8/23/1999	Zone 3: 2641 Harness	Routine	0.9	A	A	
9/7/1999	Zone 1: Hosebib At Store	Routine	1.0	A	A	
9/29/1999	221 Lariat	Routine		A	A	
10/4/1999	Zone 3:Fire Hydrant Hb Opposite 2267 Harnes	Routine	0.4	A	A	
10/18/1999	2641 Harness	Routine	0.3	A	A	
11/1/1999	H.B. On Fire Hydrant At 222 Lariat	Routine	0.3	A	A	
11/18/1999	2641 Harness	Routine		A	A	
12/13/1999	2261 Stagecoach Fire Hydrant	Routine	1.0	A	A	
12/27/1999	Zone 2:Fire Hyd. H.B. At 222 Lariat St.	Routine	1.0	A	A	
1/10/2000	2697 Harness	Routine	0.5	A	A	
1/24/2000	Zone 1: Stagecoach Cyn Rd. Near Store	Routine	2.5	A	A	
2/7/2000	222 Lariat	Routine	0.2	A	A	
2/22/2000	Zone 3: Fire Hydrant @ 2697 Harness	Routine	0.2	A	A	
3/6/2000	226 Stagecoach Canyon Rd.	Routine	0.1	A	A	
3/20/2000	Zone 2: Fire Hydrant @ 222 Lariat	Routine	0.3	A	A	
4/3/2000	2697 Harness	Routine	0.4	A	A	
4/17/2000	Zone 12261 Stage Coach Cyn Store Hosebib	Routine	0.3	A	A	
5/1/2000	222 Lariat	Routine	<0.1	A	A	
5/15/2000	Zone 3: H.B. At Fire Hydrant 2697 Harness	Routine	0.5	A	A	
6/12/2000	Zone 1: Fire Hydrant Hbncar 12261 Stage Coa	Routine	0.4	A	A	
6/26/2000	222 Lariat	Routine	<0.1	A	A	
6/29/2000	2554 Harness Dr.	Routine		A	A	
7/10/2000	Zone 3: Fire Hydrant H.B. Near 2697 Harnes	Routine	<0.1	A	A	
7/24/2000	2261 Canyon Rd.	Routine	0.7	A	A	
8/7/2000	Zone 2:H.B. @ Firehydrant	Routine		A	A	
8/21/2000	2697 Harness	Routine	2.0	A	A	
9/5/2000	2261 Canyon Rd.	Routine	0.8	A	A	
9/18/2000	Zone 2:H.B.@ Fire Hyd- Rant Near 222 Lariat	Routine	0.3	A	A	
10/2/2000	2697 Harness	Routine	0.5	A	A	
10/16/2000	2261 Stage Coach Cyn Rd	Routine	0.6	A	A	
10/30/2000	Fire Hydrant Hosebib Near 222 Lariat	Routine	0.9	A	A	
11/13/2000	Zone 3: Fire Hydrant H.B. Near 2697 Harnes	Routine	0.1	A	A	
11/27/2000	Zone 1:2261 Stage Coach	Routine	1.4	A	A	
12/11/2000	222 Lariat	Routine	1.5	A	A	
12/26/2000	2697 Harness	Routine	0.5	A	A	
1/8/2001	Fire Hydrant Hosebib 1226 Stagecoach Cyn	Routine	1.1	A	A	

Date	Location	Type	Cl2	Tota	Feca	Comments
1/22/2001	222 Lariat	Routine	0.8	A	A	
2/5/2001	2697 Harness	Routine	0.6	A	A	
2/20/2001	Zone 1: Fire Hydrant Hbnear 1226 Stage Coac	Routine	0.7	A	A	
3/5/2001	Zone 2:H.B.@ Fire Hyd- Rant Near 222 Lariat	Routine	0.5	A	A	
3/19/2001	2697 Harness	Routine	0.8	A	A	
4/2/2001	Zone 1: Fire Hydrant Hbnear 2261 Stage Coac	Routine	0.7	A	A	
4/16/2001	222 Lariat	Routine		A	A	
5/14/2001	2697 Harness	Routine	0.5	A	A	
5/29/2001	Zone 1: Stage Coach Cyn Rd. Fire Hyd	Routine	1.4	A	A	
6/11/2001	222 Lariat	Routine	0.9	A	A	
6/25/2001	Zone 3: Fire Hydrant H B Near 2697 Harnes:	Routine	<0.1	A	A	
7/9/2001	2261 Stage Coach Cyn Rd	Routine	0.6	A	A	
7/23/2001	Fire Hydrant Hosebib Near 222 Lariat	Routine	<0.1	A	A	
8/6/2001	2697 Harness	Routine	0.7	A	A	
8/24/2001	Zone 1: Fire Hydrant Hb2261 Stagecoach Cyn	Routine	0.1	A	A	
9/7/2001	222 Lariat	Routine	0.8	A	A	
9/17/2001	Zone 3: Fire Hydrant H B Near 2697 Harnes:	Routine	<0.1	A	A	
10/1/2001	2261 Stage Coach Cyn Rd	Routine	0.5	A	A	
10/15/2001	Hosebib @ Fire Hydrant Near 222 Lariat	Routine	0.7	A	A	
11/16/2001	2697 Harness	Routine	0.8	A	A	
11/26/2001	Zone 1: Fire Hydrant Hbnear 12261 Stage Coa	Routine	<0.1	P	A	
11/30/2001	2225 St Coach Cyn.	Repeat		A	A	
11/30/2001	2261 St. Coach Cyn.	Repeat		A	A	
11/30/2001	2267 St Coach Cyn.	Repeat		A	A	
11/30/2001	2291 St. Coach Cyn.	Repeat		A	A	
11/30/2001	W.T.P. 2246 St. Coach Cyn.	Repeat		A	A	
11/30/2001	2237 St. Coach Cyn.	Repeat		A	A	
12/10/2001	Zone 2:H.B.@ Fire Hyd- Rant Near 222 Lariat	Routine	0.5	A	A	
12/28/2001	2697 Harness	Routine	0.7	A	A	
1/7/2002	Zone 1: Fire Hydrant Hb12261 Stagecoach Cy	Routine	0.9	A	A	
1/21/2002	222 Lariat	Routine	0.6	A	A	
2/4/2002	Zone 3: Fire Hydrant H B Near 2697 Harnes:	Routine	0.6	A	A	
2/19/2002	2261 Stage Coach Cyn Rd	Routine	0.9	A	A	
3/4/2002	Zone 2: 222 Lariat	Routine	0.8	A	A	
3/18/2002	2697 Harness	Routine	0.6	A	A	
4/1/2002	Zone 1: Fire Hydrant Nr12261 Stagecoach Cyn	Routine	0.4	A	A	
4/15/2002	222 Lariat	Routine	0.9	A	A	
5/13/2002	Zone 3: Fire Hydrant H.B. Near 2697 Harnes:	Routine	0.3	A	A	
5/28/2002	2261 Stage Coach Cyn Rd	Routine	1	A	A	
5/10/2002	Zone 2:H B @ Fire Hyd- Rant Near 222 Lariat	Routine	0.5	A	A	
6/24/2002	2697 Harness	Routine	0.7	A	A	

1.2e Raw water Bacteriological Monitoring Completed

Napa County Public Works-NBRID

System No. : 2810013 Surface source?: Yes

Enforcement Actions

ID	Status	Date signed	Month	Type	#	Remarks	Status	Date comple
CIT	FL	2/27/2001	January, 2001	26	02-03-01C-012	Repeat vio-jan 2001	C	3/16/2001
CIT	OX	11/27/1998	September, 1998	36			C	2/5/1999
CIT	FL	11/27/1998	September, 1998	36	02-03-98C-075	Fail eff. turb. not reported	C	2/5/1999

All Bacti Samples

Date	Location	Type	CL:	Total	Fecal	Comments
12/2/1997	Zone 5: Tap At Treat- Ment Plant	Routine	1.7	A	A	
12/15/1997	Zone 6: Sbragia Lane	Routine	<0.1	A	A	
1/16/1998	Zone 7 1325 Headlands	Routine	0.15	A	A	
1/26/1998	Zone 1 - 1073 Headlands	Routine	0.6	A	A	
2/9/1998	Zone 2: Hosebib At 1053 Arroyo Grande	Routine	0.5	A	A	
2/23/1998	Zone 3/1324 Steele	Routine		A	A	
2/23/1998	Zone 3: 1324 Steele Cyn Rd	Routine	0.5	A	A	
3/9/1998	Zone 4: Hosebib At 1085 Rimrock	Routine	1.1	A	A	
3/23/1998	Office Sink (Zone 5)	Routine	0.5	A	A	
4/6/1998	Spragia Lane Hose Bib	Routine	<0.1	A	A	
4/20/1998	Zone 7 1325 Headlands	Routine	0.1	A	A	
5/4/1998	Zone 1 - 1073 Headlands	Routine	0.2	A	A	
5/18/1998	Hosebib At House, 1053 Arroyo Grandu	Routine	0.5	A	A	
6/1/1998	Zone 1 - 1073 Headlands	Routine	0.3	A	A	
6/3/1998	1154 A Grande	Special	0.50	A	A	
6/3/1998	1053 A Grande	Special	0.50	A	A	
6/3/1998	1006 A. Grande	Special	0.50	A	A	
6/3/1998	1038 A. Linda	Special	0.50	A	A	
6/3/1998	829 B.Vista	Special	0.45	A	A	
6/15/1998	Zone 2 Hosebib At 1053 Arroyo Grande	Routine	0.5	A	A	
7/13/1998	Zone 3: 1324 Steele Cyn Rd.	Routine	0.4	A	A	
7/27/1998	Zone 4: Hosebib At 1085 Rimrock	Routine	1.2	A	A	
8/10/1998	Zone 5: Tap At Treat- Ment Plant	Routine		A	A	
8/24/1998	Spragia Lane	Routine		A	A	
9/8/1998	Zone 7: 1325 Headlands	Routine	0.8	A	A	
9/21/1998	1073 Headlands (Zone 1)	Routine		A	A	
10/5/1998	Zone 2	Routine		A	A	
10/19/1998	Zone 3: 1324 Steele Cyn Rd	Routine	0.5	A	A	
11/2/1998	1085 Rimrock Hosebib At House	Routine		A	A	
11/16/1998	Zone 5: Tap At Treat- Ment Plant	Routine		A	A	
12/14/1998	Zone 6: Sbragia Lane	Routine	<0.1	A	A	
12/28/1998	Zone 7: 1325 Headlands	Routine	0.2	A	A	
1/11/1999	1053 Arroyo Grande	Routine		A	A	
1/25/1999	Zone 3: 1324 Steel Cyn	Routine	0.3	A	A	
2/11/1999	Zone 6: Sbragia Lane	Routine		A	A	
2/22/1999	Zone 7: 1325 Headlands	Routine	0.2	A	A	
3/8/1999	Zone 1 - 1073 Headlands	Routine		A	A	
3/22/1999	Zone 2: 1050 Arroyo Grande	Routine	0.7	A	A	
4/5/1999	Zone 3: 1324 Steele Cyn Rd.	Routine	0.4	A	A	
4/19/1999	1085 Rimrock	Routine	<0.10	A	A	

Date	Location	Type	CL2	Total	Fecal	Comments
5/3/1999	Zone 5: Tap At Treat- Ment Plant	Routine	0.8	A	A	
5/17/1999	Sprag-a Lane	Routine		A	A	
6/1/1999	Zone 7: Hosebib At 1325 Head ands	Routine	0.9	A	A	
6/14/1999	1325 Head ands	Routine		A	A	
7/12/1999	1324 Steele Canyon Rd.	Routine		A	A	
7/26/1999	Zone 4: Hosebib At 1085 Rimrock	Routine	1.9	A	A	
8/9/1999	Zone 5: Tap At Treat- Ment Plant	Routine	1.5	A	A	
8/23/1999	Zone 6: Sbragia Land	Routine	0.4	A	A	
9/7/1999	Zone 7: Hosebib At 1325 Head ands	Routine	1.0	A	A	
9/20/1999	Zone 1 - Hosebib At 1073 Headlands	Routine	1.2	A	A	
10/4/1999	Zone 2: Hosebib At 1053 Arroyo Grande	Routine	1.5	A	A	
10/18/1999	1053 Arroyo Grande	Routine	1.1	A	A	
11/1/1999	Zone 4: Hosebib At 1085 Rimrock	Routine	2.0	A	A	
11/18/1999	Treatment Plant	Routine	1.6	A	A	
12/13/1999	Sample Box Sbragia Ln.	Routine	0.4	A	A	
12/27/1999	Zone 7: 1325 Headlands H B	Routine	1.0	A	A	
1/10/2000	1073 Headlands	Routine	1.3	A	A	
1/24/2000	Zone 2: 1053 Arroyo Grande	Routine	1.0	A	A	
2/7/2000	1324 Steele Canyon Rd.	Routine	0.4	A	A	
2/22/2000	Zone 4: Hosebib At 1085 Rimrock	Routine	1.2	A	A	
3/6/2000	Treatment Plant	Routine		A	A	
3/20/2000	Zone 6: Sbragia Lane	Routine	0.5	A	A	
4/3/2000	1325 Headlands	Routine	0.5	A	A	
4/17/2000	1073 Headlands (Zone 1)	Routine	0.8	A	A	
5/1/2000	1053 Arroyo Grande	Routine	0.9	A	A	
5/15/2000	Zone 3: H.B. At 1324 Steal Cyn Rd.	Routine	0.5	A	A	
6/12/2000	Zone 4: Hosebib At 1085 Rimrock	Routine	1.6	A	A	
6/26/2000	Treatment Plant	Routine	1.2	A	A	
7/10/2000	Zone 6: Hosebib At Sbragia Ln.	Routine	0.4	A	A	
7/24/2000	1325 Headlands	Routine	0.2	A	A	
8/7/2000	Hosebib@1073 Headlands	Routine		A	A	
8/21/2000	1053 Arroyo Grande	Routine	0.2	A	A	
9/5/2000	1324 Steel Canyon Rd	Routine	<0.1	A	A	
9/18/2000	Zone 4: Hosebib At 1085 Rimrock	Routine	1.5	A	A	
10/2/2000	Treatment Plant	Routine	0.6	A	A	
10/16/2000	3596 Sbragia Ln.	Routine	0.8	A	A	
10/30/2000	Zone 7: 1325 Head ands	Routine	0.2	A	A	
11/13/2000	Zone 1: Hosebib At 1073 Headlands	Routine	0.5	A	A	
11/27/2000	Zone 2: 1053 Arroyo Grande	Routine	1.4	A	A	
12/11/2000	1324 Steel Canyon Rd	Routine	0.4	A	A	
12/28/2000	1085 Rimrock	Routine	0.8	A	A	
1/8/2001	Zone 5 Treatment Plant	Routine	1.3	P	A	
1/10/2001	Zone 5 After	Repeat	1.55	A	A	
1/10/2001	Zone 5 Before	Repeat	1.55	A	A	
1/22/2001	Sbragia Ln.	Routine	0.9	A	A	
2/5/2001	1325 Headlands	Routine	0.8	A	A	
2/20/2001	Zone 1: Hb At 1073 Headlands	Routine	0.8	A	A	
3/5/2001	Zone 2: Hosebib @ 1053 Arroyo Grande	Routine	0.8	A	A	
3/8/2001	Zone 1 1073 Head land	Routine		A	A	
3/8/2001	Zone 2 1053 Arroyo Grande	Routine		A	A	
3/8/2001	Zone 3 1324 Steele Canyon	Routine		A	A	
3/8/2001	Zone 4 1085 Rimrock	Routine		A	A	

Date	Location	Type	CL2	Total	Fecal	Comments
3/8/2001	Zone 5 Sewer Treatment Plant	Routine		A	A	
3/8/2001	Zone 6 Sbragia	Routine		A	A	
3/8/2001	Zone 7 1325 Head land	Routine		A	A	
3/19/2001	1324 Steel Canyon Rd.	Routine	0.9	A	A	
4/2/2001	Zone 4: Hosebib At 1085 Rimrock	Routine	1.0	A	A	
4/19/2001	Treatment Plant	Routine	1.8	A	A	
5/14/2001	Sbragia Ln	Routine	0.7	A	A	
5/29/2001	Zone 7: Hosebib At 1325 Headlands	Routine	0.8	A	A	
6/11/2001	1073 Headlands	Routine	0.8	A	A	
6/25/2001	Zone 2: Hosebib @ 1053 Arroyo Grande	Routine	0.7	A	A	
7/9/2001	1324 Steel Canyon Rd.	Routine	0.8	A	A	
7/23/2001	Zone 4: Hosebib At 1085 Rimrock	Routine	1.5	A	A	
8/6/2001	Treatment Plant	Routine	1.0	A	A	
8/24/2001	Zone 6: Sbragia Ln. H.B @ Fire Hydrant	Routine	0.3	A	A	
9/7/2001	1325 Headlands	Routine	0.9	A	A	
9/17/2001	Zone 1: Hosebib At 1073 Headlands	Routine	1.2	A	A	
10/1/2001	1053 Arroyo Grande	Routine	0.4	A	A	
10/15/2001	Zone 3: 1324 Steel Canyon Rd.	Routine	1.0	A	A	
11/16/2001	1085 Rimrock	Routine	0.5	A	A	
11/26/2001	Zone 5: Hosebib Outside water Treat. Plant	Routine	0.7	A	A	
12/10/2001	Zone 6: Hb At Sbragia Ln.	Routine	0.8	A	A	
12/28/2001	1325 Headlands	Routine	0.8	A	A	
1/7/2002	Zone 1: Hosebib At 1073 Headlands	Routine	1.2	A	A	
1/21/2002	1053 Arroyo Grande	Routine	0.7	A	A	
2/4/2002	Zone 3: Hosebib @ 1324 Steele Canyon Rd.	Routine	0.7	A	A	
2/19/2002	1085 Rimrock	Routine	0.6	A	A	
3/4/2002	Zone 5: Treatment Plant Sink	Routine	0.5	A	A	
3/18/2002	Hosebib @ Sbragia Ln.	Routine	0.8	A	A	
4/1/2002	Zone 7: Hosebib At 1325 Headlands	Routine	0.4	A	A	
4/15/2002	1073 Headlands	Routine	0.7	A	A	
5/13/2002	Zone 2: Hosebib @ 1053 Arroyo Grande	Routine	1.4	A	A	
5/28/2002	1324 Steel Canyon Rd	Routine	0.8	A	A	
6/10/2002	Zone 4: Hosebib At 1085 Rimrock	Routine	1.9	A	A	
6/24/2002	Sink @ T P.	Routine	1.6	A	A	

Rancho Monticello Resort

System No : 2810010 Surface_source?: Yes

Enforcement Actions

ID	Status	Date signed	Month	Type	#	Remarks	Station	Date sampled
C/T	FI	10-10-2001	January 1996	03	02-03-01C-053	Failure to sample-I&C	P	
C/T	SI	1-24-1996	December 1995	26	02-03-96C-013	Bacti repeat violation	C	2/20/1996
C/T	OX	1-24-1996	December 1995	26	96C-013		C	2/20/1996

All Bacti Samples

Date	Location	Type	Cl2	Total	Fecal	Comments
12/2/1997	Sink In Treatment Plant	Routine	1.2	A	A	
12/15/1997	Tap At Water Plant At White's House	Routine	1.1	A	A	
12/29/1997	Sink In Treatment Plant	Routine	1.2	A	A	
1/16/1998	Sink In Treatment Plant	Routine	1.1	A	A	
1/26/1998	Tap At Water Plant At White's House	Routine	1.1	A	A	
3/9/1998	Tap At Water Plant At White's House	Routine	1.7	A	A	
3/23/1998	Sink-Pump House	Routine	1.15	A	A	
4/6/1998	Sink In Treatment Plant	Routine	1.2	A	A	
4/20/1998	Tap At Water Plant At White's House	Routine	0.7	A	A	
5/4/1998	Tap At Sink At White's House	Routine	1.1	A	A	
5/18/1998	Sink In Treatment Plant	Routine	1.0	A	A	
6/1/1998	Sink In Treatment Plant	Routine	1.2	A	A	
6/15/1998	Tap At Water Plant At White's House	Routine	1.3	A	A	
6/29/1998	Sink At Plant	Routine	1.0	A	A	
7/13/1998	Hosebib At White's House	Routine	1.0	A	A	
7/27/1998	Sink In Treatment Plant	Routine	1.1	A	A	
8/10/1998	Tap At Water Plant At White's House	Routine	1.0	A	A	
8/24/1998	Sink At Treatment Plant	Routine	0.9	A	A	
9/8/1998	Tap At Water Plant At White's House	Routine	1.2	A	A	
9/21/1998	Sink At Treatment Plant	Routine	1.0	P	A	
9/23/1998	Water Plant Sink	Repeat	1.17	A	A	
9/23/1998	M-352	Repeat	1.32	A	A	
9/23/1998	M-340	Repeat	1.07	A	A	
10/5/1998	Sink At Treatment Plant	Routine	1.0	P	P	
10/8/1998	Water Plant	Repeat	1.58	A	A	
10/8/1998	M-240	Repeat	1.35	A	A	
10/8/1998	M-351	Repeat	1.35	A	A	
10/19/1998	Tap At Water Plant At White's House	Routine	1.0	A	A	
11/2/1998	Sink At Treatment Plant	Routine		A	A	
11/16/1998	Hosebib At White's House	Routine	0.7	A	A	
12/1/1998	Site #239 Hosebib At Trailer	Routine	0.9	A	A	
12/14/1998	#300	Routine	0.4	A	A	
12/28/1998	Hosebib At White's House	Routine	1.1	A	A	
1/11/1999	#239	Routine		A	A	
1/25/1999	Hosebib At White's House	Routine	1.3	A	A	
2/11/1999	Hosebib At Picnic Area	Routine		A	A	
2/22/1999	Hosebib At White's House	Routine	1.05	A	A	
3/8/1999	#239	Routine		A	A	
3/22/1999	Hosebib At White's House	Routine	0.5	A	A	

Date	Location	Type	CL.	Total	Fecal	Comments
4/5/1999	Hosebib At White's House	Routine	1.5	A	A	
4/19/1999	Hosebib At Lot Off Main Rd.	Routine	1.0	A	A	
5/3/1999	Hosebib At White's House	Routine	0.8	A	A	
5/17/1999	Hosebib Off Main Rd	Routine		A	A	
6/1/1999	Hosebib At White's House	Routine	1.0	A	A	
6/14/1999	Hosebib At Main Rd.	Routine		A	A	
6/28/1999	Hosebib At White's House	Routine	0.5	A	A	
7/12/1999	Hosebib Off Main Rd.	Routine		A	A	
7/26/1999	Hosebib At White's House	Routine	0.7	A	A	
8/9/1999	Hosebib At White's House	Routine	1.0	A	A	
8/23/1999	Campground Hosebib At Space 16	Routine	1.5	A	A	
9/7/1999	Hosebib At White's House	Routine	1.2	A	A	
9/20/1999	Campground Space 16 Hosebib	Routine	0.5	A	A	
10/4/1999	Hosebib At White's House	Routine	1.0	A	A	
10/18/1999	Site #16	Routine	1.2	A	A	
11/1/1999	Hosebib At White's House	Routine	0.5	A	A	
11/18/1999	Campground Site #17	Routine	<0.1	A	A	
11/29/1999	Tap At Water Plant At White's House	Routine	1.3	A	A	
12/13/1999	Site #16 Campground	Routine	0.5	A	A	
12/27/1999	Hosebib At White's House	Routine	0.9	A	A	
1/10/2000	Lot #16	Routine	0.7	A	A	
1/24/2000	Hosebib At White's House	Routine	0.6	A	A	
2/7/2000	Lot #16	Routine	0.8	A	A	
2/22/2000	Hosebib At White's House	Routine	1.0	A	A	
3/6/2000	#16	Routine	0.6	A	A	
3/20/2000	Hosebib At White's House	Routine	1.1	A	A	
4/3/2000	Site 16	Routine	0.5	A	A	
4/17/2000	Hosebib At White's House	Routine	1.5	A	A	
5/1/2000	Hosebib @ Campsite #8	Routine	1.1	A	A	
5/15/2000	Hosebib At White's House	Routine	1.2	A	A	
5/30/2000	Lot #9	Routine	2.1	A	A	
6/12/2000	Hosebib At White's House	Routine	1.1	A	A	
6/26/2000	Lot #8	Routine	0.4	A	A	
7/10/2000	Hosebib At White's House	Routine	1.8	A	A	
7/24/2000	Lot #7	Routine	1.5	A	A	
8/7/2000	HB @ Whites house	Routine		A	A	
8/21/2000	Lot #8	Routine	0.5	A	A	
9/5/2000	Lot #9	Routine	1.2	A	A	
9/16/2000	Hosebib At White's House	Routine	1.0	A	A	
10/2/2000	Lot #9	Routine	1.3	A	A	
10/16/2000	Lot #8	Routine	0.5	A	A	
10/30/2000	Hosebib At White's House	Routine	0.9	A	A	
11/13/2000	Hosebib At White's House	Routine	1.0	A	A	
11/27/2000	Campground @ Road 15, Campsite 18 H B.	Routine	0.5	A	A	
12/11/2000	Lot #8	Routine	1.4	A	A	
12/28/2000	Sink @ Office	Routine	0.9	A	A	
1/8/2001	Hosebib At White's House	Routine	0.8	A	A	
1/22/2001	Lot #8	Routine	1.6	A	A	
2/5/2001	Lot #8	Routine	0.8	A	A	
2/20/2001	Hosebib At White's House	Routine	0.9	A	A	
3/5/2001	Hosebib At White's House	Routine	0.5	A	A	

Date	Location	Type	CL	Total	Fecal	Comments
3/19/2001	Lot #8	Routine	0.9	A	A	
4/2/2001	Hosebib At White's House	Routine	0.5	A	A	
4/16/2001	Lot #8	Routine	0.6	A	A	
4/30/2001	Hosebib At Campsite 8 Near Road 15	Routine	0.7	A	A	
5/14/2001	Lot #8	Routine		A	A	
5/29/2001	Hosebib At White's House	Routine	0.9	A	A	
6/11/2001	Lot #8	Routine	0.7	A	A	
6/25/2001	Hosebib At White's House	Routine	0.6	A	A	
7/9/2001	Lot #8	Routine	1.4	A	A	
7/23/2001	Hosebib @ Entrance Office	Routine	0.7	A	A	
7/23/2001	Raw Source	Raw		275.5	6.2	←
8/6/2001	Lot #8	Routine	0.5	A	A	
8/24/2001	Hosebib At White's House	Routine	1.0	A	A	
9/7/2001	Lot #8	Routine	0.4	A	A	
9/17/2001	Hosebib At White's House	Routine	0.4	A	A	
10/1/2001	Hosebib @ Lot #8	Routine	1.1	A	A	
10/15/2001	Hosebib At White's House	Routine	1.0	A	A	
10/29/2001	Lot #8	Routine	0.7	A	A	
11/16/2001	Hosebib @ Lot #8	Routine		A	A	
11/26/2001	Hosebib At White's House	Routine	0.7	A	A	
12/10/2001	Hosebib At White's House	Routine	0.5	A	A	
12/28/2001	Lot #8 Hosebib	Routine	0.9	A	A	
1/7/2002	Hosebib At White's House	Routine	1.2	A	A	
1/21/2002	Lot #8 Hosebib	Routine	0.4	A	A	
2/4/2002	Hosebib At White's House	Routine	1.0	A	A	
2/19/2002	Lot #8 H.B.	Routine	0.8	A	A	
3/4/2002	Hosebib At White's House	Routine	0.6	A	A	
3/18/2002	Hosebib @ Lot #8	Routine	1.0	A	A	
4/1/2002	Hosebib At White's House	Routine	1.0	A	A	
4/15/2002	Hosebib @ Lot #13	Routine	1.0	A	A	
4/29/2002	Hosebib @ Space 18, Road 15 Campgroun	Routine	1.3	A	A	
5/13/2002	Hosebib At White's House	Routine	0.9	A	A	
5/28/2002	Lot #15	Routine	0.9	A	A	
6/10/2002	Hosebib At White's House	Routine	1.4	A	A	
6/24/2002	Hosebib @ Lot 13	Routine	0.6	A	A	

Pleasure Cove Resort

System No 2810011 Surface_source? Yes

Enforcement Actions

ID	Status	Date signed	Month	Type	#	Remarks	Status	Date complied
COM	FI	10/28/1999			02-03-98CO-009	Boil water notice included	P	
CIT	FJ	11/3/2000	October, 2000	41	02-03 00C-115	Noncompliance with swtr	P	
CIT	FJ	8/10/1993	April, 1993	41	02-135	Swtr citation	C	9/15/1993
CIT	FJ	7/14/1994	April, 1993	41	02-03-94C-022	Mcl & repeat sample violation	C	9/1/1994
CIT	OX	7/14/1994	May, 1994	22	02-03-94C-022		C	9/1/1994
CIT	OX	8/10/1993	April, 1993	41	02-135		C	9/15/1993

All Bacti Samples

Date	Location	Type	CL_2	Total	Fecal	Comments
		Routine		A	A	
12/2/1997	Hosebib At Picnic Area	Routine	0.15	A	A	
12/15/1997	Hosebib At Picnic Area	Routine	0.7	A	A	
12/29/1997	Hosebib At Picnic Area	Routine	<0.1	A	A	
1/16/1998	Hosebib At Picnic Area	Routine	0.65	A	A	
1/26/1998	Hosebib At Picnic Area	Routine	0.3	A	A	
2/9/1998	Hosebib At Picnic Area	Routine	0.1	A	A	
2/23/1998	Hosebib At Picnic Area	Routine	0.2	A	A	
3/9/1998	Hosebib At Picnic Area	Routine	0.8	A	A	
3/23/1998	Hosebib At Picnic Area	Routine	0.6	A	A	
4/6/1998	Hosebib At Picnic Area	Routine	0.7	A	A	
4/20/1998	Hosebib At Picnic Area	Routine	0.3	A	A	
5/4/1998	Hosebib At Picnic Area	Routine	0.3	A	A	
5/18/1998	Hosebib At Picnic Area	Routine	0.8	A	A	
6/1/1998	Hosebib At Picnic Area	Routine	0.6	A	A	
6/15/1998	Hosebib At Picnic Area	Routine	0.2	A	A	
6/29/1998	Hosebib At Picnic Area	Routine	0.1	A	A	
7/13/1998	Hosebib At Picnic Area	Routine	0.5	A	A	
7/27/1998	Hosebib At Picnic Area	Routine	0.7	A	A	
8/10/1998	Hosebib At Picnic Area	Routine	0.5	A	A	
8/24/1998	Hosebib At Picnic Area	Routine	0.8	A	A	
9/8/1998	Hosebib At Picnic Area	Routine	0.5	A	A	
9/21/1998	H.B. At Camp Site	Routine	0.2	A	A	
10/5/1998	Hosebib At Picnic Area	Routine	0.5	A	A	
10/19/1998	Hosebib At Picnic Area	Routine	1.0	A	A	
11/2/1998	Hosebib At Picnic Area	Routine	<0.1	A	A	
11/16/1998	Hosebib At Picnic Area	Routine	0.5	A	A	
12/1/1998	Hosebib At Picnic Area	Routine	0.3	A	A	
12/14/1998	Hosebib At Picnic Area	Routine	<0.1	A	A	
12/28/1998	Hosebib At Picnic Area	Routine	1.0	A	A	
1/11/1999	Hosebib At Picnic Area	Routine	0.3	A	A	
1/25/1999	Hosebib At Picnic Area	Routine	0.5	A	A	
2/11/1999	Hosebib At Picnic Area	Routine	<0.01	A	A	
2/22/1999	Picnic Area	Routine	0.3	A	A	
3/8/1999	Hosebib At Picnic Area	Routine		A	A	

Date	Location	Type	Cl.:	Total	Fecal	Comments
3/22/1999	Hosebib At Picnic Area	Routine	1.5	A	A	
4/5/1999	Hosebib At Picnic Area	Routine	1.2	A	A	
4/19/1999	H.B. At Camp Area	Routine	<0.10	A	A	
5/3/1999	Hosebib At Picnic Area	Routine	1.2	A	A	
5/17/1999	Hosebib At Picnic Area	Routine	0.4	A	A	
6/1/1999	Hosebib At Picnic Area	Routine	1.8	A	A	
6/14/1999	Hosebib At Picnic Area	Routine	0.6	A	A	
6/28/1999	Hosebib At Picnic Area	Routine	1.5	A	A	
7/12/1999	Hosebib At Picnic Area	Routine	<0.10	A	A	
7/26/1999	H.B. At Camp Area	Routine	0.2	A	A	
8/9/1999	Hosebib At Picnic Area	Routine	0.4	A	A	
8/23/1999	Hosebib At Picnic Area	Routine	0.6	A	A	
9/7/1999	Hosebib At Picnic Area	Routine	0.3	A	A	
9/20/1999	Hosebib At Picnic Area	Routine	2.0	A	A	
10/4/1999	Hosebib At Picnic Area	Routine	0.2	A	A	
10/18/1999	Hosebib At 2e	Routine	1.0	A	A	
11/1/1999	Hosebib At Picnic Area	Routine	0.2	A	A	
11/18/1999	Hosebib At Picnic Area	Routine	0.34	A	A	
11/29/1999	Hosebib At Picnic Area	Routine	0.5	A	A	
12/13/1999	Hosebib At Picnic Area	Routine	<0.1	P	A	
12/15/1999	At Site	Repeat		A	A	
12/15/1999	Downstream #10 Lakeview Circle	Repeat		A	A	
12/15/1999	Downstream #11 Lakeview Circle	Repeat		A	A	
12/15/1999	Upstream #3 Hilltop	Repeat		A	A	
12/27/1999	Hosebib At Picnic Area	Routine	0.3	A	A	
1/10/2000	Hosebib At Picnic Area	Routine	<0.1	A	A	
1/24/2000	Site #1 Campsite 2 H.B	Repeat	0.3	A	A	
1/24/2000	Site #2 At #3 Hilltop Hosebib	Repeat	0.3	A	A	
1/24/2000	Site #3 10 Lakeview Circle Hosebib	Repeat	0.3	A	A	
1/24/2000	Site #4 11 Lakeview Cir Hosebib	Repeat	0.2	A	A	
2/7/2000	Hosebib At Picnic Area	Routine	0.1	A	A	
2/22/2000	Hosebib At Picnic Area Site 2e	Routine	0.9	A	A	
3/6/2000	Hosebib At Picnic Area	Routine	0.3	A	A	
3/20/2000	Hosebib At Picnic Area	Routine	0.4	A	A	
4/3/2000	Hosebib At Picnic Area	Routine	0.2	A	A	
4/17/2000	Hosebib At Picnic Area Camp Site 2	Routine	1.8	A	A	
5/1/2000	Hosebib At Picnic Area	Routine	<0.1	A	A	
5/15/2000	Hosebib At Picnic Area Campsite #2	Routine	1.4	A	A	
5/30/2000	Hosebib At Picnic Area	Routine	2.7	A	A	
6/12/2000	Camp Site #2 - Hosebib At Picnic Area	Routine	1.0	A	A	
6/26/2000	Hosebib At Picnic Area	Routine	0.4	A	A	
7/10/2000	Campsite 2: Hosebib @ Picnic Area	Routine	0.8	A	A	
7/24/2000	Hosebib At Picnic Area	Routine	<0.1	A	A	
8/7/2000	Capsite #3	Routine		A	A	
8/21/2000	Hosebib At Picnic Area	Routine	<0.1	A	A	
9/5/2000	Hosebib At Picnic Area	Routine	<0.1	A	A	
9/19/2000	Picnic Area-Campsite 2	Routine	2.5	A	A	
10/2/2000	Hosebib At Picnic Area	Routine		A	A	
10/16/2000	Hosebib At Picnic Area	Routine	<0.1	A	A	
10/30/2000	Camp Site #2 - Hosebib At Picnic Area	Routine	0.3	A	A	
11/13/2000	Hosebib @ Campsite #2 - Picnic Area	Routine	0.4	A	A	
11/27/2000	Hosebib At Picnic Area Campside 2e	Routine	0.1	A	A	

Date	Location	Type	CL.	Total	Fecal	Comments
12/11/2000	Hosebib At Picnic Area	Routine	1.7	A	A	
12/28/2000	Hosebib At Picnic Area	Routine	0.3	A	A	
1/8/2001	Camp Site #2 - Hosebib At Picnic Area	Routine	2.0	A	A	
1/22/2001	Hosebib At Picnic Area	Routine	3.0	A	A	
2/5/2001	Hosebib At Picnic Area	Routine	0.7	A	A	
2/20/2001	Camp Site #2 - Hosebib At Picnic Area	Routine	3.5	A	A	
3/5/2001	Camp Site #2 - Hosebib At Picnic Area	Routine	2.5	A	A	
3/19/2001	Hosebib At Picnic Area	Routine	0.6	A	A	
4/2/2001	Campsite 2; Hosebib @ Picnic Area	Routine	1.8	A	A	
4/16/2001	Hosebib At Picnic Area	Routine	0.4	A	A	
4/30/2001	Hosebib At Campsite 2 @ Picnic Area	Routine	2.0	A	A	
5/14/2001	Hosebib At Picnic Area	Routine		P	A	
5/17/2001	Campsite #2	Repeat		A	A	
5/17/2001	Lakeview Circle #11	Repeat		A	A	
5/17/2001	Lakeview Circle #3	Repeat		A	A	
5/17/2001	Lakeview Circle #5	Repeat		A	A	
5/29/2001	Campsite 2 Hosebib @ Picnic Area	Routine	1.2	A	A	
6/11/2001	Hosebib At Picnic Area	Routine	0.6	A	A	
6/14/2001	Campsite E-2 Faucet	Routine		A	A	
6/25/2001	Hosebib @ Campsite 2 - @ Picnic Area	Routine	1.5	A	A	
6/28/2001	Lakeview Cir. #3	Repeat	2.5	A	A	
6/28/2001	Lakeview Cir. #5	Repeat	2.3	A	A	
6/28/2001	Lakeview Cir. #11	Repeat		A	A	
6/28/2001	Lakeview Cir. #23	Repeat	2.5	A	A	
7/11/2001	Campsite E-2	Routine	2.0	A	A	
7/27/2001	Campsite E-2 Faucet	Routine	2.0	A	A	
8/30/2001	Camp Site E-2	Routine	1.0	A	A	
9/26/2001	Camp Site E-2	Routine		A	A	
10/5/2001	Camp Site E-2	Routine	1.5	A	A	
10/18/2001	Camp site E-2	Routine		A	A	
11/5/2001	Campsite E-2	Routine		A	A	
11/19/2001	System	Routine		A	A	
12/3/2001	Campsite E-2	Routine	1.8	A	A	
12/18/2001	Campsite E-1	Routine	1.4	A	A	
1/11/2002	Campsite E-1	Routine		A	A	
2/1/2002	System	Routine		A	A	
3/15/2002	Campsite E-2	Routine		A	A	
4/10/2002	Campsite E-2	Routine		A	A	
4/22/2002	Camp Site E-2	Routine	1.0	A	A	
5/1/2002	E-2	Routine		A	A	
5/21/2002	Camp Site E-2	Routine	1.5	A	A	
6/3/2002	Campsite E-2	Routine		A	A	
6/3/2002	Raw Water	Routine		A	A	
6/18/2002	2a	Routine	1.0	A	A	

U.S. BUREAU OF RECLAMATION
LAKE BERRYESSA WATER QUALITY PROGRAM
E.Coli @ Lake Berryessa
MPN/100ml

Date	Accom Beach	Berryessa Marina	Boy Scout	Capell Boat Ramp	Capell Cove	Coyote Beach	Gun Ranch	Markley Cove	Open Lake	Pleasure Cove	Putah Swim Beach	Putah Creek	Rancho Monticello	Spanish Flat	Steele Park	South of Putah Creek
9/20/2001	2	<2	<2	<2	-	-	<2	-	<2	2	<2	-	<2	-	-	<2
10/18/2001	<2	-	-	<2	-	-	-	<2	-	-	<2	-	-	2	<2	<2
11/15/2001	8	-	7	4	-	-	-	2	-	2	2	-	4	2	4	-
12/12/2001	-	-	-	6	-	-	-	-	2	2	-	-	-	6	4	-
1/16/2002	-	8	-	4	-	-	-	-	<2	8	-	-	-	8	8	-
2/13/2002	-	-	-	2	-	-	-	<2	<2	2	-	-	-	-	-	-
3/20/2002	<2	<2	-	<2	-	-	4	-	<2	<2	<2	-	<2	<2	-	-
4/23/2002	-	2	-	-	-	-	-	<2	-	<2	<2	<2	2	-	-	-
5/16/2002	<2	-	-	<2	-	<2	-	-	-	<2	2	-	-	-	-	2
6/20/2002	<2	<2	-	-	-	<2	-	<2	<2	-	-	-	8	-	70	-
7/24/2002	<1	<1	<1	-	-	<1	-	<1	-	<1	1	<1	-	<1	-	-
8/22/2002	<2	<2	<2	<2 0	<2	8	<2	-	-	<2	14	-	<2	-	-	-
9/25/2002	<2	-	<2	-	-	-	2	-	<2	<2	-	-	<2	<2	<2	-
10/29/2002	<2	<2	<2	-	-	<2	<2	<2	<2	-	<2	-	<2	<2	<2	-
11/21/2002	-	-	-	<2	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	-
12/17/2002	-	110	-	<2	80	-	17	-	7	-	170	170	240	17	220	-
1/27/2003	-	<2	50	-	80	-	-	2	-	14	-	70	2	-	10	-
2/13/2003	<2	<2	<2	<2	-	-	-	<2	<2	-	-	<2	-	<2	<2	-
3/25/2003	<2	<2	-	-	8	-	-	<2	-	9	-	9	<2	<2	-	-
4/17/2003	<2	-	<2	-	-	-	23	-	<2	<2	-	-	<2	-	-	-
5/27/2003	2	-	<2	-	<2	<2	<2	-	<2	-	-	-	-	-	<2	-

- = No sample collected

REC-1 (swimming) = 126 MPN / 100ml mean of 5 samples in 30 days or 235 MPN /100ml in one event

Attachment 11

Wetland Delineation Report
for
Rancho Monticello Resort

ORIGINAL

United States Department of the Interior

BUREAU OF RECLAMATION
Mid Pacific Regional Office
2800 College Way
Sacramento, California 95825-1898

Bureau of Reclamation
Lake Berryessa Field Office

OFFICIAL FILE COPY		
DATE	SURNAME	CODE
6/10		420
		401
		427
6/10	CB	422

IN REPLY
REFER TO:
MP-150
ENV-2.00

MAY 30 2003

MEMORANDUM

To: Area Manager, Central California Area Office
Attn: CC-422 (CBailey)

From: James Romero
Administrative Support Branch Chief

Subject: Rancho Monticello Resort Wetland Delineation

Please find attached the Wetland Delineation Report for the Rancho Monticello Resort conducted on April 25, 2003. Please call Michelle Prowse, Environmental Specialist at 916-978-5036 or Demetria Adams, Environmental Specialist at 916-978-5053 if you have any questions.

Attachment

Classification	
Project	SOL
Control No.	
Folder I.D.	

Wetland Delineation

Rancho Monticello Resort

April 25, 2003

Table of Contents

Introduction

This wetland verification package addresses identified potential jurisdictional waters of the United States, including wetlands, for the U.S. Bureau of Reclamation (USBR) re-development and management of visitor services Project (Project). The report includes a delineation of a wetland that may be subject to U.S. Corps of Engineers (Corps) jurisdiction under Section 404 of the Clean Water Act and California Department of Fish and Game jurisdiction under Sections 1600-1607 of the California Fish and Game Code.

Study Area

The study area is comprised of an area in the Rancho Monticello Resort (RMR) at Lake Berryessa in Napa County, California (Appendix A). The wetland area studied is approximately 9,000 square feet or 0.20661 acres in size.

The growing season, which is the period between the last freezing temperature in spring and the first in fall, ranges from 215 to 260 days in Napa Valley. The growing Season near Lake Berryessa is about 285 days (see Appendix C).

The latitude is 383522N and the longitude is 1221514W, in decimal degrees, for RMR. (USDA)

Project Description

USBR is developing a comprehensive plan for the re-development and management of visitor services (commercial and non-commercial) to support traditional short-term diverse outdoor recreation opportunities at Lake Berryessa. This project is needed to correct resort operations that over the past 40 years have focused on long-term exclusive use of prime recreational areas along the Lake Berryessa shoreline and that have excluded short-term use by the general public. Present use is in conflict with current USBR policies pertaining to exclusive use. The current concession operations expire by limitation of time in 2008/2009 and the existing concessionaires have no right of preference for renewal. This project will identify changes and specific direction to assure that future installations at Lake Berryessa rectify the present conditions and introduce operations as identified in the Visitor Service Plan.

A small wetland currently exists below the area of the water treatment plant located at the RMR at Lake Berryessa. Delineation of the wetland is necessary to determine the status of the wetland and to assess potential impacts that may be encountered in the re-development effort.

Wetland Area

The area of the wetland is the area characterized as the cattail community (see data forms soil pits B. and data point E in Appendix B).

Jurisdiction and Authority

U.S. Army Corps of Engineers

The Corps regulates impacts to waters of the U.S. under the jurisdictional authority of Section 404 of the Clean Water Act (CWA) (33 U.S.C. 404 et seq.). Jurisdictional waters of the U.S. include all navigable waters, interstate waters, their tributaries, adjacent wetlands, and certain isolated waters (Federal Register 1986).

California Department of Fish and Game

The Department of Fish and Game regulates impacts to rivers, streams, or lakes under the jurisdictional authority of Sections 1600-1607 of the California Fish and Game Code. Jurisdiction over rivers and streams includes the bed, bank, and channel.

Delineation Survey and Mapping Methods

USBR Regional Office staff conducted a delineation of the project area on April 25, 2003 using the methodology in the U.S. Corps of Engineers Wetlands Delineation Manual to determine the extent of wetlands. The delineators were Michelle Prowse, Environmental Specialist, and Demetria Adams, Environmental Specialist, Division of Environmental Affairs (MP-150).

For wetland data points, plants species were identified based on Alden (1998), Blackwell (1999), Little (1980), Pojar (1994), and Whitman (1986), and Sandi Richerson, Natural Resource Specialist, USBR. Plant species percent cover was analyzed within an approximately five-foot radius at each data point. Soil pits were also excavated at wetland data points to determine the presence of hydric soil indicators with the exception of data point E since this point was inundated at the time of the delineation.

Soil colors were determined based on the Munsell soil color chart (1998). Assessment of the hydrologic criterion was based on indirect (wetland drainage patterns, high water line, drift lines, sediment deposits, etc.) indicators. Approximately half of wetland soils were moist, but not inundated and the other half of the wetland was inundated.

Data sheets used for this delineation are included in Appendix B. Data sheets were completed for 4 soil pits and one data point within the RMR area.

Characterizations of the plant communities in the area were made and plotted on a map (see Figure1). Figure 1 maps the area bordered by an oil recycling area, the RMR water treatment evaporation ponds, Main Road, and a small creek that runs next to the water treatment evaporation ponds, across Main Road (beneath the road) and continues parallel with the road. The map is not to scale.

4 soil pits were dug in the different plant communities. The soil pits are represented on the map (Figure 1) by a dot, and are labeled 'soil pit A' to 'soil pit D'. A data sheet was completed for soil pit E, although this area was inundated and the soil was not sampled. For wetland non-wetland data points, plant species were identified based on Alden (1998), Blackwell (1999), Little (1980), Pojar (1994), and Whitman (1986). The plant species were then recorded as UPL, FACU, FACW-, FACW+, FACW, OBL, NI, or N/A based on classifications by the Fish and Wildlife Service (1988) and Reed (1988).

Feature Descriptions

The area of the RMR wetland study is the level plot of ground surrounded by the following boundaries: the base of the RMR water treatment evaporation ponds, to Main Road, and the oil recycling area, to the small creek.

The soil in the RMR wetland study is classified as 154, which is Henneke gravelly loam with 30 to 75 percent slopes and 167, which is Montara clay loam with 30 to 50 percent slopes (see Appendix D) (USDA).

The dominant species found in the non-wetland area included the following: Dunegrass (*Elymus mollis*) Region 0 indicator is N/A, Mediterranean barley (*Hordeum marinum*), formarly *H. hystrix*, Family: Poaceae (Non-native) Region 0 indicator is FAC; Western buttercup (*Ranunculus occidentalis*) Region 0 indicator is FACW possibly intergraded with *Ranunculus californicus*, Family: Ranunculaceae (Native) Region 0 indicator is FAC; Italian ryegrass (*Lolium multiflorum*), Family: Poaceae (Non-native) Region 0 indicator is N/A; Common Vetch (*Vicia sativa*) Region 0 indicator is NO.

In the wetland area, the dominant plants species were, cattail (*Typha* sp.) Region 0 indicator is OBL, and pacific willow (*Salix lasiandra*) Region 0 indicator is OBL.

Soils were sampled within the different distinct plant communities within the RMR Project area.

Henneke series - 154:

> "The Henneke series consists of excessively draining soils on uplands. Slope is 5 to 75 percent. Elevation is 500 to 4,000 feet. These soils formed in material weathered from serpentine. The vegetation is scattered oak, digger pine, scrub oak, manzanita, muskbrush, toyon, MacNabb cypress, and a few annual grasses The mean annual precipitation is 25 to 45 inches, and the mean annual temperature 59 to 62 degrees F. Summers are hot and dry, and winters cool and moist. The frostfree season is 220 to 260 days." (USDA)
>
> "In a representative profile the surface layer is reddish brown, neutral gravelly loam 7 inches thick. The subsoil is reddish brown, mildly alkaline very gravelly

clay loam 8 inches thick. Fractured, greenish blue serpentine is at a depth of 15 inches." (USDA)

"Permeability is moderately slow. The effective rooting depth is 10 to 20 inches. Available water capacity is 1 to 3 inches." (USDA)

Henneke gravelly loam, 30 to 75 percent slopes.

"This steep and very steep soil is on uplands. It has the profile described as representative for the series." (USDA)

"Runoff is rapid to very rapid. The hazard of erosion is moderate to high. This soil is very low in fertility." (USDA)

Henneke gravelly loam is not on the USDA – Soil Conservation Service Hydric Soils List.

Montara series – 167:

"The Montara series consists of well drained soils on uplands. Slope is 5 to 50 percent. Elevation is 500 to 1,500 feet. These soils formed in material weathered from serpentine. The vegetation consists mainly of annual grasses and a few digger pine. The mean annual precipitation is 25 to 45 inches, and the mean annual temperature is 59 to 62 degrees F. Summers are hot and dry, and winters are cool and moist. The frost-free season is 240 to 260 days." (USDA)

Montara clay loam, 30 to 50 percent slopes.

"This steep soil is on uplands. Runoff is rapid. The hazard of erosion is high." (USDA)

Montara clay loam is not on the USDA – Soil Conservation Service Hydric Soils List.

Sampling point, labeled soil pit A on the map (Figure 1), was sampled within the grasses community in the Project area. There were no wetland plant indicators present, nor were there any wetland hydrology indicators. Soils in this area are very dark grayish brown (2.5Y 3/2), homogenous throughout the soil pit. It contains a lot of clay, is smooth and very fine with no rocks or particulates. This soil is consistent with the Montara series.

Sampling point, labeled soil pit B on the map (Figure 1), was sampled within the wetland community in the Project area. There was no standing water present. Dead Cattails were the only wetland indicators. Soils in this area are very dark brown from 0-7" (2.5YR 3/2) in depth and very dark grayish brown from 7-16" in depth (10YR 3/2) moist, and homogenous throughout the soil pit. It contains a lot of clay loam, is smooth and moderate fine with earthworms and organic matter. This soil is consistent with the Montara series.

Sampling point, labeled soil pit C on the map (Figure 1), was sampled within a community of grasses and trees in the Project area. There was no wetland plant or tree indicators present, nor any wetland hydrology indicators. Soils in this area are gravelly loam, dark reddish brown (7.5YR 3/3), slightly sticky, no silt, homogenous with fine roots and rocks throughout the soil pit. This soil is consistent with the Henneke series.

Sampling point, labeled soil pit D on the map (Figure 1), was sampled within another grass and tree community in the Project area. There was no wetland plant or tree indicators present, nor any wetland hydrology indicators. Soils in this area are very gravelly clay loam, dark reddish brown (5YR 3/2), homogenous with roots, rocks and organic matter throughout the soil. This soil is consistent with the Henneke series.

Sampling point, labeled data point E on the map (Figure 1), was sampled within the inundated area of the cattail community. There are cattails and willows present in this area, which are wetland indicators. Hydrology was present and secondary soil indicators were present (inundated).

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Contact Information and Directions

Stephen Rodgers
USBR Lake Berryessa Office
5520 Knoxville RD
Napa, CA 94558
(707) 966-2111

Getting here is easy.....

LAKE BERRYESSA VICINITY MAP

General Information

Welcome to the Lake Berryessa Recreation Area. Surrounded by rolling hills of oak, manzanita, and gray pine, Lake Berryessa is well-known by outdoor recreation enthusiasts as a favorite weekend spot. The lake stretches for nearly 25 miles with 165 miles of shoreline. Lake Berryessa offers a multitude of wildlife viewing opportunities for the general public. Surrounding terrain varies from gently-rolling hills to rugged, steep mountains with elevations ranging from 440 to 2,200 feet. In the summer, you can expect hot, dry days (90 - 100+ degrees) and cool nights (50 - 60 degrees). The winters are mild, but rain is frequent, especially between October and May.

The Bureau of Reclamation has administrative responsibility for the 20,000-acre lake and surrounding 10,000 acres of land.

The lake, day-use areas, hiking trails, visitor centers, resorts, and wildlife area offer many opportunities to visitors.

Lake Berryessa is located 70 miles northeast of San Francisco (2-hour drive) or 40 miles west of Sacramento (1-hour drive). Nearest towns are Napa to the southwest or Winters to the east. State Highway 128 borders the lake to the south, and Knoxville Road (also known as Berryessa/Knoxville) follows the lake along the west and north sides. The famous wine-growing regions of Napa and Sonoma are only 30 miles away.

Figure 4

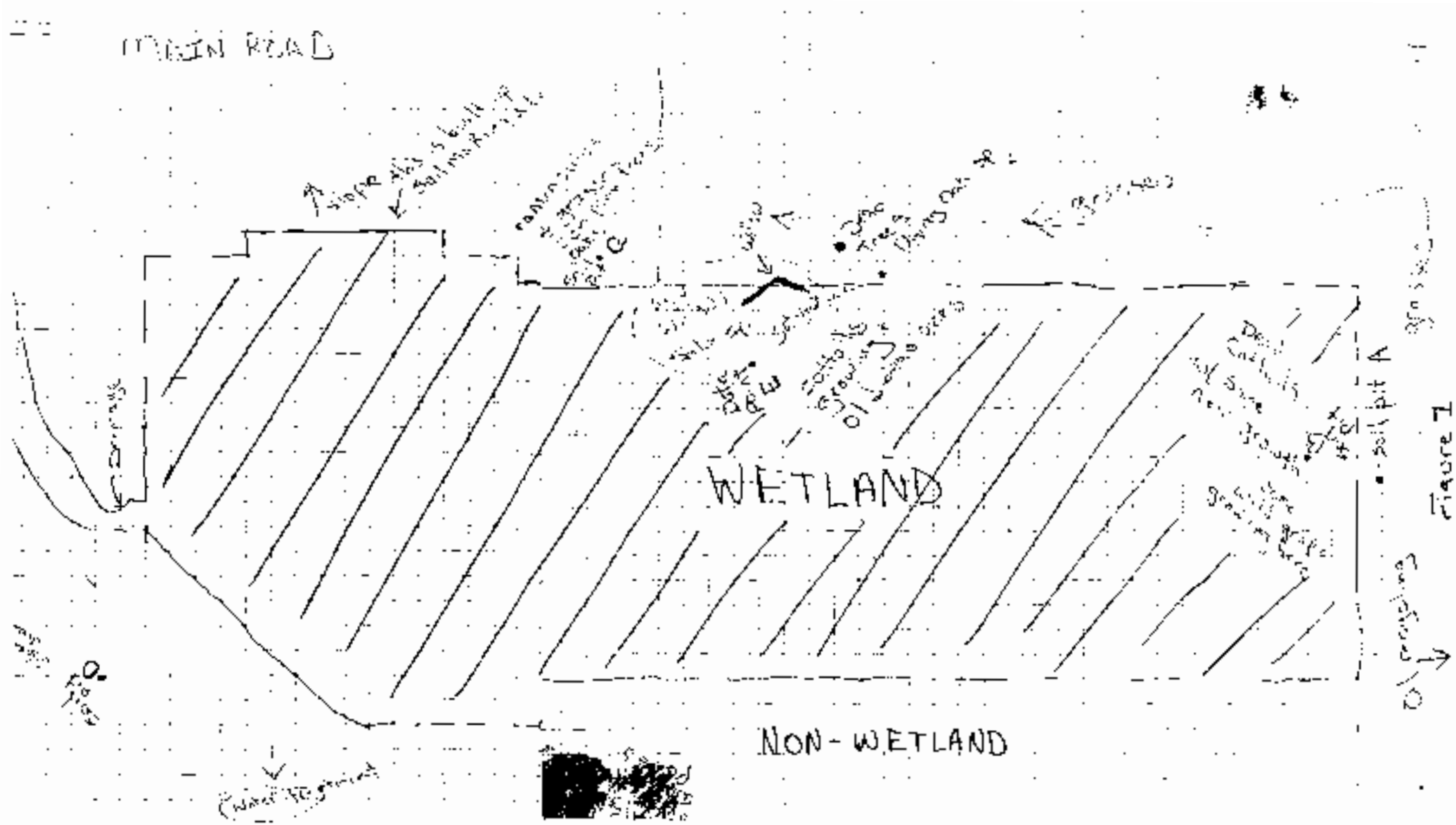
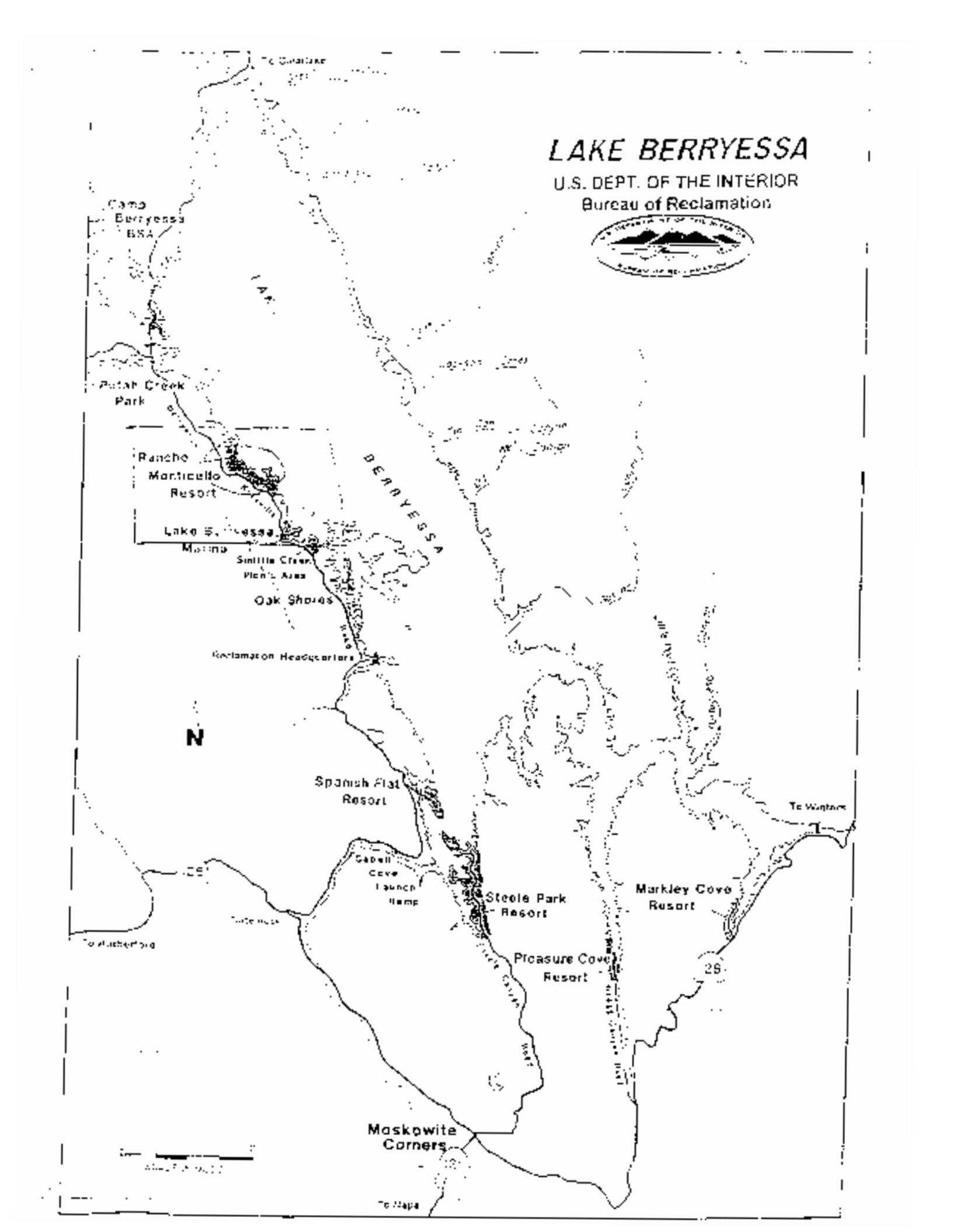


Figure 1

Appendix A


LAKE BERRYESSA
U.S. DEPT. OF THE INTERIOR
Bureau of Reclamation
Camp Berryessa BSA
Putah Creek Park
Rancho Monticello Resort
Lake Berryessa Marina
Smittle Creek Park Area
Oak Shores
Reclamation Headquarters
N
Spanish Flat Resort
Capell Cove Launch Ramp
Steele Park Resort
Markley Cove Resort
Pleasure Cove Resort
Moskowite Corners
To Winters
To Napa

Lake Berryessa

Dean's desk
Trip Planner
Home

Select a Lake
Almanor

Berryessa
Lake Map
At a Glance
About the Lake
Info Centers
Fishing Reports
Resorts and Marinas
Public Campgrounds
R.V. Parks and
Private Camps
Public Boat Ramps
Fishing the Lake
Street Maps
Local Forecasts

News
Tournaments
Derbies
Calendar
Links

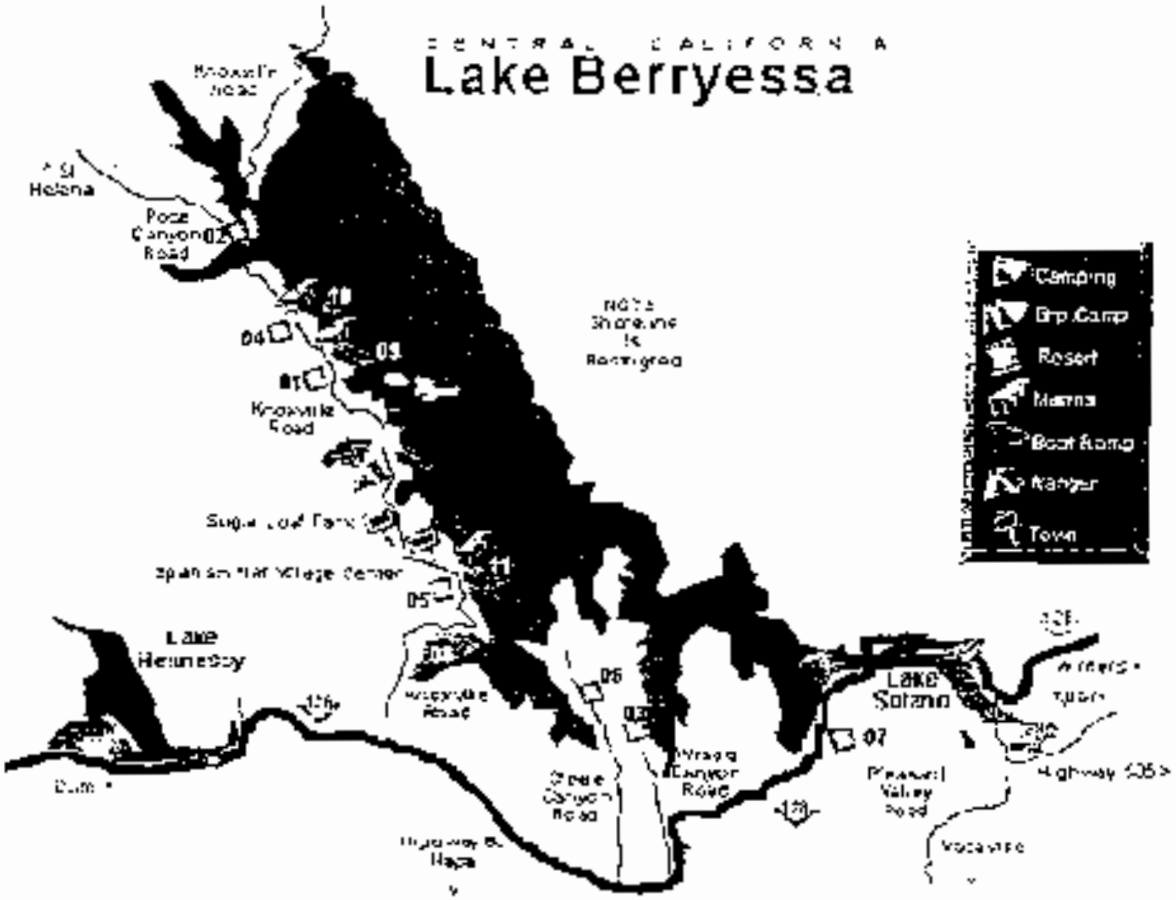
Fish Tales
Message Board
Photo Gallery

Information
Reservations
Fees
Ranger Stations
State Park Offices
Fish and Game
About Fish

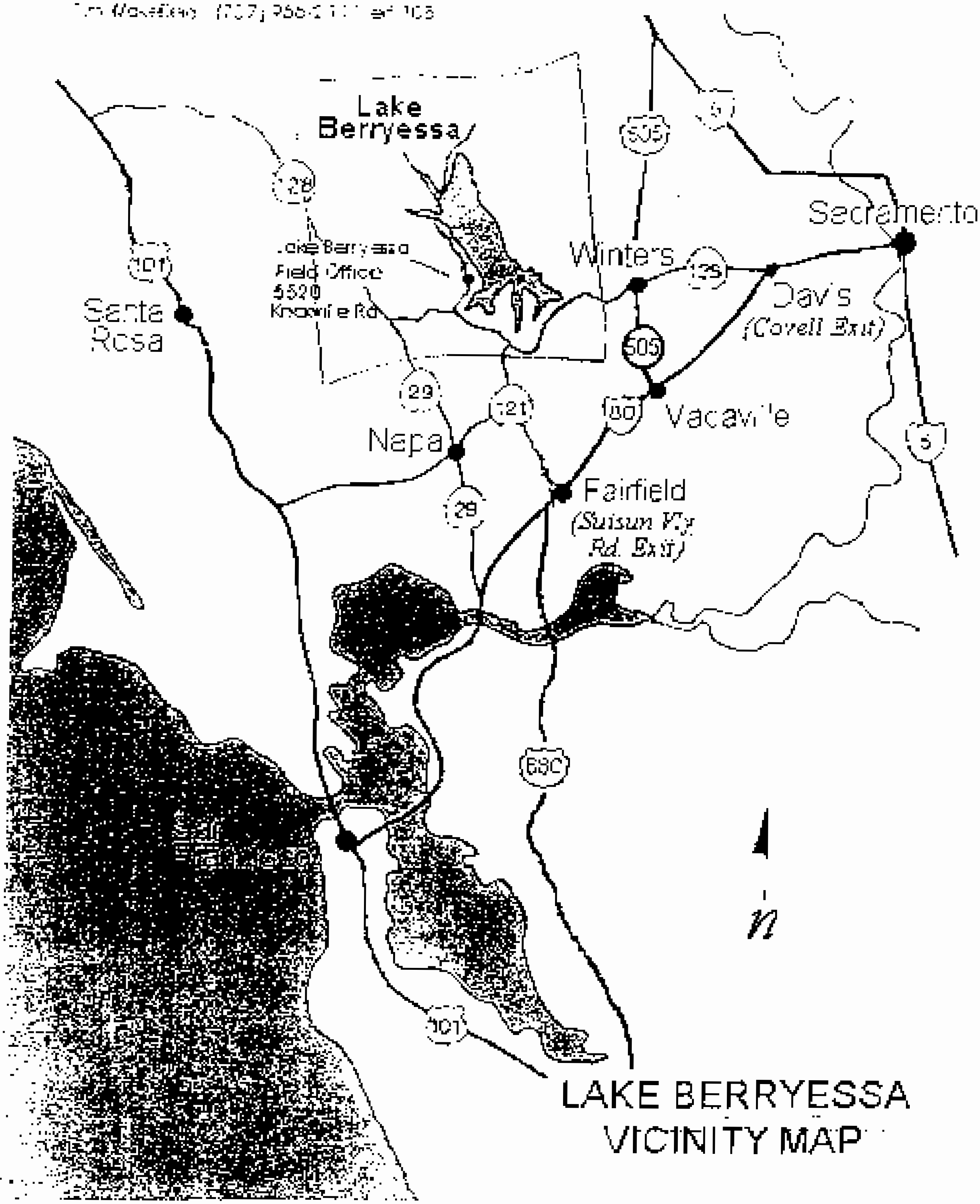
General Store
Gifts
Free Catalogs

Lake Map

Click on a point of interest.



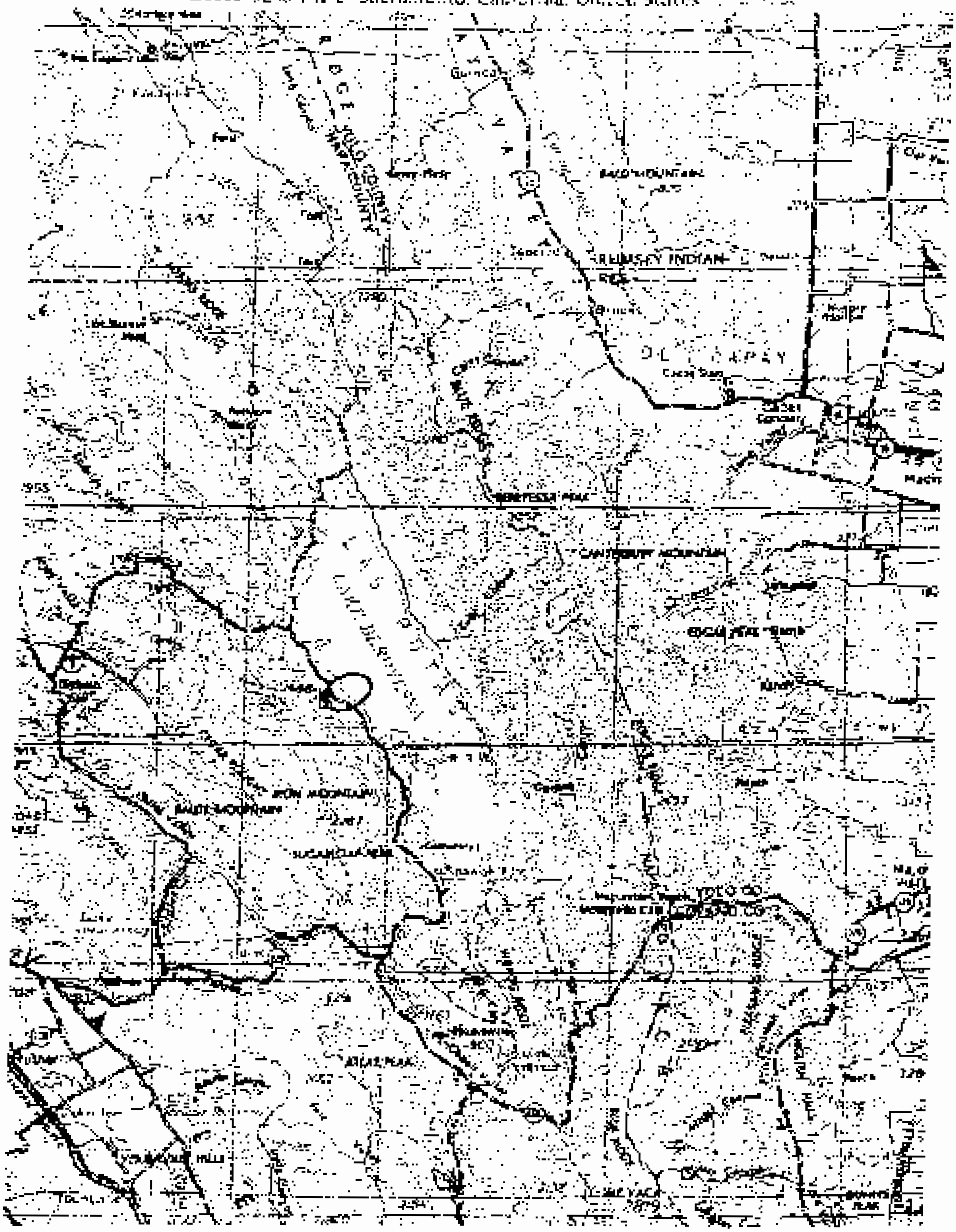
Resorts & Marinas	Campgrounds & R.V. Parks	Boat Launches
01-Lake Berryessa Marina Resort	01-Lake Berryessa Marina Resort	08-Capell Cove
07-Markley Cove Resort	02-Putah Creek Park	09-Lake Berryessa Marina Resort
02-Putah Creek Park	03-Pleasure Cove Resort	10-Rancho Monticello Resort
03-Pleasure Cove Resort	04-Rancho Monticello Resort	11-Spanish Flat
04-Rancho Monticello		



LAKE BERRYESSA
VICINITY MAP

* State Agricultural Experiment Station

USGS 52 km W of Sacramento, California, United States



0 —— 8Km   0 —— 4Mi

Image courtesy of the U.S. Geological Survey

USGS 65 km W of Sacramento, California, United States

GlobeXplorer
Water Treatment Ponds
Stable Area
Main Road

Appendix B

A

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Rancho Monticello Resort	Date: 7/23/2003
Applicant/Owner:	County: Napa
Investigator:	State: California

Do Normal Circumstances exist on the site?	Yes (No)	Community ID: Grasses
Is the site significantly disturbed (Atypical Situation)?	(Yes) No	Transect ID:
Is the area a potential Problem Area? (If needed, explain on reverse.)	Yes (No)	Plot ID:

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Elymus sp.	H	No	9.		
2. Hordeum sp.	H	No	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0/2

Remarks: Annual grasses

HYDROLOGY

___ Recorded Data (Describe in Remarks):
 ___ Stream, Lake, or Tide Gauge
 ___ Aerial Photographs
 ___ Other
___ No Recorded Data Available

Field Observations:

Depth of Surface Water: 0 (in.)

Depth to Free Water in Pit: 0 (in.)

Depth to Saturated Soil: 0 (in.)

Wetland Hydrology Indicators: None

Primary Indicators: None
 ___ Inundated
 ___ Saturated in Upper 12 Inches
 ___ Water Marks
 ___ Drift Lines
 ___ Sediment Deposits
 ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required): None
 ___ Oxidized Root Channels in Upper 12 Inches
 ___ Water-Stained Leaves
 ___ Local Soil Survey Data
 ___ FAC-Neutral Test
 ___ Other (Explain in Remarks)

Remarks:

approx 9000 sq ft
Spring
c 2066 acres

Soil Pit A

11 inches deep
0-4 roots
4-11
homogeneous

smells like soil out of [illegible]
very gluey [illegible]

~~[illegible]~~ 2.5Y 3/2 all over
very dark grayish brown

loamy clay
no rocks no particulates
smooth
very fine
balls up like clay

plants
grasses
wildrye sp. ~~[illegible]~~ Eragrostis
barley ~~[illegible]~~
Hordeum sp.

150 ft [illegible]

[illegible]

2-3-5, 14

Soil PIT 5

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: [illegible] Date: [illegible]/2003
Applicant/Owner: [illegible] County: [illegible]
Investigator: [illegible] State: CA

Do Normal Circumstances exist on the site? Yes (No) Community ID: [illegible]
Is the site significantly disturbed (Atypical Situation)? (Yes) No Transect ID: [illegible]
Is the area a potential Problem Area? Yes (No) Plot ID: [illegible]
(If needed, explain on reverse.)

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Typha sp.	H	OBL	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 1/1

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
___ Stream, Lake, or Tide Gauge
___ Aerial Photographs
___ Other
___ No Recorded Data Available

Field Observations:

Depth of Surface Water: 0 (in.)

Depth to Free Water in Pit: 0 (in.)

Depth to Saturated Soil: * 1/2 (in.)

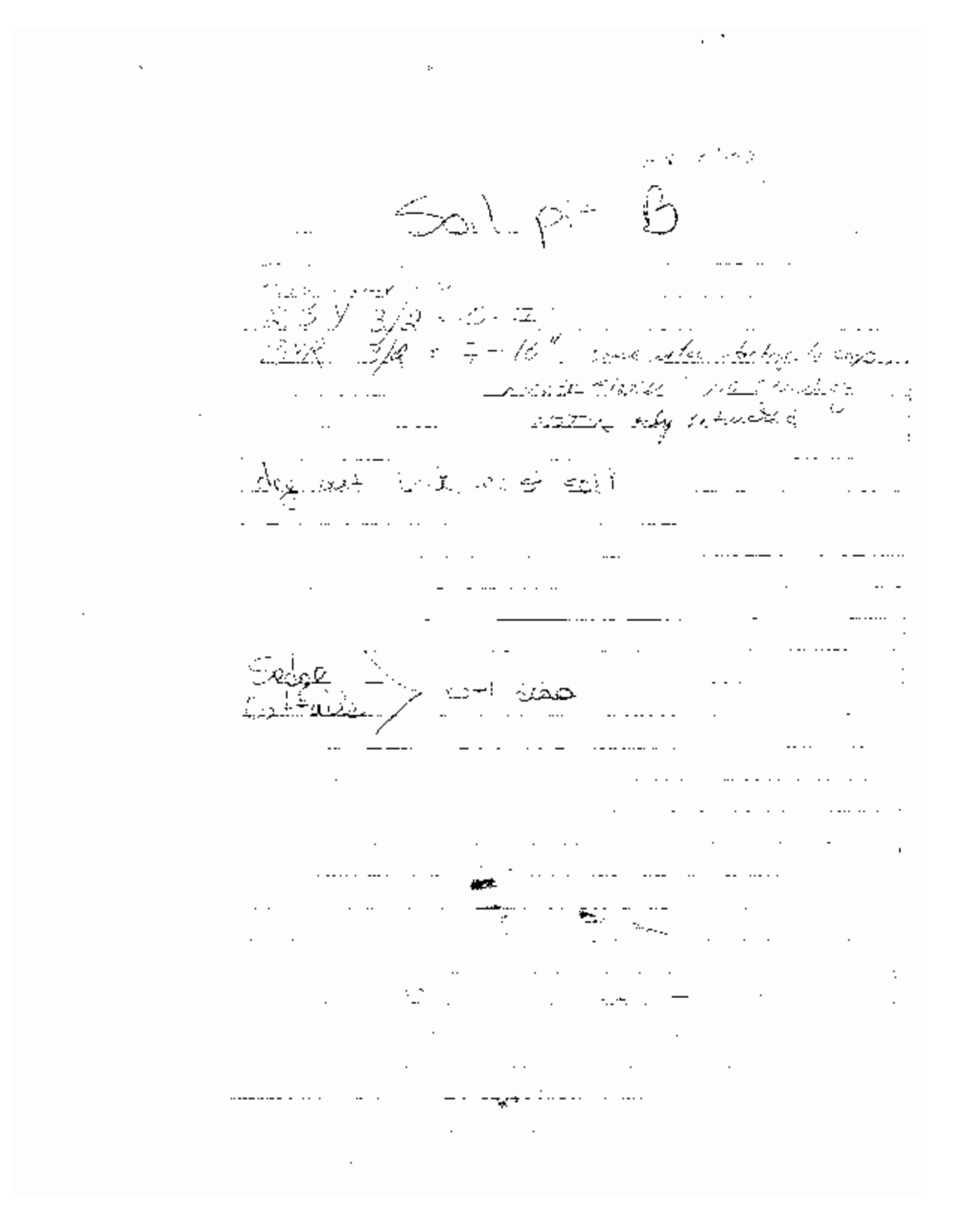
Wetland Hydrology Indicators:

Primary Indicators:
- X Inundated Fail
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- X FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks: * [illegible] pit for an hour + [illegible] water [illegible] the water [illegible] soils were [illegible] [illegible]

[illegible] about 150 [illegible] this area. USGS [illegible] [illegible] the wetland. [illegible]



DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: [illegible] Monticello [illegible] | Date: 4/22/2003
Applicant/Owner: [illegible] | County: Napa
Investigator: [illegible] Brown / [illegible] | State: CA

Do Normal Circumstances exist on the site? Yes (No) | Community ID: Grasses/[illegible]
Is the site significantly disturbed (Atypical Situation)? (Yes) No | Transect ID: none
Is the area a potential Problem Area? Yes (No) | Plot ID: none
(If needed, explain on reverse.)

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. [illegible] sp.	H	[illegible]	9.		
2. Elymus sp.	H	NO	10.		
3. [illegible] sp.	H	NO	11.		
4. Scrub oak [illegible]	T	N/A	12.		
5. Digger Pine	T	N/A	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0/5 or 1/5

Remarks: Grasses & a few trees

HYDROLOGY

___ Recorded Data (Describe in Remarks):
___ Stream, Lake, or Tide Gauge
___ Aerial Photographs
___ Other
___ No Recorded Data Available

Field Observations:

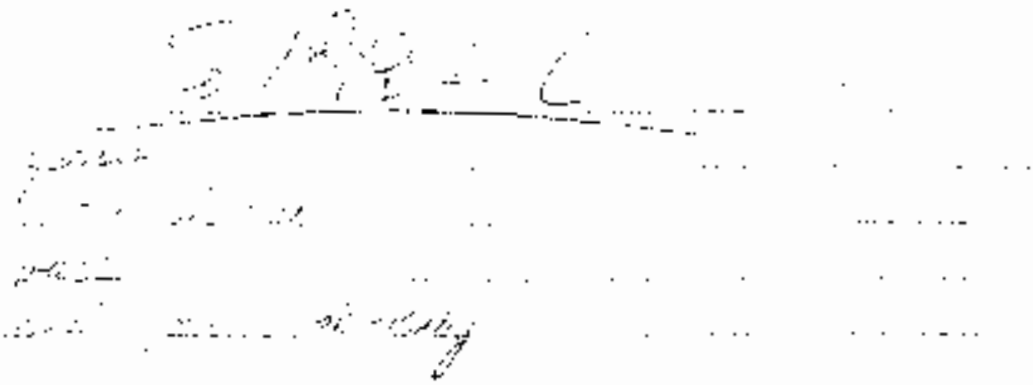
Depth of Surface Water: ___ (in.)

Depth to Free Water in Pit: ___ (in.)

Depth to Saturated Soil: ___ (in.)

Wetland Hydrology Indicators: None
Primary Indicators: none
___ Inundated
___ Saturated in Upper 12 Inches
___ Water Marks
___ Drift Lines
___ Sediment Deposits
___ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required): None
___ Oxidized Root Channels in Upper 12 Inches
___ Water-Stained Leaves
___ Local Soil Survey Data
___ FAC-Neutral Test
___ Other (Explain in Remarks)

Remarks:



rocks + roots 0-10"

7.5 yr 3/3

Dark Brown - more red

sticky

no silt

loamy clay - more loamy than A + B pts

roots throout pit - carnivorous sp

worms, ants

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Soil Pit D

Project/Site: Remark Date: 1/22/2003
Applicant/Owner: [illegible] County: Napa
Investigator: [illegible] / Terrence Farms State: California

Do Normal Circumstances exist on the site? Yes (No)
Is the site significantly disturbed (Atypical Situation)? (Yes) No
Is the area a potential Problem Area? Yes (No)
(If needed, explain on reverse.)

Community ID: Grasses
Transect ID: none
Plot ID: none

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Vicia sp. Sativa	H	FACU	9. None		
2. Dagger Pine	T	N/a	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-): 0/2

Remarks: Jeremy

HYDROLOGY

___ Recorded Data (Describe in Remarks):
___ Stream, Lake, or Tide Gauge
___ Aerial Photographs
___ Other
___ No Recorded Data Available

Field Observations:

Depth of Surface Water: 0 (in.)
Depth to Free Water in Pit: 0 (in.)
Depth to Saturated Soil: 0 (in.)

Wetland Hydrology Indicators: None

Primary Indicators:
___ Inundated
___ Saturated in Upper 12 Inches
___ Water Marks
___ Drift Lines
___ Sediment Deposits
___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
___ Oxidized Root Channels in Upper 12 Inches
___ Water-Stained Leaves
___ Local Soil Survey Data
___ FAC-Neutral Test
___ Other (Explain in Remarks)

Remarks:

Soil pit D

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Data point E

Project/Site: Rancho Monticello Resort
Applicant/Owner: USBR
Investigator: Michelle Pease / Demetria Burr
Date: 4/26/2003
County: Napa
State: California

Do Normal Circumstances exist on the site? Yes (No)
Is the site significantly disturbed (Atypical Situation)? (Yes) No
Is the area a potential Problem Area? Yes (No)
(If needed, explain on reverse.)

Community ID: inundated
Transect ID: none
Plot ID: none

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Typha sp.	H	OBL	9.		
2. Willow Pacific	T	OBL	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 2/2

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
___ Stream, Lake, or Tide Gauge
___ Aerial Photographs
___ Other
___ No Recorded Data Available

Field Observations:

Depth of Surface Water: ______ (in.)

Depth to Free Water in Pit: ______ (in.)

Depth to Saturated Soil: ______ (in.)

Wetland Hydrology Indicators:

Primary Indicators:
X Inundated
___ Saturated in Upper 12 Inches
___ Water Marks
___ Drift Lines
___ Sediment Deposits
___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
___ Oxidized Root Channels in Upper 12 Inches
___ Water-Stained Leaves
___ Local Soil Survey Data
___ FAC-Neutral Test
___ Other (Explain in Remarks)

Remarks:

Appendix C

General nature of the county

This section provides general information about physiography, relief, and drainage and about water supply. It also gives facts about the climate and the settlement and development of Napa County.

Physiography, relief, and drainage

Napa County is part of the hilly to steep mountains of the California Coast Range. The county is characterized by a number of northwesterly parallel mountain ridges and intervening valleys of varying widths.

The soils in Napa Valley generally are very deep and have high potential productivity. They are used for vineyards, orchards, and pastures. The soils in the southern part of the valley have lower production potential because they are limited by a strongly developed subsoil. They are used mainly for dryland pasture and for oats and hay.

Maacama Mountain rises abruptly on the west side of Napa Valley. The soils in this area are moderately deep to very shallow over sandstone and shale, and they are used mainly for range, wildlife habitat, and watersheds. A few areas of moderately sloping soils are used for vineyards.

The mountain ridges on the west side of the valley extend as far south as Napa, where the landscape consists of rolling hills and dissected terraces. The soils in this area are moderately deep over sandstone and shale or are shallow to a claypan. They are used for range, pasture, and vineyards.

Howell Mountain borders Napa Valley on the east and rises abruptly from the valley floor. The soils in this area are moderately deep to shallow over rhyolitic tuff and basic igneous rock. They are used for timber, range, wildlife habitat, and watersheds. Where this ridge broadens to a plateau near Angwin, some areas of soils are used for vineyards and orchards.

The plateau drops off to the northeast into Pope Valley, and Vaca Mountain rises abruptly to the east. The soils in the northern and eastern part of the county are moderately deep to shallow over sandstone, shale, and serpentine. They are used for range, wildlife habitat, and watersheds.

The Napa River and its tributaries drain the western part of the county. The Napa River flows southward from north of Calistoga into San Pablo Bay. The northeastern part of the county drains into Lake Berryessa by way of Putah Creek and its tributaries. These tributaries drain Snell, Pope, and Capell Valleys and part of Chiles Valley.

Water supply

The main source of water for the county is surface water impoundment. Unincorporated communities and areas that do not have access to municipal water supplies depend upon wells and springs.

The City of Napa obtains water from Lake Hennessey, Milliken Reservoir, and the North Bay Aqueduct. Yountville obtains water from Rector Reservoir and from an emergency supply at Conn Aqueduct. The City of St. Helena obtains water from Bell Canyon Reservoir and from a reservoir in a small tributary of York Creek. Conn Aqueduct is secondary source of water for St. Helena. Calistoga obtains water from Kimball Reservoir and from a well in Fege Canyon.

With the increase in demand for grape production, pumpage of groundwater has increased. Many reservoirs have been built to store water for irrigation, which provides protection against frost

nage. The main sources of water for these reservoirs are pumpage of groundwater and the Napa River. Groundwater basins in Napa Valley are naturally recharged.

Climate

In summer, Napa County is protected from the hot weather of the Central Valley of California by the coastal mountain ranges. The Pacific Ocean provides a source of cool, moist air in summer, and this steady flow of marine air holds temperatures at a moderate level.

Temperature and precipitation information from Napa and from Pacific Union College at Angwin are shown on table 15. The data in the table were compiled from records of weather stations of the National Weather Service in Napa County.

Temperature patterns vary throughout the area because of the mountainous terrain. The range in temperature is much greater in the higher mountainous valleys than in other areas of the county.

The greatest variation in temperature occurs in summer. The average daily maximum temperature in July is 82° F at Napa and in the nineties at Lake Berryessa. The highest temperature is more than 100° in most of the county during the warm season, and it is more than 110° in the northeastern part. The average daily minimum temperatures are in the fifties throughout the county during the warm season.

Winters are generally mild, but there are occasional cold spells. In January, the average minimum temperature is in the thirties throughout the county, but a low of 15° has been recorded. Relatively warm temperatures are common in the afternoon. In January the average daily maximum temperature is in the middle fifties.

The last freezing temperature in spring generally occurs in March in most areas of the county, but it commonly occurs in February in the northeastern part. The first freezing temperature in fall generally occurs in November in most of the county and as late as December in the warmer northeastern part.

The growing season, which is the period between the last freezing temperature in spring and the first in fall, ranges from 215 to 260 days in Napa Valley. The growing season near Lake Berryessa is about 285 days. The vicinity of Lake Berryessa has greater climatic extremes than other parts of the county because of the mountainous terrain, which limits the effects of the Pacific Ocean.

Most of the annual precipitation falls during the period of November through April. The average annual precipitation ranges from about 20 inches in the extreme northeastern corner and extreme southern boundary of the county to 24 to 35 inches in Napa Valley. The average precipitation increases with elevation to a maximum of about 55 inches near Mount St. Helena. Figure 1 shows the distribution of precipitation in Napa County.

Total precipitation varies from year to year. For example, in 9 years out of 10, it ranges from about 13 to 34 inches at Napa and from less than 21 to about 50 inches at St. Helena. Table 16 shows the probability of receiving the total annual precipitation indicated at five weather stations in Napa County.

The greatest amount of rainfall in 1 hour is expected to be 0.8 inch about once in 2 years, and it is 1.6 inches once in 100 years in the southern part of Napa Valley and the eastern part of Napa County. In the northern part of Napa Valley and the western part of Napa County, the range is from 0.9 inch in 1 hour once in 2 years to 2.1 inches in 1 hour once in 100 years.

The average annual snowfall at the lower elevations in the county is less than 1 inch. At the higher

elevations, the annual average is 3.1 inches at Angwin and 18.3 inches at Mount St. Helena.

Table 17 shows monthly and annual evaporation recorded at three stations in Napa County previous to 1970. All records of evaporation recorded were from a Class A pan that is 4 feet in diameter.

Records covering a 2-year period at the Napa County Airport show that the wind direction is dominantly from the south and southwest, but it is also from the east and west. A weak downdraft has also been recorded. Strong north winds that follow winter storms frequently cause a sudden drop in temperature.

Winds of less than 5 miles per hour were recorded slightly less than 25 percent of the time. Winds of 25 miles per hour or more were recorded less than 1 percent of the time. It is estimated that winds reach speeds of 40 miles per hour in most parts of the county as often as once in 2 years and speeds of 80 miles per hour once in 50 years.

The average relative humidity in the county ranges from 75 percent in winter to about 60 percent in summer and fall. In summer, the difference in humidity between the marine air and the drier and warmer air of the inland locations is great.

Napa County receives about 50 percent of the total possible sunshine in winter and about 80 percent in summer. Most of the cloudiness in winter is associated with storms that move inland from the Pacific Ocean. The cloud patterns of these storms are nearly the same in all parts of the county. In summer the cloud patterns are more localized. Typically, the clouds move inland late in the afternoon and spread across much of the county. By late morning the cloud cover starts to dissipate.

Settlement and development

The Indian civilization was in existence in the survey area 4,000 years ago (8). The county derives its name from the Nappa Indians, who inhabited the area until about 1870. The population of Napa County was 76,819 in 1970.

The first recorded expedition to Napa Valley was made in 1823 by Francisco Castro. George C. Yount settled in Napa Valley in 1835 and was soon followed by other settlers. Yount received the Caymus Grant from the Government of Mexico in 1836, and by 1845 almost the entire valley had been taken up in large grants. Napa County was created on February 8, 1850, and included the area that is now Lake County.

Grains, mainly wheat, were grown in the area during the early days of settlement, but orchards became dominant in the 1860's. Grapes were introduced in the area in the 1850's from cuttings supplied by the Spanish Mission in Sonoma and San Rafael. Vineyards occupy the major part of the acreage of Napa Valley.

The major industries in the county are winemaking, the fabrication of steel pipe, and the production of construction materials, sportswear, and leather goods. Most transportation in the area is by automobile and truck. Bus service provides regular transportation to areas outside the county.

Napa County has high schools in the communities of Napa, St. Helena, and Calistoga. Numerous grammar schools are scattered throughout the rural areas. Napa Junior College is south of the City of Napa, and Pacific Union College is at Angwin. Medical facilities in the county include hospitals at Napa and Deer Park.

Appendix D

Henneke series (Mapunits: 153, 154)

The Henneke series consists of excessively drained soils on uplands. Slope is 5 to 75 percent. Elevation is 500 to 4,000 feet. These soils formed in material weathered from serpentine. The vegetation is scattered oak, digger pine, scrub oak, manzanita, muskbrush, toyon, MacNabb cypress, and a few annual grasses. The mean annual precipitation is 25 to 45 inches, and the mean annual temperature 59° to 62° F. Summers are hot and dry, and winters are cool and moist. The frostfree season is 220 to 260 days.

In a representative profile the surface layer is reddish brown, neutral gravelly loam 7 inches thick. The subsoil is reddish brown, mildly alkaline very gravelly clay loam 8 inches thick. Fractured, greenish blue serpentine is at a depth of 15 inches.

Permeability is moderately slow. The effective rooting depth is 10 to 20 inches. Available water capacity is 1 to 3 inches.

Henneke soils are used for wildlife habitat, watershed, and limited grazing.

Representative profile of Henneke gravelly loam, 30 to 75 percent slopes, 200 feet north and 200 feet west of intersection of Pope Canyon and Berryessa-Knoxville Roads, R. 4 W., T. 9 N. (nonsectionalized):

A1-0 to 7 inches, reddish brown (5YR 4/3) gravelly loam, dark reddish brown (5YR 3/3) moist; moderate fine granular structure; soft, very friable, slightly sticky and nonplastic; common very fine and fine roots; many very fine and fine tubular pores; 30 percent gravel; neutral (pH 7.0); abrupt smooth boundary.

B2t-7 to 15 inches, reddish brown (5YR 3/4) very gravelly clay loam, dark reddish brown (5YR 3/3) moist; weak medium subangular blocky structure; slightly hard, firm, slightly sticky, slightly plastic; thin continuous clay films lining pores; 50 percent gravel; mildly alkaline (pH 7.5); abrupt wavy boundary.

R-15 inches, fractured greenish blue serpentine.

The A1 horizon is dark brown, reddish gray, or reddish brown (7.5YR 4/2 and 5YR 4/3, 5/2, and 5/3) gravelly loam or gravelly clay loam. The gravel content ranges from 25 to 35 percent. Reaction is slightly acid or neutral.

The B2t horizon ranges from dark brown, reddish yellow, reddish brown, dusky red, or red (5YR 7/6, 6/6, 4/3, 5/4, and 3/4 and 2.5YR 3/2, 5/6, and 4/6) clay loam or clay that has gravel, cobbles or stones. Rock fragments make up 35 to 50 percent of the horizon. Reaction is neutral to moderately alkaline. Depth to weathered serpentine ranges from 10 to 20 inches.

153-Henneke gravelly loam, 5 to 30 percent slopes. This gently sloping to moderately steep soil is on toe slopes on uplands.

Included with this soil in mapping were small areas of Bressa, Dibble, Lodo, Maymen, and Montara soils. Also included were small areas of dark gray clayey soils that crack upon drying, a few areas of rock outcrop that make up about 5 percent of this unit, and areas of soils that are similar to this Henneke soil but that are more than 20 inches deep to bedrock or are browner.

Runoff is medium to rapid. The hazard of erosion is slight to moderate. This soil is very low in fertility.

This soil is used mostly for wildlife habitat, recreation, and watershed. A few areas are used for range. Capability unit VIIe-1 (15); Rocky Serpentine range site.

154-Henneke gravelly loam, 30 to 75 percent slopes. This steep and very steep soil is on uplands. It has the profile described as representative for the series.

Included with this soil in mapping were small areas of Lodo, Maymen, and Montara soils. Also included were small areas of rock outcrop that make up about 10 percent of this unit and areas of soils that are similar to this Henneke soil but that are more than 20 inches to bedrock or are browner.

Runoff is rapid to very rapid. The hazard of erosion is moderate to high. This soil is very low in fertility.

This soil is used for wildlife habitat, recreation, and watershed. A few areas are used for range. Capability unit VIIe-1 (15); Rocky Serpentine range site.

Montara series (Mapunits: 166, 167)

The Montara series consists of well drained soils on uplands. Slope is 5 to 50 percent. Elevation is 500 to 1,500 feet. These soils formed in material weathered from serpentine. The vegetation consists mainly of annual grasses and a few digger pine. The mean annual precipitation is 25 to 45 inches, and the mean annual temperature is 59° to 62° F. Summers are hot and dry, and winters are cool and moist. The frost-free season is 240 to 260 days.

In a representative profile the surface layer is grayish brown and dark grayish brown mildly alkaline clay loam underlain at a depth of 12 inches by serpentine.

Permeability is moderately slow. The effective rooting depth is 10 to 15 inches. Available water capacity is 2 to 2.5 inches.

Montara soils are used mostly for wildlife habitat and watershed. Areas of Montara soils that adjoin areas of other soils that are in pasture are used for grazing.

Representative profile of Montara clay loam, 5 to 30 percent slopes, approximately ¼ mile northwest of intersection of Snell Valley and Spanish Trail Roads, SE¼NW¼ sec. 22, T 10 N., R. 5 W.:

A11-0 to 4 inches, grayish brown (10YR 5/2) clay loam, very dark brown (10YR 2/2) moist; moderate fine and medium subangular blocky structure; hard, friable, sticky and plastic; many fine and very fine roots; many very fine tubular pores; mildly alkaline (pH 7.8); clear wavy boundary.

A12-4 to 12 inches, dark grayish brown 2.5Y 4/2) clay loam; very dark grayish brown (2.5Y 3/2) moist; moderate coarse subangular blocky structure; hard, friable; sticky and plastic; common fine and very fine roots; many very fine tubular pores; mildly alkaline (pH 7.8); abrupt wavy boundary.

R-12 inches, serpentine.

The A horizon is gray, grayish brown, or dark grayish brown (10YR 5/2, 4/2, and 5/1 and 2.5Y 5/2, 4/2). Reaction is neutral to moderately alkaline. Depth to bedrock is 10 to 15 inches. Gravel and cobbles that are mainly serpentine make up 5 to 10 percent of the profile.

166-Montara clay loam, 5 to 30 percent slopes. This gently sloping to moderately steep soil is on foot slopes, side slopes, and rounded ridgetops on uplands. It has the profile described as representative for the Montara series.

Included with this soil in mapping were areas of Henneke and Maxwell soils. Also included were areas of rock outcrop and areas of soils that are similar to this Montara soil but that are clayey or that are less than 10 inches deep to bedrock.

Runoff is rapid. The hazard of erosion is moderate.

This soil is used for range, wildlife habitat, and watershed. Capability unit VIIe-1 (15); Serpentine range site.

167-Montara clay loam, 30 to 50 percent slopes. This steep soil is on uplands.

Included with this soil in mapping were small areas of Bressa, Henneke, and Lodo soils and areas

of soils that are similar to this Montara soil but that are nonwey.

runoff is rapid. The hazard of erosion is high.

This soil is used for wildlife habitat, limited grazing, and watershed. Capability unit VIIe-1 (15); Sorbent ne range site.