

DataSet	SampleNar	Easting	Northing	DateCollected	Cadmium	Copper	Lead
MPCA May PE1		497705	4974634	5/29/2007	3.1	45	29
MPCA May PE1-2		497705	4974634	5/29/2007	9.8	81	68
MPCA May PE10		497695.9	4973091	5/30/2007	1.6	15	11
MPCA May PE10-2		497695.9	4973091	5/30/2007	2.6	20	19
MPCA May PE11		497431	4972543	5/30/2007	1.1	15	12
MPCA May PE11-2		497431	4972543	5/30/2007	0.64	14	12
MPCA May PE12		498093.1	4972761	5/30/2007	0.92	11	9
MPCA May PE12-2		498093.1	4972761	5/30/2007	2	16	15
MPCA May PE2		497912.9	4974706	5/29/2007	2	22	20
MPCA May PE2-2		497912.9	4974706	5/29/2007	3.8	28	27
MPCA May PE3		497873.5	4974445	5/29/2007	1.9	17	15
MPCA May PE3-2		497873.5	4974445	5/29/2007	0.87	19	27
MPCA May PE4		498268.1	4974475	5/29/2007	1.6	16	13
MPCA May PE4-2		498268.1	4974475	5/29/2007	3.1	24	23
MPCA May PE5		497491.3	4974053	5/29/2007	2	16	14
MPCA May PE5-2		497491.3	4974053	5/29/2007	1.3	16	13
MPCA May PE6		497879.5	4974008	5/29/2007	1.8	15	13
MPCA May PE6-2		497879.5	4974008	5/29/2007	2.4	21	22
MPCA May PE7		497072.6	4973277	5/29/2007	1.4	14	12
MPCA May PE7-2		497072.6	4973277	5/29/2007	1.2	15	13
MPCA May PE8		497783.1	4973502	5/29/2007	1.6	14	11
MPCA May PE8-2		497783.1	4973502	5/29/2007	1.9	18	19
MPCA May PE9		498256	4973484	5/29/2007	1.2	11	11
MPCA May PE9-2		498256	4973484	5/29/2007	0.75	10	7.8
MPCA Oct . PEL-001-0-		497613.2	4974950	10/22/2014	3.7	59.5	72.1
MPCA Oct . PEL-001-6-		497613.2	4974950	10/22/2014	8.4	98.3	122
MPCA Oct . PEL-002-0-		497703.8	4974917	10/27/2014	3.2	52.9	57.2
MPCA Oct . PEL-002-6-		497703.8	4974917	10/27/2014	4.5	60.1	92.6
MPCA Oct . PEL-003-0-		497770.6	4974955	10/27/2014	3.1	49	50.5
MPCA Oct . PEL-003-6-		497770.6	4974955	10/27/2014	0.78	41.7	36
MPCA Oct . PEL-004-0-		497648.2	4974928	10/23/2014	0.89	35.2	53.8
MPCA Oct . PEL-004-6-		497648.2	4974928	10/23/2014	0.5	33.4	58.7
MPCA Oct . PEL-005-0-		497837.1	4974978	10/27/2014	3.5	62.3	65.8
MPCA Oct . PEL-005-6-		497837.1	4974978	10/27/2014	0.66	30.7	40.8
MPCA Oct . PEL-006-0-		497622	4974930	10/23/2014	34	166	179
MPCA Oct . PEL-006-6-		497622	4974930	10/23/2014	20.8	135	143
MPCA Oct . PEL-007-0-		497642.1	4974947	10/23/2014	1	29.1	45.1
MPCA Oct . PEL-007-6-		497642.1	4974947	10/23/2014	0.49	30.4	55.9
MPCA Oct . PEL-008-0-		497709.1	4974873	10/27/2014	1.5	43.4	58.4
MPCA Oct . PEL-008-6-		497709.1	4974873	10/27/2014	5.1	63.5	94.6
MPCA Oct . PEL-009-0-		497700.7	4974811	10/27/2014	4.6	83.3	56.9
MPCA Oct . PEL-009-6-		497700.7	4974811	10/27/2014	19.3	296	169
MPCA Oct . PEL-010-0-		497763.8	4974827	10/27/2014	2.6	61.7	34.7
MPCA Oct . PEL-010-6-		497763.8	4974827	10/27/2014	0.56	31.9	56.1
MPCA Oct . PEL-011-0-		497762.3	4974777	10/22/2014	4.5	62.2	54.3
MPCA Oct . PEL-011-6-		497762.3	4974777	10/22/2014	6.4	60.7	73.8

MPCA Oct . PEL-012-0-	497660.9	4974959	10/23/2014	2.7	48.7	58.5
MPCA Oct . PEL-012-6-	497660.9	4974959	10/23/2014	3	44.2	81.7
MPCA Oct . PEL-013-0-	497691.9	4974990	10/23/2014	1.1	30.8	55.3
MPCA Oct . PEL-013-6-	497691.9	4974990	10/23/2014	0.51	35.3	61.3
MPCA Oct . PEL-014-0-	497736.1	4974916	10/27/2014	4	53.6	57.7
MPCA Oct . PEL-014-6-	497736.1	4974916	10/27/2014	0.62	35.8	63.5
MPCA Oct . PEL-015-0-	497780.8	4975013	10/24/2014	2.1	53.4	57.6
MPCA Oct . PEL-015-6-	497780.8	4975013	10/24/2014	0.53	31.2	53.6
MPCA Oct . PEL-016-0-	497845.9	4975043	10/24/2014	5.8	68.9	158
MPCA Oct . PEL-016-6-	497845.9	4975043	10/24/2014	1.7	37.6	51.1
MPCA Oct . PEL-017-0-	497731.6	4975022	10/24/2014	21.4	162	244
MPCA Oct . PEL-017-6-	497731.6	4975022	10/24/2014	8	63.9	77.4
MPCA Oct . PEL-018-0-	497724	4974975	10/23/2014	4.5	53.7	74.5
MPCA Oct . PEL-018-6-	497724	4974975	10/23/2014	0.61	32.9	54.4
MPCA Oct . PEL-019-0-	497812.9	4974950	10/27/2014	3.5	51.7	54.4
MPCA Oct . PEL-019-6-	497812.9	4974950	10/27/2014	0.7	27.1	34.2
MPCA Oct . PEL-020-0-	497750.7	4974900	10/27/2014	5.4	66.8	67.5
MPCA Oct . PEL-020-6-	497750.7	4974900	10/27/2014	0.93	31.9	50.6
MPCA Oct . PEL-021-0-	497670.4	4974895	10/23/2014	8.5	109	136
MPCA Oct . PEL-021-6-	497670.4	4974895	10/23/2014	18.8	126	153
MPCA Oct . PEL-022-0-	497633.9	4974983	10/22/2014	1.2	35.7	59.6
MPCA Oct . PEL-022-6-	497633.9	4974983	10/22/2014	0.42	23.2	38.1
MPCA Oct . PEL-023-0-	497862.2	4975009	10/24/2014	0.55	42.3	24.5
MPCA Oct . PEL-023-6-	497862.2	4975009	10/24/2014	0.34	21.1	15.2
MPCA Oct . PEL-024-0-	497712.3	4975006	10/23/2014	12	97.9	119
MPCA Oct . PEL-024-6-	497712.3	4975006	10/23/2014	9.7	65.4	81.8
MPCA Oct . PEL-025-0-	497713.9	4975037	10/23/2014	1.8	53.9	51.8
MPCA Oct . PEL-025-6-	497713.9	4975037	10/23/2014	1.3	40.2	41
MPCA Oct . PEL-026-0-	497754.1	4975039	10/24/2014	1.1	40.2	39.3
MPCA Oct . PEL-026-6-	497754.1	4975039	10/24/2014	1.2	45.5	52
MPCA Oct . PEL-027-0-	497773.5	4975053	10/24/2014	0.86	50.1	34.3
MPCA Oct . PEL-027-6-	497773.5	4975053	10/24/2014	1.2	36.8	45.3
MPCA Oct . PEL-028-0-	497647.5	4974876	10/27/2014	4.3	84.7	75.1
MPCA Oct . PEL-028-6-	497647.5	4974876	10/27/2014	3.5	93.2	59.4
MCES Jan 2 PEL0116-0-	497524.6	4974664	1/19/2016 10:44	0.83	31.7	42.7
MCES Jan 2 PEL0116-0-	497524.6	4974664	1/19/2016 10:44	2.9	47.3	57.4
MCES Jan 2 PEL0116-0-	497541.3	4974739	1/19/2016 10:58	0.26	19.4	15.5
MCES Jan 2 PEL0116-0-	497541.3	4974739	1/19/2016 10:58	1	35.6	52.4
MCES Jan 2 PEL0116-0-	497505.9	4974741	1/19/2016 11:15	0.26	15.3	10.4
MCES Jan 2 PEL0116-0-	497505.9	4974741	1/19/2016 11:15	26.3	170	134
MCES Jan 2 PEL0116-0-	497586.1	4974738	1/19/2016 12:35	0.51	26.2	38.8
MCES Jan 2 PEL0116-0-	497586.1	4974738	1/19/2016 12:35	9.8	92.4	85.3
MCES Jan 2 PEL0116-0-	497591.4	4974808	1/19/2016 12:44	10.1	88.7	89.6
MCES Jan 2 PEL0116-0-	497591.4	4974808	1/19/2016 12:44	12.4	99.9	93.5
MCES Jan 2 PEL0116-0-	497518.8	4974821	1/19/2016 12:50	0.59	18.4	11.2
MCES Jan 2 PEL0116-0-	497518.8	4974821	1/19/2016 12:50	0.56	33.2	41.3
MCES Jan 2 PEL0116-0-	497564.4	4974855	1/19/2016 13:05	0.51	27.1	44.8

MCES Jan 2 PEL0116-0	497564.4	4974855	1/19/2016 13:05	0.86	28.6	43.9
MCES Jan 2 PEL0116-0	497647.6	4974799	1/19/2016 13:15	16.86	120.7374	167.832
MCES Jan 2 PEL0116-0	497647.6	4974799	1/19/2016 13:15	6.74	38.1276	72.52
MCES Jan 2 PEL0116-0	497685.1	4974715	1/19/2016 13:32	4.5	57.5	74.2
MCES Jan 2 PEL0116-0	497685.1	4974715	1/19/2016 13:32	5.1	88.4	108
MCES Jan 2 PEL0116-1	497485.4	4974665	1/20/2016 9:55	21.36	69.9006	101.528
MCES Jan 2 PEL0116-1	497485.4	4974665	1/20/2016 9:55	0.304	5.71914	9.324
MCES Jan 2 PEL0116-1	497633.6	4974666	1/20/2016 10:05	2.7	48.7	53.2
MCES Jan 2 PEL0116-1	497633.6	4974666	1/20/2016 10:05	5.7	78.2	62.2
MCES Jan 2 PEL0116-1	497659.6	4974571	1/20/2016 10:15	4.95	33.04392	45.584
MCES Jan 2 PEL0116-1	497659.6	4974571	1/20/2016 10:15	12.37	26.68932	70.448
MCES Jan 2 PEL0116-1	497568.4	4974556	1/20/2016 10:25	3.8	52.3	59.3
MCES Jan 2 PEL0116-1	497568.4	4974556	1/20/2016 10:25	1.9	33.7	46.4
MCES Jan 2 PEL0116-1	497761.7	4974628	1/20/2016 10:45	0.37	29.3	54
MCES Jan 2 PEL0116-1	497761.7	4974628	1/20/2016 10:45	0.34	25.6	46.8
MCES Jan 2 PEL0116-1	497838.6	4974519	1/20/2016 10:53	3.6	44.5	58.2
MCES Jan 2 PEL0116-1	497838.6	4974519	1/20/2016 10:53	3.6	38	37.1
MCES Jan 2 PEL0116-1	497768.6	4974531	1/20/2016 11:02	3.1	31.6	27.5
MCES Jan 2 PEL0116-1	497768.6	4974531	1/20/2016 11:02	0.57	25.6	41
MCES Jan 2 PEL0116-1	497704.6	4974544	1/20/2016 11:10	0.53	23	34.1
MCES Jan 2 PEL0116-1	497704.6	4974544	1/20/2016 11:10	0.87	22.2	30.7
MCES Jan 2 PEL0116-1	497733.3	4974494	1/20/2016 11:20	0.17	8.6	8
MCES Jan 2 PEL0116-1	497733.3	4974494	1/20/2016 11:20	0.52	7.1	9.2
MCES Jan 2 PEL0116-1	497803.4	4974481	1/20/2016 11:28	3.148	13.34466	29.008
MCES Jan 2 PEL0116-1	497803.4	4974481	1/20/2016 11:28	0.64	27	43.8
MCES Jan 2 PEL0116-2	497631.3	4974449	1/20/2016 11:45	0.31	22.4	12.7
MCES Jan 2 PEL0116-2	497631.3	4974449	1/20/2016 11:45	2.5	32.7	29.8
MCES Jan 2 PEL0116-2	497595.1	4974406	1/20/2016 11:52	0.28	18.2	9.5
MCES Jan 2 PEL0116-2	497595.1	4974406	1/20/2016 11:52	2.6	62.5	55.3
MCES Jan 2 PEL0116-2	497660.9	4974404	1/20/2016 12:05	3.148	8.26098	22.792
MCES Jan 2 PEL0116-2	497660.9	4974404	1/20/2016 12:05	0.2698	26.05386	11.396
MCES Jan 2 PEL0116-2	497692.6	4974363	1/20/2016 12:13	0.32	22	12
MCES Jan 2 PEL0116-2	497692.6	4974363	1/20/2016 12:13	4.2	43.1	34.8
MCES Jan 2 PEL0116-2	497657.1	4974327	1/20/2016 12:20	0.31	18.2	8.9
MCES Jan 2 PEL0116-2	497657.1	4974327	1/20/2016 12:20	4.1	42.4	33.6
MCES July : PEL Mid	497809.7	4973544	7/11/2001	8.9	64.8	57.8
MCES July : PEL North	497895.7	4974617	7/11/2001	3.7	40.9	38.4
MCES July : PEL South	498038.1	4972843	7/11/2001	2.7	33.1	26.1
St Paul Dec RRD-10	497888.8	4974989	12/12/2000	3.2	43.8	37.2
St Paul Dec RRD-11	497822.8	4975014	12/12/2000	0.61	32.9	20.9
St Paul Dec RRD-2	497838	4975136	12/12/2000	3.6	39.7	74.3
St Paul Dec RRD-3	497885.8	4975110	12/12/2000	2.9	311	53.9
St Paul Dec RRD-4	497860.8	4975106	12/12/2000	8.1	86.4	117
St Paul Dec RRD-5	497834.8	4975102	12/12/2000	5	61.7	94.8
St Paul Dec RRD-6	497906.5	4975048	12/12/2000	4.6	61.1	113
St Paul Dec RRD-7	497872.8	4975050	12/12/2000	8.7	93.2	232
St Paul Dec RRD-8	497829.8	4975057	12/12/2000	1.5	52.9	67.1

St Paul Dec RRD-9	497920.8	4975002	12/12/2000	1.1	50.4	45.3
MPCA Sept Sed-1	497673	4975046	9/16/1999 5U		30	62
MPCA May Sed-12	497649	4975024	5/31/2000 NA	NA		43
MPCA May Sed-13	497643	4975017	5/31/2000 NA	NA		81
MPCA May Sed-14	497632	4975008	5/31/2000 NA	NA		77
MPCA May Sed-15	497624	4975000	5/31/2000 5U		84	76
MPCA May Sed-16	497632	4974991	5/31/2000	6.2	100	94
MPCA May Sed-18	497649	4975009	5/31/2000 NA	NA		60
MPCA May Sed-19	497657	4975015	5/31/2000 5U		34	43
MPCA Sept Sed-2	497740	4975065	9/16/1999 5U		18	26
MPCA May Sed-20	497665	4975024	5/31/2000 NA	NA		23
MPCA May Sed-21	497678	4975018	5/31/2000 NA	NA		59
MPCA May Sed-22	497666	4975009	5/31/2000 5U		34	39
MPCA May Sed-23	497657	4975000	5/31/2000 5U		40	50
MPCA May Sed-24	497649	4974990	5/31/2000 5U		42	55
MPCA May Sed-25	497642	4974985	5/31/2000	10	93	120
MPCA May Sed-26	497666	4974991	5/31/2000 5U		40	50
MPCA May Sed-26d	497666	4974991	5/31/2000 5U		36	92
MPCA May Sed-27	497676	4975001	5/31/2000 NA	NA		53
MPCA May Sed-28	497684	4975012	5/31/2000 5U		29	44
MPCA Sept Sed-3	497700	4974900	9/16/1999 5U		51	72
MPCA May Sed-30	497684	4975026	5/31/2000 5U		59	63
MPCA May Sed-31	497694	4975034	5/31/2000 NA	NA		69
MPCA May Sed-32	497682	4975041	5/31/2000 5U		26	33
MPCA May Sed-33	497704	4975062	5/31/2000 NA	NA	20U	
MPCA May Sed-34	497734	4975069	5/31/2000 NA	NA		47
MPCA May Sed-35	497684	4974970	5/31/2000 NA	NA		64
MPCA May Sed-36	497667	4974976	5/31/2000 NA	NA		51
MPCA May Sed-37	497671	4974946	5/31/2000 5U		48	58
MPCA May Sed-37d	497671	4974946	5/31/2000 5U		37	56
MPCA May Sed-39	497613	4974978	5/31/2000 5U		48	80
MPCA Sept Sed-4	497493	4974714	9/17/1999	27	150	100
MPCA Sept Sed-5	497640	4974446	9/17/1999 5U		28	24
MPCA Sept Sed-7	497590	4974945	9/17/1999 5U		44	43
MPCA June SS-10	497940	4974420	6/8/1994	2.7	17	17
MPCA June SS-11	497825	4974250	6/8/1994	2.5	20	21
MPCA June SS-13	497830	4975174	6/8/1994	0.91	11	16
MPCA June SS-16	497371.2	4974689	6/8/1994	145	1090	750
MPCA June SS-17	497367.5	4974662	6/8/1994	78.1	502	244
St Paul Aug SS-18	497452.1	4974695	8/31/2000	30.5	99.8	83.3
St Paul Aug SS-19	497472.1	4974712	8/31/2000	13	85	57.1
St Paul Aug SS-20	497453.5	4974640	8/31/2000	46.1	331	187
St Paul Aug SS-21	497499.6	4974656	8/31/2000	5.000001	48	37.4
St Paul Aug SS-22	497569.6	4974599	8/31/2000	2	29	19.4
USACE Oct 15-1M	497965	4974532	10/26/2015	2.3	31.7	48.9
USACE Oct 15-2M	497337	4973577	10/26/2015	1.6	17.2	6.6
USACE Oct 15-3M	498247	4973260	10/26/2015	1.2	19.4	7

MPCA June SS-6	497590	4974950	6/8/1994	2.2	57	37
MPCA June SS-7	497670	4974830	6/8/1994	1	24	17
MPCA June SS-8	497763.5	4974689	6/8/1994	1.8	20	19
MPCA June SS-9	497655	4974455	6/8/1994	2.6	29	18

Silver	Zinc	PCBs	PFOA	PFOS	TotalPAHs	MeanMeta	Depth
NA		90 0.0884	0.228	0.607	9.405	0.334682	surface
NA		150 0.362	NA	NA	7.8527	0.837291	subsurface
NA		45 0.137	0.629	2.09	3.492	0.15061	surface
NA		63 0.488	NA	NA	6.611	0.234111	subsurface
NA		46 0.0949	0.335	1.16	4.247	0.128077	surface
NA		46 0.149	NA	NA	3.743	0.10341	subsurface
NA		35 0.108	0.654	2.17	4.243	0.100663	surface
NA		49 0.267	NA	NA	5.922	0.182143	subsurface
NA		66 0.166	1.81	4.18	9.05	0.210998	surface
NA		84 0.323	NA	NA	8.938	0.334242	subsurface
NA		53 0.206	1.89	3.35	19.82	0.180984	surface
NA		64 0.125	NA	NA	17.03	0.161872	subsurface
NA		45 0.197	2.62	4.07	7.179	0.156123	surface
NA		70 0.29	NA	NA	5.98	0.277274	subsurface
NA		48 0.124	1.12	2.91	3.277	0.179677	surface
NA		51 0.0493	NA	NA	1.836	0.144384	subsurface
NA		43 0.187	1.77	3.82	4.1885	0.16337	surface
NA		66 0.337	NA	NA	8.371	0.233177	subsurface
NA		43 0.158	0.677	1.65	5.02	0.13978	surface
NA		48 0.128	NA	NA	4.133	0.136087	subsurface
NA		40 0.182	1.82	3.85	4.068	0.146226	surface
NA		60 0.415	NA	NA	8.22	0.194147	subsurface
NA		36 0.11	1.86	4.46	2.461	0.119052	surface
NA		32 0.052	NA	NA	10.041	0.086558	subsurface
	1.1	216 ND		120	66.9 NA	0.540212	surface
	2.7	363 ND		18.4	11.8 NA	1.015731	subsurface
	0.96	208 NA	NA	NA	NA	0.47121	surface
	1	258 NA	NA	NA	NA	0.643461	subsurface
	0.86	223 NA	NA	NA	NA	0.454978	surface
	0.9	124 NA	NA	NA	NA	0.245122	subsurface
	0.71	124 ND	NA	NA	NA	0.27402	surface
	0.74	110 NA	NA	NA	NA	0.253334	subsurface
	1.2	212 NA	NA	NA	NA	0.520589	surface
	0.88	112 NA	NA	NA	NA	0.223498	subsurface
	5.6	429 NA		169	77.4 NA	2.55405	surface
	4.5	526 NA		70.9	10.5 NA	1.82587	subsurface
	0.65	112 NA	NA	NA	NA	0.2461	surface
	0.7	107 NA	NA	NA	NA	0.240819	subsurface
	0.93	145 ND		2.61	3.02 NA	0.338445	surface
	1.3	227 NA		2.05	4.03 NA	0.666126	subsurface
	1.8	223 NA	NA	NA	NA	0.599452	surface
	7.5	498 NA	NA	NA	NA	2.053986	subsurface
	1.8	129 NA	NA	NA	NA	0.369673	surface
	0.65	108 NA	NA	NA	NA	0.247747	subsurface
	1.7	180 ND		2.71	4.14 NA	0.530916	surface
	1.7	173 ND		22.8	15.4 NA	0.657111	subsurface

0.94	203	NA	NA	NA	NA	0.438993	surface	
0.79	179	NA	NA	NA	NA	0.478065	subsurface	
0.72	123	NA	NA	NA	NA	0.279527	surface	
0.82	121	NA	NA	NA	NA	0.267979	subsurface	
1.3	219	MA	NA	NA	NA	0.519317	surface	
0.75	120	NA	NA	NA	NA	0.277999	subsurface	
0.93	225	ND		4.8	11.6	NA	0.427052	surface
0.73	112	NA		0.403	0.513	NA	0.242446	subsurface
1	300	ND		0.105	0.638	NA	0.871723	surface
0.59	136	ND	NA	NA	NA	NA	0.319849	subsurface
3.4	689	ND	NA	NA	NA	NA	2.183687	surface
1.5	279	MD	NA	NA	NA	NA	0.806977	subsurface
1.2	197	ND	NA	NA	NA	NA	0.564834	surface
0.66	114	NA	NA	NA	NA	NA	0.251905	subsurface
1.3	187	ND		1.83	3.06	NA	0.467412	surface
0.86	100	NA		0.425	0.245	NA	0.200284	subsurface
1.5	227	NA	NA	NA	NA	NA	0.634511	surface
0.8	106	NA	NA	NA	NA	NA	0.254583	subsurface
2.4	391	NA	NA	NA	NA	NA	1.080705	surface
3.8	437	NA	NA	NA	NA	NA	1.681731	subsurface
0.74	137	NA	NA	NA	NA	NA	0.308572	surface
0.67	82.7	NA	NA	NA	NA	NA	0.177882	subsurface
0.7	103	NA		0.544	3.6	NA	0.201094	surface
0.83	61.6	NA		0.178	0.564	NA	0.114876	subsurface
2.6	349	ND	NA	NA	NA	NA	1.181687	surface
1.7	259	NA	NA	NA	NA	NA	0.892069	subsurface
1.2	219	NA	NA	NA	NA	NA	0.39847	surface
0.73	133	NA	NA	NA	NA	NA	0.283129	subsurface
0.8	161	ND		4.05	7.24	NA	0.285077	surface
0.73	167	NA		4.28	6.5	NA	0.326594	subsurface
0.78	247	NA		0.82	1.75	NA	0.326701	surface
0.6	155	NA	NA	NA	NA	NA	0.292688	subsurface
1.8	269	ND	NA	NA	NA	NA	0.646785	surface
2.8	205	NA	NA	NA	NA	NA	0.555977	subsurface
<0.73	111	NA	NA	NA	NA	NA	0.236775	subsurface
<0.94	155	NA	NA	NA	NA	NA	0.418457	surface
<0.65	65.1	NA	NA	NA	NA	NA	0.110521	subsurface
<0.82	123	NA	NA	NA	NA	NA	0.27695	surface
<0.63	52.1	NA	NA	NA	NA	NA	0.086815	subsurface
5.2	340	NA	NA	NA	NA	NA	2.040808	surface
<0.73	89.1	NA	NA	NA	NA	NA	0.192206	subsurface
2.5	236	NA	NA	NA	NA	NA	0.936299	surface
2.6	213	NA	NA	NA	NA	NA	0.940902	subsurface
3	225	NA	NA	NA	NA	NA	1.08859	surface
<0.63	62.7	NA	NA	NA	NA	NA	0.115781	subsurface
<0.72	98.7	NA	NA	NA	NA	NA	0.216398	surface
<0.77	90.4	NA		0.114	0.552	NA	0.205951	subsurface

<0.72	101	NA		0.285	5.55	NA	0.229981	surface
5.18	235.4	NA	NA	NA	NA	NA	1.494918	surface
0.421	124.2	NA	NA	NA	NA	NA	0.607508	subsurface
1.3	120	NA	NA	NA	NA	NA	0.528743	subsurface
2.3	148	NA	NA	NA	NA	NA	0.69046	surface
2.265	189.6	NA		11.9	46.2	NA	1.482791	surface
0.7011	26.2	NA		6.22	1.9	NA	0.056902	subsurface
1.2	131	NA	NA	NA	NA	NA	0.38967	subsurface
2.3	166	NA	NA	NA	NA	NA	0.625166	surface
0.809	91.5	NA		2.13	16.1	NA	0.439963	surface
0.5825	143.8	NA		0.241	1.61	NA	0.876611	subsurface
1.4	145	NA	NA	NA	NA	NA	0.470009	subsurface
0.76	103	NA	NA	NA	NA	NA	0.296376	surface
<0.67	89.1	NA	NA	NA	NA	NA	0.219603	subsurface
<0.73	78.2	NA	NA	NA	NA	NA	0.192167	surface
1.2	143	NA		0.811	0.572	NA	0.443807	subsurface
1.1	121	NA		2.19	2.08	NA	0.38044	surface
0.92	97.9	NA	NA	NA	NA	NA	0.313758	subsurface
<0.79	89.6	NA	NA	NA	NA	NA	0.198708	surface
<0.78	91.3	NA	NA	NA	NA	NA	0.18003	subsurface
<0.74	81.4	NA	NA	NA	NA	NA	0.183778	surface
<0.56	34.4	NA	NA	NA	NA	NA	0.056914	subsurface
<0.52	30.8	NA	NA	NA	NA	NA	0.072265	surface
0.5016	71.9	NA	NA	NA	NA	NA	0.274502	surface
<0.75	99.8	NA	NA	NA	NA	NA	0.21547	subsurface
<0.65	69.6	NA	NA	NA	NA	NA	0.115082	subsurface
1.1	99.8	NA	NA	NA	NA	NA	0.291047	surface
<0.57	70.1	NA	NA	NA	NA	NA	0.1007	subsurface
2.4	170	NA	NA	NA	NA	NA	0.432904	surface
0.4584	57.5	NA	NA	NA	NA	NA	0.246249	surface
0.8629	26.8	NA	NA	NA	NA	NA	0.093394	subsurface
<0.71	70.6	NA	NA	NA	NA	NA	0.114113	subsurface
1.2	129	NA	NA	NA	NA	NA	0.418865	surface
<0.66	65.8	NA		0.651	0.257	NA	0.09871	subsurface
1.2	125	NA		1.49	1.85	NA	0.408217	surface
2.3	171	0.172	NA	NA		0.902	0.757089	surface
1.2	124	0.014	NA	NA		23.52	0.394404	surface
0.92	95.8	0.055	NA	NA		2.184	0.292424	surface
0.92	148	0.11U	NA	NA	1.1U		0.384973	subsurface
NA	92.1	0.074U	NA	NA	0.74U		0.17558	subsurface
0.55	143	0.098U	NA	NA	0.98U		0.466769	subsurface
0.6	165	0.08U	NA	NA	0.89U		0.856661	subsurface
1.9	290	0.084U	NA	NA	0.84U		0.931609	subsurface
0.72	235	0.086U	NA	NA		0.29	0.662858	subsurface
0.74	275	0.1U	NA	NA	0.86U		0.698598	subsurface
1.4	399	0.12U	NA	NA	1U		1.253335	subsurface
NA	208	0.071U	NA	NA	1.2U		0.405249	subsurface

NA		154	0.11U	NA	NA	0.71U	0.309811	subsurface
NA		210	21	NA	NA	NA	0.433361	surface
NA	NA	NA	NA	NA	NA	NA	NA	surface
NA	NA	NA	NA	NA	NA	NA	NA	surface
NA	NA	NA	NA	NA	NA	NA	NA	surface
NA		300	NA	NA	NA	NA	0.599197	surface
NA		430	NA	NA	NA	NA	0.891132	surface
NA	NA	NA	NA	NA	NA	NA	NA	surface
NA		210	0.708	NA	NA	NA	0.403489	surface
NA		100	NA	NA	NA	NA	0.284348	surface
NA	NA	NA	NA	NA	NA	NA	NA	surface
NA	NA	NA	NA	NA	NA	NA	NA	surface
NA		200	NA	NA	NA	NA	0.390362	surface
NA		270	NA	NA	NA	NA	0.45956	surface
NA		260	NA	NA	NA	NA	0.467074	surface
NA		380	NA	NA	NA	NA	1.092291	surface
NA		250	0.35	NA	NA	NA	0.44869	surface
NA		180	0.402	NA	NA	NA	0.484749	subsurface
NA	NA	NA	NA	NA	NA	NA	NA	surface
NA		140	NA	NA	NA	NA	0.359036	surface
NA		240	NA	NA	NA	NA	0.503896	surface
NA		310	0.318	NA	NA	NA	0.537965	surface
NA	NA	NA	NA	NA	NA	NA	NA	surface
NA		130	0.224	NA	NA	NA	0.327447	surface
NA	NA	NA	NA	NA	NA	NA	NA	surface
NA	NA	NA	NA	NA	NA	NA	NA	surface
NA	NA	NA	NA	NA	NA	NA	NA	surface
NA	NA	NA	NA	NA	NA	NA	NA	surface
NA		270	NA	NA	NA	NA	0.488278	surface
NA		190	NA	NA	NA	NA	0.42262	subsurface
NA		250	0.73	NA	NA	NA	0.519716	surface
NA		330	NA	NA	NA	NA	1.971656	surface
NA		98	NA	NA	NA	NA	0.296081	surface
NA		130	7.4	NA	NA	NA	0.376678	surface
1.2U		49	NA	NA	NA	7.9	0.222656	surface
NA		59	8.7	NA	NA	3.9	0.230783	surface
1U		47	NA	NA	NA	4.6	0.124146	surface
	37.8	1350	NA	NA	NA	NA	11.24267	surface
	16.8	596	NA	NA	NA	NA	5.53481	surface
	3.7	232	NA	NA	NA	NA	1.977613	surface
	2.2	159	NA	NA	NA	NA	0.987887	surface
	12.1	414	NA	NA	NA	NA	3.441282	surface
	0.83	119	NA	NA	NA	NA	0.466597	surface
NA		85	NA	NA	NA	NA	0.231837	surface
NA		116	nad	NA	NA	10.8	0.324915	subsurface
NA		60.4	nad	NA	NA	25.12	0.154185	subsurface
NA		62.8	nad	NA	NA	9.94	0.139925	subsurface

NA	130 NA	NA	NA	7.8	0.346806 surface
1.2U	82 NA	NA	NA	2.3	0.167258 surface
1U	60 NA	NA	NA	3.3	0.19248 surface
1.2U	53 NA	NA	NA	3.7	0.241753 surface