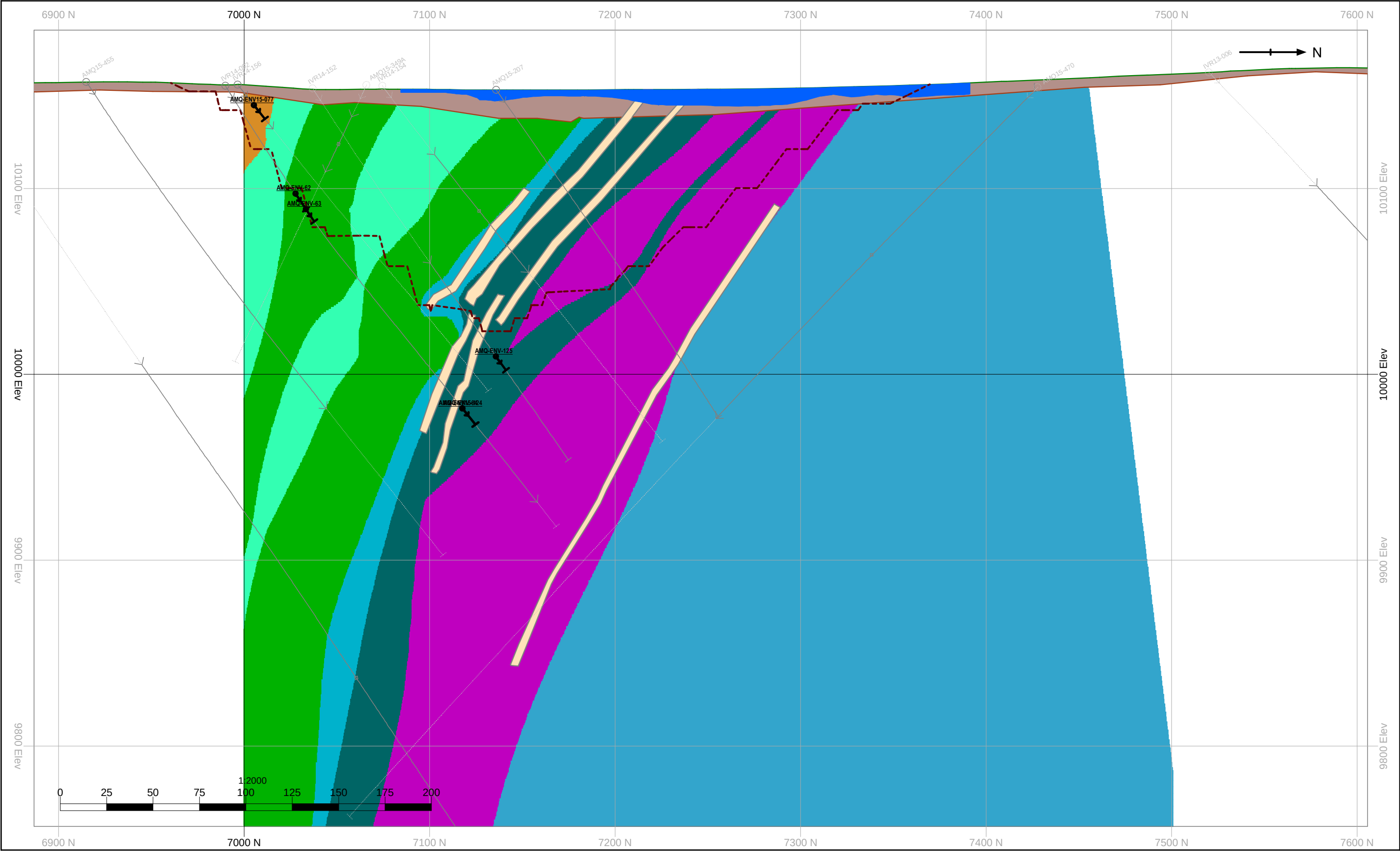
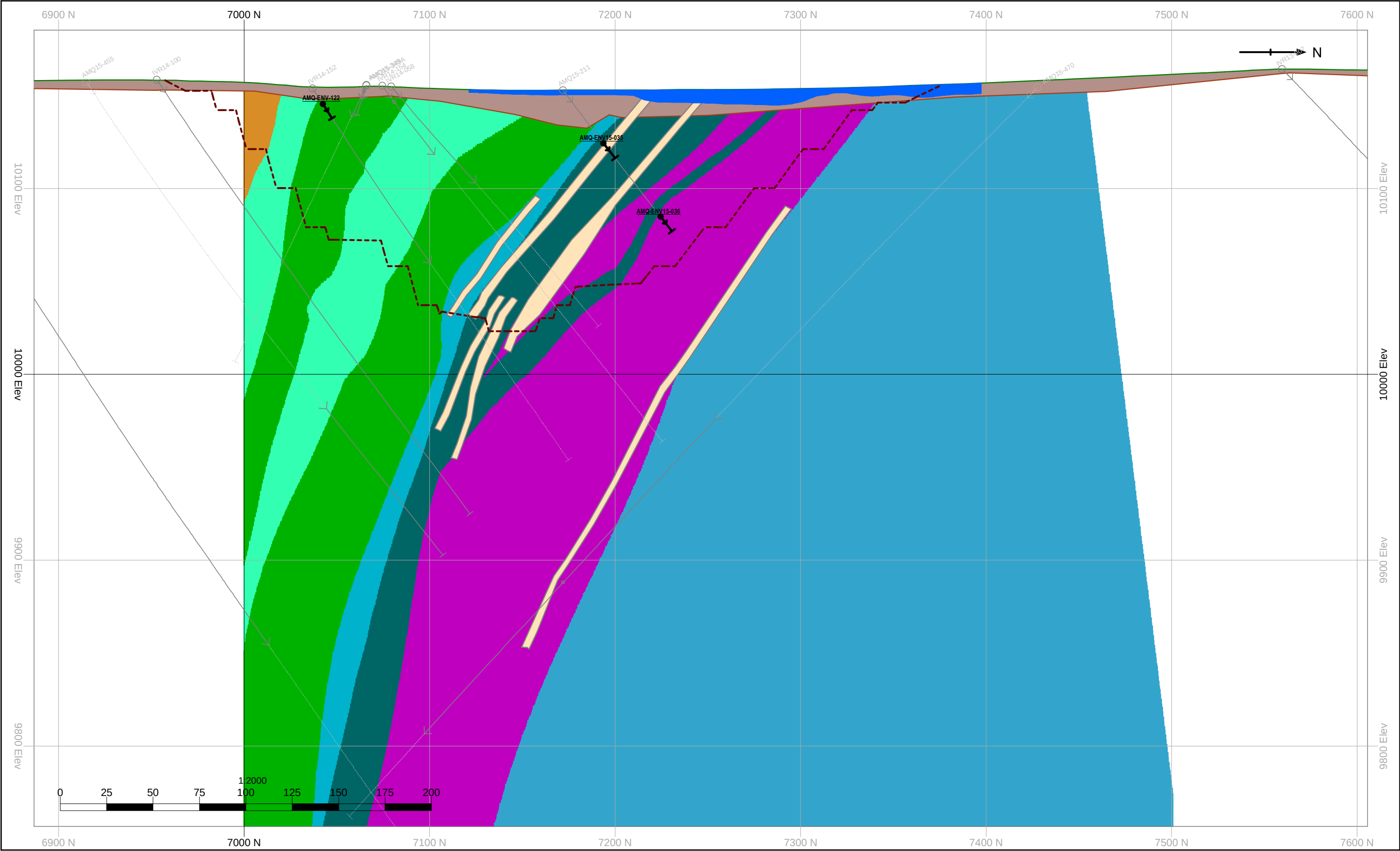




WT Legend		
[MINERALIZED ZONE]	[TOPO]	[LAKE]
[OVB]	[PIT]	[I1 & I2]
[I3]	[S3N]	[S3C]
[S3S]	[S10E]	[V3]
[V3F]	[V3 & V4]	[V4A]

Whale Tail South North Projection		
Section Easting: 15097	Section Northing: 7246.25	Section Elevation: 9971
Section 42 of 54		(+ / -) 12.5m
Scale 1:2000	Date: 07/10/15	Drawn By: Christopher L.Roulier

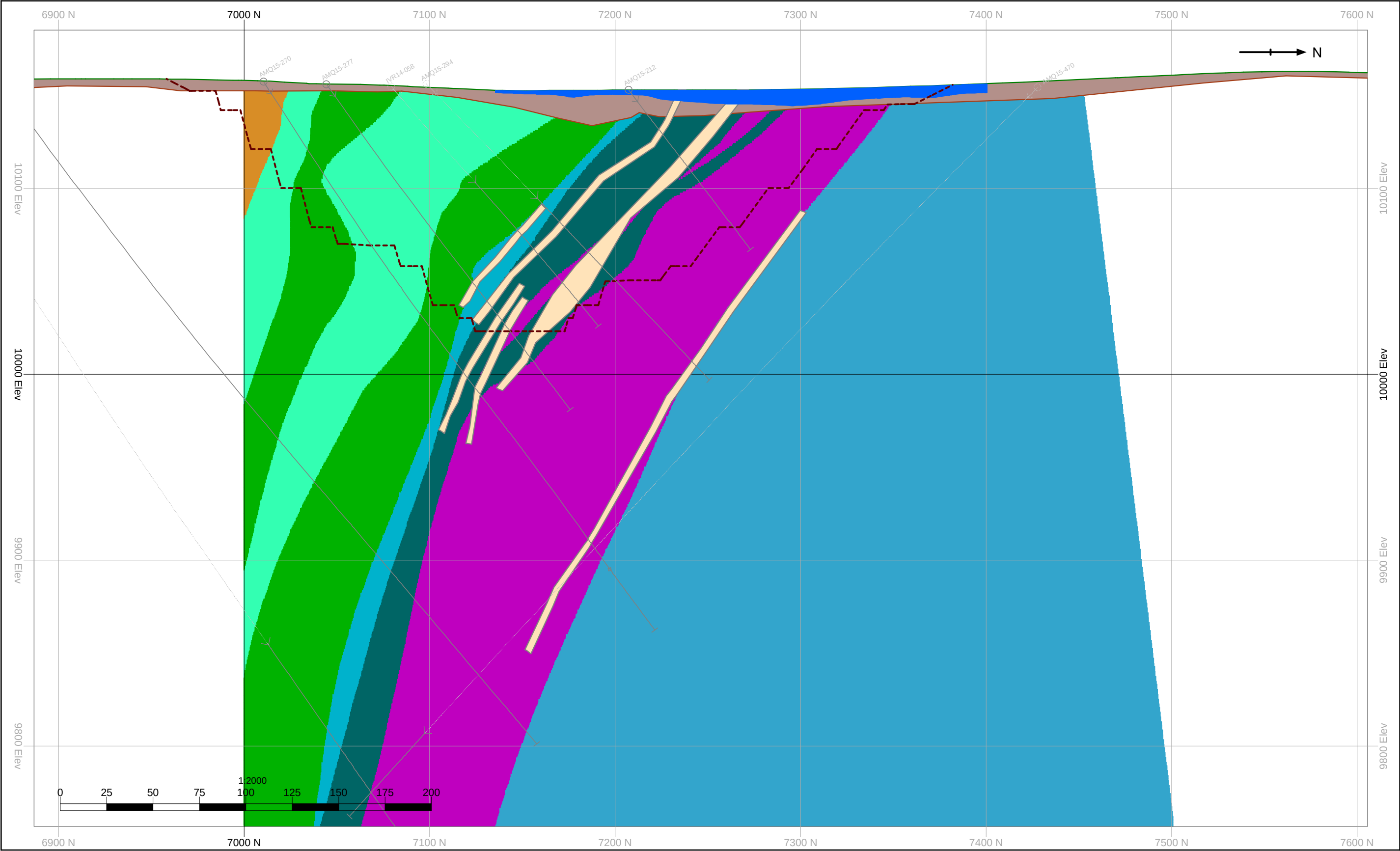




WT Legend		
[MINERALIZED ZONE]	[TOPO]	[LAKE]
[OVB]	[PIT]	[I1 & I2]
[I3]	[S3N]	[S3C]
[S3S]	[S10E]	[V3]
[V3F]	[V3 & V4]	[V4A]

Whale Tail South North Projection		
Section Easting: 15122	Section Northing: 7246.25	Section Elevation: 9971
Section 43 of 54		(+ / -) 12.5m
Scale 1:2000	Date: 07/10/15	Drawn By: Christopher L.Roulier

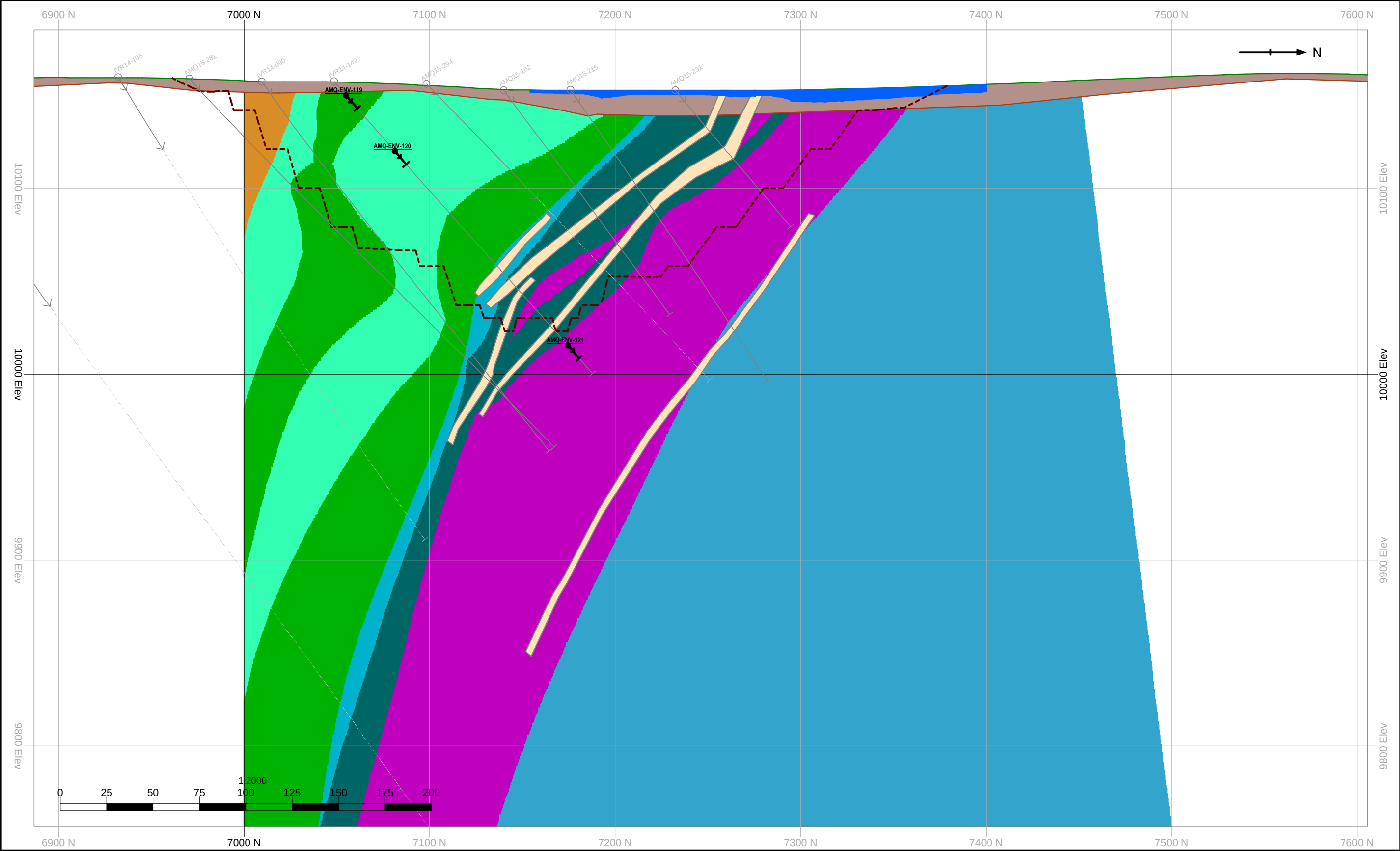




WT Legend		
[MINERALIZED_ZONE]	[TOPO]	[LAKE]
[OVB]	[PIT]	[I1 & I2]
[I3]	[S3N]	[S3C]
[S3S]	[S10E]	[V3]
[V3F]	[V3 & V4]	[V4A]

Whale Tail South North Projection		
Section Easting: 15147	Section Northing: 7246.25	Section Elevation: 9971
Section 44 of 54		(+ / -) 12.5m
Scale 1:2000	Date: 07/10/15	Drawn By: Christopher L.Roulier

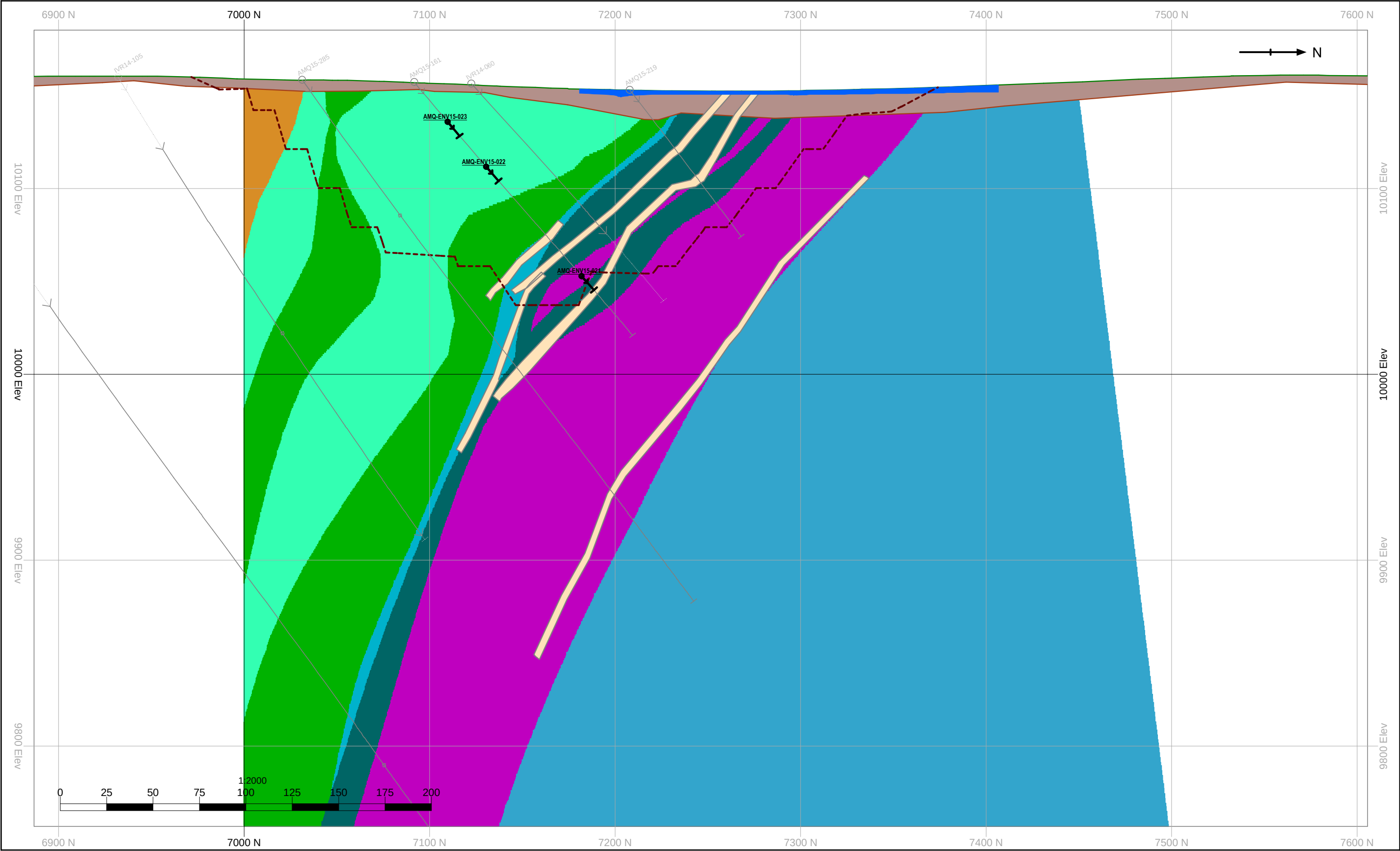




WT Legend		
[MINERALIZED_ZONE]	[TOPO]	[LAKE]
[OVB]	[PIT]	[I1 & I2]
[I3]	[S3N]	[S3C]
[S3S]	[S10E]	[V3]
[V3F]	[V3 & V4]	[V4A]

Whale Tail South North Projection		
Section Easting: 15172	Section Northing: 7246.25	Section Elevation: 9971
Section 45 of 54		(+ / -) 12.5m
Scale 1:2000	Date: 07/10/15	Drawn By: Christopher L.Roulier

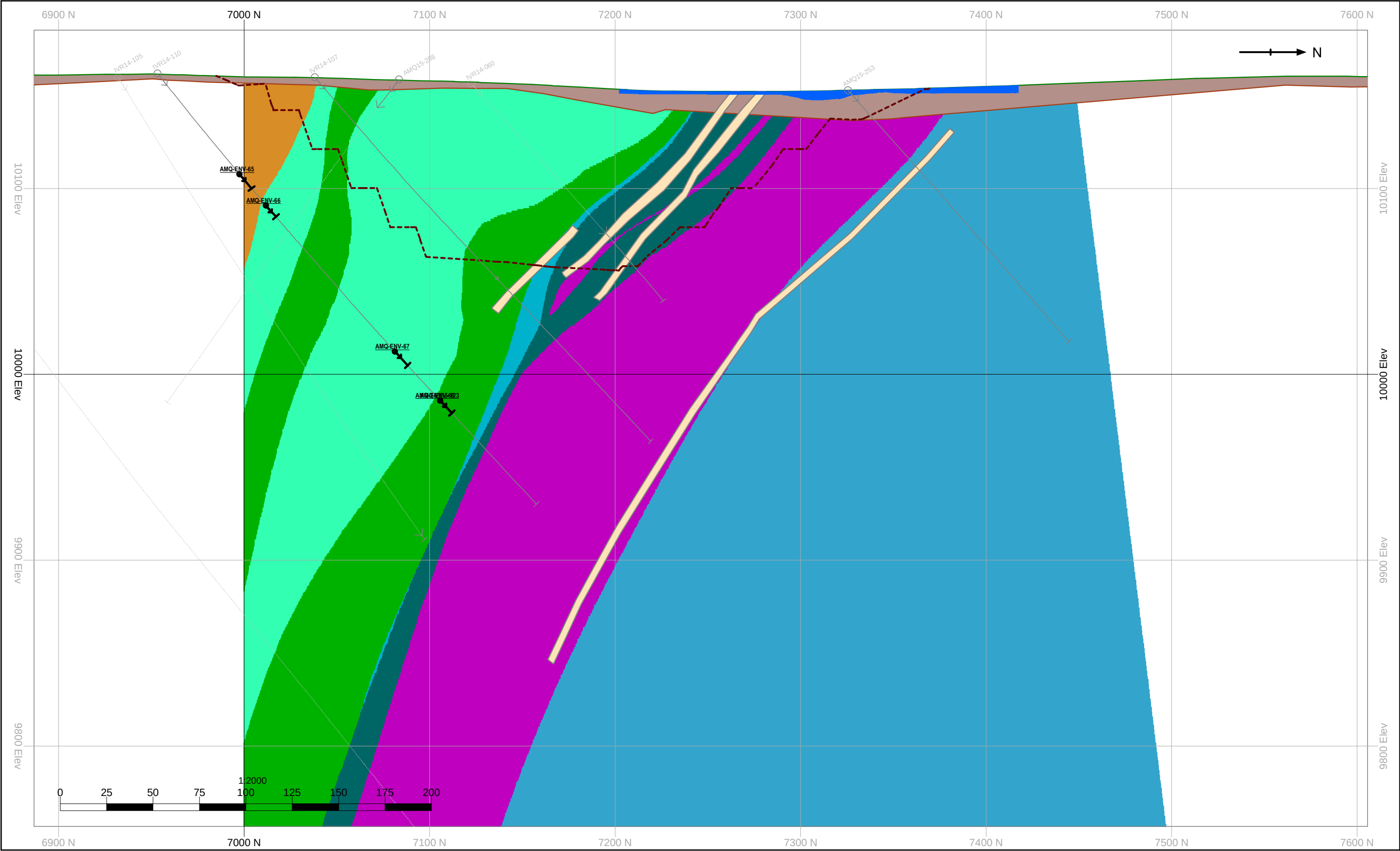




WT Legend		
[MINERALIZED ZONE]	[TOPO]	[LAKE]
[OVB]	[PIT]	[I1 & I2]
[I3]	[S3N]	[S3C]
[S3S]	[S10E]	[V3]
[V3F]	[V3 & V4]	[V4A]

Whale Tail South North Projection		
Section Easting: 15197	Section Northing: 7246.25	Section Elevation: 9971
Section 46 of 54		(+ / -) 12.5m
Scale 1:2000	Date: 07/10/15	Drawn By: Christopher L.Roulier

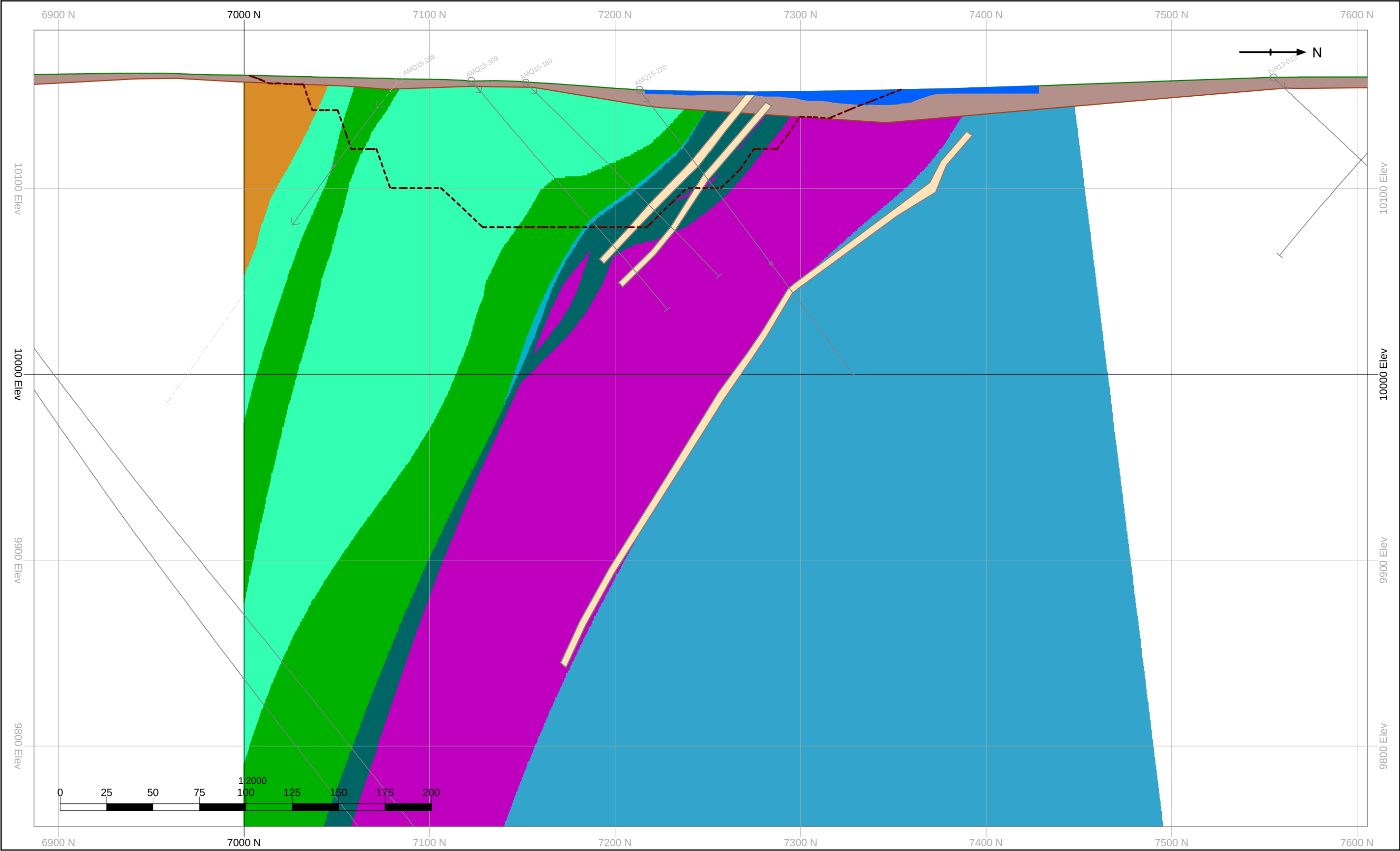




WT Legend		
[MINERALIZED ZONE]	[TOPO]	[LAKE]
[OVB]	[PIT]	[I1 & I2]
[I1]	[S3N]	[S3C]
[S3S]	[S10E]	[V3]
[V3F]	[V3 & V4]	[V4A]

Whale Tail South North Projection		
Section Easting: 15222	Section Northing: 7246.25	Section Elevation: 9971
Section 47 of 54		(+ / -) 12.5m
Scale 1:2000	Date: 07/10/15	Drawn By: Christopher L.Roulier

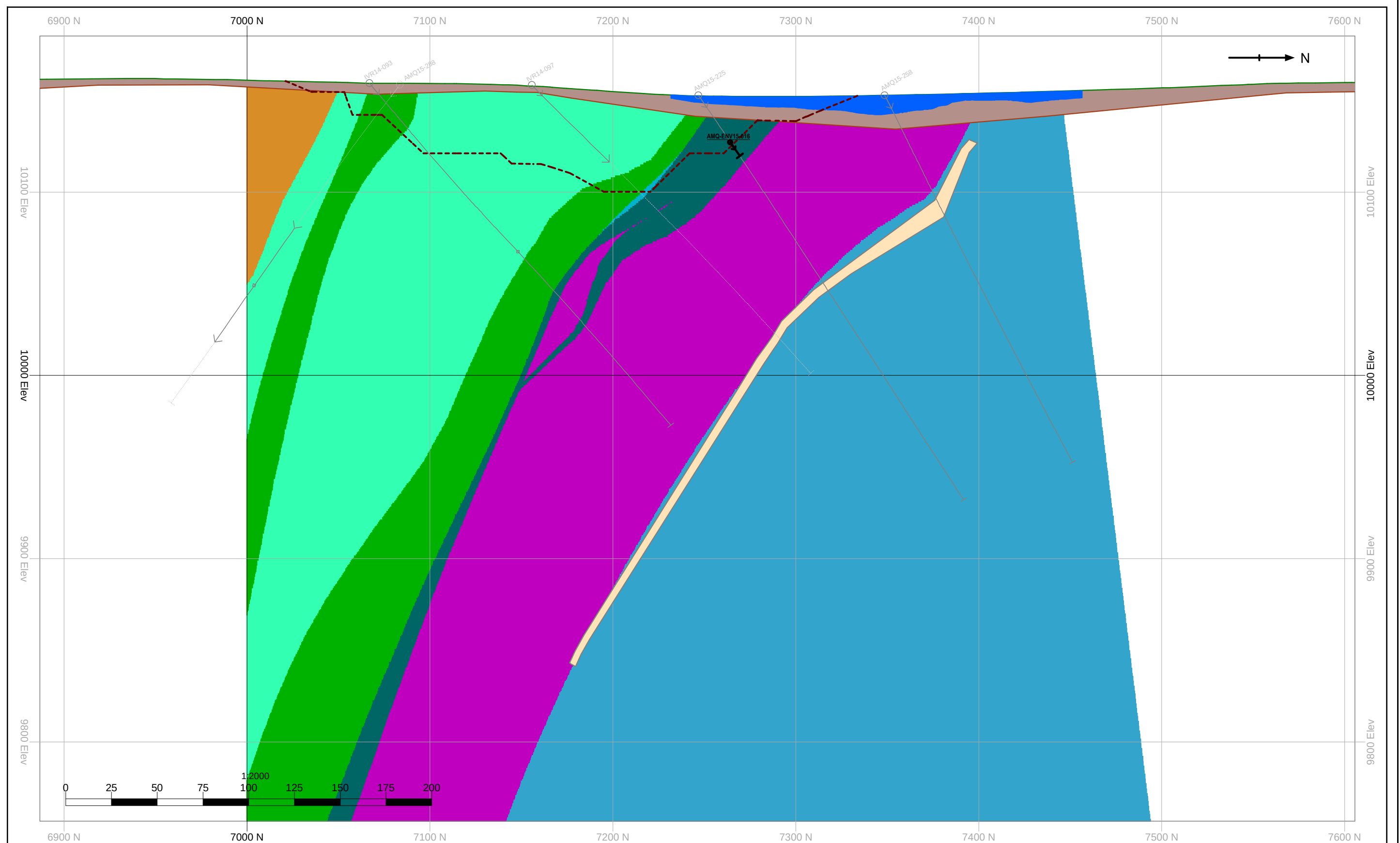




WT Legend		
[MINERALIZED ZONE]	[TOPO]	[LAKE]
[OVB]	[PIT]	[I1 & I2]
[I3]	[S3N]	[S3C]
[S3S]	[S10E]	[V3]
[V3F]	[V3 & V4]	[V4A]

Whale Tail South North Projection		
Section Easting: 15247	Section Northing: 7246.25	Section Elevation: 9971
Section 48 of 54		(+ / -) 12.5m
Scale 1:2000	Date: 07/10/15	Drawn By: Christopher L.Roulier



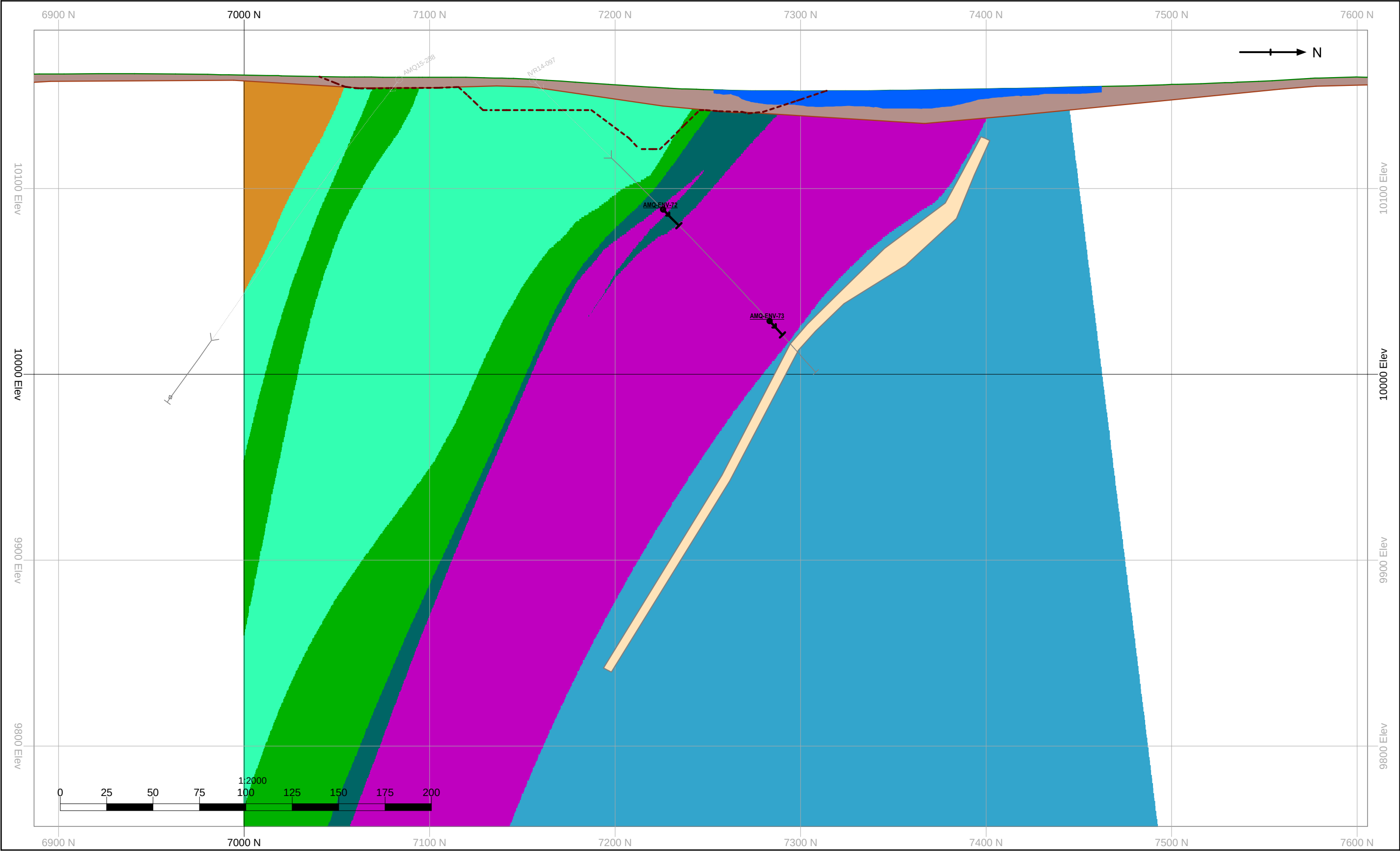


WT Legend

[MINERALIZED ZONE]	[TOPO]	[LAKE]
[OVB]	[PIT]	[I1 & I2]
[I3]	[S3N]	[S3C]
[S3S]	[S10E]	[V3]
[V3F]	[V3 & V4]	[V4A]

Whale Tail South North Projection		
Section Easting: 15272	Section Northing: 7246.25	Section Elevation: 9971
Section 49 of 54		(+ / -) 12.5m
Scale 1:2000	Date: 07/10/15	Drawn By: Christopher L.Roulier

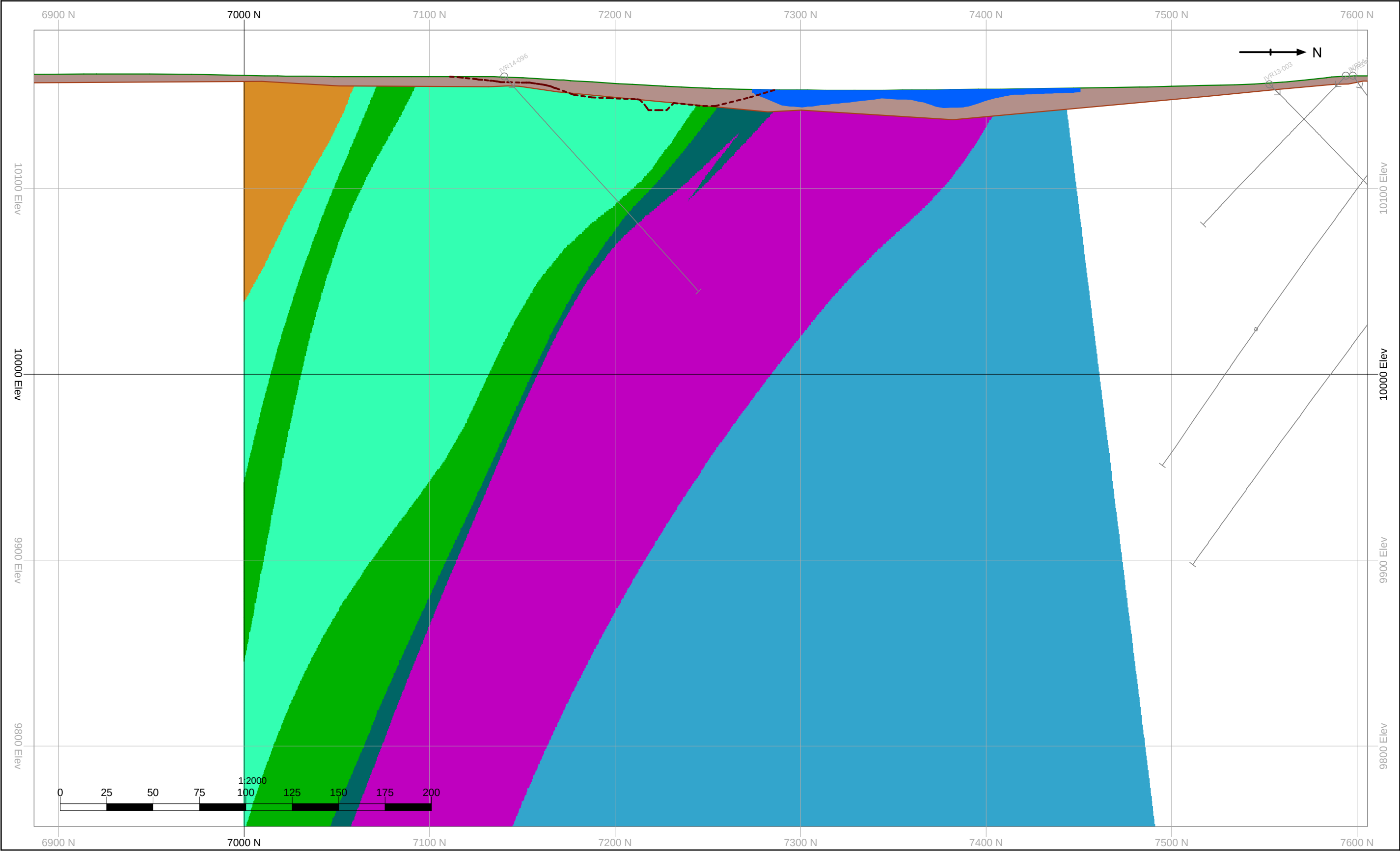




WT Legend		
[MINERALIZED ZONE]	[TOPO]	[LAKE]
[OVB]	[PIT]	[I1 & I2]
[I1]	[S3N]	[S3C]
[S3S]	[S10E]	[V3]
[V3F]	[V3 & V4]	[V4A]

Whale Tail South North Projection		
Section Easting: 15297	Section Northing: 7246.25	Section Elevation: 9971
Section 50 of 54		(+ / -) 12.5m
Scale 1:2000	Date: 07/10/15	Drawn By: Christopher L.Roulier

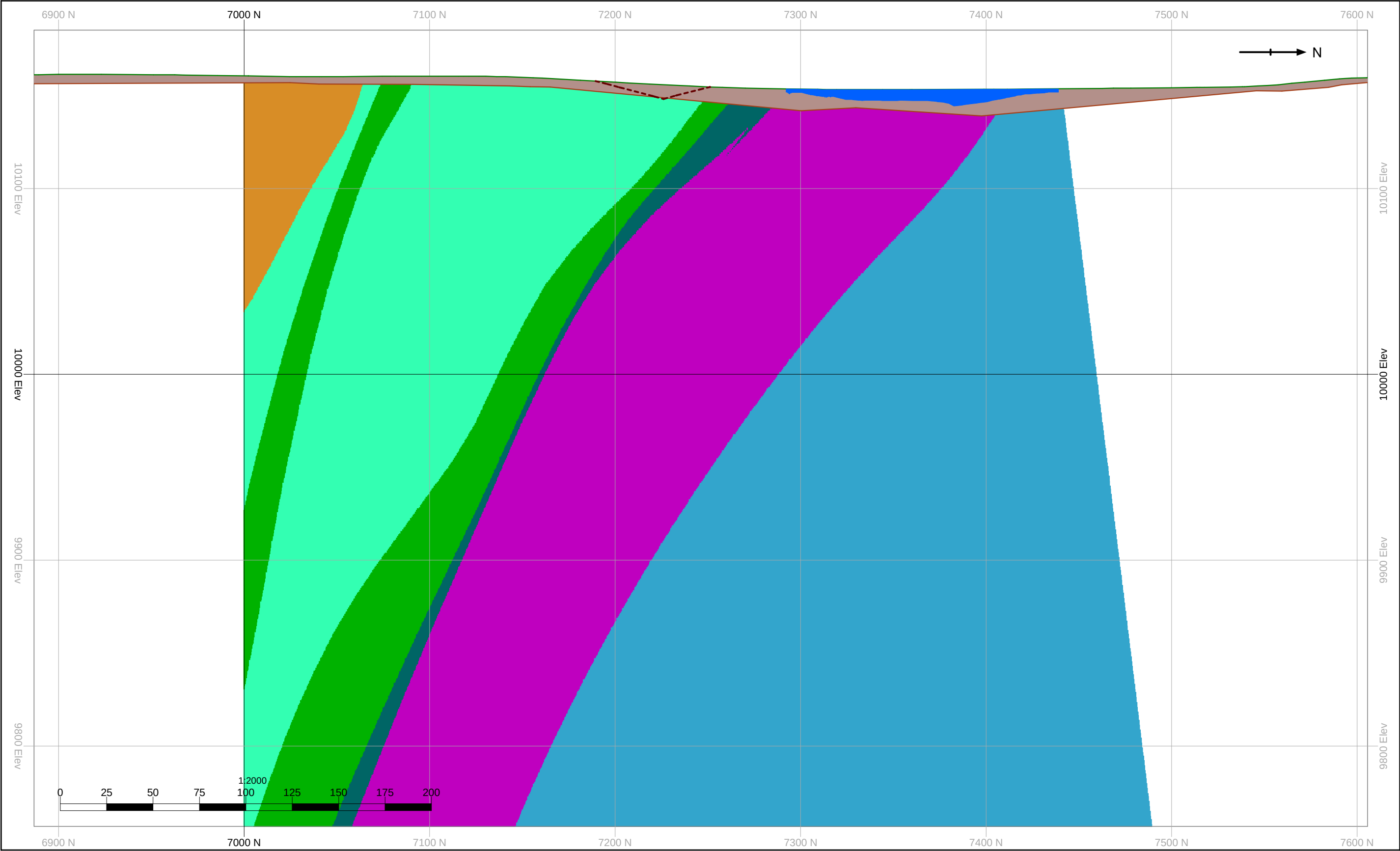




WT Legend		
[MINERALIZED_ZONE]	[TOPO]	[LAKE]
[OVB]	[PIT]	[I1 & I2]
[I3]	[S3N]	[S3C]
[S3S]	[S10E]	[V3]
[V3F]	[V3 & V4]	[V4A]

Whale Tail South North Projection		
Section Easting: 15322	Section Northing: 7246.25	Section Elevation: 9971
Section 51 of 54		(+ / -) 12.5m
Scale 1:2000	Date: 07/10/15	Drawn By: Christopher L.Roulier

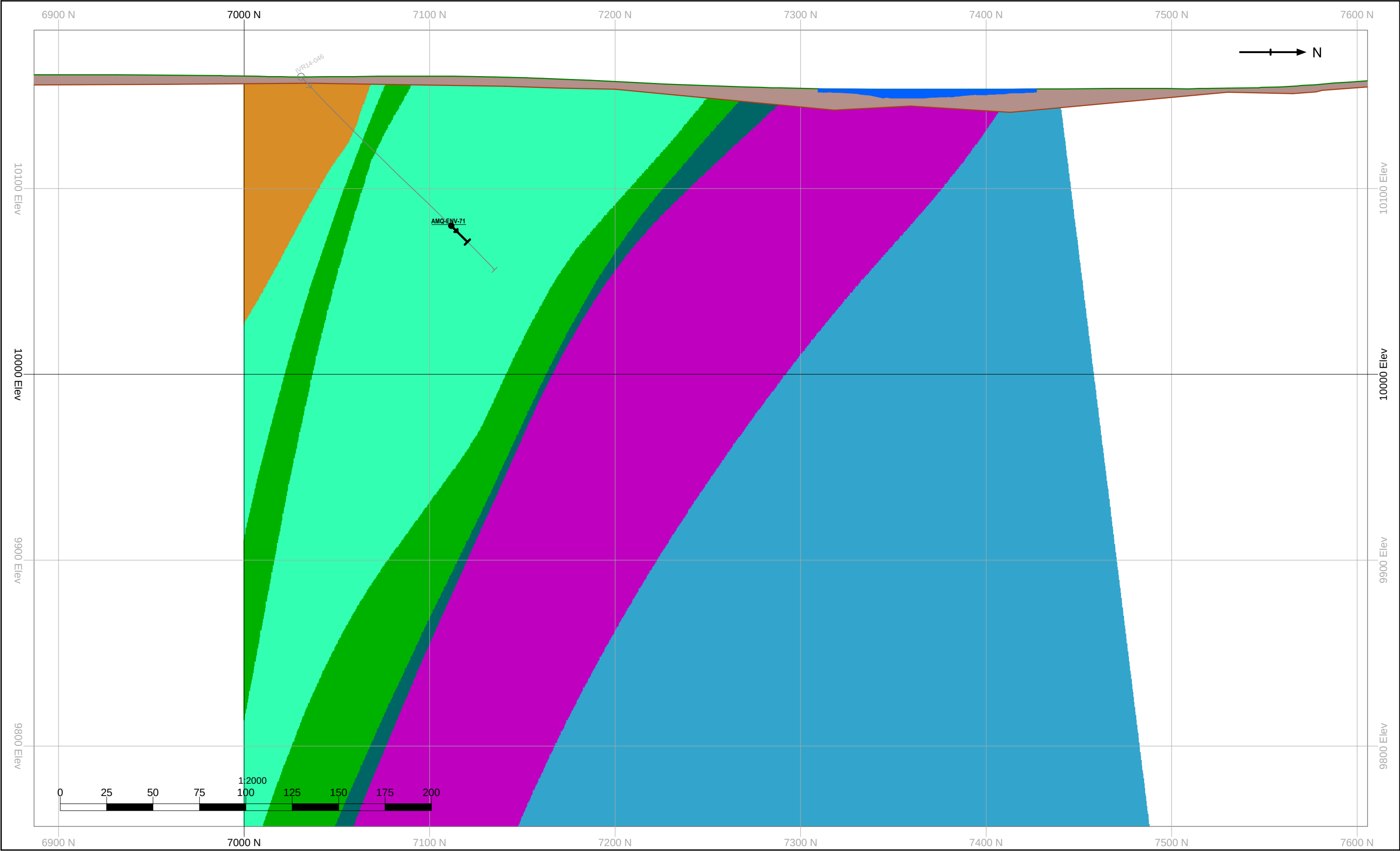




WT Legend		
[MINERALIZED ZONE]	[TOPO]	[LAKE]
[OVB]	[PIT]	[I1 & I2]
[I3]	[S3N]	[S3C]
[S3S]	[S10E]	[V3]
[V3F]	[V3 & V4]	[V4A]

Whale Tail South North Projection		
Section Easting: 15347	Section Northing: 7246.25	Section Elevation: 9971
Section 52 of 54		(+ / -) 12.5m
Scale 1:2000	Date: 07/10/15	Drawn By: Christopher L.Roulier

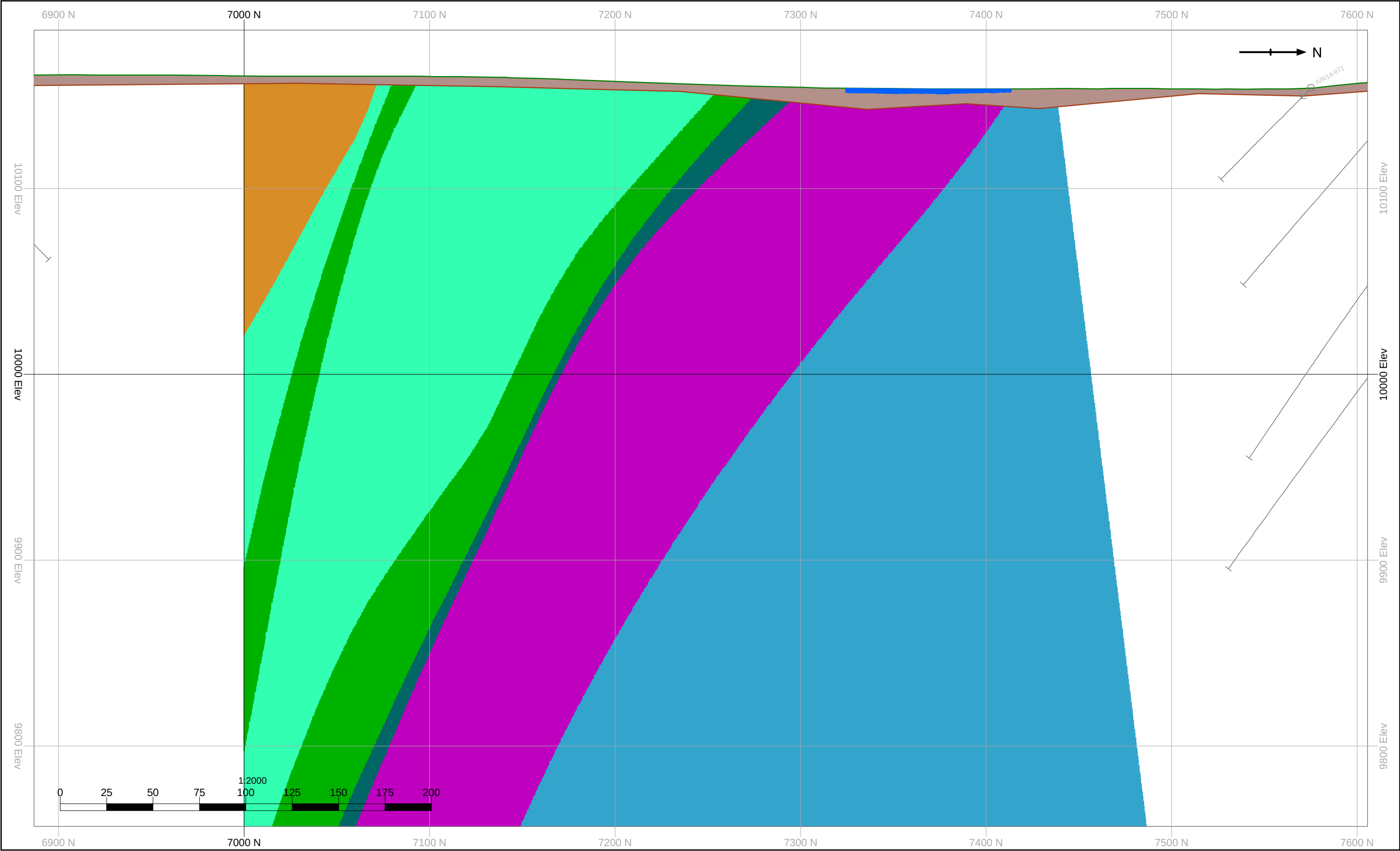




WT Legend		
[MINERALIZED_ZONE]	[TOPO]	[LAKE]
[OVB]	[PIT]	[I1 & I2]
[I3]	[S3N]	[S3C]
[S3S]	[S10E]	[V3]
[V3F]	[V3 & V4]	[V4A]

Whale Tail South North Projection		
Section Easting: 15372	Section Northing: 7246.25	Section Elevation: 9971
Section 53 of 54		(+ / -) 12.5m
Scale 1:2000	Date: 07/10/15	Drawn By: Christopher L.Roulier





WT Legend		
[MINERALIZED ZONE]	[TOPO]	[LAKE]
[OVB]	[PIT]	[I1 & I2]
[I3]	[S3N]	[S3C]
[S3S]	[S10E]	[V3]
[V3F]	[V3 & V4]	[V4A]

Whale Tail South North Projection		
Section Easting: 15397	Section Northing: 7246.25	Section Elevation: 9971
Section 54 of 54		(+ / -) 12.5m
Scale 1:2000	Date: 07/10/15	Drawn By: Christopher L.Roulier





APPENDIX C

Sample Summary Table

Appendix C
Sample Summary
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Sample ID	Borehole ID	Depth (m)		Lithology Code	Rock Name	Waste Type	Sample Type	Whole Rock	Trace Metals	ABA	SFE	XRD Mineralogy	SEM	NAG	Process Water	HCT	Leaching Column	Submerged Column
		From	To															
AMQ-ENV15-029	AMQ15-170	50	60	0a	Ultramafic	Waste	Core	x	x	x	x						X	X
AMQ-ENV-44	IVR14-118	281	295	0a	Ultramafic	Waste	Core	x	x	x	x						X	X
AMQ-ENV15-028	AMQ15-164	80	90	0a	Ultramafic	Waste	Core	x	x	x	x						X	X
AMQ-ENV-16	IVR14-123	95	104	0a	Ultramafic	Waste	Core	x	x	x	x						X	X
AMQ-ENV-31	IVR14-120	61	68.3	0a	Ultramafic	Waste	Core	x	x	x	x		x				X	X
AMQ-ENV-32	IVR14-120	77	86.2	0a	Ultramafic	Waste	Core	x	x	x	x					x	X	X
AMQ-ENV-33	IVR14-120	96.5	106	0a	Ultramafic	Waste	Core	x	x	x	x						X	X
AMQ-ENV-39	IVR14-121A	151	160	0a	Ultramafic	Waste	Core	x	x	x	x						X	X
AMQ-ENV-121	IVR14-149	190	199	0a	Ultramafic	Waste	Core	x	x	x	x						X	X
AMQ-ENV15-030	AMQ15-170	160	170	0a	Ultramafic	Waste	Core	x	x	x	x						X	X
AMQ-ENV15-016	AMQ15-225	31	40	0a	Ultramafic	Waste	Core	x	x	x	x						X	X
AMQ-ENV15-011	AMQ15-232	149	159	0a	Ultramafic	Waste	Core	x	x	x	x						X	X
AMQ-ENV15-014	AMQ15-236	25	35	0a	Ultramafic	Waste	Core	x	x	x	x						X	X
AMQ-ENV15-090	IVR14-079	97	107	0a	Ultramafic	Waste	Core	x	x	x	x						X	X
AMQ-ENV15-026	IVR14-141	224	234	0a	Ultramafic	Waste	Core	x	x	x	x						X	X
AMQ-ENV15-055	IVR14-148	95	105	0a	Ultramafic	Waste	Core	x	x	x	x						X	X
AMQ-ENV-49	IVR14-016	107	116	0a	Ultramafic	Waste	Reject	x	x	x	x			x				
AMQ-ENV-58	IVR14-056	44	54	0a	Ultramafic	Waste	Reject	x	x	x	x							
AMQ-ENV-69	IVR14-015	70	80	0a	Ultramafic	Waste	Reject	x	x	x	x							
AMQ-ENV-70	IVR14-015	82.6	93	0a	Ultramafic	Waste	Reject	x	x	x	x							
AMQ-ENV-73	IVR14-097	182	192	0a	Ultramafic	Waste	Reject	x	x	x	x							
AMQ-ENV-02	IVR14-130	33.6	43.6	0b	Ultramafic	Waste	Core	x	x	x	x						X	X
AMQ-ENV-09	IVR14-116	47	56.1	0b	Ultramafic	Waste	Core	x	x	x	x						X	X
AMQ-ENV-10	IVR14-116	60	69.1	0b	Ultramafic	Waste	Core	x	x	x	x						X	X
AMQ-ENV-113	IVR14-131	220	229	0b	Ultramafic	Waste	Core	x	x	x	x						X	X
AMQ-ENV-119	IVR14-149	10	19.1	0b	Ultramafic	Waste	Core	x	x	x	x						X	X
AMQ-ENV-122	IVR14-152	10	19.1	0b	Ultramafic	Waste	Core	x	x	x	x						X	X
AMQ-ENV15-020	AMQ15-167	21	31	0b	Ultramafic	Waste	Core	x	x	x	x						X	X
AMQ-ENV15-033	AMQ15-180	77	87	0b	Ultramafic	Waste	Core	x	x	x	x						X	X
AMQ-ENV15-109	IVR14-099	50	60	0b	Ultramafic	Waste	Core	x	x	x	x			x			X	X
AMQ-ENV15-081	IVR14-156	105	115	0b	Ultramafic	Waste	Core	x	x	x	x						X	X
AMQ-ENV-54	IVR14-055	21	27.9	0b	Ultramafic	Waste	Reject	x	x	x	x							
AMQ-ENV-61	IVR14-101	201	210	0b	Ultramafic	Waste	Reject	x	x	x	x							
AMQ-ENV-62	IVR14-092	69.3	79.5	0b	Ultramafic	Waste	Reject	x	x	x	x							
AMQ-ENV-68	IVR14-110	233	242	0b	Ultramafic	Waste	Reject	x	x	x	x							
AMQ-ENV15-035	AMQ15-211	36	46	S9E	Iron Formation	Waste	Core	x	x	x	x			x			X	X
AMQ-ENV15-099	IVR14-089	161	171	S9E	Iron Formation	Waste	Core	x	x	x	x						X	X
AMQ-ENV-17	IVR14-123	168	177	S9E	Iron Formation	Waste	Core	x	x	x	x			x			X	X
AMQ-ENV-42	IVR14-118	201	213	S9E	Iron Formation	Waste	Core	x	x	x	x			x			X	X
AMQ-ENV-43	IVR14-118	264	276	S9E	Iron Formation	Waste	Core	x	x	x	x		x			x	X	X
AMQ-ENV-125	IVR14-152	175	184	S9E	Iron Formation	Waste	Core	x	x	x	x		x				X	X
AMQ-ENV15-027	AMQ15-164	45	55	S9E	Iron Formation	Waste	Core	x	x	x	x			x			X	X
AMQ-ENV15-034	AMQ15-180	110	119	S9E	Iron Formation	Waste	Core	x	x	x	x			x			X	X
AMQ-ENV15-045	AMQ15-188	115	125	S9E	Iron Formation	Waste	Core	x	x	x	x						X	X
AMQ-ENV15-038	AMQ15-193	43	53	S9E	Iron Formation	Waste	Core	x	x	x	x						X	X
AMQ-ENV15-039	AMQ15-193	85	95	S9E	Iron Formation	Waste	Core	x	x	x	x						X	X
AMQ-ENV15-086	IVR14-016	130	140	S9E	Iron Formation	Waste	Core	x	x	x	x						X	X
AMQ-ENV15-021	AMQ15-161	138	148	S9E	Iron Formation	Waste	Core	x	x	x	x						X	X
AMQ-ENV15-040	AMQ15-178	40	50	S9E	Iron Formation	Waste	Core	x	x	x	x						X	X
AMQ-ENV15-041	AMQ15-178	90	100	S9E	Iron Formation	Waste	Core	x	x	x	x						X	X
AMQ-ENV15-010	AMQ15-232	116	124	S9E	Iron Formation	Waste	Core	x	x	x	x			x			X	X
AMQ-ENV-47	IVR14-016	130	140	S9E	Iron Formation	Waste	Reject	x	x	x	x							
AMQ-ENV-56	IVR14-055	95	105	S9E	Iron Formation	Waste	Reject	x	x	x	x			x				
AMQ-ENV-57	IVR14-056	21	31	S9E	Iron Formation	Waste	Reject	x	x	x	x			x				
AMQ-ENV-59	IVR14-056	79.5	90	S9E	Iron Formation	Waste	Reject	x	x	x	x							
AMQ-ENV-72	IVR14-097	99	111	S9E	Iron Formation	Waste	Reject	x	x	x	x							
AMQ-ENV-64	IVR14-092	216	227	S9E	Iron Formation	Waste	Reject	x	x	x	x							
AMQ-ENV-03	IVR14-130	61.8	71.2	S3C	Central Greywacke	Waste	Core	x	x	x	x			x			X	
AMQ-ENV-109	IVR14-146	10	19.1	S3C	Central Greywacke	Waste	Core	x	x	x	x			x			X	
AMQ-ENV-11	IVR14-116	175	184	S3C	Central Greywacke	Waste	Core	x	x	x	x			x			X	
AMQ-ENV-12	IVR14-116	250	259	S3C	Central Greywacke	Waste	Core	x	x	x	x						X	
AMQ-ENV-13	IVR14-123	9	18.5	S3C	Central Greywacke	Waste	Core	x	x	x	x			x			X	
AMQ-ENV-14	IVR14-123	21	30.2	S3C	Central Greywacke	Waste	Core	x	x	x	x			x			X	
AMQ-ENV15-004	AMQ15-245a	32	42	S3C	Central Greywacke	Waste	Core	x	x	x	x						X	
AMQ-ENV15-005	AMQ15-245a	45	55	S3C	Central Greywacke	Waste	Core	x	x	x	x						X	
AMQ-ENV15-006	AMQ15-232	21	31	S3C	Central Greywacke	Waste	Core	x	x	x	x						X	
AMQ-ENV15-008	AMQ15-232	69	79	S3C	Central Greywacke	Waste	Core	x	x	x	x	x		x			X	
AMQ-ENV15-009	AMQ15-232	92	102	S3C	Central Greywacke	Waste	Core	x	x	x	x						X	
AMQ-ENV15-012	AMQ15-241	15	25	S3C	Central Greywacke	Waste	Core	x	x	x	x						X	
AMQ-ENV15-025	IVR14-141	139	148	S3C	Central Greywacke	Waste	Core	x	x	x	x	x		x			X	

Appendix C
Sample Summary
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Sample ID	Borehole ID	Depth (m)		Lithology Code	Rock Name	Waste Type	Sample Type	Whole Rock	Trace Metals	ABA	SFE	XRD Mineralogy	SEM	NAG	Process Water	HCT	Leaching Column	Submerged Column
		From	To															
AMQ-ENV-112	IVR14-131	10	19.1	S3S	South Greywacke	Waste	Core	x	x	x	x						X	
AMQ-ENV-115	IVR14-144	70	79.1	S3S	South Greywacke	Waste	Core	x	x	x	x						X	
AMQ-ENV-116	IVR14-144	186	195	S3S	South Greywacke	Waste	Core	x	x	x	x						X	
AMQ-ENV-117	IVR14-151	15	24.2	S3S	South Greywacke	Waste	Core	x	x	x	x						X	
AMQ-ENV-120	IVR14-149	50	59.1	S3S	South Greywacke	Waste	Core	x	x	x	x						X	
AMQ-ENV15-023	AMQ15-161	28	38	S3S	South Greywacke	Waste	Core	x	x	x	x						X	
AMQ-ENV15-022	AMQ15-161	60	70	S3S	South Greywacke	Waste	Core	x	x	x	x						X	
AMQ-ENV15-032	AMQ15-180	25	35	S3S	South Greywacke	Waste	Core	x	x	x	x						X	
AMQ-ENV15-003	AMQ15-187	32	42	S3S	South Greywacke	Waste	Core	x	x	x	x						X	
AMQ-ENV15-001	AMQ15-187	95	105	S3S	South Greywacke	Waste	Core	x	x	x	x						X	
AMQ-ENV15-047	AMQ15-188	29	39	S3S	South Greywacke	Waste	Core	x	x	x	x						X	
AMQ-ENV15-013	AMQ15-241	76	86	S3S	South Greywacke	Waste	Core	x	x	x	x						X	
AMQ-ENV15-101	IVR14-087	20	30	S3S	South Greywacke	Waste	Core	x	x	x	x						X	
AMQ-ENV15-102	IVR14-087	50	60	S3S	South Greywacke	Waste	Core	x	x	x	x						X	
AMQ-ENV15-103	IVR14-087	75	85	S3S	South Greywacke	Waste	Core	x	x	x	x						X	
AMQ-ENV15-093	IVR14-091	20	30	S3S	South Greywacke	Waste	Reject	x	x	x	x							
AMQ-ENV15-110	IVR14-099	15	25	S3S	South Greywacke	Waste	Reject	x	x	x	x							
AMQ-ENV15-049	IVR14-141	13	22	S3S	South Greywacke	Waste	Reject	x	x	x	x							
AMQ-ENV-50	IVR14-103	125	132	S3S	South Greywacke	Waste	Reject	x	x	x	x	x						
AMQ-ENV-60	IVR14-101	119	128	S3S	South Greywacke	Waste	Reject	x	x	x	x							
AMQ-ENV-66	IVR14-110	92	100	S3S	South Greywacke	Waste	Reject	x	x	x	x							
AMQ-ENV-67	IVR14-110	197	207	S3S	South Greywacke	Waste	Reject	x	x	x	x							
AMQ-ENV-71	IVR14-046	114	126	S3S	South Greywacke	Waste	Reject	x	x	x	x							
AMQ-ENV15-019	AMQ15-167	47	57	S10	Chert	Waste	Core	x	x	x	x						X	
AMQ-ENV15-046	AMQ15-188	65	75	S10	Chert	Waste	Core	x	x	x	x						X	
AMQ-ENV15-037	AMQ15-193	15	25	S10	Chert	Waste	Core	x	x	x	x						X	
AMQ-ENV15-007	AMQ15-232	50	60	S10	Chert	Waste	Core	x	x	x	x	x					X	
AMQ-ENV15-092	IVR14-079	64	72	S10	Chert	Waste	Core	x	x	x	x						X	
AMQ-ENV15-088	IVR14-089	35	45	S10	Chert	Waste	Core	x	x	x	x						X	
AMQ-ENV15-095	IVR14-091	80	90	S10	Chert	Waste	Core	x	x	x	x						X	
AMQ-ENV15-096	IVR14-091	130	140	S10	Chert	Waste	Core	x	x	x	x	x					X	
AMQ-ENV15-085	IVR14-125A	370	380	S10	Chert	Waste	Core	x	x	x	x						X	
AMQ-ENV15-058	IVR14-147	35	45	S10	Chert	Waste	Core	x	x	x	x						X	
AMQ-ENV15-056	IVR14-148	37	47	S10	Chert	Waste	Core	x	x	x	x						X	
AMQ-ENV15-115	IVR14-155	335	345	S10	Chert	Waste	Core	x	x	x	x						X	
AMQ-ENV15-133	AMQ15-433-01	20	30	S10	Chert	Waste	Core	x	x	x	x					x	X	
AMQ-ENV15-141	AMQ15-481-02	225	235	S10	Chert	Waste	Core	x	x	x	x						X	
AMQ-ENV-01	IVR14-130	10.5	19.8	1b	Mafic Volcanics	Waste	Core	x	x	x	x						X	
AMQ-ENV-07	IVR14-116	16.4	25.1	1b	Mafic Volcanics	Waste	Core	x	x	x	x						X	
AMQ-ENV-08	IVR14-116	30.1	39.1	1b	Mafic Volcanics	Waste	Core	x	x	x	x						X	
AMQ-ENV-118	IVR14-151	200	209	1b	Mafic Volcanics	Waste	Core	x	x	x	x						X	
AMQ-ENV15-104	IVR14-087	100	110	1b	Mafic Volcanics	Waste	Core	x	x	x	x						X	
AMQ-ENV15-094	IVR14-091	41	51	1b	Mafic Volcanics	Waste	Core	x	x	x	x						X	
AMQ-ENV15-024	IVR14-141	38	47	1b	Mafic Volcanics	Waste	Core	x	x	x	x						X	
AMQ-ENV-51	IVR14-103	218	228	1b	Mafic Volcanics	Waste	Reject	x	x	x	x							
AMQ-ENV-114	IVR14-144	16	25.1	8b	Intermediate Intrusive	Waste	Core	x	x	x	x					x		
AMQ-ENV15-002	AMQ15-187	18	25	8b	Intermediate Intrusive	Waste	Core	x	x	x	x							
AMQ-ENV15-100	IVR14-087	9	18	8b	Intermediate Intrusive	Waste	Core	x	x	x	x							
AMQ-ENV15-077	IVR14-156	15	25	8b	Intermediate Intrusive	Waste	Core	x	x	x	x							
AMQ-ENV-65	IVR14-110	70	80	8b	Intermediate Intrusive	Waste	Reject	x	x	x	x							
AMQ-ENV15-089	IVR14-079	78	88	0a_alt	V4_Alt1	Ore	Core	x	x	x	x					Composite		
AMQ-ENV15-076	IVR14-156	145	155	0b	ALTIV41	Ore	Core	x	x	x	x							
AMQ-ENV15-134	AMQ15-433-02	32	41.8	S10	V4_Alt1	Ore	Core	x	x	x	x							
AMQ-ENV15-135	AMQ15-433-03	67.2	75	0a	V4_Alt2	Ore	Core	x	x	x	x							
AMQ-ENV15-136	AMQ15-438-01	32	32.7	S10	QZ3	Ore	Core	x	x	x	x							
AMQ-ENV15-137	AMQ15-438-02	32.7	37.8	0a	QZ4	Ore	Core	x	x	x	x							
AMQ-ENV15-138	AMQ15-438-03	66	78	S10/LUM	QZ2	Ore	Core	x	x	x	x							
AMQ-ENV15-139	AMQ15-438-04	88	98	S10	QZ2	Ore	Core	x	x	x	x							
AMQ-ENV15-140	AMQ15-481-01	190	200	S3C	QZ3	Ore	Core	x	x	x	x							
AMQ-ENV15-142	AMQ15-481-03	254	259	S3C	QZ2	Ore	Core	x	x	x	x							
AMQ-ENV15-143	AMQ15-481-04	262	272	S3C	QZ2	Ore	Core	x	x	x	x							
AMQ-ENV15-144	AMQ15-481-05	390	400	S3C	ALTIV41	Ore	Core	x	x	x	x					x		
AMQ-ENV-52	IVR14-084	72	84	0b	ALTIV41	Ore	Reject	x	x	x	x							
RE-13872/RE-13874				-	-	Tailing	Tailing	x	x	x	x			x	x	x		

Sample ID	Sample Location		Depth	Lithology Code	Rock Name	Waste Type	Sample Type	Whole Rock	Trace Metals	ABA	SFE	XRD Mineralogy	SEM	NAG	Process Water	HCT	Leaching Column	Submerged Column
	northing	easting	To															
AMQ-ENV15-116	607115	7255556	0 - 1 m	-	-	Overburden	Grab	x	x	x	x							
AMQ-ENV15-130	606547	7255421	0 - 1 m	-	-	Overburden	Grab	x	x	x	x							
AMQ-ENV15-131	606491	7255315	0 - 1 m	-	-	Overburden	Grab	x	x	x	x							
AMQ-ENV15-132	606358	7255275	0 - 1 m	-	-	Overburden	Grab	x	x	x	x							
AMQ-ENV15-117	607157	7255734	0 - 1 m	-	-	Overburden	Grab	x	x	x	x							
AMQ-ENV15-118	607073	7255727	0 - 1 m	-	-	Overburden	Grab	x	x	x	x							
AMQ-ENV15-119	607105	7255855	0 - 1 m	-	-	Overburden	Grab	x	x	x	x							
AMQ-ENV15-125	606166	7255176	0 - 1 m	-	-	Overburden	Grab	x	x	x	x							
AMQ-ENV15-126	606339	7255139	0 - 1 m	-	-	Overburden	Grab	x	x	x	x							
AMQ-ENV15-127	606524	7255175	0 - 1 m	-	-	Overburden	Grab	x	x	x	x							
AMQ-ENV15-128	606741	7255248	0 - 1 m	-	-	Overburden	Grab	x	x	x	x							
AMQ-ENV15-129	606665	7255436	0 - 1 m	-	-	Overburden	Grab	x	x	x	x							
WTN-1	North basin of Whale Tail Lake		0 - 0.1 m	-	-	Lake Sediment	Composite	x	x	x	x							
WTN-2	North basin of Whale Tail Lake		0 - 0.1 m	-	-	Lake Sediment	Composite	x	x	x	x							
WTN-3	North basin of Whale Tail Lake		0 - 0.1 m	-	-	Lake Sediment	Composite	x	x	x	x							
WTN-4	North basin of Whale Tail Lake		0 - 0.1 m	-	-	Lake Sediment	Composite	x	x	x	x							
WTN-5	North basin of Whale Tail Lake		0 - 0.1 m	-	-	Lake Sediment	Composite	x	x	x	x							

Notes:
Whole rock was completed using Borate fusion and XRF methods.
ICP = Metals (including arsenic and selenium) by inductively coupled plasma-mass spectroscopy (ICP-MS), with samples extracted using a strong acid solution.
ABA = Acid Base Accounting (modified Sobek method(1996)) - paste pH, NP, total sulphur, sulphate, sulphide, total carbon, total inorganic carbon, and carbonate
SFE = Shake Flask Extraction according to Modified ASTM D3987; 4:1 solution to solid ratio, 24 hour shake (2001)
NAG: Net Acid Generation; sequential addition NAG pH and leachate (AMIRA, 2002)
HCT = Humidity Cell Test



APPENDIX D

QA/QC Table

Appendix D.1
QAQC Results for ABA, WRA and Total Metals
Waste Rock, Ore and Tailing
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Sample ID	Duplicate Description	Borehole ID	Sample Depth (m)		Rock Code	Rock Name	Waste Type	Sample Location	Paste pH	Sample weight g	Final pH	ABA										WRA + ICP									
			From	To								NP t CaCO3/1000 t	AP t CaCO3/1000 t	Sulphur (total) %	Sulphide %	Carbon (total) %	Carbonate %	Aluminum µg/g	Silver µg/g	Arsenic µg/g	Boron µg/g	Barium µg/g	Beryllium µg/g	Bismuth µg/g	Calcium µg/g	Cadmium µg/g	Cobalt µg/g	Chromium µg/g			
AMQ-ENV-28	Riffle	IVR14-120	92	102	S3C	Greywacke	Waste	OP	8.3	2.08	2.35	21	15.3	0.559	0.49	0.045	0.17	20000	0.18	90	6	76	0.47	0.16	2300	0.08	9.9	25			
AMQ-ENV-28		IVR14-120	92	102	S3C	Greywacke	Waste	OP	6.41	2.01	2.16	16	35	1.13	1.12	0.085	0.25	17000	0.29	170	3	52	0.41	0.3	2300	0.11	14	33			
Number of Parameters exceeding criteria*:					16																										
AMQ-ENV-28	Riffle	IVR14-120	92	102	S3C	Greywacke	Waste	OP	7.17	2.01	2.46	21	18.1	0.59	0.58	0.055	0.305	18000	0.17	81	4	60	0.38	< 0.09	2300	0.08	8.5	23			
AMQ-ENV-28		IVR14-120	92	102	S3C	Greywacke	Waste	OP	6.59	2.08	2.31	19	39.7	1.4	1.27	0.067	0.295	16000	0.37	180	3	45	0.38	0.57	2200	0.12	13	48			
Number of Parameters exceeding criteria*:					14																										
AMQ-ENV-62	Riffle	IVR14-092	69.3	79.5	0b	Ultramafic	Waste	OP	-	-	-	-	-	-	-	-	-	29000	0.05	210	< 1	570	0.45	< 0.09	46000	0.24	35	680			
AMQ-ENV-62		IVR14-092	69.3	79.5	0b	Ultramafic	Waste	OP	-	-	-	-	-	-	-	-	-	-	31000	0.04	180	1	650	0.5	< 0.09	48000	0.23	36	770		
Number of Parameters exceeding criteria*:					3																										
AMQ-ENV15-142	Riffle	AMQ15-481-03	254	259	Ore	Ore	Waste	OP	9.78	2.02	2.24	51	12.2	0.715	0.39	0.561	2.88	15000	0.14	18	4	68	0.38	0.22	20000	0.13	12	18			
AMQ-ENV15-142		AMQ15-481-03	254	259	Ore	Ore	Waste	OP	9.93	2.01	1.88	34	11.6	0.55	0.37	0.418	1.43	15000	0.13	11	4	65	0.4	< 0.09	16000	0.22	8.8	49			
Number of Parameters exceeding criteria*:					11																										
AMQ-ENV-40	Riffle	IVR14-118	14	23.2	S3C	Greywacke	Waste	OP	8.42	1.97	2.32	23	43.8	1.37	1.4	0.298	1.01	12000	0.27	290	4	45	0.29	< 0.09	4700	0.04	6.9	12			
AMQ-ENV-40		IVR14-118	14	23.2	S3C	Greywacke	Waste	OP	8.78	2.04	2.32	18	36.9	1.42	1.18	0.518	1.43	7300	0.64	110	6	32	1.4	4400	0.32	6.4	60				
Number of Parameters exceeding criteria*:					16																										
AMQ-ENV-40	Riffle	IVR14-118	14	23.2	S3C	Greywacke	Waste	OP	9.29	1.98	2.3	21	35.6	1.32	1.14	0.292	0.934	12000	0.23	280	5	49	0.34	0.22	4800	0.04	7.3	15			
AMQ-ENV-40		IVR14-118	14	23.2	S3C	Greywacke	Waste	OP	8.84	1.99	2.14	20	36.2	1.29	1.16	0.392	1.19	12000	0.19	120	5	48	0.36	0.18	4200	0.06	5.8	58			
Number of Parameters exceeding criteria*:					8																										
AMQ-ENV-20	Riffle	IVR14-114	190	199.1	S3C	Greywacke	Waste	OP	9.98	2	2.69	30	1.56	0.154	0.05	0.103	0.46	21000	0.11	33	4	120	0.18	0.14	6200	0.11	14	38			
AMQ-ENV-20		IVR14-114	190	199.1	S3C	Greywacke	Waste	OP	9.94	1.91	2.31	23	2.81	0.208	0.09	0.078	0.325	17000	0.17	27	3	110	0.18	0.14	4700	0.09	14	42			
Number of Parameters exceeding criteria*:					5																										
AMQ-ENV-29	Riffle	IVR14-120	33	42.1	S3C	Greywacke	Waste	OP	8.51	2.04	2.34	27	93.4	3.07	2.99	0.701	1.15	8700	0.36	97	3	28	0.48	0.18	6300	0.03	4.1	7.1			
AMQ-ENV-29		IVR14-120	33	42.1	S3C	Greywacke	Waste	OP	7.71	2.02	2.12	18	91.2	2.96	2.92	1.14	1.21	10000	0.4	120	3	27	0.5	0.16	3400	0.06	4.9	41			
Number of Parameters exceeding criteria*:					15																										
AMQ-ENV-53	Riffle	IVR14-084	150	160.5	S3C	Greywacke	Waste	OP	9.66	1.98	2.18	33	10.9	0.702	0.35	0.401	1.65	7700	0.17	66	5	74	0.27	0.31	9600	0.3	7.7	6.4			
AMQ-ENV-53		IVR14-084	150	160.5	S3C	Greywacke	Waste	OP	9.83	2.03	2.44	38	10.9	0.616	0.35	0.39	1.01	7400	0.14	68	5	100	0.31	0.39	9200	0.31	7.7	53			
Number of Parameters exceeding criteria*:					6																										
AMQ-ENV15-097	Riffle	IVR14-091	190	200	S3C	Greywacke	Waste	OP	9.98	1.99	2.22	35	3.44	0.296	0.11	0.294	1.48	12000	0.17	65	5	73	0.32	0.3	12000	0.26	8.1	11			
AMQ-ENV15-097		IVR14-091	190	200	S3C	Greywacke	Waste	OP	9.9	1.92	1.57	20	3.75	0.362	0.12	0.151	0.38	14000	0.21	53	6	100	0.45	0.4	6400	0.43	7.3	95			
Number of Parameters exceeding criteria*:					15																										
AMQ-ENV15-025	Riffle	IVR14-141	139	148	S3C	Greywacke	Waste	OP	9.56	2.06	1.74	40	48.1	1.9	1.54	1.14	1.84	18000	0.23	170	5	23	1.1	0.23	13000	0.05	4.4	9.5			
AMQ-ENV15-025		IVR14-141	139	148	S3C	Greywacke	Waste	OP	9.71	2.06	1.73	65	32.2	1.94	1.03	4.29	1.03	7300	0.16	88	3	14	1.4	0.32	26000	0.26	3	6.5			
Number of Parameters exceeding criteria*:					27																										
AMQ-ENV-53	Riffle	IVR14-084	150	160.5	S3C	Greywacke	Waste	OP	9.66	1.98	2.18	33	10.9	0.702	0.35	0.401	1.65	7700	0.17	66	5	74	0.27	0.31	9600	0.3	7.7	6.4			
AMQ-ENV-53		IVR14-084	150	160.5	S3C	Greywacke	Waste	OP	9.83	2.03	2.44	38	10.9	0.616	0.35	0.39	1.01	7400	0.14	68	5	100	0.31	0.39	9200	0.31	7.7	53			
Number of Parameters exceeding criteria*:					6																										
AMQ-ENV15-056	Riffle	IVR14-148	37	47	S10	Chert	Waste	OP	9.47	2.02	2.2	17	7.19	0.348	0.23	0.097	0.54	18000	0.14	32	4	76	0.19	0.23	5200	0.06	14	24			
AMQ-ENV15-056		IVR14-148	37	47	S10	Chert	Waste	OP	9.43	1.95	1.82	13	7.5	0.324	0.24	0.081	0.2	18000	0.21	41	6	100	0.29	0.32	4900	0.09	13	43			
Number of Parameters exceeding criteria*:					12																										
AMQ-ENV15-027	Riffle	AMQ15-164	45	55	S9E	Iron Formation	Waste	OP	-	-	-	-	-	-	-	-	-	15000	0.34	1400	3	50	0.11	0.19	13000	0.03	84	1100			
AMQ-ENV15-027		AMQ15-164	45	55	S9E	Iron Formation	Waste	OP	-	-	-	-	-	-	-	-	-	-	15000	1.1	1400	2	59	0.12	0.26	14000	0.03	73	1090		
Number of Parameters exceeding criteria*:					7																										
AMQ-ENV-47	Riffle	IVR14-016	130	140	S9E	Iron Formation	Waste	OP	-	-	-	-	-	-	-	-	-	27000	0.44	1000	1	110	0.28	< 0.09	27000	0.07	73	1500			
AMQ-ENV-47		IVR14-016	130	140	S9E	Iron Formation	Waste	OP	-	-	-	-	-	-	-	-	-	-	26000	0.29	1100	1	110	0.29	0.14	26000	0.09	81	1600		
Number of Parameters exceeding criteria*:					4																										
AMQ-ENV-01	Riffle	IVR14-130	10.5	19.8	1b	Mafic Volcanics	Waste	OP	-	-	-	-	-	-	-	-	-	26000	0.29	150	< 1	360	0.69	0.51	38000	0.15	32	760			
AMQ-ENV-01		IVR14-130	10.5	19.8	1b	Mafic Volcanics	Waste	OP	-	-	-	-	-	-	-	-	-	-	27000	0.1	140	< 1	340	0.74	< 0.09	42000	0.12	37	710		
Number of Parameters exceeding criteria*:					3																										
AMQ-ENV-70	Riffle	IVR14-015	82.6	93	0a	Ultramafic	Waste	OP	-	-	-	-	-	-	-	-	-	16000	0.11	550	3	6.6	0.07	< 0.09	24000	0.02	60	870			
AMQ-ENV-70		IVR14-015	82.6	93	0a	Ultramafic	Waste	OP	-	-	-	-	-	-	-	-	-	-	18000	0.07	540	2	6.3	0.08	< 0.09	25000	0.02	59	960		
Number of Parameters exceeding criteria*:					6																										
AMQ-ENV-49	Riffle	IVR14-016	106.5	115.5	0a	Ultramafic	Waste	OP	-	-	-	-	-	-	-	-	-	28000	0.19	560	< 1	41	0.2	< 0.09	42000	0.11	63	1400			
AMQ-ENV-49		IVR14-016	106.5	115.5	0a	Ultramafic	Waste	OP	-	-	-	-	-	-	-	-	-	-	35000	0.24	660	< 1	46	0.25	0.14	56000	0.11	74	1600		
Number of Parameters exceeding criteria*:					2																										
AMQ-ENV-40	Duplicate	IVR14-118	14	23.2	S3C	Greywacke	Waste	OP	9.29	1.98	2.3	21	35.6	1.32	1.14	0.292	0.934	12000	0.23	280	5	49	0.34	0.22	4800	0.04	7.3	15			
AMQ-ENV-40		IVR14-118	14	23.2	S3C	Greywacke	Waste	OP	8.42	1.97	2.32	23	43.8	1.37	1.4	0.298	1.01	12000	0.27	290	4	45	0.29	< 0.09	4700	0.04	6.9	12			
Number of Parameters exceeding criteria*:					1																										
AMQ-ENV-28	Duplicate	IVR14-120	92	102	S3C	Greywacke	Waste	OP	8.3	2.08	2.35	21	15.3	0.559	0.49	0.045	0.17	20000	0.18	90	6	76	0.47	0.16	2300	0.08	9.9	25			
AMQ-ENV-28		IVR14-120	92	102	S3C	Greywacke	Waste	OP	7.17	2.01	2.46	21	18.1	0.59	0.58	0.055	0.305	18000	0.17	81	4	60	0.38	< 0.09	2300	0.08	8.5	23			
Number of Parameters exceeding criteria*:					6																										

Note: *RPD Criteria for ABA, Bulk Metals and WRA analysis is 35%

Appendix D.1
QAQC Results for ABA, WRA and Total Metals
Waste Rock, Ore and Tailing
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

WRA + ICP																														
Sample ID	Duplicate Description	Borehole ID	Sample Depth (m)		Rock Code	Rock Name	Waste Type	Sample Location	Copper	Iron	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Silicon	Tin	Strontium	Titanium	Thallium	Uranium	Vanadium	Zinc	
			From	To					µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
AMQ-ENV-28		IVR14-120	92	102	S3C	Greywacke	Waste	OP	21	46000	7800	19	10000	760	2.6	560	22	640	9	< 0.8	< 0.7	9200	< 0.5	8.6	890	0.66	2.8	29	54	
AMQ-ENV-28	Riffle	IVR14-120	92	102	S3C	Greywacke	Waste	OP	29	48000	7100	16	9300	780	2.6	380	24	650	12	0.9	< 0.7	5400	< 0.5	6.9	750	0.64	2.7	26	52	
RPD									32%	4%	9%	17%	7%	3%	0%	38%	9%	2%	29%	-	-	52%	-	22%	17%	3%	4%	11%	4%	
Number of Parameters exceeding criteria*:									16																					
AMQ-ENV-28		IVR14-120	92	102	S3C	Greywacke	Waste	OP	20	43000	7500	15	9400	750	2.3	280	19	600	8.2	< 0.8	< 0.7	1500	< 0.5	6.8	870	0.59	2.2	26	49	
AMQ-ENV-28	Riffle	IVR14-120	92	102	S3C	Greywacke	Waste	OP	27	50000	6500	14	8800	810	5.1	160	27	600	13	0.9	< 0.7	1200	< 0.5	5.1	810	0.58	2.3	26	53	
RPD									30%	15%	14%	7%	7%	8%	76%	55%	35%	0%	45%	-	-	22%	-	29%	7%	2%	4%	0%	8%	
Number of Parameters exceeding criteria*:									14																					
AMQ-ENV-62		IVR14-092	69.3	79.5	0b	Ultramafic	Waste	OP	22	51000	20000	13	45000	950	0.4	390	290	930	4.3	< 0.8	< 0.7	14000	< 0.5	290	1800	0.54	0.52	86	53	
AMQ-ENV-62	Riffle	IVR14-092	69.3	79.5	0b	Ultramafic	Waste	OP	24	55000	20000	15	48000	1000	0.4	160	310	1100	6.3	< 0.8	< 0.7	1400	< 0.5	340	2000	0.54	0.63	95	62	
RPD									9%	8%	0%	14%	6%	5%	0%	84%	7%	17%	38%	-	-	164%	-	16%	11%	0%	19%	10%	16%	
Number of Parameters exceeding criteria*:									3																					
AMQ-ENV15-142		AMQ15-481-03	254	259	Ore	Ore	Waste	OP	20	32000	6700	9	7400	690	1	770	23	920	15	< 0.8	< 0.7	12000	< 0.5	48	500	0.37	3.4	20	44	
AMQ-ENV15-142	Riffle	AMQ15-481-03	254	259	Ore	Ore	Waste	OP	20	34000	6600	12	8500	630	1.3	400	19	970	15	< 0.8	< 0.7	3600	< 0.5	43	570	0.44	4	19	51	
RPD									0%	6%	2%	29%	14%	9%	26%	63%	19%	5%	0%	-	-	108%	-	11%	13%	17%	16%	5%	15%	
Number of Parameters exceeding criteria*:									11																					
AMQ-ENV-40		IVR14-118	14	23.2	S3C	Greywacke	Waste	OP	19	55000	6100	7	5700	1100	1.2	120	17	360	3.5	< 0.8	< 0.7	1600	< 0.5	6.8	370	0.23	0.56	11	33	
AMQ-ENV-40	Riffle	IVR14-118	14	23.2	S3C	Greywacke	Waste	OP	29	43000	4400	6	4000	760	2.7	46	24	430	24	< 0.8	< 0.7	905	< 0.5	6.8	280	0.19	0.55	8	45	
RPD									42%	24%	32%	15%	35%	37%	77%	89%	34%	18%	149%	-	-	55%	-	0%	28%	19%	2%	32%	31%	
Number of Parameters exceeding criteria*:									16																					
AMQ-ENV-40		IVR14-118	14	23.2	S3C	Greywacke	Waste	OP	20	57000	5700	8	6000	1100	1.3	170	20	380	3.6	0.8	< 0.7	11000	< 0.5	7.9	360	0.24	0.61	11	36	
AMQ-ENV-40	Riffle	IVR14-118	14	23.2	S3C	Greywacke	Waste	OP	18	53000	6300	9	6100	930	3.5	75	21	570	4.4	< 0.8	< 0.7	5400	< 0.5	8.3	460	0.34	0.7	11	44	
RPD									11%	7%	10%	12%	2%	17%	92%	78%	5%	40%	20%	-	-	68%	-	5%	24%	34%	14%	0%	20%	
Number of Parameters exceeding criteria*:									8																					
AMQ-ENV-20		IVR14-114	190	199.1	S3C	Greywacke	Waste	OP	32	33000	12000	18	11000	570	2.4	820	32	670	9.2	< 0.8	< 0.7	11000	< 0.5	22	1100	0.63	2	38	75	
AMQ-ENV-20	Riffle	IVR14-114	190	199.1	S3C	Greywacke	Waste	OP	33	30000	11000	17	9700	510	2.4	830	33	580	13	< 0.8	< 0.7	7100	< 0.5	21	1000	0.66	2.5	32	70	
RPD									3%	10%	9%	6%	13%	11%	0%	1%	3%	14%	34%	-	-	43%	-	5%	10%	5%	22%	17%	7%	
Number of Parameters exceeding criteria*:									5																					
AMQ-ENV-29		IVR14-120	33	42.1	S3C	Greywacke	Waste	OP	7.5	65000	4900	6	5000	1200	1.1	170	28	360	5.1	1.3	< 0.7	14000	< 0.5	8.7	270	0.18	0.38	9	17	
AMQ-ENV-29	Riffle	IVR14-120	33	42.1	S3C	Greywacke	Waste	OP	12	65000	4900	8	5700	1100	1.7	130	35	380	4.4	1	0.7	7500	< 0.5	4.9	340	0.21	0.48	12	21	
RPD									46%	0%	0%	29%	13%	9%	43%	27%	22%	5%	15%	26%	-	-	60%	-	56%	23%	15%	23%	29%	21%
Number of Parameters exceeding criteria*:									15																					
AMQ-ENV-53		IVR14-084	150	160.5	S3C	Greywacke	Waste	OP	20	18000	5000	5	2900	410	2.2	860	16	400	11	< 0.8	< 0.7	9000	< 0.5	19	270	0.24	2.5	5	85	
AMQ-ENV-53	Riffle	IVR14-084	150	160.5	S3C	Greywacke	Waste	OP	20	19000	4400	6	3100	440	3.7	440	20	460	11	< 0.8	< 0.7	1100	< 0.5	20	320	0.21	2.6	7	96	
RPD									0%	5%	13%	18%	7%	7%	51%	65%	22%	14%	0%	-	-	156%	-	5%	17%	13%	4%	33%	12%	
Number of Parameters exceeding criteria*:									6																					
AMQ-ENV15-097		IVR14-091	190	200	S3C	Greywacke	Waste	OP	20	23000	9000	10	6500	460	2.1	490	16	920	12	< 0.8	< 0.7	7500	< 0.5	20	630	0.44	2.4	14	44	
AMQ-ENV15-097	Riffle	IVR14-091	190	200	S3C	Greywacke	Waste	OP	25	26000	10000	13	7500	410	5.9	750	21	440	19	< 0.8	< 0.7	7600	< 0.5	20	760	0.51	2.7	15	63	
RPD									22%	12%	11%	26%	14%	11%	95%	42%	27%	71%	45%	-	-	1%	-	0%	19%	15%	12%	7%	36%	
Number of Parameters exceeding criteria*:									15																					
AMQ-ENV15-025		IVR14-141	139	148	S3C	Greywacke	Waste	OP	40	85000	6500	10	8400	650	45	400	39	530	2.9	< 0.8	< 0.7	12000	0.6	18	390	0.23	2.4	15	34	
AMQ-ENV15-025	Riffle	IVR14-141	139	148	S3C	Greywacke	Waste	OP	16	64000	5200	4	5900	870	2.3	350	8.6	500	2.5	< 0.8	< 0.7	7100	< 0.5	38	170	0.11	0.59	8	15	
RPD									86%	28%	22%	86%	35%	29%	181%	13%	128%	6%	15%	-	-	51%	-	71%	79%	71%	121%	61%	78%	
Number of Parameters exceeding criteria*:									27																					
AMQ-ENV-53		IVR14-084	150	160.5	S3C	Greywacke	Waste	OP	20	18000	5000	5	2900	410	2.2	860	16	400	11	< 0.8	< 0.7	9000	< 0.5	19	270	0.24	2.5	5	85	
AMQ-ENV-53	Riffle	IVR14-084	150	160.5	S3C	Greywacke	Waste	OP	20	19000	4400	6	3100	440	3.7	440	20	460	11	< 0.8	< 0.7	1100	< 0.5	20	320	0.21	2.6	7	96	
RPD									0%	5%	13%	18%	7%	7%	51%	65%	22%	14%	0%	-	-	156%	-	5%	17%	13%	4%	33%	12%	
Number of Parameters exceeding criteria*:									6																					
AMQ-ENV15-056		IVR14-148	37	47	S10	Chert	Waste	OP	35	34000	5700	15	9300	480	4.8	890	30	640	9.9	< 0.8	< 0.7	10000	< 0.5	9.4	530	0.36	2.4	22	63	
AMQ-ENV15-056	Riffle	IVR14-148	37	47	S10	Chert																								

Note: *RPD Criteria for ABA, Bulk Metals and WRA analysis is 35%

Appendix D.2
QAQC Results for SFE
Waste Rock, Ore and Tailing
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

								SFE																								
Sample ID	Duplicate Description	Borehole ID	Sample Depth (m)		Rock Code	Rock Name	Waste Type	Sample Location	Final pH	Alkalinity mg/L as CaCO3	Conductivity μS/cm	Fluoride mg/L	Chloride mg/L	Sulphate mg/L	Phosphorus (total reactive) mg/L	Mercury mg/L	Silver mg/L	Aluminum mg/L	Arsenic mg/L	Barium mg/L	Boron mg/L	Beryllium mg/L	Bismuth mg/L	Calcium mg/L	Cadmium mg/L	Cobalt mg/L	Chromium mg/L	Copper mg/L	Iron mg/L	Potassium mg/L		
			From	To																												
AMQ-ENV-20	Riffle	IVR14-114	190	199.1	S3C	Greywacke	Waste	OP	9.76	41	81	0.18	< 2	< 2	0.03	< 0.00001	< 0.000002	2.25	0.0596	0.0181	0.0573	0.000015	0.000017	1.88	< 0.000003	0.0000214	0.0012	0.0004	0.345	8.15		
AMQ-ENV-20		IVR14-114	190	199.1	S3C	Greywacke	Waste	OP	9.82	42	86	0.21	1	2	< 0.03	< 0.00001	< 0.000002	1.63	0.0475	0.00672	0.046	0.000008	< 0.000007	1.67	0.000003	0.000092	0.00043	0.00021	0.23	9.72		
								RPD	1%	2%	6%	15%	-	-	-	-	-	32%	23%	92%	22%	61%	-	12%	-	80%	94%	62%	40%	18%		
								Number of Parameters exceeding criteria*:		19																						
AMQ-ENV-29	Riffle	IVR14-120	33	42.1	S3C	Greywacke	Waste	OP	8	64	327	0.09	< 2	43	< 0.03	< 0.00001	0.000043	0.02	0.0052	0.00707	0.0125	< 0.000007	0.000011	29.8	< 0.000003	0.000047	< 0.00003	0.00022	0.005	30.7		
AMQ-ENV-29		IVR14-120	33	42.1	S3C	Greywacke	Waste	OP	7.86	83	503	0.17	39	110	< 0.03	< 0.00001	0.00003	0.007	0.005	0.0205	0.057	< 0.000007	< 0.000007	44.2	0.000005	< 0.000004	0.00012	0.00065	0.008	55.2		
								RPD	2%	26%	42%	62%	-	88%	-	-	36%	96%	4%	97%	128%	-	-	39%	-	-	-	99%	46%	57%		
								Number of Parameters exceeding criteria*:		24																						
AMQ-ENV15-049	Riffle	IVR14-141	13	22	S3S	Greywacke	Waste	OP	9.97	46	101	0.16	1	1	0.03	0.00001	0.000002	0.077	0.0045	0.0123	0.0219	0.000007	0.000007	4.42	0.000003	0.000091	0.0011	0.00012	0.068	10.4		
AMQ-ENV15-049		IVR14-141	13	22	S3S	Greywacke	Waste	OP	9.98	48	104	0.18	1	1	0.03	0.00001	0.000002	0.075	0.007	0.0102	0.0168	0.000007	0.000007	3.91	0.000003	0.000092	0.00119	0.00025	0.072	11.5		
								RPD	0%	4%	3%	12%	0%	0%	0%	0%	3%	43%	19%	26%	0%	0%	12%	0%	1%	8%	70%	6%	10%			
								Number of Parameters exceeding criteria*:		6																						
AMQ-ENV15-027	Riffle	AMQ15-164	45	55	S9E	Iron Formation	Waste	OP	8.93	77	165	0.08	20	7	-	< 0.00001	0.000027	0.122	5.38	0.00401	0.016	< 0.000007	0.000007	13.4	0.000004	0.000161	0.00045	0.00027	0.011	21.2		
AMQ-ENV15-027		AMQ15-164	45	55	S9E	Iron Formation	Waste	OP	9.44	28	94	0.1	9	< 1	-	< 0.00001	0.00001	0.334	1.43	0.00327	0.0066	< 0.000007	< 0.000007	7.14	< 0.000003	0.000053	0.00036	0.00014	0.031	12.7		
								RPD	6%	93%	55%	22%	76%	-	-	-	92%	93%	116%	20%	83%	-	-	61%	-	101%	22%	63%	95%	50%		
								Number of Parameters exceeding criteria*:		26																						
AMQ-ENV-47	Riffle	IVR14-016	130	140	S9E	Iron Formation	Waste	OP	9.14	55	188	0.09	7	8	-	< 0.00001	< 0.000002	0.028	7.49	0.00796	0.015	< 0.000007	< 0.000007	6.58	< 0.000003	0.000077	0.0077	0.00026	< 0.007	40.5		
AMQ-ENV-47		IVR14-016	130	140	S9E	Iron Formation	Waste	OP	9.34	53	168	0.1	< 2	12	-	< 0.00001	0.000002	0.0412	7.11	0.00824	0.0252	< 0.000007	< 0.000007	5.47	< 0.000003	0.000052	0.0127	0.00012	0.008	40		
								RPD	2%	4%	11%	11%	-	40%	-	-	-	38%	5%	3%	51%	-	-	18%	-	39%	49%	74%	-	1%		
								Number of Parameters exceeding criteria*:		15																						
AMQ-ENV-01	Riffle	IVR14-130	10.5	19.8	1b	Mafic Volcanics	Waste	OP	9.2	40	222	0.1	2	41	-	< 0.00001	< 0.000002	0.045	0.694	0.0822	0.011	< 0.000007	< 0.000007	12.6	< 0.000003	0.000071	0.00026	0.00034	< 0.007	35.4		
AMQ-ENV-01		IVR14-130	10.5	19.8	1b	Mafic Volcanics	Waste	OP	9.26	41	205	0.09	< 2	50	-	< 0.00001	< 0.000002	0.02	0.848	0.0905	0.0164	< 0.000007	< 0.000007	12.2	< 0.000003	0.000129	0.00035	0.00014	< 0.002	30.4		
								RPD	1%	2%	8%	11%	-	20%	-	-	-	77%	20%	10%	39%	-	-	3%	-	58%	30%	83%	-	15%		
								Number of Parameters exceeding criteria*:		9																						
AMQ-ENV-70	Riffle	IVR14-015	82.6	93	0a	Ultramafic	Waste	OP	9.19	34	168	0.07	7	24	-	< 0.00001	< 0.000002	0.017	3.29	0.00682	0.018	< 0.000007	< 0.000007	11.6	< 0.000003	0.000037	0.00035	0.0003	< 0.007	13.7		
AMQ-ENV-70		IVR14-015	82.6	93	0a	Ultramafic	Waste	OP	9.38	38	130	0.09	6.6	13	-	< 0.00001	< 0.000002	0.0185	2.41	0.00509	0.0261	< 0.000007	< 0.000007	7.54	< 0.000003	0.000024	0.00055	0.00019	< 0.007	17.2		
								RPD	2%	11%	26%	25%	6%	59%	-	-	-	8%	31%	29%	37%	-	-	42%	-	43%	44%	45%	-	23%		
								Number of Parameters exceeding criteria*:		20																						
AMQ-ENV-62	Riffle	IVR14-092	69.3	79.5	0b	Ultramafic	Waste	OP	9.49	91	149	0.16	3	3	-	0.00002	< 0.000002	0.101	0.456	0.0344	0.011	< 0.000007	< 0.000007	3.47	< 0.000003	0.000044	0.00044	0.00054	< 0.007	33.5		
AMQ-ENV-62		IVR14-092	69.3	79.5	0b	Ultramafic	Waste	OP	9.63	62	138	0.19	3	3	-	< 0.00001	0.000002	0.133	0.375	0.0291	0.0209	< 0.000007	< 0.000007	2.84	< 0.000003	0.000048	0.00066	0.00025	< 0.007	33.9		
								RPD	1%	38%	8%	17%	0%	0%	-	-	-	27%	19%	17%	62%	-	-	20%	-	9%	40%	73%	-	1%		
								Number of Parameters exceeding criteria*:		13																						
AMQ-ENV-28	Duplicate	IVR14-120	92	102	S3C	Greywacke	Waste	OP	6.58	3	130	0.06	< 2	44	< 0.03	< 0.00001	0.00001	< 0.01	0.0309	0.00844	0.0156	0.000007	< 0.000007	3.25	0.000074	0.00781	< 0.00003	0.00027	0.007	15.1		
AMQ-ENV-28		IVR14-120	92	102	S3C	Greywacke	Waste	OP	6.89	15	200	0.12	3	63	< 0.03	< 0.00001	< 0.000002	0.006	0.0241	0.0118	0.051	< 0.000007	< 0.000007	4.99	0.00003	0.00724	0.00009	0.00008	< 0.007	18.9		
								RPD	5%	133%	42%	67%	-	36%	-	-	-	25%	33%	106%	33%	-	-	42%	-	85%	8%	-	109%	-	22%	
								Number of Parameters exceeding criteria*:		18																						
AMQ-ENV15-009	Duplicate	AMQ15-232	92	102	S3C	Greywacke	Waste	OP	9.02	38	143	0.12	22	1	0.03	0.00001	0.000009	0.088	0.122	0.00164	0.0212	0.000007	0.000019	8.94	0.000003	0.000032	0.00004	0.00016	0.026	10.1		
AMQ-ENV15-009		AMQ15-232	92	102	S3C	Greywacke	Waste	OP	9.02	38	143	0.1	23	1	0.03	0.00001	0.000189	0.055	0.171	0.00175	0.0169	0.000007	0.000045	9.7	0.000003	0.000059	0.00003	0.00012	0.027	8.9		
								RPD	0%	0%	0%	18%	4%	0%	0%	0%	182%	46%	33%	6%	23%	0%	81%	8%	0%	59%	29%	29%	4%	13%		
								Number of Parameters exceeding criteria*:		15																						
AMQ-ENV-40	Duplicate	IVR14-118	14	23.2	S3C	Greywacke	Waste	OP	8.48	41	154	0.1	< 2	10	< 0.03	< 0.00001	0.000008	0.09	0.0074	0.00518	0.0156	< 0.000007	< 0.000007	14.7	< 0.000003	0.000034	< 0.00003	0.00023	0.059	14.6		
AMQ-ENV-40		IVR14-118	14	23.2	S3C	Greywacke	Waste	OP	8.43	54	223	0.27	20	27	< 0.03	< 0.00001	0.00001	0.031	0.007	0.0112	0.0058	< 0.000007	< 0.000007	16.4	0.000004	< 0.000004	0.00014	0.00012	0.051	21		
								RPD	1%	27%	37%	92%	-	92%	-	-	22%	98%	6%	74%	115%	-	-	11%	-	-	-	63%	15%	36%		
								Number of Parameters exceeding criteria*:		20																						
AMQ-ENV15-058	Duplicate	IVR14-147	35	45	S10	Chert	Waste	OP	8.18	58	246	0.19	26	30	0.03	0.00001	0.000024	0.052	0.0121	0.0159	0.028	0.000007	0.000018	19.7	0.000003	0.000062	0.00006	0.00006	0.00021	0.042	23	
AMQ-ENV15-058		IVR14-147	35	45	S10	Chert	Waste	OP	8.23	54	239	0.2	26	27	0.03	0.00001	0.000029	0.06	0.0117	0.0154	0.0305	0.000007	0.000018	18.3	0.000004	0.000069	0.00001	0.00011	0.042	22.6		
								RPD	1%	7%	3%	5%	0%	11%	0%	0%	19%	14%	3%	3%	9%	0%	0%	7%	29%	11%	50%	63%	0%	2%		
								Number of Parameters exceeding criteria*:		9																						
AMQ-ENV15-061	Duplicate	IVR14-145	242	251	S10	Chert	Waste	OP	9.75	42	90	0.21	1	1	0.03	0.00001	0.000002	0.944	0.0145	0.00624	0.0209	0.000007	0.000007	3.29	0.000003	0.000092	0.00016	0.00105	0.183	5.52		
AMQ-ENV15-061		IVR14-145	242	251	S10	Chert	Waste	OP	9.73	41	89	0.22	2	1	0.03	0.00001	0.000002	0.983	0.0267	0.00645	0.021	0.000007	0.000007	3.34	0.000003	0.000108	0.00013	0.00019	0.193	5.6		
								RPD	0%	2%	1%	5%	67%	0%	0%	0%	4%	59%	3%	0%	0%	0%	2%	0%	16%	21%	139%	5%	1%			
								Number of Parameters exceeding criteria*:		5																						
AMQ-ENV15-086	Duplicate	IVR14-016	130	140	S9E	Iron Formation	Waste	OP	9.78	44	129	0.06	5	2	1.77	0.00001	0.000002	0.04	4.9	0.0103	0.0163	0.000007	0.000007	4.89	0.000003	0.000119	0.00456	0.00041	0.034	28.1		
AMQ-ENV15-086		IVR14-016	130	140	S9E	Iron Formation	Waste	OP	9.78	44	137	0.08	6	3	2.18	0.00001	0.000032	0.039	5.77	0.00988	0.0177	0.000007	0.000007	4.68	0.000003	0.000171	0.00515	0.00019	0.04	29.6		
								RPD	0%	0%	6%	29%	18%	40%	3%	21%	0%	176%	3%	16%	4%	8%	0%	0%	4%	0%	36%	12%	73%	16%	5%	
								Number of Parameters exceeding criteria*:		10																						
AMQ-ENV15-068	Duplicate	IVR14-131	418	428	0a	Ultramafic	Waste	OP	9.78	38	97	0.07	3	1	0.25	0.00001	0.000033	0.048	1.19	0.021	0.0622	0.000007	0.000007	4.64	0.000003	0.000059	0.00066	0.00017	0.008	14.6		
AMQ-ENV15-068		IVR14-131	418	428	0a	Ultramafic	Waste	OP	9.68	38	104	0																				

Appendix D.2
QAQC Results for SFE
Waste Rock, Ore and Tailing
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Sample ID		Duplicate Description	Borehole ID	Sample Depth (m)		Rock Code	Rock Name	Waste Type	Sample Location	SFE																Uranium	Vanadium	Zinc
				From	To					Lithium mg/L	Magnesium mg/L	Manganese mg/L	Molybdenum mg/L	Sodium mg/L	Nickel mg/L	Phosphorus mg/L	Lead mg/L	Antimony mg/L	Selenium mg/L	Silicon mg/L	Tin mg/L	Strontium mg/L	Titanium mg/L	Thallium mg/L				
AMQ-ENV-20			IVR14-114	190	199.1	S3C	Greywacke	Waste	OP	0.00168	0.256	0.0065	0.00032	10.8	0.0007	0.056	0.00036	0.0026	< 0.001	5.99	0.00005	0.006	0.0183	0.000006	0.000692	0.0133	< 0.001	
AMQ-ENV-20	Rifle		IVR14-114	190	199.1	S3C	Greywacke	Waste	OP	0.00204	0.192	0.00434	0.00396	11.6	0.0004	0.037	0.0002	0.0016	0.00007	5.04	0.00007	0.00422	0.0109	< 0.000005	0.000582	0.0116	< 0.002	
									RPD	19%	29%	40%	170%	7%	55%	41%	57%	48%	-	17%	33%	35%	51%	-	17%	14%	-	
									Number of Parameters exceeding criteria*:																19			
AMQ-ENV-29			IVR14-120	33	42.1	S3C	Greywacke	Waste	OP	0.00382	3.19	0.0872	0.00541	1.8	0.0014	0.012	< 0.00001	0.0022	0.001	2.65	0.00003	0.0481	0.0001	0.00001	0.000547	0.00007	< 0.001	
AMQ-ENV-29	Rifle		IVR14-120	33	42.1	S3C	Greywacke	Waste	OP	0.00498	4.58	0.129	0.012	8.92	0.0018	< 0.003	0.00006	0.0017	0.0015	3.54	0.00007	0.067	0.00013	< 0.000005	0.0006	0.00006	< 0.002	
									RPD	26%	36%	39%	76%	133%	25%	-	-	26%	40%	29%	80%	33%	26%	-	9%	15%	-	
									Number of Parameters exceeding criteria*:																24			
AMQ-ENV15-049			IVR14-141	13	22	S3S	Greywacke	Waste	OP	0.000177	0.418	0.00131	0.00062	8.28	0.0003	0.01	0.00002	0.0023	0.00017	10.8	0.00001	0.0241	0.00193	0.000005	0.000024	0.0179	0.002	
AMQ-ENV15-049	Rifle		IVR14-141	13	22	S3S	Greywacke	Waste	OP	0.00018	0.385	0.00139	0.00065	8.72	0.0003	0.011	0.00003	0.0027	0.00004	10.2	0.00001	0.0214	0.00276	0.000005	0.000023	0.0186	0.002	
									RPD	2%	8%	6%	5%	5%	0%	10%	40%	16%	124%	6%	0%	12%	35%	0%	4%	4%	0%	
									Number of Parameters exceeding criteria*:																6			
AMQ-ENV15-027			AMQ15-164	45	55	S9E	Iron Formation	Waste	OP	0.00202	2.37	0.00367	0.00059	1.79	0.013	0.004	0.00002	0.0596	0.0004	4.65	0.00006	0.0231	< 0.00005	< 0.000005	0.000025	0.00893	< 0.002	
AMQ-ENV15-027	Rifle		AMQ15-164	45	55	S9E	Iron Formation	Waste	OP	0.0011	0.792	0.0016	0.00015	0.91	0.0019	< 0.003	< 0.00001	0.0195	0.00008	3	< 0.00001	0.021	0.00024	< 0.000005	0.000008	0.00552	< 0.002	
									RPD	59%	100%	79%	119%	65%	149%	-	-	101%	133%	43%	-	10%	-	-	103%	47%	-	
									Number of Parameters exceeding criteria*:																26			
AMQ-ENV-47			IVR14-016	130	140	S9E	Iron Formation	Waste	OP	0.00154	2.7	0.00065	0.00018	1.59	0.0032	0.01	< 0.00001	0.0403	0.00088	7.76	0.00009	0.0522	0.00013	0.000012	0.00001	0.03239	< 0.002	
AMQ-ENV-47	Rifle		IVR14-016	130	140	S9E	Iron Formation	Waste	OP	0.000901	1.77	0.00043	0.00024	1.62	0.0021	0.011	< 0.00001	0.0528	< 0.001	7.49	0.00002	0.0526	0.00036	< 0.000005	0.000078	0.0384	< 0.001	
									RPD	52%	42%	41%	29%	2%	42%	10%	-	27%	-	4%	127%	1%	94%	-	155%	17%	-	
									Number of Parameters exceeding criteria*:																15			
AMQ-ENV-01			IVR14-130	10.5	19.8	1b	Mafic Volcanics	Waste	OP	0.00115	3.82	0.00094	0.00095	1.76	0.0014	0.016	0.00002	0.0021	0.00014	4.03	0.00015	0.106	< 0.00005	0.000032	0.000055	0.00637	< 0.002	
AMQ-ENV-01	Rifle		IVR14-130	10.5	19.8	1b	Mafic Volcanics	Waste	OP	0.00127	3.87	0.00088	0.00123	1.56	0.0016	< 0.009	< 0.00001	0.0033	< 0.001	4.45	0.00004	0.109	< 0.00005	0.000042	0.000064	0.00614	< 0.001	
									RPD	10%	1%	7%	26%	12%	13%	-	-	44%	-	10%	116%	3%	-	27%	15%	4%	-	
									Number of Parameters exceeding criteria*:																9			
AMQ-ENV-70			IVR14-015	82.6	93	0a	Ultramafic	Waste	OP	0.00013	6.66	0.00037	0.00041	1.2	0.0015	0.005	0.00001	0.0275	0.00042	5.89	0.0001	0.11	< 0.00005	0.000019	0.00001	0.0217	< 0.002	
AMQ-ENV-70	Rifle		IVR14-015	82.6	93	0a	Ultramafic	Waste	OP	0.000098	4.27	0.00025	0.00034	1.09	0.0009	0.006	< 0.00001	0.0357	< 0.001	5.72	0.00006	0.0771	0.0001	0.000008	0.000002	0.0198	< 0.001	
									RPD	28%	44%	39%	19%	10%	50%	18%	-	26%	-	3%	50%	35%	-	81%	133%	9%	-	
									Number of Parameters exceeding criteria*:																20			
AMQ-ENV-62			IVR14-092	69.3	79.5	0b	Ultramafic	Waste	OP	0.000842	1.02	0.00034	0.00069	3.71	0.0006	0.01	0.00003	0.003	0.00014	4.87	0.00022	0.0621	0.00006	0.000022	0.000022	0.0158	< 0.002	
AMQ-ENV-62	Rifle		IVR14-092	69.3	79.5	0b	Ultramafic	Waste	OP	0.000531	0.836	0.00026	0.00088	3.63	0.0007	0.012	< 0.00001	0.0037	< 0.001	4.59	0.00003	0.0599	0.00035	0.000008	0.000008	0.0168	< 0.001	
									RPD	45%	20%	27%	24%	2%	15%	18%	-	21%	-	6%	152%	4%	141%	93%	93%	6%	-	
									Number of Parameters exceeding criteria*:																13			
AMQ-ENV-28			IVR14-120	92	102	S3C	Greywacke	Waste	OP	0.00835	2.26	1.22	0.00009	4.82	0.0349	< 0.009	< 0.00001	0.0007	0.004	4.97	0.00002	0.0183	0.00016	0.000047	0.000019	0.00007	< 0.001	
AMQ-ENV-28	Duplicate		IVR14-120	92	102	S3C	Greywacke	Waste	OP	0.00977	3.91	1.09	0.0011	11.7	0.0464	< 0.003	< 0.00001	0.0006	0.00448	5.85	0.00004	0.0238	0.00045	< 0.000005	0.000018	0.00006	< 0.002	
									RPD	16%	53%	11%	170%	83%	28%	-	-	15%	11%	16%	67%	26%	95%	-	5%	15%	-	
									Number of Parameters exceeding criteria*:																18			
AMQ-ENV15-009			AMQ15-232	92	102	S3C	Greywacke	Waste	OP	0.00145	2.33	0.00398	0.00355	9.09	0.0003	0.003	0.00001	0.003	0.00025	3.61	0.00003	0.0327	0.00029	0.000005	0.000079	0.00032	0.002	
AMQ-ENV15-009	Duplicate		AMQ15-232	92	102	S3C	Greywacke	Waste	OP	0.00137	2.14	0.00535	0.00243	7.56	0.0003	0.003	0.00001	0.0029	0.00004	3.91	0.00001	0.0331	0.00021	0.000005	0.0001	0.00044	0.002	
									RPD	6%	9%	29%	37%	18%	0%	0%	0%	3%	145%	8%	100%	1%	32%	0%	23%	32%	0%	
									Number of Parameters exceeding criteria*:																15			
AMQ-ENV-40			IVR14-118	14	23.2	S3C	Greywacke	Waste	OP	0.00208	2.11	0.0172	0.0004	0.81	0.0004	< 0.009	0.00004	0.0021	< 0.001	3.38	0.00003	0.0172	0.00045	0.000007	0.00013	0.00019	< 0.001	
AMQ-ENV-40	Duplicate		IVR14-118	14	23.2	S3C	Greywacke	Waste	OP	0.0028	2.1	0.00487	0.00702	8.45	0.0003	< 0.003	0.00005	0.0026	0.00024	3.6	0.00005	0.0189	0.0003	< 0.000005	0.00025	0.00019	< 0.002	
									RPD	30%	0%	112%	178%	165%	29%	-	22%	21%	-	6%	50%	9%	40%	-	63%	0%	-	
									Number of Parameters exceeding criteria*:																20			
AMQ-ENV15-058			IVR14-147	35	45	S10	Chert	Waste	OP	0.00733	2.58	0.0113	0.00478	8.44	0.0004	0.003	0.00001	0.002	0.00031	2.77	0.00002	0.0422	0.00042	0.000005	0.001	0.00018	0.002	
AMQ-ENV15-058	Duplicate		IVR14-147	35	45	S10	Chert	Waste	OP	0.00764	2.23	0.00765	0.00561	8.93	0.0005	0.003	0.00002	0.0021	0.00018	2.83	0.00001	0.0375	0.00043	0.000005	0.000092	0.00023	0.002	
									RPD	4%	15%	39%	16%	6%	22%	0%	67%	5%	53%	2%	67%	12%	2%	0%	1%	24%	0%	
									Number of Parameters exceeding criteria*:																9			
AMQ-ENV15-061			IVR14-145	242	251	S10	Chert	Waste	OP	0.000438	0.204	0.00276	0.00027	11.1	0.0002	0.009	0.00013	0.0027	0.00004	4.47	0.00006	0.0102	0.00655	0.000005	0.000488	0.00803	0.002	
AMQ-ENV15-061	Duplicate		IVR14-145	242	251	S10	Chert	Waste	OP	0.000427	0.217	0.00301	0.00023	10.1	0.0002	0.008	0.00015	0.0028	0.00004	4.23	0.00001	0.012	0.00703	0.000005	0.000533	0.00796	0.002	
									RPD	3%	6%	9%	16%	9%	0%	12%	14%	4%	0%	6%	143%	16%	7%	0%	9%	1%	0%	
									Number of Parameters exceeding criteria*:																5			
AMQ-ENV15-086			IVR14-016	130	140	S9E	Iron Formation	Waste	OP	0.00011	0.724	0.0007	0.00008	1.38	0.0016	0.003	0.00002	0.0274	0.00037	12.6	0.00008	0.0456	0.00086	0.000005	0.000002	0.0268	0.002	
AMQ-ENV15-086	Duplicate		IVR14-016	130	140	S9E	Iron Formation	Waste	OP	0.000111	0.788	0.00082	0.00014	1.23	0.0017	0.003	0.00001	0.0305	0.00029	11.7	0.00001	0.0431	0.00101	0.000005	0.000002	0.0287	0.002	
									RPD	1%	8%	16%	55%	11%	6%	0%	67%	11%	24%	7%	156%	6%	16%	0%	0%	7%	0%	
									Number of Parameters exceeding criteria*:																10			
AMQ-ENV15-068			IVR14-131	418	428	0a	Ultramafic	Waste	OP	0.000048	0.968	0.0001	0.00008	2.96	0.0005	0.003	0.00001	0.0264	0.00005	7	0.00001	0.0524	0.00005	0.000005	0.000002	0.012	0.002	
AMQ-ENV15-068	Duplicate		IVR14-131	418	428	0a	Ultramafic	Waste	OP	0.000055	1.19	0.00011	0.00026	2.7	0.0006	0.003	0.00001	0.0298	0.00004	7.15	0.00001	0.0606	0.00005	0.000005	0.000018	0.0111	0.002	
									RPD	14%	21%	10%	106%	9%	18%	0%	0%	12%	22%	2%	0%	15%	0%	0%	160%	8%	0%	
									Number of Parameters exceeding criteria*:																7			
AMQ-ENV-49			IVR14-016	106.5	115.5	0a	Ultramafic	Waste	OP	0.00308	7.78	0.00687	0.00116	75.7	0.0095	0.004	0.00001	0.0556	0.00056	4.05	0.0001	0.132	< 0.00005	< 0.000005	0.00002	0.00815	< 0.002	
AMQ-ENV-49	Duplicate		IVR14-016	106.5	115.5	0a	Ultramafic	Waste	OP	0.0016	2.91	0.00217	0.00107	63.7	0.0037	0.005	< 0.00001	0.0454	< 0.001	3.52	0.00003	0.0543	0.00009	< 0.000005	0.000015	0.0113	< 0.001	



APPENDIX E

Static Test Results



E.1 – Mineralogy

Appendix E.1
Summary of Rietveld Quantitative Analysis X-ray Diffraction Results
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Rock Name: Lithology Code:		AMQ-ENV15-008	AMQ-ENV15-008 Dup	AMQ-ENV15-025	AMQ-ENV15-025 Dup	AMQ-ENV15-107	AMQ-ENV15-107 Dup	AMQ-ENV-63	AMQ-ENV-50	AMQ-ENV15-007	AMQ-ENV15-096
		DEC4503-02	DEC4503-03	DEC4503-04	DEC4503-05	DEC4503-06	DEC4503-07	DEC4503-09	DEC4503-08	DEC4503-01	DEC4503-10
		Greywacke								Chert	
<i>Mineral Group</i> Mineral Name	Mineral Formula	wt%	wt%	wt%	wt%	wt%	wt%	wt%	wt%	wt%	wt%
Carbonates											
Siderite	FeCO ₃	-	-	-	-	-	-	-	-	3.1	0.3
Calcite	CaCO ₃	1.0	0.8	6.5	6.5	1.2	1.0	7.2	6.1	5.5	2.7
Ankerite	CaFe(CO ₃) ₂	-	-	-	-	-	-	-	1.2	-	-
Silicates											
Quartz	SiO ₂	73.4	73.0	52.9	51.1	31.5	32.6	21.3	18.0	25.0	46.6
Stilpnomelane	K(Fe ²⁺ , Mg, Fe ³⁺) ₈ (Si, Al) ₁₂ (O, OH) ₂₇ •n(H ₂ O)	0.7	0.9	6.4	6.3	-	-	-	-	3.5	2.0
Chlorite	(Fe, (Mg, Mn), Al)(Si ₃ Al)O ₁₀ (OH) ₈	6.1	6.2	1.7	2.7	10.0	9.8	20.4	26.2	14.8	11.3
Magnesiohornblende	Ca ₂ [Mg ₄ (Al, Fe ³⁺) ₂]Si ₇ AlO ₂₂ (OH) ₂	-	-	2.4	2.5	-	-	-	-	4.1	-
Talc	Mg ₃ Si ₄ O ₁₀ (OH) ₂	-	-	0.8	1.0	-	-	0.4	3.0	5.2	-
Phlogopite	KMg ₃ (AlSi ₃ O ₁₀)(OH)	-	-	2.7	1.8	-	-	-	-	18.1	4.4
Albite	NaAlSi ₃ O ₈	1.5	1.2	-	-	28.2	26.8	24.0	22.3	13.0	3.3
Orthoclase	KAlSi ₃ O ₈	-	-	-	-	1.5	1.8	1.0	1.1	2.7	0.7
Biotite	K(Mg, Fe) ₃ (AlSi ₃ O ₁₀)(OH) ₂	-	-	2.7	3.5	6.0	5.9	17.3	16.4	2.7	13.3
Muscovite	KAl ₂ (AlSi ₃ O ₁₀)(OH) ₂	2.9	3.1	-	-	21.5	22.1	-	-	-	7.5
Almandine	Fe ₃ Al ₂ Si ₃ O ₁₂	3.9	3.9	2.0	2.5	-	-	-	-	-	-
Cumingtonite	(Mg, Fe) ₇ Si ₆ O ₂₂ (OH) ₂	3.2	3.5	14.7	14.9	-	-	-	-	-	2.4
Actinolite	Ca ₂ (Mg, Fe) ₅ Si ₈ O ₂₂ (OH) ₂	1.8	1.9	-	-	-	-	5.2	-	-	-
Diopside	CaMgSi ₂ O ₆	-	-	3.5	3.5	-	-	-	-	-	-
Anorthite	CaAl ₂ Si ₂ O ₈	-	-	-	-	-	-	3.1	5.5	-	2.2
Richterite	Na(CaNa)(Mg, Fe ²⁺) ₅ [Si ₆ O ₂₂](OH) ₂	-	-	-	-	-	-	-	-	-	1.4
Sulphides											
Pyrite	FeS ₂	-	-	-	-	-	-	-	-	2.4	-
Pyrrhotite	Fe _(1-x) S	5.6	5.6	3.7	3.7	-	-	-	-	-	2.1
Sphalerite	ZnS	-	-	-	-	-	-	-	0.2	-	-
TOTAL		100	100	100	100	100	100	100	100	100	100
Selected chemical characteristics											
NAG pH		2.5	2.5	6.9	6.9	6.8	6.8	-	-	4.0	4.0
CaNP (t CaCO ₃ /1000t)		1		30		3.5		57	60	20	14
NP (t CaCO ₃ /1000t)		28		65		15		84	87	50	35
AP (t CaCO ₃ /1000t)		78		61		6.6		2	3	54	38
Total sulphur content (%)		2.5		1.9		0.21		0.07	0.10	1.73	1.21
Carbonate Net Potential Ratio (CaNPR)		0.0		0.5		0.5		27	20	0.4	0.4
Net Potential Ratio (NPR)		0.36		1.1		2.3		40	29	0.92	0.93
ARD potential*		PAG		PAG		PAG		non PAG	non PAG	PAG	PAG

Notes:

*based on MEND 2009

NAG = net acid generation

CaNP = carbonate neutralization potential

NP = neutralization potential

AP = acid potential

ARD = Acid Rock Drainage Potential (per MEND 2009)

Dashes in the X-ray diffraction results indicate that the mineral was not identified by the analyst and not included in the refinement calculation for the sample.

Échantillon AMQ-ENV-31 (référence URSTM : U49307)

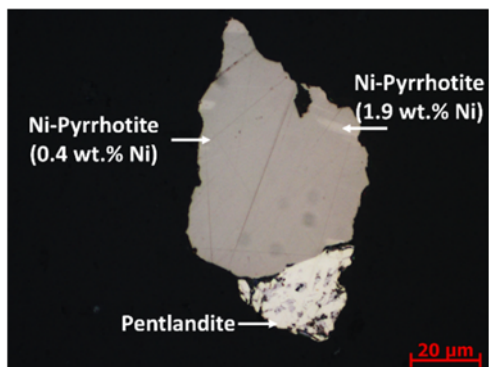
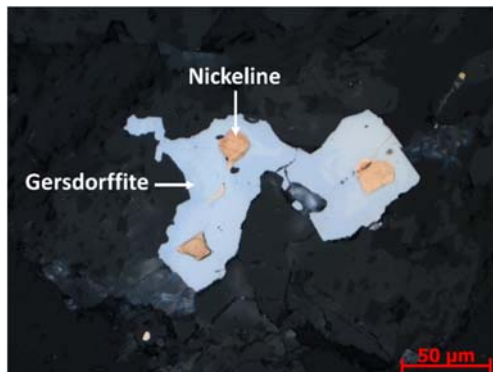
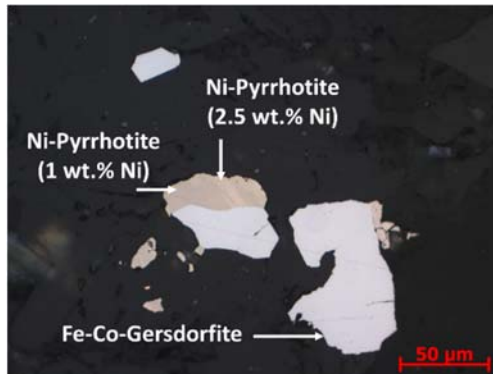
Les minéraux sulfurés sont essentiellement représentés par la pyrrhotite (FeS) et la gersdorffite (NiAsS) avec des traces de pentlandite ((Fe,Ni)₉S₈), pyrite (FeS₂) et de chalcopryrite (CuFeS₂) (*figure 1*). La pyrrhotite contient des traces de Ni. La gersdorffite contient du Fe et du Co. Un seul grain de gersdorffite contenant de la Nickéline (NiAs) a été observé (*figure 1*).

Aucun minéral de gangue silicaté analysé ne contient de l'As. Toutes les microanalyses chimiques des minéraux sulfurés au MEB-EDS sont présentées au *tableau 1*.

**Tableau 1 : Microanalyses chimiques des minéraux sulfurés
au MEB-EDS de l'échantillon AMQ-ENV-31**

	S	Fe	Co	Ni	Cu	As	Sb	Total
Gersdorffite	18.73	6.72	2.42	23.97		48.17		100.01
Gersdorffite	20.63	6.61	3.05	20.49		49.21		99.99
Gersdorffite	21.31	5.33	1.57	18.94		52.85		100
Gersdorffite	20.26	6.85	5.52	17.9		49.48		100.01
Gersdorffite	18.6	5.68	1.2	25.79		48.73		100
Gersdorffite	19.52	7.14	1.8	23.96		47.59		100.01
Gersdorffite	22.68	6.22	2.33	16.39		52.39		100.01
Gersdorffite	21.07	6.05	1.46	18.95		52.48		100.01
Gersdorffite	19.08	7.97	5.03	20.78		47.14		100
Gersdorffite	19.43	5.85	3.44	23.95		47.33		100
Gersdorffite	18.44	5.96		26.37		49.23		100
Gersdorffite	19.84	5.76	2.4	25.08		46.92		100
Gersdorffite	18.91	6.77	1	25.7		47.62		100
Gersdorffite	19.34	7.43	1.44	25.08		46.72		100.01
Gersdorffite	21.69	5.94		19.4		52.97		100
Gersdorffite	22.01	5.65	1.13	17.37		53.84		100
Gersdorffite	20.01	5.86	1.11	22.43		50.57		99.98
Gersdorffite	18.99	5.86	3.24	24.16		47.75		100
Gersdorffite	20.12	1.75		31.84		45.22	1.07	100
Gersdorffite	19.06	7.15	4.76	22.03		47		100
Nickeline				43.17		55.98	0.85	100
Nickeline		0.47		42.32		57.21		100
Nickeline		1.26		29.87		68.86		99.99
Pentlandite	36.54	28.18		35.28				100
Pentlandite	46.1	27.25		26.64				99.99
Pentlandite	42.75	26.91		30.34				100
Pentlandite	47.19	25.66		27.15				100
Pyrite	55.39	42.85		1.76				100
Pyrite	54.72	43.72		1.55				99.99
Pyrite	55.84	44.16						100
Pyrite	55.19	44.81						100
Chalcopryrite	39.43	28.48			32.09			100
Chalcopryrite	38.36	29.46			32.18			100

Microscopie optique



Microscopie électronique

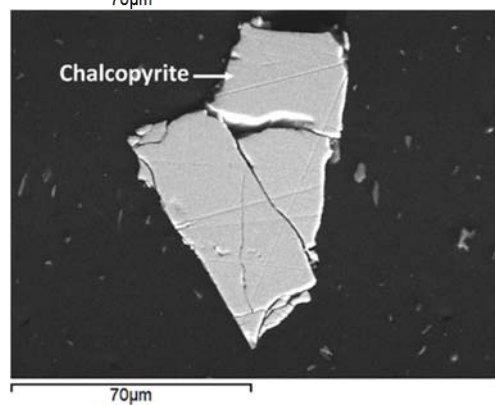
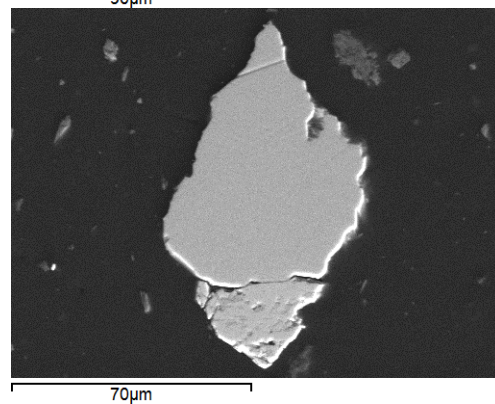
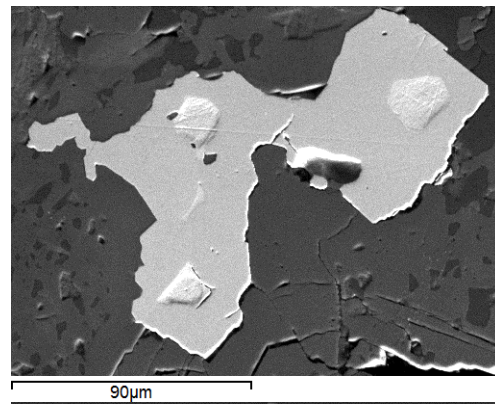
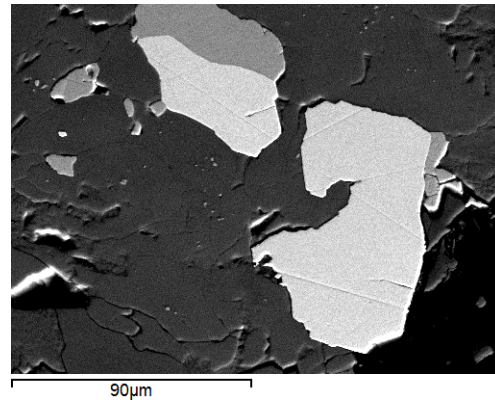


Figure 1 : microphotographies au microscope optique et électronique des minéraux sulfurés dans l'échantillon AMQ-ENV-31

Échantillon AMQ-ENV-125 (référence URSTM : U49309)

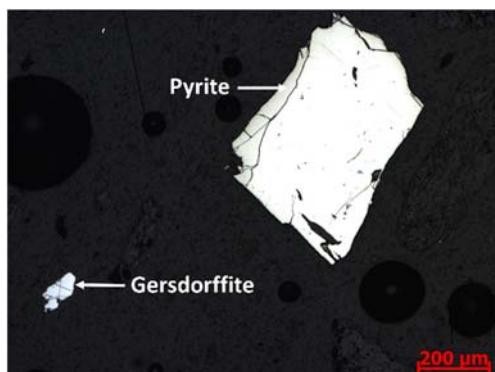
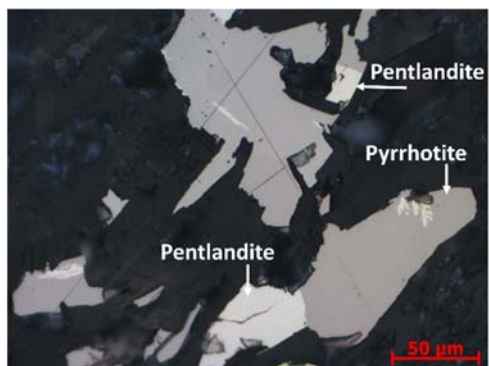
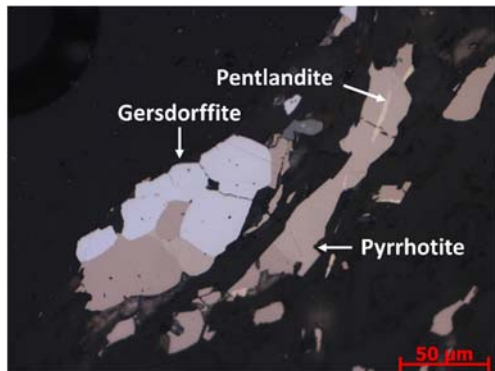
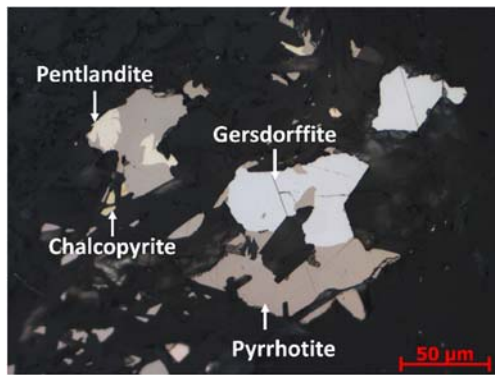
Les minéraux sulfurés sont représentés par la pyrrhotite (FeS), la pyrite (FeS₂) et la gersdorffite (NiAsS) avec des traces de pentlandite ((Fe,Ni)₉S₈) et de chalcopryrite (CuFeS₂) (*figure 2*). Cet échantillon contient plus de pyrite (FeS₂) et moins de gersdorffite (NiAsS) que l'échantillon AMQ-ENV-31.

Aucun minéral de gangue silicaté analysé ne contient de l'As. Toutes les microanalyses chimiques des minéraux sulfurés au MEB-EDS sont présentées au *tableau 2*.

**Tableau 2 : Microanalyses chimiques des minéraux sulfurés
au MEB-EDS de l'échantillon AMQ-ENV-125**

	S	Fe	Co	Ni	As	Cu	Total
Gersdorffite	21.99	6.83	7.87	13.62	49.69		100
Gersdorffite	22.08	10.31	3.43	16.98	47.21		100
Gersdorffite	21.28	8.29	4.73	16.75	48.96		100
Gersdorffite	20.8	9.97	3.85	18.62	46.76		100
Gersdorffite	21.35	6.94	6.23	16.25	49.23		100
Gersdorffite	20.92	5.29	19.81	7.9	46.08		100
Gersdorffite	21.62	11.37		20.42	46.59		100
Gersdorffite	20.18	10.33	2.44	20.27	46.77		100
Gersdorffite	22.47	11.04	3.58	16.18	46.74		100
Gersdorffite	21.09	4.25	22.82	5.95	45.9		100
Gersdorffite	20.47	3.64	24.35	5.66	45.88		100
Gersdorffite	21.33	10.11	2.85	20.27	45.44		100
Gersdorffite	21.01	11.05	1.23	20.55	46.16		100
Gersdorffite	21.74	9.2	2.39	17.47	49.2		100
Gersdorffite	21.55	8.85	3.81	15.6	50.2		100
Gersdorffite	22.45	7.64	7.98	11.93	50.01		100
Gersdorffite	21.78	10.95	4.69	17.46	45.11		100
Pentlandite	39.09	30.09		30.82			100
Pentlandite	36.55	31.19		32.26			100
Pentlandite	38.95	41.25		19.8			100
Pentlandite	39.44	29.63		30.93			100
Pentlandite	36.93	31.82		31.25			100
Pentlandite	42.65	34.77		22.58			100
Pentlandite	39.22	29.68		31.1			100
Pentlandite	38	30.28		31.72			100
Pentlandite	43.73	33.77		22.5			100
Pentlandite	41.16	33.49		25.35			100
Pyrrhotite	42.25	57.75					100
Pyrrhotite	44.97	55.03					100
Pyrrhotite	45.43	54.57					100
Pyrrhotite	42.08	57.92					100
Pyrrhotite	41.94	58.06					100
Pyrrhotite	44.77	55.23					100
Pyrrhotite	47.07	52.93					100
Chalcopryrite	43.09	28.38				28.53	100
Chalcopryrite	40.29	30.07				29.63	100
Pyrite	53.58	46.42					100
Pyrite	56.34	43.66					100

Microscopie optique



Microscopie électronique

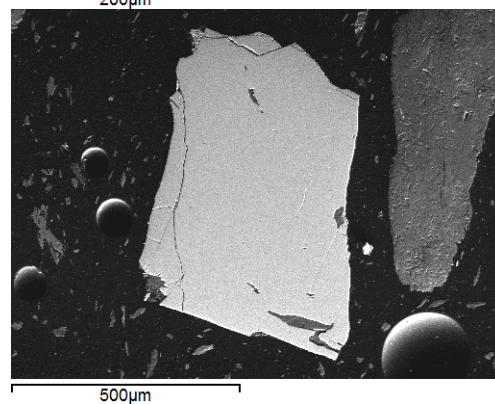
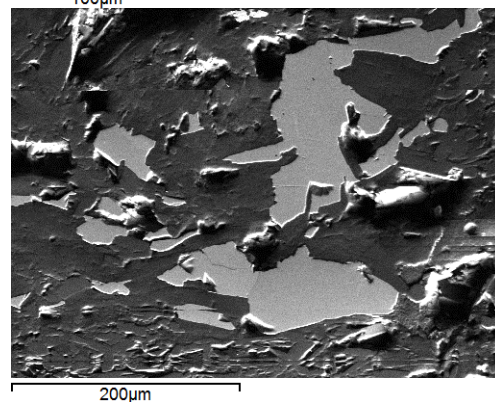
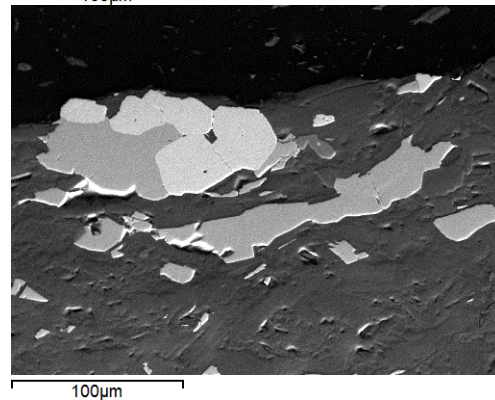
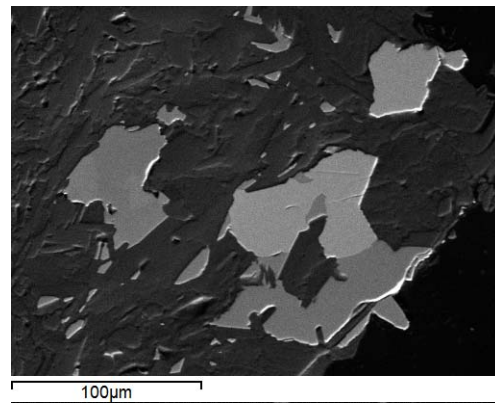


Figure 2 : microphotographies au microscope optique et électronique des minéraux sulfurés dans l'échantillon AMQ-ENV-125

Échantillon AMQ-ENV-43 (référence URSTM : U49308)

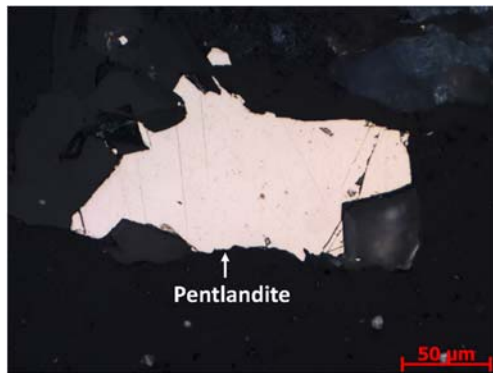
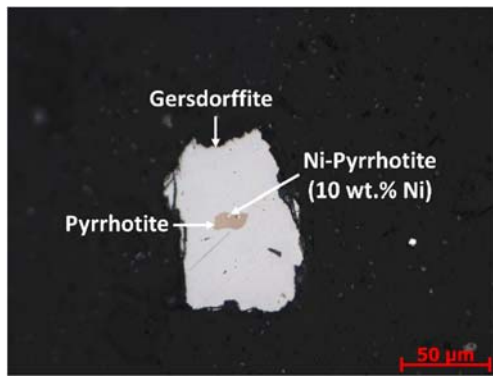
De manière générale, l'échantillon contient moins de minéraux sulfurés que les deux échantillons précédents. Ils sont représentés essentiellement par la gersdorffite, avec des traces de pyrrhotite et de pentlandite. Aucune pyrite ni chalcopyrite n'ont été observées.

Aucun minéral de gangue silicaté analysé ne contient de l'As. Toutes les microanalyses chimiques des minéraux sulfurés au MEB-EDS sont présentées au *tableau 3*.

**Tableau 3 : Microanalyses chimiques des minéraux sulfurés
au MEB-EDS de l'échantillon AMQ-ENV-43**

	S	Fe	Co	Ni	As	Total
Gersdorffite	21.5	6.8	2.6	20.1	49.0	100
Gersdorffite	20.1	10.5	2.1	16.6	50.7	100
Gersdorffite	21.2	7.6	2.8	22.8	45.6	100
Gersdorffite	20.8	7.8	3.0	20.9	47.4	100
Gersdorffite	20.7	7.6	2.9	20.5	48.3	100
Gersdorffite	22.6	6.2	2.6	17.1	51.6	100
Gersdorffite	20.1	8.0	3.3	22.3	46.4	100
Gersdorffite	19.1	6.5	4.9	22.8	46.7	100
Gersdorffite	20.2	4.6	5.1	24.9	45.2	100
Gersdorffite	20.4	4.1	5.3	24.8	45.4	100
Gersdorffite	20.0	7.3	8.8	18.3	45.7	100
Gersdorffite	20.1	8.2	3.2	21.7	46.9	100
Gersdorffite	21.0	8.4	2.5	21.8	46.3	100
Gersdorffite	20.0	7.6	3.3	23.2	46.0	100
Gersdorffite	21.3	7.1	2.8	19.9	48.9	100
Gersdorffite	20.8	7.6	2.6	21.5	47.6	100
Gersdorffite	21.1	7.4	2.4	19.4	49.7	100
Gersdorffite	19.8	9.4	1.8	22.2	46.8	100
Gersdorffite	22.7	8.0	1.4	17.8	50.0	100
Gersdorffite	20.9	6.5	6.1	16.4	50.1	100
Gersdorffite	20.6	8.4	3.0	22.4	45.7	100
Gersdorffite	20.2	8.3	2.4	23.0	46.0	100
Gersdorffite	19.4	8.2	2.5	23.6	46.2	100
Pyrrhotite	41.9	56.7		1.4		100
Pyrrhotite	41.4	52.3		6.3		100
Pentlandite	41.1	24.6		34.4		100
Pentlandite	35.5	25.2		39.3		100
Pentlandite	41.1	24.6		34.4		100
Pentlandite	35.5	25.2		39.3		100

Microscopie optique



Microscopie électronique

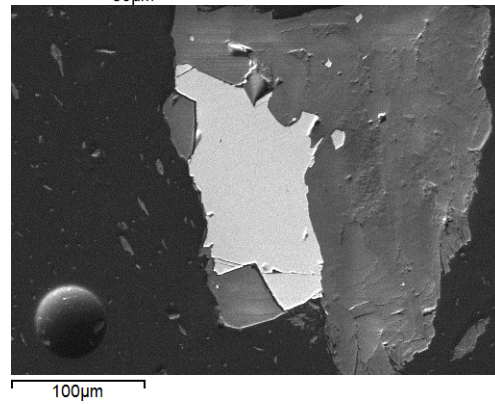
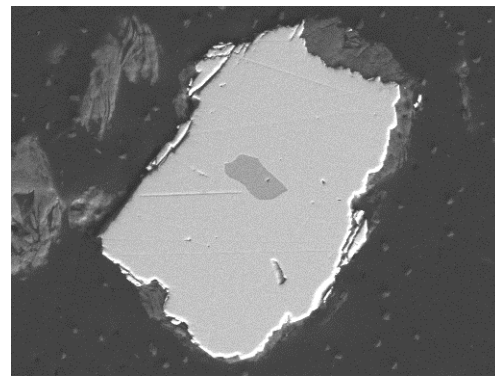


Figure 3 : microphotographies au microscope optique et électronique des minéraux sulfurés dans l'échantillon AMQ-ENV-43



E.2 – Chemical Composition

\\golder.gds\gal\Ottawa\Active\2015\3 Proj\1520817 Amaruq Geochemistry Baseline\report\Phase 3\Rev B\Appendix E - Static Test Results\3-Amaruq_Static_OP_Tables_May2016.xlsm

Appendix E.2
Whole Rock Analysis Results
Waste Rock, Ore and Tailing
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Typical Crustal Abundance (ug/g) (Price, 1997)*										29	62200	18400	18	27640	1060	1.2	22700	99	1120	13	0.2	0.05	2.1	384	273000	6320	0.72	2.3	136	76
Typical Crustal Abundance (ug/g) x5										145	311000	92000	90	138200	5300	6	113500	495	5600	65	1	0.25	10.5	1920	1365000	31600	3.6	11.5	680	380
Sample ID	Borehole ID	Depth (m)		Lithology Code	Rock Name	Sample type		Distance to Ore	ICP																					
		From	To						Copper	Iron	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Tin	Strontium	Silicon	Titanium	Thallium	Uranium	Vanadium	Zinc	
									µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	
AMQ-ENV15-029	AMQ15-170	50	60	0a	Ultramafic	Waste	Core	0	8.3	23000	830	9.0	31000	1100	0.3	20	240	91	0.53	< 0.8	< 0.7	< 0.5	72	2500	100	0.03	< 0.002	41	14	
AMQ-ENV-44	IVR14-118	281	295	0a	Ultramafic	Waste	Core	39	24	36000	3900	14	39000	860	0.1	69	400	110	1.0	< 0.8	< 0.7	< 0.5	47	7600	440	0.14	0.01	62	28	
AMQ-ENV15-028	AMQ15-164	80	90	0a	Ultramafic	Waste	Core	24	7.6	35000	9400	28	25000	960	0.6	140	720	160	1.4	4.4	< 0.7	< 0.5	62	4300	700	0.2	0.023	51	23	
AMQ-ENV-16	IVR14-123	95	104	0a	Ultramafic	Waste	Core	17	13	21000	640	4.0	34000	610	0.1	33	410	120	0.87	3.1	< 0.7	< 0.5	64	6400	87	0.02	0.022	39	18	
AMQ-ENV-31	IVR14-120	61	68	0a	Ultramafic	Waste	Core	10	23	49000	12000	28	32000	1200	0.4	140	1400	110	0.51	15	< 0.7	< 0.5	11	10000	1200	0.28	0.036	71	47	
AMQ-ENV-32	IVR14-120	77	86	0a	Ultramafic	Waste	Core	6	24	25000	1300	8.0	39000	750	< 0.1	28	410	110	0.77	1.3	< 0.7	< 0.5	71	7300	140	0.03	0.003	49	18	
AMQ-ENV-33	IVR14-120	97	106	0a	Ultramafic	Waste	Core	32	51	30000	1100	6.0	37000	620	< 0.1	38	320	100	3.0	1.0	< 0.7	< 0.5	99	9300	130	0.04	0.004	54	17	
AMQ-ENV-39	IVR14-121A	151	160	0a	Ultramafic	Waste	Core	10	34	24000	520	5.0	40000	670	0.1	41	340	120	1.0	0.9	< 0.7	< 0.5	66	5800	68	< 0.02	0.028	36	15	
AMQ-ENV-121	IVR14-149	190	199	0a	Ultramafic	Waste	Core	18	20	36000	19000	31	42000	500	0.7	220	330	860	6.3	< 0.8	< 0.7	< 0.5	130	11000	1900	0.66	0.88	64	36	
AMQ-ENV15-030	AMQ15-170	160	170	0a	Ultramafic	Waste	Core	2	5.1	25000	74	3.0	35000	760	0.3	19	260	110	0.82	< 0.8	< 0.7	< 0.5	110	2400	39	< 0.02	0.004	44	13	
AMQ-ENV15-016	AMQ15-225	31	40	0a	Ultramafic	Waste	Core	23	60	80000	13000	19	30000	1800	0.5	55	1060	120	3.0	3.4	< 0.7	< 0.5	55	4900	1100	0.41	0.062	76	39	
AMQ-ENV15-011	AMQ15-232	149	159	0a	Ultramafic	Waste	Core	11	14	30000	18000	27	19000	670	0.5	180	600	220	0.71	3.0	< 0.7	< 0.5	31	5500	1000	0.32	< 0.002	61	32	
AMQ-ENV15-014	AMQ15-236	25	35	0a	Ultramafic	Waste	Core	8	33	31000	5400	13	41000	570	0.1	22	200	86	0.38	< 0.8	< 0.7	< 0.5	68	2700	530	0.15	0.007	66	19	
AMQ-ENV15-090	IVR14-079	97	107	0a	Ultramafic	Waste	Core	11	64	41000	15000	25	26000	980	0.4	130	1110	110	1.5	8.5	< 0.7	< 0.5	40	5000	1100	0.3	0.018	56	33	
AMQ-ENV15-026	IVR14-141	224	234	0a	Ultramafic	Waste	Core	2	9.9	20000	2800	5.0	30000	1100	0.4	27	1370	63	2.5	3.5	< 0.7	< 0.5	140	2500	250	0.09	0.006	37	19	
AMQ-ENV15-055	IVR14-148	95	105	0a	Ultramafic	Waste	Core	29	16	26000	310	4.0	36000	510	0.2	18	370	89	0.61	1.5	< 0.7	< 0.5	37	2900	68	< 0.02	0.003	57	18	
AMQ-ENV-49	IVR14-016	107	116	0a	Ultramafic	Waste	Reject	13	54	120000	12000	17	32000	3000	0.4	540	1000	120	1.9	3.8	< 0.7	< 0.5	81	3100	930	0.25	0.039	99	57	
AMQ-ENV-58	IVR14-056	44	54	0a	Ultramafic	Waste	Reject	4	56	46000	13000	20	42000	970	0.5	74	1000	270	1.1	3.6	< 0.7	< 0.5	64	1100	860	0.28	0.011	80	33	
AMQ-ENV-69	IVR14-015	70	80	0a	Ultramafic	Waste	Reject	14	29	55000	12000	27	22000	1600	0.2	400	1100	170	1.0	7.1	< 0.7	< 0.5	24	1700	1100	0.27	0.019	81	41	
AMQ-ENV-70	IVR14-015	83	93	0a	Ultramafic	Waste	Reject	19	44	29000	910	5.0	42000	600	0.2	43	580	88	0.46	1.8	< 0.7	< 0.5	62	730	130	< 0.02	0.02	59	24	
AMQ-ENV-73	IVR14-097	182	192	0a	Ultramafic	Waste	Reject	10	31	29000	1000	7.0	38000	510	< 0.1	32	710	83	11	1.1	< 0.7	< 0.5	63	1200	150	< 0.02	0.007	61	25	
Ultramafics - 0a								Minimum	5.1	20000	74	3.0	19000	500	< 0.1	18	200	63	0.38	< 0.8	< 0.7	< 0.5	11	730	39	< 0.02	< 0.002	36	13	
								Maximum	64	120000	19000	31	42000	3000	0.7	540	1400	860	11	15	< 0.7	< 0.5	140	11000	1900	0.66	0.88	99	57	
								Median	24	30000	3900	13	35000	760	0.3	43	580	110	1.0	1.8	nc	nc	64	4300	440	0.14	0.011	59	24	
								Average	30	38619	6771	15	33905	969	0.3	108	663	158	1.9	3.2	nc	nc	67	4663	572	0.17	0.057	59	27	
								Std. Deviation	19	23275	6573	9.9	6782	582	0.19	135	388	168	2.5	3.4	nc	nc	32	3032	526	0.17	0.19	16	12	
								75th Percentile	44	41000	12000	25	39000	1100	0.4	140	1000	120	1.9	3.6	nc	nc	72	6400	1000	0.28	0.023	66	33	
AMQ-ENV-02	IVR14-130	34	44	0b	Ultramafic	Waste	Core	49	22	30000	5000	13	37000	760	0.6	37	270	730	4.5	< 0.8	< 0.7	< 0.5	270	6900	600	0.27	0.42	48	26	
AMQ-ENV-09	IVR14-116	47	56	0b	Ultramafic	Waste	Core	25	110	40000	24000	44	45000	550	0.8	180	260	950	2.0	< 0.8	< 0.7	0.7	78	10000	2200	0.69	0.81	79	44	
AMQ-ENV-10	IVR14-116	60	69	0b	Ultramafic	Waste	Core	15	16	43000	15000	21	55000	820	0.5	83	310	720	3.2	< 0.8	< 0.7	0.6	150	10000	1500	0.59	0.54	60	37	
AMQ-ENV-113	IVR14-131	220	229	0b	Ultramafic	Waste	Core	28	40	47000	20000	26	35000	540	0.6	500	140	910	8.1	< 0.8	< 0.7	0.6	67	11000	1800	0.46	1.5	74	54	
AMQ-ENV-119	IVR14-149	10	19	0b	Ultramafic	Waste	Core	100	40	43000	15000	19	39000	570	0.3	260	190	960	7.3	< 0.8	< 0.7	< 0.5	280	12000	1900	0.33	0.7	81	48	
AMQ-ENV-122	IVR14-152	10	19	0b	Ultramafic	Waste	Core	96	66	54000	13000	21	25000	490	0.9	1000	87	640	6.2	< 0.8	< 0.7	< 0.5	47	12000	1700	0.32	1.1	89	64	
AMQ-ENV15-020	AMQ15-167	21	31	0b	Ultramafic	Waste	Core	3	36	41000	13000	19	31000	540	0.5	110	170	670	5.6	< 0.8	< 0.7	< 0.5	84	3700	1400	0.46	0.53	57	32	
AMQ-ENV15-033	AMQ15-180	77	87	0b	Ultramafic	Waste	Core	1	29	43000	24000	21	48000	730	0.6	150	200	890	4.6	< 0.8	< 0.7	0.8	180	2900	2000	0.81	0.65	75	40	
AMQ-ENV15-109	IVR14-099	50	60	0b	Ultramafic	Waste	Core	25	33	42000	18000	16	51000	920	0.5	110	310	840	8.0	< 0.8	< 0.7	0.7	260	4100	1600	0.79	0.61	65	33	
AMQ-ENV15-081	IVR14-156	105	115	0b	Ultramafic	Waste	Core	29	43	41000	11000	25	22000	460	1.1	300	87	990	14	< 0.8	< 0.7	< 0.5	39	4700	1100	0.4	1.8	64	46	
AMQ-ENV-54	IVR14-055	21	28	0b	Ultramafic	Waste	Reject	5	37	96000	6800	18	11000	1100	4.9	250	34	470	9.9	< 0.8	1.3	< 0.5	4.7	1700	570	0.49	0.83	22	33	
AMQ-ENV-61	IVR14-101	201</																												

\\golder.gds\gall\Ottawa\Active\2015\3 Proj\1520817 Amaruq Geochemistry Baseline\report\Phase 3\Rev B\Appendix E - Static Test Results\3-Amaruq_Static_OP_Tables_May2016.xlsx

Appendix E.2
Whole Rock Analysis Results
Waste Rock, Ore and Tailing
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Typical Crustal Abundance (ug/g) (Price, 1997)*								29	62200	18400	18	27640	1060	1.2	22700	99	1120	13	0.2	0.05	2.1	384	273000	6320	0.72	2.3	136	76	
Typical Crustal Abundance (ug/g) x5								145	311000	92000	90	138200	5300	6	113500	495	5600	65	1	0.25	10.5	1920	1365000	31600	3.6	11.5	680	380	
Sample ID	Borehole ID	Depth (m)		Lithology Code	Rock Name	Sample type		Distance to Ore	ICP																				
		From	To						Copper µg/g	Iron µg/g	Potassium µg/g	Lithium µg/g	Magnesium µg/g	Manganese µg/g	Molybdenum µg/g	Sodium µg/g	Nickel µg/g	Phosphorus µg/g	Lead µg/g	Antimony µg/g	Selenium µg/g	Tin µg/g	Strontium µg/g	Silicon µg/g	Titanium µg/g	Thallium µg/g	Uranium µg/g	Vanadium µg/g	Zinc µg/g
AMQ-ENV15-009	AMQ15-232	92	102	S3C	Central Greywacke	Waste	Core	0	15	54000	2300	2.0	4400	790	2.5	180	14	570	1.6	1.4	< 0.7	< 0.5	16	13000	100	0.06	0.2	2.0	12
AMQ-ENV15-025	IVR14-141	139	148	S3C	Central Greywacke	Waste	Core	0	16	64000	5200	4.0	5900	870	2.3	350	8.6	500	2.5	< 0.8	< 0.7	< 0.5	38	7100	170	0.11	0.59	8.0	15
AMQ-ENV-28	IVR14-120	14	25	S3C	Central Greywacke	Waste	Core	18	21	46000	7800	19	10000	760	2.6	560	22	640	9.0	< 0.8	< 0.7	< 0.5	8.6	9200	890	0.66	2.8	29	54
AMQ-ENV-29	IVR14-120	33	42	S3C	Central Greywacke	Waste	Core	7	7.5	65000	4900	6.0	5000	1200	1.1	170	28	360	5.1	1.3	< 0.7	< 0.5	8.7	14000	270	0.18	0.38	9.0	17
AMQ-ENV-34	IVR14-121A	22	31	S3C	Central Greywacke	Waste	Core	4	15	66000	9200	11	7300	640	2.5	110	20	480	5.5	0.8	< 0.7	< 0.5	13	7900	450	0.39	1.0	14	51
AMQ-ENV-40	IVR14-118	14	23	S3C	Central Greywacke	Waste	Core	23	20	57000	5700	8.0	6000	1100	1.3	170	20	380	3.6	0.8	< 0.7	< 0.5	7.9	11000	360	0.24	0.61	11	36
AMQ-ENV-109	IVR14-146	10	19	S3C	Central Greywacke	Waste	Core	5	32	26000	4200	21	8900	460	2.5	540	30	640	14	< 0.8	< 0.7	< 0.5	14	7700	510	0.29	2.2	19	65
AMQ-ENV15-042	AMQ15-178	210	220	S3C	Central Greywacke	Waste	Core	17	22	33000	6400	16	11000	470	3.9	1000	34	580	14	< 0.8	< 0.7	< 0.5	31	10000	740	0.33	2.8	28	76
AMQ-ENV15-008	AMQ15-232	69	79	S3C	Central Greywacke	Waste	Core	21	20	74000	2700	7.0	5600	950	8.3	280	24	300	4.7	1.4	< 0.7	< 0.5	10	13000	160	0.09	0.84	9.0	69
AMQ-ENV15-091	IVR14-079	16	24	S3C	Central Greywacke	Waste	Core	16	21	70000	7300	12	7700	900	6.7	300	18	490	7.5	1.4	< 0.7	< 0.5	8.0	14000	400	0.27	2.0	10	37
AMQ-ENV15-098	IVR14-089	92	102	S3C	Central Greywacke	Waste	Core	19	35	38000	11000	18	10000	480	4.4	830	33	670	8.1	< 0.8	< 0.7	< 0.5	21	7400	880	0.65	2.7	28	69
AMQ-ENV15-097	IVR14-091	190	200	S3C	Central Greywacke	Waste	Core	23	25	26000	10000	13	7500	410	5.9	750	21	440	19	< 0.8	< 0.7	< 0.5	20	7600	760	0.51	2.7	15	63
AMQ-ENV15-106	IVR14-099	95	104	S3C	Central Greywacke	Waste	Core	23	20	27000	8900	11	7000	420	4.3	700	20	650	11	< 0.8	< 0.7	< 0.5	39	7100	810	0.77	2.5	17	59
AMQ-ENV15-064	IVR14-114	105	114	S3C	Central Greywacke	Waste	Core	40	35	38000	6700	22	12000	550	2.7	1000	38	670	7.1	< 0.8	< 0.7	< 0.5	16	8400	750	0.34	2.3	32	72
AMQ-ENV15-048	IVR14-141	119	129	S3C	Central Greywacke	Waste	Core	11	2.7	65000	11000	21	11000	940	5.7	380	11	540	12	< 0.8	< 0.7	< 0.5	19	10000	760	0.48	2.6	15	46
AMQ-ENV15-073	IVR14-153	45	55	S3C	Central Greywacke	Waste	Core	3	18	36000	9400	16	8800	580	2.8	630	13	360	8.6	< 0.8	< 0.7	< 0.5	17	9600	720	0.5	3.8	20	64
AMQ-ENV15-075	IVR14-153	90	100	S3C	Central Greywacke	Waste	Core	12	18	32000	5700	12	5800	520	3.2	710	13	760	5.4	< 0.8	< 0.7	< 0.5	18	6200	460	0.28	1.7	10	57
AMQ-ENV15-074	IVR14-153	150	160	S3C	Central Greywacke	Waste	Core	3	34	34000	6400	11	9400	450	2.8	730	29	660	18	< 0.8	< 0.7	< 0.5	20	7600	600	0.45	2.8	25	72
AMQ-ENV-03	IVR14-130	62	71	S3C	Central Greywacke	Waste	Core	50	21	34000	5500	17	8900	510	1.6	520	26	760	5.0	< 0.8	< 0.7	< 0.5	12	9200	650	0.43	2.3	27	55
AMQ-ENV-11	IVR14-116	175	184	S3C	Central Greywacke	Waste	Core	30	24	28000	11000	17	8000	430	2.8	580	28	640	29	< 0.8	< 0.7	< 0.5	25	10000	970	0.66	2.6	26	60
AMQ-ENV-12	IVR14-116	250	259	S3C	Central Greywacke	Waste	Core	35	21	26000	5400	11	9100	450	2.4	630	26	650	12	< 0.8	< 0.7	< 0.5	28	8500	570	0.4	2.8	20	60
AMQ-ENV-13	IVR14-123	9	19	S3C	Central Greywacke	Waste	Core	27	17	37000	7800	23	10000	550	2.6	410	27	700	10	< 0.8	< 0.7	< 0.5	16	7600	740	0.4	2.5	27	56
AMQ-ENV-14	IVR14-123	21	30	S3C	Central Greywacke	Waste	Core	19	29	34000	8000	22	9800	480	2.4	600	29	610	13	< 0.8	< 0.7	< 0.5	16	10000	860	0.5	2.3	32	61
AMQ-ENV-18	IVR14-114	18	27	S3C	Central Greywacke	Waste	Core	25	32	33000	8800	16	9300	480	2.6	540	32	640	12	< 0.8	< 0.7	< 0.5	16	9900	930	0.53	2.3	27	66
AMQ-ENV-19	IVR14-114	75	84	S3C	Central Greywacke	Waste	Core	24	32	32000	6800	25	11000	470	2.5	710	33	650	15	< 0.8	< 0.7	< 0.5	18	12000	710	0.36	2.3	27	80
AMQ-ENV-20	IVR14-114	190	199	S3C	Central Greywacke	Waste	Core	11	32	33000	12000	18	11000	570	2.4	820	32	670	9.2	< 0.8	< 0.7	< 0.5	22	11000	1100	0.63	2.0	38	75
AMQ-ENV-36	IVR14-121A	75	84	S3C	Central Greywacke	Waste	Core	14	30	48000	6000	15	5800	620	1.2	470	18	540	11	0.9	0.7	< 0.5	14	10000	390	0.34	4.2	9.0	62
AMQ-ENV-37	IVR14-121A	95	104	S3C	Central Greywacke	Waste	Core	24	15	28000	5400	14	8800	510	2.3	610	24	590	17	< 0.8	< 0.7	< 0.5	24	10000	530	0.33	3.2	22	53
AMQ-ENV-41	IVR14-118	86	96	S3C	Central Greywacke	Waste	Core	21	22	31000	14000	26	11000	500	2.6	560	25	620	38	< 0.8	< 0.7	< 0.5	18	11000	1200	0.77	3.3	28	57
AMQ-ENV-46	IVR14-130	149	155	S3C	Central Greywacke	Waste	Core	21	20	22000	7200	16	7600	400	2.4	670	26												

Appendix E.2 Whole Rock Analysis Results Waste Rock, Ore and Tailing Whale Tail Deposit Agnico Eagle Mines Limited - Meadowbank Division																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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Appendix E.2
Whole Rock Analysis Results
Waste Rock, Ore and Tailing
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Typical Crustal Abundance (ug/g) (Price, 1997)*									29	62200	18400	18	27640	1060	1.2	22700	99	1120	13	0.2	0.05	2.1	384	273000	6320	0.72	2.3	136	76	
Typical Crustal Abundance (ug/g) x5									145	311000	92000	90	138200	5300	6	113500	495	5600	65	1	0.25	10.5	1920	1365000	31600	3.6	11.5	680	380	
Sample ID	Borehole ID	Depth (m)		Lithology Code	Rock Name	Sample type		Distance to Ore	ICP																					
		From	To						Copper µg/g	Iron µg/g	Potassium µg/g	Lithium µg/g	Magnesium µg/g	Manganese µg/g	Molybdenum µg/g	Sodium µg/g	Nickel µg/g	Phosphorus µg/g	Lead µg/g	Antimony µg/g	Selenium µg/g	Tin µg/g	Strontium µg/g	Silicon µg/g	Titanium µg/g	Thallium µg/g	Uranium µg/g	Vanadium µg/g	Zinc µg/g	
AMQ-ENV15-019	AMQ15-167	47	57	S10	Chert	Waste	Core	0	16	79000	6400	11	7800	910	2.2	240	72	370	12	2.0	< 0.7	< 0.5	8.3	9400	330	0.26	3.4	10	21	
AMQ-ENV15-133	AMQ15-433-01	20	30	S10	Chert	Waste	Core	-	22	98000	3800	6.0	7800	1900	4.7	85	25	610	9.3	1.5	< 0.7	1.6	8.3	4400	310	0.07	0.65	21	31	
AMQ-ENV15-141	AMQ15-481-02	225	235	S10	Chert	Waste	Core	-	5.8	62000	5300	8.0	5100	920	1.8	470	11	570	3.4	1.1	< 0.7	< 0.5	14	4600	370	0.16	1.3	9.0	19	
AMQ-ENV15-046	AMQ15-188	65	75	S10	Chert	Waste	Core	22	11	87000	5600	4.0	7400	820	2.0	280	12	470	7.4	0.9	< 0.7	< 0.5	16	9100	170	0.13	0.61	9.0	11	
AMQ-ENV15-037	AMQ15-193	15	25	S10	Chert	Waste	Core	9	52	59000	3600	7.0	4300	540	2.0	71	22	320	18	1.4	< 0.7	< 0.5	2.8	6400	160	0.18	0.98	8.0	16	
AMQ-ENV15-007	AMQ15-232	50	60	S10	Chert	Waste	Core	2	46	71000	17000	21	31000	910	2.6	280	130	770	11	< 0.8	< 0.7	0.6	190	5800	1300	0.78	0.94	48	46	
AMQ-ENV15-092	IVR14-079	64	72	S10	Chert	Waste	Core	6	26	100000	5800	4.0	9000	2100	1.3	130	210	160	2.6	1.7	1.4	< 0.5	16	9300	180	0.1	0.13	15	29	
AMQ-ENV15-088	IVR14-089	35	45	S10	Chert	Waste	Core	13	110	48000	18000	19	44000	1100	0.4	130	550	290	2.5	1.6	< 0.7	< 0.5	130	8700	980	0.42	< 0.002	79	36	
AMQ-ENV15-095	IVR14-091	80	90	S10	Chert	Waste	Core	1	20	23000	5300	7.0	4500	480	2.3	520	33	500	7.5	< 0.8	< 0.7	< 0.5	32	5300	280	0.26	1.6	11	120	
AMQ-ENV15-096	IVR14-091	130	140	S10	Chert	Waste	Core	27	16	93000	13000	15	9500	940	3.0	310	29	620	7.7	< 0.8	< 0.7	0.6	15	7400	1000	0.74	1.3	31	79	
AMQ-ENV15-085	IVR14-125A	370	380	S10	Chert	Waste	Core	11	20	47000	4500	5.0	6300	450	2.5	100	13	74	4.1	< 0.8	0.8	< 0.5	7.5	6500	270	0.24	0.5	12	90	
AMQ-ENV15-058	IVR14-147	35	45	S10	Chert	Waste	Core	12	19	58000	8600	14	8500	880	5.0	380	19	530	6.4	< 0.8	< 0.7	< 0.5	14	8400	380	0.37	2.9	12	32	
AMQ-ENV15-056	IVR14-148	37	47	S10	Chert	Waste	Core	10	30	32000	5800	17	9200	490	2.8	570	34	710	15	< 0.8	< 0.7	< 0.5	13	6300	600	0.33	2.7	19	63	
AMQ-ENV15-115	IVR14-155	335	345	S10	Chert	Waste	Core	9	10	69000	5200	< 2	4900	730	1.6	980	13	610	1.8	1.2	< 0.7	< 0.5	14	15000	230	0.14	0.33	7.0	13	
Chert - S10									Minimum	5.8	23000	3600	< 2	4300	450	0.4	71	11	74	1.8	< 0.8	< 0.7	< 0.5	2.8	4400	160	0.07	< 0.002	7.0	11
									Maximum	110	100000	18000	21	44000	2100	5.0	980	550	770	18	2.0	1.4	1.6	190	15000	1300	0.78	3.4	79	120
									Median	20	65500	5700	7.5	7800	895	2.3	280	27	515	7.5	1.0	0.7	0.5	14	6950	320	0.25	0.96	12	32
									Average	29	66143	7707	10	11379	941	2.4	325	84	472	7.8	1.2	0.76	0.59	34	7614	469	0.3	1.2	21	43
									Std. Deviation	27	23813	4762	6.2	11494	494	1.2	250	146	204	4.9	0.41	0.19	0.29	55	2734	363	0.22	1.1	20	33
									75th Percentile	29	85000	8050	15	9150	935	2.8	448	63	610	11	1.5	0.7	0.5	16	9000	545	0.36	1.5	21	59
AMQ-ENV15-035	AMQ15-211	36	46	S9E	Iron Formation	Waste	Core	0	47	150000	2800	8.0	5700	1300	0.5	200	620	70	0.81	1.7	< 0.7	< 0.5	8.2	4000	350	0.17	0.072	45	19	
AMQ-ENV15-099	IVR14-089	161	171	S9E	Iron Formation	Waste	Core	0	7.6	25000	160	< 2	39000	820	0.1	19	550	220	0.58	1.9	< 0.7	< 0.5	120	2100	51	< 0.02	< 0.002	35	13	
AMQ-ENV-17	IVR14-123	168	177	S9E	Iron Formation	Waste	Core	23	74	28000	2500	8.0	32000	450	0.1	110	390	100	0.73	< 0.8	< 0.7	< 0.5	21	7700	280	0.1	0.014	56	24	
AMQ-ENV-42	IVR14-118	201	213	S9E	Iron Formation	Waste	Core	16	33	31000	7500	15	8300	430	2.1	680	25	540	13	< 0.8	< 0.7	< 0.5	33	8700	820	0.53	2.6	29	63	
AMQ-ENV-43	IVR14-118	264	276	S9E	Iron Formation	Waste	Core	37	6.9	34000	3600	9.0	53000	1660	0.3	110	650	170	4.2	1.1	< 0.7	< 0.5	140	7800	420	0.14	0.027	38	24	
AMQ-ENV-125	IVR14-152	175	184	S9E	Iron Formation	Waste	Core	12	36	38000	12000	27	47000	490	0.3	84	480	220	2.8	1.3	< 0.7	< 0.5	92	7800	990	0.37	0.14	79	36	
AMQ-ENV15-027	AMQ15-164	45	55	S9E	Iron Formation	Waste	Core	3	47	110000	7600	17	9400	1700	0.4	270	1020	90	2.2	4.6	< 0.7	< 0.5	16	6100	700	0.24	0.067	52	22	
AMQ-ENV15-034	AMQ15-180	110	119	S9E	Iron Formation	Waste	Core	4	64	130000	2400	9.0	11000	2400	0.6	270	930	110	1.3	3.1	< 0.7	< 0.5	17	6300	320	0.12	0.15	60	28	
AMQ-ENV15-045	AMQ15-188	115	125	S9E	Iron Formation	Waste	Core	4	15	68000	6000	21	16000	1900	0.3	190	920	210	1.0	5.6	< 0.7	< 0.5	37	6000	670	0.17	0.005	63	38	
AMQ-ENV15-038	AMQ15-193	43	53	S9E	Iron Formation	Waste	Core	11	26	130000	12000	28	15000	2200	0.5	160	790	100	0.93	3.5	< 0.7	< 0.5	22	3800	1200	0.35	0.05	83	47	
AMQ-ENV15-039	AMQ15-193	85	95	S9E	Iron Formation	Waste	Core	12	1.9	32000	15000	25	44000	720	0.2	96	610	810	0.52	3.3	< 0.7	< 0.5	82	7900	750	0.36	< 0.002	56	32	
AMQ-ENV15-086	IVR14-016	130	140	S9E	Iron Formation	Waste	Core	6	48	37000	16000	29	35000	600	0.2	47	710	97	0.79	2.5	< 0.7	< 0.5	57	3900	970	0.33	< 0.002	77	38	
AMQ-ENV15-021	AMQ15-161	138	148	S9E	Iron Formation	Waste	Core	7	28	27000	4000	13	25000	540	0.4	45	510	490	1.8	2.7	< 0.7	< 0.5	230	3900	400	0.12	0.43	43	22	
AMQ-ENV15-040	AMQ15-178	40	50	S9E	Iron Formation	Waste	Core	35	15	22000	410	5.0	32000	680	< 0.1	15	230	74	0.8	< 0.8	< 0.7	< 0.5	120	2900	87	< 0.02	< 0.002	48	11	
AMQ-ENV15-041	AMQ15-178	90	100	S9E	Iron Formation	Waste	Core	36	5.5	22000	530	9.0	31000	450	< 0.1	14	170	110	0.41	< 0.8	< 0.7	< 0.5	45	2100	95	0.02	0.56	48	15	
AMQ-ENV15-010	AMQ15-232	116	124	S9E	Iron Formation	Waste	Core	5	26	110000	11000	20	8100	1600	0.5	250	1030	160	1.2	5.2	< 0.7	< 0.5	17	6400	1000	0.46	0.085	54	34	
AMQ-ENV-47	IVR14-016	130	140	S9E	Iron Formation	Waste	Reject	6	47	41000	15000	28	td																	

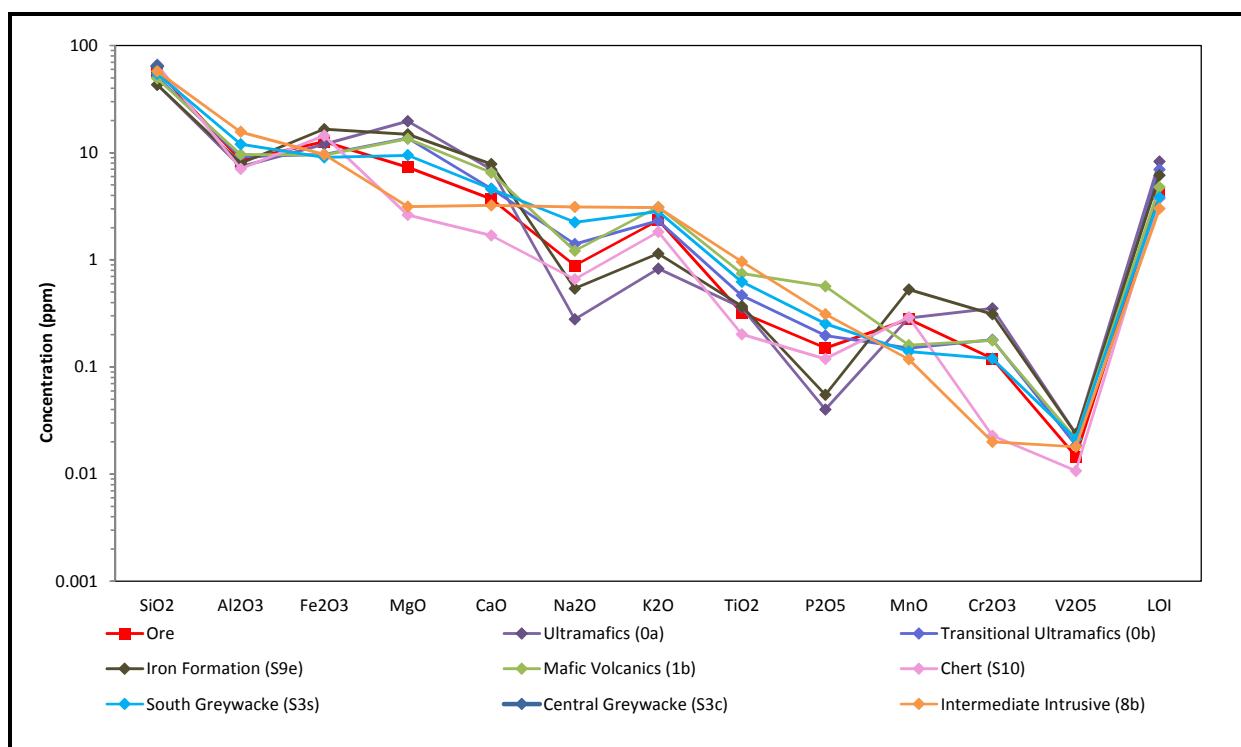
Notes:

a) Price, 1997. Guidelines and Recommended Methods for the Prediction of Metal Leaching and Acid Rock Drainage at Minesites in British Columbia - statistic could not be calculated

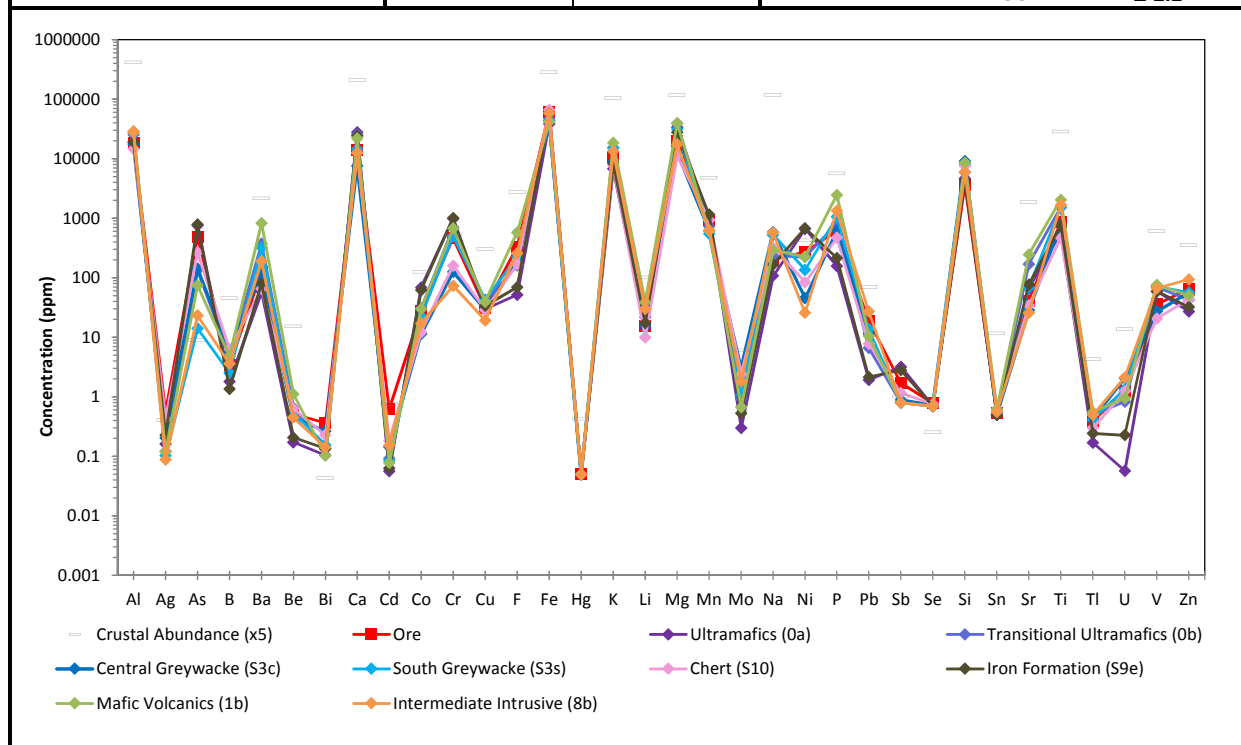
1	Result exceeds the Price Crustal Abundance.
1.0	Result exceeds 5x the Price Crustal Abundance.

Appendix E.2
Whole Rock Analysis Results
Waste Rock, Ore and Tailing
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

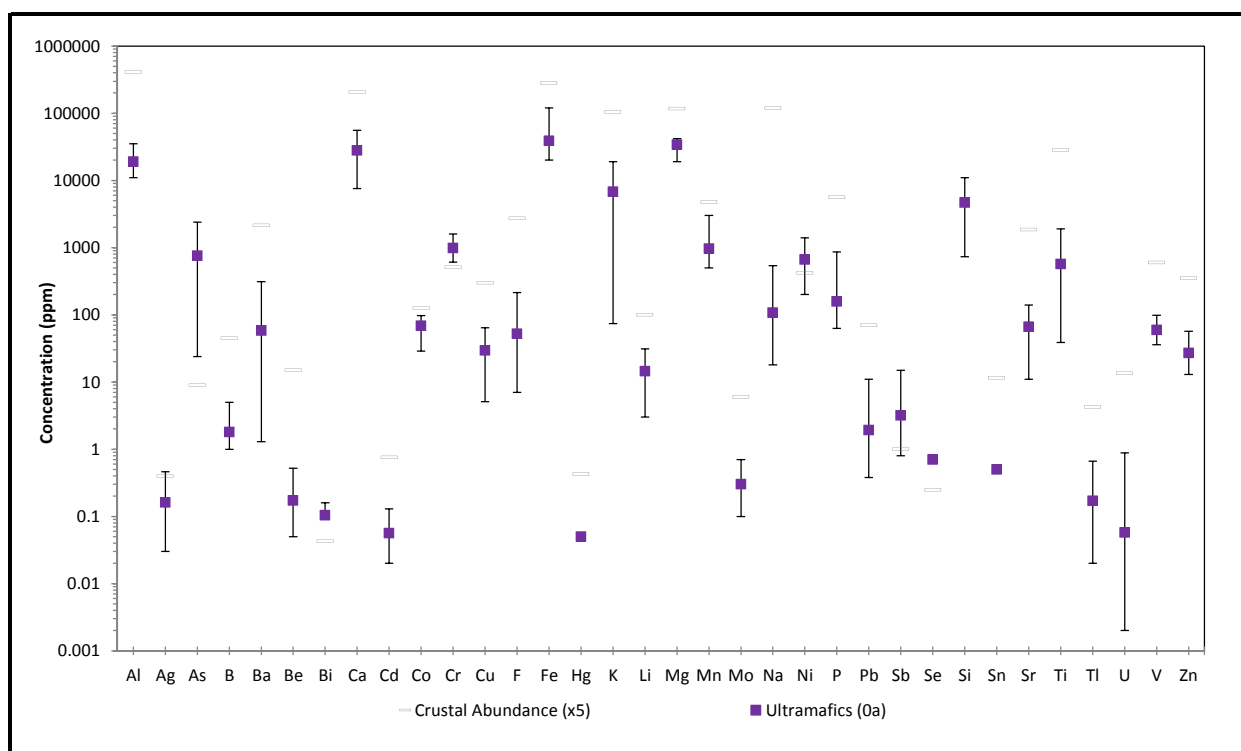
Typical Crustal Abundance (ug/g) (Price, 1997)*									29	62200	18400	18	27640	1060	1.2	22700	99	1120	13	0.2	0.05	2.1	384	273000	6320	0.72	2.3	136	76	
Typical Crustal Abundance (ug/g) x5									145	311000	92000	90	138200	5300	6	113500	495	5600	65	1	0.25	10.5	1920	1365000	31600	3.6	11.5	680	380	
Sample ID	Borehole ID	Depth (m)		Lithology Code	Rock Name	Sample type		Distance to Ore	ICP																					
		Copper µg/g	Iron µg/g						Potassium µg/g	Lithium µg/g	Magnesium µg/g	Manganese µg/g	Molybdenum µg/g	Sodium µg/g	Nickel µg/g	Phosphorus µg/g	Lead µg/g	Antimony µg/g	Selenium µg/g	Tin µg/g	Strontium µg/g	Silicon µg/g	Titanium µg/g	Thallium µg/g	Uranium µg/g	Vanadium µg/g	Zinc µg/g			
AMQ-ENV-01	IVR14-130	11	20	1b	Mafic Volcanic (near UM contact)	Waste	Core	50	26	46000	18000	17	54000	870	0.7	100	270	800	16	< 0.8	< 0.7	0.7	240	9200	1600	0.68	0.62	69	44	
AMQ-ENV-07	IVR14-116	16	25	1b	Mafic Volcanic	Waste	Core	47	41	47000	25000	110	42000	860	0.3	230	220	8400	7.8	< 0.8	< 0.7	1.2	710	7700	3500	0.87	1.3	89	63	
AMQ-ENV-08	IVR14-116	30	39	1b	Mafic Volcanic	Waste	Core	36	38	39000	24000	60	37000	480	0.4	340	190	5000	22	< 0.8	< 0.7	0.6	430	12000	2800	0.64	0.95	69	56	
AMQ-ENV-118	IVR14-151	200	209	1b	Mafic Volcanic	Waste	Core	31	39	51000	22000	25	40000	680	0.5	330	190	970	3.9	< 0.8	< 0.7	0.5	200	11000	2300	0.68	1.0	78	61	
AMQ-ENV15-104	IVR14-087	100	110	1b	Mafic Volcanic	Waste	Core	31	35	42000	19000	27	44000	500	0.5	270	250	1000	13	< 0.8	< 0.7	< 0.5	110	12000	1900	0.55	0.85	93	46	
AMQ-ENV15-094	IVR14-091	41	51	1b	Mafic Volcanic	Waste	Core	42	57	43000	16000	29	38000	650	1.4	290	200	1300	8.4	< 0.8	< 0.7	< 0.5	87	6100	1400	0.35	0.5	80	53	
AMQ-ENV15-024	IVR14-141	38	47	1b	Mafic Volcanic	Waste	Core	67	51	31000	12000	23	25000	350	0.8	630	140	1200	8.5	< 0.8	< 0.7	< 0.5	49	9700	1200	0.31	1.2	46	36	
AMQ-ENV-51	IVR14-103	218	228	1b	Mafic Volcanic (prev. logged GW)	Waste	Reject	36	29	35000	12000	20	36000	510	0.8	150	340	900	4.7	< 0.8	< 0.7	< 0.5	140	1100	1700	0.34	1.2	81	47	
Mafic Volcanic - 1b									Minimum	26	31000	12000	17	25000	350	0.3	100	140	800	3.9	< 0.8	< 0.7	< 0.5	49	1100	1200	0.31	0.5	46	36
									Maximum	57	51000	25000	110	54000	870	1.4	630	340	8400	22	< 0.8	< 0.7	1.2	710	12000	3500	0.87	1.3	93	63
									Median	39	42500	18500	26	39000	580	0.6	280	210	1100	8.5	nc	nc	0.5	170	9450	1800	0.6	0.98	79	50
									Average	40	41750	18500	39	39500	613	0.68	293	225	2446	11	nc	nc	0.63	246	8600	2050	0.55	0.95	76	51
									Std. Deviation	10	6563	5014	32	8177	186	0.35	160	61	2783	6.1	nc	nc	0.24	222	3660	776	0.2	0.29	15	9.2
									75th Percentile	44	46250	22500	37	42500	725	0.8	333	255	2225	14	nc	nc	0.63	288	11250	2425	0.68	1.2	83	57
AMQ-ENV15-089	IVR14-079	78	88	S9E	Iron Formation	Ore	Core	0	85	100000	15000	22	13000	1800	0.5	160	940	120	4.7	5.2	< 0.7	< 0.5	24	4500	1200	0.45	0.11	61	42	
AMQ-ENV15-134	AMQ15-433-02	32	42	S10	ALTV41	Ore	Core	0	19	100000	6300	8.0	6200	1600	2.8	65	37	940	19	2.0	< 0.7	0.8	9.8	4500	360	0.11	1.0	11	110	
AMQ-ENV15-135	AMQ15-433-03	67	75	0a	ALTV42	Ore	Core	0	6.1	30000	9300	18	36000	540	0.4	50	730	94	0.97	1.9	< 0.7	< 0.5	38	4400	630	0.19	0.004	53	32	
AMQ-ENV15-136	AMQ15-438-01	32	33	S10	QZ3	Ore	Core	0	60	47000	29000	27	45000	440	1.7	190	220	1300	1.4	< 0.8	< 0.7	0.6	28	5100	2400	1.2	1.2	87	45	
AMQ-ENV15-137	AMQ15-438-02	33	38	0a	QZ4	Ore	Core	0	14	40000	9900	18	50000	840	0.7	56	380	700	1.8	< 0.8	< 0.7	< 0.5	100	3100	910	0.38	0.55	45	39	
AMQ-ENV15-138	AMQ15-438-03	66	78	S10/UM	QZ2	Ore	Core	0	23	83000	3600	4.0	5500	1000	3.0	84	20	420	4.0	1.7	1.0	< 0.5	16	2900	250	0.16	0.39	10	36	
AMQ-ENV15-139	AMQ15-438-04	88	98	S10	QZ2	Ore	Core	0	10	90000	11000	5.0	8800	1100	1.6	210	24	810	1.4	1.5	< 0.7	< 0.5	9.7	4300	510	0.26	0.53	15	18	
AMQ-ENV15-140	AMQ15-481-01	190	200	S3C	QZ3	Ore	Core	0	27	32000	15000	24	15000	520	1.6	420	37	740	20	< 0.8	< 0.7	< 0.5	26	2800	1200	0.47	3.4	36	63	
AMQ-ENV15-142	AMQ15-481-03	254	259	S3C	QZ2	Ore	Core	0	20	34000	6600	12	8500	630	1.3	400	19	970	15	< 0.8	< 0.7	< 0.5	43	3600	570	0.44	4.0	19	51	
AMQ-ENV15-143	AMQ15-481-04	262	272	S3C	QZ2	Ore	Core	0	22	40000	8400	13	9700	460	2.0	610	26	840	110	0.8	0.8	< 0.5	29	4900	670	0.48	3.1	24	50	
AMQ-ENV15-144	AMQ15-481-05	390	400	S3C	ALTV41	Ore	Core	0	50	77000	9000	13	9100	1700	1.4	200	580	260	45	4.1	1.0	< 0.5	38	3200	860	0.33	1.1	26	150	
AMQ-ENV15-076	IVR14-156	145	155	0b	Ultramafic	Ore	Core	0	46	58000	7000	18	23000	760	1.5	57	150	470	9.7	1.0	0.8	< 0.5	91	3300	690	0.31	0.36	28	22	
AMQ-ENV-52	IVR14-084	72	84	0b	Ultramafic	Ore	Reject	0	29	49000	10000	18	30000	750	0.9	82	370	450	15	< 0.8	0.9	< 0.5	88	1100	1100	0.31	0.48	48	180	
Ore									Minimum	6.1	30000	3600	4.0	5500	440	0.4	50	19	94	0.97	< 0.8	< 0.7	< 0.5	9.7	1100	250	0.11	0.004	10	18
									Maximum	85	100000	29000	27	50000	1800	3.0	610	940	1300	110	5.2	1.0	0.8	100	5100	2400	1.2	4.0	87	180
									Median	23	49000	9300	18	13000	760	1.5	160	150	700	9.7	1.0	0.7	0.5	29	3600	690	0.33	0.55	28	45
									Average	32	60000	10777	15	19985	934	1.5	199	272	624	19	1.7	0.78	0.53	42	3669	873	0.39	1.2	36	64
									Std. Deviation	23	26413	6347	7.0	15404	481	0.79	175	310	358	30	1.4	0.12	0.085	31	1100	548	0.27	1.3	23	50
									75th Percentile	46	83000	11000	18	30000	1100	1.7	210	380	840	19	1.9	0.8	0.5	43	4500	1100	0.45	1.2	48	63
RE-13872/RE-13874	-	-	-	-	Processed ore	Tailing	milling reject	0	280	90000	6200	11	11000	1300	4.3	1300	390	320	63	3.3	1.6	2.1	35	1700	610	0.09	0.38	35	48	
AMQ-ENV15-116	-	0	1.0	-	Overburden	Waste	Grab	-	3.3	18000	1300	7.0	3100	190	0.7	180	11	430	5.1	< 0.8	< 0.7	0.5	8.3	1300	430	0.06	1.2	13	32	
AMQ-ENV15-130	-	0	1.0	-	Overburden	Waste	Grab	-	17	28000	3100	15	6200	300	8.0	340	30	540	11	< 0.8	< 0.7	0.8	17	1500	490	0.18	5.9	15	49	
AMQ-ENV15-131	-	0	1.0	-	Overburden	Waste	Grab	-	5.6	15000	1500	9.0	4000	180	0.6	210	16	400	6.0	< 0.8	< 0.7	< 0.5	12	1500	340	0.07	1.8	11	29	
AMQ-ENV15-132	-	0	1.0	-	Overburden	Waste	Grab	-	4.9	14000	1200	7.0	3200	200	0.6	180	13	400	5.4	< 0.8	< 0.7	< 0.5	12	1600	340	0.06	2.2	10	29	
AMQ-ENV15-117	-	0	1.0	-	Overburden	Waste	Grab	-	6.9	26000	24																			



Notes: Average concentrations plotted MDL values were used in average calculations if their concentrations are less than the MDL	Oxide Content		Static Testing	
	All Lithologies		Whale Tail Pit	
	PREPARED	CWT	DATE	May-16
	CHECKED	JMC	JOB NO	1520817
	REVIEWED	VJB	PHASE/TASK	3000
			APPENDIX FIGURE E-2.1	



Notes: Average concentrations plotted MDL values were used in average calculations if their concentrations are less than the MDL	Trace Element Content		Static Testing	
	All Lithologies		Whale Tail Pit	
	PREPARED	CWT	DATE	May-16
	CHECKED	JMC	JOB NO	1520817
	REVIEWED	VJB	PHASE/TASK	3000
			APPENDIX FIGURE E-2.2	

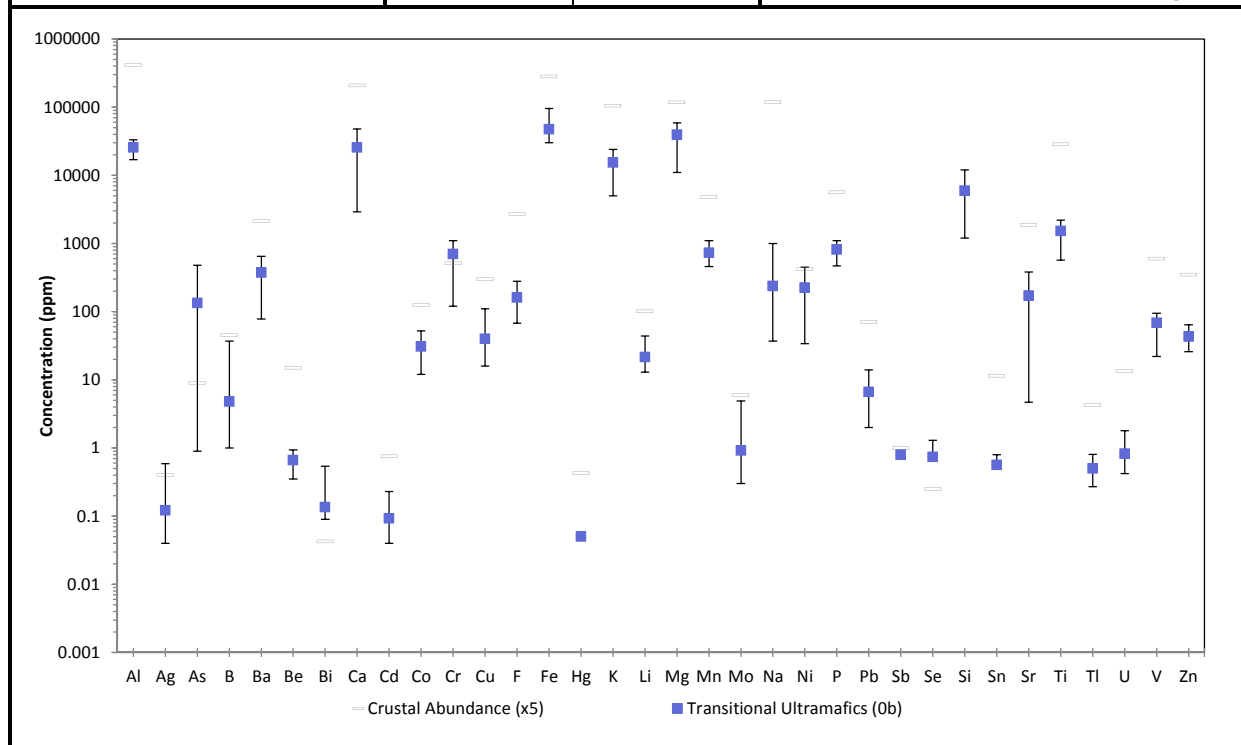


Notes:

Average concentrations plotted
MDL values were used in average calculations if their concentrations are less than the MDL

Trace Element Content			
Ultramafics (0a)			
PREPARED	CWT	DATE	May-16
CHECKED	JMC	JOB NO	1520817
REVIEWED	VJB	PHASE/TASK	3000

Static Testing	
Whale Tail Pit	
Agnico Eagle Mines Limited Meadowbank Division	
APPENDIX FIGURE	E-2.3

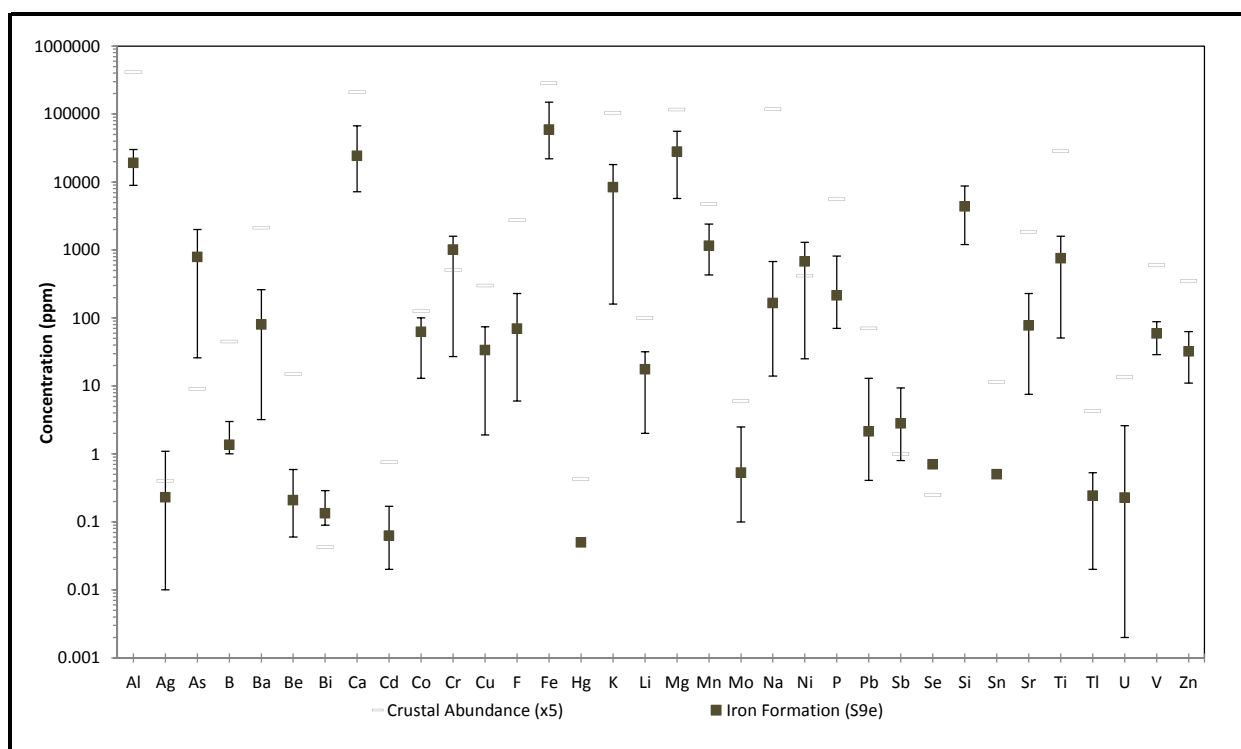


Notes:

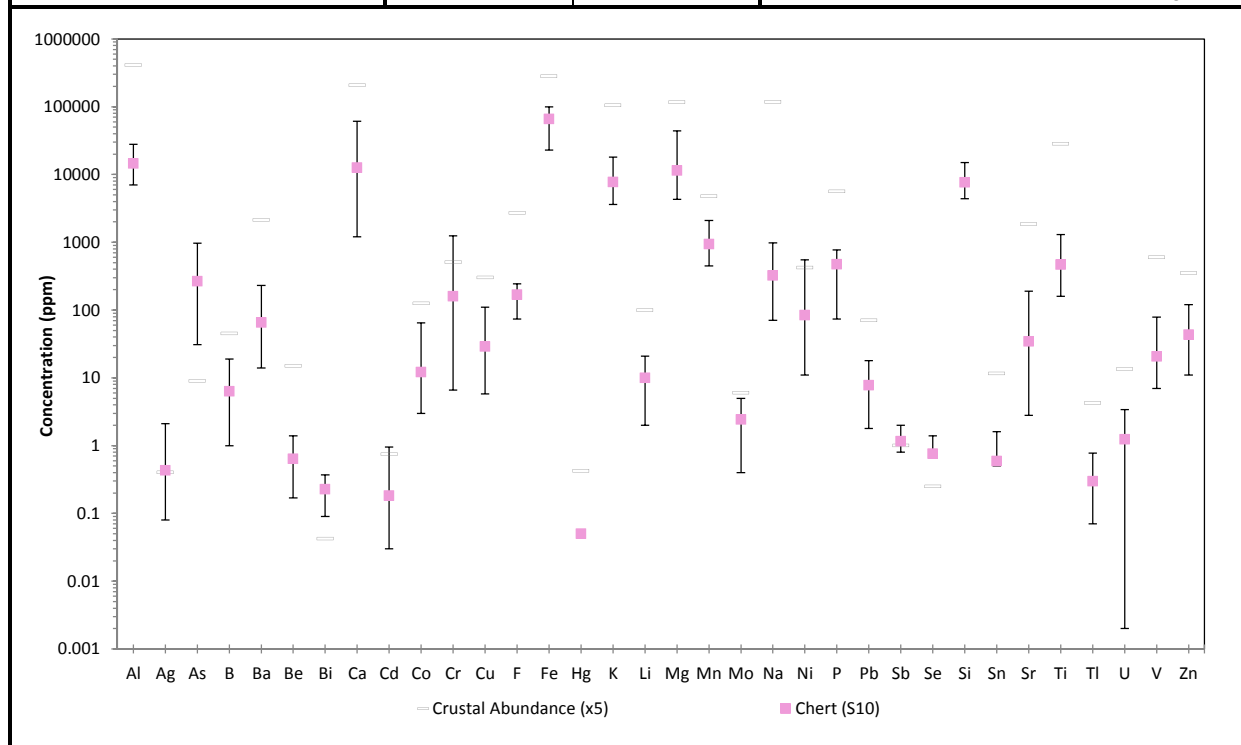
Average concentrations plotted
MDL values were used in average calculations if their concentrations are less than the MDL

Trace Element Content			
Transitional Ultramafics (0b)			
PREPARED	CWT	DATE	May-16
CHECKED	JMC	JOB NO	1520817
REVIEWED	VJB	PHASE/TASK	3000

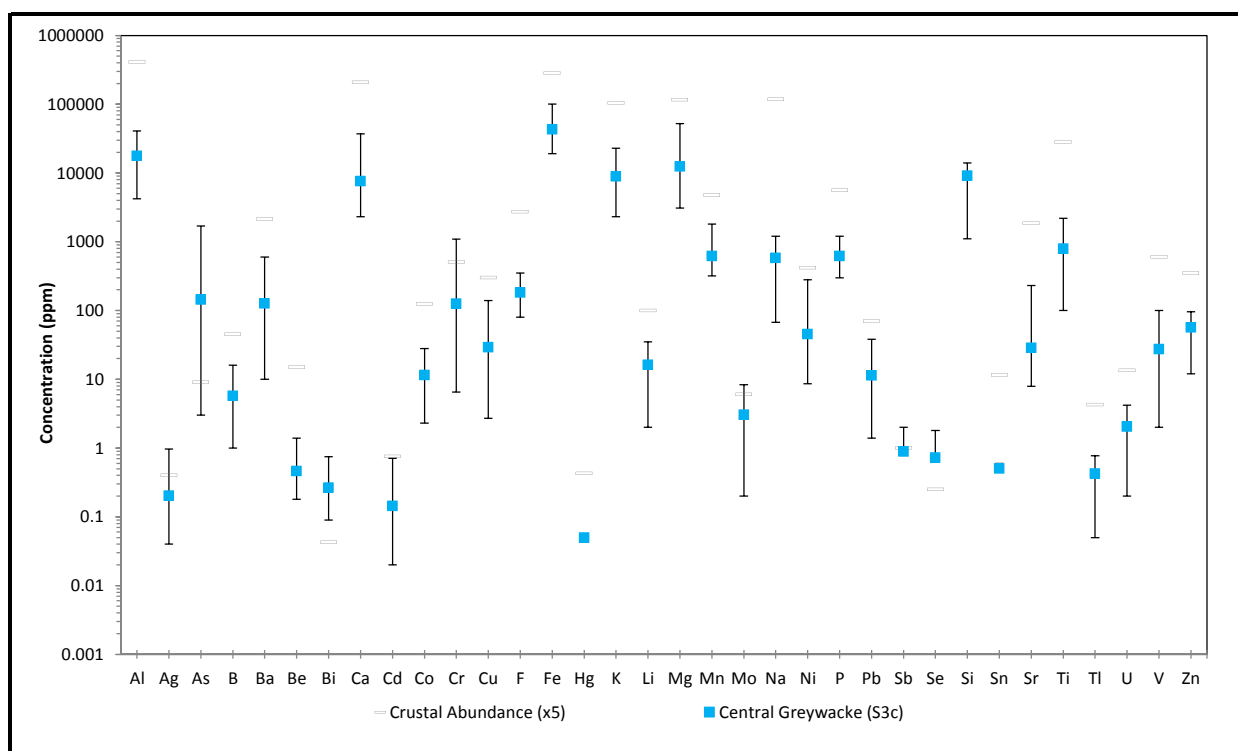
Static Testing	
Whale Tail Pit	
Agnico Eagle Mines Limited Meadowbank Division	
APPENDIX FIGURE	E-2.4



Notes: Average concentrations plotted MDL values were used in average calculations if their concentrations are less than the MDL	Trace Element Content		Static Testing	
	Iron Formation (S9e)		Whale Tail Pit	
	PREPARED	CWT	DATE	May-16
	CHECKED	JMC	JOB NO	1520817
	REVIEWED	VJB	PHASE/TASK	3000
			Agnico Eagle Mines Limited Meadowbank Division 	
			APPENDIX FIGURE E-2.5	



Notes: Average concentrations plotted MDL values were used in average calculations if their concentrations are less than the MDL	Trace Element Content		Static Testing	
	Chert (S10)		Whale Tail Pit	
	PREPARED	CWT	DATE	May-16
	CHECKED	JMC	JOB NO	1520817
	REVIEWED	VJB	PHASE/TASK	3000
			Agnico Eagle Mines Limited Meadowbank Division 	
			APPENDIX FIGURE E-2.6	

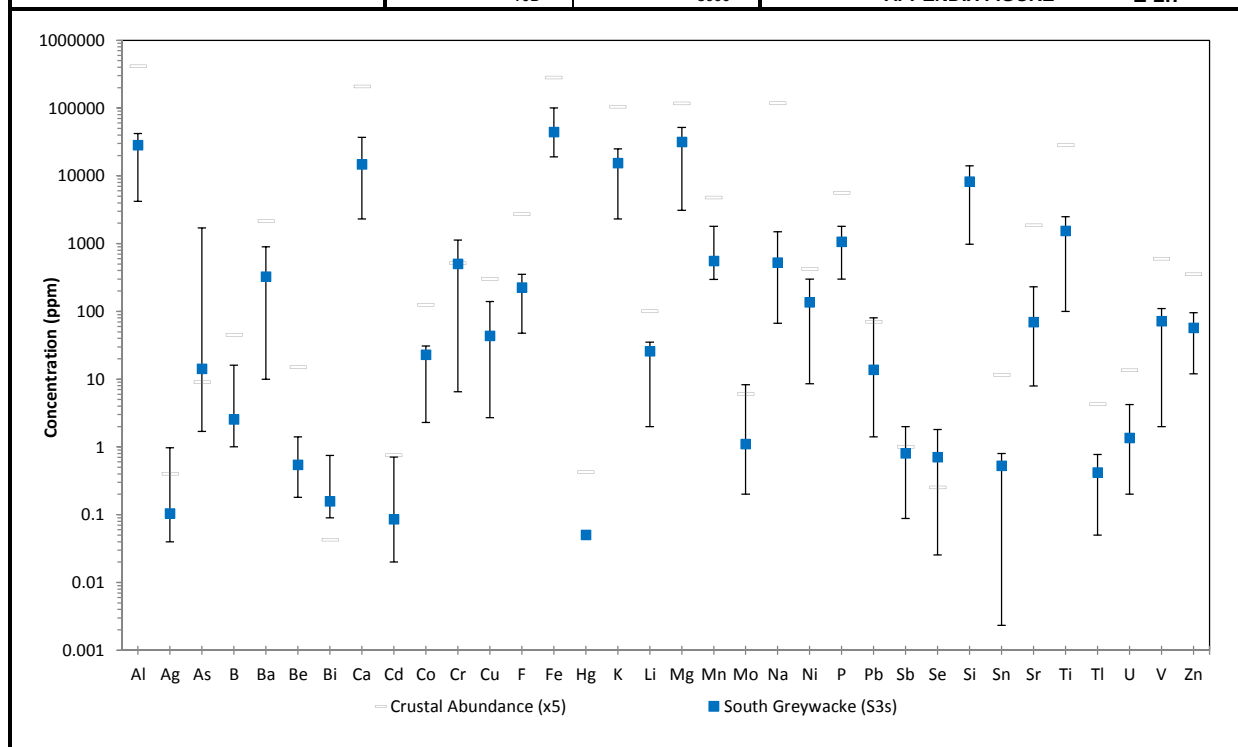


Notes:

Average concentrations plotted
MDL values were used in average calculations if their concentrations are less than the MDL

Trace Element Content			
Central Greywacke (S3c)			
PREPARED	CWT	DATE	May-16
CHECKED	JMC	JOB NO	1520817
REVIEWED	VJB	PHASE/TASK	3000

Static Testing	
Whale Tail Pit	
Agnico Eagle Mines Limited Meadowbank Division	
APPENDIX FIGURE	E-2.7

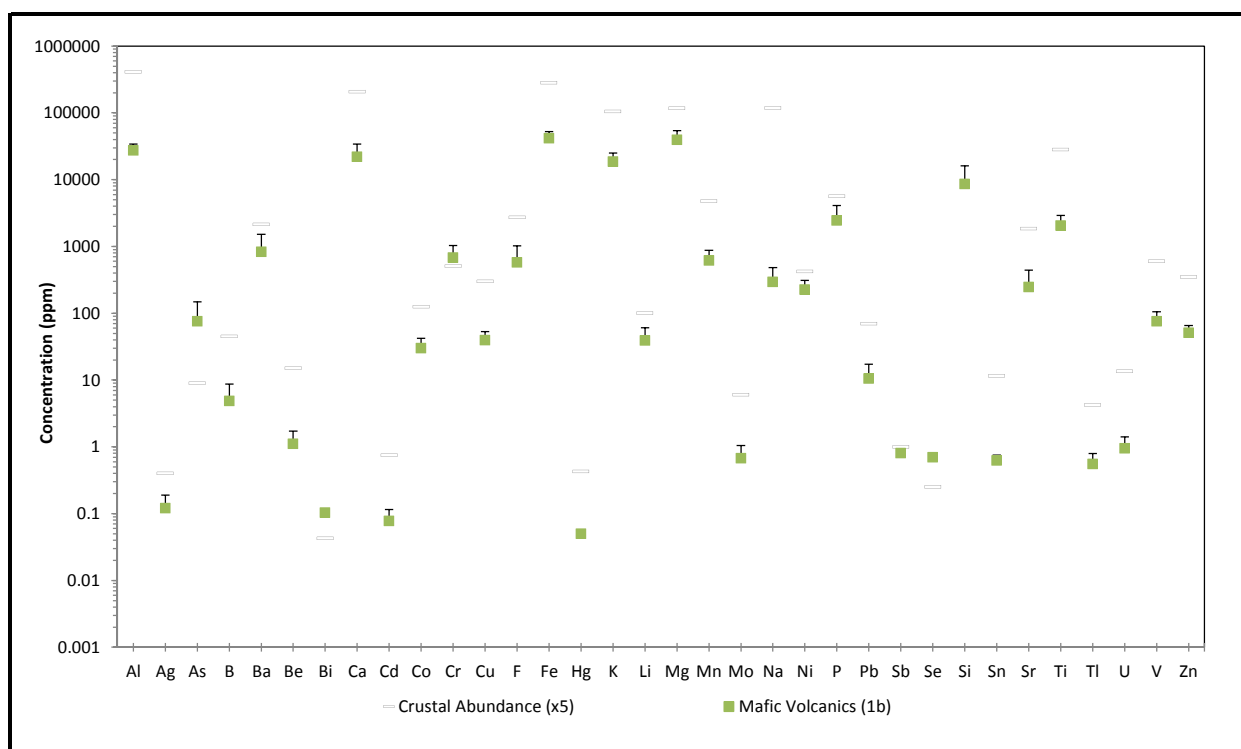


Notes:

Average concentrations plotted
MDL values were used in average calculations if their concentrations are less than the MDL

Trace Element Content			
South Greywacke (S3s)			
PREPARED	CWT	DATE	May-16
CHECKED	JMC	JOB NO	1520817
REVIEWED	VJB	PHASE/TASK	3000

Static Testing	
Whale Tail Pit	
Agnico Eagle Mines Limited Meadowbank Division	
APPENDIX FIGURE	E-2.8



Notes:

Average concentrations plotted
MDL values were used in average
calculations if their concentrations are less
than the MDL

Trace Element Content

Mafic Volcanic (1b)

PREPARED	CWT	DATE	May-16
CHECKED	JMC	JOB NO	1520817
REVIEWED	VJB	PHASE/TASK	3000

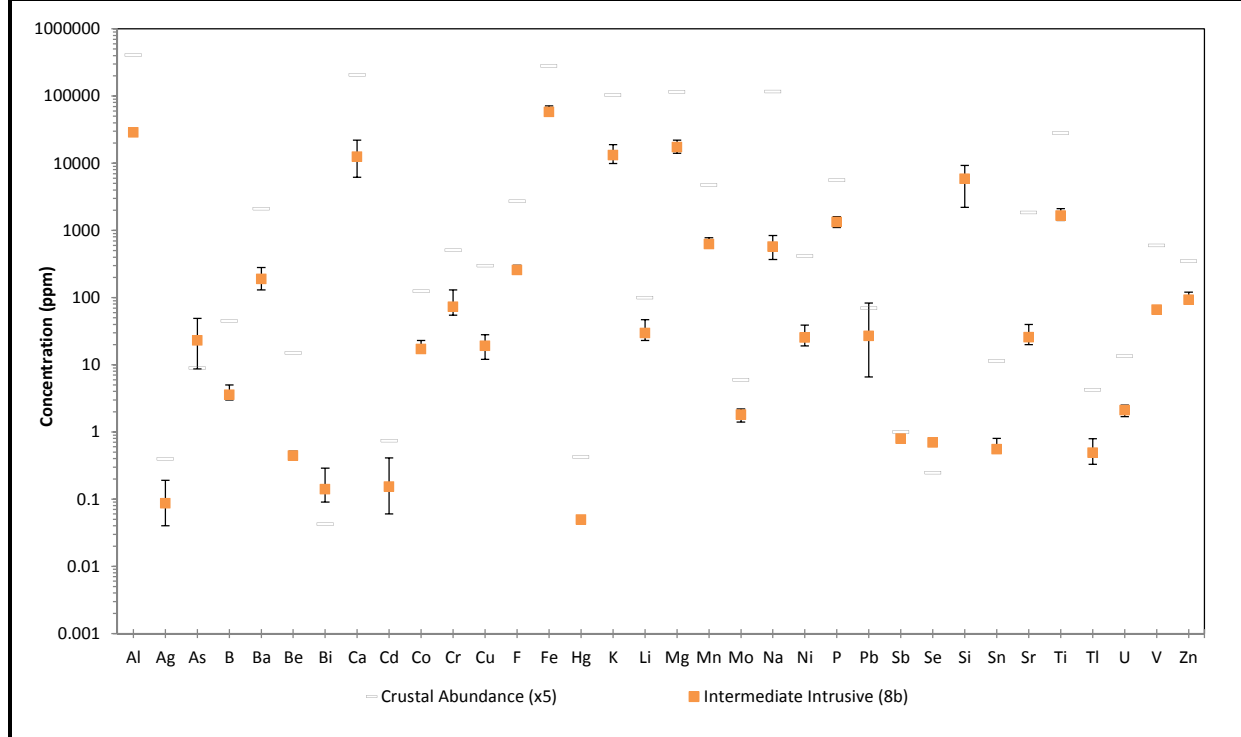
**Static Testing
Whale Tail Pit**

Agnico Eagle Mines
Limited
Meadowbank Division



APPENDIX FIGURE

E-2.9



Notes:

Average concentrations plotted
MDL values were used in average
calculations if their concentrations are less
than the MDL

Trace Element Content

Intermediate Intrusive (8b)

PREPARED	CWT	DATE	May-16
CHECKED	JMC	JOB NO	1520817
REVIEWED	VJB	PHASE/TASK	3000

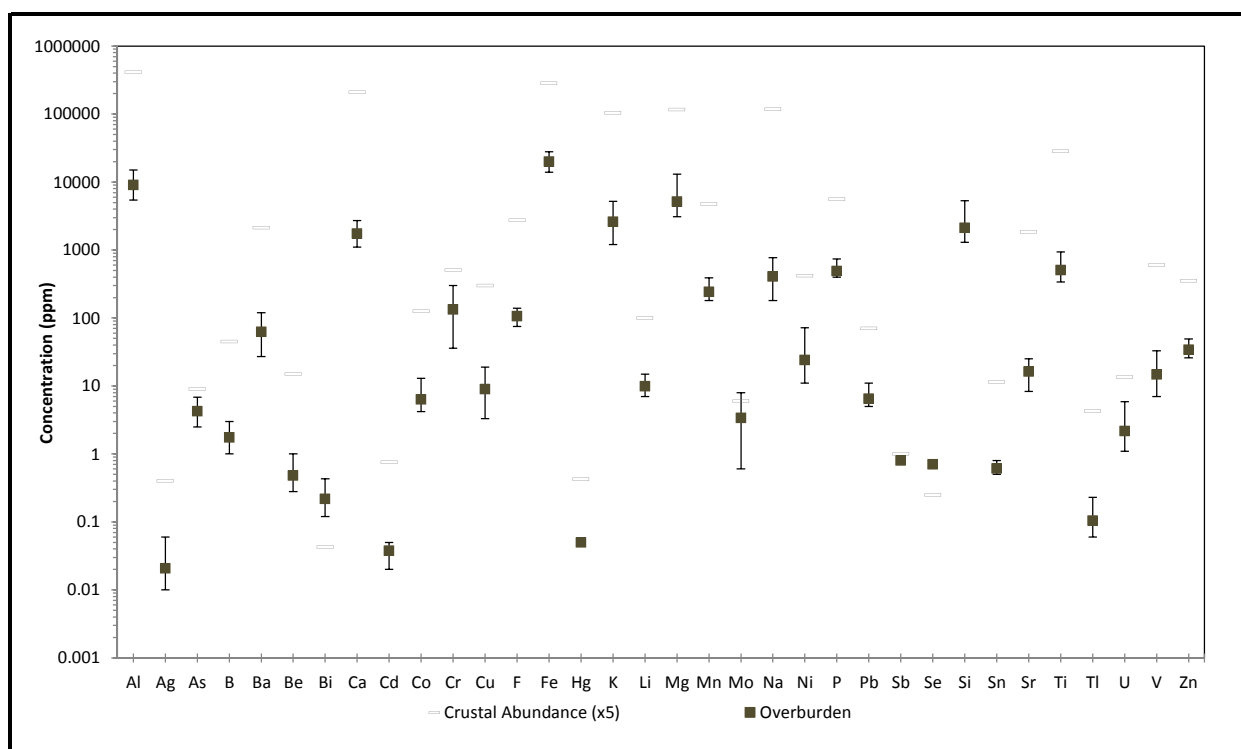
**Static Testing
Whale Tail Pit**

Agnico Eagle Mines
Limited
Meadowbank Division



APPENDIX FIGURE

E-2.10



Notes:

Average concentrations plotted
MDL values were used in average calculations if their concentrations are less than the MDL

Trace Element Content

Overburden

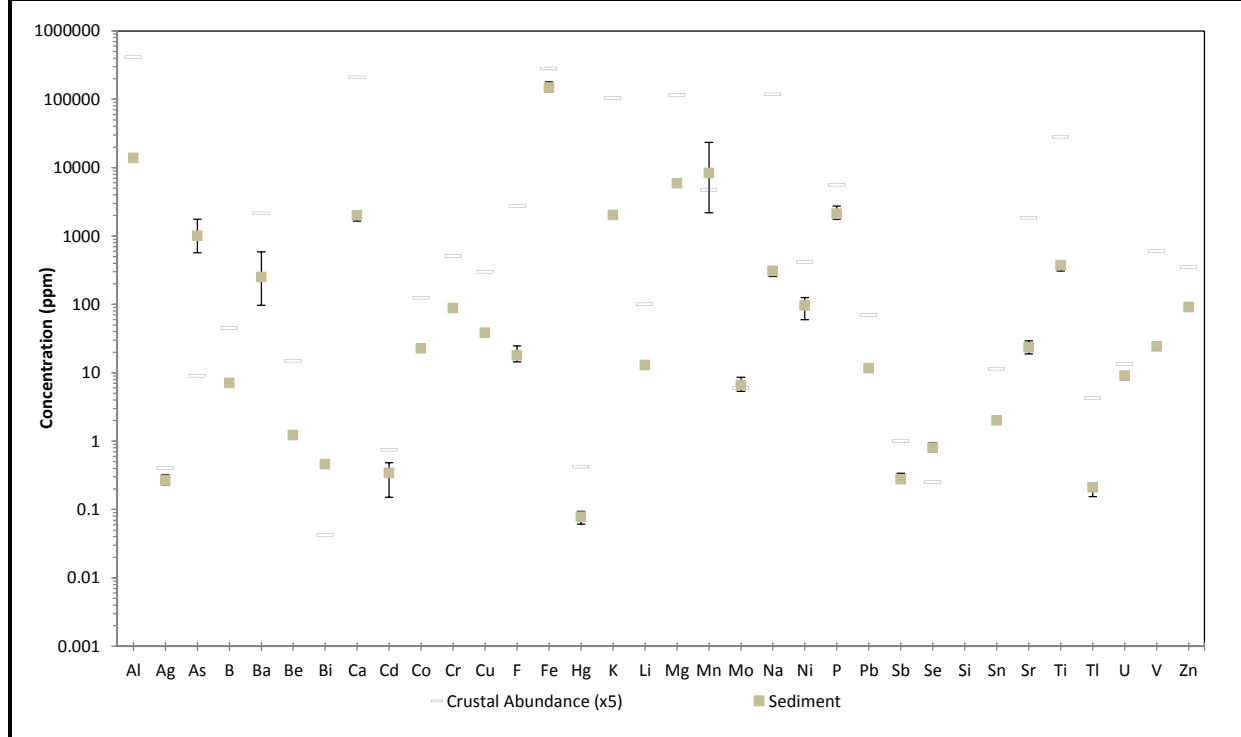
PREPARED	CWT	DATE	May-16
CHECKED	JMC	JOB NO	1520817
REVIEWED	VJB	PHASE/TASK	3000

**Static Testing
Whale Tail Pit**

Agnico Eagle Mines
Limited
Meadowbank Division



APPENDIX FIGURE E-2.11



Notes:

Average concentrations plotted
MDL values were used in average calculations if their concentrations are less than the MDL

Trace Element Content

Lake Sediment

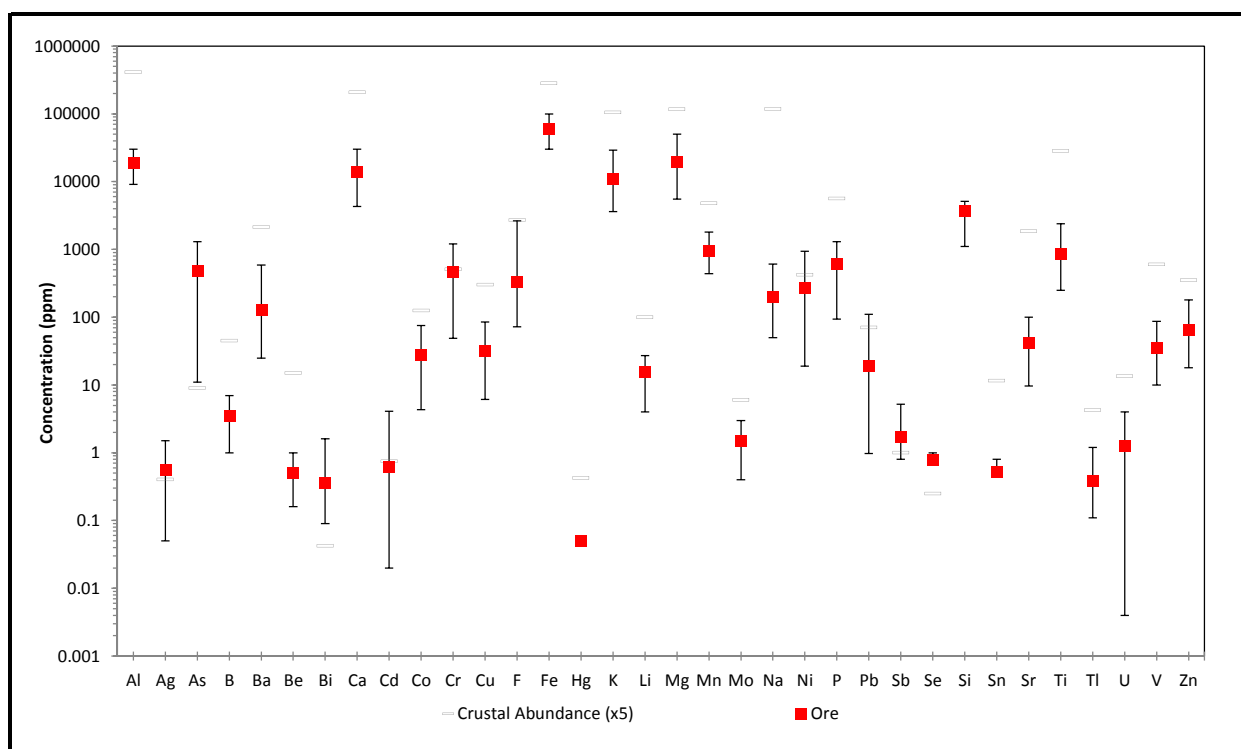
PREPARED	CWT	DATE	May-16
CHECKED	JMC	JOB NO	1520817
REVIEWED	VJB	PHASE/TASK	3000

**Static Testing
Whale Tail Pit**

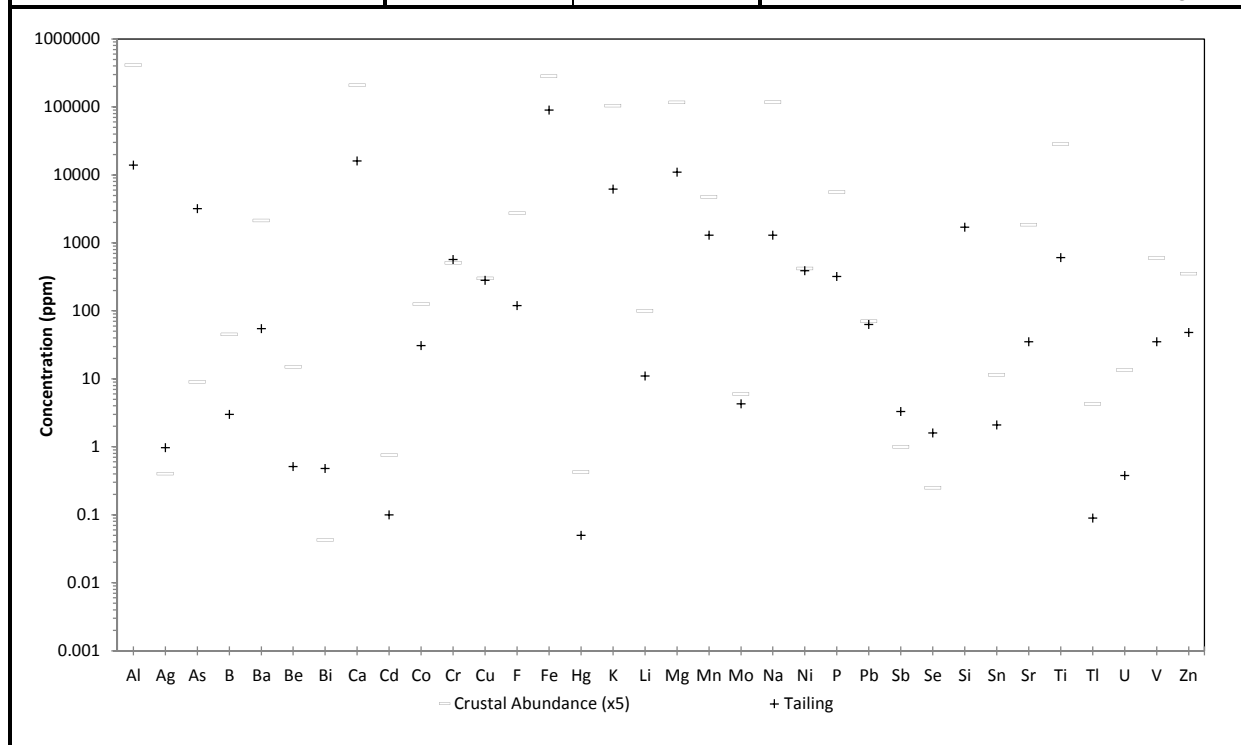
Agnico Eagle Mines
Limited
Meadowbank Division



APPENDIX FIGURE E-2.12



<u>Notes:</u> Average concentrations plotted MDL values were used in average calculations if their concentrations are less than the MDL	Trace Element Content				Static Testing Whale Tail Pit	
	Ore				Agnico Eagle Mines Limited Meadowbank Division	
	PREPARED	CWT	DATE	May-16		
	CHECKED	JMC	JOB NO	1520817		
	REVIEWED	VJB	PHASE/TASK	3000		
					APPENDIX FIGURE	E-2.13



<u>Notes:</u> Average concentrations plotted MDL values were used in average calculations if their concentrations are less than the MDL	Trace Element Content				Static Testing Whale Tail Pit	
	Tailings				Agnico Eagle Mines Limited Meadowbank Division	
	PREPARED	CWT	DATE	May-16		
	CHECKED	JMC	JOB NO	1520817		
	REVIEWED	VJB	PHASE/TASK	3000		
				APPENDIX FIGURE E-2.14		



E.3 – Acid Generation Potential

Appendix E.3
Acid Base Accounting Results
Waste Rock, Ore and Tailing
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Sample ID	Borehole ID	Depth (m)		Lithology Code	Rock Name	Sample Type		Distance to Ore	ABA													ARD Potential
		From	To						Paste pH	Sulphur (total)	Acid Leachable SO4-S	Sulphide	Carbon (total)	Graphitic Carbon	Carbonate (Graphite Corrected)	AP	NP	Net NP	CaNP	CaNPR	NPR	
										%						t CaCO3/1000 t					ratio	
AMQ-ENV15-029	AMQ15-170	50	60	0a	Ultramafic	Waste	Core	0	8.8	0.017	0.02	< 0.01	1.6	< 0.01	7.6	0.53	127	126	127	239	239	non PAG
AMQ-ENV-44	IVR14-118	281	295	0a	Ultramafic	Waste	Core	39	9.7	0.02	0.02	< 0.01	1.0	< 0.01	5.1	0.63	98	97	85	137	157	non PAG
AMQ-ENV15-028	AMQ15-164	80	90	0a	Ultramafic	Waste	Core	24	8.9	0.06	0.03	0.03	1.1	< 0.01	5.3	1.9	103	102	88	47	55	non PAG
AMQ-ENV-16	IVR14-123	95	104	0a	Ultramafic	Waste	Core	17	9.7	0.022	0.02	< 0.01	1.3	< 0.01	6.4	0.69	106	108	107	156	154	non PAG
AMQ-ENV-31	IVR14-120	61	68	0a	Ultramafic	Waste	Core	10	9.4	0.18	0.04	0.14	0.29	< 0.01	1.4	5.8	43	38	23	4.1	7.5	non PAG
AMQ-ENV-32	IVR14-120	77	86	0a	Ultramafic	Waste	Core	6	9.6	0.028	0.03	< 0.01	1.5	< 0.01	7.6	0.88	124	120	127	145	142	non PAG
AMQ-ENV-33	IVR14-120	97	106	0a	Ultramafic	Waste	Core	32	9.6	0.017	0.02	< 0.01	1.1	< 0.01	5.5	0.53	98	100	92	174	184	non PAG
AMQ-ENV-39	IVR14-121A	151	160	0a	Ultramafic	Waste	Core	10	9.7	0.035	0.04	< 0.01	1.8	< 0.01	8.9	1.1	142	131	148	135	130	non PAG
AMQ-ENV-121	IVR14-149	190	199	0a	Ultramafic	Waste	Core	18	10	0.02	0.02	< 0.01	0.43	< 0.01	2.2	0.63	54	69	36	57	86	non PAG
AMQ-ENV15-030	AMQ15-170	160	170	0a	Ultramafic	Waste	Core	2	9.1	0.019	0.02	< 0.01	1.7	< 0.01	8.4	0.59	136	135	140	235	229	non PAG
AMQ-ENV15-016	AMQ15-225	31	40	0a	Ultramafic	Waste	Core	23	8.8	1.3	0.21	1.1	1.3	< 0.01	5.7	40	121	88	95	2.4	3.0	non PAG
AMQ-ENV15-011	AMQ15-232	149	159	0a	Ultramafic	Waste	Core	11	9.7	0.028	< 0.01	0.02	0.45	< 0.01	2.1	0.88	54	53	35	40	62	non PAG
AMQ-ENV15-014	AMQ15-236	25	35	0a	Ultramafic	Waste	Core	8	9.1	0.008	< 0.01	< 0.01	1.2	< 0.01	5.7	0.25	100	100	96	383	400	non PAG
AMQ-ENV15-090	IVR14-079	97	107	0a	Ultramafic	Waste	Core	11	9.6	0.15	0.01	0.14	0.79	< 0.01	3.6	4.7	74	69	60	13	16	non PAG
AMQ-ENV15-026	IVR14-141	224	234	0a	Ultramafic	Waste	Core	2	9.3	0.14	0.02	0.12	1.8	< 0.01	9.0	4.5	153	149	151	33	34	non PAG
AMQ-ENV15-055	IVR14-148	95	105	0a	Ultramafic	Waste	Core	29	9.1	0.042	0.03	0.01	0.79	< 0.01	3.8	1.3	66	66	63	48	50	non PAG
AMQ-ENV-49	IVR14-016	107	116	0a	Ultramafic	Waste	Reject	13	9.3	0.72	0.23	0.49	1.4	< 0.01	5.7	23	133	108	95	4.2	5.9	non PAG
AMQ-ENV-58	IVR14-056	44	54	0a	Ultramafic	Waste	Reject	4	9.8	0.21	0.02	0.18	0.85	< 0.01	3.7	6.4	92	78	61	9.5	14	non PAG
AMQ-ENV-69	IVR14-015	70	80	0a	Ultramafic	Waste	Reject	14	9.1	0.24	0.05	0.19	0.57	< 0.01	2.0	7.4	65	44	33	4.4	8.7	non PAG
AMQ-ENV-70	IVR14-015	83	93	0a	Ultramafic	Waste	Reject	19	9.5	0.033	0.03	< 0.01	0.97	< 0.01	4.3	1.0	91	82	72	70	88	non PAG
AMQ-ENV-73	IVR14-097	182	192	0a	Ultramafic	Waste	Reject	10	9.5	0.12	0.08	0.04	0.72	< 0.01	3.3	3.7	66	75	55	15	18	non PAG
Ultramafics - 0a								Minimum	8.8	0.008	< 0.01	< 0.01	0.29	< 0.01	1.4	0.25	43	38	23	2.4	3.0	Bulk CaNPR = 17 Non PAG
								Maximum	10	1.3	0.23	1.1	1.8	< 0.01	9.0	40	153	149	151	383	400	
								Median	9.5	0.035	0.02	nc	1.1	nc	5.3	1.1	98	97	88	48	62	
								Average	9.3	0.16	0.046	nc	1.1	nc	5.1	5.0	97	92	85	93	99	
								Std. Deviation	nc	0.3	0.06	nc	0.45	nc	2.3	9.4	32	30	39	102	102	
								75th Percentile	nc	0.15	0.04	nc	1.4	nc	6.4	4.7	124	108	107	145	154	
AMQ-ENV-02	IVR14-130	34	44	0b	Ultramafic	Waste	Core	49	9.7	< 0.005	< 0.01	< 0.01	1.5	< 0.01	7.5	< 0.16	137	127	125	803	877	non PAG
AMQ-ENV-09	IVR14-116	47	56	0b	Ultramafic	Waste	Core	25	9.9	0.044	0.02	0.02	0.53	< 0.01	2.6	1.4	58	69	44	32	42	non PAG
AMQ-ENV-10	IVR14-116	60	69	0b	Ultramafic	Waste	Core	15	9.6	< 0.005	< 0.01	< 0.01	1.6	< 0.01	8.2	< 0.16	137	126	137	874	877	non PAG
AMQ-ENV-113	IVR14-131	220	229	0b	Ultramafic	Waste	Core	28	10.0	0.099	0.04	0.06	0.42	< 0.01	2.1	3.1	51	58	35	11	16	non PAG
AMQ-ENV-119	IVR14-149	10	19	0b	Ultramafic	Waste	Core	100	9.9	0.02	0.01	0.01	0.66	< 0.01	3.3	0.63	80	74	55	88	128	non PAG
AMQ-ENV-122	IVR14-152	10	19	0b	Ultramafic	Waste	Core	96	9.6	0.17	0.02	0.15	0.27	< 0.01	1.4	5.4	38	33	23	4.2	7.0	non PAG
AMQ-ENV15-020	AMQ15-167	21	31	0b	Ultramafic	Waste	Core	3	8.9	0.37	0.09	0.28	0.59	0.03	2.5	12	51	42	41	3.6	4.4	non PAG
AMQ-ENV15-033	AMQ15-180	77	87	0b	Ultramafic	Waste	Core	1	9.7	0.011	0.01	< 0.01	1.3	< 0.01	6.5	0.34	114	114	108	313	332	non PAG
AMQ-ENV15-109	IVR14-099	50	60	0b	Ultramafic	Waste	Core	25	9.4	0.007	< 0.01	< 0.01	2.2	< 0.01	11	0.22	182	181	175	801	832	non PAG
AMQ-ENV15-081	IVR14-156	105	115	0b	Ultramafic	Waste	Core	29	9.5	0.1	0.03	0.07	0.25	< 0.01	1.1	3.1	30	28	19	6.0	9.6	non PAG
AMQ-ENV-54	IVR14-055	21	28	0b	Ultramafic	Waste	Reject	5	7.6	4.0	< 0.01	4.0	1.6	1.2	3.5	125	7.1	-94	58	0.47	0.057	PAG
AMQ-ENV-61	IVR14-101	201	210	0b	Ultramafic	Waste	Reject	44	10.0	0.066	0.03	0.04	0.9	< 0.01	4.2	2.1	99	91	70	34	48	non PAG
AMQ-ENV-62	IVR14-092	69	80	0b	Ultramafic	Waste	Reject	58	9.9	0.028	0.02	0.01	1.6	< 0.01	7.8	0.88	165	144	131	149	189	non PAG
AMQ-ENV-68	IVR14-110	233	242	0b	Ultramafic	Waste	Reject	30	9.6	< 0.005	< 0.01	< 0.01	2.1	< 0.01	9.6	< 0.16	166	163	160	1025	1062	non PAG
Transitional Ultramafics - 0b								Minimum	7.6	< 0.005	< 0.01	< 0.01	0.25	< 0.01	1.1	< 0.16	7.1	-94	19	0.47	0.057	Bulk CaNPR = 7.7 Non PAG
								Maximum	10.0	4.0	0.09	4.0	2.2	1.2	11	125	182	181	175	1025	1062	
								Median	9.7	0.036	0.015	0.015	1.1	nc	3.8	1.1	90	82	64	61	88	
								Average	8.6	0.35	0.023	0.34	1.1	nc	5.1	11	94	83	84	296	316	
								Std. Deviation	nc	1.1	0.022	1.1	0.67	nc	3.2	33	57	70	53	393	404	
								75th Percentile	nc	0.10	0.028	0.068	1.6	nc	7.8	3.1	137	127	129	679	707	

Appendix E.3
Acid Base Accounting Results
Waste Rock, Ore and Tailing
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

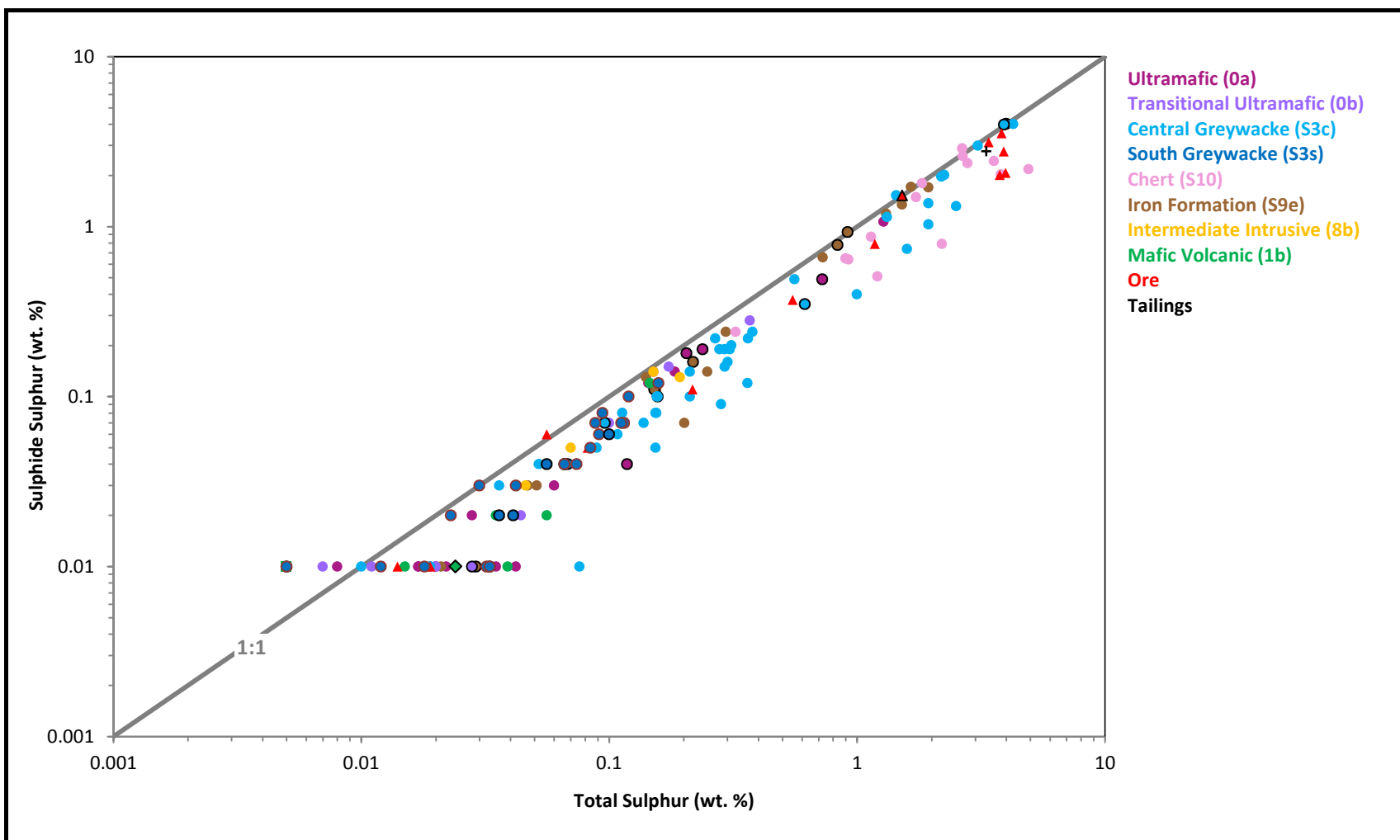
Sample ID	Borehole ID	Depth (m)		Lithology Code	Rock Name	Sample Type		Distance to Ore	ABA													ARD Potential
		From	To						Paste pH	Sulphur (total)	Acid Leachable SO4-S	Sulphide	Carbon (total)	Graphitic Carbon	Carbonate (Graphite Corrected)	AP	NP	Net NP	CaNP	CaNPR	NPR	
									%						t CaCO3/1000 t				ratio			
AMQ-ENV15-009	AMQ15-232	92	102	S3C	Central Greywacke	Waste	Core	0	9.1	1.9	0.57	1.4	0.54	0.16	0.55	61	13	-30	9.1	0.15	0.21	PAG
AMQ-ENV15-025	IVR14-141	139	148	S3C	Central Greywacke	Waste	Core	0	9.7	1.9	0.91	1.0	1.3	0.5	1.8	61	65	33	30	0.5	1.1	PAG
AMQ-ENV-28	IVR14-120	14	25	S3C	Central Greywacke	Waste	Core	18	8.3	0.56	0.07	0.49	0.045	0.01	0.17	17	8.9	5.7	2.8	0.16	0.51	PAG
AMQ-ENV-29	IVR14-120	33	42	S3C	Central Greywacke	Waste	Core	7	8.5	3.1	0.08	3.0	0.7	0.48	0.55	96	16	-66	9.2	0.096	0.17	PAG
AMQ-ENV-34	IVR14-121A	22	31	S3C	Central Greywacke	Waste	Core	4	9.4	2.3	0.24	2.0	1.3	0.96	0.79	70	20	-25	13	0.19	0.28	PAG
AMQ-ENV-40	IVR14-118	14	23	S3C	Central Greywacke	Waste	Core	23	9.3	1.3	0.18	1.1	0.29	0.12	0.81	41	14	-15	14	0.33	0.34	PAG
AMQ-ENV-109	IVR14-146	10	19	S3C	Central Greywacke	Waste	Core	5	9.5	0.089	0.04	0.05	0.055	< 0.01	0.24	2.8	9.6	15	3.9	1.4	3.5	non PAG
AMQ-ENV15-042	AMQ15-178	210	220	S3C	Central Greywacke	Waste	Core	17	9.8	0.11	0.05	0.06	0.095	< 0.01	0.31	3.4	15	13	5.2	1.5	4.4	uncertain
AMQ-ENV15-008	AMQ15-232	69	79	S3C	Central Greywacke	Waste	Core	21	9.4	2.5	1.2	1.3	1.4	1.0	0.05	78	28	-13	0.83	0.011	0.36	PAG
AMQ-ENV15-091	IVR14-079	16	24	S3C	Central Greywacke	Waste	Core	16	8.5	1.4	< 0.01	1.5	0.27	0.03	0.27	45	11	-37	4.4	0.099	0.24	PAG
AMQ-ENV15-098	IVR14-089	92	102	S3C	Central Greywacke	Waste	Core	19	9.8	0.38	0.14	0.24	0.036	< 0.01	0.07	12	12	5.0	1.2	0.099	1.0	PAG
AMQ-ENV15-097	IVR14-091	190	200	S3C	Central Greywacke	Waste	Core	23	9.9	0.36	0.24	0.12	0.15	< 0.01	0.38	11	20	16	6.3	0.56	1.8	PAG
AMQ-ENV15-106	IVR14-099	95	104	S3C	Central Greywacke	Waste	Core	23	9.9	0.36	0.14	0.22	0.077	< 0.01	0.14	11	15	8.0	2.3	0.21	1.3	PAG
AMQ-ENV15-064	IVR14-114	105	114	S3C	Central Greywacke	Waste	Core	40	9.6	0.29	0.1	0.19	0.036	< 0.01	0.085	9.1	11	4.8	1.4	0.16	1.2	PAG
AMQ-ENV15-048	IVR14-141	119	129	S3C	Central Greywacke	Waste	Core	11	9.8	0.15	0.07	0.08	0.47	0.04	1.6	4.8	37	34	27	5.5	7.7	non PAG
AMQ-ENV15-073	IVR14-153	45	55	S3C	Central Greywacke	Waste	Core	3	9.8	0.21	0.07	0.14	0.024	< 0.01	0.04	6.6	11	6.5	0.67	0.1	1.7	PAG
AMQ-ENV15-075	IVR14-153	90	100	S3C	Central Greywacke	Waste	Core	12	9.7	1.0	0.6	0.4	0.19	< 0.01	0.46	31	19	6.7	7.7	0.25	0.61	PAG
AMQ-ENV15-074	IVR14-153	150	160	S3C	Central Greywacke	Waste	Core	3	9.8	0.3	0.14	0.16	0.11	< 0.01	0.27	9.4	16	11	4.5	0.48	1.7	PAG
AMQ-ENV-03	IVR14-130	62	71	S3C	Central Greywacke	Waste	Core	50	9.3	0.27	0.05	0.22	0.056	< 0.01	0.27	8.4	4.4	14	4.4	0.53	0.53	PAG
AMQ-ENV-11	IVR14-116	175	184	S3C	Central Greywacke	Waste	Core	30	10	0.28	0.19	0.09	0.16	0.01	0.75	8.8	20	27	12	1.4	2.3	uncertain
AMQ-ENV-12	IVR14-116	250	259	S3C	Central Greywacke	Waste	Core	35	9.8	0.076	0.08	< 0.01	0.11	0.01	0.53	2.4	16	32	8.8	3.7	6.7	non PAG
AMQ-ENV-13	IVR14-123	9	19	S3C	Central Greywacke	Waste	Core	27	9.2	0.11	0.03	0.08	0.077	< 0.01	0.37	3.5	11	23	6.1	1.7	3.1	uncertain
AMQ-ENV-14	IVR14-123	21	30	S3C	Central Greywacke	Waste	Core	19	9.6	0.16	0.06	0.1	0.044	0.02	0.15	4.9	9.8	16	2.4	0.49	2.0	PAG
AMQ-ENV-18	IVR14-114	18	27	S3C	Central Greywacke	Waste	Core	25	9.8	0.31	0.12	0.19	0.086	0.01	0.39	9.6	14	20	6.5	0.68	1.5	PAG
AMQ-ENV-19	IVR14-114	75	84	S3C	Central Greywacke	Waste	Core	24	9.7	0.16	0.08	0.08	0.079	< 0.01	0.37	4.8	14	37	6.1	1.3	2.9	uncertain
AMQ-ENV-20	IVR14-114	190	199	S3C	Central Greywacke	Waste	Core	11	10.0	0.15	0.1	0.05	0.1	0.01	0.46	4.8	16	28	7.7	1.6	3.3	uncertain
AMQ-ENV-36	IVR14-121A	75	84	S3C	Central Greywacke	Waste	Core	14	9.2	2.2	0.22	2.0	0.29	0.03	1.3	68	21	-23	21	0.3	0.31	PAG
AMQ-ENV-37	IVR14-121A	95	104	S3C	Central Greywacke	Waste	Core	24	9.5	0.16	0.06	0.1	0.22	0.02	1.1	4.9	23	28	18	3.6	4.7	non PAG
AMQ-ENV-41	IVR14-118	86	96	S3C	Central Greywacke	Waste	Core	21	10	0.019	0.02	< 0.01	0.08	0.01	0.37	0.59	15	35	6.2	10	25	non PAG
AMQ-ENV-46	IVR14-130	149	155	S3C	Central Greywacke	Waste	Core	21	9.9	0.14	0.07	0.07	0.12	< 0.01	0.57	4.3	17	21	9.5	2.2	3.9	non PAG
AMQ-ENV15-006	AMQ15-232	21	31	S3C	Central Greywacke	Waste	Core	21	9.2	0.01	0.01	< 0.01	0.35	< 0.01	1.6	0.31	51	51	26	84	163	non PAG
AMQ-ENV15-012	AMQ15-241	15	25	S3C	Central Greywacke	Waste	Core	44	9.4	0.052	0.01	0.04	0.11	< 0.01	0.39	1.6	28	27	6.5	4.0	17	non PAG
AMQ-ENV15-004	AMQ15-245a	32	42	S3C	Central Greywacke	Waste	Core	36	9.6	0.036	< 0.01	0.03	0.19	< 0.01	0.76	1.1	36	36	13	11	32	non PAG
AMQ-ENV15-005	AMQ15-245a	45	55	S3C	Central Greywacke	Waste	Core	25	9.3	< 0.005	< 0.01	< 0.01	0.56	< 0.01	2.5	< 0.16	61	61	42	269	390	non PAG
AMQ-ENV15-108	IVR14-099	150	160	S3C	Central Greywacke	Waste	Core	22	9.9	0.29	0.14	0.15	0.071	< 0.01	0.16	9.2	13	8.5	2.6	0.28	1.4	PAG
AMQ-ENV15-065	IVR14-114	125	135	S3C	Central Greywacke	Waste	Core	29	9.9	0.31	0.11	0.2	0.062	< 0.01	0.15	9.7	14	7.7	2.5	0.26	1.4	PAG
AMQ-ENV15-066	IVR14-114	148	157	S3C	Central Greywacke	Waste	Core	21	9.7	0.28	0.09	0.19	0.054	< 0.01	0.12	8.7	14	8.1	1.9	0.22	1.6	PAG
AMQ-ENV15-112	IVR14-125A	310	320	S3C	Central Greywacke	Waste	Core	6	10	1.6	0.85	0.74	0.49	0.38	0.075	50	13	-10	1.3	0.025	0.26	PAG
AMQ-ENV15-054	IVR14-150	35	45	S3C	Central Greywacke	Waste	Core	30	8.4	4.3	0.26	4.0	0.28	< 0.01	0.55	133	30	-95	9.2	0.069	0.22	PAG
AMQ-ENV15-107	IVR14-099	115	125	S3C	Central Greywacke	Waste	Core	32	10.0	0.21	0.11	0.1	0.08	< 0.01	0.21	6.6	15	12	3.5	0.53	2.3	PAG
AMQ-ENV-48	IVR14-016	70	80	S3C	Central Greywacke	Waste	Reject	0	8.4	3.9	< 0.01	4.0	1.1	0.38	1.5	123	32	-40	25	0.2	0.26	PAG
AMQ-ENV-53	IVR14-084	150	161	S3C	Central Greywacke	Waste	Reject	10	9.8	0.62	0.27	0.35	0.39	0.07	0.89	19	27	27	15	0.77	1.4	PAG
AMQ-ENV-63	IVR14-092	80	88	S3C	Central Greywacke	Waste	Reject	54	10	0.068	0.03	0.04	0.76	< 0.01	3.4	2.1	84	78	57	27	40	non PAG
Central Greywacke - S3C								Minimum	8.3	< 0.005	< 0.01	< 0.01	0.024	< 0.01	0.04	< 0.16	4.4	-95	0.67	0.011	0.17	Bulk CaNPR = 0.43 PAG
								Maximum	10	4.3	1.2	4.0	1.4	1.0	3.4	133	84	78	57	269	390	
								Median	9.7	0.29	0.09	0.16	0.12	nc	0.39	9.1	16	13	6.5	0.5	1.6	
								Average	9.2	0.79	0.18	0.61	0.3	nc	0.64	25	22	9.3	11	10	17	
								Std. Deviation	nc	1.1	0.26	1.0	0.36	nc	0.69	34	16	31	12	43	64	
								75th Percentile	nc	1.2	0.19	0.62	0.37	nc	0.78	36	25	28	13	1.7	3.7	
AMQ-ENV-112	IVR14-131	1																				

Appendix E.3
Acid Base Accounting Results
Waste Rock, Ore and Tailing
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

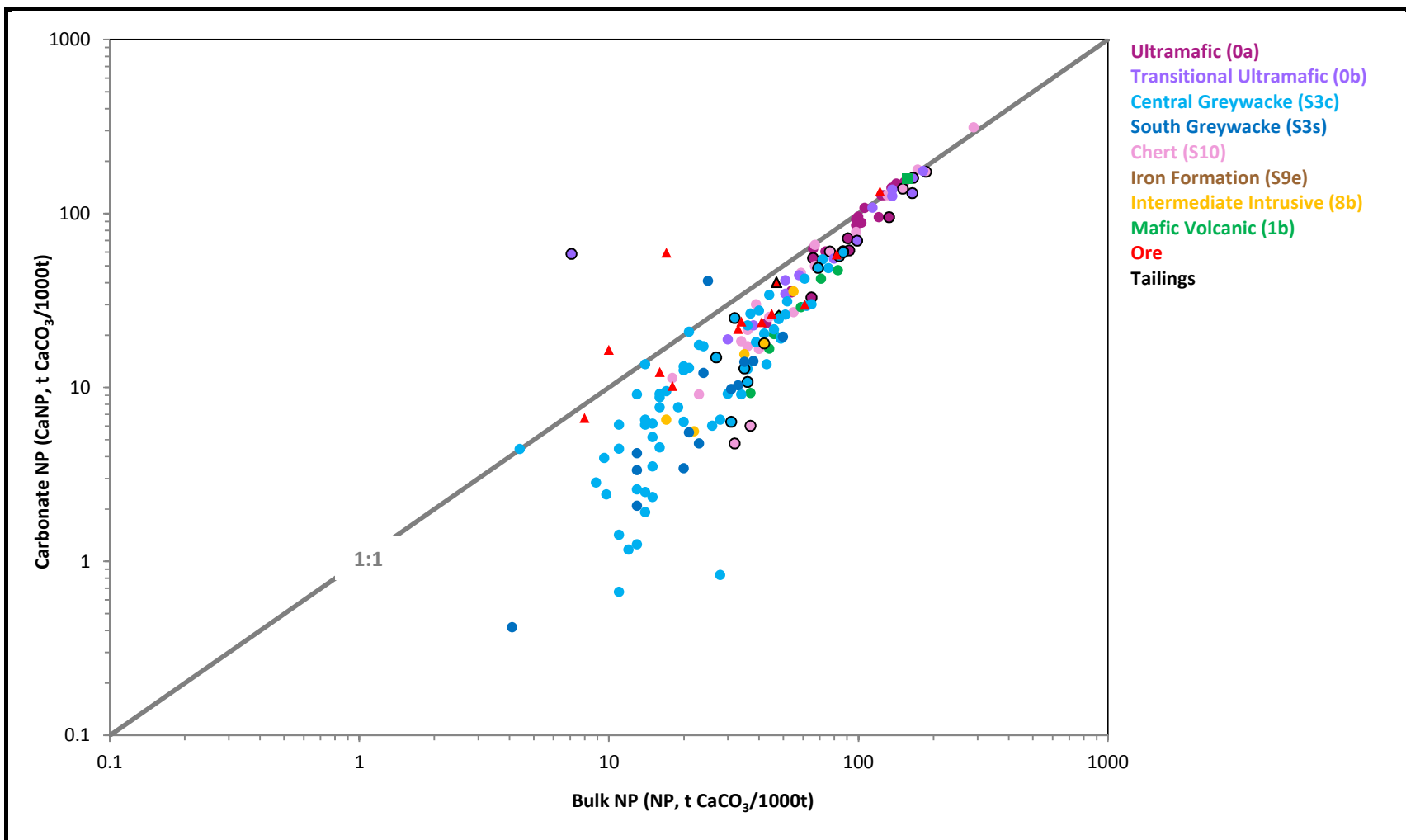
Sample ID	Borehole ID	Depth (m)		Lithology Code	Rock Name	Sample Type		Distance to Ore	ABA													ARD Potential
		From	To						Paste pH	Sulphur (total)	Acid Leachable SO4-S	Sulphide	Carbon (total)	Graphitic Carbon	Carbonate (Graphite Corrected)	AP	NP	Net NP	CaNP	CaNPR	NPR	
									%						t CaCO3/1000 t				ratio			
AMQ-ENV15-019	AMQ15-167	47	57	S10	Chert	Waste	Core	0	8.8	2.7	< 0.01	2.9	0.71	0.27	0.33	83	21	-69	5.5	0.066	0.25	PAG
AMQ-ENV15-133	AMQ15-433-01	20	30	S10	Chert	Waste	Core	-	8.6	2.8	0.43	2.4	0.49	< 0.05	0.13	87	13	-61	2.1	0.024	0.15	PAG
AMQ-ENV15-141	AMQ15-481-02	225	235	S10	Chert	Waste	Core	-	10	0.92	0.28	0.64	0.75	0.4	2.5	29	25	5.0	41	1.4	0.87	uncertain
AMQ-ENV15-046	AMQ15-188	65	75	S10	Chert	Waste	Core	22	9.0	2.7	0.07	2.6	0.51	< 0.01	0.62	83	33	-49	10	0.12	0.4	PAG
AMQ-ENV15-037	AMQ15-193	15	25	S10	Chert	Waste	Core	9	5.9	3.8	1.8	2.0	1.0	0.94	< 0.025	119	4.1	-59	< 0.42	0.0035	0.035	PAG
AMQ-ENV15-007	AMQ15-232	50	60	S10	Chert	Waste	Core	2	9.5	1.7	0.24	1.5	2.1	1.4	1.2	54	50	3.0	20	0.36	0.92	PAG
AMQ-ENV15-092	IVR14-079	64	72	S10	Chert	Waste	Core	6	9.1	3.6	1.1	2.4	0.72	0.18	0.85	112	38	-38	14	0.13	0.34	PAG
AMQ-ENV15-088	IVR14-089	35	45	S10	Chert	Waste	Core	13	8.8	4.9	2.7	2.2	0.97	0.69	0.29	154	23	-45	4.8	0.031	0.15	PAG
AMQ-ENV15-095	IVR14-091	80	90	S10	Chert	Waste	Core	1	9.6	0.9	0.25	0.65	0.55	0.18	0.72	28	24	4.2	12	0.43	0.85	PAG
AMQ-ENV15-096	IVR14-091	130	140	S10	Chert	Waste	Core	27	9.8	1.2	0.7	0.51	1.6	1.1	0.84	38	35	19	14	0.37	0.93	PAG
AMQ-ENV15-085	IVR14-125A	370	380	S10	Chert	Waste	Core	11	9.1	2.2	1.4	0.79	0.16	< 0.01	0.21	69	20	-4.3	3.4	0.05	0.29	PAG
AMQ-ENV15-058	IVR14-147	35	45	S10	Chert	Waste	Core	12	8.5	1.8	0.03	1.8	0.14	< 0.01	0.25	57	13	-43	4.2	0.073	0.23	PAG
AMQ-ENV15-056	IVR14-148	37	47	S10	Chert	Waste	Core	10	9.4	0.32	0.08	0.24	0.081	< 0.01	0.2	10	13	5.6	3.3	0.33	1.3	PAG
AMQ-ENV15-115	IVR14-155	335	345	S10	Chert	Waste	Core	9	10	1.1	0.27	0.87	0.53	0.15	0.59	36	31	3.5	9.8	0.27	0.87	PAG
Chert - S10								Minimum	5.9	0.32	< 0.01	0.24	0.081	< 0.01	< 0.025	10	4.1	-69	< 0.42	0.0035	0.035	Bulk CaNPR = 0.15 PAG
								Maximum	10	4.9	2.7	2.9	2.1	1.4	2.5	154	50	19	41	1.4	1.3	
								Median	9.1	2.0	0.28	1.6	0.63	0.18	0.46	63	24	-21	7.6	0.12	0.37	
								Average	7.0	2.2	0.67	1.5	0.73	0.39	0.62	68	25	-23	10	0.26	0.54	
								Std. Deviation	nc	1.3	0.81	0.9	0.55	0.46	0.62	41	12	31	10	0.36	0.39	
								75th Percentile	nc	2.8	1.0	2.3	0.91	0.62	0.81	86	33	4.0	14	0.35	0.87	
AMQ-ENV15-035	AMQ15-211	36	46	S9E	Iron Formation	Waste	Core	0	9.0	1.5	0.17	1.4	0.18	< 0.01	0.55	48	23	-19	9.1	0.19	0.48	PAG
AMQ-ENV15-099	IVR14-089	161	171	S9E	Iron Formation	Waste	Core	0	9.1	0.051	0.02	0.03	2.2	< 0.01	11	1.6	173	172	178	112	109	non PAG
AMQ-ENV-17	IVR14-123	168	177	S9E	Iron Formation	Waste	Core	23	9.6	0.028	0.03	< 0.01	0.26	< 0.01	1.3	0.88	36	45	21	24	41	non PAG
AMQ-ENV-42	IVR14-118	201	213	S9E	Iron Formation	Waste	Core	16	9.9	0.2	0.13	0.07	0.14	0.02	0.68	6.3	18	31	11	1.8	2.9	uncertain
AMQ-ENV-43	IVR14-118	264	276	S9E	Iron Formation	Waste	Core	37	9.4	0.033	0.03	< 0.01	3.8	0.01	19	1.0	290	278	312	302	281	non PAG
AMQ-ENV-125	IVR14-152	175	184	S9E	Iron Formation	Waste	Core	12	9.8	0.25	0.11	0.14	0.31	< 0.01	1.5	7.8	44	45	25	3.3	5.7	non PAG
AMQ-ENV15-027	AMQ15-164	45	55	S9E	Iron Formation	Waste	Core	3	9.3	1.3	0.12	1.2	0.3	< 0.01	1.0	41	36	-0.89	17	0.42	0.88	PAG
AMQ-ENV15-034	AMQ15-180	110	119	S9E	Iron Formation	Waste	Core	4	9.2	1.9	0.24	1.7	0.32	< 0.01	1.1	61	34	-19	18	0.3	0.56	PAG
AMQ-ENV15-045	AMQ15-188	115	125	S9E	Iron Formation	Waste	Core	4	9.2	0.3	0.06	0.24	0.65	< 0.01	3.0	9.3	67	59	50	5.4	7.2	non PAG
AMQ-ENV15-038	AMQ15-193	43	53	S9E	Iron Formation	Waste	Core	11	9.0	0.73	0.07	0.66	0.44	< 0.01	1.6	23	55	35	27	1.2	2.4	uncertain
AMQ-ENV15-039	AMQ15-193	85	95	S9E	Iron Formation	Waste	Core	12	9.7	0.021	0.01	0.01	1.0	< 0.01	4.7	0.66	98	98	78	119	149	non PAG
AMQ-ENV15-086	IVR14-016	130	140	S9E	Iron Formation	Waste	Core	6	9.7	0.14	0.01	0.13	0.4	< 0.01	1.8	4.4	39	35	30	6.8	8.9	non PAG
AMQ-ENV15-021	AMQ15-161	138	148	S9E	Iron Formation	Waste	Core	7	9.3	0.16	0.04	0.11	0.58	< 0.01	2.7	4.8	59	56	45	9.4	12	non PAG
AMQ-ENV15-040	AMQ15-178	40	50	S9E	Iron Formation	Waste	Core	35	9.0	0.047	0.02	0.03	1.6	< 0.01	7.6	1.5	131	130	127	86	89	non PAG
AMQ-ENV15-041	AMQ15-178	90	100	S9E	Iron Formation	Waste	Core	36	9.1	< 0.005	< 0.01	< 0.01	0.83	< 0.01	4.0	< 0.16	67	67	66	422	429	non PAG
AMQ-ENV15-010	AMQ15-232	116	124	S9E	Iron Formation	Waste	Core	5	9.0	1.7	< 0.01	1.7	0.32	< 0.01	0.99	52	40	-13	17	0.32	0.78	PAG
AMQ-ENV-47	IVR14-016	130	140	S9E	Iron Formation	Waste	Reject	6	9.9	0.22	0.06	0.16	0.81	< 0.01	3.6	6.8	87	79	61	8.9	13	non PAG
AMQ-ENV-56	IVR14-055	95	105	S9E	Iron Formation	Waste	Reject	8	9.5	0.83	0.05	0.78	0.21	< 0.01	0.36	26	37	22	6.0	0.23	1.4	PAG
AMQ-ENV-57	IVR14-056	21	31	S9E	Iron Formation	Waste	Reject	9	8.9	0.92	< 0.01	0.93	0.13	< 0.01	0.29	29	32	-13	4.8	0.17	1.1	PAG
AMQ-ENV-59	IVR14-056	80	90	S9E	Iron Formation	Waste	Reject	34	9.7	0.029	0.02	0.01	1.7	< 0.01	8.3	0.91	151	147	139	153	167	non PAG
AMQ-ENV-72	IVR14-097	99	111	S9E	Iron Formation	Waste	Reject	21	9.8	0.16	0.06	0.1	2.2	< 0.01	10	4.9	187	179	173	35	38	non PAG
AMQ-ENV-64	IVR14-092	216	227	S9E	Iron Formation	Waste	Reject	17	9.9	0.15	0.04	0.11	0.78	< 0.01	3.6	4.8	77	71	60	13	16	non PAG
Iron Formation - S9E								Minimum	8.9	< 0.005	< 0.01	< 0.01	0.13	< 0.01	0.29	< 0.16	18	-19	4.8	0.17	0.48	Bulk CaNPR = 4.4 Non PAG
								Maximum	9.9	1.9	0.24	1.7	3.8	0.02	19	61	290	278	312	422	429	
								Median	9.4	0.18	0.04	0.12	0.51	nc	2.3	5.6	57	50	38	7.9	11	
								Average	9.3	0.49	0.06	0.43	0.87	nc	4.0	15	81	67	67	59	63	
								Std. Deviation	nc	0.61	0.06	0.58	0.91	nc	4.6	19	67	75	76	109	109	
								75th Percentile	nc	0.81	0.068	0.75	0.98	nc	4.5	25	95	93	75	74	77	
AMQ-ENV-114	IVR14-144	16	25	8b	Intermediate Intrusive	Waste	Core	381	10.0	0.046	0.02	0.03	0.078	< 0.01	0.39	1.4	17	38	6.5	4.5	12	non PAG
AMQ-ENV15-002	AMQ15-187	18	25	8b	Intermediate Intrusive	Waste	Core	66	9.3	0.15	0.01	0.14	0.11	< 0.01	0.34	4.7	22	17	5.6	1.2	4.7	uncertain
AMQ-ENV15-100	IVR14-087	9	18	8b	Intermediate Intrusive	Waste	Core	128	9.6	0.19	0.06	0.13	0.28	< 0.01	0.93	6.0	35	31	15	2.6	5.8	non PAG
AMQ-ENV15-077	IVR14-156	15	25	8b	Intermediate Intrusive	Waste	Core	95	9.8	0.07	0.02	0.05	0.51	< 0.01	2.1	2.2	55	53	36	16	25	non PAG
AMQ-ENV-65	IVR14-110	70	80	8b	Intermediate Intrusive	Waste	Reject	274	9.7	0.066	0.03	0.04	0.3	< 0.01	1.1	2.1	42	33	18	8.7	20	non PAG
Intermediate Intrusive - 8b								Minimum	9.3	0.046	0.01	0.03	0.078	< 0.01	0.34	1.4	17	17	5.6	1.2	4.7	Bulk CaNPR = 4.9 Non PAG
								Maximum	10.0	0.19	0.06	0.14	0.51	< 0.01	2.1	6.0	55	53	36	16	25	
								Median	9.7	0.07	0.02	0.05	0.28	nc	0.93	2.2	35	33	15	4.5	12	
								Average	9.6	0.11	0.028	0.078	0.25	nc	0.97	3.3	34	35	16	6.6	14	
								Std. Deviation	nc	0.063	0.019	0.053	0.17	nc	0.72	2.0	15	13	12	6.1	9.0	
								75th Percentile	nc	0.15	0.03	0.13	0.3	nc	1.1	4.7	42	38	18	8.7	20	

Appendix E.3
Acid Base Accounting Results
Waste Rock, Ore and Tailing
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

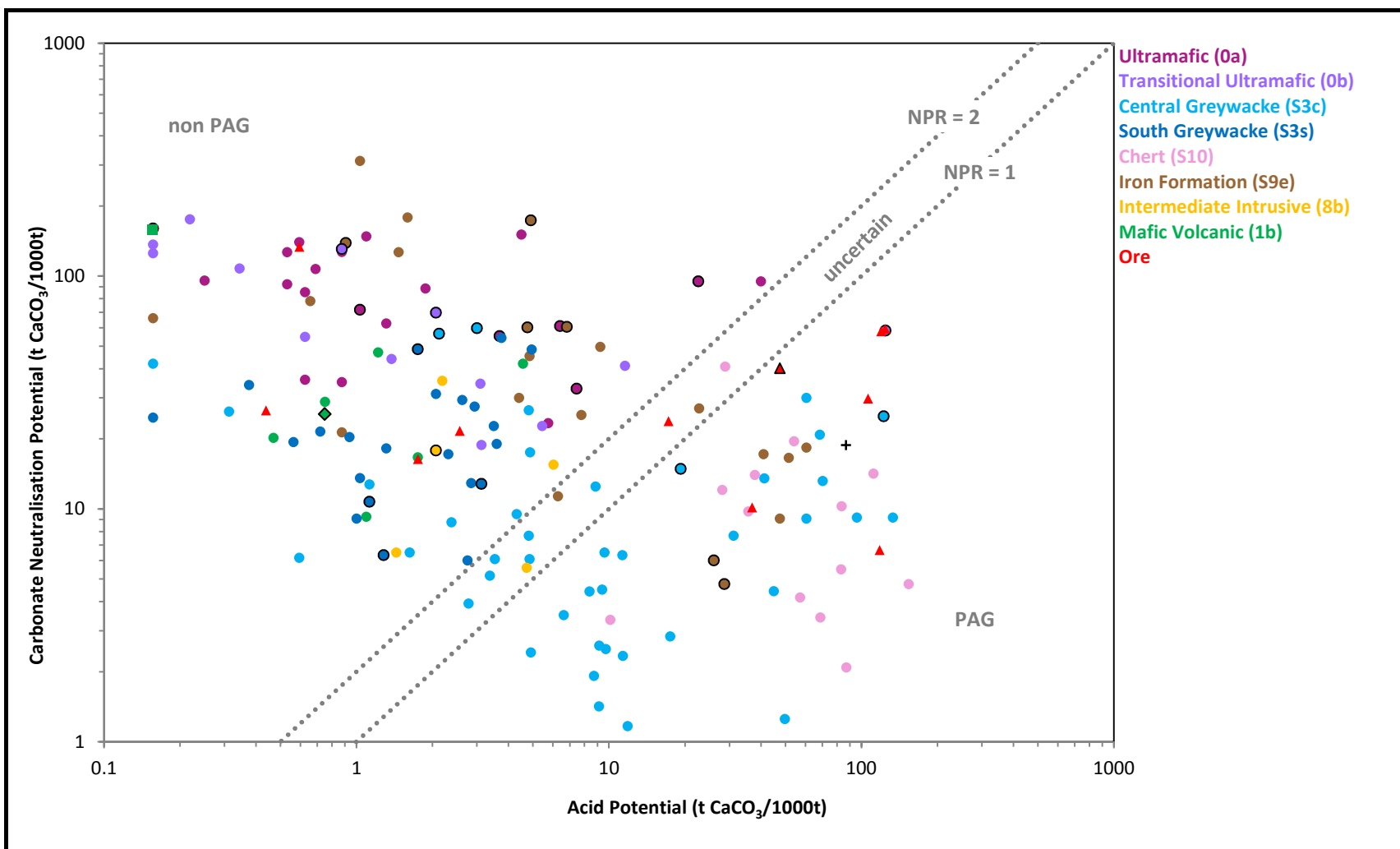
Sample ID	Borehole ID	Depth (m)		Lithology Code	Rock Name	Sample Type		Distance to Ore	ABA													ARD Potential
		From	To						Paste pH	Sulphur (total)	Acid Leachable SO4-S	Sulphide	Carbon (total)	Graphitic Carbon	Carbonate (Graphite Corrected)	AP	NP	Net NP	CaNP	CaNPR	NPR	
									%						t CaCO3/1000 t						ratio	
AMQ-ENV-01	IVR14-130	11	20	1b	Mafic Volcanic (near UM contact)	Waste	Core	50	9.7	< 0.005	< 0.01	< 0.01	1.9	< 0.01	9.5	< 0.16	158	149	158	1011	1011	non PAG
AMQ-ENV-07	IVR14-116	16	25	1b	Mafic Volcanic	Waste	Core	47	8.8	0.039	0.03	0.01	0.57	< 0.01	2.8	1.2	83	76	47	39	68	non PAG
AMQ-ENV-08	IVR14-116	30	39	1b	Mafic Volcanic	Waste	Core	36	9.8	0.056	0.04	0.02	0.21	< 0.01	1.0	1.8	44	50	17	9.5	25	non PAG
AMQ-ENV-118	IVR14-151	200	209	1b	Mafic Volcanic	Waste	Core	31	10.0	0.15	0.03	0.12	0.54	0.02	2.5	4.6	71	67	42	9.2	16	non PAG
AMQ-ENV15-104	IVR14-087	100	110	1b	Mafic Volcanic	Waste	Core	31	9.8	0.015	< 0.01	0.01	0.28	< 0.01	1.2	0.47	46	46	20	43	98	non PAG
AMQ-ENV15-094	IVR14-091	41	51	1b	Mafic Volcanic	Waste	Core	42	9.6	0.024	0.01	0.01	0.42	< 0.01	1.7	0.75	59	59	29	38	79	non PAG
AMQ-ENV15-024	IVR14-141	38	47	1b	Mafic Volcanic	Waste	Core	67	9.7	0.035	0.02	0.02	0.15	< 0.01	0.56	1.1	37	36	9.3	8.5	34	non PAG
AMQ-ENV-51	IVR14-103	218	228	1b	Mafic Volcanic (prev. logged GW)	Waste	Reject	36	10.0	0.024	0.02	< 0.01	0.35	< 0.01	1.5	0.75	48	52	26	34	64	non PAG
Mafic Volcanic - 1b								Minimum	8.8	< 0.005	< 0.01	< 0.01	0.15	< 0.01	0.56	< 0.16	37	36	9.3	8.5	16	Bulk CaNPR = 32 Non PAG
								Maximum	10.0	0.15	0.04	0.12	1.9	0.02	9.5	4.6	158	149	158	1011	1011	
								Median	9.8	0.03	0.02	0.01	0.38	nc	1.6	0.92	54	55	27	36	66	
								Average	9.5	0.043	0.021	0.026	0.55	nc	2.6	1.3	68	67	43	149	174	
								Std. Deviation	nc	0.044	0.011	0.038	0.57	nc	2.9	1.4	39	35	48	349	339	
								75th Percentile	nc	0.043	0.03	0.02	0.55	nc	2.6	1.4	74	69	43	40	84	
AMQ-ENV15-089	IVR14-079	78	88	S9E	Ultramafic	Ore	Core	0	8.9	3.4	0.26	3.1	0.51	< 0.01	1.8	106	61	-37	30	0.28	0.57	PAG
AMQ-ENV15-134	AMQ15-433-02	32	42	S10	ALTV41	Ore	Core	0	9.4	3.8	1.8	2.0	0.26	0.1	0.4	118	8.0	-55	6.7	0.057	0.068	PAG
AMQ-ENV15-135	AMQ15-433-03	67	75	0a	ALTV42	Ore	Core	0	9.8	0.056	< 0.01	0.06	0.23	< 0.05	0.98	1.8	10	8.1	16	9.4	5.7	non PAG
AMQ-ENV15-136	AMQ15-438-01	32	33	S10	QZ3	Ore	Core	0	9.9	0.014	< 0.01	0.01	0.4	< 0.05	1.6	0.44	45	45	27	61	103	non PAG
AMQ-ENV15-137	AMQ15-438-02	33	38	0a	QZ4	Ore	Core	0	9.4	0.019	< 0.01	0.01	1.7	< 0.05	8.0	0.59	122	122	134	225	205	non PAG
AMQ-ENV15-138	AMQ15-438-03	66	78	S10/UM	QZ2	Ore	Core	0	9.4	4.0	1.9	2.1	1.0	0.75	3.6	124	17	-48	59	0.48	0.14	PAG
AMQ-ENV15-139	AMQ15-438-04	88	98	S10	QZ2	Ore	Core	0	9.9	1.2	0.39	0.79	0.25	0.06	0.61	37	18	-6.7	10	0.28	0.49	PAG
AMQ-ENV15-140	AMQ15-481-01	190	200	S3C	QZ3	Ore	Core	0	10	0.082	0.03	0.05	0.33	< 0.05	1.3	2.6	33	31	22	8.5	13	non PAG
AMQ-ENV15-142	AMQ15-481-03	254	259	S3C	QZ2	Ore	Core	0	9.9	0.55	0.18	0.37	0.42	< 0.05	1.4	17	34	22	24	1.4	2.0	uncertain
AMQ-ENV15-143	AMQ15-481-04	262	272	S3C	QZ2	Ore	Core	0	10.0	0.22	0.11	0.11	0.23	< 0.05	0.73	6.8	16	13	12	1.8	2.4	uncertain
AMQ-ENV15-144	AMQ15-481-05	390	400	S3C	ALTV41	Ore	Core	0	9.8	3.9	1.1	2.8	0.64	< 0.05	1.4	122	41	-46	24	0.19	0.34	PAG
AMQ-ENV15-076	IVR14-156	145	155	0b	Ultramafic	Ore	Core	0	8.5	3.8	0.29	3.5	2.2	1.2	3.5	120	82	-29	58	0.48	0.69	PAG
AMQ-ENV-52	IVR14-084	72	84	0b	Ultramafic	Ore	Reject	0	9.4	1.5	< 0.01	1.5	0.74	0.16	2.4	48	47	2.2	40	0.85	0.99	PAG
Ore								Minimum	8.5	0.014	< 0.01	0.01	0.23	< 0.01	0.4	0.44	8.0	-55	6.7	0.057	0.068	Bulk CaNPR = 0.66 PAG
								Maximum	10	4.0	1.9	3.5	2.2	1.2	8.0	124	122	122	134	225	205	
								Median	9.8	1.2	0.18	0.79	0.42	nc	1.4	37	34	2.2	24	0.85	0.99	
								Average	9.3	1.7	0.47	1.3	0.69	nc	2.1	54	41	1.7	36	24	26	
								Std. Deviation	nc	1.7	0.68	1.3	0.62	nc	2.0	55	32	48	34	63	61	
								75th Percentile	nc	3.8	0.39	2.1	0.74	nc	2.4	118	47	22	40	8.5	5.7	
RE-13872/RE-13874	-	-	-	-	Processed ore	Tailing	milling reject	0	8.6	3.3	0.54	2.8	0.61	0.15	1.1	87	-6.8	-94	19	0.22	-0.078	PAG
AMQ-ENV15-116	-	0	1.0	-	Overburden	Waste	Grab	-	6.2	< 0.005	< 0.01	< 0.01	1.0	< 0.01	< 0.025	< 0.31	2.3	2.0	< 0.42	1.3	7.4	non PAG
AMQ-ENV15-130	-	0	1.0	-	Overburden	Waste	Grab	-	6.2	< 0.005	< 0.01	< 0.01	1.8	< 0.01	0.035	< 0.31	2.2	1.9	0.58	1.9	7.0	non PAG
AMQ-ENV15-131	-	0	1.0	-	Overburden	Waste	Grab	-	7.1	< 0.005	< 0.01	< 0.01	0.37	< 0.01	< 0.025	< 0.31	3.3	3.0	< 0.42	1.3	11	non PAG
AMQ-ENV15-132	-	0	1.0	-	Overburden	Waste	Grab	-	7.7	< 0.005	< 0.01	< 0.01	0.11	< 0.01	< 0.025	< 0.31	3.7	3.4	< 0.42	1.3	12	non PAG
AMQ-ENV15-117	-	0	1.0	-	Overburden	Waste	Grab	-	7.2	< 0.005	< 0.01	< 0.01	0.36	< 0.01	< 0.025	< 0.31	5.8	5.5	< 0.42	1.3	19	non PAG
AMQ-ENV15-118	-	0	1.0	-	Overburden	Waste	Grab	-	7.1	< 0.005	< 0.01	< 0.01	0.58	< 0.01	0.055	< 0.31	8.4	8.1	0.92	2.9	27	non PAG
AMQ-ENV15-119	-	0	1.0	-	Overburden	Waste	Grab	-	7.5	< 0.005	< 0.01	< 0.01	0.51	< 0.01	0.03	< 0.31	5.8	5.5	0.5	1.6	19	non PAG
AMQ-ENV15-125	-	0	1.0	-	Overburden	Waste	Grab	-	7.4	< 0.005	< 0.01	< 0.01	0.53	< 0.01	< 0.025	< 0.31	4.9	4.6	< 0.42	1.3	16	non PAG
AMQ-ENV15-126	-	0	1.0	-	Overburden	Waste	Grab	-	8.5	< 0.005	< 0.01	< 0.01	0.11	< 0.01	< 0.025	< 0.31	6.1	5.8	< 0.42	1.3	20	non PAG
AMQ-ENV15-127	-	0	1.0	-	Overburden	Waste	Grab	-	8.5	< 0.005	< 0.01	< 0.01	0.18	0.01	< 0.025	< 0.31	6.5	6.2	< 0.42	1.3	21	non PAG
AMQ-ENV15-128	-	0	1.0	-	Overburden	Waste	Grab	-	8.1	< 0.005	< 0.01	< 0.01	0.25	< 0.01	< 0.025	< 0.31	5.5	5.2	< 0.42	1.3	18	non PAG
AMQ-ENV15-129	-	0	1.0	-	Overburden	Waste	Grab	-	7.2	< 0.005	< 0.01	< 0.01	0.65	< 0.01	< 0.025	< 0.31	4.1	3.8	< 0.42	1.3	13	non PAG
Overburden								Minimum	6.2	< 0.005	< 0.01	< 0.01	0.11	< 0.01	< 0.025	< 0.31	2.2	1.9	< 0.42	1.3	7.0	Bulk CaNPR = 1.5 Uncertain
								Maximum	8.5	< 0.005	< 0.01	< 0.01	1.8	0.01	0.055	< 0.31	8.4	8.1	0.92	2.9	27	
								Median	7.3	nc	nc	nc	0.44	nc	0.025	nc	5.2	4.9	0.42	1.3	17	
								Average	6.8	nc	nc	nc	0.54	nc	0.029	nc	4.9	4.6	0.48	1.5	16	
								Std. Deviation	nc	nc	nc	nc	0.48	nc	0.0088	nc	1.8	1.8	0.15	0.47	5.9	
								75th Percentile	nc	nc	nc	nc	0.6	nc	0.026	nc	5.9	5.6	0.44	1.4	19	
WTN-1	-	0	0.1	-	Lake Sediment	Waste	Grab	-	-	0.14	0.07	0.07	4.2	0.02	< 0.025	2.2	-5.0	-7.2	< 0.42	0.19	-2.3	non PAG
WTN-2	-	0	0.1	-	Lake Sediment	Waste	Grab	-	-	0.15	0.09	0.06	4.2	< 0.01	0.04	1.9	-4.1	-6.0	0.67	0.36	-2.2	non PAG
WTN-3	-	0	0.1	-	Lake Sediment	Waste	Grab	-	-	0.14	0.11	0.03	4.0	< 0.01	< 0.025	0.94	-3.2	-4.1	< 0.42	0.44	-3.4	non PAG
WTN-4	-	0	0.1	-	Lake Sediment	Waste	Grab	-	-	0.16	0.12	0.04	4.4	< 0.01	< 0.025	1.3	-4.3	-5.6	< 0.42	0.33	-3.4	non PAG
WTN-5	-	0	0.1	-	Lake Sediment	Waste	Grab	-	-	0.17	0.13	0.04	4.4	0.02	< 0.025	1.3	-5.5	-6.8	< 0.42	0.33	-4.4	non PAG
Lake Sediment								Minimum	< -	0.14	0.07	0.03	4.0	< 0.01	< 0.025	0.94	-5.5	-7.2	< 0.42	0.19	-4.4	Bulk CaNPR = 1.5 Uncertain
								Maximum	< -	0.17	0.13	0.07	4.4	0.02	0.04	2.2	-3.2	-4.1	0.67	0.44	-2.2	
								Median	nc	0.15	0.11	0.04	4.2	nc	0.025	1.3	-4.3	-6.0	0.42	0.33	-3.4	
								Average	nc	0.15	0.1	0.048	4.2	nc	0.028	1.5	-4.4	-5.9	0.47	0.33	-3.1	
								Std. Deviation	nc	0.012	0.024	0.016	0.16	nc	0.0067	0.51	0.88	1.2	0.11	0.091	0.92	
								75th Percentile	nc	0.16	0.12	0.06										



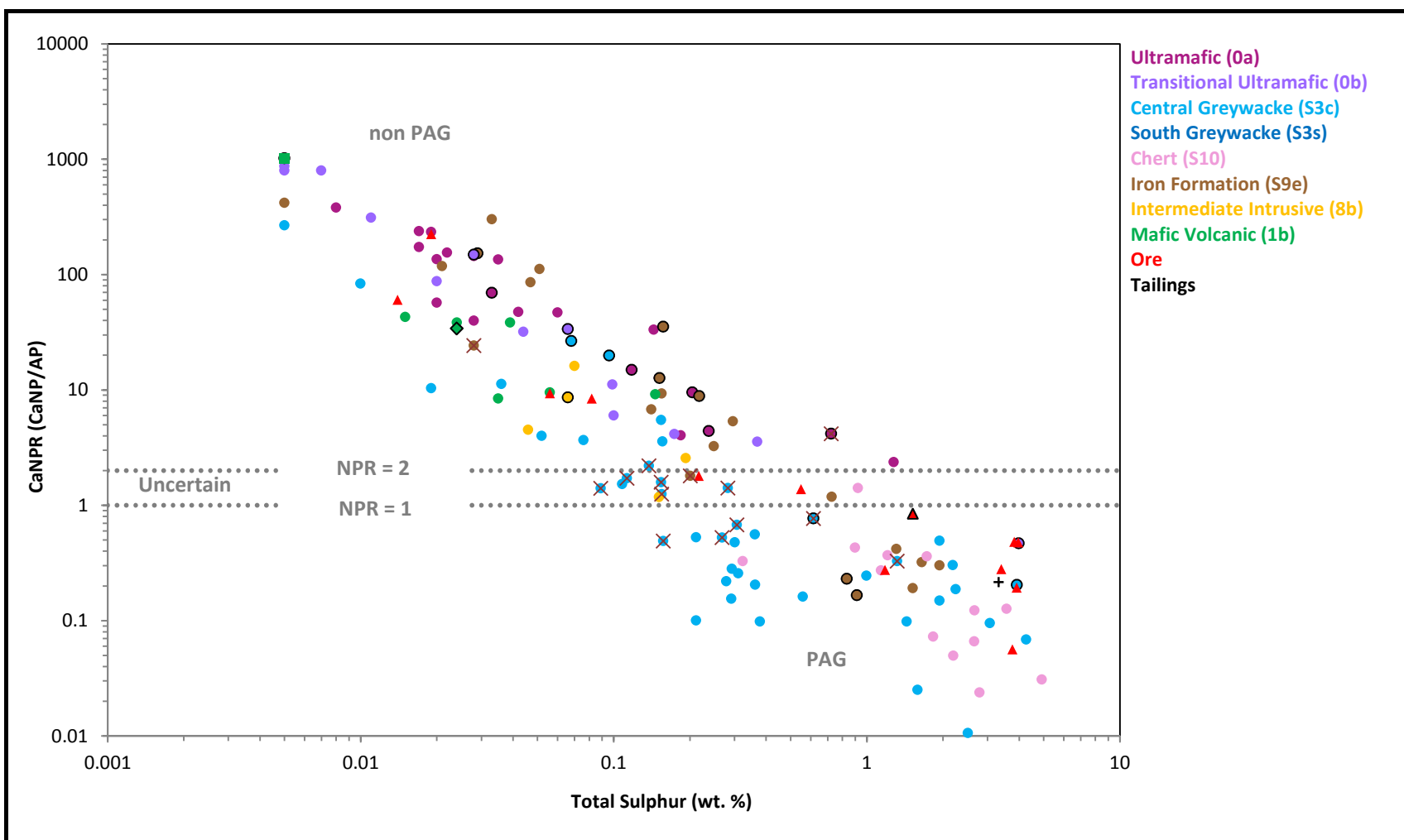
Notes: ● Open Pit ▲ Ore ■ near UM contact ◆ prev. logged GW Outlined symbols indicate reject samples.		Sulphide Sulphur versus Total Sulphur		Static Testing Whale Tail Pit	
Portage NWB Effluent Limit (0.3 mg/L)	PREPARED	CWT	DATE	May-16	Agnico Eagle Mines Limited Meadowbank Division 
Vault NWB Effluent Limit (0.1 mg/L)	CHECKED	JMC	JOB NO	1520817	
Values < MDL are plotted as MDL value	REVIEWED	VJB	PHASE/TASK	3000	
				APPENDIX FIGURE	E-3.1



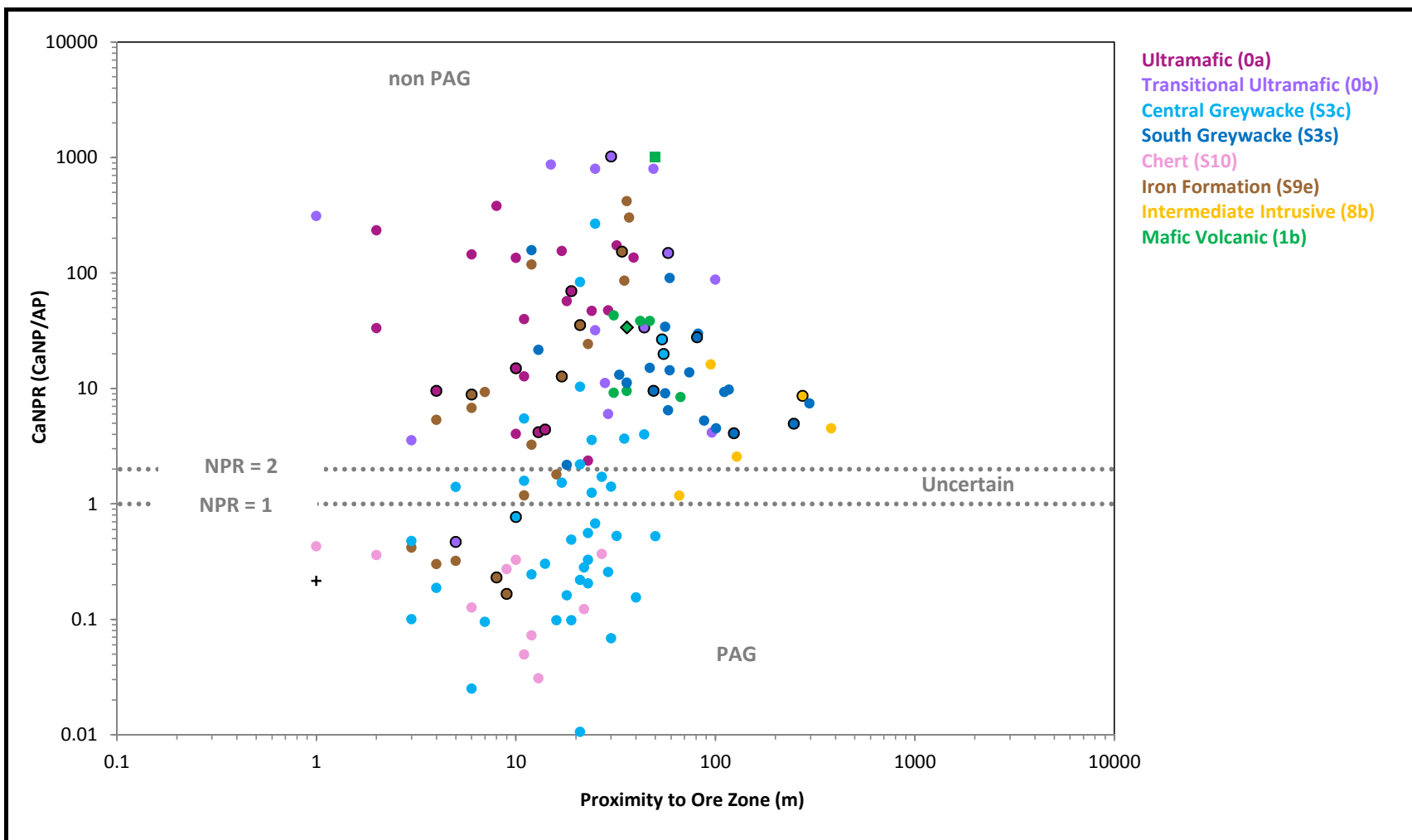
Notes: ● Open Pit ■ near UM contact ▲ Ore ◆ prev. logged GW Outlined symbols indicate reject samples.	Carbonate Neutralization Potential versus Neutralization Potential		Static Testing Whale Tail Pit	
	PREPARED CWT	DATE May-16	Agnico Eagle Mines Limited Meadowbank Division	
Portage NWB Effluent Limit (0.3 mg/L)	CHECKED JMC	JOB NO 1520817	APPENDIX FIGURE E-3.2	
Vault NWB Effluent Limit (0.1 mg/L)	REVIEWED VJB	PHASE/TASK 3000		
Values < MDL are plotted as MDL value				



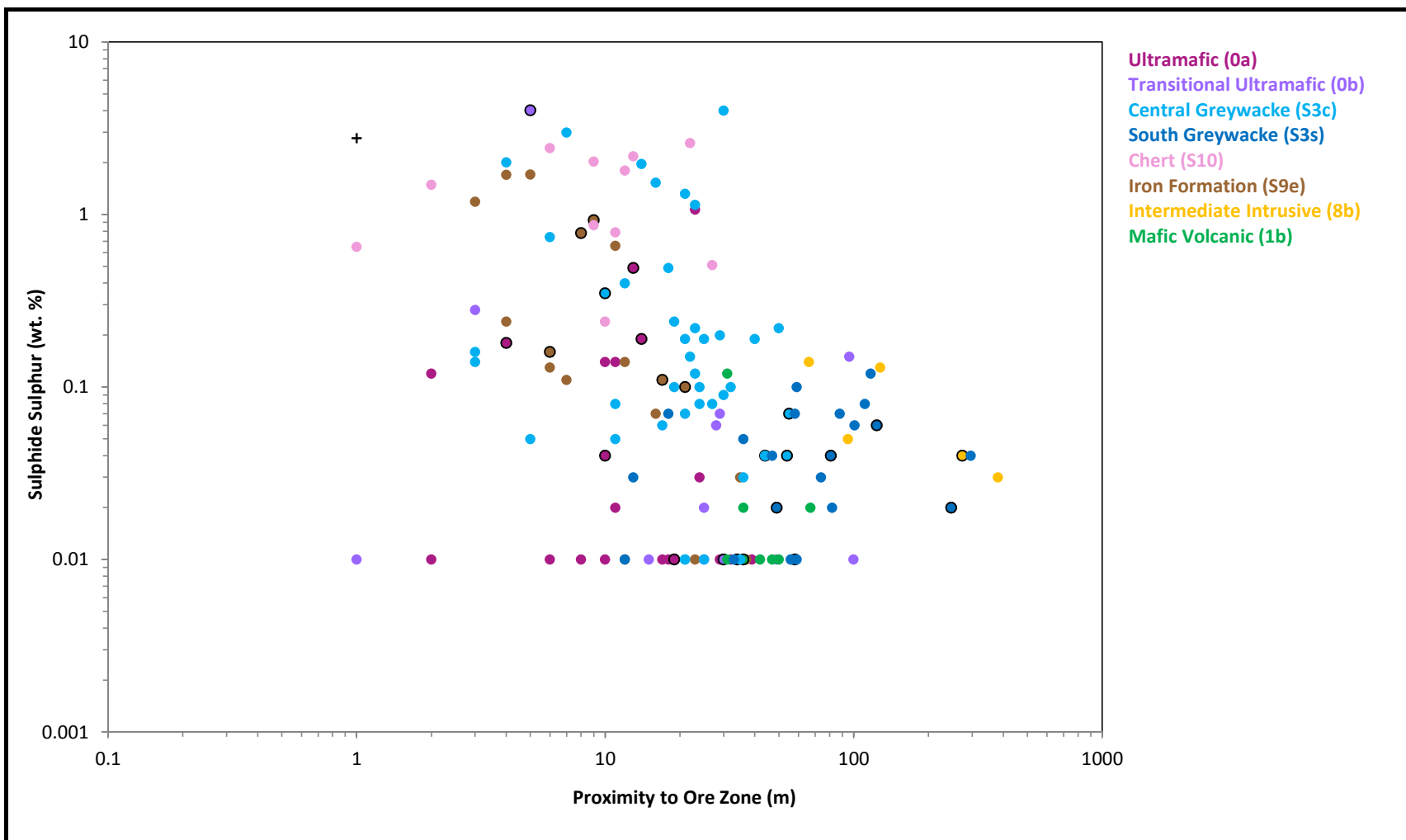
<u>Notes:</u> ● Open Pit ■ near UM contact ▲ Ore ◆ prev. logged GW Outlined symbols indicate reject samples.	Carbonate Neutralization Potential versus Acid Potential		Static Testing Whale Tail Pit	
			Agnico Eagle Mines Limited Meadowbank Division 	
Portage NWB Effluent Limit (0.3 mg/L)	PREPARED	CWT	DATE	May-16
Vault NWB Effluent Limit (0.1 mg/L)	CHECKED	JMC	JOB NO	1520817
Values < MDL are plotted as MDL value	REVIEWED	VJB	PHASE/TASK	3000
			APPENDIX FIGURE E-3.3	



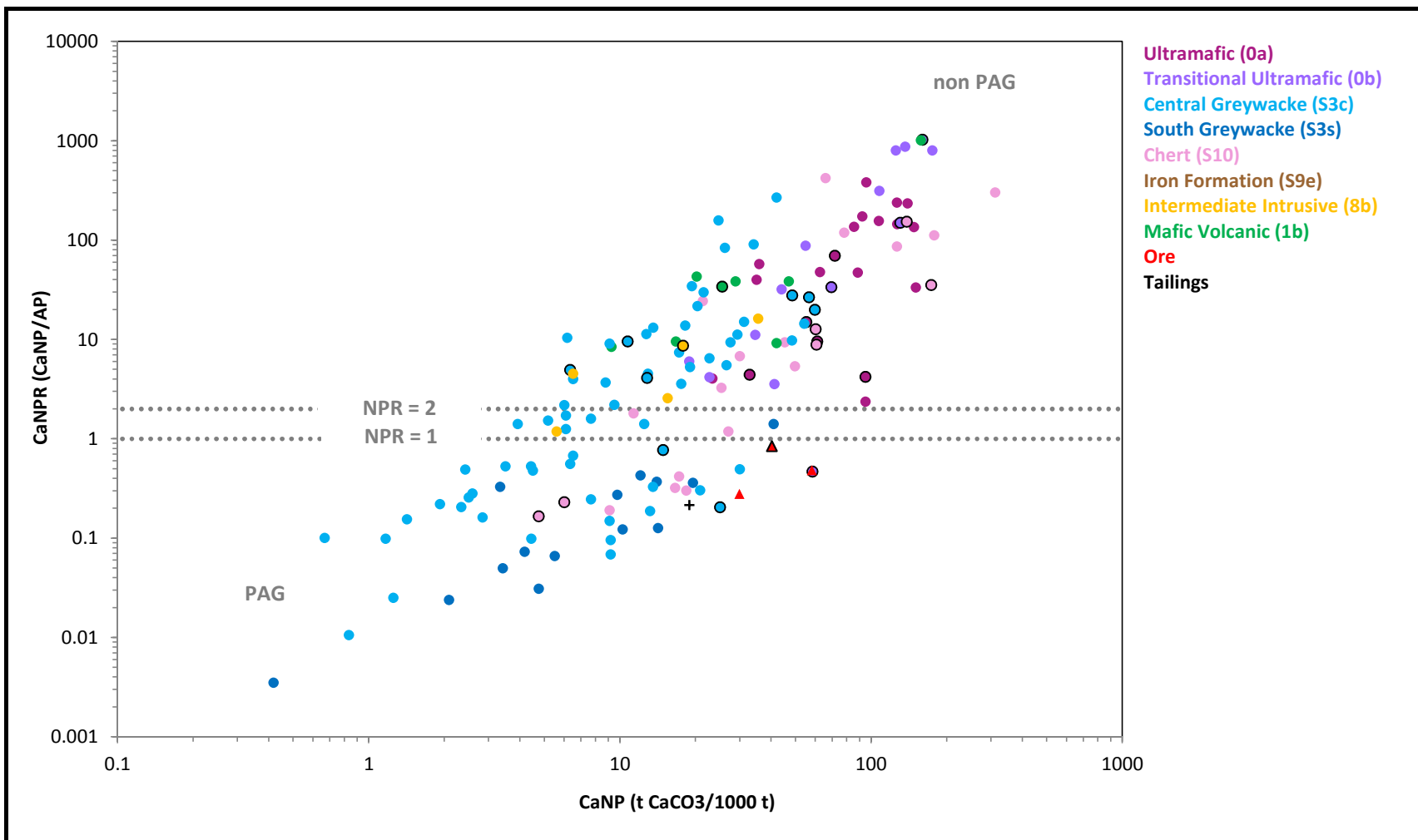
Notes: ● Open Pit ■ near UM contact ✕ samples selected for NAG analysis ▲ Ore ◆ prev. logged GW Outlined symbols indicate reject samples.	CaNP Ratio versus Total Sulphur			Static Testing Whale Tail Pit	
				Agnico Eagle Mines Limited Meadowbank Division	
Portage NWB Effluent Limit (0.3 mg/L)	PREPARED	CWT	DATE	May-16	APPENDIX FIGURE E-3.4
Vault NWB Effluent Limit (0.1 mg/L)	CHECKED	JMC	JOB NO	1520817	
Values < MDL are plotted as MDL value	REVIEWED	VJB	PHASE/TASK	3000	



<u>Notes:</u> ● Open Pit ■ near UM contact ▲ Ore ◆ prev. logged GW Outlined symbols indicate reject samples.	CaNP Ratio versus Proximity to Ore Zone		Static Testing Whale Tail Pit	
			Agnico Eagle Mines Limited Meadowbank Division 	
Portage NWB Effluent Limit (0.3 mg/L)	PREPARED	CWT	DATE	May-16
Vault NWB Effluent Limit (0.1 mg/L)	CHECKED	JMC	JOB NO	1520817
Values < MDL are plotted as MDL value	REVIEWED	VJB	PHASE/TASK	3000
			APPENDIX FIGURE E-3.5	



Notes:		Sulphide Sulphur versus Proximity to Ore Zone		Static Testing Whale Tail Pit	
● Open Pit	▲ Ore			Agnico Eagle Mines Limited Meadowbank Division 	
■ near UM contact	◆ prev. logged GW				
Outlined symbols indicate reject samples.					
Portage NWB Effluent Limit (0.3 mg/L)		PREPARED	CWT	DATE	May-16
Vault NWB Effluent Limit (0.1 mg/L)		CHECKED	JMC	JOB NO	1520817
Values < MDL are plotted as MDL value		REVIEWED	VJB	PHASE/TASK	3000
				APPENDIX FIGURE E-3.6	



Notes:		CaNP Ratio versus Carbonate Neutralization Potential		Static Testing Whale Tail Pit	
● Open Pit ■ near UM contact ▲ Ore ◆ prev. logged GW Outlined symbols indicate reject samples.				Agnico Eagle Mines Limited Meadowbank Division 	
Portage NWB Effluent Limit (0.3 mg/L)		PREPARED	CWT		
Vault NWB Effluent Limit (0.1 mg/L)		CHECKED	JMC	JOB NO	1520817
Values < MDL are plotted as MDL value		REVIEWED	VJB	PHASE/TASK	3000
		APPENDIX FIGURE E-3.7			



E.4 – Net Acid Generation Test

Appendix E.4
NAG Results
Waste Rock, Ore and Tailing
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Portage Effluent Quality Criteria ^a																												
Vault Effluent Quality Criteria ^b									Sequential NAG Step 1					Sequential NAG Step 2					Sequential NAG Step 3					Sequential NAG Step 4				
Sample ID	Borehole ID	Depth (m)		Lithology Code	Rock Name	Sample Type		Distance to Ore	Final pH	Vol NaOH to PH 4.5	Vol NaOH to PH 7.0	NAG (pH 4.5)	NAG (pH 7.0)	Final pH	Vol NaOH to PH 4.5	Vol NaOH to PH 7.0	NAG (pH 4.5)	NAG (pH 7.0)	Final pH	Vol NaOH to PH 4.5	Vol NaOH to PH 7.0	NAG (pH 4.5)	NAG (pH 7.0)	Final pH	Vol NaOH to PH 4.5	Vol NaOH to PH 7.0	NAG (pH 4.5)	NAG (pH 7.0)
		From	To																									
										mL	mL	kg H2SO4/t	kg H2SO4/t		mL	mL	kg H2SO4/t	kg H2SO4/t		mL	mL	kg H2SO4/t	kg H2SO4/t		mL	mL	kg H2SO4/t	kg H2SO4/t
AMQ-ENV-40	IVR14-118	14	23.2	S3C	Greywacke	Waste	Core	23	2.7	3.8	5.1	12	16	3.6	0.27	0.59	0.8	0	5.2	0	0.09	0	0.3	5.8	0	0.13	0	0.4
AMQ-ENV-109	IVR14-146	10	19.1	S3C	Greywacke	Waste	Core	5	6.6	0	0.13	0	0.4	6.8	0	0.05	0	0	5.6	0	0.92	0	3.0	5.3	0	0.83	0	2.7
AMQ-ENV-03	IVR14-130	61.8	71.2	S3C	Greywacke	Waste	Core	50	3.9	0.37	1.3	1.2	4.1	5.4	0	0.27	0	0.9	5.4	0	0.5	0	1.6	5.3	0	0.64	0	2.1
AMQ-ENV-11	IVR14-116	175	184.1	S3C	Greywacke	Waste	Core	30	8.3	0	0	0	0	6.7	0	0.05	0	0	6.8	0	0.08	0	0.3	6.2	0	0.17	0	0.5
AMQ-ENV-13	IVR14-123	9	18.5	S3C	Greywacke	Waste	Core	27	6.8	0	0.06	0	0.2	6.8	0	0.05	0	0	5.8	0	0.69	0	2.3	5.4	0	0.93	0	3.0
AMQ-ENV-14	IVR14-123	21	30.2	S3C	Greywacke	Waste	Core	19	5.1	0	0.47	0	1.5	6.0	0	0.2	0	0	5.5	0	0.8	0	2.6	5.1	0	1.0	0	3.4
AMQ-ENV-18	IVR14-114	18	27.2	S3C	Greywacke	Waste	Core	25	5.2	0	0.37	0	1.2	6.2	0	0.09	0	0.3	5.7	0	0.4	0	1.3	5.4	0	0.73	0	2.3
AMQ-ENV-19	IVR14-114	75.2	84.1	S3C	Greywacke	Waste	Core	24	7.4	0	0	0	0	7.3	0	0	0	0	6.8	0	0.08	0	0.3	6.1	0	0.23	0	0.7
AMQ-ENV-20	IVR14-114	190	199.1	S3C	Greywacke	Waste	Core	11	7.8	0	0	0	0	7.2	0	0	0	0	6.6	0	0.14	0	0.5	6.2	0	0.29	0	0.9
AMQ-ENV-46	IVR14-130	148.9	155.3	S3C	Greywacke	Waste	Core	21	8.0	0	0	0	0	7.5	0	0	0	0	6.9	0	0.09	0	0.3	6.0	0	0.41	0	1.3
AMQ-ENV-53	IVR14-084	150	160.5	S3C	Greywacke	Waste	Reject	10	7.7	0	0	0	0	7.1	0	0	0	0	7.1	0	0	0	0	6.4	0	0.05	0	0.2
AMQ-ENV15-074	IVR14-153	150	160	S3C	Greywacke	Waste	Core	3	6.6	0	0.25	0	0.8	6.7	0	0.2	0	0.6	6.5	0	0.06	0	0.2	6.4	0	0.13	0	0.4
AMQ-ENV15-042	AMQ15-178	210	220	S3C	Greywacke	Waste	Core	17	7.7	0	0	0	0	7.5	0	0	0	0	7.1	0	0	0	0	6.6	0	0.11	0	0.4
AMQ-ENV15-008	AMQ15-232	69	79	S3C	Greywacke	Waste	Core	21	2.5	6.8	9.2	22	30	3.5	0.79	1.5	2.6	4.8	4.1	0.13	0.29	0.4	0.9	4.4	0.05	0.17	0.2	0.6
AMQ-ENV15-098	IVR14-089	92	102	S3C	Greywacke	Waste	Core	19	4.3	0.5	1.0	1.6	3.1	5.5	0	0.69	0	2.2	6.1	0	0.24	0	0.7	5.8	0	0.47	0	1.5
AMQ-ENV15-097	IVR14-091	190	200	S3C	Greywacke	Waste	Core	23	7.0	0	0	0	0	6.7	0	0.18	0	0.6	6.8	0	0.05	0	0.2	6.6	0	0.08	0	0.3
AMQ-ENV15-106	IVR14-099	95	104	S3C	Greywacke	Waste	Core	23	5.0	0	0.19	0	0.6	6.1	0	0.34	0	1.1	6.2	0	0.15	0	0.5	6.0	0	0.21	0	0.7
AMQ-ENV15-107	IVR14-099	115	125	S3C	Greywacke	Waste	Core	32	6.9	0	0.13	0	0.4	7.2	0	0	0	0	7.0	0	0.04	0	0.1	6.8	0	0.07	0	0.2
AMQ-ENV15-108	IVR14-099	150	160	S3C	Greywacke	Waste	Core	22	5.5	0	0.22	0	0.7	6.5	0	0.3	0	1.0	6.5	0	0.09	0	0.3	6.3	0	0.13	0	0.4
AMQ-ENV15-064	IVR14-114	105	114	S3C	Greywacke	Waste	Core	40	4.4	0.08	0.44	0.3	1.4	5.7	0	0.33	0	1.0	5.9	0	0.33	0	1.0	5.9	0	0.28	0	0.9
AMQ-ENV15-065	IVR14-114	125	135	S3C	Greywacke	Waste	Core	29	4.9	0	0.22	0	0.7	5.9	0	0.14	0	0.4	6.1	0	0.21	0	0.7	6.0	0	0.29	0	0.9
AMQ-ENV15-066	IVR14-114	148	157	S3C	Greywacke	Waste	Core	21	5.3	0.07	0.24	0.2	0.8	6.2	0	0.13	0	0.4	6.3	0	0.14	0	0.5	6.0	0	0.33	0	1.1
AMQ-ENV15-025	IVR14-141	139	148	S3C	Greywacke	Waste	Core	0	6.9	0	0	0	0	8.1	0	0	0	0	6.3	0	0.05	0	0.2	6.9	0	0.04	0	0.1
AMQ-ENV15-073	IVR14-153	45	55	S3C	Greywacke	Waste	Core	3	5.6	0.1	0.39	0.3	1.2	5.8	0	0.18	0	0.6	6.0	0	0.24	0	0.8	5.7	0	0.6	0	1.9
AMQ-ENV-49	IVR14-016	106.5	115.5	0a	Ultramafic	Waste	Reject	13	8.7	0	0	0	0	11	0	0	0	0	11	0	0	0	0	11	0	0	0	0
AMQ-ENV-17	IVR14-123	168.2	177.3	S9E	Iron Formation	Waste	Core	23	10	0	0	0	0	11	0	0	0	0	8.6	0	0	0	0	7.2	0	0	0	0
AMQ-ENV-42	IVR14-118	201.2	213.4	S9E	Iron Formation	Waste	Core	16	8.3	0	0	0	0	6.4	0	0.06	0	0.2	6.1	0	0.2	0	0.7	5.9	0	0.27	0	0.9
AMQ-ENV-56	IVR14-055	95	105	S9E	Iron Formation	Waste	Reject	8	5.0	0	0.46	0	1.5	5.9	0	0.14	0	0.5	6.4	0	0.08	0	0.3	6.4	0	0.08	0	0.3
AMQ-ENV-57	IVR14-056	21	31	S9E	Iron Formation	Waste	Reject	9	3.6	0.53	1.3	1.7	4.1	5.0	0	0.23	0	0.8	5.5	0	0.06	0	0.2	6.0	0	0.07	0	0.2
AMQ-ENV15-027	AMQ15-164	45	55	S9E	Iron Formation	Waste	Core	3	6.4	0	0.44	0	1.4	3.9	0.25	0.52	0.8	1.7	4.9	0	0.06	0	0.2	5.3	0	0.11	0	0.4
AMQ-ENV15-034	AMQ15-180	110	119	S9E	Iron Formation	Waste	Core	4	2.9	3.2	4.3	10	14	3.8	0.28	0.53	0.9	1.7	4.6	0	0.13	0	0.4	5.1	0	0.13	0	0.4
AMQ-ENV15-035	AMQ15-211	36	46	S9E	Iron Formation	Waste	Core	0	2.8	3.7	4.8	12	15	4.0	0.19	0.35	0.6	1.1	4.8	0	0.11	0	0.4	5.2	0	0.09	0	0.3
AMQ-ENV15-010	AMQ15-232	116	124	S9E	Iron Formation	Waste	Core	5	3.5	0	0.1	0	0.3	4.3	0.13	0.38	0.4	1.2	5.1	0	0.1	0	0.3	5.6	0	0.08	0	0.3
AMQ-ENV15-007	AMQ15-232	50	60	S10	Chert	Waste	Core	2	8.8	0	0	0	0	4.0	0.15	0.58	0.5	1.9	5.2	0	0.08	0	0.3	5.6	0	0.1	0	0.3
AMQ-ENV15-095	IVR14-091	80	90	S10	Chert	Waste	Core	1	5.7	0	0	0	0	3.9	0.38	0.76	1.2	2.5	4.9	0	0.12	0	0.4	5.3	0	0.1	0	0.3
AMQ-ENV15-096	IVR14-091	130	140	S10	Chert	Waste	Core	27	4.2	0	0.23	0	0.8	4.0	0.24	0.58	0.8	1.9	4.9	0	0.13	0	0.4	5.4	0	0.1	0	0.3
AMQ-ENV15-056	IVR14-148	37	47	S10	Chert	Waste	Core	10	5.6	0	0.08	0	0.3	6.4	0	0.19	0	0.6	6.4	0	0.09	0	0.3	6.0	0	0.36	0	1.2
AMQ-ENV15-115	IVR14-155	335	345	S10	Chert	Waste	Core	9	4.7	0	0.29	0	0.9	5.1	0	0.23	0	0.7	5.5	0	0.06	0	0.2	5.9	0	0.1	0	0.3
RE-13872/RE-13874	-	-	-	-	Processed Ore	Tailing	milling reject	0	2.7	4.8	7.0	15	22	3.1	1.5	1.8	4.7	5.8	3.8	0.27	0.46	0.9	1.5	4.4	0.09	0.36	0.3	1.2

Notes:

- a) Discharge of Effluent from the Portage Attenuation Pond at Monitoring Station ST-9. Nunavut Water Board Water License No. 2AM-MEA1525,
b) Discharge of Effluent from the Vault Attenuation Pond at Monitoring Station ST-10. Nunavut Water Board Water License No. 2AM-MEA1525,

nc - statistic could not be calculated

1.0	Results exceeds the Portage Effluent Water Quality Guideline.
1.0	Result exceeds the Vault Effluent Water Quality Guideline.

Appendix E.4
NAG Results
Waste Rock, Ore and Tailing
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Portage Effluent Quality Criteria ^a									6-9					1000		0.0004	1		0.3						0.002			0.1		
Vault Effluent Quality Criteria ^b									6-9					500		0.0004	1		0.1					0.002			0.1			
Sample ID	Borehole ID	Depth (m)		Lithology Code	Rock Name	Sample Type		Distance to Ore	Sequential NAG Metals Phase 1																					
		From	To						pH	Conductivity	Alkalinity	Acidity	Chloride	Sulphate	Mercury	Aluminum	Silver	Arsenic	Barium	Beryllium	Bismuth	Boron	Calcium	Cadmium	Cobalt	Chromium	Copper	Iron	Potassium	
																														no unit
AMQ-ENV-40	IVR14-118	14	23.2	S3C	Greywacke	Waste	Core	23	2.8	1240	< 2	168	< 1	290	< 0.00001	7.9	0.00016	0.015	0.18	0.0014	< 0.000007	0.037	34	0.00029	0.056	0.0024	0.17	4.2	31	
AMQ-ENV-109	IVR14-146	10	19.1	S3C	Greywacke	Waste	Core	5	7.8	191	41	< 2	2.0	34	< 0.00001	0.007	0.00002	0.0023	0.0076	< 0.000007	< 0.000007	0.2	5.6	0.000025	0.00037	0.014	0.00025	< 0.007	9.4	
AMQ-ENV-03	IVR14-130	61.8	71.2	S3C	Greywacke	Waste	Core	50	3.8	260	< 2	40	2.0	85	< 0.00001	4.0	0.00026	0.0006	0.14	0.0006	< 0.000007	0.058	9.6	0.00035	0.068	0.0078	0.046	0.068	12	
AMQ-ENV-11	IVR14-116	175	184.1	S3C	Greywacke	Waste	Core	30	8.2	234	39	< 2	< 1	66	< 0.00001	0.95	< 0.000002	0.021	0.0042	< 0.000007	< 0.000007	0.017	33	0.000016	0.000004	0.0083	0.00033	0.008	19	
AMQ-ENV-13	IVR14-123	9	18.5	S3C	Greywacke	Waste	Core	27	6.5	122	5.0	< 2	1.0	41	< 0.00001	0.016	0.000034	0.0048	0.008	< 0.000007	< 0.000007	0.028	5.8	0.000015	0.00028	0.0096	0.00042	< 0.007	13	
AMQ-ENV-14	IVR14-123	21	30.2	S3C	Greywacke	Waste	Core	19	5.3	155	< 2	11	2.0	59	< 0.00001	0.31	0.00031	0.0008	0.084	0.000036	< 0.000007	0.07	7.6	0.0003	0.012	0.0079	0.0035	< 0.007	14	
AMQ-ENV-18	IVR14-114	18	27.2	S3C	Greywacke	Waste	Core	25	5.0	262	< 2	3.0	1.0	98	< 0.00001	0.11	0.00014	0.0004	0.086	0.000016	< 0.000007	0.041	25	0.00059	0.0059	0.0062	0.0011	< 0.007	20	
AMQ-ENV-19	IVR14-114	75.2	84.1	S3C	Greywacke	Waste	Core	24	7.2	164	10	< 2	1.0	55	< 0.00001	0.099	0.000005	0.017	0.0042	< 0.000007	< 0.000007	0.065	16	0.000019	0.000062	0.018	0.00028	0.009	14	
AMQ-ENV-20	IVR14-114	190	199.1	S3C	Greywacke	Waste	Core	11	6.6	101	6.0	14	1.0	48	< 0.00001	0.56	0.000008	0.037	0.0044	< 0.000007	< 0.000007	0.016	21	0.000011	0.000016	0.012	0.00046	0.028	20	
AMQ-ENV-46	IVR14-130	148.9	155.3	S3C	Greywacke	Waste	Core	21	8.0	208	52	< 2	2.0	46	< 0.00001	0.48	0.000004	0.065	0.0048	< 0.000007	< 0.000007	0.015	29	0.000013	0.000017	0.012	0.00038	0.008	15	
AMQ-ENV-53	IVR14-084	150	160.5	S3C	Greywacke	Waste	Reject	10	6.9	401	7.0	< 2	< 1	170	< 0.00001	0.18	0.000007	0.0057	0.011	< 0.000007	< 0.000007	0.019	65	0.000007	0.000016	0.014	0.0003	< 0.007	16	
AMQ-ENV15-074	IVR14-153	150	160	S3C	Greywacke	Waste	Core	3	6.3	-	-	-	-	96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AMQ-ENV15-042	AMQ15-178	210	220	S3C	Greywacke	Waste	Core	17	8.1	-	-	-	-	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AMQ-ENV15-008	AMQ15-232	69	79	S3C	Greywacke	Waste	Core	21	2.5	-	-	-	-	480	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AMQ-ENV15-098	IVR14-089	92	102	S3C	Greywacke	Waste	Core	19	4.3	-	-	-	-	99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AMQ-ENV15-097	IVR14-091	190	200	S3C	Greywacke	Waste	Core	23	7.6	-	-	-	-	90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AMQ-ENV15-106	IVR14-099	95	104	S3C	Greywacke	Waste	Core	23	5.2	-	-	-	-	110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AMQ-ENV15-107	IVR14-099	115	125	S3C	Greywacke	Waste	Core	32	6.9	-	-	-	-	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AMQ-ENV15-108	IVR14-099	150	160	S3C	Greywacke	Waste	Core	22	5.8	-	-	-	-	99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AMQ-ENV15-064	IVR14-114	105	114	S3C	Greywacke	Waste	Core	40	4.4	-	-	-	-	87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AMQ-ENV15-065	IVR14-114	125	135	S3C	Greywacke	Waste	Core	29	4.8	-	-	-	-	97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AMQ-ENV15-066	IVR14-114	148	157	S3C	Greywacke	Waste	Core	21	4.3	-	-	-	-	88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AMQ-ENV15-025	IVR14-141	139	148	S3C	Greywacke	Waste	Core	0	7.6	-	-	-	-	370	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AMQ-ENV15-073	IVR14-153	45	55	S3C	Greywacke	Waste	Core	3	4.2	-	-	-	-	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AMQ-ENV-49	IVR14-016	106.5	115.5	0a	Ultramafic	Waste	Reject	13	7.6	374	15	< 2	< 1	140	< 0.00001	0.59	0.000007	0.15	0.0063	< 0.000007	< 0.000007	0.015	50	0.000004	0.000012	0.25	0.00036	< 0.007	31	
AMQ-ENV-17	IVR14-123	168.2	177.3	S9E	Iron Formation	Waste	Core	23	10	138	58	< 2	2.0	4.0	< 0.00001	0.16	0.000003	0.023	0.0057	< 0.000007	< 0.000007	0.069	18	< 0.000003	0.000012	0.23	0.00019	< 0.007	17	
AMQ-ENV-42	IVR14-118	201.2	213.4	S9E	Iron Formation	Waste	Core	16	8.2	214	58	< 2	< 1	47	< 0.00001	0.57	0.000008	0.036	0.0038	< 0.000007	< 0.000007	0.013	32	0.000015	0.000014	0.0095	0.00065	< 0.007	16	
AMQ-ENV-56	IVR14-055	95	105	S9E	Iron Formation	Waste	Reject	8	4.6	-	-	-	-	280	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AMQ-ENV-57	IVR14-056	21	31	S9E	Iron Formation	Waste	Reject	9	3.7	-	-	-	-	260	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AMQ-ENV15-027	AMQ15-164	45	55	S9E	Iron Formation	Waste	Core	3	6.9	-	-	-	-	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AMQ-ENV15-034	AMQ15-180	110	119	S9E	Iron Formation	Waste	Core	4	2.9	-	-	-	-	420	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AMQ-ENV15-035	AMQ15-211	36	46	S9E	Iron Formation	Waste	Core	0	2.8	-	-	-	-	330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AMQ-ENV15-010	AMQ15-232	116	124	S9E	Iron Formation	Waste	Core	5	6.8	-	-	-	-	380	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AMQ-ENV15-007	AMQ15-232	50	60	S10	Chert	Waste	Core	2	9.6	-	-	-	-	110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AMQ-ENV15-095	IVR14-091	80	90	S10	Chert	Waste	Core	1	7.2	-	-	-	-	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AMQ-ENV15-096	IVR14-091	130	140	S10	Chert	Waste	Core	27	5.6	-	-	-	-	280	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AMQ-ENV15-056	IVR14-148	37	47	S10	Chert	Waste	Core	10	6.1	-	-	-	-	98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AMQ-ENV15-115	IVR14-155	335	345	S10	Chert	Waste	Core	9	4.8	-	-	-	-	270	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RE-13872/RE-13874	-	-	-	-	Processed Ore	Tailing	milling reject	0	2.7	1980	< 2	234	< 2	770	< 0.00001	6.3	0.000054	0.33	0.33	0.0025	0.000007	0.1	159	0.0011	0.28	0.027	2.3	20	44	

Notes:
a) Discharge of Effluent from the Portage Attenuation Pond at Monitoring Station ST-9. Nunavut Water Board Water License No. 2AM-MEA1525,
b) Discharge of Effluent from the Vault Attenuation Pond at Monitoring Station ST-10. Nunavut Water Board Water License No. 2AM-MEA1525,
nc - statistic could not be calculated

1.0	Results exceeds the Portage Effluent Water Quality Guideline.
1.0	Result exceeds the Vault Effluent Water Quality Guideline.

Agnico Eagle Mines Limited - Meadowbank Division

Portage Effluent Quality Criteria ^a													0.2	1	0.1								0.4	6-9				1000		
Vault Effluent Quality Criteria ^a													0.2	1.5	0.1								0.2	6-9				500		
Sample ID	Borehole ID	Depth (m)		Lithology Code	Rock Name	Sample Type		Distance to Ore	Sequential NAG Metals Phase 1																Sequential NAG Metals - Phase 2					
		From	To						Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Tin	Strontium	Titanium	Thallium	Uranium	Vanadium	Zinc	pH	Conductivity	Alkalinity	Acidity	Chloride
									mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	no unit	uS/cm	mg/L as CaCO ₃	mg/L as CaCO ₃
AMQ-ENV-40	IVR14-118	14	23.2	S3C	Greywacke	Waste	Core	23	0.015	7.9	2.7	0.00052	1.2	0.15	< 0.003	0.011	0.0005	0.0031	0.00014	0.04	0.0016	0.00053	0.0036	0.00013	0.16	3.8	107	< 2	61	< 1
AMQ-ENV-109	IVR14-146	10	19.1	S3C	Greywacke	Waste	Core	5	0.0075	3.3	0.10	0.029	1.9	0.0002	< 0.003	< 0.00001	0.0011	0.0014	0.000019	0.018	0.001	0.000069	0.00021	0.021	< 0.002	6.7	17	5.0	11	< 1
AMQ-ENV-03	IVR14-130	61.8	71.2	S3C	Greywacke	Waste	Core	50	0.011	4.9	1.4	0.019	2.2	0.18	< 0.003	0.0014	0.0004	0.0011	0.00032	0.032	0.15	0.00024	0.00037	0.023	0.14	5.3	28	< 2	137	< 10
AMQ-ENV-11	IVR14-116	175	184.1	S3C	Greywacke	Waste	Core	30	0.007	0.032	0.00049	0.027	1.3	< 0.0001	0.006	0.00004	0.0009	0.0016	0.00017	0.033	0.004	0.000042	0.00033	0.016	< 0.002	6.7	72	5.0	2.0	< 1
AMQ-ENV-13	IVR14-123	9	18.5	S3C	Greywacke	Waste	Core	27	0.0024	4.3	0.033	0.027	1.4	0.0002	< 0.003	0.00002	0.001	0.0013	0.00013	0.014	0.0012	0.000039	0.00019	0.018	< 0.002	6.9	19	7.0	6.0	< 1
AMQ-ENV-14	IVR14-123	21	30.2	S3C	Greywacke	Waste	Core	19	0.0056	4.7	0.5	0.027	2.6	0.09	< 0.003	0.00016	0.0006	0.0016	0.00023	0.03	0.01	0.00019	0.00024	0.027	0.014	5.9	16	2.0	103	8.0
AMQ-ENV-18	IVR14-114	18	27.2	S3C	Greywacke	Waste	Core	25	0.0019	5.1	0.89	0.029	2.0	0.076	< 0.003	0.00011	0.0004	0.0016	0.0001	0.061	0.0025	0.00023	0.000087	0.019	0.007	5.6	22	< 2	11	< 1
AMQ-ENV-19	IVR14-114	75.2	84.1	S3C	Greywacke	Waste	Core	24	0.0065	2.0	0.0018	0.027	1.9	0.0002	< 0.003	0.00002	0.0011	0.0016	0.00012	0.021	0.0013	0.000047	0.00023	0.021	< 0.002	7.0	27	9.0	< 2	< 1
AMQ-ENV-20	IVR14-114	190	199.1	S3C	Greywacke	Waste	Core	11	0.0072	0.26	0.0014	0.026	2.2	< 0.0001	0.018	0.00005	0.0009	0.0012	0.00018	0.021	0.0066	0.000076	0.00031	0.025	< 0.002	7.1	50	8.0	< 2	< 1
AMQ-ENV-46	IVR14-130	148.9	155.3	S3C	Greywacke	Waste	Core	21	0.0057	0.65	0.0046	0.024	2.0	0.0001	0.014	0.00004	0.0008	0.00092	0.00013	0.034	0.0042	0.00006	0.00046	0.016	< 0.002	7.2	48	20	20	< 1
AMQ-ENV-53	IVR14-084	150	160.5	S3C	Greywacke	Waste	Reject	10	0.006	2.9	0.0012	0.015	2.7	0.0002	< 0.003	0.00002	0.0011	0.0025	0.00005	0.084	0.00015	0.00007	0.000074	0.0064	< 0.002	6.4	66	3.0	< 2	< 1
AMQ-ENV15-074	IVR14-153	150	160	S3C	Greywacke	Waste	Core	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.4	-	-	-	-
AMQ-ENV15-042	AMQ15-178	210	220	S3C	Greywacke	Waste	Core	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.5	-	-	-	-
AMQ-ENV15-008	AMQ15-232	69	79	S3C	Greywacke	Waste	Core	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4	-	-	-	-
AMQ-ENV15-098	IVR14-089	92	102	S3C	Greywacke	Waste	Core	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.4	-	-	-	-
AMQ-ENV15-097	IVR14-091	190	200	S3C	Greywacke	Waste	Core	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-106	IVR14-099	95	104	S3C	Greywacke	Waste	Core	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.8	-	-	-	-
AMQ-ENV15-107	IVR14-099	115	125	S3C	Greywacke	Waste	Core	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.1	-	-	-	-
AMQ-ENV15-108	IVR14-099	150	160	S3C	Greywacke	Waste	Core	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.2	-	-	-	-
AMQ-ENV15-064	IVR14-114	105	114	S3C	Greywacke	Waste	Core	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.5	-	-	-	-
AMQ-ENV15-065	IVR14-114	125	135	S3C	Greywacke	Waste	Core	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.8	-	-	-	-
AMQ-ENV15-066	IVR14-114	148	157	S3C	Greywacke	Waste	Core	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.0	-	-	-	-
AMQ-ENV15-025	IVR14-141	139	148	S3C	Greywacke	Waste	Core	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.9	-	-	-	-
AMQ-ENV15-073	IVR14-153	45	55	S3C	Greywacke	Waste	Core	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.6	-	-	-	-
AMQ-ENV-49	IVR14-016	106.5	115.5	0a	Ultramafic	Waste	Reject	13	0.0015	0.048	0.00061	0.0014	4.7	0.0002	< 0.003	< 0.00001	0.0082	0.0024	0.00007	0.09	0.00016	0.000032	0.000023	0.022	< 0.002	11	308	131	< 2	1.0
AMQ-ENV-17	IVR14-123	168.2	177.3	S9E	Iron Formation	Waste	Core	23	< 0.000006	0.013	0.0002	0.00086	1.0	0.0001	< 0.003	< 0.00001	0.0008	0.00022	0.00028	0.062	0.00013	0.000014	0.000044	0.028	< 0.002	9.7	92	44	< 2	2.0
AMQ-ENV-42	IVR14-118	201.2	213.4	S9E	Iron Formation	Waste	Core	16	0.0045	0.1	0.0015	0.022	1.9	0.0001	0.01	0.00004	0.001	0.0011	0.00011	0.0042	0.000086	0.0003	0.021	< 0.002	6.7	61	4.0	7.0	< 1	
AMQ-ENV-56	IVR14-055	95	105	S9E	Iron Formation	Waste	Reject	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.9	-	-	-	-
AMQ-ENV-57	IVR14-056	21	31	S9E	Iron Formation	Waste	Reject	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.9	-	-	-	-
AMQ-ENV15-027	AMQ15-164	45	55	S9E	Iron Formation	Waste	Core	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.3	-	-	-	-
AMQ-ENV15-034	AMQ15-180	110	119	S9E	Iron Formation	Waste	Core	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.8	-	-	-	-
AMQ-ENV15-035	AMQ15-211	36	46	S9E	Iron Formation	Waste	Core	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.9	-	-	-	-
AMQ-ENV15-010	AMQ15-232	116	124	S9E	Iron Formation	Waste	Core	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.3	-	-	-	-
AMQ-ENV15-007	AMQ15-232	50	60	S10	Chert	Waste	Core	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.3	-	-	-	-
AMQ-ENV15-095	IVR14-091	80	90	S10	Chert	Waste	Core	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.3	-	-	-	-
AMQ-ENV15-096	IVR14-091	130	140	S10	Chert	Waste	Core	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.5	-	-	-	-
AMQ-ENV15-056	IVR14-148	37	47	S10	Chert	Waste	Core	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.2	-	-	-	-
AMQ-ENV15-115	IVR14-155	335	345	S10	Chert	Waste	Core	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.3	-	-	-	-
RE-13872/RE-13874	-	-	-	-	Processed Ore	Tailing	milling reject	0	0.036	17	6.1	0.00047	13	3.4	< 0.003	0.11	0.0003	0.01	0.00008	0.4	0.0021	0.00082	0.0027	0.00068	0.28	3.0	548	< 2	68	< 2

Notes:

a) Discharge of Effluent from the Portage Attenuation Pond at Monitoring Station ST-9. Nunavut Water Board Water License No. 2AM-MEA1525,

b) Discharge of Effluent from the Vault Attenuation Pond at Monitoring Station ST-10. Nunavut Water Board Water License No. 2AM-MEA1525,

nc - statistic could not be calculated

1.0	Results exceeds the Portage Effluent Water Quality Guideline.
1.0	Result exceeds the Vault Effluent Water Quality Guideline.

Appendix E.4
NAG Results
Waste Rock, Ore and Tailing
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Portage Effluent Quality Criteria ^a										0.0004	1		0.3					0.002			0.1							0.2		
Vault Effluent Quality Criteria ^a										0.0004	1		0.1					0.002			0.1							0.2		
Sample ID	Borehole ID	Depth (m)		Lithology Code	Rock Name	Sample Type		Distance to Ore	Sequential NAG Metals - Phase 2																					
		From	To						Sulphate	Mercury	Aluminum	Silver	Arsenic	Barium	Beryllium	Bismuth	Boron	Calcium	Cadmium	Cobalt	Chromium	Copper	Iron	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel
									mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
AMQ-ENV-40	IVR14-118	14	23.2	S3C	Greywacke	Waste	Core	23	22	< 0.00001	0.37	0.000047	< 0.0002	0.028	0.000058	< 0.000007	0.014	3.6	0.000018	0.013	0.0062	0.0011	0.016	1.8	0.002	1.1	0.24	0.0059	0.09	0.0092
AMQ-ENV-109	IVR14-146	10	19.1	S3C	Greywacke	Waste	Core	5	1.0	< 0.00001	0.023	0.000007	0.0025	0.00091	< 0.000007	< 0.000007	0.015	0.98	< 0.000003	0.000046	0.0047	0.0004	0.012	1.9	0.0007	0.53	0.028	0.00072	0.4	< 0.0001
AMQ-ENV-03	IVR14-130	61.8	71.2	S3C	Greywacke	Waste	Core	50	7.0	< 0.00001	0.056	0.000013	0.001	0.0017	< 0.000007	< 0.000007	0.025	2.6	0.000007	0.00057	0.0076	0.00089	0.012	1.3	0.00045	0.35	0.25	0.00058	0.22	0.0013
AMQ-ENV-11	IVR14-116	175	184.1	S3C	Greywacke	Waste	Core	30	21	< 0.00001	0.018	0.00001	0.0023	0.0035	< 0.000007	< 0.000007	0.015	6.9	0.000004	0.000075	0.0034	0.00047	< 0.007	6.2	0.00061	0.66	0.0076	0.0011	0.45	0.0001
AMQ-ENV-13	IVR14-123	9	18.5	S3C	Greywacke	Waste	Core	27	1.0	< 0.00001	0.05	0.000006	0.0071	0.0014	< 0.000007	< 0.000007	0.015	0.69	0.000012	0.000084	0.0031	0.00057	0.045	3.5	0.00025	0.59	0.017	0.00076	0.31	0.0002
AMQ-ENV-14	IVR14-123	21	30.2	S3C	Greywacke	Waste	Core	19	2.0	< 0.00001	0.065	0.000029	0.0052	0.0019	< 0.000007	< 0.000007	0.033	0.91	0.000015	0.00016	0.0087	0.0011	0.049	2.2	0.00018	0.25	0.042	0.002	0.28	0.0004
AMQ-ENV-18	IVR14-114	18	27.2	S3C	Greywacke	Waste	Core	25	5.0	< 0.00001	0.007	0.000014	0.0005	0.0019	< 0.000007	< 0.000007	0.026	1.5	0.00001	0.00021	0.012	0.00046	< 0.007	2.4	0.000041	0.31	0.037	0.001	0.25	0.0003
AMQ-ENV-19	IVR14-114	75.2	84.1	S3C	Greywacke	Waste	Core	24	2.0	< 0.00001	0.053	0.000003	0.012	0.00081	< 0.000007	< 0.000007	0.014	2.1	< 0.000003	0.000022	0.0069	0.0005	< 0.007	3.2	0.00047	0.59	0.0016	0.00058	0.49	< 0.0001
AMQ-ENV-20	IVR14-114	190	199.1	S3C	Greywacke	Waste	Core	11	10	< 0.00001	0.041	0.000004	0.015	0.0018	< 0.000007	< 0.000007	0.012	3.9	< 0.000003	0.000034	0.0059	0.00072	0.008	6.7	0.00028	0.62	0.0024	0.00073	0.66	0.0001
AMQ-ENV-46	IVR14-130	148.9	155.3	S3C	Greywacke	Waste	Core	21	7.0	< 0.00001	0.036	0.000004	0.028	0.002	< 0.000007	< 0.000007	0.013	4.7	0.000003	0.000023	0.0065	0.00054	< 0.007	4.4	0.00018	0.96	0.0063	0.00076	0.65	< 0.0001
AMQ-ENV-53	IVR14-084	150	160.5	S3C	Greywacke	Waste	Reject	10	21	< 0.00001	0.017	0.000005	0.0038	0.0022	< 0.000007	< 0.000007	0.011	7.2	0.000007	0.00004	0.017	0.0007	< 0.007	3.0	0.00029	1.2	0.003	0.0026	0.54	< 0.0001
AMQ-ENV15-074	IVR14-153	150	160	S3C	Greywacke	Waste	Core	3	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-042	AMQ15-178	210	220	S3C	Greywacke	Waste	Core	17	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-008	AMQ15-232	69	79	S3C	Greywacke	Waste	Core	21	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-098	IVR14-089	92	102	S3C	Greywacke	Waste	Core	19	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-097	IVR14-091	190	200	S3C	Greywacke	Waste	Core	23	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-106	IVR14-099	95	104	S3C	Greywacke	Waste	Core	23	6.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-107	IVR14-099	115	125	S3C	Greywacke	Waste	Core	32	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-108	IVR14-099	150	160	S3C	Greywacke	Waste	Core	22	4.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-064	IVR14-114	105	114	S3C	Greywacke	Waste	Core	40	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-065	IVR14-114	125	135	S3C	Greywacke	Waste	Core	29	6.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-066	IVR14-114	148	157	S3C	Greywacke	Waste	Core	21	5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-025	IVR14-141	139	148	S3C	Greywacke	Waste	Core	0	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-073	IVR14-153	45	55	S3C	Greywacke	Waste	Core	3	5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-49	IVR14-016	106.5	115.5	0a	Ultramafic	Waste	Reject	13	12	< 0.00001	1.7	0.000002	0.0042	0.0023	< 0.000007	< 0.000007	0.042	55	< 0.000003	< 0.000004	0.071	0.00066	< 0.007	6.3	0.00025	0.005	0.00012	0.0003	0.42	0.0001
AMQ-ENV-17	IVR14-123	168.2	177.3	S9E	Iron Formation	Waste	Core	23	3.0	< 0.00001	0.12	0.000002	0.03	0.0034	< 0.000007	< 0.000007	0.15	18	< 0.000003	0.00001	0.058	0.00029	< 0.007	2.3	0.00025	0.016	0.00021	0.00019	0.2	0.0001
AMQ-ENV-42	IVR14-118	201.2	213.4	S9E	Iron Formation	Waste	Core	16	18	< 0.00001	0.011	0.000005	0.0038	0.0026	< 0.000007	< 0.000007	0.01	6.3	< 0.000003	0.000078	0.004	0.00042	< 0.007	4.2	0.00033	0.82	0.0092	0.0006	0.59	0.0002
AMQ-ENV-56	IVR14-055	95	105	S9E	Iron Formation	Waste	Reject	8	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-57	IVR14-056	21	31	S9E	Iron Formation	Waste	Reject	9	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-027	AMQ15-164	45	55	S9E	Iron Formation	Waste	Core	3	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-034	AMQ15-180	110	119	S9E	Iron Formation	Waste	Core	4	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-035	AMQ15-211	36	46	S9E	Iron Formation	Waste	Core	0	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-010	AMQ15-232	116	124	S9E	Iron Formation	Waste	Core	5	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-007	AMQ15-232	50	60	S10	Chert	Waste	Core	2	350	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-095	IVR14-091	80	90	S10	Chert	Waste	Core	1	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-096	IVR14-091	130	140	S10	Chert	Waste	Core	27	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-056	IVR14-148	37	47	S10	Chert	Waste	Core	10	4.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-115	IVR14-155	335	345	S10	Chert	Waste	Core	9	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RE-13872/RE-13874	-	-	-	-	Processed Ore	Tailing	milling reject	0	100	< 0.00001	1.6	0.00011	0.0041	0.072	0.0006	< 0.000007	0.04	6.8	0.000049	0.048	0.053	0.23	0.54	5.6	0.0083	3.5	0.54	0.0098	0.3	0.27

Notes:
a) Discharge of Effluent from the Portage Attenuation Pond at Monitoring Station ST-9. Nunavut Water Board Water License No. 2AM-MEA1525,
b) Discharge of Effluent from the Vault Attenuation Pond at Monitoring Station ST-10. Nunavut Water Board Water License No. 2AM-MEA1525,
nc - statistic could not be calculated
1.0 Results exceeds the Portage Effluent Water Quality Guideline.
1.0 Result exceeds the Vault Effluent Water Quality Guideline.

Appendix E.4
NAG Results
Waste Rock, Ore and Tailing
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Portage Effluent Quality Criteria ^a									1	0.1								0.4	6-9					1000		0.0004	1		0.3	
Vault Effluent Quality Criteria ^a									1.5	0.1								0.2	6-9					500		0.0004	1		0.1	
Sample ID	Borehole ID	Depth (m)		Lithology Code	Rock Name	Sample Type		Distance to Ore	Sequential NAG Metals - Phase 2												Sequential NAG Metals - Phase 3									
		From	To						Phosphorus	Lead	Antimony	Selenium	Tin	Strontium	Titanium	Thallium	Uranium	Vanadium	Zinc	pH	Conductivity	Alkalinity	Acidity	Chloride	Sulphate	Mercury	Aluminum	Silver	Arsenic	Barium
									mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	no unit	uS/cm	mg/L as CaCO3	mg/L as CaCO3	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
AMQ-ENV-40	IVR14-118	14	23.2	S3C	Greywacke	Waste	Core	23	< 0.003	0.00064	0.0006	0.0004	0.00022	0.0078	0.0014	0.000059	0.000016	0.0095	0.009	4.6	30	< 2	14	2.0	7.0	< 0.00001	0.079	0.000012	< 0.0002	0.0045
AMQ-ENV-109	IVR14-146	10	19.1	S3C	Greywacke	Waste	Core	5	0.006	0.00003	0.0008	< 0.00004	0.0003	0.0031	0.0046	0.000015	0.00023	0.0055	< 0.002	6.4	13	5.0	68	3.0	1.0	< 0.00001	0.016	0.000007	0.0029	0.0011
AMQ-ENV-03	IVR14-130	61.8	71.2	S3C	Greywacke	Waste	Core	50	0.006	0.00004	0.0006	0.0001	0.00026	0.0017	0.052	0.000025	0.00028	0.007	0.002	5.6	9.0	2.0	148	< 1	2.0	< 0.00001	0.11	0.000004	0.003	0.0012
AMQ-ENV-11	IVR14-116	175	184.1	S3C	Greywacke	Waste	Core	30	< 0.003	0.00004	0.001	0.0004	0.00014	0.013	0.00083	0.000055	0.000094	0.0055	< 0.002	6.8	18	6.0	15	3.0	1.0	< 0.00001	0.025	0.000011	0.0023	0.0014
AMQ-ENV-13	IVR14-123	9	18.5	S3C	Greywacke	Waste	Core	27	0.008	0.00009	0.0008	< 0.00004	0.00056	0.0021	0.0087	0.000015	0.00036	0.0047	< 0.002	6.6	14	5.0	32	2.0	1.0	< 0.00001	0.1	0.000005	0.0087	0.0019
AMQ-ENV-14	IVR14-123	21	30.2	S3C	Greywacke	Waste	Core	19	0.006	0.00016	0.001	0.00011	0.00087	0.0013	0.061	0.000033	0.0008	0.0091	< 0.002	5.5	12	2.0	254	< 1	2.0	< 0.00001	0.11	0.000024	0.011	0.002
AMQ-ENV-18	IVR14-114	18	27.2	S3C	Greywacke	Waste	Core	25	< 0.003	0.00001	0.0005	0.00009	0.0001	0.0024	0.0026	0.000024	0.000041	0.0089	< 0.002	5.9	11	3.0	66	< 1	1.0	< 0.00001	0.04	0.000006	0.0035	0.0011
AMQ-ENV-19	IVR14-114	75.2	84.1	S3C	Greywacke	Waste	Core	24	0.013	0.00008	0.0009	0.00005	0.00011	0.0037	0.001	0.000018	0.00017	0.0066	< 0.002	7.0	19	8.0	20	< 1	1.0	< 0.00001	0.025	0.000005	0.0039	0.00091
AMQ-ENV-20	IVR14-114	190	199.1	S3C	Greywacke	Waste	Core	11	0.006	0.00004	0.0008	0.00024	0.00017	0.0058	0.0019	0.000031	0.00018	0.011	< 0.002	7.0	25	10	44	5.0	2.0	< 0.00001	0.037	0.000005	0.0089	0.0016
AMQ-ENV-46	IVR14-130	148.9	155.3	S3C	Greywacke	Waste	Core	21	0.008	0.00002	0.0006	0.00013	0.00013	0.0089	0.0016	0.000029	0.00031	0.0067	< 0.002	7.0	19	7.0	15	3.0	1.0	< 0.00001	0.028	0.000003	0.019	0.0011
AMQ-ENV-53	IVR14-084	150	160.5	S3C	Greywacke	Waste	Reject	10	< 0.003	0.00001	0.001	0.0003	0.00008	0.014	0.00019	0.000023	0.000034	0.0049	< 0.002	6.7	16	4.0	< 2	< 1	2.0	0.00001	0.017	0.000004	0.0042	0.00054
AMQ-ENV15-074	IVR14-153	150	160	S3C	Greywacke	Waste	Core	3	-	-	-	-	-	-	-	-	-	-	-	6.4	-	-	-	-	1.0	-	-	-	-	-
AMQ-ENV15-042	AMQ15-178	210	220	S3C	Greywacke	Waste	Core	17	-	-	-	-	-	-	-	-	-	-	-	7.2	-	-	-	-	1.0	-	-	-	-	-
AMQ-ENV15-008	AMQ15-232	69	79	S3C	Greywacke	Waste	Core	21	-	-	-	-	-	-	-	-	-	-	-	3.9	-	-	-	-	16	-	-	-	-	-
AMQ-ENV15-098	IVR14-089	92	102	S3C	Greywacke	Waste	Core	19	-	-	-	-	-	-	-	-	-	-	-	5.8	-	-	-	-	1.0	-	-	-	-	-
AMQ-ENV15-097	IVR14-091	190	200	S3C	Greywacke	Waste	Core	23	-	-	-	-	-	-	-	-	-	-	-	6.8	-	-	-	-	2.0	-	-	-	-	-
AMQ-ENV15-106	IVR14-099	95	104	S3C	Greywacke	Waste	Core	23	-	-	-	-	-	-	-	-	-	-	-	6.1	-	-	-	-	1.0	-	-	-	-	-
AMQ-ENV15-107	IVR14-099	115	125	S3C	Greywacke	Waste	Core	32	-	-	-	-	-	-	-	-	-	-	-	7.3	-	-	-	-	1.0	-	-	-	-	-
AMQ-ENV15-108	IVR14-099	150	160	S3C	Greywacke	Waste	Core	22	-	-	-	-	-	-	-	-	-	-	-	6.3	-	-	-	-	1.0	-	-	-	-	-
AMQ-ENV15-064	IVR14-114	105	114	S3C	Greywacke	Waste	Core	40	-	-	-	-	-	-	-	-	-	-	-	5.9	-	-	-	-	1.0	-	-	-	-	-
AMQ-ENV15-065	IVR14-114	125	135	S3C	Greywacke	Waste	Core	29	-	-	-	-	-	-	-	-	-	-	-	6.1	-	-	-	-	1.0	-	-	-	-	-
AMQ-ENV15-066	IVR14-114	148	157	S3C	Greywacke	Waste	Core	21	-	-	-	-	-	-	-	-	-	-	-	6.1	-	-	-	-	1.0	-	-	-	-	-
AMQ-ENV15-025	IVR14-141	139	148	S3C	Greywacke	Waste	Core	0	-	-	-	-	-	-	-	-	-	-	-	6.9	-	-	-	-	70	-	-	-	-	-
AMQ-ENV15-073	IVR14-153	45	55	S3C	Greywacke	Waste	Core	3	-	-	-	-	-	-	-	-	-	-	-	5.8	-	-	-	-	1.0	-	-	-	-	-
AMQ-ENV-49	IVR14-016	106.5	115.5	0a	Ultramafic	Waste	Reject	13	< 0.003	0.00018	0.0019	0.00016	0.00024	0.077	0.00008	0.000018	0.000004	0.0087	< 0.002	11	356	113	< 2	< 1	4.0	0.00002	1.1	0.000003	0.011	0.001
AMQ-ENV-17	IVR14-123	168.2	177.3	S9E	Iron Formation	Waste	Core	23	0.003	0.00001	0.0007	0.00011	0.00037	0.041	0.00017	< 0.000005	0.000005	0.023	< 0.002	8.4	142	78	< 2	1.0	2.0	< 0.00001	0.012	< 0.000002	0.1	0.0084
AMQ-ENV-42	IVR14-118	201.2	213.4	S9E	Iron Formation	Waste	Core	16	< 0.003	0.00003	0.001	0.00036	0.00015	0.023	0.001	0.000052	0.00011	0.0078	< 0.002	6.5	20	5.0	23	< 1	3.0	0.00001	0.012	0.000006	0.004	0.0013
AMQ-ENV-56	IVR14-055	95	105	S9E	Iron Formation	Waste	Reject	8	-	-	-	-	-	-	-	-	-	-	-	6.1	-	-	-	-	2.0	-	-	-	-	-
AMQ-ENV-57	IVR14-056	21	31	S9E	Iron Formation	Waste	Reject	9	-	-	-	-	-	-	-	-	-	-	-	5.5	-	-	-	-	5.0	-	-	-	-	-
AMQ-ENV15-027	AMQ15-164	45	55	S9E	Iron Formation	Waste	Core	3	-	-	-	-	-	-	-	-	-	-	-	4.7	-	-	-	-	12	-	-	-	-	-
AMQ-ENV15-034	AMQ15-180	110	119	S9E	Iron Formation	Waste	Core	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-
AMQ-ENV15-035	AMQ15-211	36	46	S9E	Iron Formation	Waste	Core	0	-	-	-	-	-	-	-	-	-	-	-	5.9	-	-	-	-	7.0	-	-	-	-	-
AMQ-ENV15-010	AMQ15-232	116	124	S9E	Iron Formation	Waste	Core	5	-	-	-	-	-	-	-	-	-	-	-	4.8	-	-	-	-	8.0	-	-	-	-	-
AMQ-ENV15-007	AMQ15-232	50	60	S10	Chert	Waste	Core	2	-	-	-	-	-	-	-	-	-	-	-	5.3	-	-	-	-	20	-	-	-	-	-
AMQ-ENV15-095	IVR14-091	80	90	S10	Chert	Waste	Core	1	-	-	-	-	-	-	-	-	-	-	-	5.0	-	-	-	-	5.0	-	-	-	-	-
AMQ-ENV15-096	IVR14-091	130	140	S10	Chert	Waste	Core	27	-	-	-	-	-	-	-	-	-	-	-	6.4	-	-	-	-	7.0	-	-	-	-	-
AMQ-ENV15-056	IVR14-148	37	47	S10	Chert	Waste	Core	10	-	-	-	-	-	10	-	-	-	-	-	6.2	-	-	-	-	1.0	-	-	-	-	-
AMQ-ENV15-115	IVR14-155	335	345	S10	Chert	Waste	Core	9	-	-	-	-	-	-	-	-	-	-	-	5.5	-	-	-	-	6.0	-	-	-	-	-
RE-13872/RE-13874	-	-	-	-	Processed Ore	Tailing	milling reject	0	< 0.003	0.022	0.0004	0.002	0.00022	0.016	0.021	0.00035	0.00015	0.053	0.036	3.7	126	< 2	17	< 2	26	< 0.00001	0.2	0.00024	0.0008	0.0079

Notes:
a) Discharge of Effluent from the Portage Attenuation Pond at Monitoring Station ST-9. Nunavut Water Board Water License No. 2AM-MEA1525,
b) Discharge of Effluent from the Vault Attenuation Pond at Monitoring Station ST-10. Nunavut Water Board Water License No. 2AM-MEA1525,
nc - statistic could not be calculated
1.0 Results exceeds the Portage Effluent Water Quality Guideline.
1.0 Result exceeds the Vault Effluent Water Quality Guideline.

Agnico Eagle Mines Limited - Meadowbank Division

Portage Effluent Quality Criteria ^a												0.002			0.1						0.2	1	0.1							
Vault Effluent Quality Criteria ^a												0.002			0.1						0.2	1.5	0.1							
Sample ID	Borehole ID	Depth (m)		Lithology Code	Rock Name	Sample Type		Distance to Ore	Sequential NAG Metals - Phase 3																					
		From	To						Beryllium	Bismuth	Boron	Calcium	Cadmium	Cobalt	Chromium	Copper	Iron	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Tin	Strontium
									mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
AMQ-ENV-40	IVR14-118	14	23.2	S3C	Greywacke	Waste	Core	23	0.000014	< 0.000007	0.015	1.5	0.000004	0.00096	0.0036	0.0005	< 0.007	0.59	0.001	0.48	0.1	0.00075	0.06	0.0012	0.003	0.00003	0.0005	0.00019	0.00023	0.0037
AMQ-ENV-109	IVR14-146	10	19.1	S3C	Greywacke	Waste	Core	5	< 0.000007	< 0.000007	0.012	1.1	0.000009	0.000032	0.003	0.0034	0.011	1.3	0.00042	0.44	0.08	0.00034	0.25	0.0001	0.01	0.0002	0.0006	< 0.00004	0.00083	0.0038
AMQ-ENV-03	IVR14-130	61.8	71.2	S3C	Greywacke	Waste	Core	50	< 0.000007	< 0.000007	0.028	0.83	< 0.000003	0.000097	0.0055	0.00073	0.11	0.73	0.00015	0.15	0.068	0.00027	0.15	0.0002	0.023	0.00008	0.0006	< 0.00004	0.0015	0.00098
AMQ-ENV-11	IVR14-116	175	184.1	S3C	Greywacke	Waste	Core	30	< 0.000007	< 0.000007	0.013	1.7	0.000008	0.00004	0.0026	0.00032	0.016	2.3	0.000085	0.32	0.013	0.00031	0.25	0.0002	0.008	0.00007	0.0009	< 0.00004	0.00033	0.0043
AMQ-ENV-13	IVR14-123	9	18.5	S3C	Greywacke	Waste	Core	27	< 0.000007	< 0.000007	0.019	0.66	0.000003	0.00014	0.0024	0.00073	0.12	2.5	0.00018	0.51	0.041	0.00034	0.22	0.0003	0.021	0.00023	0.0007	< 0.00004	0.0013	0.0021
AMQ-ENV-14	IVR14-123	21	30.2	S3C	Greywacke	Waste	Core	19	< 0.000007	< 0.000007	0.035	0.77	0.000007	0.00017	0.0034	0.00058	0.084	1.7	0.00021	0.21	0.033	0.0011	0.2	0.0003	0.034	0.00021	0.0011	< 0.00004	0.0015	0.0012
AMQ-ENV-18	IVR14-114	18	27.2	S3C	Greywacke	Waste	Core	25	< 0.000007	< 0.000007	0.025	0.8	0.000005	0.000065	0.0065	0.00063	0.041	1.8	0.000044	0.19	0.021	0.0003	0.16	0.0002	0.009	0.00008	0.0006	< 0.00004	0.00061	0.0013
AMQ-ENV-19	IVR14-114	75.2	84.1	S3C	Greywacke	Waste	Core	24	< 0.000007	< 0.000007	0.01	1.6	0.000008	0.00003	0.0037	0.00041	0.012	1.9	0.00019	0.65	0.0069	0.00026	0.33	0.0001	0.014	0.00007	0.0007	< 0.00004	0.00024	0.0039
AMQ-ENV-20	IVR14-114	190	199.1	S3C	Greywacke	Waste	Core	11	< 0.000007	< 0.000007	0.012	2.0	0.000005	0.000038	0.0034	0.00056	0.022	3.5	0.0001	0.56	0.011	0.00029	0.4	0.0002	0.013	0.00003	0.0007	< 0.00004	0.00024	0.0046
AMQ-ENV-46	IVR14-130	148.9	155.3	S3C	Greywacke	Waste	Core	21	< 0.000007	< 0.000007	0.019	1.8	0.000005	0.000027	0.0045	0.00041	0.013	1.8	0.000061	0.55	0.0081	0.00028	0.45	0.0001	0.017	0.00004	0.0006	< 0.00004	0.00034	0.0046
AMQ-ENV-53	IVR14-084	150	160.5	S3C	Greywacke	Waste	Reject	10	< 0.000007	< 0.000007	0.0099	1.6	< 0.000003	0.000019	0.0075	0.00045	< 0.007	0.99	0.000047	0.4	0.0039	0.0007	0.29	< 0.0001	0.005	0.00002	0.001	< 0.00004	0.0002	0.0042
AMQ-ENV15-074	IVR14-153	150	160	S3C	Greywacke	Waste	Core	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-042	AMQ15-178	210	220	S3C	Greywacke	Waste	Core	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-008	AMQ15-232	69	79	S3C	Greywacke	Waste	Core	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-098	IVR14-089	92	102	S3C	Greywacke	Waste	Core	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-097	IVR14-091	190	200	S3C	Greywacke	Waste	Core	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-106	IVR14-099	95	104	S3C	Greywacke	Waste	Core	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-107	IVR14-099	115	125	S3C	Greywacke	Waste	Core	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-108	IVR14-099	150	160	S3C	Greywacke	Waste	Core	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-064	IVR14-114	105	114	S3C	Greywacke	Waste	Core	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-065	IVR14-114	125	135	S3C	Greywacke	Waste	Core	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-066	IVR14-114	148	157	S3C	Greywacke	Waste	Core	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-025	IVR14-141	139	148	S3C	Greywacke	Waste	Core	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-073	IVR14-153	45	55	S3C	Greywacke	Waste	Core	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-49	IVR14-016	106.5	115.5	0a	Ultramafic	Waste	Reject	13	< 0.000007	< 0.000007	0.2	47	< 0.000003	< 0.000004	0.051	0.00018	< 0.007	3.1	0.00026	0.005	0.00013	0.00016	0.27	< 0.0001	< 0.003	0.00002	0.0022	0.00007	0.00019	0.056
AMQ-ENV-17	IVR14-123	168.2	177.3	S9E	Iron Formation	Waste	Core	23	< 0.000007	< 0.000007	0.059	29	< 0.000003	0.000029	0.029	0.00096	< 0.007	0.98	0.0024	1.2	0.0081	0.00023	0.08	0.0003	0.03	0.00003	0.0005	0.00009	0.00018	0.05
AMQ-ENV-42	IVR14-118	201.2	213.4	S9E	Iron Formation	Waste	Core	16	< 0.000007	< 0.000007	0.01	1.9	0.000005	0.000034	0.0029	0.00043	0.009	1.7	0.000062	0.44	0.019	0.00026	0.33	0.0002	0.006	0.00002	0.0009	0.00006	0.00027	0.01
AMQ-ENV-56	IVR14-055	95	105	S9E	Iron Formation	Waste	Reject	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-57	IVR14-056	21	31	S9E	Iron Formation	Waste	Reject	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-027	AMQ15-164	45	55	S9E	Iron Formation	Waste	Core	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-034	AMQ15-180	110	119	S9E	Iron Formation	Waste	Core	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-035	AMQ15-211	36	46	S9E	Iron Formation	Waste	Core	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-010	AMQ15-232	116	124	S9E	Iron Formation	Waste	Core	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-007	AMQ15-232	50	60	S10	Chert	Waste	Core	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-095	IVR14-091	80	90	S10	Chert	Waste	Core	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-096	IVR14-091	130	140	S10	Chert	Waste	Core	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-056	IVR14-148	37	47	S10	Chert	Waste	Core	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-115	IVR14-155	335	345	S10	Chert	Waste	Core	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RE-13872/RE-13874	-	-	-	-	Processed Ore	Tailing	milling reject	0	0.000072	< 0.000007	0.034	2.4	0.000004	0.0026	0.022	0.016	0.041	1.0	0.0029	1.5	0.16	0.0028	0.09	0.02	< 0.003	0.0019	0.0004	< 0.001	0.00021	0.0085

a) Discharge of Effluent from the Portage Attenuation Pond at Monitoring Station ST-9. Nunavut Water Board Water License No. 2AM-MEA1525,
b) Discharge of Effluent from the Vault Attenuation Pond at Monitoring Station ST-10. Nunavut Water Board Water License No. 2AM-MEA1525,

1.0	Results exceeds the Portage Effluent Water Quality Guideline.
1.0	Result exceeds the Vault Effluent Water Quality Guideline.

Appendix E.4
NAG Results
Waste Rock, Ore and Tailing
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Portage Effluent Quality Criteria ^a													0.4	6-9				1000		0.0004	1		0.3					0.002		
Vault Effluent Quality Criteria ^b													0.2	6-9				500		0.0004	1		0.1					0.002		
Sample ID	Borehole ID	Depth (m)		Lithology Code	Rock Name	Sample Type		Distance to Ore	Sequential NAG Metals - Phase 3					Sequential NAG Metals - Phase 4																
		From	To						Titanium	Thallium	Uranium	Vanadium	Zinc	pH	Conductivit y	Alkalinity	Acidity	Chloride	Sulphate	Mercury	Aluminum	Silver	Arsenic	Barium	Beryllium	Bismuth	Boron	Calcium	Cadmium	Cobalt
									mg/L	mg/L	mg/L	mg/L	mg/L	no unit	uS/cm	mg/L as CaCO3	mg/L as CaCO3	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
AMQ-ENV-40	IVR14-118	14	23.2	S3C	Greywacke	Waste	Core	23	0.00043	0.000021	0.000006	0.0024	0.003	4.7	20	< 2	6.0	< 1	4.0	< 0.00001	0.031	0.000006	0.0007	0.0019	< 0.000007	< 0.000007	0.018	1.0	< 0.000003	0.00031
AMQ-ENV-109	IVR14-146	10	19.1	S3C	Greywacke	Waste	Core	5	0.018	0.000022	0.000059	0.0026	0.004	5.7	13	4.0	328	17	1.0	< 0.00001	0.019	0.000014	0.0052	0.0017	< 0.000007	< 0.000007	0.0063	1.2	0.000021	0.000046
AMQ-ENV-03	IVR14-130	61.8	71.2	S3C	Greywacke	Waste	Core	50	0.14	0.000012	0.00047	0.0037	< 0.002	5.1	9.0	2.0	269	8.0	2.0	< 0.00001	0.096	0.000007	0.0046	0.0012	< 0.000007	< 0.000007	0.021	0.93	< 0.000003	0.00011
AMQ-ENV-11	IVR14-116	175	184.1	S3C	Greywacke	Waste	Core	30	0.0025	0.000025	0.0001	0.0035	< 0.002	6.4	13	3.0	53	2.0	1.0	< 0.00001	0.049	0.000014	0.004	0.0019	< 0.000007	< 0.000007	0.013	1.4	0.000004	0.000074
AMQ-ENV-13	IVR14-123	9	18.5	S3C	Greywacke	Waste	Core	27	0.032	0.000018	0.00085	0.003	< 0.002	6.0	13	4.0	181	12	1.0	< 0.00001	0.066	0.00001	0.014	0.0022	< 0.000007	< 0.000007	0.013	0.87	0.00001	0.00012
AMQ-ENV-14	IVR14-123	21	30.2	S3C	Greywacke	Waste	Core	19	0.23	0.000037	0.0014	0.0035	< 0.002	5.2	10	2.0	303	< 10	2.0	< 0.00001	0.12	0.00016	0.011	0.0024	< 0.000007	< 0.000007	0.024	0.93	0.000006	0.00023
AMQ-ENV-18	IVR14-114	18	27.2	S3C	Greywacke	Waste	Core	25	0.021	0.000019	0.00042	0.0072	< 0.002	5.5	12	2.0	154	< 10	1.0	< 0.00001	0.069	0.000012	0.0063	0.0017	< 0.000007	< 0.000007	0.02	0.94	0.000003	0.00011
AMQ-ENV-19	IVR14-114	75.2	84.1	S3C	Greywacke	Waste	Core	24	0.0029	0.000021	0.00021	0.0035	< 0.002	6.5	14	4.0	24	3.0	1.0	< 0.00001	0.048	0.000007	0.0037	0.0011	< 0.000007	< 0.000007	0.012	1.2	0.000021	0.000068
AMQ-ENV-20	IVR14-114	190	199.1	S3C	Greywacke	Waste	Core	11	0.0058	0.000035	0.00027	0.0053	< 0.002	6.6	16	5.0	28	1.0	1.0	< 0.00001	0.071	0.000008	0.0096	0.0018	< 0.000007	< 0.000007	0.018	1.3	< 0.000003	0.000087
AMQ-ENV-46	IVR14-130	148.9	155.3	S3C	Greywacke	Waste	Core	21	0.0042	0.000019	0.00032	0.0039	< 0.002	6.6	15	5.0	41	3.0	1.0	< 0.00001	0.041	0.000006	0.021	0.0017	< 0.000007	< 0.000007	0.021	1.4	0.000003	0.000046
AMQ-ENV-53	IVR14-084	150	160.5	S3C	Greywacke	Waste	Reject	10	0.00033	0.000006	0.000016	0.0025	< 0.002	6.5	14	4.0	3.0	< 1	1.0	< 0.00001	0.009	0.000004	0.0013	0.00075	< 0.000007	< 0.000007	0.0077	1.5	0.000005	0.00003
AMQ-ENV15-074	IVR14-153	150	160	S3C	Greywacke	Waste	Core	3	-	-	-	-	-	6.5	-	-	-	-	< 1	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-042	AMQ15-178	210	220	S3C	Greywacke	Waste	Core	17	-	-	-	-	-	6.9	-	-	-	-	< 1	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-008	AMQ15-232	69	79	S3C	Greywacke	Waste	Core	21	-	-	-	-	-	4.2	-	-	-	-	7.0	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-098	IVR14-089	92	102	S3C	Greywacke	Waste	Core	19	-	-	-	-	-	5.9	-	-	-	-	< 1	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-097	IVR14-091	190	200	S3C	Greywacke	Waste	Core	23	-	-	-	-	-	7.0	-	-	-	-	< 1	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-106	IVR14-099	95	104	S3C	Greywacke	Waste	Core	23	-	-	-	-	-	6.2	-	-	-	-	< 1	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-107	IVR14-099	115	125	S3C	Greywacke	Waste	Core	32	-	-	-	-	-	6.7	-	-	-	-	< 1	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-108	IVR14-099	150	160	S3C	Greywacke	Waste	Core	22	-	-	-	-	-	6.2	-	-	-	-	< 1	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-064	IVR14-114	105	114	S3C	Greywacke	Waste	Core	40	-	-	-	-	-	5.9	-	-	-	-	< 1	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-065	IVR14-114	125	135	S3C	Greywacke	Waste	Core	29	-	-	-	-	-	6.0	-	-	-	-	< 1	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-066	IVR14-114	148	157	S3C	Greywacke	Waste	Core	21	-	-	-	-	-	6.1	-	-	-	-	< 1	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-025	IVR14-141	139	148	S3C	Greywacke	Waste	Core	0	-	-	-	-	-	6.5	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-073	IVR14-153	45	55	S3C	Greywacke	Waste	Core	3	-	-	-	-	-	5.8	-	-	-	-	< 1	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-49	IVR14-016	106.5	115.5	0a	Ultramafic	Waste	Reject	13	0.00016	0.000011	0.000004	0.018	< 0.002	10	152	75	< 2	< 1	3.0	< 0.00001	0.8	0.000003	0.023	0.00032	< 0.000007	< 0.000007	0.57	32	< 0.000003	< 0.000004
AMQ-ENV-17	IVR14-123	168.2	177.3	S9E	Iron Formation	Waste	Core	23	0.00031	0.000017	0.000007	0.0066	< 0.002	7.4	41	17	< 2	2.0	2.0	< 0.00001	0.019	0.000002	0.29	0.0043	< 0.000007	< 0.000007	0.068	5.1	< 0.000003	0.00021
AMQ-ENV-42	IVR14-118	201.2	213.4	S9E	Iron Formation	Waste	Core	16	0.0044	0.000033	0.00021	0.0048	< 0.002	6.4	13	4.0	21	4.0	1.0	< 0.00001	0.059	0.000007	0.0079	0.0013	< 0.000007	< 0.000007	0.012	1.3	< 0.000003	0.00009
AMQ-ENV-56	IVR14-055	95	105	S9E	Iron Formation	Waste	Reject	8	-	-	-	-	-	6.5	-	-	-	-	< 1	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV-57	IVR14-056	21	31	S9E	Iron Formation	Waste	Reject	9	-	-	-	-	-	5.8	-	-	-	-	< 1	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-027	AMQ15-164	45	55	S9E	Iron Formation	Waste	Core	3	-	-	-	-	-	5.2	-	-	-	-	4.0	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-034	AMQ15-180	110	119	S9E	Iron Formation	Waste	Core	4	-	-	-	-	-	4.8	-	-	-	-	5.0	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-035	AMQ15-211	36	46	S9E	Iron Formation	Waste	Core	0	-	-	-	-	-	5.1	-	-	-	-	3.0	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-010	AMQ15-232	116	124	S9E	Iron Formation	Waste	Core	5	-	-	-	-	-	5.1	-	-	-	-	4.0	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-007	AMQ15-232	50	60	S10	Chert	Waste	Core	2	-	-	-	-	-	5.9	-	-	-	-	6.0	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-095	IVR14-091	80	90	S10	Chert	Waste	Core	1	-	-	-	-	-	5.3	-	-	-	-	2.0	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-096	IVR14-091	130	140	S10	Chert	Waste	Core	27	-	-	-	-	-	5.4	-	-	-	-	3.0	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-056	IVR14-148	37	47	S10	Chert	Waste	Core	10	-	-	-	-	-	6.2	-	-	-	-	< 1	-	-	-	-	-	-	-	-	-	-	-
AMQ-ENV15-115	IVR14-155	335	345	S10	Chert	Waste	Core	9	-	-	-	-	-	5.7	-	-	-	-	2.0	-	-	-	-	-	-	-	-	-	-	-
RE-13872/RE-13874	-	-	-	-	Processed Ore	Tailing	milling reject	0	0.0018	0.000099	0.000022	0.011	0.007	4.2	52	< 2	6.0	< 2	11	< 0.00001	0.059	0.00041	0.0003	0.0026	0.000019	< 0.000007	0.032	1.4	< 0.000003	0.00089

Notes:
a) Discharge of Effluent from the Portage Attenuation Pond at Monitoring Station ST-9. Nunavut Water Board Water License No. 2AM-MEA1525,
b) Discharge of Effluent from the Vault Attenuation Pond at Monitoring Station ST-10. Nunavut Water Board Water License No. 2AM-MEA1525,
nc - statistic could not be calculated
1.0 Results exceeds the Portage Effluent Water Quality Guideline.
1.0 Result exceeds the Vault Effluent Water Quality Guideline.

Appendix E.4
NAG Results
Waste Rock, Ore and Tailing
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Portage Effluent Quality Criteria ^a										0.1								0.2	1	0.1								0.4				
Vault Effluent Quality Criteria ^b										0.1								0.2	1.5	0.1							0.2					
Sample ID	Borehole ID	Depth (m)		Lithology Code	Rock Name	Sample Type		Distance to Ore	Sequential NAG Metals - Phase 4																		Sequential NAG Metals - Phase 4					
		From	To						Chromium	Copper	Iron	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Tin	Strontium	Silicon	Titanium	Thallium	Uranium	Vanadium	Zinc		
									mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
AMQ-ENV-40	IVR14-118	14	23.2	S3C	Greywacke	Waste	Core	23	0.0012	0.00034	< 0.007	0.36	0.00067	0.35	0.078	0.0005	0.07	0.0006	< 0.003	0.00002	0.0005	0.00015	0.00038	0.0027	-	0.00073	0.000011	0.00006	0.00083	< 0.002		
AMQ-ENV-109	IVR14-146	10	19.1	S3C	Greywacke	Waste	Core	5	0.0023	0.00019	0.016	0.96	0.00035	0.32	0.13	0.001	0.17	0.0001	0.016	0.00003	0.0005	< 0.00004	0.00039	0.0044	-	0.036	0.000023	0.0011	0.0019	< 0.002		
AMQ-ENV-03	IVR14-130	61.8	71.2	S3C	Greywacke	Waste	Core	50	0.0026	0.00077	0.098	0.66	0.00012	0.15	0.062	0.00038	0.12	0.0002	0.043	0.00006	0.0004	< 0.00004	0.002	0.0009	-	0.28	0.000016	0.0007	0.0022	< 0.002		
AMQ-ENV-11	IVR14-116	175	184.1	S3C	Greywacke	Waste	Core	30	0.0023	0.00099	0.034	1.6	0.000035	0.3	0.027	0.00037	0.19	0.0002	0.01	0.00019	0.0005	< 0.00004	0.00074	0.0038	-	0.01	0.000023	0.00028	0.0028	< 0.002		
AMQ-ENV-13	IVR14-123	9	18.5	S3C	Greywacke	Waste	Core	27	0.0022	0.00046	0.074	2.2	0.00013	0.5	0.092	0.0013	0.16	0.0002	0.04	0.00015	0.0005	< 0.00004	0.0013	0.0026	-	0.099	0.000026	0.0017	0.0025	< 0.002		
AMQ-ENV-14	IVR14-123	21	30.2	S3C	Greywacke	Waste	Core	19	0.0025	0.00095	0.084	1.2	0.00023	0.2	0.032	0.0055	0.17	0.0004	0.045	0.00026	0.001	0.00006	0.0022	0.0013	-	0.35	0.000037	0.0017	0.0027	< 0.002		
AMQ-ENV-18	IVR14-114	18	27.2	S3C	Greywacke	Waste	Core	25	0.0027	0.00047	0.062	1.6	0.000032	0.21	0.027	0.00045	0.14	0.0002	0.017	0.00008	0.0004	< 0.00004	0.0011	0.0014	-	0.054	0.000021	0.00075	0.0031	< 0.002		
AMQ-ENV-19	IVR14-114	75.2	84.1	S3C	Greywacke	Waste	Core	24	0.0033	0.0005	0.032	1.2	0.000075	0.48	0.011	0.00028	0.25	0.0001	0.012	0.00006	0.0005	< 0.00004	0.00053	0.0032	-	0.012	0.000015	0.00026	0.0031	< 0.002		
AMQ-ENV-20	IVR14-114	190	199.1	S3C	Greywacke	Waste	Core	11	0.0035	0.00041	0.055	2.3	0.00004	0.42	0.013	0.00047	0.35	0.0002	0.015	0.00006	0.0005	< 0.00004	0.00073	0.0033	-	0.015	0.000024	0.00032	0.0053	< 0.002		
AMQ-ENV-46	IVR14-130	148.9	155.3	S3C	Greywacke	Waste	Core	21	0.003	0.00078	0.026	1.4	0.000022	0.47	0.02	0.00055	0.33	0.0001	0.02	0.00007	0.0005	< 0.00004	0.00057	0.004	-	0.019	0.000018	0.00065	0.0029	< 0.002		
AMQ-ENV-53	IVR14-084	150	160.5	S3C	Greywacke	Waste	Reject	10	0.0056	0.00028	< 0.007	0.87	< 0.000006	0.41	0.031	0.00032	0.23	< 0.0001	< 0.003	< 0.00001	0.0006	< 0.00004	0.00022	0.0049	-	0.00082	0.000011	0.000043	0.0013	< 0.002		
AMQ-ENV15-074	IVR14-153	150	160	S3C	Greywacke	Waste	Core	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AMQ-ENV15-042	AMQ15-178	210	220	S3C	Greywacke	Waste	Core	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AMQ-ENV15-008	AMQ15-232	69	79	S3C	Greywacke	Waste	Core	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AMQ-ENV15-098	IVR14-089	92	102	S3C	Greywacke	Waste	Core	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AMQ-ENV15-097	IVR14-091	190	200	S3C	Greywacke	Waste	Core	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AMQ-ENV15-106	IVR14-099	95	104	S3C	Greywacke	Waste	Core	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AMQ-ENV15-107	IVR14-099	115	125	S3C	Greywacke	Waste	Core	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AMQ-ENV15-108	IVR14-099	150	160	S3C	Greywacke	Waste	Core	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AMQ-ENV15-064	IVR14-114	105	114	S3C	Greywacke	Waste	Core	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AMQ-ENV15-065	IVR14-114	125	135	S3C	Greywacke	Waste	Core	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AMQ-ENV15-066	IVR14-114	148	157	S3C	Greywacke	Waste	Core	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AMQ-ENV15-025	IVR14-141	139	148	S3C	Greywacke	Waste	Core	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AMQ-ENV15-073	IVR14-153	45	55	S3C	Greywacke	Waste	Core	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AMQ-ENV-49	IVR14-016	106.5	115.5	0a	Ultramafic	Waste	Reject	13	0.04	0.00063	< 0.007	1.9	0.00016	0.003	0.0001	0.00014	0.44	< 0.0001	< 0.003	< 0.00001	0.0018	0.00005	0.00025	0.034	-	0.00034	0.000005	0.00001	0.027	< 0.002		
AMQ-ENV-17	IVR14-123	168.2	177.3	S9E	Iron Formation	Waste	Core	23	0.046	0.0071	0.026	0.59	0.002	2.1	0.004	0.00025	0.11	0.001	0.098	0.00003	0.0006	0.0002	0.00095	0.013	-	0.00071	0.000007	0.000013	0.0037	0.002		
AMQ-ENV-42	IVR14-118	201.2	213.4	S9E	Iron Formation	Waste	Core	16	0.0027	0.00046	0.047	1.1	0.000025	0.34	0.019	0.00025	0.28	0.0002	0.014	0.00009	0.0005	< 0.00004	0.00086	0.0065	-	0.018	0.000017	0.00038	0.0044	< 0.002		
AMQ-ENV-56	IVR14-055	95	105	S9E	Iron Formation	Waste	Reject	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AMQ-ENV-57	IVR14-056	21	31	S9E	Iron Formation	Waste	Reject	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AMQ-ENV15-027	AMQ15-164	45	55	S9E	Iron Formation	Waste	Core	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AMQ-ENV15-034	AMQ15-180	110	119	S9E	Iron Formation	Waste	Core	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AMQ-ENV15-035	AMQ15-211	36	46	S9E	Iron Formation	Waste	Core	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AMQ-ENV15-010	AMQ15-232	116	124	S9E	Iron Formation	Waste	Core	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AMQ-ENV15-007	AMQ15-232	50	60	S10	Chert	Waste	Core	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AMQ-ENV15-095	IVR14-091	80	90	S10	Chert	Waste	Core	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AMQ-ENV15-096	IVR14-091	130	140	S10	Chert	Waste	Core	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AMQ-ENV15-056	IVR14-148	37	47	S10	Chert	Waste	Core	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AMQ-ENV15-115	IVR14-155	335	345	S10	Chert	Waste	Core	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
RE-13872/RE-13874	-	-	-	-	Processed Ore	Tailing	milling reject	0	0.02	0.0062	0.007	0.47	0.0015	0.9	0.093	0.0013	0.07	0.0089	< 0.003	0.00039	0.0003	< 0.001	0.00056	0.0053	3.8	0.00056	0.000044	0.000005	0.0028	0.006		

Notes:
a) Discharge of Effluent from the Portage Attenuation Pond at Monitoring Station ST-9. Nunavut Water Board Water License No. 2AM-MEA1525,
b) Discharge of Effluent from the Vault Attenuation Pond at Monitoring Station ST-10. Nunavut Water Board Water License No. 2AM-MEA1525,
nc - statistic could not be calculated
1.0 Results exceeds the Portage Effluent Water Quality Guideline.
1.0 Result exceeds the Vault Effluent Water Quality Guideline.



E.5 – Short-Term Leaching Tests

Appendix E.5
Shake Flask Extraction Results
Waste Rock, Ore, Tailing, Soil and Lake Sediment
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Portage Effluent Quality Criteria ³										6-9					1000					20		1.5	0.0004			1	0.3					0.002	
Vault Effluent Quality Criteria ³										6-9					500					50		1	0.0004			1	0.1						0.002
Sample ID	Borehole ID	Depth (m)		Lithology Code	Rock Name	Sample Type		Distance to Ore	Final pH	Alkalinity	Conductivity	Fluoride	Chloride	Sulphate	Bromide	Nitrite (as N)	Nitrate (as N)	Chromium	Phosphorus (total reactive)	Mercury	Silver	Aluminum	Arsenic	Barium	Boron	Beryllium	Bismuth	Calcium	Cadmium				
		From	To							mg/L as CaCO3	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	as N mg/L	as N mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
AMQ-ENV15-029	AMQ15-170	50	60	0a	Ultramafic	Waste	Core	0	9.6	29	75	< 0.06	4.0	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.000006	0.041	0.079	0.0091	0.0084	< 0.000007	< 0.000007	7.0	< 0.000003				
AMQ-ENV-44	IVR14-118	281	295	0a	Ultramafic	Waste	Core	39	9.8	42	88	0.06	< 2	< 2	< 3	< 0.3	< 0.6	-	< 0.03	< 0.00001	< 0.000002	0.01	0.13	0.0043	0.1	< 0.000007	< 0.000007	3.0	< 0.000003				
AMQ-ENV15-028	AMQ15-164	80	90	0a	Ultramafic	Waste	Core	24	9.6	32	87	< 0.06	3.0	1.0	< 3	< 0.3	< 0.6	0.5	0.13	< 0.00001	0.000041	0.075	1.1	0.0062	0.016	< 0.000007	< 0.000007	5.9	0.000003				
AMQ-ENV-16	IVR14-123	95	104	0a	Ultramafic	Waste	Core	17	9.5	34	75	< 0.06	< 2	< 2	< 3	< 0.3	< 0.6	-	< 0.03	< 0.00001	< 0.000002	< 0.01	0.31	0.0063	0.029	< 0.000007	< 0.000007	5.5	< 0.000003				
AMQ-ENV-31	IVR14-120	61	68	0a	Ultramafic	Waste	Core	10	9.4	43	134	0.07	< 2	5.6	< 3	< 0.3	< 0.6	-	2.0	< 0.00001	< 0.000002	< 0.01	5.5	0.028	0.016	< 0.000007	< 0.000007	12	< 0.000003				
AMQ-ENV-32	IVR14-120	77	86	0a	Ultramafic	Waste	Core	6	9.4	44	105	< 0.06	2.4	< 2	< 3	< 0.3	< 0.6	-	0.11	< 0.00001	< 0.000002	< 0.01	0.98	0.02	0.014	< 0.000007	< 0.000007	5.2	< 0.000003				
AMQ-ENV-33	IVR14-120	97	106	0a	Ultramafic	Waste	Core	32	9.6	45	88	< 0.06	< 2	< 2	< 3	< 0.3	< 0.6	-	< 0.03	< 0.00001	< 0.000002	< 0.01	0.11	0.013	0.023	< 0.000007	< 0.000007	3.8	< 0.000003				
AMQ-ENV-39	IVR14-121A	151	160	0a	Ultramafic	Waste	Core	10	9.4	42	85	< 0.06	< 2	< 2	< 3	< 0.3	< 0.6	-	< 0.03	< 0.00001	< 0.000002	< 0.01	0.21	0.014	0.023	< 0.000007	< 0.000007	4.7	< 0.000003				
AMQ-ENV-121	IVR14-149	190	199	0a	Ultramafic	Waste	Core	18	9.9	94	216	0.33	< 2	6.7	< 3	< 0.3	< 0.6	-	0.12	< 0.00001	< 0.000002	0.04	0.36	0.0048	0.1	< 0.000007	< 0.000007	2.0	< 0.000003				
AMQ-ENV15-030	AMQ15-170	160	170	0a	Ultramafic	Waste	Core	2	9.6	29	62	< 0.06	1.0	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.000007	0.031	0.084	0.0048	0.015	< 0.000007	< 0.000007	5.7	< 0.000003				
AMQ-ENV15-016	AMQ15-225	31	40	0a	Ultramafic	Waste	Core	23	9.1	38	203	< 0.06	13	34	< 3	< 0.3	< 0.6	0.2	0.37	< 0.00001	0.00002	0.091	1.7	0.053	0.013	< 0.000007	0.000015	12	< 0.000003				
AMQ-ENV15-011	AMQ15-232	149	159	0a	Ultramafic	Waste	Core	11	9.8	34	85	< 0.06	2.0	< 1	< 3	< 0.3	< 0.6	1.3	0.17	< 0.00001	0.000003	0.14	1.2	0.0061	0.02	< 0.000007	< 0.000007	4.5	< 0.000003				
AMQ-ENV15-014	AMQ15-236	25	35	0a	Ultramafic	Waste	Core	8	9.6	34	90	0.09	5.0	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.000002	0.031	0.01	0.024	0.0085	< 0.000007	< 0.000007	5.5	< 0.000003				
AMQ-ENV15-090	IVR14-079	97	107	0a	Ultramafic	Waste	Core	11	9.7	33	84	< 0.06	2.0	1.0	< 3	< 0.3	< 0.6	1.1	0.24	< 0.00001	< 0.000002	0.092	1.4	0.0075	0.0063	< 0.000007	< 0.000007	5.4	< 0.000003				
AMQ-ENV15-026	IVR14-141	224	234	0a	Ultramafic	Waste	Core	2	9.6	31	72	< 0.06	2.0	1.0	< 3	< 0.3	< 0.6	0.8	0.15	< 0.00001	0.000002	0.037	1.1	0.0088	0.021	< 0.000007	< 0.000007	6.5	< 0.000003				
AMQ-ENV15-055	IVR14-148	95	105	0a	Ultramafic	Waste	Core	29	9.6	29	66	< 0.06	< 1	1.0	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.000002	0.026	0.056	0.011	0.012	< 0.000007	< 0.000007	5.3	< 0.000003				
AMQ-ENV-49	IVR14-016	107	116	0a	Ultramafic	Waste	Reject	13	9.2	42	464	0.11	3.1	130	< 3	< 0.3	< 0.6	0.5	1.6	< 0.00001	0.000008	0.16	4.7	0.0021	0.018	< 0.000007	< 0.000007	11	< 0.000003				
AMQ-ENV-58	IVR14-056	44	54	0a	Ultramafic	Waste	Reject	4	9.4	64	204	0.2	4.4	22	< 3	< 0.3	< 0.6	5.8	2.2	< 0.00001	< 0.000002	0.032	5.6	0.0034	0.067	< 0.000007	0.000007	5.3	< 0.000003				
AMQ-ENV-69	IVR14-015	70	80	0a	Ultramafic	Waste	Reject	14	9.1	39	473	0.11	86	36	< 3	< 0.3	< 0.6	1.3	4.3	< 0.00001	0.000004	0.07	8.9	0.0073	0.041	< 0.000007	< 0.000007	16	< 0.000003				
AMQ-ENV-70	IVR14-015	83	93	0a	Ultramafic	Waste	Reject	19	9.4	38	130	0.09	6.6	13	< 3	< 0.3	< 0.6	0.5	0.72	< 0.00001	< 0.000002	0.019	2.4	0.0051	0.026	< 0.000007	< 0.000007	7.5	< 0.000003				
AMQ-ENV-73	IVR14-097	182	192	0a	Ultramafic	Waste	Reject	10	9.3	46	111	0.14	< 2	2.7	< 3	< 0.3	< 0.6	1.6	0.65	< 0.00001	0.000004	0.013	2.3	0.0038	0.068	< 0.000007	< 0.000007	6.4	< 0.000003				
Ultramafics - 0a						Minimum			9.1	29	62	< 0.06	< 1	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.000002	< 0.01	0.01	0.0021	0.0063	< 0.000007	< 0.000007	2.0	< 0.000003				
						Maximum			9.9	94	473	0.33	86	130	< 3	< 0.3	< 0.6	5.8	4.3	< 0.00001	0.000041	0.16	8.9	0.053	0.1	< 0.000007	0.000015	16	0.000003				
						Median			9.6	38	88	0.06	2.0	2.0	nc	nc	nc	0.5	0.13	nc	0.000002	0.031	1.1	0.0073	0.02	nc	0.000007	5.5	0.000003				
						Average			9.5	41	143	0.091	7.1	13	nc	nc	nc	1.0	0.62	nc	0.0000057	0.045	1.8	0.012	0.031	nc	0.0000074	6.7	0.000003				
						Std. Deviation			nc	15	118	0.065	18	29	nc	nc	nc	1.3	1.1	nc	0.0000091	0.043	2.4	0.012	0.029	nc	0.0000017	3.3	8.7E-22				
						75th Percentile			nc	43	134	0.09	4.0	6.7	nc	nc	nc	1.3	0.65	nc	0.000004	0.07	2.3	0.013	0.029	nc	0.000007	7.0	0.000003				
AMQ-ENV-02	IVR14-130	34	44	0b	Ultramafic	Waste	Core	49	9.5	35	97	0.08	< 2	6.7	< 3	< 0.3	< 0.6	-	< 0.03	< 0.00001	< 0.000002	0.01	0.27	0.025	0.013	< 0.000007	< 0.000007	5.7	< 0.000003				
AMQ-ENV-09	IVR14-116	47	56	0b	Ultramafic	Waste	Core	25	9.8	46	122	0.14	2.5	4.4	< 3	< 0.3	< 0.6	-	0.04	< 0.00001	< 0.000002	0.05	0.048	0.037	0.015	< 0.000007	< 0.000007	4.1	< 0.000003				
AMQ-ENV-10	IVR14-116	60	69	0b	Ultramafic	Waste	Core	15	9.5	63	151	0.15	3.4	3.3	< 3	< 0.3	< 0.6	-	0.04	< 0.00001	< 0.000002	0.01	0.31	0.065	0.023	< 0.000007	< 0.000007	7.7	< 0.000003				
AMQ-ENV-113	IVR14-131	220	229	0b	Ultramafic	Waste	Core	28	10.0	58	128	0.21	< 2	< 2	< 3	< 0.3	< 0.6	-	< 0.03	< 0.00001	0.000002	0.28	0.0027	0.0029	0.063	< 0.000007	< 0.000007	1.7	0.000008				
AMQ-ENV-119	IVR14-149	10	19	0b	Ultramafic	Waste	Core	100	10	66	155	0.31	< 2	3.3	< 3	< 0.3	< 0.6	-	0.04	< 0.00001	< 0.000002	0.06	0.093	0.0075	0.059	< 0.000007	< 0.000007	2.2	< 0.000003				
AMQ-ENV-122	IVR14-152	10	19	0b	Ultramafic	Waste	Core	96	9.4	38	131	0.16	< 2	10	< 3	< 0.3	< 0.6	-	< 0.03	< 0.00001	0.000007	0.32	0.019	0.024	0.015	< 0.000007	< 0.000007	5.7	< 0.000003				
AMQ-ENV15-020	AMQ15-167	21	31	0b	Ultramafic	Waste	Core	3	9.3																								

Appendix E.5
Shake Flask Extraction Results
Waste Rock, Ore, Tailing, Soil and Lake Sediment
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Portage Effluent Quality Criteria ^a											0.1									0.2	1	0.1									0.4
Vault Effluent Quality Criteria ^b											0.1									0.2	1.5	0.1									0.2
Sample ID	Borehole ID	Depth (m)		Lithology Code	Rock Name	Sample Type		Distance to Ore	Cobalt	Chromium	Copper	Iron	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Silicon	Tin	Strontium	Titanium	Thallium	Uranium	Vanadium	Zinc
		From	To						mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
AMQ-ENV15-029	AMQ15-170	50	60	0a	Ultramafic	Waste	Core	0	0.000034	< 0.00003	0.00013	0.009	5.1	0.0002	2.1	0.0001	0.00006	0.66	0.0003	< 0.003	0.00001	0.0015	< 0.00004	2.7	< 0.00001	0.075	< 0.00005	0.000023	< 0.000002	0.0011	< 0.002
AMQ-ENV-44	IVR14-118	281	295	0a	Ultramafic	Waste	Core	39	0.000069	0.00026	0.00028	< 0.002	14	0.000086	0.51	0.00014	0.00011	5.7	0.0004	< 0.009	0.00001	0.0071	< 0.001	5.3	0.00006	0.049	0.00013	0.000053	0.000002	0.0092	< 0.001
AMQ-ENV15-028	AMQ15-164	80	90	0a	Ultramafic	Waste	Core	24	0.000043	0.00043	0.00013	0.01	13	0.00086	1.2	0.00041	0.00021	0.82	0.0006	< 0.003	< 0.00001	0.013	0.00018	5.4	< 0.00001	0.041	< 0.00005	0.000027	< 0.000002	0.012	< 0.002
AMQ-ENV-16	IVR14-123	95	104	0a	Ultramafic	Waste	Core	17	0.000089	0.0002	0.00019	0.005	9.1	0.00003	2.0	0.0011	0.00012	0.58	0.001	0.011	0.00002	0.015	< 0.001	5.0	0.00003	0.034	0.00013	0.000061	0.000002	0.0049	< 0.001
AMQ-ENV-31	IVR14-120	61	68	0a	Ultramafic	Waste	Core	10	0.000054	0.0021	0.00044	< 0.002	13	0.000085	3.5	0.00034	0.00047	0.68	0.0037	0.015	< 0.00001	0.083	< 0.001	9.6	0.00004	0.03	0.0001	0.000005	0.000012	0.02	< 0.001
AMQ-ENV-32	IVR14-120	77	86	0a	Ultramafic	Waste	Core	6	0.000051	0.0003	0.00018	< 0.002	20	0.00011	2.1	0.00013	0.00011	0.51	0.0008	0.01	< 0.00001	0.019	< 0.001	4.7	0.00002	0.038	< 0.00005	0.000083	0.000004	0.0057	< 0.001
AMQ-ENV-33	IVR14-120	97	106	0a	Ultramafic	Waste	Core	32	0.000057	0.00018	0.00021	< 0.002	18	0.000058	1.2	0.00022	0.00004	0.65	0.0005	< 0.009	< 0.00001	0.0087	< 0.001	5.1	0.00002	0.04	0.00008	0.000054	< 0.000002	0.0085	< 0.001
AMQ-ENV-39	IVR14-121A	151	160	0a	Ultramafic	Waste	Core	10	0.00024	0.00013	0.00088	< 0.002	14	0.000053	2.0	0.0002	0.00008	0.9	0.001	< 0.009	0.00006	0.0053	< 0.001	4.3	0.00008	0.055	< 0.00005	0.000049	0.00001	0.0031	< 0.001
AMQ-ENV-121	IVR14-149	190	199	0a	Ultramafic	Waste	Core	18	0.000089	0.0044	0.00078	0.08	28	0.00061	0.38	0.0013	0.00052	23	0.0013	0.027	0.00013	0.017	< 0.001	16	0.0001	0.025	0.004	< 0.000005	0.000021	0.026	< 0.001
AMQ-ENV15-030	AMQ15-170	160	170	0a	Ultramafic	Waste	Core	2	0.000029	< 0.00003	0.00041	0.007	3.2	0.000039	2.2	0.00007	0.00004	1.3	0.0004	< 0.003	0.00001	0.0033	0.00009	2.7	0.00014	0.076	< 0.00005	0.000007	0.000003	0.0021	< 0.002
AMQ-ENV15-016	AMQ15-225	31	40	0a	Ultramafic	Waste	Core	23	0.000094	0.00013	0.00038	0.024	25	0.0015	3.9	0.0031	0.00041	1.9	0.0067	< 0.003	< 0.00001	0.019	0.0023	3.2	< 0.00001	0.11	0.00021	0.000025	0.000008	0.0055	< 0.002
AMQ-ENV15-011	AMQ15-232	149	159	0a	Ultramafic	Waste	Core	11	0.000054	0.0016	0.0001	0.023	16	0.0028	0.63	0.00061	0.00011	1.2	0.0008	< 0.003	< 0.00001	0.012	0.00013	7.5	< 0.00001	0.039	0.00037	< 0.000005	< 0.000002	0.015	< 0.002
AMQ-ENV15-014	AMQ15-236	25	35	0a	Ultramafic	Waste	Core	8	0.000033	< 0.00003	0.00038	0.008	14	0.00021	1.8	0.00007	0.00006	0.41	0.0002	< 0.003	< 0.00001	0.0021	< 0.00004	2.7	< 0.00001	0.063	< 0.00005	0.00002	< 0.000002	0.0016	< 0.002
AMQ-ENV15-090	IVR14-079	97	107	0a	Ultramafic	Waste	Core	11	0.000052	0.0011	0.00032	0.011	15	0.0004	0.88	0.00032	0.00024	0.6	0.0012	< 0.003	0.00001	0.026	0.00008	5.9	0.00001	0.024	0.00013	< 0.000005	< 0.000002	0.011	< 0.002
AMQ-ENV15-026	IVR14-141	224	234	0a	Ultramafic	Waste	Core	2	0.000048	0.00064	0.00012	0.009	6.3	0.000046	1.8	0.00017	0.00004	0.9	0.002	< 0.003	< 0.00001	0.011	< 0.00004	3.9	< 0.00001	0.079	< 0.00005	0.000011	< 0.000002	0.0055	< 0.002
AMQ-ENV15-055	IVR14-148	95	105	0a	Ultramafic	Waste	Core	29	0.000034	< 0.00003	0.0001	< 0.007	7.8	0.000027	1.6	0.00005	0.00006	0.46	0.0002	< 0.003	< 0.00001	0.0041	< 0.00004	3.5	< 0.00001	0.057	< 0.00005	0.000035	< 0.000002	0.0028	< 0.002
AMQ-ENV-49	IVR14-016	107	116	0a	Ultramafic	Waste	Reject	13	0.000086	0.00052	0.00034	< 0.007	28	0.0016	2.9	0.0022	0.0011	64	0.0037	0.005	< 0.00001	0.045	< 0.001	3.5	0.00003	0.054	0.00009	< 0.000005	0.000015	0.011	< 0.001
AMQ-ENV-58	IVR14-056	44	54	0a	Ultramafic	Waste	Reject	4	0.00015	0.0076	0.00032	0.064	35	0.0012	2.3	0.0016	0.0003	13	0.0028	0.014	0.00002	0.064	< 0.001	7.9	0.00003	0.02	0.0016	< 0.000005	0.000003	0.029	< 0.001
AMQ-ENV-69	IVR14-015	70	80	0a	Ultramafic	Waste	Reject	14	0.00013	0.0012	0.0002	0.007	31	0.0032	4.1	0.0019	0.00065	54	0.0077	0.005	< 0.00001	0.13	< 0.001	5.7	0.00004	0.039	0.00026	< 0.000005	0.000007	0.02	< 0.001
AMQ-ENV-70	IVR14-015	83	93	0a	Ultramafic	Waste	Reject	19	0.000024	0.00055	0.00019	< 0.007	17	0.000098	4.3	0.00025	0.00034	1.1	0.0009	0.006	< 0.00001	0.036	< 0.001	5.7	0.00006	0.077	0.0001	0.000008	0.000002	0.02	< 0.001
AMQ-ENV-73	IVR14-097	182	192	0a	Ultramafic	Waste	Reject	10	0.000065	0.002	0.00018	0.014	11	0.00022	2.6	0.00026	0.00056	7.0	0.0018	0.008	0.00001	0.025	< 0.001	6.8	0.00004	0.066	0.00019	< 0.000005	0.000013	0.017	< 0.001
Ultramafics - 0a								Minimum	0.000024	< 0.00003	0.0001	< 0.002	3.2	0.000027	0.38	0.00005	0.00004	0.41	0.0002	< 0.003	< 0.00001	0.0015	< 0.00004	2.7	< 0.00001	0.02	< 0.00005	< 0.000005	< 0.000002	0.0011	< 0.001
								Maximum	0.00024	0.0076	0.00088	0.08	35	0.0032	4.3	0.0031	0.0011	64	0.0077	0.027	0.00013	0.13	0.0023	16	0.00014	0.11	0.004	0.000083	0.000021	0.029	< 0.002
								Median	0.000054	0.00043	0.00021	0.007	14	0.0002	2.0	0.00026	0.00012	0.9	0.001	0.005	0.00001	0.015	0.0001	5.1	0.00003	0.049	0.0001	0.000011	0.000002	0.0092	nc
								Average	0.000072	0.0011	0.0003	0.014	16	0.00064	2.1	0.00069	0.00027	8.5	0.0018	0.0074	0.000019	0.026	0.00071	5.6	0.000037	0.052	0.00037	0.000024	0.0000056	0.011	nc
								Std. Deviation	0.00005	0.0018	0.00021	0.02	8.7	0.00094	1.1	0.00085	0.00027	18	0.0021	0.0059	0.000028	0.032	0.00058	2.9	0.000035	0.023	0.00088	0.000023	0.0000055	0.0082	nc
									75th Percentile	0.000089	0.0012	0.00038	0.011	20	0.00086	2.6	0.0011	0.00041	5.7	0.002	0.009	0.00001	0.026	0.001	5.9	0.00004	0.066	0.00019	0.000035	0.000008	0.017
AMQ-ENV-02	IVR14-130	34	44	0b	Ultramafic	Waste	Core	49	0.000067	0.00019	0.0003	< 0.002	15	0.0006	1.7	0.00024	0.00049	0.85	0.0007	< 0.009	< 0.00001	0.0026	< 0.001	4.8	0.00003	0.14	0.00007	0.000067	0.000008	0.0051	< 0.001
AMQ-ENV-09	IVR14-116	47	56	0b	Ultramafic	Waste	Core	25	0.00003	0.00097	0.00027																				

Appendix E.5
Shake Flask Extraction Results
Waste Rock, Ore, Tailing, Soil and Lake Sediment
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Portage Effluent Quality Criteria ^a									6-9				1000				20		1.5	0.0004		1	0.3					0.002	
Vault Effluent Quality Criteria ^b									6-9				500				50		1	0.0004		1	0.1					0.002	
Sample ID	Borehole ID	Depth (m)		Lithology Code	Rock Name	Sample Type		Distance to Ore	Final pH	Alkalinity	Conductivity	Fluoride	Chloride	Sulphate	Bromide	Nitrite (as N)	Nitrate (as N)	Chromium	Phosphorus (total reactive)	Mercury	Silver	Aluminum	Arsenic	Barium	Boron	Beryllium	Bismuth	Calcium	Cadmium
		From	To							mg/L as CaCO3	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	as N mg/L	as N mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
AMQ-ENV15-009	AMQ15-232	92	102	S3C	Central Greywacke	Waste	Core	0	9.0	38	143	0.12	22	1.0	<3	<0.3	<0.6	<0.2	<0.03	<0.00001	0.000009	0.088	0.12	0.0016	0.021	<0.000007	0.000019	8.9	<0.000003
AMQ-ENV15-025	IVR14-141	139	148	S3C	Central Greywacke	Waste	Core	0	9.5	43	123	0.13	14	<1	<3	<0.3	<0.6	<0.2	<0.03	<0.00001	0.000008	0.073	0.045	0.0096	0.018	<0.000007	0.00001	5.4	<0.000003
AMQ-ENV-28	IVR14-120	14	25	S3C	Central Greywacke	Waste	Core	18	6.6	3.0	130	0.06	<2	44	<3	<0.3	<0.6	-	<0.03	<0.00001	0.000001	<0.01	0.031	0.0084	0.016	0.000007	<0.000007	3.3	0.000074
AMQ-ENV-29	IVR14-120	33	42	S3C	Central Greywacke	Waste	Core	7	8.0	64	327	0.09	<2	43	<3	<0.3	<0.6	-	<0.03	<0.00001	0.000043	0.02	0.0052	0.0071	0.013	<0.000007	0.000011	30	<0.000003
AMQ-ENV-34	IVR14-121A	22	31	S3C	Central Greywacke	Waste	Core	4	8.8	52	222	0.2	<2	16	<3	<0.3	<0.6	-	<0.03	<0.00001	0.000019	0.18	0.08	0.0025	0.026	<0.000007	<0.000007	17	<0.000003
AMQ-ENV-40	IVR14-118	14	23	S3C	Central Greywacke	Waste	Core	23	8.5	41	154	0.1	<2	10	<3	<0.3	<0.6	-	<0.03	<0.00001	0.000008	0.09	0.0074	0.0052	0.016	<0.000007	<0.000007	15	<0.000003
AMQ-ENV-109	IVR14-146	10	19	S3C	Central Greywacke	Waste	Core	5	9.4	53	114	0.29	<2	4.3	<3	<0.3	<0.6	-	0.05	<0.00001	0.000007	1.5	0.046	0.0055	0.065	0.000015	0.000012	2.4	<0.000003
AMQ-ENV15-042	AMQ15-178	210	220	S3C	Central Greywacke	Waste	Core	17	9.7	33	69	0.3	1.0	<1	<3	<0.3	<0.6	<0.2	0.03	<0.00001	<0.000002	1.9	0.029	0.0037	0.018	<0.000007	<0.000007	2.6	<0.000003
AMQ-ENV15-008	AMQ15-232	69	79	S3C	Central Greywacke	Waste	Core	21	9.0	38	130	0.43	19	<1	<3	<0.3	<0.6	<0.2	<0.03	<0.00001	0.00016	0.34	0.0045	0.0021	0.022	<0.000007	0.000036	9.3	<0.000003
AMQ-ENV15-091	IVR14-079	16	24	S3C	Central Greywacke	Waste	Core	16	8.0	43	203	0.17	19	27	<3	<0.3	<0.6	<0.2	<0.03	<0.00001	0.000018	0.038	0.037	0.018	0.043	<0.000007	<0.000007	11	<0.000003
AMQ-ENV15-098	IVR14-089	92	102	S3C	Central Greywacke	Waste	Core	19	9.5	41	90	0.14	3.0	<1	<3	<0.3	<0.6	<0.2	0.08	<0.00001	0.000003	1.1	0.15	0.0071	0.024	0.00001	<0.000007	2.6	<0.000003
AMQ-ENV15-097	IVR14-091	190	200	S3C	Central Greywacke	Waste	Core	23	9.7	42	91	0.12	2.0	<1	<3	<0.3	<0.6	<0.2	0.05	<0.00001	<0.000002	1.1	0.16	0.0023	0.026	0.000007	<0.000007	2.9	0.000003
AMQ-ENV15-106	IVR14-099	95	104	S3C	Central Greywacke	Waste	Core	23	9.7	54	109	0.27	2.0	<1	<3	<0.3	<0.6	0.6	<0.03	<0.00001	0.000002	0.98	0.0057	0.0017	0.1	<0.000007	<0.000007	2.3	<0.000003
AMQ-ENV15-064	IVR14-114	105	114	S3C	Central Greywacke	Waste	Core	40	9.3	40	110	0.17	7.0	<1	<3	<0.3	<0.6	<0.2	0.05	<0.00001	0.000004	0.82	0.11	0.0035	0.038	<0.000007	<0.000007	3.6	<0.000003
AMQ-ENV15-048	IVR14-141	119	129	S3C	Central Greywacke	Waste	Core	11	9.6	44	94	0.18	2.0	<1	<3	<0.3	<0.6	<0.2	<0.03	<0.00001	<0.000002	1.1	0.021	0.0023	0.024	<0.000007	<0.000007	4.1	<0.000003
AMQ-ENV15-073	IVR14-153	45	55	S3C	Central Greywacke	Waste	Core	3	9.6	40	87	0.12	3.0	<1	<3	<0.3	<0.6	<0.2	<0.03	<0.00001	0.000002	0.87	0.071	0.009	0.03	0.000008	<0.000007	3.0	<0.000003
AMQ-ENV15-075	IVR14-153	90	100	S3C	Central Greywacke	Waste	Core	12	9.4	44	104	0.17	6.0	<1	<3	<0.3	<0.6	0.2	0.03	<0.00001	<0.000002	0.81	0.058	0.0028	0.05	<0.000007	<0.000007	3.9	<0.000003
AMQ-ENV15-074	IVR14-153	150	160	S3C	Central Greywacke	Waste	Core	3	9.6	42	94	0.17	1.0	<1	<3	<0.3	<0.6	<0.2	0.04	<0.00001	<0.000002	1.4	0.04	0.0024	0.034	<0.000007	<0.000007	2.3	<0.000003
AMQ-ENV-03	IVR14-130	62	71	S3C	Central Greywacke	Waste	Core	50	8.7	36	130	0.12	<2	8.7	<3	<0.3	<0.6	-	<0.03	<0.00001	0.000006	0.54	0.0045	0.0037	0.013	<0.000007	<0.000007	12	<0.000003
AMQ-ENV-11	IVR14-116	175	184	S3C	Central Greywacke	Waste	Core	30	9.8	35	75	0.1	<2	<2	<3	<0.3	<0.6	-	0.06	<0.00001	<0.000002	2.0	0.12	0.0064	0.019	0.000015	<0.000007	2.9	<0.000003
AMQ-ENV-12	IVR14-116	250	259	S3C	Central Greywacke	Waste	Core	35	9.7	34	71	0.16	<2	2.1	<3	<0.3	<0.6	-	<0.03	<0.00001	<0.000002	1.8	0.025	0.0042	0.019	0.000008	<0.000007	3.8	<0.000003
AMQ-ENV-13	IVR14-123	9	19	S3C	Central Greywacke	Waste	Core	27	9.1	36	117	0.22	3.0	8.9	<3	<0.3	<0.6	-	<0.03	<0.00001	0.000007	0.59	0.037	0.018	0.083	0.000009	0.000008	3.1	<0.000003
AMQ-ENV-14	IVR14-123	21	30	S3C	Central Greywacke	Waste	Core	19	9.4	24	46	0.12	<2	<2	<3	<0.3	<0.6	-	0.08	<0.00001	0.000005	2.6	0.075	0.023	0.14	0.00003	0.000019	0.25	<0.000003
AMQ-ENV-18	IVR14-114	18	27	S3C	Central Greywacke	Waste	Core	25	9.4	41	98	0.2	<2	<2	<3	<0.3	<0.6	-	1.0	<0.00001	0.000003	1.9	0.084	0.033	0.056	0.000031	0.000026	3.7	<0.000003
AMQ-ENV-19	IVR14-114	75	84	S3C	Central Greywacke	Waste	Core	24	9.6	39	83	0.09	<2	<2	<3	<0.3	<0.6	-	0.03	<0.00001	0.000002	1.8	0.066	0.023	0.061	0.000017	0.000023	2.6	<0.000003
AMQ-ENV-20	IVR14-114	190	199	S3C	Central Greywacke	Waste	Core	11	9.8	41	81	0.18	<2	<2	<3	<0.3	<0.6	-	0.03	<0.00001	<0.000002	2.3	0.06	0.018	0.057	0.000015	0.000017	1.9	<0.000003
AMQ-ENV-36	IVR14-121A	75	84	S3C	Central Greywacke	Waste	Core	14	8.4	39	137	0.09	<2	6.8	<3	<0.3	<0.6	-	<0.03	<0.00001	0.000006	0.31	0.057	0.0032	0.016	<0.000007	<0.000007	13	<0.000003
AMQ-ENV-37	IVR14-121A	95	104	S3C	Central Greywacke	Waste	Core	24	9.5	62	108	0.24	<2	<2	<3	<0.3	<0.6	-	<0.03	<0.00001	0.000008	1.1	0.12	0.0045	0.051	0.000012	<0.000007	4.2	<0.000003
AMQ-ENV-41	IVR14-118	86	96	S3C	Central Greywacke	Waste	Core	21	9.8	54	107	0.23	<2	<2	<3	<0.3	<0.6	-	0.09	<0.00001	0.000002	2.2	0.13	0.0092	0.072	0.000021	<0.000007	1.8	0.000008
AMQ-ENV-46	IVR14-130	149	155	S3C	Central Greywacke	Waste	Core	21	9.7	54	110	<0.06	<2	<2	<3	<0.3	<0.6	-	0.04	0.00001	0.000004	2.3	0.099	0.012	0.052	0.00003	0.000008	2.6	<0.000003
AMQ-ENV15-006	AMQ15-232	21	31	S3C	Central Greywacke	Waste	Core	21	9.6	38	99	0.11	2.0	<1	<3	<0.3	<0.6	0.3	<0.03	<0.00001	0.00003	0.035	0.012	0.039	0.014	<0.000007	0.000013	4.1	<0.000003
AMQ-ENV15-012	AMQ15-241	15	25	S3C	Central Greywacke	Waste	Core	44	9.4	42	113	0.21	3.0	5.0	<3	<0.3	<0.6	0.2	0.09	<0.00001	0.000008	0.14	0.047	0.011	0.03				

Appendix E.5
Shake Flask Extraction Results
Waste Rock, Ore, Tailing, Soil and Lake Sediment
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Portage Effluent Quality Criteria ^a											0.1									0.2	1	0.1								0.4		
Vault Effluent Quality Criteria ^b											0.1									0.2	1.5	0.1								0.2		
Sample ID	Borehole ID	Depth (m)		Lithology Code	Rock Name	Sample Type		Distance to Ore	Cobalt	Chromium	Copper	Iron	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Silicon	Tin	Strontium	Titanium	Thallium	Uranium	Vanadium	Zinc	
		From	To						mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
AMQ-ENV15-009	AMQ15-232	92	102	S3C	Central Greywacke	Waste	Core	0	0.000032	0.00004	0.00016	0.026	10	0.0015	2.3	0.004	0.0036	9.1	0.0003	< 0.003	< 0.00001	0.003	0.00025	3.6	0.00003	0.033	0.00029	< 0.000005	0.000079	0.00032	< 0.002	
AMQ-ENV15-025	IVR14-141	139	148	S3C	Central Greywacke	Waste	Core	0	0.000052	< 0.00003	0.00009	0.069	5.8	0.00074	0.77	0.00073	0.0008	14	< 0.0001	< 0.003	< 0.00001	0.0022	0.00018	4.4	< 0.00001	0.017	0.00027	< 0.000005	0.000057	0.001	< 0.002	
AMQ-ENV-28	IVR14-120	14	25	S3C	Central Greywacke	Waste	Core	18	0.0078	< 0.00003	0.00027	0.007	15	0.035	0.00084	2.3	1.2	0.00009	4.8	0.035	< 0.009	< 0.00001	0.0007	0.004	5.0	0.00002	0.018	0.00016	0.000047	0.000019	0.00007	< 0.001
AMQ-ENV-29	IVR14-120	33	42	S3C	Central Greywacke	Waste	Core	7	0.000047	< 0.00003	0.00022	0.005	31	0.0038	3.2	0.087	0.0054	1.8	0.0014	0.012	< 0.00001	0.0022	0.001	2.7	0.00003	0.048	0.0001	0.00001	0.00055	0.00007	< 0.001	
AMQ-ENV-34	IVR14-121A	22	31	S3C	Central Greywacke	Waste	Core	4	0.00003	0.00005	0.00041	0.009	27	0.004	2.0	0.01	0.0012	1.4	0.0003	< 0.009	0.00002	0.0034	< 0.001	2.1	0.00004	0.02	0.00021	0.000007	0.00044	0.00026	< 0.001	
AMQ-ENV-40	IVR14-118	14	23	S3C	Central Greywacke	Waste	Core	23	0.000034	< 0.00003	0.00023	0.059	15	0.0021	2.1	0.017	0.0004	0.81	0.0004	< 0.009	0.00004	0.0021	< 0.001	3.4	0.00003	0.017	0.00045	0.000007	0.00013	0.00019	< 0.001	
AMQ-ENV-109	IVR14-146	10	19	S3C	Central Greywacke	Waste	Core	5	0.00023	0.00099	0.00058	0.32	8.9	0.002	0.4	0.0082	0.0016	16	0.0009	0.053	0.00049	0.0028	< 0.001	3.8	0.00004	0.0057	0.00009	0.000009	0.00076	0.0083	< 0.001	
AMQ-ENV15-042	AMQ15-178	210	220	S3C	Central Greywacke	Waste	Core	17	0.000062	0.00021	0.00034	0.082	39	0.00068	0.24	0.0014	0.0014	5.0	0.0003	0.036	0.00006	0.0045	0.00038	3.6	< 0.00001	0.012	0.0091	< 0.000005	0.0014	0.012	< 0.002	
AMQ-ENV15-008	AMQ15-232	69	79	S3C	Central Greywacke	Waste	Core	21	0.000052	< 0.00003	0.00015	0.022	6.0	0.0013	1.3	0.0026	0.0024	9.1	0.0004	< 0.003	0.00002	0.0047	< 0.00004	1.7	< 0.00001	0.019	0.00021	< 0.000005	0.000046	0.00023	< 0.002	
AMQ-ENV15-091	IVR14-079	16	24	S3C	Central Greywacke	Waste	Core	16	0.000042	0.00012	0.00021	0.054	23	0.004	2.7	0.0084	0.0023	8.7	0.0003	< 0.003	0.00001	0.0021	0.00092	3.0	< 0.00001	0.027	0.00055	< 0.000005	0.00014	0.00016	< 0.002	
AMQ-ENV15-098	IVR14-089	92	102	S3C	Central Greywacke	Waste	Core	19	0.000084	0.00013	0.00053	0.19	7.6	0.0025	0.28	0.0045	0.00055	10	0.0002	0.029	0.00011	0.0024	< 0.00004	3.4	0.00005	0.0068	0.0061	< 0.000005	0.00086	0.0096	< 0.002	
AMQ-ENV15-097	IVR14-091	190	200	S3C	Central Greywacke	Waste	Core	23	0.000044	< 0.00003	0.0001	0.032	9.4	0.0019	0.2	0.00071	0.00039	9.3	0.0002	0.018	0.00006	0.0027	0.00009	3.9	< 0.00001	0.0069	0.0014	< 0.000005	0.00075	0.0082	< 0.002	
AMQ-ENV15-106	IVR14-099	95	104	S3C	Central Greywacke	Waste	Core	23	0.000037	0.00053	0.00058	0.041	6.3	0.0014	0.14	0.001	0.0011	18	< 0.0001	0.008	0.00007	0.002	< 0.00004	4.3	< 0.00001	0.0073	0.0017	< 0.000005	0.00097	0.0056	< 0.002	
AMQ-ENV15-064	IVR14-114	105	114	S3C	Central Greywacke	Waste	Core	40	0.000061	0.00014	0.00032	0.07	7.2	0.003	0.41	0.0011	0.001	14	0.0002	0.026	0.00004	0.0026	0.00025	3.3	0.00003	0.0081	0.0028	< 0.000005	0.00069	0.0084	< 0.002	
AMQ-ENV15-048	IVR14-141	119	129	S3C	Central Greywacke	Waste	Core	11	0.000028	0.00003	0.00021	0.028	9.5	0.00072	0.25	0.00035	0.0005	8.8	< 0.0001	< 0.003	< 0.00001	0.0027	< 0.00004	2.1	0.00003	0.009	0.00029	< 0.000005	0.00021	0.0013	< 0.002	
AMQ-ENV15-073	IVR14-153	45	55	S3C	Central Greywacke	Waste	Core	3	0.00009	0.00011	0.00015	0.21	7.1	0.0026	0.32	0.0041	0.00036	9.7	0.0003	0.016	0.00018	0.0032	< 0.00004	3.9	< 0.00001	0.007	0.0059	< 0.000005	0.001	0.0047	< 0.002	
AMQ-ENV15-075	IVR14-153	90	100	S3C	Central Greywacke	Waste	Core	12	0.000058	0.00012	0.00009	0.068	7.0	0.0035	0.41	0.0014	0.00066	12	0.0002	0.017	0.00003	0.0027	0.00012	3.0	< 0.00001	0.0073	0.002	< 0.000005	0.00032	0.0032	< 0.002	
AMQ-ENV15-074	IVR14-153	150	160	S3C	Central Greywacke	Waste	Core	3	0.000057	0.00015	0.0002	0.076	7.1	0.0008	0.18	0.0012	0.00031	12	0.0001	0.026	0.00006	0.0028	< 0.00004	4.0	0.00002	0.006	0.0034	< 0.000005	0.00095	0.011	< 0.002	
AMQ-ENV-03	IVR14-130	62	71	S3C	Central Greywacke	Waste	Core	50	0.000055	0.00007	0.00016	0.028	11	0.0043	1.3	0.022	0.0014	4.3	0.0004	0.035	0.00002	0.0011	< 0.001	2.2	0.00004	0.023	0.0018	0.000014	0.00038	0.00069	< 0.001	
AMQ-ENV-11	IVR14-116	175	184	S3C	Central Greywacke	Waste	Core	30	0.00011	0.00032	0.0002	0.16	13	0.0028	0.23	0.0032	0.00061	4.0	0.0005	0.062	0.00018	0.0032	< 0.001	4.2	0.00004	0.0063	0.01	0.000007	0.0011	0.011	< 0.001	
AMQ-ENV-12	IVR14-116	250	259	S3C	Central Greywacke	Waste	Core	35	0.000086	0.00025	0.0002	0.092	8.6	0.00053	0.26	0.0021	0.00046	4.9	0.0004	0.039	0.00031	0.0031	< 0.001	4.1	0.00004	0.015	0.006	0.000007	0.00096	0.0097	< 0.001	
AMQ-ENV-13	IVR14-123	9	19	S3C	Central Greywacke	Waste	Core	27	0.00006	0.00068	0.00032	0.19	13	0.0032	0.8	0.0023	0.0022	9.7	0.0005	0.024	0.00009	0.0028	0.001	2.8	0.00006	0.0089	0.0059	0.000006	0.00026	0.0038	< 0.001	
AMQ-ENV-14	IVR14-123	21	30	S3C	Central Greywacke	Waste	Core	19	0.00031	0.0013	0.00048	0.81	2.6	0.0022	0.26	0.011	0.0012	9.5	0.0015	0.097	0.00061	0.0023	< 0.001	5.4	0.00006	0.0024	0.022	0.000011	0.00017	0.01	0.002	
AMQ-ENV-18	IVR14-114	18	27	S3C	Central Greywacke	Waste	Core	25	0.00019	0.0012	0.00037	0.35	11	0.0023	0.43	0.0066	0.00088	9.7	0.0008	0.038	0.00036	0.0027	< 0.001	4.8	0.00007	0.0098	0.021	0.000012	0.0019	0.0091	0.002	
AMQ-ENV-19	IVR14-114	75	84	S3C	Central Greywacke	Waste	Core	24	0.0001	0.001	0.00031	0.23	9.1	0.0027	0.32	0.0037	0.0008	9.5	0.0003	0.042	0.0002	0.003	< 0.001	4.7	0.00005	0.006	0.013	0.000008	0.001	0.011	< 0.001	
AMQ-ENV-20	IVR14-114	190	199	S3C	Central Greywacke	Waste	Core	11	0.00021	0.0012	0.0004	0.35	8.2	0.0017	0.26	0.0065	0.00032	11	0.0007	0.056	0.00036	0.0026	< 0.001	6.0	0.00005	0.006	0.018	0.000006	0.00069	0.013	< 0.001	
AMQ-ENV-36	IVR14-121A	75	84	S3C	Central Greywacke	Waste	Core	14	0.00002	< 0.00003	0.00058	0.024	12	0.0038	1.4	0.012	0.0015	2.3	0.0002	0.011	0.00004	0.003	< 0.001	2.9	0.0							

Appendix E.5
Shake Flask Extraction Results
Waste Rock, Ore, Tailing, Soil and Lake Sediment
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Portage Effluent Quality Criteria ^a									6-9					1000				20		1.5	0.0004		1	0.3					0.002	
Vault Effluent Quality Criteria ^b									6-9					500				50		1	0.0004		1	0.1					0.002	
Sample ID	Borehole ID	Depth (m)		Lithology Code	Rock Name	Sample Type		Distance to Ore	Final pH	Alkalinity	Conductivity	Fluoride	Chloride	Sulphate	Bromide	Nitrite (as N)	Nitrate (as N)	Chromium	Phosphorus (total reactive)	Mercury	Silver	Aluminum	Arsenic	Barium	Boron	Beryllium	Bismuth	Calcium	Cadmium	
		From	To							mg/L as CaCO3	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	as N mg/L	as N mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
AMQ-ENV-112	IVR14-131	10	19	S3s	South Greywacke	Waste	Core	296	9.6	56	124	0.32	< 2	4.0	< 3	< 0.3	< 0.6	-	0.06	0.00001	0.000046	0.42	0.038	0.0053	0.065	0.000011	< 0.000007	2.5	< 0.000003	
AMQ-ENV-115	IVR14-144	70	79	S3s	South Greywacke	Waste	Core	101	9.5	47	110	0.21	< 2	3.0	< 3	< 0.3	< 0.6	-	< 0.03	< 0.00001	0.00001	0.86	0.058	0.0037	0.055	0.00001	0.000025	4.2	< 0.000003	
AMQ-ENV-116	IVR14-144	186	195	S3s	South Greywacke	Waste	Core	47	10	60	143	0.28	< 2	2.2	< 3	< 0.3	< 0.6	-	< 0.03	< 0.00001	0.000013	0.19	0.018	0.0028	0.05	< 0.000007	< 0.000007	1.9	< 0.000003	
AMQ-ENV-117	IVR14-151	15	24	S3s	South Greywacke	Waste	Core	111	9.7	58	134	0.26	< 2	3.3	< 3	< 0.3	< 0.6	-	0.04	< 0.00001	0.000005	0.51	0.045	0.0037	0.05	< 0.000007	< 0.000007	3.4	< 0.000003	
AMQ-ENV-120	IVR14-149	50	59	S3s	South Greywacke	Waste	Core	74	9.9	63	147	0.36	< 2	< 2	< 3	< 0.3	< 0.6	-	0.07	< 0.00001	0.000002	0.34	0.043	0.0062	0.066	0.000009	0.00002	2.3	< 0.000003	
AMQ-ENV15-023	AMQ15-161	28	38	S3s	South Greywacke	Waste	Core	56	10.0	37	91	0.14	1.0	1.0	< 3	< 0.3	< 0.6	0.6	< 0.03	0.00002	< 0.000002	0.31	0.012	0.0075	0.0072	< 0.000007	< 0.000007	3.3	< 0.000003	
AMQ-ENV15-022	AMQ15-161	60	70	S3s	South Greywacke	Waste	Core	36	10	54	107	0.2	1.0	< 1	< 3	< 0.3	< 0.6	0.7	< 0.03	< 0.00001	< 0.000002	0.11	0.01	0.046	0.0078	< 0.000007	< 0.000007	3.7	< 0.000003	
AMQ-ENV15-032	AMQ15-180	25	35	S3s	South Greywacke	Waste	Core	33	9.9	56	98	0.15	2.0	< 1	< 3	< 0.3	< 0.6	0.6	0.03	< 0.00001	< 0.000002	0.26	0.022	0.0092	0.0086	< 0.000007	< 0.000007	3.4	< 0.000003	
AMQ-ENV15-003	AMQ15-187	32	42	S3s	South Greywacke	Waste	Core	56	10.0	36	85	0.17	1.0	< 1	< 3	< 0.3	< 0.6	0.4	< 0.03	< 0.00001	< 0.000002	0.14	0.019	0.012	0.0077	< 0.000007	< 0.000007	4.2	< 0.000003	
AMQ-ENV15-001	AMQ15-187	95	105	S3s	South Greywacke	Waste	Core	18	9.7	34	99	0.16	4.0	2.0	< 3	< 0.3	< 0.6	0.4	< 0.03	< 0.00001	0.000003	0.27	0.07	0.029	0.026	< 0.000007	< 0.000007	4.5	< 0.000003	
AMQ-ENV15-047	AMQ15-188	29	39	S3s	South Greywacke	Waste	Core	12	9.8	45	107	0.11	< 1	< 1	< 3	< 0.3	< 0.6	0.4	< 0.03	< 0.00001	< 0.000002	0.042	0.033	0.029	0.011	< 0.000007	< 0.000007	2.9	< 0.000003	
AMQ-ENV15-013	AMQ15-241	76	86	S3s	South Greywacke	Waste	Core	13	10	76	171	0.24	1.0	< 1	< 3	< 0.3	< 0.6	1.2	< 0.03	< 0.00001	< 0.000002	0.11	0.035	0.016	0.15	< 0.000007	< 0.000007	1.4	< 0.000003	
AMQ-ENV15-101	IVR14-087	20	30	S3s	South Greywacke	Waste	Core	117	9.4	35	108	0.18	5.0	6.0	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.000002	0.62	0.0043	0.014	0.009	< 0.000007	< 0.000007	5.2	< 0.000003	
AMQ-ENV15-102	IVR14-087	50	60	S3s	South Greywacke	Waste	Core	88	9.8	87	107	0.13	2.0	1.0	< 3	< 0.3	< 0.6	0.2	0.04	< 0.00001	0.000002	0.64	0.025	0.0094	0.02	< 0.000007	< 0.000007	2.6	< 0.000003	
AMQ-ENV15-103	IVR14-087	75	85	S3s	South Greywacke	Waste	Core	59	9.9	44	100	0.23	< 1	< 1	< 3	< 0.3	< 0.6	0.4	0.04	< 0.00001	< 0.000002	0.11	0.012	0.016	0.018	< 0.000007	< 0.000007	3.8	0.000004	
AMQ-ENV15-093	IVR14-091	20	30	S3s	South Greywacke	Waste	Core	59	9.4	43	112	0.09	5.0	3.0	< 3	< 0.3	< 0.6	< 0.2	0.05	< 0.00001	< 0.000002	0.26	0.45	0.009	0.0097	< 0.000007	< 0.000007	8.3	< 0.000003	
AMQ-ENV15-110	IVR14-099	15	25	S3s	South Greywacke	Waste	Core	58	9.6	60	106	0.11	2.0	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.000002	0.62	0.023	0.0073	0.026	< 0.000007	< 0.000007	4.5	< 0.000003	
AMQ-ENV15-049	IVR14-141	13	22	S3s	South Greywacke	Waste	Core	82	10.0	46	101	0.16	1.0	< 1	< 3	< 0.3	< 0.6	0.4	< 0.03	< 0.00001	< 0.000002	0.077	0.0045	0.012	0.022	< 0.000007	< 0.000007	4.4	< 0.000003	
AMQ-ENV-50	IVR14-103	125	132	S3s	South Greywacke	Waste	Reject	55	9.6	60	140	0.32	< 2	3.6	< 3	< 0.3	< 0.6	0.7	< 0.03	< 0.00001	< 0.000002	0.26	0.035	0.0033	0.053	< 0.000007	< 0.000007	2.5	< 0.000003	
AMQ-ENV-60	IVR14-101	119	128	S3s	South Greywacke	Waste	Reject	81	9.7	50	121	0.41	< 2	3.5	< 3	< 0.3	< 0.6	0.9	< 0.03	< 0.00001	0.000006	0.11	0.07	0.0026	0.07	< 0.000007	0.000018	3.4	< 0.000003	
AMQ-ENV-66	IVR14-110	92	100	S3s	South Greywacke	Waste	Reject	247	9.7	54	198	0.35	21	8.3	< 3	< 0.3	< 0.6	0.8	0.04	< 0.00001	0.000002	0.16	0.094	0.0047	0.093	< 0.000007	< 0.000007	2.8	< 0.000003	
AMQ-ENV-67	IVR14-110	197	207	S3s	South Greywacke	Waste	Reject	49	9.9	66	152	0.33	< 2	< 2	< 3	< 0.3	< 0.6	4.4	< 0.03	< 0.00001	0.000003	0.14	0.011	0.0044	0.11	< 0.000007	0.000007	1.8	< 0.000003	
AMQ-ENV-71	IVR14-046	114	126	S3s	South Greywacke	Waste	Reject	124	9.5	45	247	0.31	31	27	< 3	< 0.3	< 0.6	0.6	< 0.03	< 0.00001	< 0.000002	0.13	0.15	0.0048	0.057	< 0.000007	< 0.000007	5.4	< 0.000003	
South Greywacke - S3S									Minimum	9.4	34	85	0.09	< 1	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.000002	0.042	0.0043	0.0026	0.0072	< 0.000007	< 0.000007	1.4	< 0.000003
									Maximum	10	87	247	0.41	31	27	< 3	< 0.3	< 0.6	4.4	0.07	0.00002	0.000046	0.86	0.45	0.046	0.15	0.000011	0.000025	8.3	0.000004
									Median	9.8	54	110	0.21	2.0	2.0	nc	nc	nc	0.5	0.03	0.00001	0.000002	0.26	0.033	0.0075	0.026	0.000007	0.000007	3.4	0.000003
									Average	9.7	53	126	0.23	4.1	3.5	nc	nc	nc	0.74	0.036	0.00001	0.0000051	0.29	0.055	0.011	0.043	0.0000074	0.0000088	3.6	0.000003
									Std. Deviation	nc	13	38	0.093	7.2	5.4	nc	nc	nc	0.89	0.011	0.0000021	0.0000093	0.22	0.091	0.011	0.037	0.0000011	0.0000049	1.5	0.00000021
									75th Percentile	nc	60	142	0.32	2.0	3.4	nc	nc	nc	0.7	0.04	0.00001	0.000003	0.38	0.052	0.013	0.061	0.000007	0.000007	4.3	0.000003
AMQ-ENV15-019	AMQ15-167	47	57	S10	Chert	Waste	Core	0	8.5	63	270	0.21	34	24	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.000021	0.027	0.02	0.025	0.06	< 0.000007	< 0.000007	15	< 0.000003	
AMQ-ENV15-133	AMQ15-433-01	20	30	S10	Chert	Waste	Core	-	8.3	75	295	0.23	42	22	< 3	< 0.3	< 0.6	0.3	< 0.03	< 0.00001	0.000013	0.012	0.056	0.021	0.94	0.00071	0.091	17	0.0032	
AMQ-ENV15-141	AMQ15-481-02	225	235	S10	Chert	Waste	Core	-	9.8	66	155	0.26	8.0	< 1	< 3	< 0.3	< 0.6	0.3	< 0.03	< 0.00001	0.000076	0.33	0.18	0.0024	0.12	0.00004	0.000044	1.8	0.00029	
AMQ-ENV15-046	AMQ15-188	65	75	S10	Chert	Waste	Core	22	8.6	60	218	0.17	30	9.0	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.000009	0.05	0.0016	0.019	0.049	< 0.000007	< 0.000007	14	< 0.000003	
AMQ-ENV15-037	AMQ15-193	15	25	S10	Chert	Waste	Core	9	5.2	9.0	192	0.1	6.0	58	< 3	< 0.3	< 0.6	< 0.2	0.05	< 0.00001										

Appendix E.5
Shake Flask Extraction Results
Waste Rock, Ore, Tailing, Soil and Lake Sediment
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Portage Effluent Quality Criteria ^a										0.1									0.2	1	0.1								0.4			
Vault Effluent Quality Criteria ^b										0.1									0.2	1.5	0.1								0.2			
Sample ID	Borehole ID	Depth (m)		Lithology Code	Rock Name	Sample Type		Distance to Ore	Cobalt	Chromium	Copper	Iron	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Silicon	Tin	Strontium	Titanium	Thallium	Uranium	Vanadium	Zinc	
		From	To						mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
AMQ-ENV-112	IVR14-131	10	19	S3s	South Greywacke	Waste	Core	296	0.00012	0.003	0.0029	0.21	12	0.0019	0.46	0.0035	0.0061	16	0.0007	0.069	0.00024	0.002	0.001	5.4	0.042	0.0078	0.0082	0.000005	0.00078	0.017	< 0.001	
AMQ-ENV-115	IVR14-144	70	79	S3s	South Greywacke	Waste	Core	101	0.00012	0.0011	0.00034	0.21	7.2	0.0011	0.46	0.0023	0.0019	14	0.0007	0.026	0.00058	0.004	< 0.001	3.9	0.00026	0.012	0.0078	< 0.000005	0.00058	0.0085	< 0.001	
AMQ-ENV-116	IVR14-144	186	195	S3s	South Greywacke	Waste	Core	47	0.00003	0.0017	0.00023	0.048	16	0.00022	0.14	0.00074	0.00044	16	0.0002	0.018	0.00002	0.0025	< 0.001	8.4	0.00006	0.029	0.0025	< 0.000005	0.000015	0.025	< 0.001	
AMQ-ENV-117	IVR14-151	15	24	S3s	South Greywacke	Waste	Core	111	0.000059	0.0014	0.00036	0.065	10	0.002	0.29	0.001	0.0024	17	0.0007	0.026	0.00009	0.0025	< 0.001	4.6	0.00009	0.0097	0.0038	0.000006	0.00085	0.012	< 0.001	
AMQ-ENV-120	IVR14-149	50	59	S3s	South Greywacke	Waste	Core	74	0.00022	0.0063	0.00042	0.38	20	0.00079	0.48	0.0054	0.00075	14	0.0014	0.079	0.00012	0.005	< 0.001	9.7	0.00007	0.011	0.015	0.000006	0.000085	0.034	< 0.001	
AMQ-ENV15-023	AMQ15-161	28	38	S3s	South Greywacke	Waste	Core	56	0.000091	0.0019	0.00027	0.12	17	0.00066	0.36	0.0017	0.00071	3.9	0.0004	0.051	0.00007	0.0019	0.00072	10	< 0.00001	0.02	0.0042	< 0.000005	0.000028	0.027	< 0.002	
AMQ-ENV15-022	AMQ15-161	60	70	S3s	South Greywacke	Waste	Core	36	0.000065	0.0014	0.0004	0.05	22	0.00016	0.33	0.00078	0.00048	3.4	0.0004	0.023	0.00004	0.0046	0.00013	14	< 0.00001	0.057	0.0025	< 0.000005	0.000023	0.019	< 0.002	
AMQ-ENV15-032	AMQ15-180	25	35	S3s	South Greywacke	Waste	Core	33	0.000076	0.0015	0.00027	0.075	18	0.00026	0.34	0.0013	0.00069	4.0	0.0004	0.03	0.00002	0.0037	0.00023	9.5	< 0.00001	0.025	0.0034	< 0.000005	0.00015	0.026	< 0.002	
AMQ-ENV15-003	AMQ15-187	32	42	S3s	South Greywacke	Waste	Core	56	0.000044	0.00067	0.0003	0.026	15	0.000085	0.37	0.00046	0.00066	2.9	0.0002	0.013	0.00006	0.002	0.00016	10	< 0.00001	0.03	0.00082	< 0.000005	0.000038	0.02	< 0.002	
AMQ-ENV15-001	AMQ15-187	95	105	S3s	South Greywacke	Waste	Core	18	0.000084	0.0013	0.00036	0.087	16	0.00081	0.62	0.0012	0.0019	3.9	0.0006	0.026	0.00003	0.0031	0.00062	6.5	< 0.00001	0.05	0.0028	< 0.000005	0.0001	0.016	< 0.002	
AMQ-ENV15-047	AMQ15-188	29	39	S3s	South Greywacke	Waste	Core	12	0.000064	0.0013	0.0009	0.05	26	0.00054	0.75	0.00075	0.00048	0.97	0.0007	0.007	0.00008	0.0059	0.00022	8.5	< 0.00001	0.027	0.0023	0.000006	0.00001	0.013	< 0.002	
AMQ-ENV15-013	AMQ15-241	76	86	S3s	South Greywacke	Waste	Core	13	0.000099	0.003	0.00059	0.092	23	0.0006	0.24	0.0013	0.00051	20	0.0008	0.016	0.00006	0.0037	0.00033	16	0.00001	0.022	0.0049	< 0.000005	0.00003	0.021	< 0.002	
AMQ-ENV15-101	IVR14-087	20	30	S3s	South Greywacke	Waste	Core	117	0.000024	< 0.00003	0.00018	0.007	15	0.00016	0.51	0.001	0.0027	3.9	< 0.0001	< 0.003	0.00003	0.0014	< 0.00004	1.9	< 0.00001	0.048	0.00013	< 0.000005	0.000016	0.0032	< 0.002	
AMQ-ENV15-102	IVR14-087	50	60	S3s	South Greywacke	Waste	Core	88	0.000085	0.00098	0.00018	0.13	8.2	0.00035	0.2	0.0017	0.0011	14	0.0003	0.037	0.00005	0.0023	0.00025	5.7	< 0.00001	0.02	0.0067	< 0.000005	0.000092	0.016	< 0.002	
AMQ-ENV15-103	IVR14-087	75	85	S3s	South Greywacke	Waste	Core	59	0.00014	0.0022	0.0004	0.15	14	0.00024	0.43	0.0024	0.0013	7.8	0.001	0.019	0.00009	0.0017	0.00031	11	0.00001	0.021	0.0059	< 0.000005	0.000008	0.027	< 0.002	
AMQ-ENV15-093	IVR14-091	20	30	S3s	South Greywacke	Waste	Core	59	0.00007	< 0.00003	0.0001	0.011	8.7	0.00062	2.5	0.00042	0.0039	3.8	0.0008	< 0.003	0.00002	0.0014	0.00014	3.8	< 0.00001	0.043	0.00014	< 0.000005	0.000073	0.0058	< 0.002	
AMQ-ENV15-110	IVR14-099	15	25	S3s	South Greywacke	Waste	Core	58	0.000041	0.00009	0.00011	0.043	5.6	0.00076	0.36	0.00049	0.0011	9.2	0.0001	< 0.003	0.00003	0.0017	0.00009	3.7	< 0.00001	0.019	0.0015	< 0.000005	0.00044	0.0079	< 0.002	
AMQ-ENV15-049	IVR14-141	13	22	S3s	South Greywacke	Waste	Core	82	0.000091	0.0011	0.00012	0.068	10	0.00018	0.42	0.0013	0.00062	8.3	0.0003	0.01	0.00002	0.0023	0.00017	11	< 0.00001	0.024	0.0019	< 0.000005	0.000024	0.018	< 0.002	
AMQ-ENV-50	IVR14-103	125	132	S3s	South Greywacke	Waste	Reject	55	0.000009	0.00086	0.0005	0.02	23	0.00041	0.45	0.00026	0.0026	13	0.0002	0.012	0.00001	0.011	< 0.001	2.5	0.00004	0.025	0.00081	< 0.000005	0.000021	0.012	< 0.001	
AMQ-ENV-60	IVR14-101	119	128	S3s	South Greywacke	Waste	Reject	81	0.000029	0.0013	0.00023	0.023	16	0.0008	0.44	0.00034	0.0035	13	0.0003	0.015	0.00007	0.0037	< 0.001	3.9	0.00003	0.01	0.00093	< 0.000005	0.000057	0.027	< 0.001	
AMQ-ENV-66	IVR14-110	92	100	S3s	South Greywacke	Waste	Reject	247	0.00018	0.0051	0.00065	0.2	24	0.0011	1.1	0.0027	0.0014	24	0.0012	0.03	0.00017	0.0033	< 0.001	6.7	0.00011	0.012	0.00091	< 0.000005	0.000063	0.02	< 0.001	
AMQ-ENV-67	IVR14-110	197	207	S3s	South Greywacke	Waste	Reject	49	0.000082	0.0072	0.0003	0.12	28	0.00038	0.39	0.0013	0.00067	14	0.0007	0.019	0.00009	0.0063	< 0.001	6.2	0.00006	0.016	0.006	< 0.000005	0.000025	0.023	< 0.001	
AMQ-ENV-71	IVR14-046	114	126	S3s	South Greywacke	Waste	Reject	124	0.00004	0.00087	0.00084	0.028	24	0.0016	1.3	0.00045	0.002	29	0.0002	0.01	0.00024	0.0031	< 0.001	3.4	0.00012	0.03	0.0017	< 0.000005	0.00016	0.012	< 0.001	
South Greywacke - S3S									Minimum	0.000009	< 0.00003	0.0001	0.007	5.6	0.000085	0.14	0.00026	0.00044	0.97	< 0.0001	< 0.003	0.00001	0.0014	< 0.00004	1.9	< 0.00001	0.0078	0.00013	< 0.000005	0.000008	0.0032	< 0.001
									Maximum	0.00022	0.0072	0.0029	0.38	28	0.002	2.5	0.0054	0.0061	29	0.0014	0.079	0.00058	0.011	0.001	16	0.042	0.057	0.015	0.000006	0.00085	0.034	< 0.002
									Median	0.000076	0.0013	0.00034	0.068	16	0.0006	0.43	0.0012	0.0011	13	0.0004	0.019	0.00006	0.0031	0.00062	6.5	0.00001	0.022	0.0028	0.000005	0.000063	0.018	nc
									Average	0.000081	0.0019	0.00047	0.096	17	0.00068	0.56	0.0014	0.0016	11	0.00054	0.024	0.000097	0.0034	0.00058	7.2	0.0018	0.025	0.004	0.0000051	0.00017	0.018	nc
									Std. Deviation	0.00005	0.0019	0.00056	0.088	6.3	0.00054	0.49	0.0012	0.0014	7.4	0.00035	0.02	0.00012	0.0022	0.0004	3.7	0.00086	0.014	0.0035	0.00000034	0.00025	0.0078	nc
									75th Percentile	0.000095	0.002	0.00046	0.13	23	0.00081	0.5	0.0017	0.0022	15	0.0007	0.028	0.00009	0.0039	0.001	9.9	0.000065	0.029	0.0059	0.000005	0.00015	0.024	nc
AMQ-ENV15-019	AMQ15-167	47	57	S10	Chert	Waste	Core	0	0.000059	0.00007	0.0016	0.068	30	0.0036	4.0	0.0056	0.0															

Shake Flask Extraction Results
Waste Rock, Ore, Tailing, Soil and Lake Sediment
Whale Tail Deposit

Portage Effluent Quality Criteria ^a									6-9				1000				20		1.5	0.0004		1	0.3					0.002		
Vault Effluent Quality Criteria ^b									6-9				500				50		1	0.0004		1	0.1					0.002		
Sample ID	Borehole ID	Depth (m)		Lithology Code	Rock Name	Sample Type		Distance to Ore	Final pH	Alkalinity	Conductivity	Fluoride	Chloride	Sulphate	Bromide	Nitrite (as N)	Nitrate (as N)	Chromium	Phosphorus (total reactive)	Mercury	Silver	Aluminum	Arsenic	Barium	Boron	Beryllium	Bismuth	Calcium	Cadmium	
		From	To						mg/L as CaCO3	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
AMQ-ENV15-035	AMQ15-211	36	46	S9E	Iron Formation	Waste	Core	0	9.6	24	78	< 0.06	8.0	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.000059	0.24	0.36	0.002	0.0071	< 0.000007	0.000019	7.5	< 0.000003	
AMQ-ENV15-099	IVR14-089	161	171	S9E	Iron Formation	Waste	Core	0	9.2	61	100	< 0.06	3.0	1.0	< 3	< 0.3	< 0.6	0.4	0.08	< 0.00001	0.000004	0.016	0.9	0.014	0.016	< 0.000007	< 0.000007	8.0	< 0.000003	
AMQ-ENV15-17	IVR14-123	168	177	S9E	Iron Formation	Waste	Core	23	9.8	34	77	0.08	< 2	< 2	< 3	< 0.3	< 0.6	-	< 0.03	< 0.00001	< 0.000002	< 0.01	0.18	0.0054	0.032	< 0.000007	< 0.000007	4.0	< 0.000003	
AMQ-ENV-42	IVR14-118	201	213	S9E	Iron Formation	Waste	Core	16	9.7	52	100	0.27	< 2	< 2	< 3	< 0.3	< 0.6	-	< 0.03	< 0.00001	0.000002	1.8	0.059	0.0058	0.059	0.000016	< 0.000007	2.9	0.000015	
AMQ-ENV-43	IVR14-118	264	276	S9E	Iron Formation	Waste	Core	37	9.1	66	152	0.08	< 2	3.3	< 3	< 0.3	< 0.6	-	1.1	< 0.00001	< 0.000002	0.01	4.0	0.014	0.056	< 0.000007	< 0.000007	8.6	< 0.000003	
AMQ-ENV-125	IVR14-152	175	184	S9E	Iron Formation	Waste	Core	12	9.7	75	196	0.31	< 2	4.6	< 3	< 0.3	< 0.6	-	1.1	< 0.00001	0.000006	0.04	3.3	0.0054	0.12	< 0.000007	< 0.000007	3.0	< 0.000003	
AMQ-ENV15-027	AMQ15-164	45	55	S9E	Iron Formation	Waste	Core	3	9.4	28	94	0.1	9.0	< 1	< 3	< 0.3	< 0.6	0.2	0.25	< 0.00001	0.000001	0.33	1.4	0.0033	0.0066	< 0.000007	< 0.000007	7.1	< 0.000003	
AMQ-ENV15-034	AMQ15-180	110	119	S9E	Iron Formation	Waste	Core	4	9.4	25	83	< 0.06	9.0	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.000002	0.43	0.45	0.0019	0.0064	< 0.000007	< 0.000007	7.4	< 0.000003	
AMQ-ENV15-045	AMQ15-188	115	125	S9E	Iron Formation	Waste	Core	4	9.5	33	85	< 0.06	2.0	< 1	< 3	< 0.3	< 0.6	0.4	0.24	< 0.00001	0.000003	0.14	1.4	0.0057	0.011	< 0.000007	< 0.000007	5.3	< 0.000003	
AMQ-ENV15-038	AMQ15-193	43	53	S9E	Iron Formation	Waste	Core	11	9.2	39	115	< 0.06	6.0	1.0	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.000004	0.17	0.59	0.006	0.007	< 0.000007	< 0.000007	6.6	< 0.000003	
AMQ-ENV15-039	AMQ15-193	85	95	S9E	Iron Formation	Waste	Core	12	9.9	35	82	0.07	< 1	< 1	< 3	< 0.3	< 0.6	0.9	0.06	< 0.00001	0.000023	0.015	0.47	0.0087	0.015	< 0.000007	< 0.000007	4.9	< 0.000003	
AMQ-ENV15-086	IVR14-016	130	140	S9E	Iron Formation	Waste	Core	6	9.8	44	129	< 0.06	5.0	2.0	< 3	< 0.3	< 0.6	4.0	1.8	< 0.00001	0.000002	0.04	4.9	0.01	0.016	< 0.000007	< 0.000007	4.9	< 0.000003	
AMQ-ENV15-021	AMQ15-161	138	148	S9E	Iron Formation	Waste	Core	7	9.8	32	79	< 0.06	2.0	< 1	< 3	< 0.3	< 0.6	0.4	< 0.03	< 0.00001	< 0.000002	0.041	0.3	0.022	0.012	< 0.000007	< 0.000007	5.0	< 0.000003	
AMQ-ENV15-040	AMQ15-178	40	50	S9E	Iron Formation	Waste	Core	35	9.7	31	69	< 0.06	1.0	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.000002	0.021	0.016	0.023	0.0077	< 0.000007	< 0.000007	5.3	< 0.000003	
AMQ-ENV15-041	AMQ15-178	90	100	S9E	Iron Formation	Waste	Core	36	9.6	27	61	< 0.06	< 1	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.000002	0.026	0.0092	0.011	0.011	< 0.000007	< 0.000007	3.6	< 0.000003	
AMQ-ENV15-010	AMQ15-232	116	124	S9E	Iron Formation	Waste	Core	5	9.5	38	112	< 0.06	12	2.0	< 3	< 0.3	< 0.6	0.3	0.2	< 0.00001	0.000022	0.26	1.6	0.0078	0.0081	< 0.000007	0.00002	6.3	< 0.000003	
AMQ-ENV-47	IVR14-016	130	140	S9E	Iron Formation	Waste	Reject	6	9.3	53	168	0.1	< 2	12	< 3	< 0.3	< 0.6	13	3.5	< 0.00001	0.000002	0.041	7.1	0.0082	0.025	< 0.000007	< 0.000007	5.5	< 0.000003	
AMQ-ENV-56	IVR14-055	95	105	S9E	Iron Formation	Waste	Reject	8	9.8	44	307	0.16	33	30	< 3	< 0.3	< 0.6	1.3	3.3	< 0.00001	0.000008	0.036	7.4	0.0058	0.054	< 0.000007	< 0.000007	14	< 0.000003	
AMQ-ENV-57	IVR14-056	21	31	S9E	Iron Formation	Waste	Reject	9	8.6	26	370	0.08	3.3	110	< 3	< 0.3	< 0.6	0.3	1.5	< 0.00001	0.000021	0.09	4.6	0.011	0.018	< 0.000007	< 0.000007	30	< 0.000003	
AMQ-ENV-59	IVR14-056	80	90	S9E	Iron Formation	Waste	Reject	34	9.6	65	145	0.23	< 2	2.1	< 3	< 0.3	< 0.6	1.0	0.12	< 0.00001	0.000003	0.015	0.62	0.0031	0.074	< 0.000007	< 0.000007	3.3	< 0.000003	
AMQ-ENV-72	IVR14-097	99	111	S9E	Iron Formation	Waste	Reject	21	9.4	62	161	0.13	2.9	3.5	< 3	< 0.3	< 0.6	1.6	1.1	< 0.00001	0.000002	0.054	3.4	0.042	0.023	< 0.000007	< 0.000007	5.2	< 0.000003	
AMQ-ENV-64	IVR14-092	216	227	S9E	Iron Formation	Waste	Reject	17	9.8	67	173	0.3	< 2	5.0	< 3	< 0.3	< 0.6	8.4	1.7	< 0.00001	0.000002	0.061	4.5	0.0066	0.12	< 0.000007	0.000009	3.0	< 0.000003	
Iron Formation - S9E							Minimum	8.6	24	61	< 0.06	< 1	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.000002	< 0.01	0.0092	0.0019	0.0064	< 0.000007	< 0.000007	2.9	< 0.000003		
							Maximum	9.9	75	370	0.31	33	110	< 3	< 0.3	< 0.6	13	3.5	< 0.00001	0.000059	1.8	7.4	0.042	0.12	0.000016	0.00002	30	0.000015		
							Median	9.5	39	106	0.075	2.0	2.0	nc	nc	nc	nc	0.4	0.16	nc	0.0000025	0.041	1.1	0.0072	0.016	0.000007	0.000007	5.3	0.000003	
							Average	9.3	44	133	0.11	5.1	8.6	nc	nc	nc	nc	1.8	0.74	nc	0.0000084	0.18	2.2	0.01	0.032	0.0000074	0.0000082	6.9	0.0000035	
							Std. Deviation	nc	16	77	0.084	7.0	24	nc	nc	nc	nc	nc	3.2	1.1	nc	0.0000019	0.38	2.3	0.009	0.034	0.0000019	0.0000037	5.8	0.0000026
							75th Percentile	nc	59	159	0.12	5.8	3.5	nc	nc	nc	nc	1.2	1.1	nc	0.0000075	0.16	3.8	0.011	0.049	0.000007	0.000007	7.3	0.000003	
AMQ-ENV-114	IVR14-144	16	25	8b	Intermediate Intrusive	Waste	Core	381	9.7	51	120	0.27	< 2	3.1	< 3	< 0.3	< 0.6	-	0.09	< 0.00001	0.000003	1.4	0.029	0.0076	0.058	0.000017	< 0.000007	1.9	< 0.000003	
AMQ-ENV15-002	AMQ15-187	18	25	8b	Intermediate Intrusive	Waste	Core	66	9.3	38	128	0.19	8.0	8.0	< 3	< 0.3	< 0.6	< 0.2	0.03	< 0.00001	< 0.000002	0.42	0.024	0.012	0.027	< 0.000007	< 0.000007	6.3	< 0.000003	
AMQ-ENV15-100	IVR14-087	9	18	8b	Intermediate Intrusive	Waste	Core	128	9.5	45	112	0.25	3.0	1.0	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.000002	1.0	0.012	0.0039	0.028	< 0.000007	< 0.000007	3.0	< 0.000003	
AMQ-ENV15-077	IVR14-156	15	25	8b	Intermediate Intrusive	Waste	Core	95	9.6	43	98	0.18	2.0	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.000002	1.0	0.021	0.0083	0.024	< 0.000007	< 0.000007	3.7	< 0.000003	
AMQ-ENV-65	IVR14-110	70	80	8b	Intermediate Intrusive	Waste	Reject	274	9.6	52	172	0.33	10	14	< 3	< 0.3	< 0.6	0.6	< 0.03	< 0.00001	0.000002	0.57	0.049	0.0022	0.082	< 0.000007	< 0.000007	4.0	< 0.000003	
Intermediate Intrusive - 8b							Minimum	9.3	38	98	0.18	< 2	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.000002	0.42	0.012	0.0022	0.024	< 0.000007	< 0.000007	1.9	< 0.000003		
							Maximum	9.7	52	172	0.33	10	14	< 3	< 0.3	< 0.6	0.6	0.09	< 0.00001	0.000003	1.4	0.049	0.012	0.082	0.000017	< 0.000007	6.3	< 0.000003		
							Median	9.6	45	120	0.25	3.0	3.1	nc	nc	nc	0.2	0.03	nc	0.000002	1.0	0.024	0.0076	0.028	0.000007	nc	3.7	nc		
							Average	9.5	46	126	0.24	5.0	5.4	nc	nc	nc	0.3	0.042	nc	0.0000022	0.89	0.027	0.0069	0.044	0.000009	nc	3.8	nc		
							Std. Deviation	nc	5.8	28	0.061	3.7	5.6	nc	nc	nc	nc	0.22	0.027	nc	0.00000045	0.39	0.014	0.0039	0.025	0.0000045	nc	1.6	nc	
							75th Percentile	nc	51	128	0.27	8.0	8.0	nc	nc	nc	nc	0.3	0.03	nc	0.000002	1.0	0.029	0.0083	0.058	0.000007	nc	4.0	nc	

Appendix E.5
Shake Flask Extraction Results
Waste Rock, Ore, Tailing, Soil and Lake Sediment
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

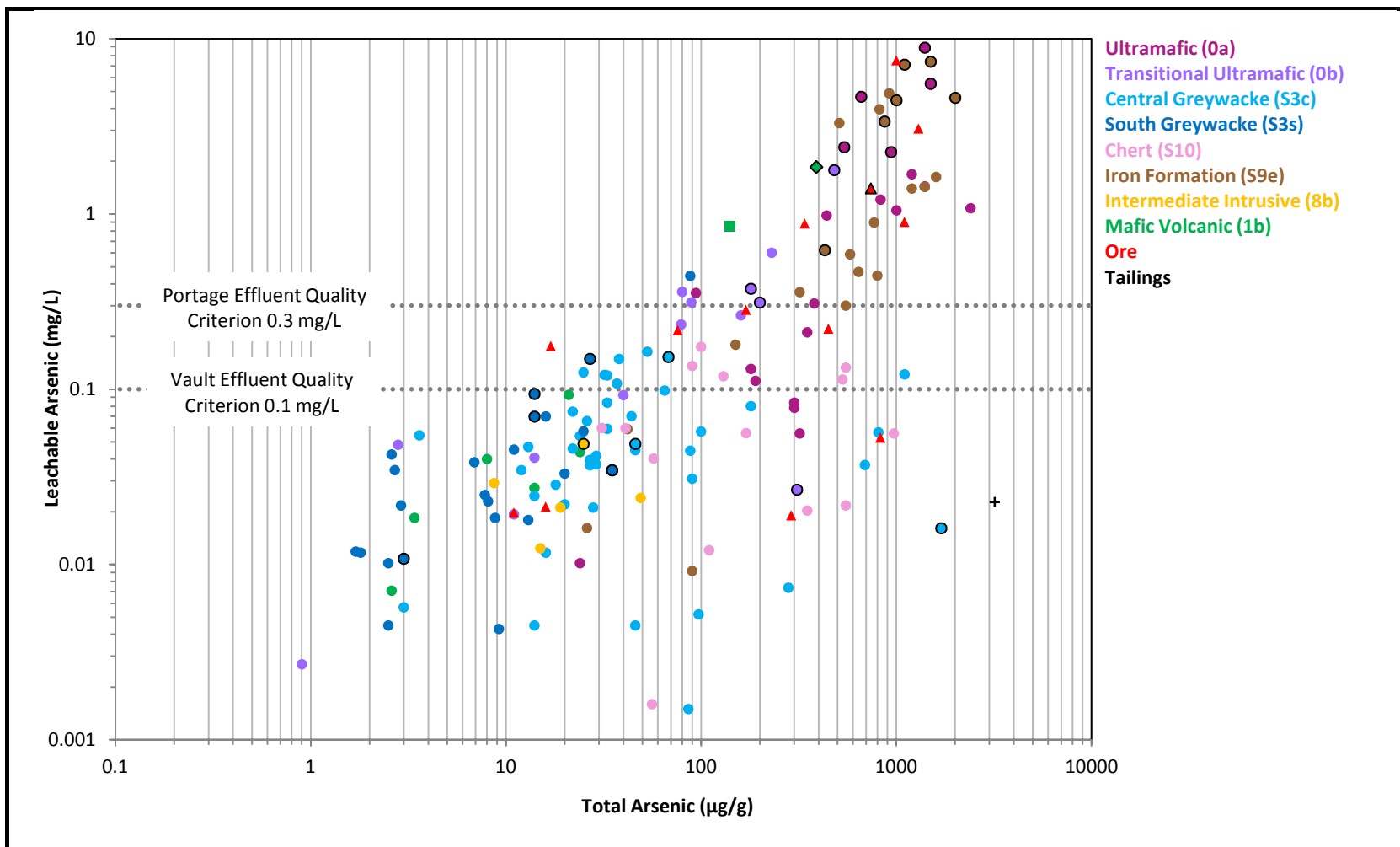
Portage Effluent Quality Criteria ^a										0.1								0.2	1	0.1									0.4		
Vault Effluent Quality Criteria ^b										0.1								0.2	1.5	0.1									0.2		
Sample ID	Borehole ID	Depth (m)		Lithology Code	Rock Name	Sample Type		Distance to Ore	Cobalt	Chromium	Copper	Iron	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Silicon	Tin	Strontium	Titanium	Thallium	Uranium	Vanadium	Zinc
		From	To						mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
AMQ-ENV15-035	AMQ15-211	36	46	S9E	Iron Formation	Waste	Core	0	0.000054	0.00031	0.00041	0.051	7.2	0.00093	1.1	0.0026	0.00009	0.74	0.0009	< 0.003	0.00001	0.0058	0.00006	3.8	0.00002	0.016	0.00035	< 0.000005	0.000006	0.0035	< 0.002
AMQ-ENV15-099	IVR14-089	161	171	S9E	Iron Formation	Waste	Core	0	0.000057	0.00038	0.00018	0.01	4.7	0.000031	4.8	0.00022	0.00002	0.39	0.0019	< 0.003	< 0.00001	0.014	< 0.00004	3.9	< 0.00001	0.073	< 0.00005	0.000014	< 0.000002	0.0043	< 0.002
AMQ-ENV-17	IVR14-123	168	177	S9E	Iron Formation	Waste	Core	23	0.000016	0.00029	0.00027	< 0.002	13	0.000026	0.71	< 0.00001	0.00005	2.5	0.0002	< 0.009	< 0.00001	0.0035	< 0.001	7.4	0.00002	0.031	0.0017	0.000047	< 0.000002	0.0096	< 0.001
AMQ-ENV-42	IVR14-118	201	213	S9E	Iron Formation	Waste	Core	16	0.00024	0.00096	0.00039	0.22	7.2	0.0015	0.23	0.0045	0.00054	15	0.0008	0.021	0.00041	0.0041	< 0.001	5.8	0.00005	0.0093	0.014	0.000007	0.00088	0.011	< 0.001
AMQ-ENV-43	IVR14-118	264	276	S9E	Iron Formation	Waste	Core	37	0.00035	0.0012	0.0002	< 0.002	15	0.00041	5.4	0.0008	0.00015	4.6	0.0095	< 0.009	0.00004	0.026	< 0.001	5.2	0.00003	0.098	0.00015	0.000061	0.000008	0.0095	< 0.001
AMQ-ENV-125	IVR14-152	175	184	S9E	Iron Formation	Waste	Core	12	0.00012	0.0047	0.00022	0.061	29	0.00037	0.66	0.001	0.00029	15	0.0016	< 0.009	0.00002	0.037	< 0.001	12	0.00005	0.04	0.0019	0.000005	0.000012	0.029	< 0.001
AMQ-ENV15-027	AMQ15-164	45	55	S9E	Iron Formation	Waste	Core	3	0.000053	0.00036	0.00014	0.031	13	0.0011	0.79	0.0016	0.00015	0.91	0.0019	< 0.003	< 0.00001	0.02	0.00008	3.0	< 0.00001	0.021	0.00024	< 0.000005	0.000008	0.0055	< 0.002
AMQ-ENV15-034	AMQ15-180	110	119	S9E	Iron Formation	Waste	Core	4	0.000042	0.00009	0.00015	0.019	8.5	0.00022	0.8	0.00095	0.00025	1.2	0.0015	< 0.003	< 0.00001	0.0093	0.00007	2.2	< 0.00001	0.025	0.00011	< 0.000005	< 0.000002	0.0022	< 0.002
AMQ-ENV15-045	AMQ15-188	115	125	S9E	Iron Formation	Waste	Core	4	0.000059	0.00033	0.00012	0.008	9.9	0.00059	1.3	0.00041	0.00009	3.4	0.0013	< 0.003	< 0.00001	0.016	0.00006	4.2	< 0.00001	0.025	0.00005	< 0.000005	< 0.000002	0.0072	< 0.002
AMQ-ENV15-038	AMQ15-193	43	53	S9E	Iron Formation	Waste	Core	11	0.000073	0.00014	0.0025	0.02	18	0.002	2.3	0.002	0.00015	1.2	0.0021	< 0.003	0.00005	0.015	0.00012	3.0	0.00023	0.026	0.00009	< 0.000005	0.000002	0.0033	< 0.002
AMQ-ENV15-039	AMQ15-193	85	95	S9E	Iron Formation	Waste	Core	12	0.000046	0.00082	0.0001	< 0.007	12	0.00032	1.6	0.00008	0.00003	0.43	0.0018	< 0.003	< 0.00001	0.013	< 0.00004	7.2	< 0.00001	0.041	< 0.00005	< 0.000005	< 0.000002	0.0062	< 0.002
AMQ-ENV15-086	IVR14-016	130	140	S9E	Iron Formation	Waste	Core	6	0.00012	0.0046	0.00041	0.034	28	0.00011	0.72	0.0007	0.00008	1.4	0.0016	0.003	0.00002	0.027	0.00037	13	0.00008	0.046	0.00086	< 0.000005	< 0.000002	0.027	< 0.002
AMQ-ENV15-021	AMQ15-161	138	148	S9E	Iron Formation	Waste	Core	7	0.000034	0.00031	0.0026	0.008	12	0.00026	1.0	0.00014	0.0001	1.2	0.0006	< 0.003	0.00004	0.0096	0.00012	5.4	0.0006	0.12	< 0.00005	0.000011	< 0.000002	0.0054	0.002
AMQ-ENV15-040	AMQ15-178	40	50	S9E	Iron Formation	Waste	Core	35	0.00002	< 0.00003	0.0002	< 0.007	7.7	0.000088	1.8	0.00011	0.00006	0.39	0.0001	< 0.003	< 0.00001	0.0051	0.00015	3.3	< 0.00001	0.043	< 0.00005	0.000035	< 0.000002	0.0032	< 0.002
AMQ-ENV15-041	AMQ15-178	90	100	S9E	Iron Formation	Waste	Core	36	0.000024	< 0.00003	0.00011	< 0.007	8.2	0.000097	1.6	0.00004	0.00007	0.66	0.0002	< 0.003	< 0.00001	0.0032	0.00013	3.1	< 0.00001	0.051	< 0.00005	0.000021	< 0.000002	0.0019	< 0.002
AMQ-ENV15-010	AMQ15-232	116	124	S9E	Iron Formation	Waste	Core	5	0.000079	0.00055	0.00024	0.031	18	0.0031	0.83	0.0017	0.00021	1.3	0.002	< 0.003	0.00002	0.01	0.00013	3.4	0.00004	0.022	0.00031	< 0.000005	0.000009	0.0062	< 0.002
AMQ-ENV-47	IVR14-016	130	140	S9E	Iron Formation	Waste	Reject	6	0.000052	0.013	0.00012	0.008	40	0.0009	1.8	0.00043	0.00024	1.6	0.0021	0.011	< 0.00001	0.053	< 0.001	7.5	0.00002	0.053	0.00036	< 0.000005	0.000078	0.038	< 0.001
AMQ-ENV-56	IVR14-055	95	105	S9E	Iron Formation	Waste	Reject	8	0.0002	0.0017	0.00035	0.028	28	0.011	2.5	0.0019	0.00096	25	0.012	0.009	< 0.00001	0.11	< 0.001	5.4	0.00005	0.017	0.00052	< 0.000005	0.000075	0.014	< 0.001
AMQ-ENV-57	IVR14-056	21	31	S9E	Iron Formation	Waste	Reject	9	0.00051	0.00051	0.00026	0.014	44	0.013	6.7	0.012	0.00069	1.8	0.031	0.004	< 0.00001	0.054	< 0.001	4.2	0.00003	0.026	0.00035	< 0.000005	0.000044	0.0065	< 0.001
AMQ-ENV-59	IVR14-056	80	90	S9E	Iron Formation	Waste	Reject	34	0.000096	0.0016	0.00017	0.024	24	0.0005	1.2	0.00037	0.0017	12	0.0019	0.004	0.00004	0.013	< 0.001	5.6	0.00004	0.025	0.00063	0.000009	0.000015	0.014	< 0.001
AMQ-ENV-72	IVR14-097	99	111	S9E	Iron Formation	Waste	Reject	21	0.00003	0.0017	0.00028	< 0.007	36	0.0012	2.3	0.00045	0.00073	2.9	0.0011	0.005	< 0.00001	0.024	< 0.001	5.4	0.00002	0.082	0.00025	< 0.000005	0.000034	0.017	< 0.001
AMQ-ENV-64	IVR14-092	216	227	S9E	Iron Formation	Waste	Reject	17	0.00018	0.011	0.00022	0.072	30	0.00062	0.79	0.0018	0.00066	16	0.0021	0.014	0.00004	0.029	< 0.001	11	0.00005	0.042	0.0033	0.00036	0.00004	0.027	< 0.001
Iron Formation - S9E						Minimum		0.000016	< 0.00003	0.0001	< 0.002	4.7	0.000026	0.23	< 0.00001	0.00002	0.39	0.0001	< 0.003	< 0.00001	0.0032	< 0.00004	2.2	< 0.00001	0.0093	< 0.00005	< 0.000005	< 0.000002	0.0019	< 0.001	
						Maximum		0.00051	0.013	0.0026	0.22	44	0.013	6.7	0.012	0.0017	25	0.031	0.021	0.00041	0.11	0.001	13	0.0006	0.12	0.014	0.00036	0.00088	0.038	0.002	
						Median		0.000058	0.00053	0.00022	0.017	14	0.00054	1.2	0.00075	0.00015	1.5	0.0017	0.003	0.00001	0.014	0.00026	5.3	0.000025	0.035	0.00028	0.000005	0.000007	0.0068	0.002	
						Average		0.00011	0.002	0.00044	0.031	19	0.0018	1.8	0.0015	0.00033	5.0	0.0035	0.006	0.000037	0.023	0.00052	5.7	0.000064	0.042	0.0011	0.000029	0.000056	0.011	0.0015	
						Std. Deviation		0.00012	0.0034	0.00068	0.047	12	0.0035	1.7	0.0025	0.00041	6.8	0.0067	0.0047	0.000084	0.024	0.00046	2.9	0.00013	0.028	0.0029	0.000075	0.00019	0.01	0.00051	
						75th Percentile		0.00012	0.0016	0.00033	0.031	28	0.0012	2.2	0.0018	0.00048	4.3	0.0021	0.009	0.000035	0.027	0.001	6.9	0.00005	0.05	0.0006	0.000013	0.000029	0.014	0.002	
AMQ-ENV-114	IVR14-144	16	25	8b	Intermediate Intrusive	Waste	Core	381	0.00018	0.0015	0.00036	0.55	12	0.0028	0.31	0.007	0.0092	15	0.0007	0.1	0.0002	0.0022	< 0.001	4.3	0.00039	0.0055	0.032	0.000009	0.00066	0.014	0.001
AMQ-ENV15-002	AMQ15-187	18	25	8b	Intermediate Intrusive	Waste	Core	66	0.000057	0.00004	0.0002	0.036	11	0.0017	0.67	0.00038	0.0035	9.9	0.0001	0.039	0.0001	0.0022	0.0016	2.5	0.00003	0.024	0.0018	< 0.000005	0.00027	0.0065	< 0.002
AMQ-ENV15-100	IVR14-087	9	18	8b																											

Appendix E.5
Shake Flask Extraction Results
Waste Rock, Ore, Tailing, Soil and Lake Sediment
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

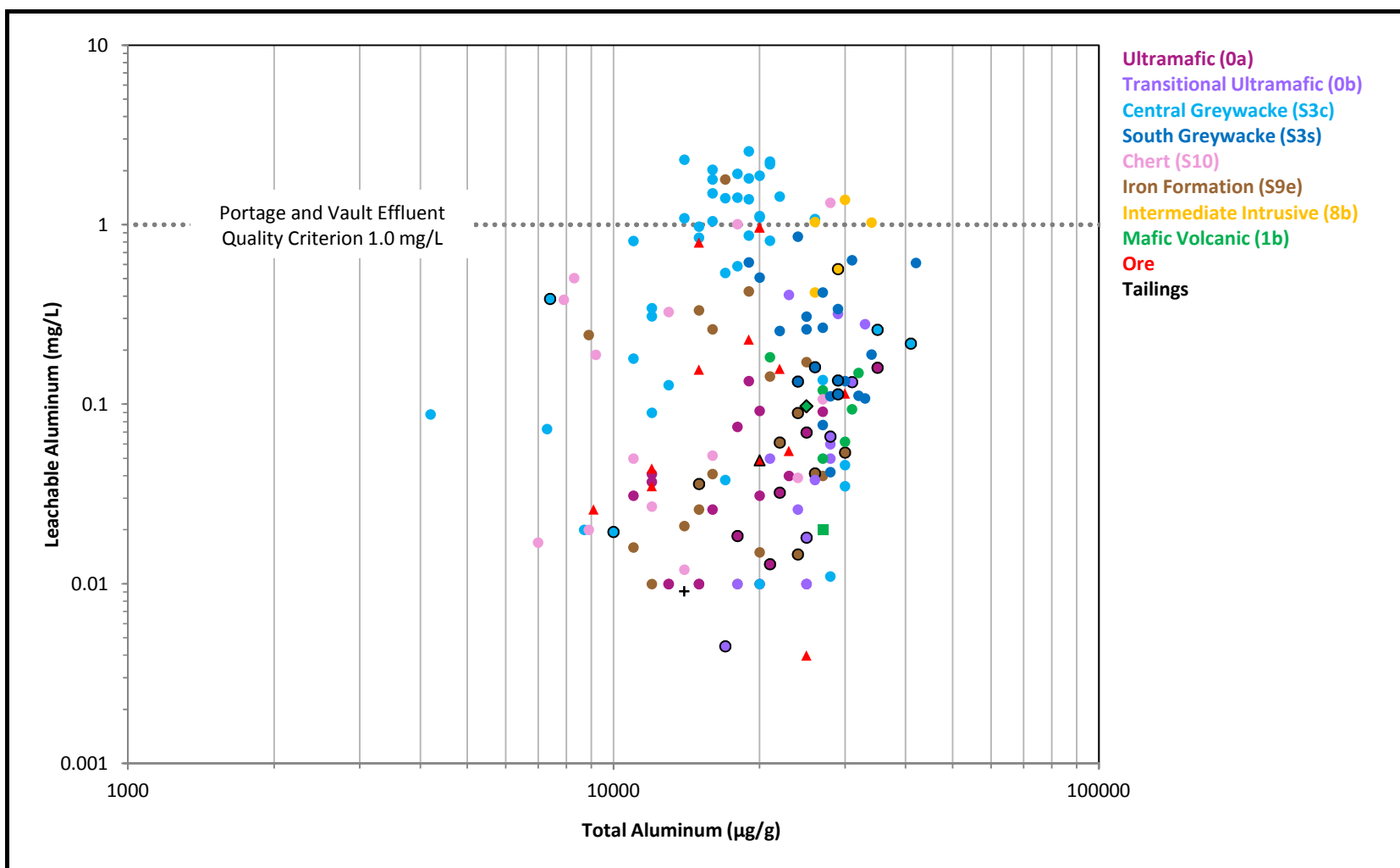
Portage Effluent Quality Criteria ^a									6-9				1000				20		1.5	0.0004		1	0.3						0.002	
Vault Effluent Quality Criteria ^b									6-9				500				50		1	0.0004		1	0.1						0.002	
Sample ID	Borehole ID	Depth (m)		Lithology Code	Rock Name	Sample Type		Distance to Ore	Final pH	Alkalinity	Conductivity	Fluoride	Chloride	Sulphate	Bromide	Nitrite (as N)	Nitrate (as N)	Chromium	Phosphorus (total reactive)	Mercury	Silver	Aluminum	Arsenic	Barium	Boron	Beryllium	Bismuth	Calcium	Cadmium	
		From	To						mg/L as CaCO3	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	as N mg/L	as N mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
AMQ-ENV-01	IVR14-130	11	20	1b	Mafic Volcanic (near UM contact)	Waste	Core	50	9.3	41	205	0.09	< 2	50	< 3	< 0.3	< 0.6	-	0.14	< 0.00001	< 0.000002	0.02	0.85	0.091	0.016	< 0.000007	< 0.000007	12	< 0.000003	
AMQ-ENV-07	IVR14-116	16	25	1b	Mafic Volcanic	Waste	Core	47	9.2	37	204	0.84	< 2	44	< 3	< 0.3	< 0.6	-	0.04	< 0.00001	0.000007	0.05	0.044	0.21	0.01	< 0.000007	< 0.000007	17	< 0.000003	
AMQ-ENV-08	IVR14-116	30	39	1b	Mafic Volcanic	Waste	Core	36	9.7	37	141	0.69	< 2	19	< 3	< 0.3	< 0.6	-	0.09	< 0.00001	0.000002	0.12	0.04	0.2	0.0085	0.00001	< 0.000007	7.8	0.000004	
AMQ-ENV-118	IVR14-151	200	209	1b	Mafic Volcanic	Waste	Core	31	10	61	148	0.25	< 2	2.2	< 3	< 0.3	< 0.6	-	0.03	< 0.00001	< 0.000002	0.15	0.093	0.0048	0.057	< 0.000007	< 0.000007	1.9	< 0.000003	
AMQ-ENV15-104	IVR14-087	100	110	1b	Mafic Volcanic	Waste	Core	31	9.9	41	101	0.11	1.0	1.0	< 3	< 0.3	< 0.6	0.4	< 0.03	< 0.00001	< 0.000002	0.062	0.0071	0.032	0.0097	< 0.000007	< 0.000007	3.3	0.000005	
AMQ-ENV15-094	IVR14-091	41	51	1b	Mafic Volcanic	Waste	Core	42	10.0	39	93	0.2	1.0	1.0	< 3	< 0.3	< 0.6	0.5	< 0.03	< 0.00001	< 0.000002	0.094	0.027	0.02	0.0074	< 0.000007	< 0.000007	3.9	< 0.000003	
AMQ-ENV15-024	IVR14-141	38	47	1b	Mafic Volcanic	Waste	Core	67	9.9	50	80	0.13	< 1	< 1	< 3	< 0.3	< 0.6	0.6	0.04	< 0.00001	< 0.000002	0.18	0.019	0.0061	0.0079	< 0.000007	< 0.000007	4.6	< 0.000003	
AMQ-ENV-51	IVR14-103	218	228	1b	Mafic Volcanic (prev. logged GW)	Waste	Reject	36	9.8	51	124	0.27	< 2	2.6	< 3	< 0.3	< 0.6	2.6	0.56	< 0.00001	< 0.000002	0.097	1.9	0.003	0.096	< 0.000007	< 0.000007	2.5	< 0.000003	
Mafic Volcanic - 1b									Minimum	9.2	37	80	0.09	< 1	< 1	< 3	< 0.3	< 0.6	< 0.4	< 0.03	< 0.00001	< 0.000002	0.02	0.0071	0.003	0.0074	< 0.000007	< 0.000007	1.9	< 0.000003
									Maximum	10	61	205	0.84	2.0	50	< 3	< 0.3	< 0.6	2.6	0.56	< 0.00001	0.000007	0.18	1.9	0.21	0.096	< 0.000007	< 0.000007	17	< 0.000005
									Median	9.8	41	133	0.23	2.0	2.4	nc	nc	nc	0.55	0.04	nc	0.000002	0.096	0.042	0.026	0.0099	0.000007	nc	4.3	0.000003
									Average	9.6	45	137	0.32	1.6	15	nc	nc	nc	1.0	0.12	nc	0.0000026	0.097	0.37	0.07	0.027	0.0000074	nc	6.6	0.0000034
									Std. Deviation	nc	8.6	48	0.28	0.52	21	nc	nc	nc	0.88	0.18	nc	0.0000018	0.054	0.66	0.087	0.033	0.0000011	nc	5.2	0.00000074
									75th Percentile	nc	50	162	0.38	2.0	25	nc	nc	nc	1.1	0.1	nc	0.0000002	0.13	0.28	0.12	0.027	0.000007	nc	8.9	0.0000033
AMQ-ENV15-089	IVR14-079	78	88	S9E	Ultramafic	Ore	Core	0	8.9	40	210	0.09	38	6.0	< 3	< 0.3	< 0.6	< 0.2	0.63	< 0.00001	0.000021	0.16	3.1	0.01	0.011	< 0.000007	0.000022	11	< 0.000003	
AMQ-ENV15-134	AMQ15-433-02	32	42	S10	ALTV41	Ore	Core	-	8.5	70	304	0.24	53	17	< 3	< 0.3	< 0.6	0.3	< 0.03	< 0.00001	0.00001	0.035	0.019	0.013	0.39	0.00019	0.023	11	0.0012	
AMQ-ENV15-135	AMQ15-433-03	67	75	0a	ALTV42	Ore	Core	-	9.6	65	201	0.22	8.0	8.0	< 3	< 0.3	< 0.6	4.0	2.2	< 0.00001	0.000003	0.055	7.6	0.0091	0.24	0.00011	0.0066	4.7	0.00099	
AMQ-ENV15-136	AMQ15-438-01	32	33	S10	QZ3	Ore	Core	-	9.7	70	174	0.28	3.0	3.0	< 3	< 0.3	< 0.6	0.7	0.04	< 0.00001	< 0.000002	0.12	0.18	0.013	0.2	0.000096	0.0025	2.7	0.00081	
AMQ-ENV15-137	AMQ15-438-02	33	38	0a	QZ4	Ore	Core	-	9.3	70	177	0.22	5.0	4.0	< 3	< 0.3	< 0.6	0.6	0.11	< 0.00001	< 0.000002	0.004	0.88	0.039	0.2	0.00011	0.0042	7.8	0.00074	
AMQ-ENV15-138	AMQ15-438-03	66	78	S10/UM	QZ2	Ore	Core	-	8.6	57	210	0.18	36	2.0	< 3	< 0.3	< 0.6	0.2	< 0.03	< 0.00001	0.000005	0.026	0.053	0.01	0.13	0.00014	0.0038	19	0.0013	
AMQ-ENV15-139	AMQ15-438-04	88	98	S10	QZ2	Ore	Core	-	9.2	62	184	0.26	18	2.0	< 3	< 0.3	< 0.6	0.3	< 0.03	< 0.00001	0.000002	0.23	0.22	0.0065	0.12	0.00011	0.0027	4.2	0.001	
AMQ-ENV15-140	AMQ15-481-01	190	200	S3C	QZ3	Ore	Core	-	9.7	59	134	0.26	1.0	2.0	< 3	< 0.3	< 0.6	0.4	0.06	< 0.00001	< 0.000002	0.97	0.22	0.0074	0.12	0.0001	0.0016	2.2	0.00087	
AMQ-ENV15-142	AMQ15-481-03	254	259	S3C	QZ2	Ore	Core	-	9.6	50	112	0.33	2.0	1.0	< 3	< 0.3	< 0.6	0.3	< 0.03	< 0.00001	0.000029	0.8	0.02	0.0027	0.072	0.000031	0.00037	3.8	0.00025	
AMQ-ENV15-143	AMQ15-481-04	262	272	S3C	QZ2	Ore	Core	-	9.7	56	129	0.65	1.0	2.0	< 3	< 0.3	< 0.6	0.4	< 0.03	< 0.00001	0.000041	0.97	0.021	0.0035	0.081	0.000029	0.0003	2.8	0.00019	
AMQ-ENV15-144	AMQ15-481-05	390	400	S3C	ALTV41	Ore	Core	-	8.9	66	238	0.25	40	< 1	< 3	< 0.3	< 0.6	0.4	0.1	< 0.00001	0.0012	0.16	0.9	0.0086	0.11	0.000024	0.0003	8.1	0.00016	
AMQ-ENV15-076	IVR14-156	145	155	0b	Ultramafic	Ore	Core	0	8.4	70	331	0.1	49	44	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.00011	0.044	0.28	0.091	0.023	< 0.000007	0.00001	21	< 0.000003	
AMQ-ENV-52	IVR14-084	72	84	0b	Ultramafic	Ore	Reject	0	8.5	49	285	0.11	< 2	75	< 3	< 0.3	< 0.6	0.3	0.24	< 0.00001	0.000037	0.049	1.4	0.035	0.026	< 0.000007	< 0.000007	20	< 0.000003	
Ore									Minimum	8.4	40	112	0.09	< 1	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	< 0.000002	0.004	0.019	0.0027	0.011	< 0.000007	< 0.000007	2.2	< 0.000003
									Maximum	9.7	70	331	0.65	53	75	< 3	< 0.3	< 0.6	4.0	2.2	< 0.00001	0.0012	0.97	7.6	0.091	0.39	0.00019	0.023	21	0.0013
									Median	9.2	62	201	0.24	8.0	3.0	nc	nc	nc	0.3	0.04	nc	0.00001	0.12	0.22	0.01	0.12	0.000096	0.0016	7.8	0.00074
									Average	8.9	60	207	0.25	20	13	nc	nc	nc	0.64	0.27	nc	0.00013	0.28	1.1	0.019	0.13	0.000074	0.0035	9.1	0.00057
									Std. Deviation	nc	9.6	68	0.14	20	22	nc	nc	nc	1.0	0.59	nc	0.00033	0.37	2.1	0.024	0.11	0.00006	0.0061	6.9	0.00048
									75th Percentile	nc	70	238	0.26	38	8.0	nc	nc	nc	0.4	0.11	nc	0.000041	0.23	0.9	0.013	0.2	0.00011	0.0038	11	0.00099
RE-13872/RE-13874	-	-	-	-	Processed ore	Tailing	milling reject	0	8.2	65	1620	0.06	< 2	720	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.000012	0.0091	0.023	0.012	0.027	< 0.000007	< 0.000007	159	0.000014	
AMQ-ENV15-116	-	surface	-	-	Overburden	Waste	grab	-	5.7	22	56	0.09	1.0	< 1	< 3	< 0.3	< 0.6	< 0.2	< 0.03	< 0.00001	0.00001	0.64	0.01	0.0058	0.048	0.000023	0.000.			

Appendix E.5
Shake Flask Extraction Results
Waste Rock, Ore, Tailing, Soil and Lake Sediment
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

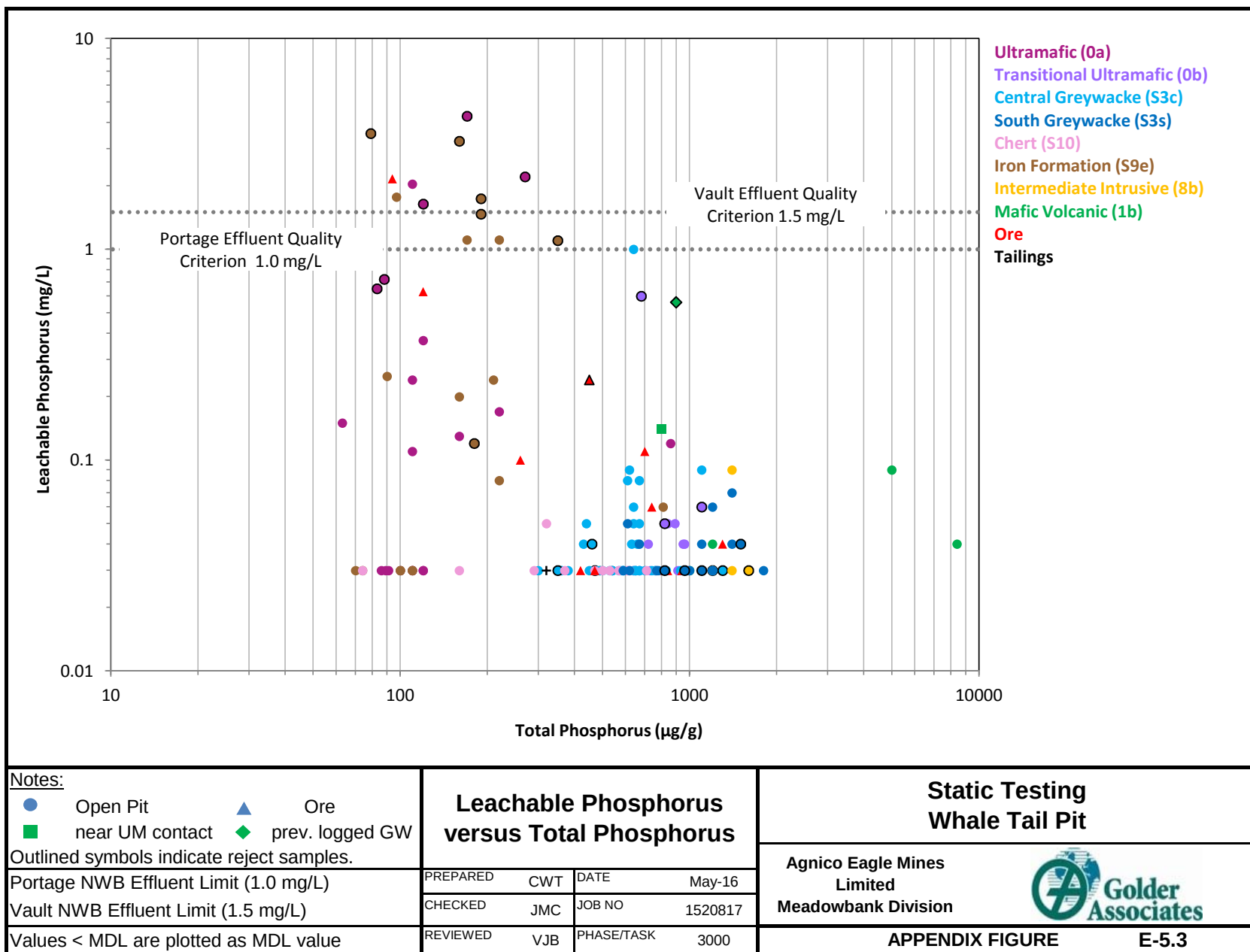
Portage Effluent Quality Criteria ^a											0.1								0.2	1	0.1									0.4	
Vault Effluent Quality Criteria ^b											0.1								0.2	1.5	0.1									0.2	
Sample ID	Borehole ID	Depth (m)		Lithology Code	Rock Name	Sample Type		Distance to Ore	Cobalt	Chromium	Copper	Iron	Potassium	Lithium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Silicon	Tin	Strontium	Titanium	Thallium	Uranium	Vanadium	Zinc
		From	To						mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
AMQ-ENV-01	IVR14-130	11	20	1b	Mafic Volcanic (near UM contact)	Waste	Core	50	0.00013	0.00035	0.00014	< 0.002	30	0.0013	3.9	0.00088	0.0012	1.6	0.0016	< 0.009	< 0.00001	0.0033	< 0.001	4.5	0.00004	0.11	< 0.00005	0.000042	0.000064	0.0061	< 0.001
AMQ-ENV-07	IVR14-116	16	25	1b	Mafic Volcanic	Waste	Core	47	0.000027	0.00035	0.00082	0.01	24	0.018	3.2	0.002	0.0053	1.8	0.0005	0.059	< 0.00001	0.0026	0.015	5.4	0.00003	0.24	0.00075	0.000012	0.00098	0.037	< 0.001
AMQ-ENV-08	IVR14-116	30	39	1b	Mafic Volcanic	Waste	Core	36	0.00012	0.0021	0.0015	0.098	21	0.0086	1.3	0.0017	0.0032	3.0	0.0015	0.11	0.0005	0.0015	0.002	10	0.00006	0.2	0.0085	0.000007	0.000072	0.035	< 0.001
AMQ-ENV-118	IVR14-151	200	209	1b	Mafic Volcanic	Waste	Core	31	0.000012	0.0012	0.0003	0.015	21	0.00029	0.12	0.00027	0.00029	13	0.0001	0.011	< 0.00001	0.003	< 0.001	8.0	0.00008	0.047	0.0011	< 0.000005	0.00003	0.018	< 0.001
AMQ-ENV15-104	IVR14-087	100	110	1b	Mafic Volcanic	Waste	Core	31	0.000099	0.0011	0.00044	0.038	21	0.00011	0.46	0.00071	0.003	2.2	0.0025	0.015	0.0014	0.0049	0.00011	10.0	0.00007	0.042	0.0014	< 0.000005	0.000009	0.024	< 0.002
AMQ-ENV15-094	IVR14-091	41	51	1b	Mafic Volcanic	Waste	Core	42	0.000069	0.00096	0.00023	0.04	17	0.000069	0.38	0.0007	0.00061	2.7	0.0005	0.018	0.00005	0.0032	0.0002	11	< 0.00001	0.031	0.0012	< 0.000005	0.000008	0.02	< 0.002
AMQ-ENV15-024	IVR14-141	38	47	1b	Mafic Volcanic	Waste	Core	67	0.000076	0.0016	0.00025	0.073	11	0.00037	0.52	0.0012	0.001	3.7	0.0004	0.039	0.00007	0.0018	0.00018	11	< 0.00001	0.025	0.0022	< 0.000005	0.00011	0.022	< 0.002
AMQ-ENV-51	IVR14-103	218	228	1b	Mafic Volcanic (prev. logged GW)	Waste	Reject	36	0.00018	0.0049	0.00054	0.09	21	0.00028	0.45	0.0012	0.00083	11	0.0013	0.018	0.0001	0.014	< 0.001	5.8	0.00011	0.039	0.0047	< 0.000005	0.000027	0.023	< 0.001
Mafic Volcanic - 1b								Minimum	0.000012	0.00035	0.00014	< 0.002	11	0.000069	0.12	0.00027	0.00029	1.6	0.0001	< 0.009	< 0.00001	0.0015	< 0.00011	4.5	< 0.00001	0.025	< 0.00005	< 0.000005	0.000008	0.0061	< 0.001
								Maximum	0.00018	0.0049	0.0015	0.098	30	0.018	3.9	0.002	0.0053	13	0.0025	0.11	0.0014	0.014	0.015	11	0.00011	0.24	0.0085	0.000042	0.00098	0.037	< 0.002
								Median	0.000088	0.0012	0.00037	0.039	21	0.00033	0.49	0.001	0.0011	2.8	0.0009	0.018	0.00006	0.0031	0.001	9.0	0.00005	0.044	0.0013	0.000005	0.000047	0.022	nc
								Average	0.000089	0.0016	0.00053	0.046	21	0.0036	1.3	0.0011	0.0019	4.9	0.0011	0.035	0.00027	0.0043	0.0026	8.3	0.000051	0.092	0.0025	0.000011	0.00016	0.023	nc
								Std. Deviation	0.000055	0.0015	0.00046	0.037	5.6	0.0065	1.4	0.00056	0.0017	4.5	0.00081	0.036	0.00049	0.0042	0.0051	2.7	0.000035	0.086	0.0028	0.000013	0.00033	0.0098	nc
									75th Percentile	0.00012	0.0017	0.00061	0.077	22	0.0031	1.8	0.0013	0.003	5.6	0.0015	0.044	0.0002	0.0037	0.0013	10	0.000073	0.13	0.0028	0.0000083	0.000082	0.026
AMQ-ENV15-089	IVR14-079	78	88	S9E	Ultramafic	Ore	Core	0	0.00015	0.00017	0.0001	0.025	34	0.0021	1.9	0.0026	0.00034	1.9	0.008	< 0.003	< 0.00001	0.023	0.00012	3.8	< 0.00001	0.034	0.00055	< 0.000005	0.000027	0.005	< 0.002
AMQ-ENV15-134	AMQ15-433-02	32	42	S10	ALTV41	Ore	Core	-	0.0012	0.0017	0.0021	0.15	44	0.0067	2.4	0.006	0.031	15	0.0019	0.004	0.0024	0.0049	0.016	3.6	0.00004	0.017	0.0007	0.0033	0.004	0.0021	< 0.002
AMQ-ENV15-135	AMQ15-433-03	67	75	0a	ALTV42	Ore	Core	-	0.0014	0.0087	0.0019	0.17	32	0.0028	1.2	0.0053	0.0065	13	0.006	0.011	0.0013	0.035	0.0067	15	0.00006	0.019	0.003	0.0023	0.0015	0.035	0.002
AMQ-ENV15-136	AMQ15-438-01	32	33	S10	QZ3	Ore	Core	-	0.0011	0.0034	0.0025	0.12	29	0.0051	0.61	0.002	0.0039	13	0.0024	0.03	0.0011	0.0048	0.0047	11	0.00004	0.013	0.0072	0.0016	0.0013	0.032	< 0.002
AMQ-ENV15-137	AMQ15-438-02	33	38	0a	QZ4	Ore	Core	-	0.00074	0.0015	0.0014	0.014	23	0.0041	2.3	0.00089	0.0031	13	0.0019	0.006	0.0012	0.0084	0.0042	6.0	0.00004	0.046	0.00037	0.0013	0.0012	0.011	< 0.002
AMQ-ENV15-138	AMQ15-438-03	66	78	S10/UM	QZ2	Ore	Core	-	0.0012	0.0015	0.0014	0.028	14	0.0033	2.1	0.0028	0.0094	12	0.0014	< 0.003	0.0014	0.0049	0.0044	3.1	0.00004	0.036	< 0.00005	0.0014	0.0015	0.0015	< 0.002
AMQ-ENV15-139	AMQ15-438-04	88	98	S10	QZ2	Ore	Core	-	0.001	0.0014	0.0012	0.28	21	0.0025	0.65	0.0052	0.0045	20	0.0012	0.011	0.0012	0.0047	0.0026	3.2	0.00004	0.0094	0.0019	0.0012	0.0012	0.002	< 0.002
AMQ-ENV15-140	AMQ15-481-01	190	200	S3C	QZ3	Ore	Core	-	0.00094	0.0018	0.0016	0.14	15	0.0036	0.23	0.003	0.002	16	0.001	0.013	0.0011	0.0048	0.0022	6.0	0.00005	0.0049	0.0065	0.001	0.0016	0.016	< 0.002
AMQ-ENV15-142	AMQ15-481-03	254	259	S3C	QZ2	Ore	Core	-	0.00023	0.00058	0.00059	0.01	9.6	0.0017	0.29	0.00051	0.00071	14	0.0003	0.005	0.00029	0.0042	0.00066	4.8	0.00003	0.016	0.00039	0.00029	0.00077	0.007	< 0.002
AMQ-ENV15-143	AMQ15-481-04	262	272	S3C	QZ2	Ore	Core	-	0.0002	0.00067	0.00063	0.057	10	0.0014	0.17	0.001	0.001	18	0.0004	0.009	0.00032	0.0074	0.00062	5.4	0.00009	0.008	0.0021	0.00024	0.00084	0.012	0.005
AMQ-ENV15-144	AMQ15-481-05	390	400	S3C	ALTV41	Ore	Core	-	0.0002	0.00081	0.00028	0.04	25	0.0027	0.9	0.0013	0.0039	23	0.0033	0.004	0.00023	0.0023	0.00065	2.8	0.00005	0.04	0.00043	0.0002	0.00026	0.0018	< 0.002
AMQ-ENV15-076	IVR14-156	145	155	0b	Ultramafic	Ore	Core	0	0.00078	0.0002	0.00037	0.037	28	0.0087	14	0.026	0.0079	2.1	0.02	< 0.003	0.00001	0.0071	0.00052	3.5	< 0.00001	0.23	0.00076	0.000034	0.00011	0.00061	< 0.002
AMQ-ENV-52	IVR14-084	72	84	0b	Ultramafic	Ore	Reject	0	0.00081	0.00035	0.00022	< 0.007	38	0.0034	7.6	0.0054	0.0019	0.89	0.011	0.007	0.00004	0.0092	< 0.001	3.8	0.00003	0.16	0.00016	0.000027	0.00015	0.0023	< 0.001
Ore								Minimum	0.00015	0.00017	0.0001	< 0.007	9.6	0.0014	0.17	0.00051	0.00034	0.89	0.0003	< 0.003	< 0.00001	0.0042	< 0.00012	2.8	< 0.00001	0.0049	< 0.00005	< 0.000005			

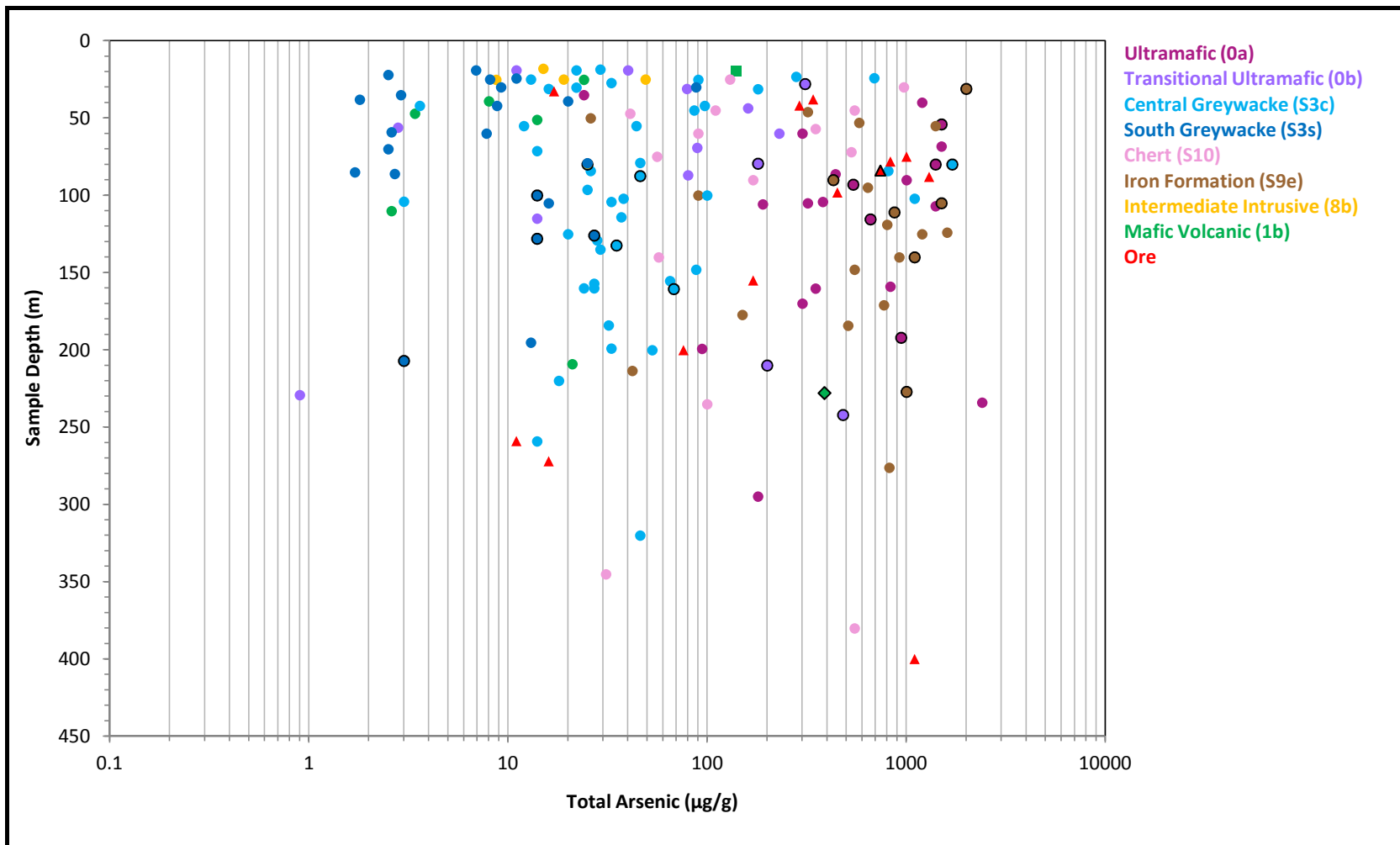


Notes: ● Open Pit ▲ Ore ■ near UM contact ◆ prev. logged GW Outlined symbols indicate reject samples.		Leachable Arsenic versus Total Arsenic		Static Testing Whale Tail Pit	
Portage NWB Effluent Limit (0.3 mg/L)		PREPARED	CWT	DATE	May-16
Vault NWB Effluent Limit (0.1 mg/L)		CHECKED	JMC	JOB NO	1520817
Values < MDL are plotted as MDL value		REVIEWED	VJB	PHASE/TASK	3000
				Agnico Eagle Mines Limited Meadowbank Division	
					
				APPENDIX FIGURE E-5.1	

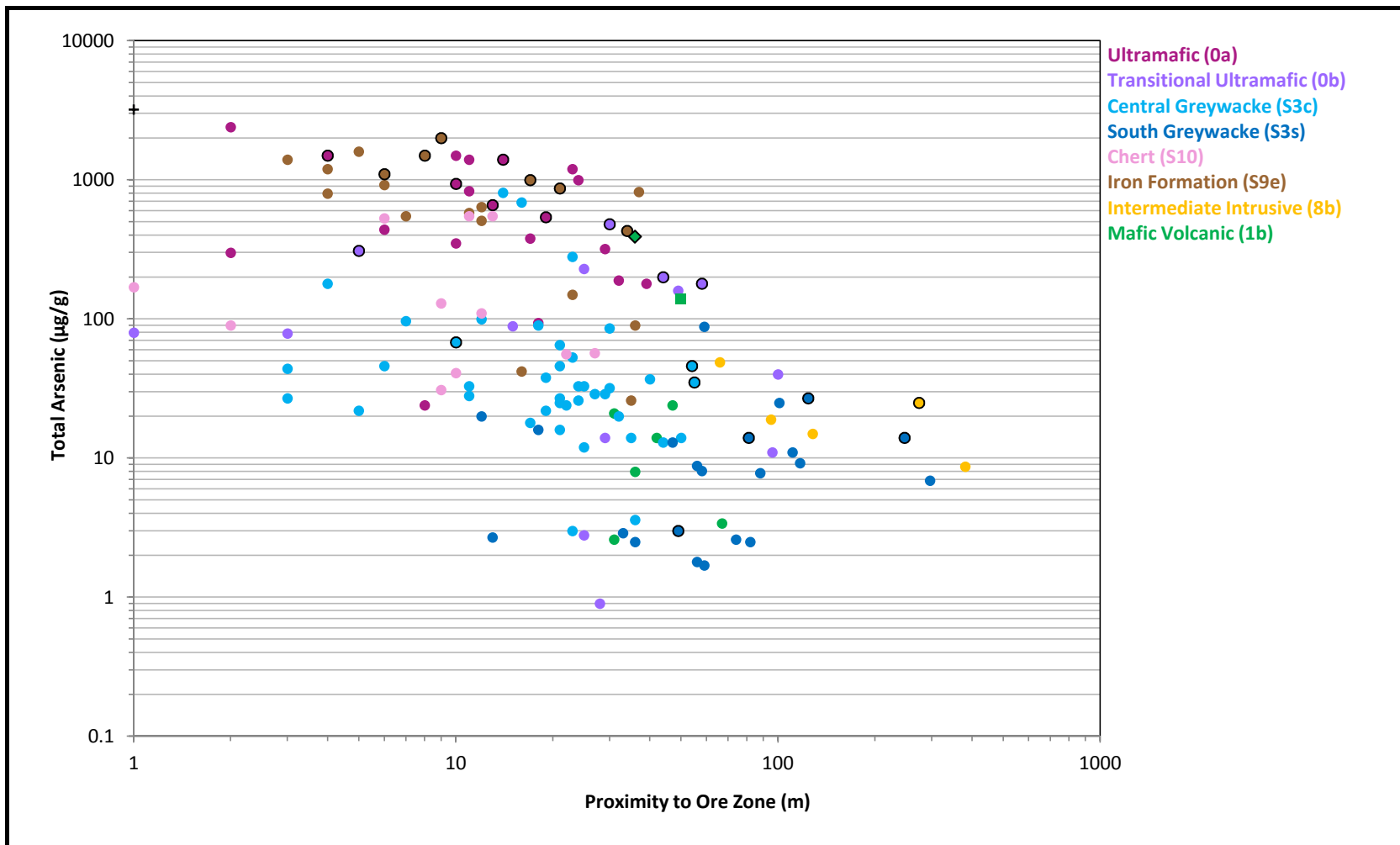


Notes: ● Open Pit ■ near UM contact ▲ Ore ◆ prev. logged GW Outlined symbols indicate reject samples.	Leachable Aluminum versus Total Aluminum		Static Testing Whale Tail Pit	
			Agnico Eagle Mines Limited Meadowbank Division	
				
Portage NWB Effluent Limit (1.0 mg/L)	PREPARED	CWT	DATE	May-16
Vault NWB Effluent Limit (1.0 mg/L)	CHECKED	JMC	JOB NO	1520817
Values < MDL are plotted as MDL value	REVIEWED	VJB	PHASE/TASK	3000
			APPENDIX FIGURE	
			E-5.2	

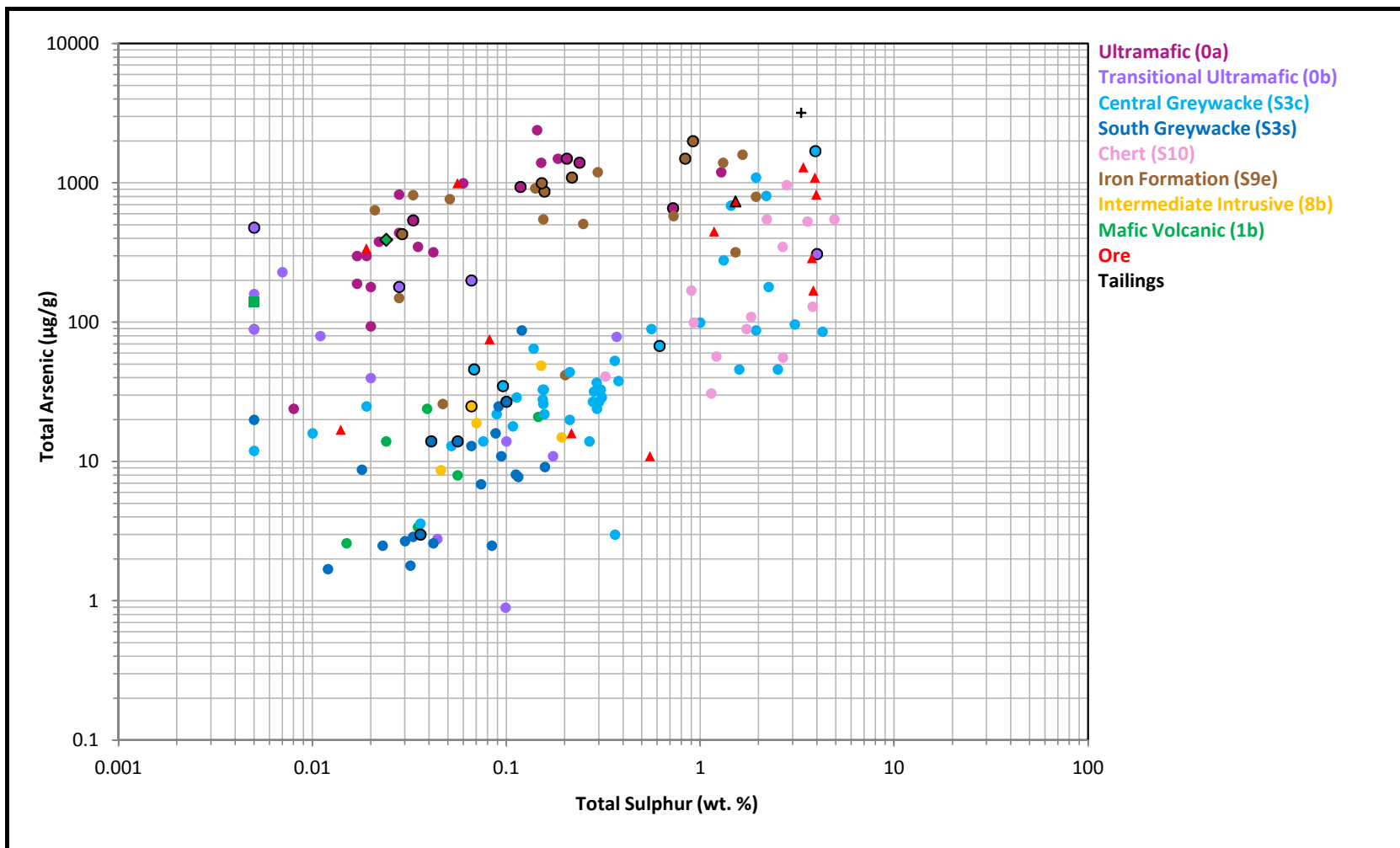




Notes:		Total Arsenic versus Sample Depth		Static Testing Whale Tail Pit	
● Open Pit ▲ Ore ■ near UM contact ◆ prev. logged GW Outlined symbols indicate reject samples.				Agnico Eagle Mines Limited Meadowbank Division	
		PREPARED	CWT	DATE	May-16
		CHECKED	JMC	JOB NO	1520817
Values < MDL are plotted as MDL value		REVIEWED	VJB	PHASE/TASK	3000
					
				APPENDIX FIGURE E-5.4	

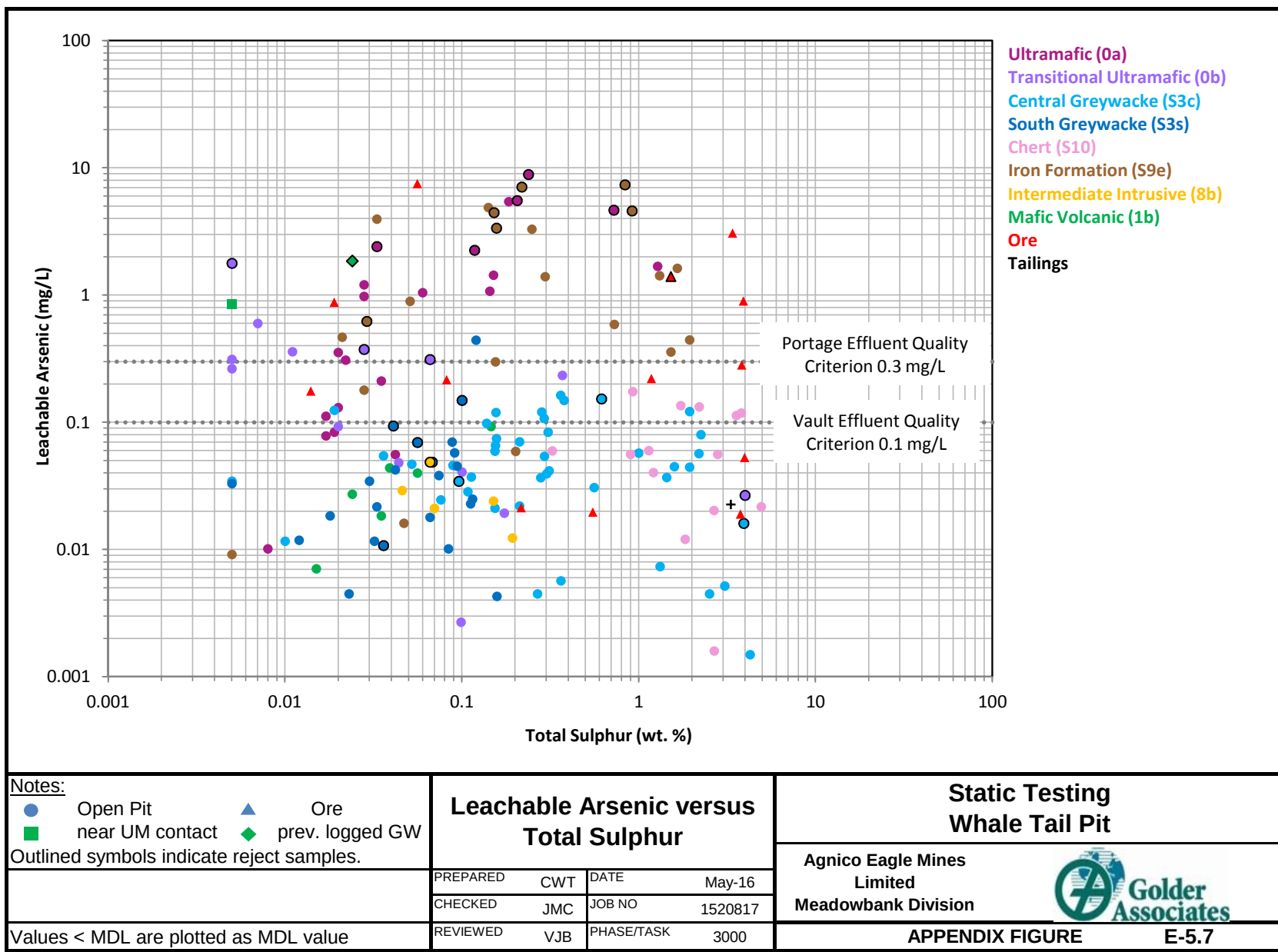


Notes: ● Open Pit ▲ Ore ■ near UM contact ◆ prev. logged GW Outlined symbols indicate reject samples.		Total Arsenic versus Proximity to Ore Zone		Static Testing Whale Tail Pit	
Values < MDL are plotted as MDL value		PREPARED CWT CHECKED JMC REVIEWED VJB	DATE May-16 JOB NO 1520817 PHASE/TASK 3000	Agnico Eagle Mines Limited Meadowbank Division 	
				APPENDIX FIGURE E-5.5	



Notes: ● Open Pit ▲ Ore ■ near UM contact ◆ prev. logged GW Outlined symbols indicate reject samples.	Total Arsenic versus Total Sulphur		Static Testing Whale Tail Pit		
			Agnico Eagle Mines Limited Meadowbank Division		
	Portage NWB Effluent Limit (0.3 mg/L)	PREPARED	CWT	DATE	May-16
	Vault NWB Effluent Limit (0.1 mg/L)	CHECKED	JMC	JOB NO	1520817
	Values < MDL are plotted as MDL value	REVIEWED	VJB	PHASE/TASK	3000
			APPENDIX FIGURE		
			E-5.6		







E.6 – Process Water Quality

Appendix E.6
Process Water Results
Waste Rock, Ore and Tailing
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Portage Effluent Criteria ^{a,c}		6-9						1000			20			16	0.5			
Vault Effluent Criteria ^{b,c}		<u>6-9</u>						<u>500</u>			<u>50</u>			<u>20</u>				
Sample ID		pH	Alkalinity mg/L as CaCO3	Conductivity µS/cm	Carbonate mg/L as CaCO3	Bicarbonate mg/L as CaCO3	Fluoride mg/L	Chloride mg/L	Sulphate mg/L	Nitrite (as N) as N mg/L	Nitrate (as N) as N mg/L	Bromide mg/L	Phosphorus (total reactive) mg/L	Ammonia+ Ammonium as N mg/L	Cyanide (total) mg/L	Cyanide (WAD) mg/L	Cyanate mg/L	Thiocyanate mg/L
RE-13872/RE-13874		8.1	135	14800	< 2	135	0.17	17	8000	< 0.3	6.1	< 3	0.27	<u>69</u>	2.0	0.06	240	290

Portage Effluent Criteria ^{a,c}		0.00040	1.0	1.5	0.30						0.0020			0.10				
Vault Effluent Criteria ^{b,c}		<u>0.00040</u>	<u>1.0</u>	<u>1.5</u>	<u>0.10</u>						<u>0.0020</u>			<u>0.10</u>				
	Chromium VI mg/L	Mercury mg/L	Silver mg/L	Aluminum mg/L	Arsenic mg/L	Barium mg/L	Beryllium mg/L	Boron mg/L	Bismuth mg/L	Calcium mg/L	Cadmium mg/L	Cobalt mg/L	Chromium mg/L	Copper mg/L	Iron mg/L	Potassium mg/L	Lithium mg/L	Magnesium mg/L
RE-13872/RE-13874	<0.0002	< 0.00001	0.00050	0.54	<u>0.33</u>	0.085	0.000036	0.059	0.000040	527	0.000049	0.52	0.012	0.024	2.7	221	0.019	24

Portage Effluent Criteria ^{a,c}				0.2	1	0.1									0.4	
Vault Effluent Criteria ^{b,c}				0.2	1.5	0.1									0.2	
	Manganese mg/L	Molybdenum mg/L	Sodium mg/L	Nickel mg/L	Phosphorus mg/L	Lead mg/L	Antimony mg/L	Selenium mg/L	Silicon mg/L	Tin mg/L	Strontium mg/L	Titanium mg/L	Thallium mg/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L
RE-13872/RE-13874	0.19	0.13	3720	0.056	0.028	0.011	0.011	0.010	5.7	0.0036	0.41	0.023	0.000027	0.0033	0.0012	0.0040

Notes:
a) Discharge of Effluent from the Portage Attenuation Pond at Monitoring Station ST-9. Nunavut Water Board Water License No. 2AM-MEA1525, July 2015.
b) Discharge of Effluent from the Vault Attenuation Pond at Monitoring Station ST-10. Nunavut Water Board Water License No. 2AM-MEA1525, July 2015.
c) All limits are for total metals

1.0	Results exceeds the Portage Effluent Water Quality Limit
<u>1.0</u>	Result exceeds the Vault Effluent Water Quality Limit
<u>1.0</u>	Result exceeds both the Portage and Vault Effluent Water Quality Limits



APPENDIX F

Kinetic Test Results to Date



F.1 – HCTs and Large Columns

Appendix F-1
Kinetic Testing Results
Waste Rock, Ore, and Tailings
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Parameter			Portage Effluent Criteria ¹	Vault Effluent Criteria ²	Humidity Cell Test Cycle - AMQ-ENV-018 Greywacke (S3c)																												
					Week 0	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15	Week 16	Week 17	Week 18	Week 19	Week 20	Week 21	Week 22	Week 23	Week 24	Week 25	Week 26	Week 27	Week 28
PHYSICAL TESTS																																	
Leachate Volume Added		mL			1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
Leachate Volume Recovered		mL			926	961	968	974	985	977	1007	1015	1012	982	1004	959	946	949	970	971	973	981	977	985	986	977	977	983	986	982	974	959	965
pH		-	6.0 - 9.0	6.0 - 9.0	7.8	7.3	7.4	7.2	7.6	7.5	7.5	7.2	7.3	7.4	7.4	7.2	7.2	7.1	7.0	6.9	7.1	7.0	6.9	7.0	7.2	7.1	7.1	7.3	7.1	7.1	7.1	6.9	
Conductivity		µS/cm			44	27	22	20	21	19	18	17	17	14	14	16	16	15	16	15	14	17	14	15	13	13	13	14	15	13	16	14	12
ANIONS & NUTRIENTS																																	
Acidity		as CaCO3	mg/L		< 2	< 2	< 2	<2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	2.0	2.0	< 2	< 2	< 2	< 2	< 2	
Alkalinity		as CaCO4	mg/L		12	8.0	8.0	8.0	7.0	7.0	7.0	5.0	7.0	5.0	6.0	5.0	5.0	4.0	5.0	5.0	4.0	4.0	4.0	5.0	4.0	4.0	5.0	4.0	4.0	5.0	4.0	3.0	
Chloride		Cl	mg/L	1000	500	< 1	< 1	< 1	< 1	< 1	---	---	---	---	< 1	---	---	---	< 1	---	---	---	---	< 1	---	---	---	---	< 1	---	---	---	
Fluoride		Fe	mg/L		< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	---	---	---	---	< 0.06	---	---	---	< 0.06	---	---	---	---	< 0.06	---	---	---	---	< 0.06	---	---	---	
Phosphorus		P	mg/L	1	1.5	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	---	---	---	---	< 0.003	---	---	---	< 0.003	---	---	---	---	< 0.003	---	---	---	---	< 0.003	---	---	---	
Sulphate		SO4	mg/L		5.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	
Nitrate (as N)		as N	mg/L	20	50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nitrite (as N)		as N	mg/L		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
NH3+NH4		mg/L	16	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cyanate		OCN	mg/L		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cyanide (total)		CN	mg/L	0.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cyanide (WAD)		CN	mg/L		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thiocyanate		SCN	mg/L		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
DISSOLVED METALS																																	
Aluminum		Al	mg/L	1	1	0.071	0.075	0.080	0.10	0.091	0.083	---	---	---	---	0.070	---	---	---	---	0.057	---	---	---	0.056	---	---	---	---	0.044	---	---	---
Antimony		Sb	mg/L			0.00090	0.00070	0.00070	0.00060	0.00050	0.00040	---	---	---	---	0.00040	---	---	---	---	0.00040	---	---	---	0.00020	---	---	---	---	0.0002	---	---	---
Arsenic		As	mg/L	0.3	0.1	0.025	0.018	0.016	0.021	0.016	0.014	---	---	---	---	0.0096	0.014	---	---	---	0.0078	---	---	---	0.0083	---	---	---	---	0.0066	---	---	---
Barium		Ba	mg/L			0.0011	0.0011	0.00082	0.00071	0.00058	0.00054	---	---	---	---	0.00056	---	---	---	---	0.00055	---	---	---	0.00045	---	---	---	---	0.0006	---	---	---
Beryllium		Be	mg/L			< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	---	---	---	---	< 0.000007	---	---	---	---	< 0.000007	---	---	---	< 0.000007	---	---	---	---	< 0.000007	---	---	---
Bismuth		Bi	mg/L			< 0.000007	0.000016	< 0.000007	< 0.000007	< 0.000007	< 0.000007	---	---	---	---	< 0.000007	---	---	---	---	< 0.000007	---	---	---	< 0.000007	---	---	---	---	< 0.000007	---	---	---
Boron		B	mg/L			0.0014	0.0018	0.0013	0.00080	0.0012	0.00030	---	---	---	---	0.0034	---	---	---	---	0.0012	---	---	---	0.0040	---	---	---	---	< 0.002	---	---	---
Bromide		Br	mg/L			---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium		Cd	mg/L	0.002	0.002	0.000036	0.0000080	0.000014	< 0.000003	< 0.000003	< 0.000003	---	---	---	---	0.0000040	---	---	---	---	< 0.000003	---	---	---	< 0.000003	---	---	---	---	< 0.000003	---	---	---
Calcium		Ca	mg/L			5.2	3.2	2.6	2.7	2.4	2.3	2.5	2.4	2.6	2.3	2.1	2.2	2.2	2.2	2.3	2.1	2.3	2.1	1.7	1.8	1.7	1.7	1.7	1.7	1.7	1.8	1.9	1.7
Chromium		Cr	mg/L			< 0.00003	< 0.00003	< 0.00003	< 0.00003	< 0.00003	< 0.00003	---	---	---	---	< 0.00003	---	---	---	---	0.000050	---	---	---	< 0.00003	---	---	---	---	< 0.00003	---	---	---
Chromium VI		Cr(VI)	mg/L			---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt		Co	mg/L			0.00069	0.00024	0.00020	0.00012	0.000085	0.000096	---	---	---	---	0.000086	---	---	---	---	0.00012	---	---	---	0.00019	---	---	---	---	0.000155	---	---	---
Copper		Cu	mg/L	0.1	0.1	0.00048	0.00049	0.00081	0.00029	0.00019	0.00031	---	---	---	---	0.00032	---	---	---	---	0.00021	---	---	---	0.00017	---	---	---	---	0.00045	---	---	---
Iron		Fe	mg/L			< 0.007	< 0.007	0.0090	< 0.007	< 0.007	< 0.007	---	---	---	---	0.0080	---	---	---	---	0.0090	---	---	---	< 0.007	---	---	---	---	0.011	---	---	---
Lead		Pb	mg/L	0.1	0.1	0.00087	0.00011	0.000070	0.000020	< 0.00001	0.000020	---	---	---	---	0.000030	---	---	---	---	0.000020	---	---	---	0.000010	---	---	---	---	0.00002	---	---	---
Lithium		Li	mg/L			0.00054	0.00046	0.00041	0.00037	0.00033	0.00031	---	---	---	---	0.00027	---	---	---	---	0.00028	---	---	---	0.00024	---	---	---	---	0.000173	---	---	---
Magnesium		Mg	mg/L			0.43	0.26	0.22	0.21	0.18	0.18	---	---	---	---	0.15	---	---	---	---	0.14	---	---	---	0.13	---	---	---	---	0.118	---	---	---
Manganese		Mn	mg/L			0.015	0.011	0.0094	0.0080	0.0078	0.0083	---	---	---	---	0.0090	---	---	---	---	0.011	---	---	---	0.013	---	---	---	---	0.0156	---	---	---
Mercury		Hg	mg/L	0.0004	0.0004	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	---	---	---	---	< 0.00001	---	---	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---	---	< 0.00001	---	---	---
Molybdenum		Mo	mg/L			0.00085	0.00065	0.00041	0.00036</																								

Appendix F-1
Kinetic Testing Results
Waste Rock, Ore, and Tailings
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Parameter			Portage Effluent Criteria ¹	Vault Effluent Criteria ²	Humidity Cell Test Cycle - AMQ-ENV-028 Greywacke (S3c) (Cell Terminated)																									
					Week 0	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15	Week 16	Week 17	Week 18	Week 19	Week 20	Week 21	Week 22	Week 23	Week 24	
PHYSICAL TESTS																														
Leachate Volume Added		mL			1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	900	900	900	900	
Leachate Volume Recovered		mL			928	986	978	985	1002	996	1010	1007	1011	1008	1009	960	952	978	980	986	1003	997	998	1006	1003	887	890	881	898	
pH		-	6.0 - 9.0	6.0 - 9.0	4.6	4.4	4.5	4.4	4.3	4.4	4.5	4.2	4.5	5.3	4.3	4.2	4.2	4.3	4.4	4.4	4.5	4.5	4.6	4.5	4.4	4.3	4.2	4.1	4.1	
Conductivity		µS/cm			238	155	122	118	108	102	110	108	96	73	91	103	126	123	100	91	81	82	47	68	71	76	92	100	102	
ANIONS & NUTRIENTS																														
Acidity		as CaCO3	mg/L		29	17	16	18	16	17	18	19	15	9.0	19	21	30	29	23	18	19	19	13	15	14	16	19	22	21	
Alkalinity		as CaCO4	mg/L		< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2		
Chloride		Cl	mg/L	1000	500	1.0	< 1	< 1	< 1	< 1	---	---	---	---	< 1	---	---	---	---	< 1	---	---	---	---	< 1	< 1	< 1	< 1	< 1	
Fluoride		Fe	mg/L		< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	---	---	---	---	< 0.06	---	---	---	---	< 0.06	---	---	---	---	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	
Phosphorus		P	mg/L	1	1.5	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	---	---	---	---	< 0.003	---	---	---	---	< 0.003	---	---	---	---	< 0.003	< 0.003	0.0030	< 0.003	< 0.003	
Sulphate		SO4	mg/L		97	59	46	44	34	33	37	34	32	26	31	29	41	44	32	28	25	26	20	21	20	21	25	29	27	
Nitrate (as N)		as N	mg/L	20	50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Nitrite (as N)		as N	mg/L		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
NH3+NH4		mg/L	16	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Cyanate		OCN	mg/L		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Cyanide (total)		CN	mg/L	0.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Cyanide (WAD)		CN	mg/L		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Thiocyanate		SCN	mg/L		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
DISSOLVED METALS																														
Aluminum		Al	mg/L	1	1	0.42	0.25	0.19	0.21	0.24	0.25	---	---	---	---	0.27	---	---	---	---	0.12	---	---	---	---	0.090	0.11	0.19	0.31	0.372
Antimony		Sb	mg/L			0.00030	0.00030	0.00050	0.00020	0.00020	< 0.0002	---	---	---	---	0.00020	---	---	---	< 0.0002	---	---	---	---	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	
Arsenic		As	mg/L	0.3	0.1	0.029	0.025	0.022	0.030	0.026	0.022	---	---	---	---	0.019	0.022	---	---	0.0085	0.0083	0.0096	0.0093	0.0082	0.0085	0.0083	0.0096	0.0093	0.0082	
Barium		Ba	mg/L			0.035	0.014	0.0076	0.0078	0.0053	0.0042	---	---	---	---	0.0042	---	---	---	0.0028	---	---	---	---	0.0034	0.0046	0.0038	0.0032	0.00279	
Beryllium		Be	mg/L			0.0011	0.00080	0.00073	0.00090	0.00087	0.00091	---	---	---	---	0.00085	---	---	---	0.00054	---	---	---	---	0.00046	0.00054	0.00071	0.00085	0.00091	
Bismuth		Bi	mg/L			< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	---	---	---	---	< 0.000007	---	---	---	< 0.000007	---	---	---	---	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	
Boron		B	mg/L			0.0029	0.0030	0.0028	0.0024	0.0023	0.0017	---	---	---	---	0.0034	---	---	---	0.0030	---	---	---	---	0.0050	0.0030	0.0030	< 0.002	< 0.002	
Bromide		Br	mg/L			---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Cadmium		Cd	mg/L	0.002	0.002	0.0012	0.00086	0.00065	0.00077	0.00070	0.00068	---	---	---	---	0.00055	---	---	---	0.00044	---	---	---	---	0.00027	0.00027	0.00035	0.00038	0.000362	
Calcium		Ca	mg/L			16	10	5.5	5.1	3.7	3.7	4.2	3.9	3.6	2.3	3.0	2.6	3.4	3.5	2.7	2.3	2.2	2.0	1.6	1.6	1.6	1.8	1.9	1.9	
Chromium		Cr	mg/L			0.00013	0.000090	0.000070	0.000070	0.000080	0.000080	---	---	---	---	0.000070	---	---	---	0.000080	---	---	---	---	< 0.00003	< 0.00003	0.000070	0.000080	0.00009	
Chromium VI		Cr(VI)	mg/L			---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Cobalt		Co	mg/L			0.16	0.11	0.10	0.097	0.081	0.067	---	---	---	---	0.057	---	---	---	0.036	---	---	---	---	0.022	0.023	0.029	0.030	0.0319	
Copper		Cu	mg/L	0.1	0.1	0.15	0.090	0.083	0.082	0.079	0.076	---	---	---	---	0.064	---	---	---	0.039	---	---	---	---	0.029	0.044	0.056	0.061	0.0665	
Iron		Fe	mg/L			10	5.9	4.9	5.9	5.8	5.7	---	---	---	---	6.4	---	---	---	7.3	---	---	---	---	5.0	5.2	5.4	5.5	4.82	
Lead		Pb	mg/L	0.1	0.1	0.0040	0.0032	0.0016	0.0014	0.0013	0.0017	---	---	---	---	0.0015	---	---	---	0.00099	---	---	---	---	0.0010	0.0010	0.0012	0.0014	0.00118	
Lithium		Li	mg/L			0.0094	0.0064	0.0060	0.0058	0.0053	0.0055	---	---	---	---	0.0049	---	---	---	0.0046	---	---	---	---	0.0038	0.0033	0.0043	0.0047	0.00464	
Magnesium		Mg	mg/L			5.3	3.6	2.5	2.6	2.2	2.0	---	---	---	---	1.7	---	---	---	1.4	---	---	---	---	0.88	0.94	1.1	1.1	1.12	
Manganese		Mn	mg/L			3.1	2.3	1.9	2.1	1.8	1.7	---	---	---	---	1.6	---	---	---	1.7	---	---	---	---	1.2	1.1	1.2	1.2	1.23	
Mercury		Hg	mg/L	0.0004	0.0004	< 0.00001	< 0.00001	0.000010	< 0.00001	< 0.00001	< 0.00001	---	---	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---	---	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	
Molybdenum		Mo	mg/L			0.000040	0.00012	0.000030	0.00012	0.000050	0.000090	---	---	---	---	0.000030	---	---	---	0.0018	---	---	---	---	< 0.00001	0.00014	0.000030	0.000010	0.00001	
Nickel		Ni	mg/L	0.2	0.2	0.34	0.25	0.20	0.21	0.18	0.16	---	---	---	---	0.13	---	---	---	0.088	---	---	---	---	0.045	0.048	0.058	0.062	0.0684	
Potassium		K	mg/L			6.0	3.7	2.4	2.4	2.0	1.5	---	---	---	---	1.1	---	---	---	0.63	---	---	---	---	0.46	0.65	0.68	0.60	0.507	
Selenium		Se	mg/L			0.0037	0.0025	0.0020	0.0026	0.0019	0.0016	---	---	---	---	0.0014	---	---	---	0.00088	---	---	---	---	0.00066	0.00066	0.00062	0.00066	0.00061	
Silicon		Si	mg/L			---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Silver		Au	mg/L			< 0.000002	< 0.000002	0.0000020</																						

Appendix F-1
Kinetic Testing Results
Waste Rock, Ore, and Tailings
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Parameter			Portage Effluent Criteria ¹	Vault Effluent Criteria ²	Humidity Cell Test Cycle - AMQ-ENV-040 Greywacke (S3c)																													
					Week 0	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15	Week 16	Week 17	Week 18	Week 19	Week 20	Week 21	Week 22	Week 23	Week 24	Week 25	Week 26	Week 27	Week 28	
PHYSICAL TESTS																																		
Leachate Volume Added		mL			1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000		
Leachate Volume Recovered		mL			936	980	986	987	1004	989	1014	1006	1014	1001	1007	977	961	964	978	976	978	984	979	979	981	995	1003	1010	1008	1005	1002	979	985	
pH		-	6.0 - 9.0	6.0 - 9.0	7.3	6.8	6.7	7.1	7.0	7.0	6.9	6.8	7.1	6.9	6.5	6.7	6.6	6.6	6.5	6.2	6.4	6.3	6.2	6.4	6.2	6.4	6.4	6.4	6.6	6.5	6.3	6.3	6.2	
Conductivity		µS/cm			85	68	42	34	31	28	27	29	24	19	18	23	24	25	27	29	26	28	22	26	29	28	26	27	33	22	22	26	24	
ANIONS & NUTRIENTS																																		
Acidity		as CaCO3	mg/L		< 2	2.0	2.0	3.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	2.0	2.0	< 2	2.0	< 2	3.0	3.0	< 2	2.0	< 2	< 2	< 2	2.0	< 2	4	< 2	4	4.0	
Alkalinity		as CaCO4	mg/L		6.0	4.0	3.0	3.0	3.0	4.0	3.0	4.0	4.0	3.0	2.0	2.0	2.0	< 2	< 2	3.0	< 2	2.0	< 2	2.0	< 2	< 2	< 2	< 2	2.0	< 2	< 2	< 2		
Chloride		Cl	mg/L	1000	500	2.0	2.0	1.0	< 1	< 1	< 1	---	---	---	< 1	---	---	---	---	< 1	---	---	---	---	< 1	---	---	---	< 1	---	---	---		
Fluoride		Fe	mg/L		< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	---	---	---	---	< 0.06	---	---	---	< 0.06	---	---	---	---	---	< 0.06	---	---	---	< 0.06	---	---	---		
Phosphorus		P	mg/L	1	1.5	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	---	---	---	< 0.003	---	---	---	< 0.003	---	---	---	---	---	< 0.003	---	---	---	< 0.003	---	---	---		
Sulphate		SO4	mg/L		21	18	11	8.0	7.0	6.0	6.0	6.0	5.0	4.0	5.0	5.0	6.0	7.0	8.0	8.0	7.0	8.0	6.0	7.0	8.0	7.0	8.0	8.0	5.0	6.0	7.0	7.0		
Nitrate (as N)		as N	mg/L	20	50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Nitrite (as N)		as N	mg/L		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
NH3+NH4		mg/L	16	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Cyanate		OCN	mg/L		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Cyanide (total)		CN	mg/L	0.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Cyanide (WAD)		CN	mg/L		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Thiocyanate		SCN	mg/L		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
DISSOLVED METALS																																		
Aluminum		Al	mg/L	1	1	0.010	0.010	0.0090	0.012	0.010	0.0080	---	---	---	---	0.0080	---	---	---	---	0.0030	---	---	---	---	< 0.001	---	---	---	---	0.003	---	---	---
Antimony		Sb	mg/L			0.00060	0.00050	0.00050	0.00040	0.00040	0.00030	---	---	---	---	0.00030	---	---	---	---	0.00030	---	---	---	---	< 0.0002	---	---	---	< 0.0002	---	---	---	
Arsenic		As	mg/L	0.3	0.1	0.0030	0.0030	0.0028	0.0039	0.0033	0.0032	---	---	---	---	0.0022	---	---	---	---	0.0031	---	---	---	---	0.0029	---	---	---	---	0.003	---	---	---
Barium		Ba	mg/L			0.0044	0.0038	0.0020	0.0016	0.0012	0.0011	---	---	---	---	0.00075	---	---	---	---	0.0010	---	---	---	---	0.00074	---	---	---	---	0.00066	---	---	---
Beryllium		Be	mg/L			< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	---	---	---	---	0.0000090	---	---	---	---	0.000016	---	---	---	---	0.000017	---	---	---	---	0.000015	---	---	---
Bismuth		Bi	mg/L			< 0.000007	0.0000070	< 0.000007	< 0.000007	< 0.000007	< 0.000007	---	---	---	---	< 0.000007	---	---	---	---	0.0000090	---	---	---	---	< 0.000007	---	---	---	< 0.000007	---	---	---	
Boron		B	mg/L			0.0068	0.0083	0.0079	0.0079	0.0063	0.0064	---	---	---	---	0.0030	---	---	---	---	0.0067	---	---	---	---	0.0090	---	---	---	---	0.005	---	---	---
Bromide		Br	mg/L			---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium		Cd	mg/L	0.002	0.002	0.0000060	< 0.000003	0.0000050	< 0.000003	< 0.000003	< 0.000003	---	---	---	< 0.000003	---	---	---	---	---	0.0000030	---	---	---	---	0.0000080	---	---	---	< 0.000003	---	---	---	
Calcium		Ca	mg/L			2.8	2.9	1.5	1.1	0.86	0.82	0.89	1.1	0.97	0.65	0.79	0.96	1.1	1.3	1.4	1.3	1.2	1.1	1.3	1.3	1.1	1.1	1.8	1.01	0.96	1.30	1.13		
Chromium		Cr	mg/L			< 0.00003	< 0.00003	< 0.00003	< 0.00003	< 0.00003	< 0.00003	---	---	---	---	< 0.00003	---	---	---	---	0.000040	---	---	---	---	< 0.00003	---	---	---	< 0.00003	---	---	---	
Chromium VI		Cr(VI)	mg/L			---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Cobalt		Co	mg/L			0.00012	0.00012	0.000099	0.000072	0.000089	0.00013	---	---	---	---	0.00020	---	---	---	---	0.00075	---	---	---	---	0.00092	---	---	---	---	0.000686	---	---	---
Copper		Cu	mg/L	0.1	0.1	0.00059	0.00049	0.00031	0.00024	0.00024	0.00027	---	---	---	---	0.00017	---	---	---	---	0.00018	---	---	---	---	0.00016	---	---	---	---	0.00058	---	---	---
Iron		Fe	mg/L			0.013	0.011	0.0090	0.010	0.011	0.010	---	---	---	---	0.017	---	---	---	---	0.089	---	---	---	---	0.12	---	---	---	---	0.093	---	---	---
Lead		Pb	mg/L	0.1	0.1	0.00019	0.00011	0.000020	0.000030	< 0.00001	0.000020	---	---	---	---	< 0.00001	---	---	---	---	< 0.00001	---	---	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---	
Lithium		Li	mg/L			0.00024	0.00027	0.00023	0.00018	0.00015	0.00018	---	---	---	---	0.00015	---	---	---	---	0.00025	---	---	---	---	0.00025	---	---	---	---	0.000193	---	---	---
Magnesium		Mg	mg/L			0.46	0.49	0.27	0.21	0.17	0.18	---	---	---	---	0.18	---	---	---	---	0.43	---	---	---	---	0.46	---	---	---	---	0.349	---	---	---
Manganese		Mn	mg/L			0.0095	0.010	0.0075	0.0066	0.0069	0.0090	---	---	---	---	0.013	---	---	---	---	0.054	---	---	---	---	0.081	---	---	---	---	0.0702	---	---	---
Mercury		Hg	mg/L	0.0004	0.0004	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	---	---	---	---	< 0.00001	---	---	---	---	< 0.00001	---	---	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---	

Appendix F-1
Kinetic Testing Results
Waste Rock, Ore, and Tailings
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Parameter			Portage Effluent Criteria ¹	Vault Effluent Criteria ²	Humidity Cell Test Cycle - AMQ-ENV-037 Greywacke (S3c)																													
					Week 0	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15	Week 16	Week 17	Week 18	Week 19	Week 20	Week 21	Week 22	Week 23	Week 24	Week 25	Week 26	Week 27	Week 28	
PHYSICAL TESTS																																		
Leachate Volume Added		mL			1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000		
Leachate Volume Recovered		mL			938	966	972	986	989	999	996	996	1005	992	1005	964	951	970	986	988	1003	997	1000	1003	1004	989	996	1004	994	1008	1002	994	992	
pH		-	6.0 - 9.0	6.0 - 9.0	7.3	7.3	7.4	7.6	7.4	7.4	7.4	7.2	7.5	7.4	7.3	7.2	7.2	7.1	7.1	7.0	7.2	7.1	6.9	7.0	7.2	7.2	7.0	7.3	7.1	7.0	7.1	7.0		
Conductivity		µS/cm			30	20	19	18	20	18	16	14	15	14	13	12	12	13	13	14	12	13	12	14	11	13	12	18	11	11	12	12	10	
ANIONS & NUTRIENTS																																		
Acidity		as CaCO3	mg/L		< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2		
Alkalinity		as CaCO4	mg/L		10	7.0	7.0	8.0	8.0	8.0	7.0	6.0	7.0	6.0	6.0	5.0	5.0	6.0	6.0	6.0	6.0	5.0	5.0	5.0	5.0	5.0	5.0	6.0	5.0	5.0	4.0	4.0		
Chloride		Cl	mg/L	1000	500	< 1	< 1	< 1	< 1	< 1	---	---	---	---	< 1	---	---	---	< 1	---	---	---	---	---	< 1	---	---	---	< 1	---	---	---	---	
Fluoride		Fe	mg/L		< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	---	---	---	---	< 0.06	---	---	---	< 0.06	---	---	---	---	---	< 0.06	---	---	---	---	< 0.06	---	---	---	
Phosphorus		P	mg/L	1	1.5	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	---	---	---	---	< 0.0050	---	---	---	< 0.003	---	---	---	---	---	< 0.003	---	---	---	---	< 0.003	---	---	---	
Sulphate		SO4	mg/L		2.0	1.0	2.0	2.0	2.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0	2.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	1.0	
Nitrate (as N)		as N	mg/L	20	50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Nitrite (as N)		as N	mg/L		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
NH3+NH4		mg/L	16	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Cyanate		OCN	mg/L		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Cyanide (total)		CN	mg/L	0.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Cyanide (WAD)		CN	mg/L		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Thiocyanate		SCN	mg/L		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
DISSOLVED METALS																																		
Aluminum		Al	mg/L	1	1	0.061	0.061	0.053	0.076	0.064	0.061	---	---	---	---	0.063	---	---	---	---	0.049	---	---	---	---	0.050	---	---	---	---	0.037	---	---	---
Antimony		Sb	mg/L			0.0016	0.0012	0.0022	0.0021	0.0016	0.0013	---	---	---	---	0.00080	---	---	---	---	0.00070	---	---	---	---	0.00050	---	---	---	---	0.0004	---	---	---
Arsenic		As	mg/L	0.3	0.1	0.080	0.050	0.046	0.053	0.038	0.034	---	---	---	---	0.022	0.034	---	---	---	0.021	---	---	---	---	0.019	---	---	---	---	0.0152	---	---	---
Barium		Ba	mg/L			0.00069	0.00051	0.00037	0.00042	0.00037	0.00039	---	---	---	---	0.00033	---	---	---	---	0.00041	---	---	---	---	0.00023	---	---	---	---	0.00028	---	---	---
Beryllium		Be	mg/L			< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	---	---	---	---	< 0.000007	---	---	---	---	< 0.000007	---	---	---	---	< 0.000007	---	---	---	---	< 0.000007	---	---	---
Bismuth		Bi	mg/L			< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	---	---	---	---	< 0.000007	---	---	---	---	< 0.000007	---	---	---	---	< 0.000007	---	---	---	---	< 0.000007	---	---	---
Boron		B	mg/L			0.0022	0.0019	0.0025	0.0020	0.0015	0.00090	---	---	---	---	< 0.0002	---	---	---	---	0.0014	---	---	---	---	0.0030	---	---	---	---	< 0.002	---	---	---
Bromide		Br	mg/L			---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium		Cd	mg/L	0.002	0.002	0.000016	0.0000040	0.0000030	< 0.000003	< 0.000003	< 0.000003	---	---	---	---	< 0.000003	---	---	---	---	< 0.000003	---	---	---	---	< 0.000003	---	---	---	---	< 0.000003	---	---	---
Calcium		Ca	mg/L			3.6	2.3	2.1	2.6	2.3	2.2	2.1	2.0	2.3	2.0	2.0	1.6	1.7	2.0	1.9	1.8	1.9	1.8	1.6	1.7	1.7	1.5	1.6	1.6	1.5	1.6	1.8	1.6	
Chromium		Cr	mg/L			< 0.00003	< 0.00003	0.0024	< 0.00003	< 0.00003	< 0.00003	---	---	---	---	< 0.00003	---	---	---	---	0.000040	---	---	---	---	< 0.00003	---	---	---	---	< 0.00003	---	---	---
Chromium VI		Cr(VI)	mg/L			---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt		Co	mg/L			0.00017	0.000092	0.00014	0.000079	0.000066	0.000077	---	---	---	---	0.000065	---	---	---	---	0.000053	---	---	---	---	0.000087	---	---	---	---	0.00007	---	---	---
Copper		Cu	mg/L	0.1	0.1	0.00031	0.00029	0.00016	0.00018	0.00025	0.00014	---	---	---	---	0.00025	---	---	---	---	0.00026	---	---	---	---	0.00010	---	---	---	---	0.00051	---	---	---
Iron		Fe	mg/L			0.0080	0.0070	< 0.007	< 0.007	< 0.007	< 0.007	---	---	---	---	< 0.007	---	---	---	---	< 0.007	---	---	---	---	< 0.007	---	---	---	---	< 0.007	---	---	---
Lead		Pb	mg/L	0.1	0.1	0.00017	0.000050	0.000040	< 0.00001	< 0.00001	< 0.00001	---	---	---	---	< 0.00001	---	---	---	---	< 0.00001	---	---	---	---	< 0.00001	---	---	---	---	< 0.00001	---	---	---
Lithium		Li	mg/L			0.00058	0.00041	0.00041	0.00038	0.00033	0.00030	---	---	---	---	0.00020	---	---	---	---	0.00021	---	---	---	---	0.00016	---	---	---	---	0.000115	---	---	---
Magnesium		Mg	mg/L			0.34	0.23	0.24	0.26	0.22	0.23	---	---	---	---	0.18	---	---	---	---	0.17	---	---	---	---	0.14	---	---	---	---	0.122	---	---	---
Manganese		Mn	mg/L			0.023	0.017	0.015	0.016	0.014	0.015	---	---	---	---	0.014	---	---	---	---	0.011	---	---	---	---	0.013	---	---	---	---	0.0152	---	---	---
Mercury		Hg	mg/L	0.0004	0.0004	< 0.00001	< 0.00001	0.000010	< 0.00001	< 0.00001	< 0.00001	---	---	---	---	< 0.00001	---	---	---	---	< 0.00001	---	---	---	---	< 0								

Appendix F-1
Kinetic Testing Results
Waste Rock, Ore, and Tailings
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Parameter			Portage Effluent Criteria ¹	Vault Effluent Criteria ²	Humidity Cell Test Cycle - AMQ-ENV-114 Intermediate Intrusive (8b)																												
					Week 0	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15	Week 16	Week 17	Week 18	Week 19	Week 20	Week 21	Week 22	Week 23	Week 24	Week 25	Week 26	Week 27	Week 28
PHYSICAL TESTS																																	
Leachate Volume Added		mL			1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
Leachate Volume Recovered		mL			921	959	955	967	981	988	983	992	999	987	991	972	954	954	988	987	987	995	988	999	995	974	969	978	991	998	1000	1000	999
pH		-	6.0 - 9.0	6.0 - 9.0	7.5	7.0	7.1	7.4	7.3	7.2	7.2	6.9	7.1	7.1	6.9	6.9	6.8	6.8	6.8	6.8	6.7	6.7	6.6	6.6	6.8	6.6	6.7	6.8	6.7	6.9	6.9	6.9	6.8
Conductivity		µS/cm			34	20	15	16	18	15	13	8.0	11	10	7.0	9.0	7.0	7.0	10	11	9.0	15	8.0	11	9.0	9.0	10	11	10	10.0	10.0	10	8
ANIONS & NUTRIENTS																																	
Acidity		as CaCO3	mg/L		< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	
Alkalinity		as CaCO4	mg/L		7.0	5.0	4.0	5.0	5.0	5.0	4.0	4.0	4.0	4.0	3.0	4.0	3.0	3.0	2.0	3.0	2.0	4.0	2.0	2.0	3.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	
Chloride		Cl	mg/L	1000	500	< 1	< 1	< 1	< 1	< 1					< 1				< 1					< 1					< 1				
Fluoride		Fe	mg/L		< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06					< 0.06				< 0.06					< 0.06					< 0.06				
Phosphorus		P	mg/L	1	1.5	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003					< 0.003				< 0.003					< 0.003					< 0.003				
Sulphate		SO4	mg/L		4.0	3.0	2.0	3.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	
Nitrate (as N)		as N	mg/L	20	50																												
Nitrite (as N)		as N	mg/L																														
NH3+NH4		mg/L	16	20																													
Cyanate		OCN	mg/L																														
Cyanide (total)		CN	mg/L	0.5																													
Cyanide (WAD)		CN	mg/L																														
Thiocyanate		SCN	mg/L																														
DISSOLVED METALS																																	
Aluminum		Al	mg/L	1	1	0.062	0.064	0.062	0.072	0.057	0.050					0.048									0.026					0.022			
Antimony		Sb	mg/L		0.00060	0.00050	0.00050	0.00060	0.00070	0.00060					0.00040					0.00030					< 0.0002				0.0002				
Arsenic		As	mg/L	0.3	0.1	0.012	0.0083	0.0068	0.0089	0.0070	0.0062				0.0045					0.0027					0.0023				0.0024				
Barium		Ba	mg/L		0.0047	0.0033	0.0022	0.0023	0.0024	0.0024					0.0018					0.0022					0.0017				0.00199				
Beryllium		Be	mg/L		< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007					< 0.000007					< 0.000007					< 0.000007				< 0.000007				
Bismuth		Bi	mg/L		< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007					< 0.000007					< 0.000007					< 0.000007				< 0.000007				
Boron		B	mg/L		0.0022	0.0019	0.0018	0.0019	0.0017	0.0012					< 0.0002					0.0011					< 0.002				< 0.002				
Bromide		Br	mg/L																														
Cadmium		Cd	mg/L	0.002	0.002	0.0000040	< 0.000003	0.0000030	< 0.000003	< 0.000003	< 0.000003				< 0.000003					0.0000030					0.0000030				< 0.000003				
Calcium		Ca	mg/L		3.4	1.8	1.3	1.6	1.5	1.4	1.3	1.2	1.3	1.1	1.1	0.97	0.95	1.0	1.1	0.95	1.0	0.94	0.82	0.95	0.86	0.79	0.93	1.0	1.0	1.02	1.2	1.1	1.03
Chromium		Cr	mg/L		< 0.00003	0.000030	< 0.00003	< 0.00003	< 0.00003	< 0.00003					< 0.00003					< 0.00003					< 0.00003				< 0.00003				
Chromium VI		Cr(VI)	mg/L																														
Cobalt		Co	mg/L		0.00010	0.00013	0.00015	0.00010	0.00011	0.00012					0.00010					0.00034					0.00030				0.000206				
Copper		Cu	mg/L	0.1	0.1	0.00043	0.00039	0.00036	0.00015	0.00013	0.00026				0.00018					0.00031					0.00013				0.00036				
Iron		Fe	mg/L		0.0090	0.011	0.0090	< 0.007	< 0.007	< 0.007					< 0.007					< 0.007					< 0.007				< 0.007				
Lead		Pb	mg/L	0.1	0.1	0.000050	0.000050	0.000030	< 0.00001	< 0.00001	< 0.00001				< 0.00001					0.000010					< 0.00001				0.00002				
Lithium		Li	mg/L		0.0012	0.0010	0.00092	0.00085	0.00079	0.00074					0.00052					0.00061					0.00057				0.000423				
Magnesium		Mg	mg/L		0.33	0.20	0.15	0.19	0.17	0.16					0.11					0.11					0.097				0.111				
Manganese		Mn	mg/L		0.0038	0.0026	0.0019	0.0024	0.0023	0.0025					0.0030					0.0039					0.0045				0.00671				
Mercury		Hg	mg/L	0.0004	0.0004	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.000010	< 0.00001				< 0.00001					< 0.00001					< 0.00001				< 0.00001				
Molybdenum		Mo	mg/L		0.0061	0.0032	0.0026	0.0020	0.0018	0.0013					0.00055					0.00085					0.00011				0.00017				
Nickel		Ni	mg/L	0.2	0.2	0.0011	0.00050	0.00030	0.00040	0.00020	0.00020				0.00010					0.00040					0.00030				0.0002				
Potassium		K	mg/L		2.8	1.8	1.3	1.5	1.2	1.1					0.88					0.79					0.68				0.643				
Selenium		Se	mg/L		0.00024	0.00011	0.000090	0.000090	0.000080	< 0.00004					< 0.00004					0.000070					< 0.00004				0.00004				
Silicon		Si	mg/L																														
Silver		Au	mg/L		0.0000020	< 0.000002	< 0.000002	< 0.000002	< 0.000002	< 0.000002					< 0.000002					< 0.000002					< 0.000002				< 0.000002				
Sodium		Na	mg/L		0.55	0.25	0.17	0.16	0.11	0.090					0.040					0.060													

Appendix F-1
Kinetic Testing Results
Waste Rock, Ore, and Tailings
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Parameter			Portage Effluent Criteria ¹	Vault Effluent Criteria ²	Humidity Cell Test Cycle - AMQ-ENV-043 Iron Formation (S9e)																													
					Week 0	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15	Week 16	Week 17	Week 18	Week 19	Week 20	Week 21	Week 22	Week 23	Week 24	Week 25	Week 26	Week 27	Week 28	
PHYSICAL TESTS																																		
Leachate Volume Added		mL			1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000		
Leachate Volume Recovered		mL			876	956	950	962	968	950	971	991	1003	985	991	954	930	924	966	970	967	981	980	971	1009	1008	1016	1004	1010	1000	994	952	959	947
pH		-	6.0 - 9.0	6.0 - 9.0	8.2	8.0	7.8	8.2	7.7	7.7	7.6	7.5	7.5	7.6	7.5	7.6	7.3	7.5	7.6	7.3	7.3	7.5	7.2	7.3	7.6	7.6	7.4	7.5	7.4	7.4	7.4	7.0		
Conductivity		µS/cm			49	61	45	38	37	32	31	30	32	28	26	26	23	21	24	25	22	26	22	24	31	28	24	25	23	22	19	21	21	
ANIONS & NUTRIENTS																																		
Acidity		as CaCO3	mg/L		< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2		
Alkalinity		as CaCO4	mg/L		14	15	12	13	11	10	10	11	14	10	10	8.0	8.0	10	10	8.0	10	11	9.0	13	12	9.0	10	9.0	8	7	8.0	6.0		
Chloride		Cl	mg/L	1000	500	2.0	3.0	< 1	< 1	< 1	< 1	---	---	---	< 1	---	---	---	< 1	---	---	---	---	< 1	---	---	---	---	< 1	---	---	---	---	
Fluoride		Fe	mg/L		< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	---	---	---	---	< 0.06	---	---	---	< 0.06	---	---	---	---	< 0.06	---	---	---	---	< 0.06	---	---	---	---	
Phosphorus		P	mg/L	1	1.5	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	---	---	---	---	0.0030	---	---	< 0.003	---	---	---	---	< 0.003	---	---	---	---	< 0.003	---	---	---	---	
Sulphate		SO4	mg/L		3.0	7.0	6.0	4.0	4.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	2.0	1.0	2.0	2.0	1.0		
Nitrate (as N)		as N	mg/L	20	50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Nitrite (as N)		as N	mg/L		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
NH3+NH4			mg/L	16	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Cyanate		OCN	mg/L		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Cyanide (total)		CN	mg/L	0.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Cyanide (WAD)		CN	mg/L		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Thiocyanate		SCN	mg/L		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
DISSOLVED METALS																																		
Aluminum		Al	mg/L	1	1	0.018	0.011	0.010	0.011	0.0090	0.011	---	---	---	---	0.010	---	---	---	---	0.0080	---	---	---	---	0.0050	---	---	---	---	0.007	---	---	---
Antimony		Sb	mg/L			0.0062	0.018	0.011	0.012	0.011	0.0074	---	---	---	---	0.0070	---	---	---	---	0.0052	---	---	---	---	0.0063	---	---	---	---	0.0030	---	---	---
Arsenic		As	mg/L	0.3	0.1	0.45	2.3	1.8	2.2	1.8	1.3	---	---	---	---	1.1	---	---	---	---	0.95	---	---	---	---	1.6	---	---	---	0.8	---	---	---	
Barium		Ba	mg/L			0.0013	0.0019	0.0017	0.0018	0.0018	0.0017	---	---	---	---	0.0018	---	---	---	---	0.0016	---	---	---	---	0.0024	---	---	---	0.0016	---	---	---	
Beryllium		Be	mg/L			< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	---	---	---	---	< 0.000007	---	---	---	< 0.000007	---	---	---	---	< 0.000007	---	---	---	< 0.000007	---	---	---		
Bismuth		Bi	mg/L			< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	---	---	---	---	< 0.000007	---	---	---	< 0.000007	---	---	---	---	< 0.000007	---	---	---	< 0.000007	---	---	---		
Boron		B	mg/L			0.032	0.047	0.029	0.021	0.015	0.0096	---	---	---	---	0.0027	---	---	---	---	0.0036	---	---	---	---	0.0020	---	---	---	< 0.002	---	---	---	
Bromide		Br	mg/L			---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Cadmium		Cd	mg/L	0.002	0.002	0.0000080	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	---	---	---	---	< 0.000003	---	---	---	< 0.000003	---	---	---	---	< 0.000003	---	---	---	< 0.000003	---	---	---	---	
Calcium		Ca	mg/L			3.0	3.4	2.7	3.1	2.9	2.6	2.6	2.8	3.3	2.4	2.7	2.5	2.3	2.3	2.4	2.4	2.4	2.3	2.2	2.2	3.4	2.9	2.3	2.5	2.4	2.3	1.9		
Chromium		Cr	mg/L			0.00064	0.00034	0.00028	0.00026	0.00025	0.00032	---	---	---	---	0.00020	---	---	---	---	0.00023	---	---	---	---	0.00016	---	---	---	0.00020	---	---	---	
Chromium VI		Cr(VI)	mg/L			---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Cobalt		Co	mg/L			0.00083	0.0014	0.00069	0.00038	0.00031	0.00030	---	---	---	---	0.00030	---	---	---	---	0.00023	---	---	---	---	0.00035	---	---	---	0.00030	---	---	---	
Copper		Cu	mg/L	0.1	0.1	0.00042	0.00027	0.00022	0.00028	0.000030	0.00026	---	---	---	---	0.000080	---	---	---	0.00021	---	---	---	---	0.000040	---	---	---	0.000400	---	---	---	---	
Iron		Fe	mg/L			0.018	0.0090	0.011	0.0090	0.010	0.013	---	---	---	---	0.010	---	---	---	0.0090	---	---	---	---	< 0.007	---	---	---	0.010	---	---	---	---	
Lead		Pb	mg/L	0.1	0.1	0.00010	0.000050	< 0.00001	< 0.00001	< 0.00001	< 0.00001	---	---	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---	---	
Lithium		Li	mg/L			0.00034	0.00049	0.00049	0.00045	0.00047	0.00044	---	---	---	---	0.00045	---	---	---	0.00046	---	---	---	---	0.00068	---	---	---	0.00037	---	---	---	---	
Magnesium		Mg	mg/L			0.70	1.1	0.96	1.0	0.95	0.87	---	---	---	---	0.88	---	---	---	0.73	---	---	---	---	1.1	---	---	---	0.63	---	---	---	---	
Manganese		Mn	mg/L			0.0090	0.010	0.0074	0.0067	0.0064	0.0055	---	---	---	---	0.0062	---	---	---	0.0048	---	---	---	---	0.0074	---	---	---	0.0056	---	---	---	---	
Mercury		Hg	mg/L	0.0004	0.0004	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	---	---	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---	---	
Molybdenum		Mo	mg/L			0.00043	0.00049	0.00029	0.00038	0.00027	0.00017	---	---	---	---	0.000060	---	---	---	0.00051	---	---	---	---	< 0.00001	---	---	---	< 0.00001	---				

Appendix F-1
Kinetic Testing Results
Waste Rock, Ore, and Tailings
Whale Tail Deposit
Agnico Eagle Mines Limited - Meadowbank Division

Parameter			Portage Effluent Criteria ¹	Vault Effluent Criteria ²	Humidity Cell Test Cycle - AMQ-ENV-032 Ultramafic (0a)																													
					Week 0	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15	Week 16	Week 17	Week 18	Week 19	Week 20	Week 21	Week 22	Week 23	Week 24	Week 25	Week 26	Week 27	Week 28	
PHYSICAL TESTS																																		
Leachate Volume Added		mL			1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000			
Leachate Volume Recovered		mL			900	965	1002	1011	982	968	995	1016	1005	1002	1007	964	930	917	967	978	970	984	966	966	935	994	1005	999	1001	1001	1003	1004	1000	
pH		-	6.0 - 9.0	6.0 - 9.0	7.3	8.0	7.5	8.0	7.8	7.8	7.5	7.6	7.8	7.8	7.5	7.7	7.5	7.5	7.4	7.3	7.5	7.5	7.2	7.4	7.5	7.5	7.4	7.4	7.3	7.4	7.4	7.1		
Conductivity		µS/cm			43	51	41	36	34	33	29	29	30	30	27	27	25	24	25	26	24	26	22	25	26	25	26	26	24	23	24	23	18	
ANIONS & NUTRIENTS																																		
Acidity		as CaCO3	mg/L		< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2			
Alkalinity		as CaCO4	mg/L		10	14	12	12	10	10	11	11	11	11	10	10	8.0	11	10	10	9.0	10	9.0	9.0	10	9.0	10	10	9.0	8	9	8.0	7	
Chloride		Cl	mg/L	1000	500	2.0	2.0	2.0	1.0	< 1	< 1	---	---	---	< 1	---	---	---	---	< 1	---	---	---	---	< 1	---	---	---	< 1	---	---	---		
Fluoride		Fe	mg/L		< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	---	---	---	< 0.06	---	---	---	---	< 0.06	---	---	---	---	< 0.06	---	---	---	< 0.06	---	---	---		
Phosphorus		P	mg/L	1	1.5	0.0030	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	---	---	---	---	0.0080	---	---	---	< 0.003	---	---	---	---	0.0030	---	---	---	< 0.003	---	---	---		
Sulphate		SO4	mg/L		2.0	3.0	3.0	3.0	2.0	2.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	2.0	2.0	24	1.0	1.0	2.0	2.0	2.0	1.0		
Nitrate (as N)		as N	mg/L	20	50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Nitrite (as N)		as N	mg/L		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
NH3+NH4		mg/L	16	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Cyanate		OCN	mg/L		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Cyanide (total)		CN	mg/L	0.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Cyanide (WAD)		CN	mg/L		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Thiocyanate		SCN	mg/L		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
DISSOLVED METALS																																		
Aluminum		Al	mg/L	1	1	0.010	0.0070	0.0040	0.0040	0.0070	0.0090	---	---	---	0.0070	---	---	---	---	0.0050	---	---	---	---	0.0050	---	---	---	---	0.0020	---	---	---	
Antimony		Sb	mg/L			0.0063	0.014	0.024	0.025	0.013	0.010	---	---	---	0.0091	---	---	---	---	0.0070	---	---	---	---	0.0051	---	---	---	---	0.0047	---	---	---	
Arsenic		As	mg/L	0.3	0.1	0.13	0.71	1.7	2.4	1.6	1.4	---	---	---	---	---	---	---	---	1.1	---	---	---	---	1.1	---	---	---	---	1.1	---	---	---	
Barium		Ba	mg/L			0.0045	0.0064	0.0045	0.0045	0.0041	0.0037	---	---	---	0.0034	---	---	---	---	0.0026	---	---	---	---	0.0026	---	---	---	---	0.0034	---	---	---	
Beryllium		Be	mg/L			< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	---	---	---	< 0.000007	---	---	---	---	< 0.000007	---	---	---	---	< 0.000007	---	---	---	< 0.000007	---	---	---		
Bismuth		Bi	mg/L			< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	---	---	---	< 0.000007	---	---	---	---	< 0.000007	---	---	---	---	< 0.000007	---	---	---	< 0.000007	---	---	---		
Boron		B	mg/L			0.0030	0.0040	0.0035	0.0040	0.0024	0.0016	---	---	---	< 0.0002	---	---	---	---	0.0013	---	---	---	---	< 0.002	---	---	---	< 0.002	---	---	---		
Bromide		Br	mg/L			---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Cadmium		Cd	mg/L	0.002	0.002	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	---	---	---	< 0.000003	---	---	---	---	0.0000040	---	---	---	< 0.000003	---	---	---	---	< 0.000003	---	---	---		
Calcium		Ca	mg/L			3.1	2.9	2.1	2.3	2.1	2.2	2.0	2.1	2.3	2.1	2.2	1.9	1.8	1.9	2.0	1.9	2.0	1.7	1.6	1.7	1.8	2.0	2.1	2.1	2.1	2.1	2.2	2.3	2.5
Chromium		Cr	mg/L			0.00026	0.00016	0.00027	0.00026	0.00025	0.00030	---	---	---	0.00015	---	---	---	---	0.00017	---	---	---	---	0.00018	---	---	---	< 0.00003	---	---	---	---	
Chromium VI		Cr(VI)	mg/L			---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Cobalt		Co	mg/L			0.00011	0.00024	0.00035	0.00029	0.00019	0.00019	---	---	---	0.00023	---	---	---	---	0.00017	---	---	---	---	0.00020	---	---	---	---	0.00032	---	---	---	
Copper		Cu	mg/L	0.1	0.1	0.00045	0.00041	0.00061	0.00019	0.00018	0.0017	---	---	---	0.00023	---	---	---	---	0.00020	---	---	---	---	0.000050	---	---	---	---	0.00037	---	---	---	
Iron		Fe	mg/L			< 0.007	< 0.007	< 0.007	< 0.007	0.0080	0.0090	---	---	---	< 0.007	---	---	---	---	< 0.007	---	---	---	---	0.0070	---	---	---	< 0.007	---	---	---	---	
Lead		Pb	mg/L	0.1	0.1	0.000040	0.000030	< 0.00001	< 0.00001	< 0.00001	0.00011	---	---	---	< 0.00001	---	---	---	---	< 0.00001	---	---	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---	---	
Lithium		Li	mg/L			0.00013	0.00027	0.00037	0.00034	0.00030	0.00031	---	---	---	0.00033	---	---	---	---	0.00038	---	---	---	---	0.00040	---	---	---	---	0.00037	---	---	---	
Magnesium		Mg	mg/L			1.1	1.2	0.98	0.97	0.77	0.74	---	---	---	0.70	---	---	---	---	0.54	---	---	---	---	0.52	---	---	---	---	0.59	---	---	---	
Manganese		Mn	mg/L			0.0068	0.0065	0.0074	0.0061	0.0052	0.0045	---	---	---	0.0061	---	---	---	---	0.0038	---	---	---	---	0.0027	---	---	---	---	0.0037	---	---	---	
Mercury		Hg	mg/L	0.0004	0.0004	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	---	---	---	< 0.00001	---	---	---	---	< 0.00001	---	---	---	---	< 0.00001	---	---	---	< 0.00001	---	---	---	---	
Molybdenum		Mo	mg/L			0.00028	0.00019	0.000060	0.00015	0.00010	0.000050	---	---	---	0.000030	---	---	---	---	0.00036	---	---	---	---	< 0.00001	---	---	---	< 0.00001	---	---			