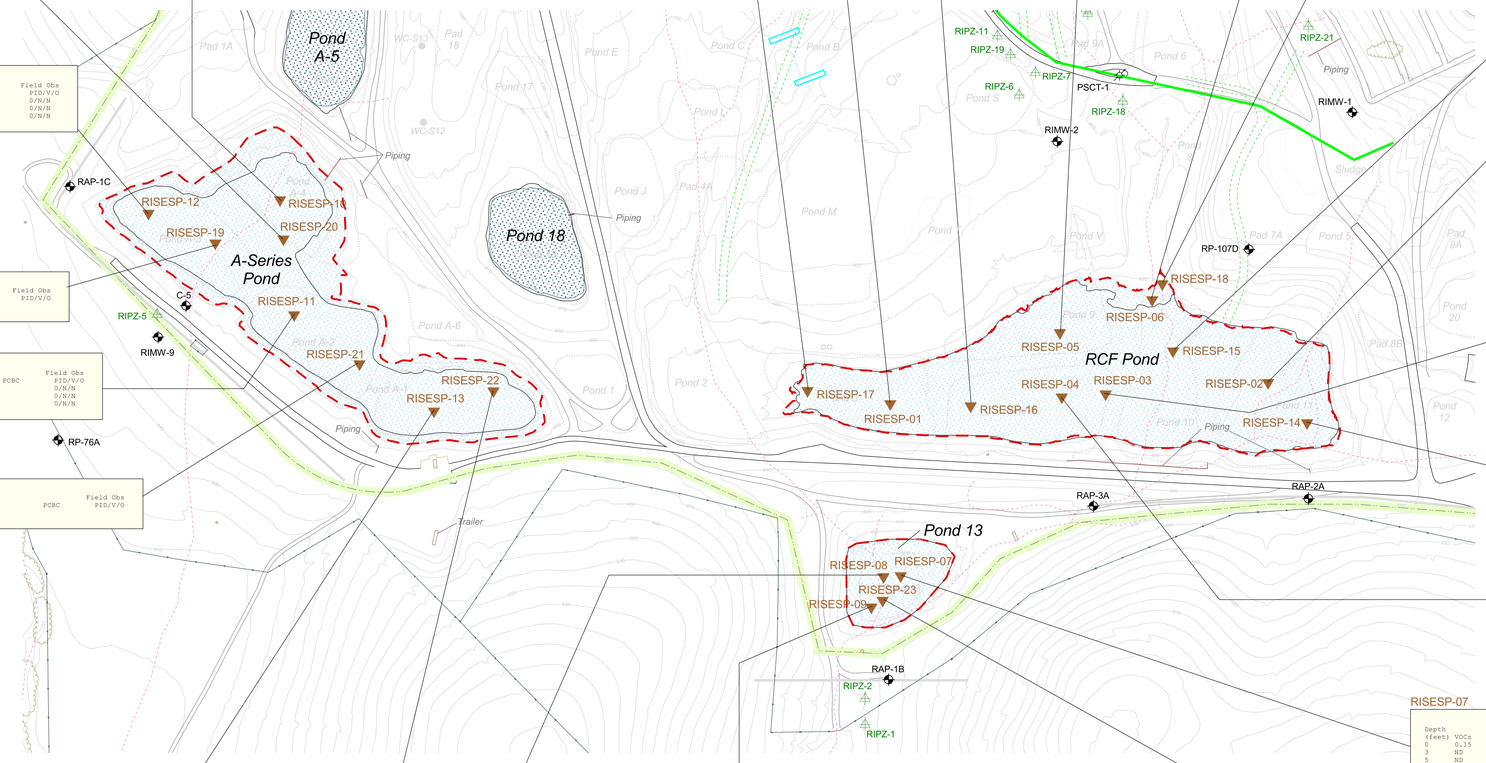

RISESP-10

Depth (feet)	VOCs	SVOCs	PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	ND	ND	0.0039	ND	0.041	ND	0.2966507	0.00194346	0/N/N
3	ND	ND	ND	ND	0.04	ND	0.00536		0/N/N
5	ND	ND	ND	ND	ND				0/N/N

RISESP-20

Depth (feet)	VOCs	SVOCs	PAHs	AVS	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0.5				5870					

RISESP-12

Depth (feet)	VOCs	SVOCs	PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	0.0026	ND	ND	ND	ND				0/N/N
3	0.03	ND	0.0057	ND	ND				0/N/N
5	0.017	ND	0.0065	ND	ND				0/N/N

RISESP-19

Depth (feet)	VOCs	SVOCs	PAHs	AVS	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0.5				4780					

RISESP-11

Depth (feet)	VOCs	SVOCs	PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	0.014	ND	ND	ND	ND				0/N/N
3	ND	ND	ND	ND	ND				0/N/N
5	ND	ND	0.0029	ND	ND				0/N/N

RISESP-21

Depth (feet)	VOCs	SVOCs	PAHs	AVS	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0.5				5810					

RISESP-05

Depth (feet)	VOCs	SVOCs	PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	ND	ND	ND	0.047 E	0.0065 E				0/N/N
3	0.026	ND	ND	ND	ND				0/N/N
5	0.0429	ND	ND	ND	ND				0/N/N

RISESP-16

Depth (feet)	VOCs	SVOCs	PAHs	AVS	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0.5				3810					

RISESP-01

Depth (feet)	VOCs	SVOCs	PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	0.012	ND	ND	0.042 E	1.12	0.065	0.2150335		0/N/N
2.8	0.0745	ND	ND	ND	0.793	0.019	0.0299193		0/N/N
4.5	0.0353	0.18	0.0038	ND	ND				0/N/N

RISESP-17

Depth (feet)	VOCs	SVOCs	PAHs	AVS	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0.5				1110				11.64459	

RISESP-06

Depth (feet)	VOCs	SVOCs	PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	0.0049	ND	ND	0.047 E	0.02065 E				0/N/N
3	ND	ND	ND	0.055 E	0.022 E				0/N/N
4.50	--	--	--	--	--	--	--	--	--
5	ND	ND	ND	0.028 E	0.0053 E				0/N/N

RISESP-18

Depth (feet)	VOCs	SVOCs	PAHs	AVS	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0.5				905				3.864513	

RISESP-15

Depth (feet)	VOCs	SVOCs	PAHs	AVS	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0.5				2170					

RISESP-02

Depth (feet)	VOCs	SVOCs	PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	0.0389	ND	ND	0.099 E	0.0134 E				0/N/N
3	0.0348	ND	ND	ND	ND				0/N/N
5	0.0698	ND	0.0033	ND	ND				0/N/N

RISESP-03

Depth (feet)	VOCs	SVOCs	PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	0.052	ND	ND	0.056 E	ND			5.116174	0/N/N
3	0.0157	ND	0.0954	0.28 E	0.0217 E				0/N/N
5	0.0088	ND	ND	ND	0.00093 E				0/N/N

RISESP-14

Depth (feet)	VOCs	SVOCs	PAHs	AVS	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0.5				2060					

RISESP-04

Depth (feet)	VOCs	SVOCs	PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	0.024	ND	0.028	0.098 E	0.0089			5.782082	0/N/N
2.5	0.012	ND	0.0503	0.13 E	0.0188 E				0/N/N
5	0.0081	ND	0.0069	0.059 E	0.0053 E				0/N/N

RISESP-07

Depth (feet)	VOCs	SVOCs	PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	0.15	ND	ND	ND	ND	ND	0.0238145		0/N/N
3	ND	ND	ND	0.025 E	ND	ND	0.1110438	0.2144684	0/N/N
5	ND	ND	ND	ND	ND				0/N/N

RISESP-23

Depth (feet)	VOCs	SVOCs	PAHs	AVS	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0.5				4820					

RISESP-13

Depth (feet)	VOCs	SVOCs	PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	ND	ND	ND	ND	ND				0/N/N
2	ND	ND	ND	0.024 E	ND				0/N/N
5	0.0462	0.17	ND	ND	ND				0/N/N

RISESP-22

Depth (feet)	VOCs	SVOCs	PAHs	AVS	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0.5				4010					

RISESP-08

Depth (feet)	VOCs	SVOCs	PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	ND	ND	ND	ND	ND				0/N/N
2.5	ND	ND	ND	ND	ND				0/N/N
4.7	ND	ND	ND	ND	ND				0/N/N

RISESP-09

Depth (feet)	VOCs	SVOCs	PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	0.051	ND	ND	ND	ND			0.5117809	0/N/N
3	ND	ND	ND	ND	ND				0/N/N
5	ND	ND	ND	ND	ND				0/N/N

Notes:

Laboratory Analytical Results

ND = None Detected
x.xx = Reported Concentration
- D/F in ng/kg
- All others in mg/kg

blank space = No Test Conducted at Particular Depth

Screening Level Exceedence

R = EPA Region 9 Residential PRG
r = Cal-Modified Residential PRG
I = EPA Region 9 Industrial PRG
i = Cal-Modified Industrial PRG
E = Lowest Ecological Screening Level

PID Field Observation (PID)

x.xx = Headspace Reading (ppmv)

Visual (V) and Odor (O) Field Observations

N = None
L = Light
M = Moderate
H = Heavy

- -
Water table encountered in borehole

Analytical Categories

VOCs = Summed Volatile Organic Compounds
SVOCs = Summed Semi-Volatile Organic Compounds
PAHs = Summed Polycyclic Aromatic Hydrocarbons
PCBs = Summed Polychlorinated Biphenyls
P/Hs = Summed Pesticides and Herbicides
PPC/As = Summed Poor-Purging Compounds and Alcohols
D/Fs = Dioxin/Furan TEQ
PCBC = PCB Congener TEQ

Explanation

Soil Sample Locations
- Sediment (Type 8a/8b)

Other Site Features
- Casmalia Site Boundary
- Stormwater Ponds Area Boundary
- Piezometer
- Monitoring Well
- Liquids Extraction Well
- Historical Soil Samples
- Perimeter Source Control Trench (Brierly & Lyman, 1989)
- Perimeter Control Trench (Brierly & Lyman, 1989)
- Fence
- Road Remnants
- Historical Natural Drainage (Based on 1956 Photo, 1974 Topographic Maps, and Figures 21-2 and 21-3 Woodward-Clyde, 1988)
- Historical Features
- Stormwater Pond
- Treated Liquid Impoundment
- Trench

0 240 480
Scale in Feet

Source: Topographic base map provided by Pacific Engineering, Inc. from aerial survey dated March 4, 2004

Figure B-19b

Summary Analytical Results and Field Observations Stormwater Ponds

Final Remedial Investigation Report
Casmalia Resources Superfund Site
January 2011

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