Sample Date	Site	Mg	Si	P	S	Cl	Al	K	Ca	Ti	V	Cr	CrVI	Mn	Co	Ni	Cu	Zn	Fe	As	Mo	Sr	Se	Br	Cd	Sn	Sb	Ba	Pb	Zr
		ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3
	MDL	50	27	8.4	47	8.6	30	5.2	16	12	9.4	5.4	0.004	7.2	5.2	4.3	5.2	4.2	14	6.7	10	8.4	12	8	20	24	28	57	13	21
10/31/2013	Site 3	510	3250	160	610	690	1300	640	1700	200	ND	14	0.68	130	7.6	9.7	60	180	3050	ND	ND	22	ND	9.7	ND	ND	ND	140	ND	31
11/6/2013	Site 3	520	3900	170	460	510	1600	600	1700	210	ND	12	0.25	79	ND	5.5	68	120	2900	ND	ND	20	ND	8.3	ND	ND	ND	170	ND	40
11/12/2013	Site 3	780	5750	280	1100	920	2300	940	2850	360	ND	21	1.01	120	9.3	11	130	270	4550	ND	ND	37	ND	18	ND	ND	39	250	28	54
11/18/2013	Site 3	500	2050	140	920	2200	880	430	960	120	ND	13	0.18	32	ND	6.9	43	63	1550	ND	17	16	ND	13	ND	ND	ND	91	ND	ND
11/24/2013	Site 3	170	1350	79	230	120	540	290	590	77	ND	ND	0.04	22	ND	ND	35	54	1000	ND	ND	10	ND	ND	ND	ND	ND	71	ND	ND
11/30/2013	Site 3	220	1550	110	420	460	600	350	660	90	ND	ND	0.11	17	ND	ND	46	61	1200	ND	ND	12	ND	10	ND	ND	ND	78	ND	19
Nov'13. Avg.		438	2920	156	626	842	1184	522	1352	171	ND	9.3	0.32	54	1.9	4.6	64	113	2240	ND	3.4	19	ND	10	ND	ND	ND	132	ND	23
12/6/2013	Site 3	430	3150	150	500	270	1250	530	1450	190	ND	12	0.08	45	6.9	6.9	84	120	2400	ND	ND	20	ND	12	ND	ND	ND	160	ND	26
12/12/2013	Site 3	430	2200	120	530	1950	870	440	940	110	ND	ND	0.09	20	ND	ND	51	76	1500	ND	ND	16	ND	16	ND	ND	ND	110	ND	19
12/18/13	Site 3	500	2650	150	870	1250	1150	460	1350	210	ND	11	0.13	29	ND	4.8	52	110	1750	ND	ND	19	ND	12	ND	ND	ND	113	ND	23
12/24/13	Site 3	130	930	50	130	179.998	390	260	430	50	ND	ND	0.08	16	ND	ND	21	32	660	ND	ND	10	ND	ND	ND	ND	ND	78	ND	ND
12/30/13	Site 3	570	4150	190	520	750	1700	720	1900	220	ND	5.5	0.04	47	6.2	4.5	80	110	2700	ND	ND	27	ND	8.3	ND	ND	ND	181	ND	26
Dec'13. Avg.		412	2616	132	510	880	1072	482	1214	156	ND	5.7	0.08	31	2.6	3.2	57	89	1802	ND	ND	19	ND	10	ND	ND	ND	128	ND	19
1/5/2014	Site 3	570	4700	170	430	840	1800	980	1900	210	ND	ND	0.10	39	ND	4.5	78	95	2600	ND	ND	64	ND	25	ND	ND	46	160	17	30
1/11/2014	Site 3	590	4200	280	500	600	1700	1100	3050	230	ND	21	0.26	66	ND	5.2	90	130	2800	ND	ND	28	ND	9.0	ND	ND	ND	180	15	54
1/17/2014	Site 3	700	6300	290	490	580	2450	1000	3150	340	ND	22	0.16	97	10	10	110	150	4350	ND	ND	38	ND	7.3	ND	ND	ND	230	ND	53
1/23/2014	Site 3	410	2500	160	700	650	980	470	1150	140	ND	ND	0.06	26	ND	4.5	34	58	1400	ND	ND	13	ND	19	ND	ND	ND	81	ND	25
1/29/2014	Site 3	400	2750	160	1000	1300	1100	510	1300	180	ND	17	0.30	29	ND	13	60	71	1750	ND	11	19	ND	16	ND	ND	ND	96	ND	19
Jan'14. Avg.		534	4090	212	624	794	1606	812	2110	220	ND	12	0.18	51	2.1	7.6	74	101	2580	ND	2.2	32	ND	15	ND	ND	9.1	149	ND	36
2/4/2014	Site 3	270	1050	64	270	1250	410	230	520	73	ND	ND	0.07	13	ND	ND	25	38	820	ND	ND	10	ND	ND	ND	ND	ND	ND	ND	ND
2/10/2014	Site 3	350	1350	110	730	1500	520	320	630	72	ND	ND	0.12	ND	ND	ND	31	54	910	ND	ND	11	ND	13	ND	ND	ND	87	ND	13
2/16/2014	Site 3	350	1400	89	370	1700	570	290	660	120	ND	ND	0.14	19	ND	5.5	33	54	990	ND	ND	14	ND	8.6	ND	ND	ND	ND	ND	18
2/22/2014	Site 3	400	3200	140	620	160	1250	570	1250	150	ND	ND	0.08	36	ND	4.5	38	76	1670	ND	ND	18	ND	11	ND	ND	ND	ND	ND	14
2/28/2014	Site 3	360	320	64	280	4500	230	140	230	26	ND	ND	0.08	ND	ND	5.2	ND	21	250	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND
Feb'14. Avg.		346	1464	94	454	1822	596	310	658	88	ND	ND	0.10	14	ND	3.0	26	48	928	ND	ND	11	ND	8.6	ND	ND	ND	17	ND	9.1
3/6/2014	Site 3	520	1400	110	660	3150	580	320	640	74	ND	ND	0.05	ND	ND	4.5	17	38	710	ND	ND	12	ND	41	ND	ND	ND	ND	ND	ND
3/12/2014	Site 3	560	2100	130	650	3400	850	410	1050	100	ND	ND	0.08	39	ND	4.5	18	54	1200	ND	ND	15	ND	7.9	ND	ND	ND	ND	ND	13
3/18/2014	Site 3	1000	2800	190	880	9800	1200	620	1450	130	ND	ND	0.09	19	ND	4.8	23	53	1350	ND	ND	24	ND	22	ND	ND	ND	75	ND	13
3/24/2014	Site 3	600	1900	160	1350	2350	780	400	860	92	ND	ND	0.03	10	ND	ND	18	43	880	ND	ND	15	ND	13	ND	ND	ND	ND	ND	13
3/30/2014	Site 3	530	1050	110	440	5950	510	270	500	60	ND	ND	0.06	11	ND	ND	6.9	22	470	ND	ND	ND	ND	19	ND	ND	ND	ND	ND	ND
Mar'14. Avg.		642	1850	140	796	4930	784	404	900	91	ND	ND	0.06	16	ND	2.8	16	42	922	ND	ND	13	ND	21	ND	ND	ND	15	ND	8
04/05/14	Site 3	510	1050	120	650	4850	500	280	560	60	ND	ND	0.02	9.3	ND	ND	7.6	35	560	ND	ND	7.9	ND	8.6	ND	ND	ND	ND	ND	ND
04/11/14	Site 3	430	2250	170	1350	620	940	400	1050	120	ND	8.6	0.03	29	ND	7.3	21	69	1300	ND	10	17	ND	ND	ND	ND	ND	ND	ND	19
04/17/14	Site 3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
04/23/14	Site 3	720	2650	180	910	6350	1100	510	1050	120	ND	ND	0.04	27	ND	ND	11	51	1200	ND	ND	17	ND	14	ND	ND	ND	ND	ND	ND
04/29/14	Site 3	810	5300	280	810	3300	2200	860	2350	270	ND	63	0.60	85	6.6	10	53	100	3250	ND	ND	26	ND	ND	ND	ND	ND	100	ND	24
Apr'14. Avg.		618	2813	188	930	3780	1185	513	1253	142	ND	18	0.18	37	1.6	4.3	23	64	1578	ND	2.6	17	ND	5.6	ND	ND	ND	25	ND	11
															<MDL															
05/05/14	Site 3	640	1650	150	890	5800	770	370	740	76	ND	ND	0.07	18	ND	ND	ND	22	710	ND	ND	10	ND	ND	ND	ND	ND	ND	ND	ND
05/11/14	Site 3	910	3100	200	770	8850	1350	600	1300	120	ND	ND	0.03	28	ND	ND	ND	30	1200	ND	ND	21	ND	19	ND	ND	ND	ND	ND	ND
05/17/14	Site 3	750	2200	200	1800	3050	980	540	930	98	ND	ND	0.04	15	ND	ND	ND	27	880	ND	ND	16	ND	13	ND	ND	ND	ND	ND	ND
05/23/14	Site 3	400	1850	130	1000	850	750	330	760	90	ND	ND	0.03	16	ND	ND	ND	38	930	ND	ND	10	ND	ND	ND	ND	ND	ND	ND	ND
05/29/14	Site 3	370	1800	56	850	1000	780	340	750	84	ND	9.0	0.01	20	ND	ND	ND	30	900	ND	ND	12	ND	ND	ND	ND	ND	67	ND	19
May'14. Avg.		614	2120	147	1062	3910	926	436	896	94	ND	1.8	0.04	19	ND	ND	ND	29	924	ND	ND	14	ND	6.4	ND	ND	ND	13	ND	3.8
06/04/14	Site 3	440	1900	51	720	2900	800	390	910	130	ND	10	0.05	18	ND	7.9	12	54	1100	ND	ND	13	ND	9.0	ND	ND	34	67	ND	ND
06/10/14	Site 3	200	800	48	620	100	350	180	350	38	ND	ND	0.03	ND	ND	ND	ND	8	350	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	29
06/16/14	Site 3	410	1500	53	890	4100	620	340	670	75	ND	ND	0.07	15	ND	ND	ND	27	710	ND	ND	11	ND	ND	ND	ND	ND	ND	ND	ND
06/22/14	Site 3	370	1400	66	1000	2300	590	340	560	57	ND	ND	0.01	8	ND	ND	ND	19	630	ND	ND	ND	ND	ND	ND	ND	31	ND	ND	ND
06/28/14	Site 3	390	1800	51	840	2300	740	410	690	89	ND	ND	0.01	18	ND	ND	ND	23	840	ND	ND	13	ND	9.3	ND	ND	ND	ND	ND	ND
Jun'14. Avg.		362.099	1480	54	814	2340	620	332	636	78	ND	1.9	0.03	12	ND	1.6	2.5	26	726	ND	ND	7.5	ND	3.7	ND	ND	ND	13	ND	5.7
07/04/14	Site 3	730	1100	84	1700	2100	850	4300	470	83	ND	6.6	0.42	16	ND	ND	170	54	600	ND	ND	120	ND	10	ND	ND	ND	490	ND	ND
07/10/14	Site 3	250	1500	51	700	750	650	290	680	94	ND	6.6	0.06	13	ND	5.2	7.9	30	860	ND	ND	ND	ND	8.6	ND	ND	ND	ND	ND	18
07/16/14	Site 3	210	1200	48	620	320	550	240	520	72	ND	9.0	0.10	17	ND	7.3	ND	28	730	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15
07/22/14	Site 3	300	1500	28	420	2900	650	300	640	110	ND	11	0.18	12	ND	5.9	8.6	31	840	ND	14	10	ND	11	ND	ND	ND	ND	ND	16
07/28/14	Site 3	370	1800	65	750	1100	750	350	930	110	ND	10	0.13	30	ND	5.5	14	48	1200	ND	ND	13	ND	8.3	ND	ND	ND	ND	ND	ND
Jul'14. Avg.		372	1420	55	838	1434	690	1096	648	94	ND	8.7	0.18	18	ND	4.8	40	38	846	ND	2.8	29	ND	7.6	ND	ND	ND	98	ND	10
08/03/14	Site 3	260	1250	63	860	620	500	310	670	67	ND	ND	0.03	13	ND	ND	19	30	770	ND	ND	12	ND	19	ND	ND	ND	ND	ND	ND
08/09/14	Site 3	280	1700	80	870	45	720	330	670	94	ND	5.9	0.02	20	ND	4.5	15	46	910	ND	ND	17	ND	11	ND	ND	ND	ND	ND	ND
08/15/14	Site 3	340	2250	66	780	1000	980	400	1200	170	ND	10	0.10	22	ND	5.9	28	61	1400	ND	ND	15	ND	16	ND	ND	ND	81	ND	28
08/21/14	Site 3	310	1500	42	600	730	660	280	740	88	ND	ND	0.08	22	ND	4.1	13	46	940	ND	ND	13	ND	11	ND	ND	ND	ND	ND	33
08/27/14	Site 3	420	2500	55	680	1550	1100	500	1150	190	ND	17	0.15	49	ND	10	30	69	1850	ND	ND	15	ND	16	ND	ND	ND	94	ND	ND
Aug'14. Avg.		322	1840	61	758	789	792	364	886	122	ND	6.6	0.08	25	ND	4.9	21	50	1174	ND	ND	14	ND	15	ND	ND	ND	35	ND	12

Sample Date	Site	Mg	Si	P	S	Cl	Al	K	Ca	Ti	V	Cr	CrVI	Mn	Co	Ni	Cu	Zn	Fe	As	Mo	Sr	Se	Br	Cd	Sn	Sb	Ba	Pb	Zr
		ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3
	MDL	50	27	8.4	47	8.6	30	5.2	16	12	9.4	5.4	0.004	7.2	5.2	4.3	5.2	4.2	14	6.7	10	8.4	12	8	20	24	28	57	13	21
09/02/14	Site 3	500	1750	55	840	4300	750	390	840	110	ND	ND	0.10	21	ND	ND	7.9	39	950	ND	ND	14	ND	13	ND	ND	ND	ND	ND	ND
09/08/14	Site 3	320	1250	41	560	2550	520	310	690	69	ND	ND	0.07	15	ND	4.5	10	41	770	ND	ND	10	ND	16	ND	ND	ND	ND	ND	25
09/14/14	Site 3	600	2950	64	820	3150	1250	620	1350	160	ND	7.9	0.02	26	6.6	6.6	28	64	1650	ND	ND	19	ND	22	ND	ND	ND	62	ND	38
09/20/14	Site 3	270	1150	35	540	1500	490	260	590	78	ND	5.9	0.07	10	ND	5.5	11	37	710	ND	ND	11	ND	10	ND	ND	ND	ND	ND	42
09/26/14	Site 3	570	2750	42	550	4750	1150	500	1150	160	ND	13	0.09	24	ND	7.3	16	50	1500	ND	10	16	ND	13	ND	ND	ND	73	ND	25
Sep'14. Avg.		452	1970	47	662	3250	832	416	924	115	ND	5.4	0.07	19	1.3	4.8	15	46	1116	ND	2.0	14	ND	15	ND	ND	ND	27	ND	26
10/02/14	Site 3	610	4300	46	440	940	1800	690	1950	250	ND	15	0.20	55	ND	10	46	90	2660	ND	ND	21	ND	11	ND	ND	ND	140	ND	39
10/08/14	Site 3	400	2830	117	830	780	1190	490	1450	180	ND	14	0.20	33	8.0	8.0	34	91	1770	ND	ND	17	ND	15	ND	ND	ND	75	ND	36
10/14/14	Site 3	370	2070	76	1030	840	890	370	930	130	ND	ND	0.15	19	ND	4.0	12	40	1100	ND	ND	11	ND	10	ND	ND	28	ND	ND	22
10/20/14	Site 3	390	2690	64	840	1500	1120	450	960	160	ND	7.0	0.09	18	6.0	7.0	15	56	1360	ND	ND	14	ND	11	ND	ND	ND	ND	ND	19
10/26/14	Site 3	380	1410	31	500	3810	610	340	620	74	ND	ND	0.18	19	ND	ND	17	28	1400	ND	ND	10	ND	16	ND	ND	ND	ND	ND	18
Oct'14. Avg.		430	2660	67	728	1574	1122	468	1182	159	ND	7.2	0.16	29	2.8	5.8	25	61	1658	ND	ND	15	ND	13	ND	ND	5.6	43	ND	27
11/01/14	Site 3	190	901	15	200	2010	390	230	450	70	ND	ND	0.31	9.0	ND	ND	14	33	650	ND	ND	ND	ND	8.0	ND	ND	ND	ND	ND	ND
11/07/14	Site 3	530	4730	52	330	540	2000	740	2110	240	ND	51	0.15	77	15	ND	86	140	3650	ND	ND	31	ND	5.4	ND	ND	69	230	ND	93
11/13/14	Site 3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.26	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
11/19/14	Site 3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.26	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
11/25/14	Site 3	360	2687	30	221	500	1102	427	1137.5	177	ND	12	0.18	45	5.9	5.9	55	76	1961	ND	ND	12	ND	ND	ND	ND	ND	117	ND	30
Nov'14 Avg.		360	2773	32	250	1017	1164	466	1233	162	ND	21	0.39	44	7.0	2.0	52	83	2087	ND	ND	14	ND	4.5	ND	ND	23	116	ND	41
12/01/14	Site 3	301	2325	60	359	449	905	414	1115	173	ND	40	0.26	58	8.3	6.9	79	137	2389	ND	ND	15	ND	9.0	ND	ND	40	137	ND	30
12/07/14	Site 3	227	1705	46	311	547	700	355	655	106	ND	10	0.06	25	ND	5.6	48	78	1375	ND	ND	11	ND	11	ND	ND	ND	95	ND	ND
12/13/14	Site 3	167	1237	30	196	1279	497	308	526	89	ND	8.8	0.08	18	4.9	3.9	44	57	1079	ND	ND	6.7	ND	11	ND	4.2	31	103	6.3	20
12/19/14	Site 3	348	2343	33	315	928	921	425	1067	170	ND	15	0.21	28	5.6	6.3	63	116	1986	ND	ND	14	ND	15	ND	ND	36	116	ND	84
12/25/14	Site 3	146	1108	9.0	112	393	478	300	390	52	ND	ND	0.04	7.6	ND	ND	12	29	622	ND	ND	ND	ND	ND	ND	ND	34	ND	ND	ND
12/31/14	Site 3	317	865	2110	20	298	740	625	1178	93	ND	ND	0.06	19	ND	ND	26	49	1000	ND	ND	13	ND	ND	ND	ND	ND	ND	ND	ND
Dec'14. Avg.		251	1597	381	219	649	707	404	822	114	ND	12	0.12	26	3.1	3.8	45	78	1409	ND	ND	10	ND	7.7	ND	0.7	23	75	1.0	22
01/06/15	Site 3	416	3470	41	205	266	1470	536	1390	191	ND	8.0	0.11	43	8.0	5.0	65	104	2320	ND	ND	15	ND	10	ND	ND	36	150	14	76
01/12/15	Site 3	139	1360	45	455	233	526	278	545	101	ND	7.0	0.06	19	ND	5.0	37	80	1130	ND	ND	9.0	ND	9.0	ND	ND	32	68	ND	44
01/18/15	Site 3	297	2310	42	303	397	956	524	957	144	ND	6.0	0.02	25	ND	ND	73	91	1770	ND	ND	12	ND	20	ND	ND	32	130	15	43
01/24/15	Site 3	307	2590	39	163	308	1130	438	1180	175	ND	25	0.15	34	6.0	12	44	65	1840	ND	ND	13	ND	ND	ND	ND	34	98	ND	31
01/30/15	Site 3	216	1510	29	273	497	654	278	770	258	16	24	0.30	21	ND	10	42	67	1200	ND	19	12	ND	10	ND	ND	ND	76	ND	ND
Jan'15. Avg.		275	2248	39	280	340	947	411	968	173.8	3.2	14.0	0.13	28	2.8	6.4	52	81	1652	ND	3.8	12	ND	10	ND	ND	27	104	5.8	39
02/05/15	Site 3	307	2420	66	663	796	1010	400	1050	242	ND	17	0.05	35	9.0	10	56	128	1900	ND	18	17	ND	17	ND	ND	28	95	ND	36
02/11/15	Site 3	420	3250	41	197	376	1370	521	1490	177	ND	11	0.10	48	ND	8.0	58	95	2180	ND	ND	16	ND	ND	ND	ND	ND	143	ND	59
02/17/15	Site 3	273	1890	52	629	492	776	350	837	110	ND	11	0.03	18	ND	ND	17	55	1180	ND	ND	11	ND	15	ND	ND	ND	67	ND	32
02/23/15	Site 3	71	695	15	157	304	303	133	350	48	ND	8.0	0.10	ND	ND	ND	15	24	537	ND	ND	ND	ND	ND	ND	ND	38	ND	ND	ND
Feb'15. Avg.		268	2064	44	412	492	865	351	932	144	ND	12	0.07	25	2.3	4.5	37	76	1449	ND	4.5	11	ND	8.0	ND	ND	17	76	ND	32
03/01/15	Site 3	50	365	8.0	104	722	132	84	180	21	ND	ND	0.01	ND	ND	ND	ND	11	250	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/07/15	Site 3	535	3230	40	270	276	1440	575	1480	169	ND	10	0.06	33	ND	7.0	45	79	1840	ND	ND	16	ND	ND	ND	ND	ND	111	ND	ND
03/13/15	Site 3	419	2900	55	280	438	1220	475	1450	209	ND	21	0.14	39	ND	9.0	79	107	2300	ND	ND	19	ND	13	ND	ND	36	157	ND	ND
03/19/15	Site 3	379	1440	49	659	3190	600	354	744	103	ND	8.0	0.06	14	ND	ND	15	48	915	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND
03/25/15	Site 3	474	2770	47	403	1030	1150	494	1420	183	ND	16	0.10	38	ND	5.0	32	65	1840	ND	ND	17	ND	11	ND	ND	ND	105	ND	ND
03/31/15	Site 3	337	1340	50	731	1510	558	318	716	90	ND	ND	0.03	11	ND	ND	9.0	32	793	ND	ND	12	ND	12	ND	ND	ND	ND	ND	ND
Mar'15. Avg.		366	2008	42	408	1194	850	383	998	129	ND	9.2	0.07	23	ND	3.5	30	57	1323	ND	ND	11	ND	7.7	ND	ND	6.0	62	ND	ND
04/06/15	Site 3	318	1090	25	367	4240	501	266	543	68	ND	11	0.34	15	ND	7.0	7.0	30	658	ND	13	10	ND	14	ND	ND	28	ND	ND	ND
04/12/15	Site 3	284	1150	31	387	864	460	279	524	57	ND	ND	0.08	9.0	ND	ND	8.0	28	629	ND	ND	ND	ND	8.7	ND	ND	ND	ND	ND	ND
04/18/15	Site 3	775	4030	47	593	2520	1740	760	1660	190	ND	5.0	INV	34	ND	ND	21	59	1820	ND	ND	33	ND	16	ND	ND	ND	60	ND	ND
04/24/15	Site 3	273	1130	37	503	2300	458	243	547	68	ND	ND	0.09	15	ND	ND	6.0	29	643	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/30/15	Site 3	628	2330	56	785	6790	990	567	1550	189	ND	16	0.21	29	ND	12	27	75	1580	ND	15	21	ND	15	ND	ND	33	76	ND	ND
Apr'15. Avg.		456	1946	39	527	3343	830	423	965	114	ND	6.4	0.18	20	ND	3.8	14	44	1066	ND	5.6	13	ND	11	ND	ND	12	27	ND	ND
05/06/15	Site 3	320	881	35	542	4630	403	245	480	65	ND	6.0	0.22	8.0	ND	ND	ND	21	485	ND	ND	ND	ND	11	ND	ND	33	ND	ND	ND
05/15/15	Site 3	539	829	49	758	8620	387	306	531	47	ND	ND	0.06	10	ND	ND	ND	19	444	ND	ND	10	ND	13	ND	ND	ND	ND	ND	ND
05/18/15	Site 3	233	821	33	492	2640	349	188	401	58	ND	ND	0.12	ND	ND	ND	ND	21	421	ND	ND	ND	ND	ND	ND	ND	37	ND	ND	ND
05/24/15	Site 3	289	910	42	644	3080	339	234	421	48	ND	ND	0.02	ND	ND	ND	ND	22	450	ND	ND	11	ND	11	ND	ND	ND	ND	ND	ND
05/30/15	Site 3	242	1330	125	1320	96	564	263	653	80	ND	ND	0.04	11	ND	ND	12	43	816	ND	ND	11	ND	ND	ND	ND	ND	ND	ND	ND
May'15. Avg.		325	954	57	751	3813	408	247	497	60	ND	1.2	0.09	5.8	ND	ND	2.4	25	523	ND	ND	6.4	ND	7.0	ND	ND	14	ND	ND	ND
06/05/15	Site 3	301	1140	33	476	2880	483	253	548	75	ND	7.0	0.09	9.0	ND	5.0	6.0	30	681	ND	ND	ND	ND	8.0	ND	ND	ND	ND	ND	ND
06/11/15	Site 3	169	1010	50	570	77	396	185	497	73	ND	ND	0.10	14	ND	ND	7.0	35	612	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/17/15	Site 3	348	1900	113	1150	146	791	325	952	129	ND	6.0	0.05	17	ND	5.0	18	46	1160	ND	ND	13	ND	14	ND	ND	38	ND	ND	ND
06/23/15	Site 3	407	1540	50	687	4040	619	360	842	97	ND	ND	0.07	14	ND	ND	10	38	831	ND	ND	13	ND	9.0	ND	ND	ND	67	ND	ND
06/29/15	Site 3	499	1860	52	628	3140	809	468	970	123	ND	ND	0.08	15	ND	6.0	17	46	1100	ND	ND	17	ND	15	ND	ND	ND	ND	ND	ND
Jun'15. Avg.		345	1490	60	702	2057	620	318	762	99	ND	2.6	0.08	14	ND	3.2	12	39	877	ND	ND	8.6	ND	9.2	ND	ND	7.6	13	ND	ND
07/05/15	Site 3	386	865	82	1130	541	517	2180	376	74	ND	ND	0.29	10	ND	ND	80	29	525	ND	ND	59	ND	ND	ND	ND	ND	209	ND	ND

07/11/15	Site 3	237	1210	26	319	935	513	260	564	81	ND	ND		0.08		19	ND	ND	8.0	33	751	ND	ND	14	ND	ND	ND	ND	ND	61	ND	ND
07/17/15	Site 3	282	1590	57	685	391	641	313	835	108	ND	8.0		0.11		15	ND	7.0	18	59	1040	ND	ND	13	ND	ND	ND	ND	ND	ND	ND	ND
07/23/15	Site 3	159	983	38	422	583	395	175	528	87	ND	ND		0.22		10	ND	ND	10	37	638	ND	ND	9.0	ND	ND	ND	ND	28	60	ND	ND
07/29/15	Site 3	395	1420	96	1200	760	599	353	809	109	ND	8.0		0.06		17	ND	7.0	15	42	916	ND	ND	11	ND	ND	ND	ND	ND	ND	ND	ND
Jul'15. Avg.		292	1214	60	751	642	533	656	622	92	ND	3.2		0.15		14	ND	2.8	26	40	774	ND	ND	21	ND	ND	ND	ND	5.6	66	ND	ND
08/04/15	Site 3	468	2210	46	600	4780	930	452	974	135	ND	12		0.20		19	ND	7.0	13	46	1170	3.0	9.0	14	ND	ND	ND	ND	ND	81	ND	ND
08/10/15	Site 3	198	1080	118	640	696	426	381	572	78	ND	11		0.21		21	ND	5.0	ND	35	717	1.0	11	11	ND	ND	ND	ND	ND	42	ND	ND
08/16/15	Site 3	266	1110	928	2240	3170	375	1590	620	64	ND	11		0.06		11	ND	ND	47	83	736	ND	3.0	12	ND	ND	ND	ND	ND	22	ND	ND
08/22/15	Site 3	349	1300	55	771	1540	501	352	687	79	ND	2.0		0.08		12	ND	ND	ND	34	741	0.4	ND	10	ND	ND	ND	ND	ND	40	ND	ND
08/28/15	Site 3	485	2910	58	608	772	1230	531	1270	200	ND	9.0		0.08		33	ND	5.0	25	60	1700	3.0	3.0	19	ND	ND	ND	ND	30	91	ND	ND
Aug'15. Avg.		353	1722	241	972	2192	692	661	825	111	ND	9.0		0.13		19	ND	3.4	17	52	1013	ND	ND	13	ND	ND	ND	ND	6.0	55	ND	ND
09/03/15	Site 3	301	1160	41	543	1970	459	262	636	66	ND	ND		0.06		11	ND	5.0	ND	27	644	ND	ND	11	ND	ND	ND	ND	ND	ND	ND	ND
09/09/15	Site 3	948	5570	68	617	1460	2430	917	2830	321	ND	14		0.17		50	ND	7.0	48	102	2930	ND	ND	30	ND	ND	ND	ND	ND	140	ND	ND
09/15/15	Site 3	157	574	22	307	1950	251	140	299	48	ND	10		0.41		11	ND	5.0	8.0	25	451	ND	16	ND	ND	ND	ND	ND	31	ND	ND	ND
09/21/15	Site 3	469	1770	43	630	4090	733	424	839	111	ND	ND		0.02		13	ND	ND	22	49	1090	ND	ND	17	ND	ND	ND	ND	31	68	ND	ND
09/27/15	Site 3	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV		0.13		INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
Sep'15. Avg.		469	2269	44	524	2368	968	436	1151	137	ND	6.0		0.20		21	ND	4.3	20	51	1279	ND	4.0	15	ND	ND	ND	ND	16	52	ND	ND
10/03/15	Site 3	368	1540	42	510	3730	633	385	724	84	ND	ND		0.02		11	ND	ND	15	33	877	ND	ND	19	ND	ND	ND	ND	29	61	ND	ND
10/09/15	Site 3	533	3230	62	517	1040	1340	610	1510	232	ND	15		0.04		42	ND	8.0	63	107	2420	ND	ND	16	ND	ND	ND	ND	40	107	ND	ND
10/15/15	Site 3	265	1270	43	556	1590	529	246	661	90	ND	11		0.26		14	ND	5.0	10	39	825	ND	14	10	ND	ND	ND	ND	ND	66	ND	ND
10/21/15	Site 3	356	2100	37	364	1400	875	406	959	141	ND	8.0		0.15		25	ND	4.0	33	57	1480	ND	ND	14	ND	ND	ND	ND	35	97	ND	ND
10/27/15	Site 3	561	3540	65	522	503	1470	631	1600	230	ND	11		0.13		41	6.0	9.0	60	123	2500	ND	ND	17	ND	ND	ND	ND	35	135	ND	ND
Oct'15. Avg.		417	2336	50	494	1653	969	456	1091	155	ND	9.0		0.12		27	ND	5.2	36	72	1620	ND	ND	15	ND	ND	ND	ND	28	93	ND	ND
11/02/15	Site 3	364	INV	34	302	1730	914	421	983	151	ND	14		0.41		23	ND	6.0	13	52	1370	ND	14	16	ND	12	ND	ND	ND	ND	ND	41
11/08/15	Site 3	278	INV	32	225	404	769	413	923	117	ND	ND		0.03		18	ND	5.0	42	63	1400	ND	ND	15	ND	12	ND	ND	35	81	ND	45
11/14/15	Site 3	436	INV	46	302	427	1240	625	1540	219	ND	10		0.05		39	ND	7.0	80	107	2450	ND	ND	20	ND	14	ND	ND	40	155	ND	62
11/20/15	Site 3	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV		INV		INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
11/26/15	Site 3	196	INV	21	264	2360	352	401	505	60	ND	ND		0.02		11	ND	ND	22	47	684	ND	ND	10	ND	12	ND	ND	29	65	ND	53
Nov'15. Avg.		319	INV	33	273	1230	819	465	988	137	ND	6.0		0.13		23	ND	4.5	39	67	1476	ND	3.5	15	ND	13	ND	ND	26	75	ND	50
12/02/15	Site 3	396	3590	59	406	557	1380	535	1580	203	ND	13		0.11		55	6.0	ND	75	105	2430	ND	ND	20	ND	ND	ND	ND	ND	136	13	32
12/08/15	Site 3	689	5770	102	696	1080	2230	920	2840	408	ND	25		0.16		81	7.0	12	137	178	4110	ND	9	37	ND	13	ND	ND	32	254	23	57
12/14/15	Site 3	152	1110	14	181	562	424	193	517	73	ND	ND		0.04		17	ND	ND	16	31	774	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/20/15	Site 3	205	1070	34	315	831	360	291	467	71	ND	ND		0.06		15	ND	ND	41	60	887	ND	ND	9	ND	ND	ND	ND	ND	67	ND	ND
12/26/15	Site 3	154	1040	24	157	282	415	307	406	58	ND	ND		0.03		10	ND	ND	31	21	650	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dec'15. Avg.		319	2516	47	351	662	962	449	1162	163	ND	7.6		0.08		36	2.6	2.4	60	79	1770	ND	1.8	13	ND	2.6	ND	ND	6.4	91	7.2	17.8

Sample Date	Site	Mg	Si	P	S	Cl	Al	K	Ca	Ti	V	Cr	CrVI	Mn	Co	Ni	Cu	Zn	Fe	As	Mo	Sr	Se	Br	Cd	Sn	Sb	Ba	Pb	Zr
		ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3	ng/m^3
	MDL	50	27	8.4	47	8.6	30	5.2	16	12	9.4	5.4	0.004	7.2	5.2	4.3	5.2	4.2	14	6.7	10	8.4	12	8	20	24	28	57	13	21
01/01/2016	Site 3	219	1490	27	272	342	591	871	645	85	ND	ND	0.06	14	ND	ND	44	63	896	ND	ND	17	ND	ND	ND	ND	ND	87	ND	ND
01/07/2016	Site 3	179	716	22	230	1730	278	171	334	76	ND	14	0.30	8	ND	6.0	24	29	589	ND	11	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/13/2016	Site 3	335	2740	44	374	1010	975	405	1200	200	ND	15	0.21	37	6.0	7.0	80	109	2030	ND	ND	15	ND	15	ND	ND	ND	113	ND	34
01/19/2016	Site 3	169	1370	29	351	233	497	212	630	95	ND	10	0.10	27	ND	ND	32	59	1040	ND	ND	9.0	ND	ND	ND	ND	ND	ND	ND	ND
01/25/2016	Site 3	310	2390	47	384	1010	866	428	1040	153	ND	36	0.30	74	ND	31	58	113	2110	ND	12	17	ND	ND	ND	ND	ND	97	ND	27
01/31/2016	Site 3	321	743	24	325	4400	302	198	348	49	ND	ND	0.07	11	ND	ND	7	19	412	ND	ND	ND	ND	9.0	ND	ND	ND	ND	ND	ND
Jan'16 Avg.		256	1575	32	323	1454	585	381	700	110	ND	13	0.17	29	1.0	7.3	41	65	1180	ND	3.8	10	ND	4.0	ND	ND	ND	50	ND	10
02/06/2016	Site 3	277	2490	48	357	384	934	407	1100	143	ND	7.0	0.04	33	ND	ND	62	85	1680	ND	ND	13	ND	ND	3.0	15	17	104	ND	32
02/12/2016	Site 3	538	4890	102	732	341	1890	759	2300	318	ND	19	0.07	74	8.0	11	116	170	3560	ND	11	27	ND	15	ND	16	31	222	18	50
02/18/2016	Site 3	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	0.25	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
02/24/2016	Site 3	377	3010	45	363	1060	1150	492	1350	157	ND	8.0	0.09	29	ND	4.0	35	66	1600	ND	ND	17	ND	ND	2.0	6.0	2.0	81	ND	ND
Feb'16 Avg.		397	3463	65	484	595	1325	553	1583	206	ND	11	0.15	45	2.7	5.0	71	107	2280	ND	3.7	19	ND	5.0	1.7	12	17	136	6.0	27
03/01/2016	Site 3	316	2340	85	1310	390	858	400	1010	216	11	8.0	0.21	27	ND	ND	37	86	1400	ND	ND	13	ND	17	ND	ND	ND	62	ND	ND
03/07/2016	Site 3	305	773	28	340	4390	331	206	375	66	ND	14	0.52	8	ND	13	14	27	496	ND	54	ND	ND	10	ND	ND	ND	ND	ND	ND
03/13/2016	Site 3	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	0.21	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
03/19/2016	Site 3	388	2230	71	1260	186	854	406	906	107	ND	7.0	0.03	18	ND	ND	22	51	1120	ND	ND	14	ND	9.0	ND	ND	ND	ND	ND	ND
03/25/2016	Site 3	384	2260	45	560	1200	874	409	972	138	ND	6.0	0.09	23	ND	ND	35	79	1460	ND	ND	15	ND	9.0	ND	ND	ND	93	ND	ND
03/31/2016	Site 3	434	2090	32	556	2910	740	367	847	130	ND	9.0	0.14	23	ND	ND	24	46	1110	ND	ND	10	ND	10	ND	ND	ND	ND	ND	ND
Mar'16 Avg.		365	1939	52	805	1815	731	358	822	131	2.2	8.8	0.24	20	ND	2.6	26	58	1117	ND	11	10	ND	11	ND	ND	ND	31	ND	ND
04/06/2016	Site 3	398	2410	62	856	1230	892	414	1150	128	ND	7.0	0.23	30	ND	ND	28	66	1440	ND	ND	16	ND	ND	ND	ND	ND	66	ND	ND
04/12/2016	Site 3	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	0.23	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV
04/18/2016	Site 3	452	3520	69	601	750	1350	561	1580	183	ND	9.0	0.14	41	ND	5.0	55	86	1990	ND	ND	21	ND	10	ND	ND	ND	97	ND	ND
04/24/2016	Site 3	572	1330	49	734	7330	511	355	614	59	ND	ND	0.08	8.0	ND	ND	8.0	19	559	ND	ND	11	ND	17	ND	ND	ND	ND	ND	ND
04/30/2016	Site 3	466	976	39	689	5270	396	280	531	57	ND	ND	0.10	8.0	ND	ND	10	25	482	ND	ND	ND	ND	9.0	ND	ND	ND	ND	ND	ND
Apr'16 Avg.		378	1647	44	576	2916	630	322	775	85	ND	3.2	0.16	17	ND	1.0	20	39	894	ND	ND	10	ND	7.2	ND	ND	ND	33	ND	ND
05/06/2016	Site 3	201	882	22	403	506	326	152	468	57	ND	ND	INV	14	ND	ND	29	40	626	ND	ND	9.0	ND	ND	ND	ND	ND	ND	ND	ND
05/12/2016	Site 3	233	1570	64	1060	215	584	266	692	89	ND	7.0	INV	14	ND	ND	20	40	879	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/18/2016	Site 3	299	1730	69	1160	213	644	301	660	86	ND	12	INV	23	ND	5.0	14	35	941	ND	11	10	ND	ND	ND	ND	ND	ND	ND	ND

05/24/2016	**Site 3**	258	1060	23	438	2360	392	225	467	53	ND	ND		**0.24**		13	ND	ND	10	26	523	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/30/2016	**Site 3**	305	1030	50	963	1130	389	246	444	52	ND	ND		**0.05**		13	ND	ND	6.0	20	498	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
May'16 Avg.		**259**	**1254**	**46**	**805**	**885**	**467**	**238**	**546**	**67**	**ND**	**3.8**		**0.15**		**15**	**0.0**	**1.0**	**16**	**32**	**693**	**ND**	**2.2**	**3.8**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
06/05/2016	**Site 3**	124	873	48	857	57	340	155	353	46	ND	ND		**0.12**		ND	ND	ND	11	16	431	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/11/2016	**Site 3**	161	581	24	486	722	225	118	279	26	ND	ND		**0.02**		ND	ND	ND	ND	8.0	254	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/17/2016	**Site 3**	593	2970	133	789	2480	1110	909	2900	175	ND	23		**INV**		44	ND	ND	26	59	1600	ND	ND	28	ND	18	ND	ND	ND	83	ND	ND
06/23/2016	**Site 3**	427	2020	81	1390	452	836	401	877	112	ND	6.0		**0.05**		18	ND	ND	16	35	1040	ND	ND	11	ND	ND	ND	ND	ND	ND	ND	ND
06/29/2016	**Site 3**	351	2120	110	1950	141	816	400	973	135	ND	ND		**0.06**		19	ND	5.0	21	41	1080	ND	ND	14	ND	ND	ND	ND	ND	ND	ND	ND
June'16 Avg.		**331**	**1713**	**79**	**1094**	**770**	**665**	**397**	**1076**	**99**	**ND**	**5.8**		**0.05**		**16**	**ND**	**1.0**	**15**	**32**	**881**	**ND**	**ND**	**11**	**ND**	**3.6**	**ND**	**ND**	**ND**	**17**	**ND**	**ND**
07/05/16	**Site 3**	384	1390	65	1180	556	617	1070	584	86	ND	8.0		**0.42**		15	ND	ND	44	35	740	ND	ND	32	ND	ND	ND	ND	ND	123	ND	ND
07/11/16	**Site 3**	550	1600	63	1100	4710	655	398	844	85	ND	ND		**0.14**		14	ND	ND	13	24	776	ND	ND	10	ND	ND	ND	ND	ND	ND	ND	ND
07/17/16	**Site 3**	299	1270	89	1340	440	467	271	564	63	ND	ND		**0.13**		14	ND	ND	10	26	662	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/23/16	**Site 3**	717	2620	70	1100	6410	990	572	1240	139	ND	6.0		**0.05**		24	ND	ND	16	38	1210	ND	ND	15	ND	13	ND	ND	ND	ND	ND	ND
07/29/16	**Site 3**	410	2440	67	1090	1040	951	447	1260	165	ND	11		**0.11**		32	ND	6.0	29	52	1370	ND	ND	13	ND	ND	ND	ND	ND	61	ND	ND
July'16 Avg.		**472**	**1864**	**71**	**1162**	**2631**	**736**	**552**	**898**	**108**	**ND**	**5.0**		**0.17**		**20**	**ND**	**1.2**	**22**	**35**	**952**	**ND**	**ND**	**14**	**ND**	**2.6**	**ND**	**ND**	**ND**	**37**	**ND**	**ND**
08/04/16	**Site 3**	411	1750	64	1220	1490	670	358	834	105	ND	ND		**0.15**		19	ND	ND	25	44	987	ND	ND	11	ND	8	ND	ND	ND	ND	ND	ND
08/10/16	**Site 3**	302	1420	47	1020	356	530	300	661	77	ND	ND		**0.10**		11	ND	ND	13	30	742	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/16/16	**Site 3**	436	2000	54	725	2220	771	402	1070	110	ND	7.0		**0.25**		20	ND	ND	22	56	1100	ND	ND	13	ND	9	ND	ND	ND	ND	ND	ND
08/22/16	**Site 3**	416	1850	57	935	1690	711	401	914	132	ND	8.0		**0.25**		17	ND	ND	23	46	1030	ND	ND	13	ND	8	ND	ND	ND	ND	ND	ND
08/28/16	**Site 3**	454	2040	55	900	1890	742	400	798	92	ND	ND		**0.04**		15	ND	6.0	15	31	935	ND	ND	11	ND	10	ND	ND	ND	ND	ND	ND
Aug'16 Avg.		**404**	**1812**	**55**	**960**	**1529**	**685**	**372**	**855**	**103**	**ND**	**3.0**		**0.16**		**16**	**ND**	**1.2**	**20**	**41**	**959**	**ND**	**ND**	**10**	**ND**	**7.0**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
09/03/16	**Site 3**	369	1290	51	876	2250	500	305	600	59	ND	ND		**0.05**		10	ND	ND	10	22	659	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/09/16	**Site 3**	459	1810	67	1140	1670	689	390	913	87	ND	6.0		**0.17**		19	ND	ND	19	36	996	ND	ND	9.0	ND	11	ND	ND	ND	ND	ND	ND
09/15/16	**Site 3**	479	2380	47	709	2380	883	443	1160	141	ND	6.0		**0.07**		29	ND	ND	32	53	1380	ND	ND	15	ND	12	ND	ND	ND	59	ND	ND
09/21/16	**Site 3**	305	1310	64	667	1630	514	335	1000	88	ND	8.0		**0.35**		18	ND	ND	30	38	846	ND	20	15	ND	ND	ND	ND	ND	63	ND	ND
09/27/16	**Site 3**	799	7140	92	572	601	2780	1110	3080	301	ND	8.0		**0.29**		70	6.0	6.0	54	87	3310	ND	ND	35	ND	9.0	ND	ND	ND	143	15	26
Sept'16 Avg.		**482**	**2786**	**64**	**793**	**1706**	**1073**	**517**	**1351**	**135**	**ND**	**5.6**		**0.19**		**29**	**1.2**	**1.2**	**29**	**47**	**1438**	**ND**	**4.0**	**15**	**ND**	**6.4**	**ND**	**ND**	**ND**	**53**	**3.0**	**5.2**

ND = Non-Detect, below the MDL
NS = No Sample
na = Uranium does not have a valid calibration
INV = Invalid