Rhodia, Inc.
Wet to Dry Weight Sample Result Conversions
Peyton Slough Trench Sample Locations

URS Trench Samples

Sample Location	Depth [feet]	Copper [mg/Kg] wet	Copper [mg/Kg] dry	Copper 2 sig figs	Zinc [mg/Kg] wet	Zinc [mg/Kg] dry	Zinc 2 sig figs
T-1	Fill	20000	33333	33,000	1900	3167	3,200
T-1	0.5	970	1617	1,600	420	700	700
T-1	1.5	20000	33333	33,000	5600	9333	9,300
T-1	3	1400	2333	2,300	380	633	630
T-2	Spoils	1100	1833	1,800	480	800	800
T-3	1	14000	23333	23,000	2800	4667	4,700
T-3	2	1600	2667	2,700	600	1000	1,000
T-3	4	690	1150	1,200	650	1083	1,100
T-4	Spoils	810	1350	1,400	640	1067	1,100
T-4	Fill	1500	2500	2,500	580	967	970
T-5	0.5	180	300	300	160	267	270
T-5	1	1500	2500	2,500	930	1550	1,600
T-5	2	540	900	900	570	950	950
T-5	2.5	330	550	550	580	967	970
T-5	4	610	1017	1,000	840	1400	1,400
T-7	0.5	22	37	37	90	150	150
T-7	1	2100	3500	3,500	2000	3333	3,300
T-7	1.5	900	1500	1,500	600	1000	1,000
T-9	2	6700	11167	11,000	2000	3333	3,300
T-11	0.5	540	900	900	3700	6167	6,200
T-12	0.5	66	110	110	97	162	160
T-12	1	110	183	180	120	200	200
T-12	2.5	1300	2167	2,200	1000	1667	1,700
T-12	4	460	767	770	2400	4000	4,000

URS (cap design) samples with % Solids

Sample Location	Depth [feet]	Location	Copper (mg/kg) dry	Zinc (mk/kg) dry	% Solids
RCM 1-1	0-1	Bottom	865	6,940	45.5
RCM 1-2	1-2	Bottom	4010	10,000	47.2
RCM 2-1	0-1	Bottom	7350	6,120	32.7
RCM 2-2	1-2	Bottom	220	347	21.0
RCM 3-1	0-1	Sidewall	153	949	25.4
RCM 3-2	1-2	Sidewall	32.5	458	19.8
RCM 4-1	0-1	Sidewall	80	2,110	23.8
RCM 4-2	1-2	Sidewall	61.3	327	23.4
RCM 5-1	0-1	Bottom	9680	4710	41.3
RCM 5-2	1-2	Bottom	5150	3750	41.2
RCM 6-1	0-1	Sidewall	138	985	42.6
RCM 6-2	1-2	Sidewall	209	731	51.4
RCM 7-1	0-1	Sidewall	389	752	47.7
RCM 7-2	1-2	Sidewall	2520	3780	46.9

Summary of Solids fractions used

Depth	Location	
0-1	RA6-2	**70.0**
1-2	RA11-2	**50.0**
Solids Fraction avg.		**0.6**

(RCM 1 sample taken near the trench samples at approximately same depths)

0.600 =Average for Tide Gate Area Bottom

Rhodia, Inc.
Wet to Dry Weight Sample Result Conversions
Peyton Slough Sidewall and Bottom Sample Locations

URS Slough Surface Samples

Sample Location	Depth [feet]	Copper [mg/Kg] wet	dry	2 sig figs	Zinc [mg/Kg] wet	dry	2 sig figs
N1	0	480	623	620	300	390	390
N2	0	75	97	97	810	1052	1,100
N3	0	190	247	250	510	662	660
N4	0	180	243	240	300	405	400
N5	0	33	51	51	77	119	120
N6	0	52	144	140	86	239	240
N7	0	510	607	610	480	571	570
N8	0	880	1143	1100	650	844	840
N9	0	5900	7662	7700	910	1182	1,200
S1	0	270	370	370	360	493	490
S2	0	820	1519	1,500	1100	2037	2,000
S3	0	280	519	520	360	667	670
S4	0	270	310	310	3800	4368	4,400
S5	0	170	195	200	1200	1379	1,400
S6	0	240	276	280	1000	1149	1,100
S7	0	1800	2069	2,100	530	609	610
S8	0	1700	1954	2,000	360	414	410
S9	0	1700	1954	2,000	290	333	330
S10	0	1700	2537	2,500	550	821	820
S11	0	230	253	250	330	363	360

URS (Risk Assessment) samples with % Solids

Sample Location	Depth [feet]	Location	Copper (mg/kg) dry	Zinc (mk/kg) dry	% Solids
RA1	0-0.5		64	150	36
RA2	0-0.5		390	1,200	93
RA3	0-0.5		210	760	61
RA4	0-0.5		270	470	74
RA5	0-0.5		5,500	770	77
RA6	0-0.5		640	620	94
RA7	0-0.5		330	310	91
RA8	0-1.5		670	610	88
RA9	0-0.5		740	380	73
RA10	0-0.5		1,900	1,400	54
RA11	0-0.5		300	2,400	87
RA12	0-0.5		1,300	330	67

Geographic analysis was used to determine which RA moisture content to use for each individual N or S sample conversion.

Rhodia, Inc.
Wet to Dry Weight Sample Result Conversions
Peyton Slough Sidewall and Bottom Sample Locations

URS Slough Bottom Samples

Sample Location	Depth [feet]	Copper [mg/Kg] wet	dry	2 sig figs	Zinc [mg/Kg] wet	dry	2 sig figs
NorthSL1	0	42	101.82	100	68	164.85	160
NorthSL1 Mouth	0	35	84.85	85	65	157.58	160
NorthSL2 A	0	57	138.18	138	90	218.18	220
NorthSL2 B	0	34	82.42	82	73	176.97	180
NorthSL2 C	0	18	43.64	44	32	77.58	78

URS Slough Sidewall Samples

Sample Location	Depth [feet]	Copper [mg/Kg] wet	dry	2 sig figs	Zinc [mg/Kg] wet	dry	2 sig figs
N1E	0	1300	2714	2700	2000	4175	4,200
N1W	0	75	157	160	240	501	500
N2E	0	78	163	160	98	205	210
N2W	0	75	157	160	110	230	230
N3E	0	75	157	160	140	292	290
N3W	0	63	132	130	150	313	310
N4E	0	390	814	810	1400	2923	2,900
N4E	3	110	230	230	820	1712	1,700
N4W	0	9.8	20	20	38	79	79
N5E	0	34	71	71	92	192	190
N5W	0	82	171	170	330	689	690
S1E	0	33	143	140	260	1,126	1,100
S1W	0	540	2,338	2,300	450	1,948	1,900
S1W	2	9.1	39	39	3200	13,853	14,000
S2E	0	1000	4,329	4,300	520	2,251	2,300
S2E	2	29	126	130	79	342	340
S2W	0	190	823	820	210	909	900
S3E	0	190	823	820	360	1,558	1,600
S3W	0	560	2,424	2,400	510	2,208	2,200
S3W	3	72	312	310	100	433	430
S4E	0	160	693	690	290	1,255	1,300
S4W	0	110	476	480	240	1,039	1,000
S5E	0	200	866	870	120	519	520
S5W	0	95	411	410	660	2,857	2,900
S5W	2	73	316	320	43	186	190

URS (cap design) samples with % Solids

Sample Location	Depth [feet]	Location	Copper (mg/kg) dry	Zinc (mk/kg) dry	% Solids
RCM 1-1	0-1	Bottom	865	6,940	45.5
RCM 1-2	1-2	Bottom	4010	10,000	47.2
RCM 2-1	0-1	Bottom	7350	6,120	32.7
RCM 2-2	1-2	Bottom	220	347	21.0
RCM 3-1	0-1	Sidewall	153	949	25.4
RCM 3-2	1-2	Sidewall	32.5	458	19.8
RCM 4-1	0-1	Sidewall	80	2,110	23.8
RCM 4-2	1-2	Sidewall	61.3	327	23.4
RCM 5-1	0-1	Bottom	9680	4710	41.3
RCM 5-2	1-2	Bottom	5150	3750	41.2
RCM 6-1	0-1	Sidewall	138	985	42.6
RCM 6-2	1-2	Sidewall	209	731	51.4
RCM 7-1	0-1	Sidewall	389	752	47.7
RCM 7-2	1-2	Sidewall	2520	3780	46.9

CALCULATION OF AREA SOLIDS FRACTIONS

% Solids North Slough

Sidewalls

Depth	Location	% Solids
0-1	RCM 6-1	42.6
0-1	RCM 7-1	47.7
1-2	RCM 6-2	54.4
1-2	RCM 7-2	46.9
Solids Fraction avg.		**0.479**

Bottom

Depth	Location	% Solids
0-1	RCM 5-1	41.3
1-2	RCM 5-2	41.2
Solids Fraction avg.		**0.4125**

% Solids South Slough

Sidewalls

Depth	Location	% Solids
0-1	RCM 3-1	25.4
0-1	RCM 4-1	23.8
1-2	RCM 3-2	19.8
1-2	RCM 4-2	23.4
Solids Fraction avg.		**0.231**

Bottom

Depth	Location	% Solids
0-1	RCM 2-1	32.7
1-2	RCM 2-2	21.0
Solids Fraction avg.		**0.2685**

Summary of Solids fractions used

0.413	=Average for North Slough Bottom
0.479	=Average for North Slough Sidewalls
0.269	=Average for South Slough Bottom
0.231	=Average for South Slough Sidewalls
0.464	=Average for Tide Gate Area Bottom

% Solids Tide Gate Area

Bottom

Depth	Location	
0-1	RCM 1-1	**45.5**
1-2	RCM 1-2	**47.2**
Solids Fraction avg.		**0.4635**

Rhodia, Inc.
Wet to Dry Weight Sample Result Conversions
New Alignment and Dredge Spoil Area - SSB Samples

Sample ID	Percent Moisture	TOC [%] wet	TOC [%] dry	Copper [mg/Kg] wet	Copper [mg/Kg] dry	Zinc [mg/Kg] wet	Zinc [mg/Kg] dry	Sulfide [mg/Kg] wet	Sulfide [mg/Kg] dry	Sulfate [mg/Kg] wet	Sulfate [mg/Kg] dry
PP1	8	1.6	1.74	49	53	130	141	10	11	930	1011
PP2	3	0.73	0.75	19	20	82	85	10	10	330	340
PP3	13	0.84	0.97	25	29	97	111	10	11	53	61
PP4	15	0.89	1.05	43	51	110	129	10	12	360	424
PP5	6	0.49	0.52	36	38	96	102	10	11	5400	5745

Sample ID	Percent Moisture	Copper [mg/Kg] wet	Copper [mg/Kg] dry	Zinc [mg/Kg] wet	Zinc [mg/Kg] dry
SSB4-0.5	42.6	200	348	320	557
SSB5-4	67.6	400	1235	220	679
SSB6-0.5	32.4	21	31	63	93
SSB8-0.5	43.1	320	562	170	299
SSB13-1	39.1	19	31	84	138

Sample Location	Depth [feet]	Copper [mg/Kg] wet	Copper [mg/Kg] dry	Copper [mg/Kg] 2 sig figs	Zinc [mg/Kg] wet	Zinc [mg/Kg] dry	Zinc [mg/Kg] 2 sig figs
SSB1-0 pier	0-0.5	30	68	68	69	157	160
SSB1-0	0-0.5	22	50	50	79	180	180
SSB1-1	1-1.5	76	173	170	620	1,412	1,400
SSB1-2	2-2.5	72	164	160	180	410	410
SSB1-3	3-3.5	42	96	96	42	96	96
SSB1-4	4-4.5*	43	98	98	100	228	230
SSB2-0	0-0.5	15	34	34	66	150	150
SSB2-1	1-1.5	4.5	10	10	23	52	52
SSB2-2	2-2.5	5.2	12	12	25	57	57
SSB2-3	3-3.5	4.8	11	11	26	59	59
SSB2-4	4-4.5*	4.7	11	11	24	55	55
SSB3-0	0-0.5	36	82	82	81	185	190
SSB3-1	1-1.5	76	173	170	130	296	300
SSB3-2	2-2.5	110	251	250	130	296	300
SSB3-4	4-4.5*	130	296	300	210	478	480
SSB4-0	0-0.5	270	445	450	190	313	310
SSB4-0.5	0.5-1	200	350	350	320	560	560
SSB4-1	1-1.5	70	115	120	110	181	180
SSB4-4	4-4.5*	5.2	19	19	320	1,145	1,100
SSB5-3	3-3.5	290	1,038	1,000	94	336	340
SSB5-4	4-4.5*	400	1,200	1,200	220	680	680
SSB6-0	0-0.5	310	511	510	120	198	200
SSB6-0.5	0.5-1	21	31	31	63	93	93
SSB6-1	1-1.5	17	28	28	48	79	79
SSB6-4	4-4.5*	10	36	36	130	465	470
SSB7-3	3-3.5	190	680	680	130	465	470
SSB8-0	0-0.5	1100	1,812	1,800	390	643	640
SSB8-0.5	0.5-1	320	560	560	170	300	300
SSB8-1	1-1.5	15	25	25	240	395	400
SSB8-4	4-4.5*	4.8	17	17	3.5	13	13
SSB9-0	0-0.5	1500	2,471	2,500	370	610	610
SSB10-0.5	0.5-1	44	72	72	52	86	86
SSB10-4	4-4.5*	32	114	110	87	311	310
SSB11-0.5	0.5-1	210	346	350	120	198	200
SSB11-4	4-4.5*	160	572	570	120	429	430
SSB12-1	1-1.5	240	395	400	350	577	580
SSB12-4	4-4.5*	210	751	750	110	394	390
SSB13-0	0-0.5	480	791	790	130	214	210
SSB13-1	1-1.5	19	31	31	84	140	140
SSB14-0	0-0.5	1,500	2,471	2,500	390	643	640

% Solids from North of Tide Gate

Depth		
2-5 ft	**0.439**	NSCM-1 (north of tide gate)
		Solids fractions from Yip's Data

% Solids from South of Tide Gate

Depth		
2-5 ft	0.235	NSCM-2 (south of tide gate)
		Solids fractions from Yip's Data
4 ft	0.324	SSB-5
	0.2795	Average - Apply to 2 to 5 ft sample depths

Depth		
0.5	0.574	SSB4
0.5	0.676	SSB6
0.5	0.569	SSB8
1	0.609	SSB13
	0.607	Average - Apply to 0 to 2 ft sample depths