



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

APR 19 2002

LAB NUMBER

C040223

CCDOHS SR
COLIFORM BACTERIA ANALYSIS

PAID
 CL NO. MC #40.00
 DATE 4-8-02

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.
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.

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) Clayton T. Dennis <i>Clayton T. Dennis</i>	Date 4-8-02	Received By: <i>[Signature]</i>	CSI
Time <u>0830</u>			

RESULTS	Total Coliform	Fecal Coliform (E. Coli)
Date/Time Set: <u>4/8/02 1200</u>	PRESENT <input type="checkbox"/>	PRESENT <input type="checkbox"/>
Date/Time Read Out: <u>4/9/02 1600</u>	ABSENT <input checked="" type="checkbox"/>	ABSENT <input checked="" type="checkbox"/>
Analyst: <u>FG</u>		

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.



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

LAB NUMBER
 C050177

CC DOHS.SR

PAID
 EX. NO. MC 4800
 DATE 5-7-02 P

COLIFORM BACTERIA ANALYSIS

SAMPLING INSTRUCTIONS:

MAY 8 2002

**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
 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

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: 5-7-02 Time of Sampling: 0630 Sampled By: Clayton T. Dennis
 Sample Location Description: Inside tap

Submitted By: (Print & Sign) Clayton T. Dennis <i>Clayton T. Dennis</i>	Date <u>5-7-02</u>	Received By: <i>[Signature]</i>	CSI <input checked="" type="checkbox"/>
	Time <u>0840</u>		

RESULTS	Total Coliform	Fecal Coliform (E. Coli)
Date/Time Set: <u>5/7/02 1810</u>	PRESENT <input type="checkbox"/>	PRESENT <input type="checkbox"/>
Date/Time Read Out: <u>5/8/02 1020</u>	ABSENT <input checked="" type="checkbox"/>	ABSENT <input checked="" type="checkbox"/>
Analyst: <u>FG</u>		

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.



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

LAB NUMBER
 C010416

CG00HSSR PAID

COLIFORM BACTERIA ANALYSIS

CK. NO. Mastercard #40.00
 DATE 4/15/02

U1-1802

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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CARE MUST BE TAKEN IN THE FOLLOWING STEPS TO AVOID SPLASHING

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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

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: 1-15-02 Time of Sampling: 9730 Sampled By: Clayton Dennis
 Sample Location Description: Inside tap, Admin complex

Submitted By: (Print & Sign) Clayton T. Dennis <i>Clayton T. Dennis</i>	Date 1-15-02	Received By: <i>Charoff</i>	CSI
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4/15/02 9:15

RESULTS	Total Coliform	Fecal Coliform (E. Coli)
Date/Time Set: <u>1-15-02 1000 Myl</u>	PRESENT <input type="checkbox"/>	PRESENT <input type="checkbox"/>
Date/Time Read Out: <u>1-16-02 1030</u>	ABSENT <input checked="" type="checkbox"/>	ABSENT <input checked="" type="checkbox"/>
Analyst: <u>MD</u>		

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.

All Source Chemical Monitoring

Date of report: 7/31/2002

System Name: Napa County Public Works-NBRID

Source Name: BERRYESSA LAKE INTAKE

Source #: 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-HYDROXCARBOPURAN	5/29/2001	0.00	N	NA		
4-CHLOROTOLUENE	6/26/1992	0.00	N	NA		
AGRESSIVENESS INDEX	6/29/1998	13.00	Y	NA		
AGRESSIVENESS 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	12/1/1998	< 0.20	N	7.00		
ATRAZINE	6/29/1998	0.00	N	3.00		

Source Name: BERRYESSA LAKE INTAKE

Source #: 001

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
ATRAZINE	5/29/2001	0.00	N	3.00		
BARIUM	6/26/1992	< 100.00	N	1000		
BARIUM	3/23/1993	< 100.00	N	1000		
BARIUM	8/15/1994	< 100.00	N	1000		
BARIUM	6/29/1998	< 100.00	N	1000		
BARIUM	5/29/2001	< 100.00	N	1000		
BENTAZON	6/29/1998	0.00	N	18.0		
BENTAZON	5/29/2001	0.00	N	18.0		
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	8/15/1994	90.00	Y	NA		
BICARBONATE	6/29/1998	150.00	Y	NA		
BICARBONATE	5/29/2001	180.00	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		
BROMODICHLORMETHANE	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	< 1.00	N	5.00		
CADMIUM	3/23/1993	< 1.00	N	5.00		
CADMIUM	8/15/1994	< 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	22.00	Y	NA		
CALCIUM	3/23/1993	17.00	Y	NA		
CALCIUM	8/15/1994	22.00	Y	NA		
CALCIUM	6/29/1998	19.00	Y	NA		
CALCIUM	5/29/2001	16.00	Y	NA		
CARBARYL	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	.50		
CARBONATE	6/26/1992	< 1.00	N	NA		
CARBONATE	3/23/1993	< 1.00	N	NA		
CARBONATE	8/15/1994	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	22.00	Y	600		
CHLORIDE	8/15/1994	7.00	Y	600		
CHLORIDE	6/29/1998	4.50	Y	600		
CHLORIDE	5/29/2001	4.80	Y	600		
CHLOROETHANE	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)	8/15/1994	< 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)	5/29/2001	1.30	N	50.0		
CIS-1,2-DICHLOROETHYLENE	6/26/1992	0.00	N	6.00		
COLOR	6/26/1992	9.00	Y	15.0		
COLOR	8/15/1994	12.00	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	6/26/1992	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	0.07	Y	5.00		
LAB TURBIDITY	8/15/1994	1.90	Y	5.00		
LAB TURBIDITY	6/29/1998	4.50	Y	5.00		
LAB TURBIDITY	5/29/2001	1.80	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	32.00	Y	NA		
MAGNESIUM	3/23/1993	27.00	Y	NA		
MAGNESIUM	8/15/1994	37.00	Y	NA		
MAGNESIUM	6/29/1998	25.00	Y	NA		
MAGNESIUM	5/29/2001	30.00	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	0.30	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	< 6.00	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	7.70	Y	NA		

Source Name: BERRYESSA LAKE INTAKE

Source #: 001

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
PH (LABORATORY)	3/23/1993	7.30	Y	NA		
PH (LABORATORY)	8/15/1994	8.80	Y	NA		
PH (LABORATORY)	6/29/1998	81.00	Y	NA		
PH (LABORATORY)	5/29/2001	8.20	Y	NA		
PICLORAM	6/29/1998	0.00	N	500		
PICLORAM	5/29/2001	0.00	N	500		
POTASSIUM	6/26/1992	< 3.00	N	NA		
POTASSIUM	3/23/1993	1.30	Y	NA		
POTASSIUM	8/15/1994	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	8/15/1994	< 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	8/15/1994	< 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	8/15/1994	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	8/15/1994	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	22.00	Y	600		
SULFATE	8/15/1994	23.00	Y	600		
SULFATE	6/29/1998	23.00	Y	600		
SULFATE	5/29/2001	19.00	N	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	105.00	Y	NA		
TOTAL ALKALINITY (AS CaCO3)	8/15/1994	160.00	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	0.53	N	15.0		
TOTAL ALPHA	10/8/1999	0.00	N	15.0		
TOTAL ALPHA	6/24/2002	0.52	N	15.0		
TOTAL ALPHA COUNTING ERROR	3/23/1993	2.02	Y	NA		
TOTAL ALPHA COUNTING ERROR	6/29/1998	- 0.30	Y	NA		

Source Name: BERRYESSA LAKE INTAKE

Source #: 001

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
TOTAL ALPHA COUNTING ERROR	10/8/1999	- 1.00	Y	NA		
TOTAL ALPHA COUNTING ERROR	6/24/2002	0.68	Y	NA		
TOTAL FILTERABLE RESIDUE	6/26/1992	230.00	Y	1500		
TOTAL FILTERABLE RESIDUE	3/23/1993	190.00	Y	1500		
TOTAL FILTERABLE RESIDUE	8/15/1994	240.00	Y	1500		
TOTAL FILTERABLE RESIDUE	6/29/1998	210.00	Y	1500		
TOTAL FILTERABLE RESIDUE	5/29/2001	210.00	Y	1500		
TOTAL HARDNESS (AS CaCO3)	6/26/1992	190.00	Y	NA		
TOTAL HARDNESS (AS CaCO3)	3/23/1993	150.00	Y	NA		
TOTAL HARDNESS (AS CaCO3)	8/15/1994	210.00	Y	NA		
TOTAL HARDNESS (AS CaCO3)	6/29/1998	150.00	Y	NA		
TOTAL HARDNESS (AS CaCO3)	5/29/2001	160.00	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	3/23/1993	60.00	Y	5000		
ZINC	8/15/1994	500.00	Y	5000		
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: 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		
LAB 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)	6/18/2002	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	26.00	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 FILTERABLE RESIDUE	11/10/1992	240.00	Y	1500		
TOTAL HARDNESS (AS CaCO3)	11/10/1992	190.00	Y	NA		
TOXAPHENE	11/10/1992	0.00	N	3.00		
ZINC	11/10/1992	< 10.00	N	5000		

All Source Chemical Monitoring

Date of report: 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-DICHLOROETHANE	6/29/1998	0.00	N	5.00	UG/L	
1,1-DICHLOROETHYLENE	6/29/1998	0.00	N	6.00		
1,1-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	70.0		
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		
1,4-DICHLOROBENZENE	6/29/1998	0.00	N	5.00		
1-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)	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-CHLOROTOLUENE	6/29/1998	0.00	N	NA		
3-HYDROXCARBOFURAN	5/29/2001	0.00	N	NA		
4-CHLOROTOLUENE	6/29/1998	0.00	N	NA		
AGRESSIVENESS INDEX	6/29/1998	12.00	Y	NA		
AGRESSIVENESS 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	6/29/1998	130.00	Y	1000		
ALUMINUM	5/29/2001	140.00	Y	1000		
ANTIMONY	6/29/1998	< 6.00	N	6.00		
ANTIMONY	5/29/2001	< 6.00	N	6.00		
ARSENIC	6/29/1998	< 2.00	N	50.0		
ARSENIC	5/29/2001	< 2.00	N	50.0		
ASBESTOS	6/29/1998	< 0.20	N	7.00		
ATRAZINE	6/29/1998	0.00	N	3.00		
ATRAZINE	5/29/2001	0.00	N	3.00		
BARIUM	6/29/1998	< 100.00	N	1000		
BARIUM	5/29/2001	< 100.00	N	1000		
BENTAZON	6/29/1998	0.00	N	18.0		
BENTAZON	5/29/2001	0.00	N	18.0		
BENZENE	6/29/1998	0.00	N	1.00		
BERYLLIUM	6/29/1998	< 1.00	N	4.00		
BERYLLIUM	5/29/2001	< 1.00	N	4.00		

Source Name: LAKE BERRYESSA - RAW

Source #: 001

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
BICARBONATE	6/29/1998	300.00	Y	NA		
BICARBONATE	5/29/2001	330.00	Y	NA		
BROMACIL	6/29/1998	0.00	N	NA		
BROMOBENZENE	6/29/1998	0.00	N	NA		
BROMOCHLOROMETHANE	6/29/1998	0.00	N	NA		
BROMODICHLORMETHANE	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	20.00	Y	NA		
CARBARYL	5/29/2001	0.00	N	NA		
CARBOFURAN	5/29/2001	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		
CHLOROPFORM	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	1.40		
FLUORIDE (TEMPERATURE DEPENDENT)	5/29/2001	0.17	Y	1.40		
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		

Source Name: LAKE BERRYESSA - RAW

Source #: 001

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
HEPTACHLOR EPOXIDE	6/29/1998	0.00	N	.01		
HEXACHLOROBENZENE	6/29/1998	0.00	N	1.00		
HEXACHLOROBUTADIENE	6/29/1998	0.00	N	NA		
HEXACHLOROCYCLOPENTADIENE	6/29/1998	0.00	N	50.0		
HYDROXIDE	6/29/1998	< 1.00	N	NA		
HYDROXIDE	5/29/2001	< 1.00	N	NA		
IRON	6/29/1998	350.00	Y	300		
IRON	5/29/2001	190.00	Y	300		
ISOPROPYLBENZENE	6/29/1998	0.00	N	NA		
LAB TURBIDITY	6/29/1998	3.10	Y	5.00		
LAB TURBIDITY	5/29/2001	4.60	Y	5.00		
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	6/29/1998	0.00	N	1750		
MAGNESIUM	6/29/1998	50.00	Y	NA		
MAGNESIUM	5/29/2001	51.00	Y	NA		
MANGANESE	6/29/1998	38.00	Y	50.0		
MANGANESE	5/29/2001	97.00	Y	50.0		
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		
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	6/29/1998	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	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	6/29/1998	0.00	N	1750		
ODOR THRESHOLD @ 60 C	6/29/1998	2.00	Y	3.00		
ODOR THRESHOLD @ 60 C	5/29/2001	8.00	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	7.00	Y	NA		
PH (LABORATORY)	5/29/2001	8.20	Y	NA		
PICLORAM	6/29/1998	0.00	N	500		
PICLORAM	5/29/2001	0.00	N	500		
PROMETRYN	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	< 5.00	N	50.0		
SELENIUM	5/29/2001	< 5.00	N	50.0		
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		

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	2200		
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		
THIOBENCARB	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	1.43	N	15.0		
TOTAL ALPHA COUNTING ERROR	6/29/1998	- 0.58	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	3/18/1992	0.00	N	1.00		
1,1,1,2-TETRACHLOROETHANE	5/17/1999	0.00	N	1.00		
1,1,1-TRICHLOROETHANE	3/18/1992	0.00	N	200		
1,1,1-TRICHLOROETHANE	5/17/1999	0.00	N	200		
1,1,2,2-TETRACHLOROETHANE	3/18/1992	0.00	N	1.00		
1,1,2,2-TETRACHLOROETHANE	5/17/1999	0.00	N	1.00		
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	3/18/1992	0.00	N	1200		
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5/17/1999	0.00	N	1200		
1,1,2-TRICHLOROETHANE	3/18/1992	0.00	N	5.00		
1,1,2-TRICHLOROETHANE	5/17/1999	0.00	N	5.00		
1,1-DICHLOROETHANE	3/18/1992	0.00	N	5.00	UG/L	
1,1-DICHLOROETHANE	5/17/1999	0.00	N	5.00	UG/L	
1,1-DICHLOROETHYLENE	3/18/1992	0.00	N	6.00		
1,1-DICHLOROETHYLENE	5/17/1999	0.00	N	6.00		
1,1-DICHLOROPROPENE	3/18/1992	0.00	N	NA		
1,1-DICHLOROPROPENE	5/17/1999	0.00	N	NA		
1,2,3-TRICHLOROBENZENE	3/18/1992	0.00	N	NA		
1,2,3-TRICHLOROBENZENE	5/17/1999	0.00	N	NA		
1,2,3-TRICHLOROPROPANE	3/18/1992	0.00	N	NA		
1,2,3-TRICHLOROPROPANE	5/17/1999	0.00	N	NA		
1,2,4-TRICHLOROBENZENE	3/18/1992	0.00	N	70.0		
1,2,4-TRICHLOROBENZENE	5/17/1999	0.00	N	70.0		
1,2,4-TRIMETHYLBENZENE	3/18/1992	0.00	N	NA		
1,2,4-TRIMETHYLBENZENE	5/17/1999	0.00	N	NA		
1,2-DICHLOROBENZENE	3/18/1992	0.00	N	600		
1,2-DICHLOROBENZENE	5/17/1999	0.00	N	600		
1,2-DICHLOROETHANE	3/18/1992	0.00	N	.50		
1,2-DICHLOROETHANE	5/17/1999	0.00	N	.50		
1,2-DICHLOROPROPANE	3/18/1992	0.00	N	5.00		
1,2-DICHLOROPROPANE	5/17/1999	0.00	N	5.00		
1,3,5-TRIMETHYLBENZENE	3/18/1992	0.00	N	NA		
1,3,5-TRIMETHYLBENZENE	5/17/1999	0.00	N	NA		
1,3-DICHLOROBENZENE	3/18/1992	0.00	N	NA		
1,3-DICHLOROBENZENE	5/17/1999	0.00	N	NA		
1,3-DICHLOROPROPANE	3/18/1992	0.00	N	NA		
1,3-DICHLOROPROPANE	5/17/1999	0.00	N	NA		
1,3-DICHLOROPROPENE (TOTAL)	3/18/1992	0.00	N	.50		
1,3-DICHLOROPROPENE (TOTAL)	5/17/1999	0.00	N	.50		
1,4-DICHLOROBENZENE	3/18/1992	0.00	N	5.00		
1,4-DICHLOROBENZENE	5/17/1999	0.00	N	5.00		
1-PHENYLPROPANE (PROPYLBENZENE)	3/18/1992	0.00	N	NA		
1-PHENYLPROPANE (PROPYLBENZENE)	5/17/1999	0.00	N	NA		
2,2-DICHLOROPROPANE	3/18/1992	0.00	N	NA		
2,2-DICHLOROPROPANE	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	< 2.50	N	70.0		
2-CHLOROETHYLVINYL ETHER	3/18/1992	0.00	N	NA		
2-CHLOROTOLUENE	3/18/1992	0.00	N	NA		
2-CHLOROTOLUENE	5/17/1999	0.00	N	NA		
4-CHLOROTOLUENE	3/18/1992	0.00	N	NA		
4-CHLOROTOLUENE	5/17/1999	0.00	N	NA		

Source Name: LAKE BERRYESSA INTAKE - RAW

Source #: 002

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
AGRESSIVENESS INDEX	5/17/1999	12.00	Y	NA		
ALACHLOR	5/17/1999	< 0.20	N	2.00		
ALDRIN	5/17/1999	< 0.01	N	NA		
ALUMINUM	5/17/1999	80.00	Y	1000		
ANTIMONY	5/17/1999	< 6.00	N	6.00		
ARSENIC	5/17/1999	< 2.00	N	50.0		
ASBESTOS	5/17/1999	< 0.20	N	7.00		
ATRAZINE	5/17/1999	< 0.10	N	3.00		
BIARIUM	5/17/1999	< 100.00	N	1000		
BENTAZON	5/17/1999	< 2.00	N	18.0		
BENZENE	3/18/1992	0.00	N	1.00		
BENZENE	5/17/1999	0.00	N	1.00		
BERYLLIUM	5/17/1999	< 1.00	N	4.00		
BICARBONATE	5/17/1999	170.00	Y	NA		
BROMOBENZENE	3/18/1992	0.00	N	NA		
BROMOBENZENE	5/17/1999	0.00	N	NA		
BROMOCHLOROMETHANE	3/18/1992	0.00	N	NA		
BROMOCHLOROMETHANE	5/17/1999	0.00	N	NA		
BROMODICHLORMETHANE	3/18/1992	0.00	N	NA		
BROMODICHLORMETHANE	5/17/1999	0.00	N	NA		
BROMOFORM	3/18/1992	0.00	N	NA		
BROMOFORM	5/17/1999	0.00	N	NA		
BROMOMETHANE	3/18/1992	0.00	N	NA		
BROMOMETHANE	5/17/1999	0.00	N	NA		
CADMIUM	5/17/1999	< 1.00	N	5.00		
CALCIUM	5/17/1999	17.00	Y	NA		
CARBOFURAN	5/17/1999	< 5.00	N	18.0		
CARBON TETRACHLORIDE	3/18/1992	0.00	N	.50		
CARBON TETRACHLORIDE	5/17/1999	0.00	N	.50		
CARBONATE	5/17/1999	< 1.00	N	NA		
CHLORDANE	5/17/1999	< 0.10	N	.10		
CHLORIDE	5/17/1999	4.30	Y	600		
CHLOROETHANE	3/18/1992	0.00	N	NA		
CHLOROETHANE	5/17/1999	0.00	N	NA		
CHLOROFORM	3/18/1992	0.00	N	NA		
CHLOROFORM	5/17/1999	0.00	N	NA		
CHLOROMETHANE	3/18/1992	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	3/18/1992	0.00	N	6.00		
CIS-1,2-DICHLOROETHYLENE	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	< 2.50	N	200		
DIBROMOCHLOROMETHANE	3/18/1992	0.00	N	NA		
DIBROMOCHLOROMETHANE	5/17/1999	0.00	N	NA		
DIBROMOMETHANE	3/18/1992	0.00	N	NA		
DIBROMOMETHANE	5/17/1999	0.00	N	NA		
DICAMBA	5/17/1999	< 0.50	N	NA		
DICHLORODIFLUOROMETHANE	3/18/1992	0.00	N	NA		
DICHLORODIFLUOROMETHANE	5/17/1999	0.00	N	NA		
DICHLOROMETHANE	3/18/1992	0.00	N	5.00		
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		

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	1.40		
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	8.30	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		

Source Name: LAKE BERRYESSA INTAKE - RAW

Source #: 002

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
TETRACHLOROETHYLENE	5/17/1999	0.00	N	5.00		
THALLIUM	5/17/1999	< 1.00	N	2.00		
TOLUENE	3/18/1992	0.00	N	150		
TOLUENE	5/17/1999	0.00	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	1.03	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	1500		
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		
1,1-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	.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	.50		
1,4-DICHLOROBENZENE	5/17/1999	0.00	N	5.00		
1-PHENYLPROPANE (PROPYLBENZENE)	5/17/1999	0.00	N	NA		
2,2-DICHLOROPROPANE	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	< 2.50	N	70.0		
2-CHLOROTOLUENE	5/17/1999	0.00	N	NA		
4-CHLOROTOLUENE	5/17/1999	0.00	N	NA		
AGRESSIVENESS INDEX	5/17/1999	12.00	Y	NA		
ALACHLOR	5/17/1999	< 0.20	N	2.00		
ALDRIN	5/17/1999	< 0.01	N	NA		
ALUMINUM	4/20/1998	0.30	N	1000		
ALUMINUM	5/17/1999	280.00	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	2.20	Y	50.0		
ASBESTOS	5/17/1999	< 0.20	N	7.00		
ATRAZINE	5/17/1999	< 0.10	N	3.00		
BARIUM	4/20/1998	0.04	N	1000		
BARIUM	5/17/1999	< 100.00	N	1000		
BENTAZON	5/17/1999	< 2.00	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		
BROMODICHLORMETHANE	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 #: 001

Chemical	Date	Result	Positive detect?	MCL	Units	Notes
CALCIUM	4/20/1998	14.00	Y	NA		
CALCIUM	5/17/1999	18.00	Y	NA		
CARBOFURAN	5/17/1999	< 5.00	N	18.0		
CARBON TETRACHLORIDE	5/17/1999	0.00	N	.50		
CARBONATE	4/20/1998	0.00	N	NA		
CARBONATE	5/17/1999	< 1.00	N	NA		
CHLORDANE	5/17/1999	< 0.10	N	.10		
CHLORIDE	4/20/1998	4.00	Y	600		
CHLORIDE	5/17/1999	4.80	Y	600		
CHLOROETHANE	5/17/1999	0.00	N	NA		
CHLOROPFORM	5/17/1999	0.00	N	NA		
CHLOROMETHANE	5/17/1999	0.00	N	NA		
CHROMIUM (TOTAL)	4/20/1998	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	4/20/1998	20.00	Y	15.0		
COLOR	5/17/1999	< 3.00	N	15.0		
COPPER	4/20/1998	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)	4/20/1998	0.00	N	1.40		
FLUORIDE (TEMPERATURE DEPENDENT)	5/17/1999	< 0.10	N	1.40		
FOAMING AGENTS (MBAS)	4/20/1998	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	4/20/1998	0.00	N	NA		
HYDROXIDE	5/17/1999	< 1.00	N	NA		
IRON	4/20/1998	0.15	N	300		
IRON	5/17/1999	120.00	Y	300		
ISOPROPYLBENZENE	5/17/1999	0.00	N	NA		
LAB TURBIDITY	4/20/1998	2.53	Y	5.00		
LAB TURBIDITY	5/17/1999	2.40	Y	5.00		
LEAD	4/20/1998	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	4/20/1998	22.00	Y	NA		
MAGNESIUM	5/17/1999	27.00	Y	NA		
MANGANESE	4/20/1998	0.00	N	50.0		
MANGANESE	5/17/1999	< 20.00	N	50.0		
MERCURY	4/20/1998	0.00	N	2.00		