TABLE D-12
SUMMARY OF INORGANIC ANALYTICAL RESULTS FOR SURFACE WATER POND SAMPLES
CASMAILIA RESOURCES SUPERFUND SITE REMEDIAL INVESTIGATION

		A-Series Pond		Pond 13		Pond 18		Pond A-5		RCF Pond	
Parameter	**Units**	**11/3/2004**	**4/8/2005**	**10/28/2004**	**4/7/2005**	**11/4/2004**	**4/12/2005**	**11/3/2004**	**4/8/2005**	**10/28/2004**	**4/7/2005**
Aluminum-T	µg/l	ND(250.) /UD	330. /D	ND(250.) /UD	ND(250.) /UD	ND(250.) /UD	ND(250.) /UD	ND(500.) /UD	320. /D	ND(250.) /UD	ND(250.) /UD
Antimony-D	µg/l	ND(10.) /UD	1.0 /J	ND(10.) /UD	ND(10.) /UD	ND(10.) /UD	0.25 /J	ND(10.) /UD	1.1 /J	ND(10.) /UD	ND(10.) /UD
Antimony-T	µg/l	ND(10.) /UD	0.48 /J	ND(20.) /UD	ND(10.) /UD	4.8 /JD	0.43 /J	ND(20.) /UD	0.45 /J	ND(20.) /UD	ND(10.) /UD
Arsenic-D	µg/l	**190. /D**	**290.**	**710. J+/D**	**200. /D**	**78. /D**	**78.**	**250. /D**	**220.**	**400. J+/D**	**110. /D**
Arsenic-T	µg/l	**210. /D**	**110.**	**310. /DB**	**150. /D**	**99. /D**	**11.**	**330. /D**	**120.**	**190. /DB**	**97. /D**
Barium-D	µg/l	67. /D	140. /D	150. /D	78. /D	ND(44.) U*/JD	120. /D	87. /JD	150. /D	43. /JD	190. /D
Barium-T	µg/l	41. /JD	18. /JD	17. /JD	56. /D	18. /JD	39. /JD	48. /JD	17. /JD	ND(50.) /UD	41. /JD
Beryllium-D	µg/l	ND(5.0) /UD	0.019 /J	0.44 J-/JD	ND(5.0) /UD	0.16 J-*/JD	ND(1.0) /U	0.35 /JD	ND(1.0) /U	0.095 J-/JD	ND(5.0) /UD
Beryllium-T	µg/l	0.51 /JD	ND(1.0) /U	0.23 /JD	ND(5.0) /UD	0.68 /JD	ND(1.0) /U	1.4 /JD	ND(1.0) /U	ND(10.) /UD	ND(5.0) /UD
Cadmium-D	µg/l	ND(5.0) /UD	0.20 /JB	ND(5.0) /UDB	ND(5.0) /UD	ND(5.0) /UD	0.42 /J	ND(5.0) /UD	ND(1.0) /UB	ND(2.0) U/JDB	ND(5.0) /UD
Cadmium-T	µg/l	ND(5.0) /UD	ND(1.0) /U	ND(10.) /UD	ND(5.0) /UD	ND(2.2) U*/JDB	1.1	3.5 /JD	0.15 /J	ND(10.) /UD	ND(5.0) /UD
Calcium-D	mg/l	1,100. /D	780. /D	1,200. /DB	620. /D	990. /D	520. /D	950. /D	560. /D	1,100. /DB	470. /D
Calcium-T	mg/l	1,200. /D	790. /D	130. /D	630. /D	1,000. /D	490. /DB	870. /D	590. /D	110. /D	490. /D
Chromium-D	µg/l	30. /JD	ND(50.) /UD	**92. /D**	ND(50.) /UD	40. /JD	ND(50.) /UD	**97. /JD**	ND(50.) /UD	**60. /D**	ND(50.) /UD
Chromium-T	µg/l	32. /JD	20. /JD	ND(50.) /UD	16. /JD	41. /JD	ND(50.) /UD	**89. /JD**	32. /JD	ND(50.) /UD	ND(50.) /UD
Copper-D	µg/l	6.1 /JD	ND(50.) /UD	ND(50.) /UD	ND(50.) /UD	10. /JD	ND(50.) /UD	21. /JD	ND(50.) /UD	ND(50.) /UD	ND(50.) /UD
Copper-T	µg/l	ND(50.) /UD	30. /JD	ND(50.) /UD	24. /JD	ND(50.) /UD	31. /JD	ND(100.) /UD	29. /JD	ND(50.) /UD	19. /JD
Cyanide (Free)	mg/l	ND(0.012) /U	ND(0.02) /U	ND(0.012) /U	ND(0.02) /U	ND(0.012) /U	0.0075 /J	ND(0.012) /U	ND(0.02) /U	ND(0.012) /U	ND(0.02) /U
Iron-D	µg/l	27. /JD	ND(250.) /UD	40. /JD	ND(250.) /UD	35. /JD	ND(250.) /UD	ND(500.) /UD	ND(250.) /UD	ND(250.) /UD	ND(250.) /UD
Iron-T	µg/l	ND(250.) /UD	ND(250.) /UD	ND(500.) /UD	ND(250.) /UD	130. /JD	ND(250.) /UD	310. J/JD	87. /JD	ND(500.) /UD	ND(250.) /UD
Lead-D	µg/l	ND(5.0) /UD	ND(1.0) /U	ND(5.0) /UD	ND(5.0) /UD	ND(5.0) /UD	0.12 /J	ND(5.0) /UD	ND(1.0) /U	ND(5.0) /UD	9.6 /D
Lead-T	µg/l	ND(5.0) /UD	0.19 /J	ND(10.) /UD	ND(5.0) /UD	0.18 /JD	0.34 /J	ND(10.) /UD	0.21 /J	ND(10.) /UD	ND(5.0) /UD

Footnotes:
D - dissolved
T - total
µg/l - micrograms per liter
mg/l - milligrams per liter
ND - not detected
NT - not tested
N - The anlysis indicates the presence of an anlyte for which there is presumptive evidence to make a tentative identification
Bold values indicate exceedances of one or more screening levels.
Qualifiers are listed as validation qualifier / lab qualifier where applicable (e.g.B/R)
Laboratory Assigned Qualifiers
B - Compound is also detected in the laboratory method
U - Compound was analyzed for but not detected.
D - Compound is identified in an analysis at a secondary
J - Result is detected below the reporting limit or is an
MACTEC Validation Assigned Qualifiers
J - Data are qualified as estimated. It is not possible to assess the direction of the potential bias. False positives or false negatives are unlikely to have been reported.
J- -Data are qualified as estimated, with a low bias likely to occur. False positives or false negatives are unlikely to have been reported.
J+ - Data are qualified as estimated, with a high bias likely to occur. False positives or false negatives are unlikely to have been reported.
U - Data are qualified as nondetected, because the analyte was observed in an associated laboratory or field blank.
Where validation qualifiers are absent, data was used for screening purposes only

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CASMAILIA RESOURCES SUPERFUND SITE REMEDIAL INVESTIGATION

		A-Series Pond		Pond 13		Pond 18		Pond A-5		RCF Pond	
Parameter	**Units**	**11/3/2004**	**4/8/2005**	**10/28/2004**	**4/7/2005**	**11/4/2004**	**4/12/2005**	**11/3/2004**	**4/8/2005**	**10/28/2004**	**4/7/2005**
Magnesium-D	mg/l	1,200. /D	790. /D	2,500. /D	640. /D	1,500. /D	540. /D	3,300. /D	1,300. /D	1,600. /D	440. /D
Magnesium-T	mg/l	1,200. /D	730. /D	250. /D	640. /D	1,600. /DB	510. /D	3,200. /D	1,300. /D	150. /D	460. /D
Manganese-D	µg/l	27. /JD	530. /D	ND(50.) /UD	490. /D	290. /D	110. /D	ND(100.) /UD	**2,000. /D**	ND(50.) /UD	170. /D
Manganese-T	µg/l	320. /D	160. /D	ND(50.) /UD	530. /D	330. /D	72. /D	**2,700. /D**	**2,500. /D**	ND(50.) /UD	160. /D
Mercury-D	µg/l	0.16 /J	0.21	0.13 J-/J	0.078 /J	0.17 /J	ND(0.20) /U	0.09 /J	0.092 /J	0.058 J-/J	ND(0.20) /U
Mercury-T	µg/l	NT	0.12 /J	0.12 J-/J	ND(0.20) /U	0.14 /J	0.062 /J	NT	0.16 /J	0.11 J-/J	ND(0.20) /U
Molybdenum-D	µg/l	42. /JD	40. /JD	38. /JD	43. /JD	55. /JD	39. /JD	63. /JD	51. /JD	35. /JD	47. /JD
Molybdenum-T	µg/l	44. /JD	38. /JD	ND(250.) /UD	38. /JD	55. /JD	41. /JD	ND(500.) /UD	48. /JD	ND(250.) /UD	38. /JD
Nickel-D	µg/l	**440. /D**	**300. /D**	**2,000. /D**	**410. /D**	**330. /D**	**160. /D**	**540. /D**	**180. /D**	**460. /D**	**120. /D**
Nickel-T	µg/l	**440. /D**	**280. /D**	**210. /D**	**430. /D**	**340. /D**	**160. /D**	**550. /D**	**220. /D**	39. /JD	**120. /D**
Potassium-D	mg/l	53. /D	37. /D	62. /D	17. /D	89. /D	40. /D	170. /D	66. /D	64. /D	23. /D
Potassium-T	mg/l	53. /D	33. /D	6.7 /D	16. /D	92. /D	38. /D	170. /D	65. /D	6.0 /D	23. /D
Selenium-D	µg/l	**690. /D**	**820.**	**2,900. J+/D**	**720. /D**	**300. /D**	**320.**	**940. /D**	**660.**	**1,600. J+/D**	**380. /D**
Selenium-T	µg/l	**900. /D**	**430.**	**1,600. /D**	**610. /D**	**430. /D**	**55.**	**1,400. /D**	**460.**	**970. /D**	**390. /D**
Silver-D	µg/l	ND(5.0) UJ/UD	ND(1.0) /U	ND(5.0) UJ/UD	ND(5.0) /UD	0.42 J-*/JD	ND(1.0) /U	ND(5.0) UJ/UD	ND(1.0) /U	ND(5.0) UJ/UD	ND(5.0) /UD
Silver-T	µg/l	ND(5.0) /UD	ND(1.0) /U	0.27 /JD	ND(5.0) /UD	0.24 /JD	0.05 /J	0.57 /JD	ND(1.0) /U	ND(10.) /UD	ND(5.0) /UD
Sodium-D	mg/l	3,400. /D	2,100. /D	8,700. /D	2,300. /D	3,300. /D	1,200. /D	6,800. /D	2,400. /D	4,500. /D	1,300. /D
Sodium-T	mg/l	3,500. /D	2,000. /D	890. /D	2,300. /D	3,300. /D	1,200. /D	6,600. /D	2,600. /D	460. /D	1,300. /D
Thallium-D	µg/l	ND(5.0) /UD	ND(1.0) /U	ND(5.0) /UD	ND(5.0) /UD	0.93 /JD	0.15 /J	ND(5.0) /UD	ND(1.0) /U	ND(5.0) /UD	ND(5.0) /UD
Thallium-T	µg/l	ND(5.0) /UD	ND(1.0) /U	ND(10.) /UD	ND(5.0) /UD	**2.0 /JD**	0.28 /J	ND(10.) /UD	ND(1.0) /U	ND(10.) /UD	ND(5.0) /UD
Tin-T	µg/l	ND(5.0) /UD	ND(1.0) /U	ND(10.) /UD	ND(5.0) /UD	1.3 /JD	0.36 /J	ND(10.) /UD	ND(1.0) /U	ND(10.) /UD	ND(5.0) /UD
Vanadium-D	µg/l	**63. /D**	ND(50.) /UD	ND(50.) /UD	ND(50.) /UD	27. /JD	ND(50.) /UD	**54. /JD**	ND(50.) /UD	ND(50.) /UD	ND(50.) /UD
Vanadium-T	µg/l	**55. /D**	**110. /D**	**54. /D**	**120. /D**	26. /JD	13. /JD	**59. /JD**	**75. /D**	33. /JD	**97. /D**
Zinc-D	µg/l	98. /D	18.	30. /D	8.1 /JD	20. /JD	22.	79. /D	23.	18. /JD	45. /D
Zinc-T	µg/l	ND(25.) /UD	20.	38. J/JD	ND(25.) /UD	25. /D	24.	ND(50.) /UD	27.	69. J/D	ND(25.) /UD

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