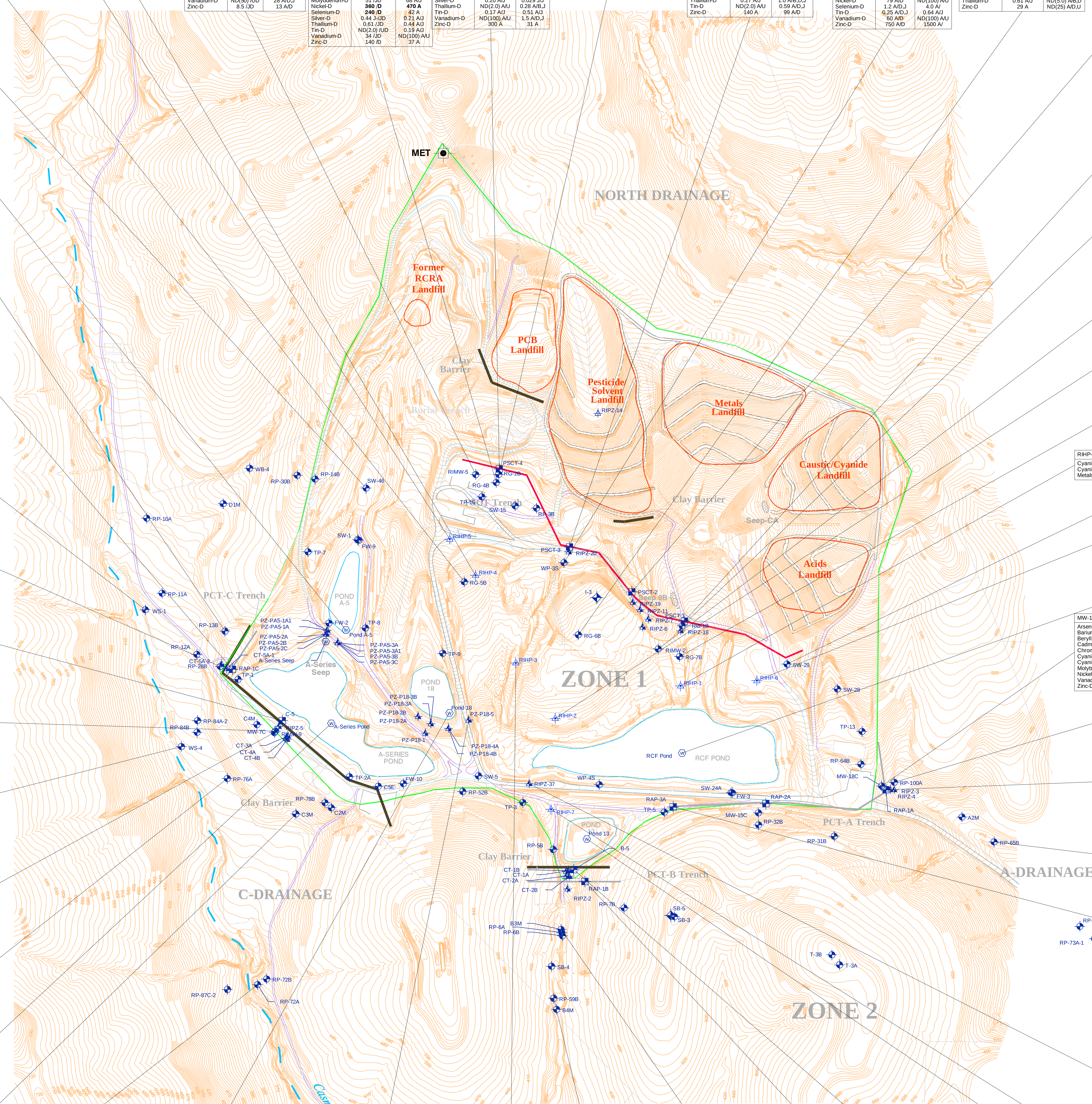

RG-5B	04/23/08	10/29/08
Arsenic-D	ND(10) A/U	**19 A/D,J**
Barium-D	ND(100) A/U	14 A/D,J
Cadmium-D	0.66 A/J	1.0 A/D,J
Chromium-D	21 A/J	ND(20) A/D,U
Cyanide-Free	ND(5.0) A/U	ND(5.0) A/U
Cyanide-AtoC	ND(5.0) A/U	ND(5.0) A/U
Lead-D	0.23 A/J	ND(10) A/D,U
Manganese-D	ND(100) A/U	260 A/B,D
Molybdenum-D	48 A/J	13 A/D,J
Nickel-D	62 A/J	56 A/D
Selenium-D	18 A/	15 A/D,J
Zinc-D	8.4 A/J	16 A/D,J

RIHP-5	02/15/07
Cyanide-AtoC	NR
Cyanide-Free	NR
Metals	NR

RIHP-4	03/02/07
Cyanide-AtoC	NR
Cyanide-Free	NR
Metals	NR

RIMW-5	10/20/06	04/27/07
Antimony-D	ND(10) /UD	0.44 A/D,J
Arsenic-D	**4.1 /JD**	**1.9 A/D,J**
Barium-D	14 /JD	17 A/D,J
Cyanide-Free	NS	NS
Cyanide-AtoC	NS	NS
Lead-D	ND(5.0) /UD	0.066 A/D,J
Manganese-D	99 /D	100 A/D
Molybdenum-D	30 /JD	ND(250) A/D,U
Nickel-D	ND(50) /UD	16 A/D,J
Selenium-D	6.5 J+/JDB	1.2 A/D,J
Tin-D	ND(5.0) /UD	0.11 A/D,J
Vanadium-D	ND(50) /UD	28 A/D,J
Zinc-D	8.5 /JD	13 A/D

RG-4B	04/25/06	04/15/08
Antimony-D	0.52 /JD	ND(2.0) A/U
Arsenic-D	**53 J-/D**	**16 A**
Barium-D	69 /D	ND(100) A/U
Cadmium-D	**13 /D**	**13 A**
Chromium-D	ND(50) /UD	16 A/J
Copper-D	ND(50) /UD	17 A/J
Cyanide-Free	ND(20) UJ/U	6.9 A
Cyanide-AtoC	ND(20) /U	6.4 A
Lead-D	ND(2.0) /UD	20 A
Manganese-D	**940 /D**	**2500 J+/**
Mercury-D	0.29 /JD	0.045 A/J
Molybdenum-D	51 /JD	68 A/J
Nickel-D	**360 /D**	**470 A**
Selenium-D	**240 /D**	42 A
Silver-D	0.44 J-/JD	0.21 A/J
Thallium-D	0.61 /JD	0.44 A/J
Tin-D	ND(2.0) /UD	0.19 A/J
Vanadium-D	34 /JD	ND(100) A/U
Zinc-D	140 /D	37 A

PSCT-4	04/30/08	11/03/08
Arsenic-D	**7.5 A**	**2.8 A**
Barium-D	ND(100) A/U	25 A/D
Cadmium-D	**31 A**	**3.1 A/B**
Chromium-D	13 A/J	5.5 A/D,J
Copper-D	16 A/J	4.6 A/D,J
Cyanide-Free	ND(5.0) A/U	5.5 A
Cyanide-AtoC	ND(5.0) A/U	5.5 A
Lead-D	0.30 A/J	0.034 A/B,J
Molybdenum-D	40 A/J	6.9 A/D,J
Nickel-D	**1100 A**	**470 A/D**
Selenium-D	50 J+	13 A
Silver-D	0.20 A/J	0.029 J/J
Thallium-D	ND(2.0) A/U	0.28 A/B,J
Tin-D	0.17 A/J	0.51 A/J
Vanadium-D	ND(100) A/U	1.5 A/D,J
Zinc-D	300 A	31 A

RG-2B	10/12/04	03/24/05
Cyanide-AtoC	NR	NR
Cyanide-Free	NR	NR
Metals	NR	NR

PSCT-3	05/01/08	11/03/08
Arsenic-D	**7.9 A**	**10 A/D**
Barium-D	ND(100) A/U	24 A/D
Cadmium-D	**41 A**	**29 A/B,D**
Chromium-D	9.5 A/J	1.9 A/D,J
Cyanide-Free	ND(5.0) A/U	ND(5.0) A/U
Cyanide-AtoC	ND(5.0) A/U	ND(5.0) A/U
Lead-D	0.21 A/J	0.72 A/B,D,J
Molybdenum-D	49 A/J	25 A/D,J
Nickel-D	**1600 A**	**970 A/D**
Selenium-D	**87 A**	**74 A/D**
Silver-D	ND(2.0) A/U	0.14 J/D,J
Thallium-D	0.27 A/J	1.0 A/B,D,J
Tin-D	ND(2.0) A/U	0.59 A/D,J
Zinc-D	140 A	99 A/D

WP-3S	04/27/07	04/18/08
Arsenic-D	**1.1 A/D,J**	ND(4.0) A/U
Barium-D	25 A/D,J	ND(100) A/U
Beryllium-D	0.092 A/D,J	ND(2.0) A/U
Cadmium-D	**57 A/D**	**3.5 A/**
Chromium-D	ND(50) A/D,U	12 A/J
Cyanide-Free	NS	NS
Cyanide-AtoC	NS	NS
Iron-D	6800 A/D	3600 A/
Lead-D	0.26 A/D,J	ND(2.0) A/U
Manganese-D	350 A/D	290 A/
Molybdenum-D	50 A/D,J	49 A/J
Nickel-D	79 A/D	ND(100) A/U
Selenium-D	1.2 A/D,J	4.0 A/
Tin-D	0.25 A/D,J	0.64 A/J
Vanadium-D	60 A/D	ND(100) A/U
Zinc-D	750 A/D	1500 A/

RG-6B	04/17/08	10/29/08
Arsenic-D	**64 A**	ND(10) A/D,U
Barium-D	ND(100) A/U	18 A/D,J
Cadmium-D	**3.5 A/J**	0.11 A/D,J
Chromium-D	16 A/J	ND(50) A/D,U
Cyanide-Free	ND(5.0) A/U	ND(5.0) A/U
Cyanide-AtoC	ND(5.0) A/U	ND(5.0) A/U
Lead-D	1.2 A/J	ND(5.0) A/B,D
Manganese-D	460 A/	640 A/D
Molybdenum-D	67 A/J	49 A/D,J
Nickel-D	**130 A**	**130 A/D**
Selenium-D	**77 A**	**230 A/D**
Thallium-D	0.61 A/J	ND(5.0) A/B,D
Zinc-D	29 A	ND(25) A/D,U

PSCT-2	05/01/08	11/03/08
Arsenic-D	**7.6 A**	**8.7 A/D,J**
Barium-D	23 A/J	21 A/D
Cadmium-D	**21 A**	**16 A/B,D**
Cyanide-Free	ND(5.0) A/U	ND(5.0) A/U
Cyanide-AtoC	ND(5.0) A/U	ND(5.0) A/U
Lead-D	0.18 A/J	0.24 A/B,D,J
Molybdenum-D	48 A/J	16 A/D,J
Nickel-D	**820 A**	**550 A/D**
Selenium-D	**71 A**	**56 A/D**
Thallium-D	0.12 A/J	0.36 A/B,D,J
Zinc-D	120 A/	69 A/D

PSCT-1	05/01/08	11/03/08
Arsenic-D	**42 A**	**53 A/D**
Barium-D	24 A/J	29 A/D
Cadmium-D	**5.1 A**	**11 A/B,D**
Cyanide-Free	ND(5.0) A/U	ND(5.0) A/U
Cyanide-AtoC	ND(5.0) A/U	ND(5.0) A/U
Iron-D	4500 A	270 A/D
Lead-D	ND(2.0) A/U	0.34 A/B,D,J
Manganese-D	860 A	740 A/D
Mercury-D	ND(0.20) A/U	0.020 A/J
Molybdenum-D	44 A/J	ND(100) A/D,U
Nickel-D	**270 A**	**290 A/D**
Selenium-D	**150 A**	**210 A/D**
Silver-D	0.076 A/J	ND(5.0) UJ/D,U
Thallium-D	ND(2.0) A/U	0.27 A/B,D,J
Zinc-D	36 A	98 A/D

SW-46	05/02/07	04/23/08
Antimony-D	0.21 A/D,J	ND(10) A/U
Arsenic-D	**83 A/D**	ND(10) A/U
Barium-D	43 A/D,J	29 A/J
Cadmium-D	0.13 A/D,J	0.19 A/J
Chromium-D	ND(50) A/D,U	20 A/J
Cyanide-Free	ND(20) A/U	NS
Cyanide-AtoC	ND(20) A/U	NS
Iron-D	14000 A/D	2200 A
Lead-D	0.15 A/D,J	0.26 A/J
Manganese-D	**4000 A/D**	**3700 A**
Mercury-D	0.048 A/J	0.022 A/J
Molybdenum-D	49 A/D,J	64 A/J
Nickel-D	**250 A/D**	**210 A**
Selenium-D	**350 A/D**	4.7 A/J
Vanadium-D	42 A/D,J	ND(100) A/U
Zinc-D	21 A/D	ND(25) A/U

RG-1B	05/01/07	04/17/08
Antimony-D	0.15 A/D,J	ND(4.0) A/U
Arsenic-D	**24 A/D**	**21 A**
Barium-D	26 A/D,J	ND(100) A/U
Cadmium-D	**21 A/D**	**2.5 A**
Chromium-D	ND(50) A/D,U	19 A/J
Cyanide-Free	ND(20) A/U	ND(5.0) A/U
Cyanide-AtoC	ND(20) A/U	ND(5.0) A/U
Iron-D	190 A/D,J	ND(500) A/U
Lead-D	0.14 A/D,J	0.32 A/J
Manganese-D	**3300 A/D**	**1500 A**
Mercury-D	0.038 A/J	ND(0.20) A/U
Molybdenum-D	35 A/D,J	33 A/J
Nickel-D	**110 A/D**	41 A/J
Selenium-D	**89 A/D**	38 A
Silver-D	0.056 A/D,J	0.36 A/J
Thallium-D	0.086 A/D,J	0.15 A/J
Tin-D	ND(2.0) A/D,U	0.26 A/J
Vanadium-D	33 A/B,D	ND(100) A/U
Zinc-D	12 A/B,D	11 A

Pond A-5	04/30/08	11/04/08
Arsenic-D	**62 A**	**130 A/D**
Barium-D	ND(100) A/U	25 A/D,J
Beryllium-D	ND(5.0) A/U	0.52 A/D,J
Cadmium-D	0.70 A/J	ND(10) A/D,U
Chromium-D	16 A/J	9.6 A/D,J
Cyanide-Free	ND(5.0) A/U	ND(5.0) A/U
Cyanide-AtoC	ND(5.0) A/U	ND(5.0) A/U
Manganese-D	180 A	**2500 A/D**
Mercury-D	0.068 A/J	0.068 A/J
Molybdenum-D	49 A/J	ND(500) A/D,U
Nickel-D	**320 A**	**410 A/D**
Selenium-D	**230 J+**	**570 A/D**
Zinc-D	18 A/J	19 A/B,D,J

RIMW-2	04/17/08	10/29/08
Arsenic-D	**110 A**	**59 A/D**
Barium-D	41 A/J	38 A/D,J
Cadmium-D	**22 A**	**26 A/D**
Chromium-D	11 A/J	ND(50) A/D,U
Copper-D	19 A/J	21 A/D,J
Cyanide-Free	ND(5.0) A/U	ND(5.0) A/U
Cyanide-AtoC	ND(5.0) A/U	ND(5.0) A/U
Lead-D	1.0 A/J	ND(10) A/D,U
Manganese-D	**7900 A/**	**11000 A/B,D**
Mercury-D	0.018 A/J	0.018 A/J
Molybdenum-D	47 A/J	ND(250) A/D,U
Nickel-D	**170 A**	**170 A/D**
Selenium-D	**160 A**	**230 A/D**
Silver-D	0.46 A/J	ND(10) A/D,U
Zinc-D	9.2 A/J	5.9 A/D,J

RP-13B	04/23/99	06/30/00
Antimony-D	ND(4.0) /UD	5.0 /JD
Barium-D	ND(100) /UD	80 /JD
Beryllium-D	ND(50) /UD	3.0 /JD
Copper-D	ND(50) /UD	260 /D
Cyanide-AtoC	ND(20) /U	ND(20) /U
Cyanide-Free	ND(20) /U	ND(20) /U
Lead-D	29 /D	ND(10) /UD
Molybdenum-D	ND(250) /UD	20 /JD
Nickel-D	57 /JD	20 /JD
Selenium-D	33	3.7
Zinc-D	ND(250) /UD	140 /BJD

RIHP-2	03/02/07
Cyanide-AtoC	NR
Cyanide-Free	NR
Metals	NR

RG-7B	04/26/07	04/17/08
Antimony-D	0.48 A/B,D	ND(10) A/U
Arsenic-D	**44 A/D**	**150 A**
Barium-D	34 A/D,J	21 A/J
Cadmium-D	**150 A/D**	**110 A**
Chromium-D	ND(50) A/D,U	20 A/J
Cyanide-Free	ND(20) A/U	ND(5.0) A/U
Cyanide-AtoC	ND(20) A/U	ND(5.0) A/U
Lead-D	0.18 A/D,J	0.56 A/J
Manganese-D	**11000 A/D**	**11000 A/**
Molybdenum-D	60 A/D,J	71 A/J
Nickel-D	**280 A/D**	**240 A**
Selenium-D	**180 A/D**	**220 A**
Thallium-D	0.28 A/D,J	ND(5.0) A/U
Vanadium-D	45 A/D,J	ND(100) A/U
Zinc-D	18 A/D,J	16 A/J

RAP-1C	04/29/08	11/04/08
Arsenic-D	**47 A**	**67 A/D**
Barium-D	ND(100) A/U	21 A/D
Cadmium-D	**7.3 A**	**8.2 A/D**
Chromium-D	14 A/J	ND(20) A/D,U
Copper-D	14 A/J	6.2 A/D,J
Cyanide-Free	ND(5.0) UJ/UJM	ND(5.0) A/U
Cyanide-AtoC	ND(5.0) A/U	ND(5.0) A/U
Lead-D	0.48 A/J	0.84 A/B,D,J
Molybdenum-D	47 A/J	ND(100) A/D,U
Nickel-D	**250 A**	**230 A/D**
Selenium-D	**170 A**	**300 A/D**
Silver-D	ND(5.0) UJ/U	0.18 J/D,J
Zinc-D	33 A	35 A/B,D

WS-1	05/04/07	04/25/08
Antimony-D	0.34 A/J	ND(4.0) A/U
Arsenic-D	**3.0 A**	**3.3 A/J**
Barium-D	45 A	42 A/J
Cadmium-D	0.14 A/J	0.13 A/J
Chromium-D	ND(10) A/U	5.3 A/J
Cyanide-Free	ND(20) A/U	ND(5.0) A/U
Cyanide-AtoC	ND(20) A/U	ND(5.0) A/U
Lead-D	0.092 A/J	ND(2.0) A/U
Manganese-D	3.8 A/J	3.9 A/J
Mercury-D	0.10 A/B,J	ND(0.20) A/U
Molybdenum-D	21 A/J	30 A/J
Nickel-D	9.9 A/J	ND(50) A/U
Selenium-D	5.9 A	7.2 A
Tin-D	0.042 A/J	ND(2.0) A/U
Vanadium-D	25 A	19 A/J
Zinc-D	7.0 A	1.9 A/J

SW-29	04/23/08	10/31/08
Arsenic-D	ND(10) A/U	**6.9 A/D,J**
Barium-D	ND(100) A/U	9.9 A/D,J
Cadmium-D	**0.25 A/J**	**0.24 A/D,J**
Chromium-D	18 A/J	ND(20) A/D,U
Cyanide-Free	ND(5.0) A/U	ND(5.0) A/U
Cyanide-AtoC	ND(5.0) A/U	ND(5.0) A/U
Iron-D	190 A/J	360 A/D
Manganese-D	700 A	**970 A/D**
Molybdenum-D	51 A/J	7.5 A/D,J
Nickel-D	44 A/J	29 A/D
Selenium-D	**55 A**	13 A/D
Zinc-D	11 A/J	31 A/D

RIHP-1	01/08/07
Cyanide-AtoC	NR
Cyanide-Free	NR
Metals	NR

RP-28B	11/10/99	07/07/00
Arsenic-D	ND(2.0) /U	**1.0 /J**
Barium-D	10 /JD	10 /JD
Copper-D	ND(50) /UD	570 /D
Cyanide-AtoC	ND(20) /U	ND(20) /U
Cyanide-Free	ND(20) /U	ND(20) /U
Nickel-D	**150 /JD**	**200 /JD**
Selenium-D	39 /D	48 /D
Silver-D	ND(50) /UD	20 /JD

RCF Pond	04/30/08	11/05/08
Arsenic-D	**65 A**	**91 A/D**
Barium-D	40 A/J	66 A/D
Beryllium-D	0.24 A/J	ND(10) A/D,U
Cadmium-D	ND(5.0) A/U	0.16 A/D,J
Chromium-D	18 A/J	ND(50) A/D,U
Cyanide-Free	ND(5.0) A/U	ND(5.0) UJ/U
Cyanide-AtoC	ND(5.0) A/U	ND(5.0) A/U
Manganese-D	**1200 A**	ND(50) A/B,D
Mercury-D	0.022 A/J	0.080 A/J
Molybdenum-D	52 A/J	22 A/D,J
Nickel-D	**370 A**	**370 A/D**
Selenium-D	**190 J+**	**370 A/D**
Silver-D	ND(5.0) A/U	1.6 J/D,J
Thallium-D	0.98 A/J	1.1 A/D,J
Tin-D	0.45 A/J	ND(10) A/D,U
Zinc-D	18 A/J	15 A/B,D,J

RIHP-6	05/24/07
Cyanide-AtoC	NR
Cyanide-Free	NR
Metals	NR

C-5	05/10/07	04/29/08
Arsenic-D	**100 A/D**	**81 A/**
Barium-D	39 A/D,J	28 A/J
Cadmium-D	3.6 A/D,J	3.4 A/J
Chromium-D	ND(50) A/D,U	12 A/J
Cyanide-Free	ND(20) A/U	ND(5.0) UJ/UJM
Cyanide-AtoC	ND(20) A/U	ND(5.0) A/U
Iron-D	440 A/D	ND(500) A/U
Manganese-D	**4200 A/D**	**4900 A/**
Mercury-D	0.022 A/B,J	0.022 A/J
Molybdenum-D	51 A/D,J	58 A/J
Nickel-D	**480 A/B,D**	**490 A/**
Selenium-D	**330 A/D**	**270 A/**
Thallium-D	0.050 A/D,J	ND(5.0) A/U
Vanadium-D	42 A/B,D	ND(100) A/U
Zinc-D	36 A/D	31 A/

MW-18C	10/18/04	04/14/05
Arsenic-D	NR	**20 J+/D**
Barium-D	NR	75 /D
Beryllium-D	NR	0.16 /JD
Cadmium-D	NR	**150 /D**
Chromium-D	NR	27 /JD
Cyanide-AtoC	NR	NS
Cyanide-Free	NR	NS
Molybdenum-D	NR	47 /JD
Nickel-D	NR	**110 /D**
Vanadium-D	NR	19 /JD
Zinc-D	NR	1900 /D

RP-100A	12/02/99	06/28/00
Arsenic-D	**1.6 /J**	ND(2.0) /U
Barium-D	ND(100) /UD	90 /JD
Chromium-D	ND(50) /UD	30 /JD
Cobalt-D	ND(250) /UD	10 /JD
Copper-D	ND(50) /UD	200 /D
Cyanide-AtoC	ND(20) /U	ND(20) /U
Cyanide-Free	ND(20) /U	ND(20) /U
Lead-D	4.0 /JD	ND(10) /UD
Molybdenum-D	44 /JD	ND(250) /UD
Nickel-D	**106 /JD**	**200 /JD**
Selenium-D	**75 /D**	**71 /D**
Silver-D	ND(50) /UD	50 /D
Zinc-D	ND(250) /UD	30 /JD

MW-7C	11/12/99	06/29/00
Arsenic-D	**11**	**8.6**
Barium-D	30 /JD	40 /JD
Copper-D	ND(50) /UD	100 /D
Cyanide-AtoC	ND(20) /U	ND(20) /U
Cyanide-Free	ND(20) /U	ND(20) /U
Lead-D	2.0 /JD	ND(10) /UD
Molybdenum-D	60 /JD	ND(250) /UD
Thallium-D	ND(4.0) /UD	**4.0 /D**

RAP-1A	04/29/08	11/03/08
Arsenic-D	**6.6 A**	**16 A/D**
Barium-D	ND(100) A/U	19 A/D,J
Cadmium-D	**5.6 A**	**6.4 A/B,D**
Copper-D	17 A/J	15 A/D,J
Cyanide-Free	ND(5.0) UJ/UJM	ND(5.0) A/U
Cyanide-AtoC	ND(5.0) A/U	ND(5.0) A/U
Lead-D	1.5 A/J	1.3 A/B,D,J
Molybdenum-D	62 A/J	29 A/D,J
Nickel-D	**100 A**	**110 A/D**
Selenium-D	**100 A**	**99 A/D**
Silver-D	0.83 J-/J	ND(5.0) UJ/D,U
Thallium-D	0.18 A/J	0.32 A/B,D,J
Tin-D	1.4 A/J	ND(5.0) A/D,U
Vanadium-D	ND(100) A/U	2.3 A/D,J
Zinc-D	190 A	190 A/D

WS-4	05/04/07	04/25/08
Barium-D	74 A/	77 A/J
Cadmium-D	0.013 A/J	ND(2.0) A/U
Cyanide-Free	ND(20) A/U	ND(5.0) A/U
Cyanide-AtoC	ND(20) A/U	ND(5.0) A/U
Iron-D	15000 A/	15000 A/
Manganese-D	**1300 A/**	**1400 A/**
Mercury-D	0.030 A/B,J	ND(0.20) A/U
Molybdenum-D	16 A/J	33 A/J
Nickel-D	5.1 A/J	ND(100) A/U
Selenium-D	0.90 A/J	1.5 A/J
Thallium-D	0.082 A/B,J	0.14 A/J
Vanadium-D	6.8 A/J	ND(100) A/U
Zinc-D	2.5 A/J	ND(10) A/U

RP-65B	11/30/99	07/06/00
Barium-D	ND(100) /UD	60 /JD
Copper-D	ND(50) /UD	300 /D
Cyanide-AtoC	ND(20) /U	ND(20) /U
Cyanide-Free	ND(20) /U	ND(20) /U
Selenium-D	**110 /D**	**92 /D**
Tin-D	ND(20) /UD	9.0 /JD
Zinc-D	ND(250) /UD	15 /JD

RIMW-9	04/17/08	10/29/08
Arsenic-D	**6.3 A**	**3.9 A**
Barium-D	26 A/J	30 A
Cadmium-D	0.12 A/J	**0.19 A/J**
Chromium-D	26 A/J	27 A
Cyanide-Free	ND(5.0) A/U	ND(5.0) A/U
Cyanide-AtoC	ND(5.0) A/U	ND(5.0) A/U
Lead-D	0.084 A/J	ND(1.0) A/U
Manganese-D	48 A/J	65 A/B
Molybdenum-D	81 A/J	69 A
Selenium-D	1.3 A/J	11 A
Silver-D	0.16 A/J	ND(1.0) A/U
Thallium-D	0.25 A/J	0.067 A/J
Tin-D	4.8 A	0.44 A/J
Vanadium-D	ND(50) A/U	4.5 A/J
Zinc-D	9.7 A/J	4.3 A/J

RAP-3A	05/08/07	04/29/08
Arsenic-D	**20 A/D**	**27 A**
Barium-D	23 A/D,J	ND(100) A/U
Cadmium-D	**5.7 A/D**	**4.6 A**
Chromium-D	ND(50) A/D,U	10 A/J
Cyanide-Free	ND(20) A/U	ND(5.0) UJ/UJM
Cyanide-AtoC	ND(20) A/U	ND(5.0) A/U
Lead-D	0.88 A/D,J	0.32 A/J
Mercury-D	0.060 A/B,J	ND(0.20) A/U
Molybdenum-D	35 A/D,J	39 A/J
Nickel-D	**190 A/D**	**180 A**
Selenium-D	**110 A/D**	**99 A**
Silver-D	0.050 A/B,D	ND(2.0) UJ/U
Tin-D	ND(5.0) A/B,D	0.14 A/J
Vanadium-D	37 A/D,J	ND(100) A/U
Zinc-D	28 A/D	29 A

RP-76A	11/23/99	06/30/00
Antimony-D	1.0 /J	ND(4.0) /U
Arsenic-D	**1.1 /J**	**1.1 /J**
Barium-D	52 /JD	90 /JD
Copper-D	ND(50) /UD	100 /D
Cyanide-AtoC	ND(20) /U	ND(20) /U
Cyanide-Free	ND(20) /U	ND(20) /U
Nickel-D	28 /JD	ND(250) /UD
Selenium-D	2.9	8.5
Zinc-D	ND(250) /UD	55 /BJD

A-Series Pond	04/30/08	11/04/08
Arsenic-D	**96 A**	**190 A/D**
Barium-D	26 A/J	43 A/D,J
Beryllium-D	ND(5.0) A/U	0.56 A/D,J
Chromium-D	11 A/J	ND(50) A/D,U
Cyanide-Free	ND(5.0) A/U	ND(5.0) A/U
Cyanide-AtoC	ND(5.0) A/U	ND(5.0) A/U
Manganese-D	76 A/J	ND(50) A/D,U
Mercury-D	ND(0.20) A/U	0.085 A/J
Molybdenum-D	56 A/J	ND(250) A/D,U
Nickel-D	**480 A**	**580 A/D**
Selenium-D	**350 J+/**	**830 A/D**
Zinc-D	16 A/J	10 A/B,D,J

RP-103B	11/30/99	06/28/00
Arsenic-D	**1.0 /J**	ND(2.0) /U
Barium-D	ND(100) /UD	100 /D
Copper-D	ND(50) /UD	40 /JD
Cyanide-AtoC	ND(20) /U	ND(20) /U
Cyanide-Free	ND(20) /U	ND(20) /U
Molybdenum-D	155 /JD	ND(250) /UD
Nickel-D	56 /JD	40 /JD
Selenium-D	**110 /D**	**94 /D**
Zinc-D	ND(250) /UD	73 /JD

RIPZ-37	10/24/06
Antimony-D	0.14 /J
Arsenic-D	71
Barium-D	120
Cadmium-D	0.085 /J
Cobalt-D	46 /J
Cyanide-AtoC	ND(20) /U
Cyanide-Free	ND(20) /U
Lead-D	0.14 /J
Molybdenum-D	37 /J
Nickel-D	**200**
Selenium-D	**260**
Vanadium-D	25 /J
Zinc-D	29

C3M	12/09/99	07/05/00
Antimony-D	ND(8.0) /UD	1.0 /J
Arsenic-D	**4.4**	**3.4**
Barium-D	60 /JD	200 /D
Cobalt-D	20 /JD	8.0 /JD
Copper-D	ND(50) /UD	100 /D
Cyanide-AtoC	ND(20) /U	ND(20) /U
Cyanide-Free	ND(20) /U	ND(20) /U
Molybdenum-D	50 /JD	30 /JD
Nickel-D	40 /JD	30 /JD
Selenium-D	2.4	5.0
Silver-D	30 /JD	ND(50) /UD
Zinc-D	6.5 J/JD	120 /BJD

Pond 18	05/01/08	11/04/08
Arsenic-D	**25 A**	**83 A/D**
Barium-D	25 A/J	26 A/D,J
Cadmium-D	**0.42 A/J**	ND(10) A/D,U
Chromium-D	11 A/J	ND(50) A/D,U
Cyanide-Free	8.5 A	ND(5.0) A/U
Cyanide-AtoC	8.5 A	ND(5.0) A/U
Iron-D	ND(500) A/U	210 A/D,J
Manganese-D	140 A/	480 A/D
Mercury-D	ND(0.20) A/U	0.072 A/J
Molybdenum-D	120 A/J	34 A/D,J
Nickel-D	**270 A**	**460 A/D**
Selenium-D	**110 A**	**370 A/D**
Thallium-D	1.2 A/J	ND(10) A/D,U
Zinc-D	5.9 A/J	12 A/B,D,J

PZ-P18-5	04/30/07	04/22/08
Arsenic-D	**27 A/D**	**32 A/**
Barium-D	31 A/D,J	14 A/J
Cadmium-D	**56 A/D**	**1.9 A/J**
Chromium-D	ND(50) A/D,U	11 A/J
Cobalt-D	17 A/D,J	34 A/J
Cyanide-Free	9.0 A/J	ND(5.0) A/U
Cyanide-AtoC	ND(20) A/U	ND(5.0) A/U
Iron-D	530 A/D	63 A/J
Manganese-D	**8100 A/D**	**9700 A/**
Mercury-D	0.038 A/J	ND(0.20) A/U
Molybdenum-D	52 A/D,J	43 A/J
Nickel-D	**470 A/D**	**480 A/**
Selenium-D	**110 A/D**	**120 A/**
Thallium-D	0.54 A/D,J	0.79 A/J
Vanadium-D	53 A/D	ND(50) A/U
Zinc-D	30 A/D	13 A/J

RP-59B	12/01/99	07/05/00
Arsenic-D	**2.3**	**1.7 /J**
Barium-D	16 /JD	70 /JD
Copper-D	ND(50) /UD	280 /D
Cyanide-AtoC	ND(20) /U	ND(20) /U
Cyanide-Free	ND(20) /U	ND(20) /U
Nickel-D	ND(250) /UD	20 /JD
Selenium-D	7.9	6.2
Tin-D	7.0 /JD	ND(20) /UD
Zinc-D	ND(250) /UD	64 /BJD

B3M	12/06/99	07/06/00
Arsenic-D	**1.7 /J**	**2.9**
Barium-D	16 /JD	70 /JD
Copper-D	ND(50) /UD	100 /D
Cyanide-AtoC	ND(20) /U	ND(20) /U
Cyanide-Free	ND(20) /U	ND(20) /U
Mercury-D	ND(0.20) /U	0.19 J/BJ
Molybdenum-D	28 /JD	ND(250) /UD
Selenium-D	1.9 /J	ND(2.0) /U
Tin-D	6.0 /JD	ND(20) /UD
Zinc-D	ND(250) UJ/UD	56 /JD

RIHP-7	06/04/07
Cyanide-AtoC	NR
Cyanide-Free	NR
Metals	NR

B-5	11/11/99	06/29/00
Arsenic-D	**7.3**	**2.0**
Barium-D	58 /JD	200 /D
Copper-D	ND(50) /UD	200 /D
Cyanide-AtoC	ND(20) /U	ND(20) /U
Cyanide-Free	ND(20) /U	ND(20) /U
Nickel-D	**108 /JD**	**100 /JD**

Pond 13	04/30/08	11/05/08
Arsenic-D	**55 A**	**120 A/D**
Barium-D	45 A/J	93 A/D,J
Chromium-D	23 A/J	ND(100) A/D,U
Cyanide-Free	ND(5.0) A/U	ND(5.0) UJ/U
Cyanide-AtoC	ND(5.0) A/U	ND(5.0) A/U
Lead-D	0.69 A/J	ND(10) A/B,D
Manganese-D	ND(100) A/U	**3400 A/B,D**
Mercury-D	ND(0.20) A/U	0.080 A/J
Molybdenum-D	57 A/J	43 A/D,J
Nickel-D	**440 A**	**600 A/D**
Selenium-D	**220 J+**	**500 A/D**
Thallium-D	ND(5.0) A/U	1.8 A/D,J
Zinc-D	14 A/J	8.0 A/B,D,J

RIHP-3	03/02/07
Cyanide-AtoC	NR
Cyanide-Free	NR
Metals	NR

RAP-1B	04/29/08	11/03/08
Arsenic-D	**23 A**	**51 A/D**
Barium-D	31 A/J	51 A/D
Cadmium-D	**2.8 A**	**9.4 A/B,D**
Chromium-D	12 A/J	ND(50) A/D,U
Cyanide-Free	ND(5.0) UJ/UJM	ND(5.0) A/U
Cyanide-AtoC	ND(5.0) A/U	ND(5.0) A/U
Iron-D	210 A/J	110 A/D,J
Lead-D	0.73 A/J	0.74 A/B,D,J
Manganese-D	**1700 A/**	**2600 A/D**
Molybdenum-D	48 A/J	21 A/D,J
Nickel-D	**200 A**	**330 A/D**
Selenium-D	**79 A**	**190 A/D**
Thallium-D	ND(2.0) A/U	0.66 A/B,D,J
Zinc-D	78 A	55 A/D

RP-72A	11/22/99	07/07/00
Antimony-D	4.0 /JD	ND(8.0) /UD
Arsenic-D	**4.0**	**3.5**
Barium-D	30 /JD	20 /JD
Copper-D	ND(50) /UD	100 /D
Cyanide-AtoC	ND(20) /U	ND(20) /U
Cyanide-Free	ND(20) /U	ND(20) /U
Molybdenum-D	48 /JD	30 /JD
Selenium-D	16	14
Vanadium-D	28 /JD	20 /JD

0 400 800
SCALE IN FEET

RP-75A	11/18/99	06/29/00
Arsenic-D	**4.8**	**5.5**
Barium-D	12 /JD	200 /D
Copper-D	ND(50) /UD	270 /D
Cyanide-AtoC	ND(20) /U	ND(20) /U
Cyanide-Free	ND(20) /U	ND(20) /U
Lead-D	2.0 /JD	ND(10) /UD
Molybdenum-D	36 /JD	ND(250) /UD
Nickel-D	54 /JD	40 /JD
Selenium-D	1.48 /J	1.3 /J
Silver-D	ND(50) /UD	20 /BJD
Thallium-D	ND(4.0) /UD	**4.0 /D**
Zinc-D	ND(250) /UD	38 /JD

RP-75B	11/18/99	06/29/00
Antimony-D	ND(8.0) /UD	4.0 /JD
Arsenic-D	**3.2**	**3.3**
Barium-D	21 /JD	200 /D
Copper-D	ND(50) /UD	200 /D
Cyanide-AtoC	ND(20) /U	ND(20) /U
Cyanide-Free	ND(20) /U	ND(20) /U
Molybdenum-D	36 /JD	ND(250) /UD
Silver-D	ND(50) /UD	30 /JD
Thallium-D	ND(4.0) /UD	**4.0 /D**
Zinc-D	284 /D	440 /D

LEGEND

- Burial Trench
- Landfill Boundaries
- Facility and Zone 1 Boundary
- Perimeter Source Control Trench (PSCT)
- Plume Capture Collection Trench (PCT)
- Clay Barrier
- Creek
- Pond Outline
- MW-15C — Upper HSU Monitoring Well
- GW-P(E) — Upper HSU Piezometer
- RAP-2A — Upper HSU Extraction Point
- POND18 — Upper HSU Surface Water Sample
- SW-10 — Upper HSU Other Sampling Point
- RIHP-1 — Upper HSU Hydropunch
- MET — Meteorological Station

B-30	10/17/96
1,2-DCB	580 J/B

Well Number
Date (Month/Day/Year)
Groundwater Concentrations in Micrograms Per Liter
Validation Qualifier/Laboratory Qualifier
Chemical

List of chemical abbreviations and data qualifiers provided in text.

The two most current sampling events are posted.

No results posted indicates no chemicals reported above detection limits.

Laboratory and Validation Qualifiers:

- "D" The sample or sample extract was diluted prior to analysis due to high levels of target analytes or matrix interferences.
- "B" The analyte was detected in an associated blank sample.
- "J" The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample. For the inorganic methods, a "+" or "-" may be added to indicate high or low bias.
- "N" The analysis indicates the presence of an anlyte for which there is presumptive evidence to make a tentative identification.
- "NJ" The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated value represents an approximate concentration.
- "U" Compound was analyzed, but not detected above the listed sample quantitation limit.
- "UJ" The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is an estimate.
- "R" The result is rejected due to a serious deficiency in the analysis or associated quality control analysis.
- "*" Indicates that the qualifier was applied in response to a Level IV review finding.

The widths of the clay barriers, PSCT, and PCT trenches are exaggerated for presentation purposes.

Bold values indicate exceedences of MCL/PRGs.

ND Not detected, but sampled and analyzed
NR Not sampled/analyzed due to lack of water recovered from sampling location.
NS Not sampled

NOTES:

Topo map revised 1998, 2000, 2004. Topo with P/S landfill and borrow area revised 2000. (Foster-Wheeler).

Zone 1 boundary (green) is approximate and includes the area within the facility boundary.

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NO.	DATE	REVISIONS	BY	CHK

DRAWN: PCB | PROJECT NO: 4088097619
ENGINEER: | SCALE: 1"= 400'
CHECKED: NAM | APPROVED: WJF
DATE: 1/2011 | DATE: 1/2011

Final Remedial Investigation Report

Casmalia Resources Superfund Site
Casmalia, California

Cyanide and Dissolved Metals in the Upper HSU Southern Area Remedial Investigation Sampling

FIGURE G-12
SHEET: 1 OF 1
REVISION NUMBER: 0
DATE: January 2011