TABLE B-2
SUMMARY OF SOIL AND SEDIMENT SAMPLING AND PHYSICAL TESTING PROGRAM
CASMALIA RESOURCES SUPERFUND SITE REMEDIAL INVESTIGATION

Site ID	Description	Sample ID	Proposed Depth Range (ft)	Actual Depth Range (ft)	Type	Soil pH	Total Organic Carbon (TOC)	Fractional Organic Carbon (FOC)	Moisture Content	Bulk Density/Total Porosity	Grain Size Distribution	Atterberg Limits
Soil Locations												
RISBCD-01	soil boring (T4)	SSS00204	10-10.5	10.00 - 14.00	Primary	✓	✓		✓	✓	✓	✓
RISBCD-02	soil boring (T4)	SSS00208	10-10.5	10.00 - 14.00	Primary	✓	✓		✓	✓	✓	✓
RISBLT-03	soil boring (T5)	SSS00269	10-10.5	10.00 - 14.00	Primary		✓		✓	✓	✓	✓
RISBLT-04	soil boring (T5)	SSS00274	10-10.5	10.00 - 14.50	Primary	✓	✓		✓	✓	✓	✓
RISBMS-01	soil boring (T5)	SSS00331	10-10.5	10.00 - 14.50	Primary	✓	✓		✓	✓	✓	✓
RISBMS-04	soil boring (T5)	SSS00335	10-10.5	10.00 - 14.00	Primary	✓	✓		✓	✓	✓	✓
RISSOF-04	shallow boring (T3 mod.)	SSS01043	5-5.5	5.00-6.00	Primary		✓	✓				
RISSOF-05	shallow boring (T3 mod.)	SSS01044	5-5.5	5.00-6.00	Primary		✓	✓				
RISSON-43	shallow boring (T3 mod.)	SSS01060	3-3.5	3.00-5.00	Primary		✓	✓				
RISSON-43	shallow boring (T3 mod.)	SSS01061	3-3.5	3.00-5.00	Duplicate		✓	✓				
RISSON-43	shallow boring (T3 mod.)	SSS01062	5-5.5	5.00-6.00	Primary		✓	✓				
RISSON-44	shallow boring (T3 mod.)	SSS01063	3-3.5	3.00-4.00	Primary		✓	✓				
RISSON-44	shallow boring (T3 mod.)	SSS01064	5-5.5	5.00-6.00	Primary		✓	✓				
RISSON-45	shallow boring (T3 mod.)	SSS01065	3-3.5	3.00-4.00	Primary		✓	✓				
RISSON-45	shallow boring (T3 mod.)	SSS01066	5-5.5	5.00-6.00	Primary		✓	✓				
RISSON-46	shallow boring (T3 mod.)	SSS01067	3-3.5	3.00-4.00	Primary		✓	✓				
RISSON-46	shallow boring (T3 mod.)	SSS01068	5-5.5	5.00-6.00	Primary		✓	✓				
Sediment Locations												
RISESP-01	sediment (T8)	SED00015	0-0.5	0.00 - 0.60	Primary	✓	✓		✓	✓	✓	✓
RISESP-01	sediment (T8)	SED00016	3-3.5	2.80 - 4.50	Primary	✓	✓				✓	✓
RISESP-01	sediment (T8)	SED00017	5-5.5	4.50 - 7.30	Primary	✓	✓		✓	✓	✓	✓
RISESP-01	sediment (T8)	SED00018	5-5.5	4.50 - 7.30	Duplicate	✓	✓				✓	✓
RISESP-02	sediment (T8)	SED00019	0-0.5	0.00 - 1.50	Primary	✓	✓		✓	✓	✓	✓
RISESP-02	sediment (T8)	SED00020	3-3.5	3.00 - 4.00	Primary	✓	✓		✓	✓	✓	✓
RISESP-02	sediment (T8)	SED00021	5-5.5	5.00 - 5.80	Primary	✓	✓		✓	✓	✓	✓
RISESP-03	sediment (T8)	SED00022	0-0.5	0.00 - 1.00	Primary	✓	✓		✓	✓	✓	✓
RISESP-03	sediment (T8)	SED00023	3-3.5	3.00 - 5.00	Primary	✓	✓		✓	✓	✓	✓
RISESP-03	sediment (T8)	SED00024	5-5.5	5.00 - 6.80	Primary	✓	✓		✓	✓	✓	✓
RISESP-04	sediment (T8)	SED00025	0-0.5	0.00 - 1.00	Primary	✓	✓		✓	✓	✓	✓
RISESP-04	sediment (T8)	SED00026	3-3.5	2.50 - 5.50	Primary	✓	✓		✓	✓	✓	✓
RISESP-04	sediment (T8)	SED00027	5-5.5	5.00 - 6.50	Primary	✓	✓		✓	✓	✓	✓
RISESP-05	sediment (T8)	SED00028	0-0.5	0.00 - 1.00	Primary	✓	✓		✓	✓	✓	✓
RISESP-05	sediment (T8)	SED00029	0-0.5	0.00 - 1.00	Duplicate	✓	✓		✓	✓	✓	✓
RISESP-05	sediment (T8)	SED00030	3-3.5	3.00 - 5.00	Primary	✓	✓		✓	✓	✓	✓
RISESP-05	sediment (T8)	SED00031	5-5.5	5.00 - 7.00	Primary	✓	✓		✓	✓	✓	✓
RISESP-06	sediment (T8)	SED00032	0-0.5	0.00 - 0.60	Primary	✓	✓		✓	✓	✓	✓
RISESP-06	sediment (T8)	SED00033	3-3.5	3.00 - 3.50	Primary	✓	✓		✓	✓	✓	✓
RISESP-06	sediment (T8)	SED00034	5-5.5	5.00 - 5.50	Primary	✓	✓		✓	✓	✓	✓
RISESP-07	sediment (T8)	SED00035	0-0.5	0.00 - 0.60	Primary	✓	✓		✓	✓	✓	✓
RISESP-07	sediment (T8)	SED00036	3-3.5	3.00 - 4.50	Primary	✓	✓		✓	✓	✓	✓
RISESP-07	sediment (T8)	SED00037	5-5.5	5.00 - 6.00	Primary	✓	✓		✓	✓	✓	✓
RISESP-08	sediment (T8)	SED00038	0-0.5	0.00 - 2.50	Primary	✓	✓		✓	✓	✓	✓
RISESP-08	sediment (T8)	SED00039	3-3.5	2.50 - 4.00	Primary	✓	✓		✓	✓	✓	✓
RISESP-08	sediment (T8)	SED00040	3-3.5	2.50 - 4.00	Duplicate	✓	✓		✓	✓	✓	✓
RISESP-08	sediment (T8)	SED00041	5-5.5	4.70 - 5.50	Primary	✓	✓		✓	✓	✓	✓
RISESP-09	sediment (T8)	SED00042	0-0.5	0.00 - 0.60	Primary	✓	✓		✓	✓	✓	✓
RISESP-09	sediment (T8)	SED00043	3-3.5	3.00 - 4.50	Primary	✓	✓		✓	✓	✓	✓
RISESP-09	sediment (T8)	SED00044	5-5.5	5.00 - 6.00	Primary	✓	✓		✓	✓	✓	✓
RISESP-10	sediment (T8)	SED00045	0-0.5	0.00 - 0.50	Primary	✓	✓		✓	✓	✓	✓
RISESP-10	sediment (T8)	SED00046	3-3.5	3.00 - 5.00	Primary	✓	✓		✓	✓	✓	✓
RISESP-10	sediment (T8)	SED00047	5-5.5	5.00 - 7.00	Primary	✓	✓		✓	✓	✓	✓
RISESP-11	sediment (T8)	SED00048	0-0.5	0.00 - 0.50	Primary	✓	✓		✓	✓	✓	✓
RISESP-11	sediment (T8)	SED00049	3-3.5	3.00 - 5.00	Primary	✓	✓		✓	✓	✓	✓
RISESP-11	sediment (T8)	SED00050	5-5.5	5.00 - 7.00	Primary	✓	✓		✓	✓	✓	✓

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CASMALIA RESOURCES SUPERFUND SITE REMEDIAL INVESTIGATION

Site ID	Description	Sample ID	Proposed Depth Range (ft)	Actual Depth Range (ft)	Type	Soil pH	Total Organic Carbon (TOC)	Fractional Organic Carbon (FOC)	Moisture Content	Bulk Density/Total Porosity	Grain Size Distribution	Atterberg Limits
Sediment Locations (continued)												
RISESP-12	sediment (T8)	SED00052	0-0.5	0.00 - 0.50	Primary	✓	✓		✓	✓	✓	✓
RISESP-12	sediment (T8)	SED00053	3-3.5	3.00 - 5.00	Primary	✓	✓		✓	✓	✓	✓
RISESP-12	sediment (T8)	SED00054	5-5.5	5.00 - 7.00	Primary	✓	✓		✓	✓	✓	✓
RISESP-13	sediment (T8)	SED00055	0-0.5	0.00 - 0.50	Primary	✓	✓		✓	✓	✓	✓
RISESP-13	sediment (T8)	SED00056	3-3.5	2.00 - 3.50	Primary	✓	✓		✓	✓	✓	✓
RISESP-13	sediment (T8)	SED00057	5-5.5	5.00 - 7.00	Primary	✓	✓		✓	✓	✓	✓
RISETL-01	sediment (T8)	SED00058	0-0.5	0.00 - 1.00	Primary	✓	✓		✓	✓	✓	✓
RISETL-01	sediment (T8)	SED00059	3-3.5	0.00 - 1.00	Primary	✓	✓		✓	✓	✓	✓
RISETL-01	sediment (T8)	SED00060	5-5.5	5.00 - 5.90	Primary	✓	✓		✓	✓	✓	✓
RISETL-02	sediment (T8)	SED00061	0-0.5	0.00 - 1.10	Primary	✓	✓		✓	✓	✓	✓
RISETL-02	sediment (T8)	SED00062	0-0.5	0.00 - 1.10	Duplicate	✓	✓		✓	✓	✓	✓
RISETL-02	sediment (T8)	SED00063	3-3.5	3.00 - 3.90	Primary	✓	✓		✓	✓	✓	✓
RISETL-02	sediment (T8)	SED00064	5-5.5	4.70 - 5.50	Primary	✓	✓		✓	✓	✓	✓
RISETL-03	sediment (T8)	SED00065	0-0.5	0.00 - 0.50	Primary	✓	✓		✓	✓	✓	✓
RISETL-03	sediment (T8)	SED00066	3-3.5	3.00 - 5.00	Primary	✓	✓		✓	✓	✓	✓
RISETL-03	sediment (T8)	SED00067	5-5.5	5.00 - 8.00	Primary	✓	✓		✓	✓	✓	✓
RISETL-04	sediment (T8)	SED00068	0-0.5	0.00 - 0.50	Primary	✓	✓		✓	✓	✓	✓
RISETL-04	sediment (T8)	SED00069	3-3.5	2.50 - 4.50	Primary	✓	✓		✓	✓	✓	✓
RISETL-04	sediment (T8)	SED00070	5-5.5	4.50 - 6.50	Primary	✓	✓		✓	✓	✓	✓
RISETL-05	sediment (T8)	SED00071	0-0.5	0.00 - 0.50	Primary	✓	✓		✓	✓	✓	✓
RISETL-05	sediment (T8)	SED00072	3-3.5	2.50 - 5.00	Primary	✓	✓		✓	✓	✓	✓
RISETL-05	sediment (T8)	SED00073	3-3.5	2.50 - 5.00	Duplicate	✓	✓		✓	✓	✓	✓
RISETL-05	sediment (T8)	SED00074	5-5.5	5.00 - 6.50	Primary	✓	✓		✓	✓	✓	✓
RISETL-06	sediment (T8)	SED00075	0-0.5	0.00 - 0.50	Primary	✓	✓		✓	✓	✓	✓
RISETL-06	sediment (T8)	SED00076	3-3.5	2.70 - 4.50	Primary	✓	✓		✓	✓	✓	✓
RISETL-06	sediment (T8)	SED00077	5-5.5	4.50 - 7.20	Primary	✓	✓		✓	✓	✓	✓
RISETL-06	sediment (T8)	SED00078	5-5.5	4.50 - 7.20	Duplicate	✓	✓		✓	✓	✓	✓

Notes:
T3 - Surface to shallow samples
T4 - Surface to medium depth
T5 - Surface to deep samples
T8 - Sediment samples
Soil pH analysis conducted by Method EPA 9045C
TOC analysis conducted by the Walkley Blakley Method
Moisture Content analysis conducted by ASTM D2216
Bulk Density analysis conducted by ASTM D2937
Total Porosity analysis conducted by API RP40
Grain Size Disturbution analysis conducted by ASTM D422/D44464M
Atterberg Limits analysis conducted by ASTM 4318