

Ground-Water Chemistry Data near the TFCF, Byron, California

Summary of December 2000 – January 2001 Grab Samples for Inorganic Compounds

Samples collected from observation wells near the Tracy Fish Collection Facility as part of EIS process.

Negative values represent results below the detection limit. Absolute value of negative numbers represents the reported detection limit. Data should be re-coded before statistical summary.

Bureau of Reclamation Validated Water Quality Data <> Contact: Doug Craft dcraft@do.usbr.gov 303-445-2182 <> TRACY FISH FACILITY IMPROVEMENT PROGRAM <>

Station/Well	Sampling Date	Sample ID	Filtered or Unfiltered	Calcium, mg/L	Magnesium, mg/L	Sodium, mg/L	Potassium, mg/L	Chloride, mg/L	Sulfate, mg/L	Fluoride, mg/L	Boron, mg/L	Sum of Ions, mg/L	Conductivity, µS/cm	Total Dissolved Solids, mg/L	pH, su	Hardness, mg/L as CaCO3	Chemical Oxygen Demand, mg/L as O2/L	Cyanide, mg/L	Ammonia, mg/L as N	Nitrate + Nitrite, mg/L as N	Total Phosphorus, mg/L as P	Gross Alpha Emission, pCi/L	Turbidity, NTU	Aluminum, µg/L	Antimony, µg/L	Arsenic, µg/L	Barium, µg/L	Beryllium, µg/L	Cadmium, µg/L	Chromium, µg/L	Copper, µg/L	Iron, µg/L	Lead, µg/L	Manganese, µg/L	Mercury, µg/L	Molybdenum, µg/L	Nickel, µg/L	Selenium, µg/L	Silver, µg/L	Thallium, µg/L	Uranium Emission, pCi/L	Zinc, µg/L
PW-98-2S	05-Dec-00	Fish Facility (US)	Unfiltered	-	-	-	-	-	-	-	-	-	-	-	-	-10	-0.02	0.3	1.3	0.11	7.01	6	210	0.5	2.8	9.3	0.5	0.5	2.6	4.3	850	0.5	31	0.085	22	2.6	14.6	0.5	0.5	13	16	
PW-98-2S	05-Dec-00	Fish Facility (US)	Filtered	88	88	600	1.8	960	500	3.7	6	2247.5	4390	2700	7.5	582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OW-8	13-Dec-00	Site A (LS)	Unfiltered	-	-	-	-	-	-	-	-	-	-	-	-	38	-0.01	0.06	11.4	0.06	9.97	8	710	0.5	1.3	58	0.5	0.25	16	8.7	1200	0.5	470	0.03	11	6.5	2.71	0.5	0.5	14	240	
OW-8	13-Dec-00	Site A (LS)	Filtered	124	168	1040	5	1630	810	0.32	9.16	3786.48	7380	3400	7.49	1000	-	-	-	-	-	-	-	58	0.5	2.3	50	0.5	0.5	15	4.7	40	0.5	450	0.014	10	4.1	2.65	0.5	0.5	14	240
PW-006	13-Dec-00	Site A (US)	Unfiltered	-	-	-	-	-	-	-	-	-	-	-	-	54	-0.01	0.11	2.05	0.11	28.4	3	5	0.5	1.3	33	0.5	0.25	2.4	8.3	660	0.5	2200	0.016	24	5.4	8.56	0.5	0.5	35	63	
PW-00-6	13-Dec-00	Site A (US)	Filtered	262	409	3210	6	4950	2400	0.28	26.3	11263.58	17875	10300	6.93	2300	-	-	-	-	-	-	5	3.3	2.8	32	0.5	0.5	3.2	7.5	510	0.5	2200	0.015	23	5.5	8.59	0.5	0.5	34	66	
PW-00-7	23-Jan-01	Site A (US)	Unfiltered	-	-	-	-	-	-	-	-	-	-	-	-	31	-0.01	0.15	3.22	0.09	26.1	2	14	1.3	8.9	24	0.5	0.25	2	8.1	22	0.5	1400	0.016	22	4.5	9.64	0.5	0.5	30	82	
PW-00-7	23-Jan-01	Site A (US)	Filtered	249	407	3150	7	4310	2570	0.29	26.7	10719.99	17821	11600	6.99	2300	-	-	-	-	-	-	23	0.5	1.5	24	0.5	0.25	3.8	9.9	10	0.5	1400	0.0083	21	4.4	9.74	0.5	0.5	33	80	
PW-01-9	01-Feb-01	Site B (US)	Unfiltered	-	-	-	-	-	-	-	-	-	-	-	-	-7	-0.01	0.05	1.65	0.06	10.7	52	750	0.5	0.5	81	0.5	0.25	2.2	8.8	1200	1.2	530	0.027	25	4.7	10.6	0.5	0.5	11	43	
PW-01-9	01-Feb-01	Site B (US)	Filtered	95	90	765	4	1090	451	0.24	7.62	2502.86	4765	2580	7.16	610	-	-	-	-	-	-	5	0.5	0.5	68	0.5	0.25	0.5	3.4	10	0.5	480	0.016	26	2.1	10.6	0.5	0.5	12	37	
OW-9	22-Jan-01	Site B (LS)	Unfiltered	-	-	-	-	-	-	-	-	-	-	-	-	-7	-0.01	-0.05	0.19	0.1	10.7	52	2500	0.5	4.2	98	0.5	0.25	7.1	10	4000	1.2	1000	0.025	19	13	0.2	0.5	0.5	14	32	
OW-9	22-Jan-01	Site B (LS)	Filtered	89	89	784	4	1290	295	0.32	7.86	2559.18	5386	2990	7.04	590	-	-	-	-	-	-	17	0.5	5.7	75	0.5	0.25	0.5	3.7	13	0.5	960	0.025	20	3.4	0.2	0.5	0.5	14	18	