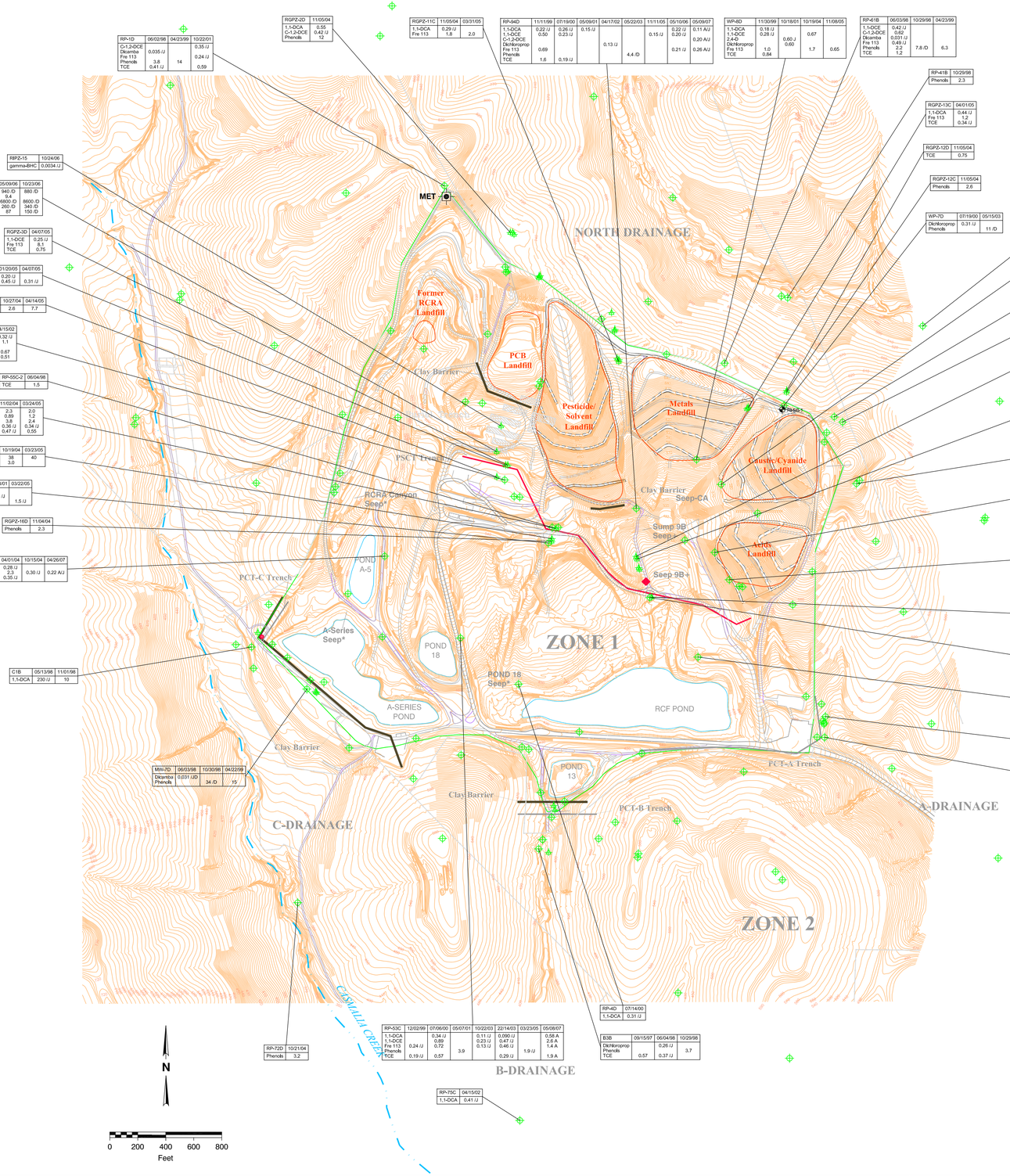

RP-1D	06/02/98	04/23/99	10/22/01
C-1,2-DCE			0.35 UJ
Dicamba	0.035 UJ		0.24 UJ
Fre 113			
Phenols	3.8	14	0.59
TCE	0.41 UJ		

RGPZ-2D	11/05/04
1,1-DCA	0.55
C-1,2-DCE	0.42 UJ
Phenols	12

RGPZ-11C	11/05/04	03/31/05
1,1-DCA	0.29 UJ	
Fre 113	1.8	2.0

RP-94D	11/11/99	07/19/00	05/09/01	04/17/02	05/22/03	11/11/05	05/10/06	05/09/07
1,1-DCA	0.22 UJ	0.26 UJ	0.15 UJ				0.22 UJ	0.11 AU
1,1-DCE	0.50	0.23 UJ				0.15 UJ	0.20 UJ	
C-1,2-DCE				0.13 UJ				0.20 AU
Dichloroprop							0.21 UJ	0.26 AU
Fre 113	0.69							
Phenols					4.4 /D			
TCE	1.6	0.19 UJ						

WP-9D	11/30/99	10/18/01	10/19/04	11/08/05
1,1-DCA	0.18 UJ			
1,1-DCE	0.28 UJ		0.67	
2,4-D		0.60 J		
Dichloroprop		0.60		
Fre 113	1.0		1.7	0.65
TCE	0.84			

RP-61B	06/03/98	10/29/98	04/23/99
1,1-DCE	0.42 UJ		
C-1,2-DCE	0.62		
Dicamba	0.031 UJ		
Fre 113	0.49 UJ		
Phenols	2.2	7.8 /D	6.3
TCE	1.2		

RP-41B	10/29/98
Phenols	2.3

RGPZ-13C	04/01/05
1,1-DCA	0.44 UJ
Fre 113	1.2
TCE	0.34 UJ

RGPZ-12D	11/05/04
TCE	0.75

RGPZ-12C	11/05/04
Phenols	2.6

WP-7D	07/19/00	05/15/03
Dichloroprop	0.31 UJ	
Phenols		11 /D

RP-109D	10/17/03
Phenols	4.9 /D

RP-95D	12/09/99	07/12/00
1,1-DCA		0.24 UJ
1,1-DCE		0.21 UJ
Fre 113	0.16 /BJ	

RP-62D	12/07/99	05/14/03	10/16/03
1,1-DCA	0.18 UJ		
Fre 113	0.34 UJ	1.3 UJ	12 /D
Phenols			
TCE	0.24 UJ		

RP-62B-1	05/14/03	10/13/04
Phenols	2.0	67

RGPZ-6C	11/02/04	04/14/05
1,1-DCA	0.20 UJ	0.28 UJ
1,1-DCE	0.17 UJ	0.45 UJ
2,4-D		2.2
C-1,2-DCE	0.67	0.58
Fre 113	0.46 UJ	0.96
TCE	0.86	0.56

RGPZ-6D	11/05/04	04/06/05
1,1-DCA	130 /D	110 /D
1,1-DCE	75	3.4 BJD
Dichloroprop	8.5	6.6 /JD
Fre 113		38 J/D
Phenols	66 /D	12 J/D
TCE	300 /D	1400 B/D

RP-63C	05/16/03	10/13/04	03/30/05	05/02/06
Fre 113				
Phenols	8.1 /D	52	0.34 UJ	0.83 J

RP-96C-2	06/05/98	10/31/98	05/05/99	07/18/00
1,1-DCA				0.41 UJ
1,1-DCE				0.16 UJ
Fre 113				0.77
Phenols	1.2 UJ		15	
TCE		0.30 UJ		1.1

RP-68C	09/26/97	06/09/98	11/01/98	05/05/99	11/22/99	07/19/00
1,1-DCA	850 /D	1200	1300	1200	840 /D	1200 /D
1,1-DCE	250 /D	450	310	300	240 /D	240 /D
2,4-D					4.1	
alpha-BHC		0.0010 UJ				
C-1,2-DCE	15	31	45	46	21 /D	51 /D
Dicamba	100 J	0.60 J/D			0.085	
Dichloroprop	640 J	15 J/D	65 /JD	11 /N	37	14 /ND
Fre 113	7.3 /B	25 B/B	13	53	19 /JD	36 B/D
gamma-BHC						0.13
Silvex		3.9 J/D	6.1 /JD	7.2 /D	5.7	3.4 /D
TCE	14	39	55	67	22 /D	63 /D

RGPZ-8D	11/05/04	04/15/05
Dichloroprop		0.42 /NJ
TCE	0.62	0.30 UJ

RG-1C	07/24/98	11/03/98	04/30/99
1,1-DCA	0.16 UJ		
C-1,2-DCE	0.13 UJ		
Fre 113	0.68		
Phenols		10	24 /D
TCE		0.25 UJ	

RP-107D	07/24/98	11/02/98
C-1,2-DCE		0.53
Fre 113	0.66	1.0
TCE		1.7

A2B	05/29/98	12/09/99	07/06/00	10/21/04
1,1-DCA			0.15 UJ	
Dicamba	0.099			
Fre 113		0.19 /BJ		3.4
Phenols				

RP-101C	10/27/98
Phenols	18

RP-15	10/24/06
gamma-BHC	0.0034 UJ

RIPZ-16	05/09/06	10/23/06
1,1-DCA	940 /D	880 /D
1,1-DCE	9.4	
C-1,2-DCE	6800 /D	8600 /D
Fre 113	260 /D	340 /D
TCE	67	150 /D

RGPZ-3D	04/07/05
1,1-DCE	0.25 UJ
Fre 113	8.1
TCE	0.75

RGPZ-3C	01/20/05	04/07/05
C-1,2-DCE	0.20 UJ	
Fre 113	0.45 UJ	0.31 UJ

RGPZ-4C	10/27/04	04/14/05
Phenols	2.6	7.7

RP-54C	06/04/98	04/15/02
1,1-DCA		0.32 UJ
1,1-DCE		1.1
Dicamba	0.040 UD	
Fre 113		0.67
TCE	2.6	0.51

RP-55C-2	06/04/98
TCE	1.5

RGPZ-14D	11/02/04	03/24/05
1,1-DCA	2.3	2.0
1,1-DCE	0.69	1.2
C-1,2-DCE	3.8	2.4
Fre 113	0.36 UJ	0.34 UJ
TCE	0.47 UJ	0.55

RGPZ-15B	10/19/04	03/23/05
Fre 113	38	40
Phenols	3.0	

WP-3D	06/05/98	04/26/99	10/23/01	03/22/05
Dicamba	0.73			
Fre 113			0.23 UJ	
Phenols	2.2	27 /D		1.5 UJ

RGPZ-16D	11/04/04
Phenols	2.3

DB-1	12/03/99	04/10/02	05/15/03	10/17/03	04/01/04	10/15/04	04/26/07
1,1-DCA		0.099 UJ			0.28 UJ		
Fre 113	0.33 UJ	0.28 UJ	0.24 UJ	1.1 B	2.3	0.30 UJ	0.22 AU
TCE		0.10 UJ			0.35 UJ		

C1B	05/13/98	11/01/98
1,1-DCA	230 UJ	10

MW-7D	06/03/98	10/30/98	04/22/99
Dicamba	0.031 UD		
Phenols		34 /D	15

RP-72D	10/21/04
Phenols	3.2

RP-103C	12/02/99	07/06/00	05/07/01	10/22/03	22/14/03	03/23/05	05/08/07
1,1-DCA		0.34 UJ		0.11 UJ	0.090 UJ		0.58 A
1,1-DCE		0.89		0.23 UJ	0.47 UJ		2.6 A
Fre 113	0.24 UJ	0.72		0.13 UJ	0.46 UJ		1.4 A
Phenols			3.9			1.9 UJ	
TCE	0.19 UJ	0.57			0.29 UJ		1.9 A

RP-4D	07/14/00
1,1-DCA	0.31 UJ

B3B	09/15/97	06/04/98	10/29/98
Dichloroprop		0.26 UJ	3.7
Phenols			
TCE	0.57	0.37 UJ	

RP-75C	04/15/02
1,1-DCA	0.41 UJ

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
- Lower HSU plezometer
- RP-63C — Lower HSU monitoring well
- MET — Meteorological Station

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

- Well Number
- Date (Month/Day/Year)
- Groundwater Concentrations in micrograms per liter
- Chemical

List of chemical abbreviations and data qualifiers provided in text.

No results posted indicates no chemicals reported above detection limits.

"J" indicates estimated value. "D" indicates diluted sample.
"N" indicates TIC. "B" indicates blank-qualified result.

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

NOTES:

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

The twelve representative chemicals are: Freon 113, TCE, 1,1-DCA, 1,1-DCE, and PCE, Phenol, Dichlorprop, Dicamba, 2,4,5-TP(Silvex), 2,4-D, Alpha-BHC and Lindane. The list of representative chemicals was developed in *Casmalia RGMEW Seasonal Variability Evaluation Technical Memorandum* dated June 28, 2002 and prepared by Harding ESE.

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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

Twelve Representative Chemicals in the Lower HSU 1997 through October 2008

FIGURE **G-4**
SHEET: **1** OF **1**
REVISION NUMBER: 0
DATE: January 2011