TABLE D-5
RANGE OF INORGANIC CONSTITUENTS IN SURFACE WATER DRAINAGE SAMPLES
CASMALIA RESOURCES SUPERFUND SITE REMEDIAL INVESTIGATION

		A Drainage		North Drainage		Upper C Drainage		Lower C Drainage		RCRA Canyon	
Parameter	**Units**	**Total**	**Dissolved**	**Total**	**Dissolved**	**Total**	**Dissolved**	**Total**	**Dissolved**	**Total**	**Dissolved**
Aluminum	µg/l	4100-4100	330-330	ND-150000	ND-6700	820-100000	ND-4800	690-92000	ND-1100	ND-3900	ND
Antimony	µg/l	ND	ND	ND-150	ND-0.63	0.49-44	ND	0.48-40	ND-0.42	0.4-130	ND-0.93
Arsenic	µg/l	2.3-2.3	1.8-1.8	5.8-47	8-23	1.8-19	3.3-6.4	2.5-18	3.7-9	48-180	86-270
Barium	µg/l	35-35	23-23	50-1100	41-100	60-640	51-55	40-540	25-48	29-190	24-24
Beryllium	µg/l	0.1-0.1	0.03-0.03	ND-9	ND-1.6	0.039-4.7	ND-0.05	0.033-4.3	ND-0.02	ND-0.19	ND-0.051
Cadmium	µg/l	0.23-0.23	0.1-0.1	ND-13	ND-4.2	0.14-6.1	ND-0.15	ND-4.9	ND-0.18	0.92-4.7	0.34-5.6
Calcium	mg/l	18-18	19-19	81-740	10-720	55-180	21-180	60-180	35-170	320-460	370-440
Chromium	µg/l	ND	ND	ND-380	5-10	4-240	ND-2.1	2.2-240	ND-1.8	ND-26	5-7.8
Cobalt	µg/l	ND	ND	ND-63	ND-11	ND	ND-0.9	ND-13	ND-1.3	ND	ND
Copper	µg/l	32-32	ND	ND-160	ND-7	ND-110	ND	ND-110	ND-1	ND-44	ND-8.5
Iron	µg/l	4000-4000	950-950	ND-220000	36-3800	1100-130000	4.9-800	1100-110000	ND-720	ND-5000	ND
Lead	µg/l	0.86-0.86	0.15-0.15	ND-63	0.054-20	0.42-34	ND-0.32	0.32-33	ND-0.58	ND-1.7	ND-0.81
Magnesium	mg/l	11-11	12-12	87-710	7.7-720	43-84	13-88	43-90	21-87	240-470	280-400
Manganese	µg/l	31-31	ND	150-2000	42-1400	31-650	11-23	60-710	12-140	39-160	ND-95
Mercury	µg/l	ND	ND	ND-0.23	ND-0.05	ND-0.12	ND	ND-0.11	ND	ND-0.14	0.1-0.14
Molybdenum	µg/l	ND	14-14	ND-77	ND-68	ND-22	ND-22	ND-27	17-30	35-86	31-58
Nickel	µg/l	13-13	6.3-6.3	ND-440	17-35	4.2-230	1.5-18	2.3-230	1.5-22	67-160	74-100
Potassium	mg/l	4.2-4.2	3.2-3.2	11-56	2.2-53	4.3-18	4.3-4.6	5.1-19	4.5-14	11-22	11-15
Selenium	µg/l	1.7-1.7	1-1	6-96	0.71-120	0.46-4.3	2.3-5.8	1.2-5.7	3.2-6.2	200-740	350-1000
Silver	µg/l	ND	ND	ND-0.53	ND-1	ND-0.53	ND	ND-0.48	ND-0.02	ND-0.065	ND-0.075
Sodium	mg/l	31-31	35-35	100-2100	85-2200	66-120	70-120	81-150	87-150	560-1100	630-890
Thallium	µg/l	ND	ND	ND-2.8	ND-1	ND-1.6	ND-0.23	ND-1.5	ND-0.31	0.098-0.14	ND-0.18
Tin	µg/l	ND	ND	ND-4.4	ND-1.4	ND-3.2	ND	ND-2.9	ND	ND-0.33	ND
Vanadium	µg/l	ND	ND	36-310	ND-160	35-230	ND-40	36-200	ND-40	ND-70	47-80
Zinc	µg/l	10-10	3.8-3.8	10-470	9.9-170	4.7-280	ND-8.2	5.5-250	ND-7.6	12-33.7	7.8-20

Footnotes:
µg/l = micrograms per liter
mg/l = milligrams per liter
ND = Parameter was not detected at or above the method detection limit