

Appendix I
North Rock Property
List of the claims
MetalCorp Ltd.
2006

CLAIM NUMBER	TOWNSHIP	# OF UNITS	SIZE Ha/a	RECORD DATE	DUE DATE	WORK REQUIRED	OWNERSHIP
1178125	Halkirk	2	32Ha/80a	2001-Oct-02	2008-Oct-02	\$800.00	Cousineau
1178889	Halkirk	2	32Ha/80a	1998-Feb-23	2008-Feb-23	\$800.00	Cousineau
1199262	Halkirk	1	16Ha/40a	2002-Apr-30	2008-Apr-30	\$400.00	Cousineau
1199263	Halkirk	3	48Ha/120a	2002-Dec-02	2007-Dec-02	\$1,200.00	Cousineau
1199264	Halkirk	15	240Ha/600a	2002-Dec-02	2006-Dec-02	\$6,000.00	Cousineau
1214877	Halkirk	2	32Ha/80a	2000-Jun-08	2008-Jun-08	\$800.00	Cousineau
1214878	Halkirk	2	32Ha/80a	2000-Oct-27	2008-Oct-27	\$800.00	Cousineau
1230786	Halkirk	4	64Ha/160a	1999-May-04	2007-May-04	\$1,600.00	Cousineau
1237557	Halkirk	6	96Ha/240a	2000-Mar-13	2007-Mar-13	\$2,400.00	Cousineau
1237828	East Watten	3	48Ha/120a	2004-Nov-03	2008-Nov-03	\$1,200.00	MTC
1237829	East Watten	4	64Ha/160a	2004-Nov-03	2008-Nov-03	\$1,600.00	MTC
1237857	East Watten	2	32Ha/80a	2004-Nov-03	2008-Nov-03	\$800.00	MTC
1237890	East Watten	1	16Ha/40a	2004-Nov-03	2008-Nov-03	\$400.00	MTC
1238152	Halkirk	6	96Ha/240a	2004-Dec-22	2008-Dec-22	\$2,400.00	MTC
1238153	Halkirk	4	64Ha/160a	2004-Dec-22	2008-Dec-22	\$1,600.00	MTC
1238154	East Watten	10	160Ha/400a	2004-Dec-22	2008-Dec-22	\$4,000.00	MTC
1238155	East Watten	15	240Ha/600a	2004-Dec-22	2008-Dec-22	\$6,000.00	MTC
1238156	East Watten	15	240Ha/600a	2004-Dec-22	2008-Dec-22	\$6,000.00	MTC
1238157	East Watten	10	160Ha/400a	2004-Dec-22	2008-Dec-22	\$4,000.00	MTC
1238158	East Watten	15	240Ha/600a	2004-Dec-22	2008-Dec-22	\$6,000.00	MTC
1238159	East Watten	2	32Ha/80a	2004-Dec-22	2008-Dec-22	\$800.00	MTC
1238160	East Watten	4	64Ha/160a	2004-Dec-22	2008-Dec-22	\$1,600.00	MTC
1238161	East Watten	1	16Ha/40a	2004-Dec-22	2008-Dec-22	\$400.00	MTC
1238162	East Watten	3	48Ha/120a	2004-Dec-22	2008-Dec-22	\$1,200.00	MTC
1238163	East Watten	2	32Ha/80a	2004-Dec-22	2008-Dec-22	\$800.00	MTC
1238171	East Watten	2	32Ha/80a	2005-Mar-03	2008-Mar-03	\$800.00	MTC
1238172	East Watten	16	256Ha/640a	2005-Mar-03	2008-Mar-03	\$6,400.00	MTC
1238173	East Watten	1	16Ha/40a	2005-Mar-03	2008-Mar-03	\$400.00	MTC
1240295	Halkirk	6	96Ha/240a	2002-Jan-03	2007-Jan-03	\$2,400.00	Cousineau
1245438	Halkirk	6	96Ha/240a	2003-May-06	2008-May-06	\$2,400.00	JB/EGC
1245439	East Watten	1	16Ha/40a	2003-May-06	2008-May-06	\$400.00	JB/EGC
1246517	Halkirk	2	32Ha/80a	2000-Nov-20	2008-Nov-20	\$800.00	Cousineau
1246518	Halkirk	6	96Ha/240a	2000-Nov-20	2007-Nov-20	\$2,400.00	Cousineau
1246845	Halkirk	15	240Ha/600a	2003-Dec-29	2008-Dec-29	\$6,000.00	EGC
1246846	East Watten	4	64Ha/160a	2003-Dec-29	2008-Dec-29	\$1,600.00	AE
1246847	East Watten	1	16Ha/40a	2003-Dec-29	2008-Dec-29	\$400.00	AE
1247174	Halkirk	15	240Ha/600a	2001-Jun-27	2008-Jun-27	\$6,000.00	JB/EGC
1249435	Halkirk	8	128Ha/320a	2002-Jan-21	2007-Jan-21	\$3,200.00	Cousineau
1249465	Halkirk	2	32Ha/80a	2002-Apr-30	2008-Apr-30	\$800.00	Cousineau
1249466	Halkirk	15	240Ha/600a	2002-Dec-02	2007-Dec-02	\$6,000.00	Cousineau
1249467	Halkirk	2	32Ha/80a	2002-Dec-18	2008-Dec-18	\$800.00	Cousineau
1249498	Halkirk	1	16Ha/40a	2000-Jan-21	2008-Jan-21	\$251.00	Cousineau
1249861	Halkirk	3	48Ha/120a	2001-Jan-26	2007-Jan-26	\$1,200.00	Cousineau
3004335	Halkirk	8	128Ha/320a	2002-Dec-18	2007-Dec-18	\$3,200.00	Cousineau
3004336	Halkirk	6	96Ha/240a	2003-May-12	2007-May-12	\$2,400.00	Cousineau
3005412	Halkirk	15	240Ha/600a	2004-Oct-28	2008-Oct-28	\$6,000.00	MTC
3005413	East Watten	15	240Ha/600a	2004-Oct-28	2008-Oct-28	\$6,000.00	MTC
3010796	Halkirk	9	144Ha/360a	2003-May-12	2007-May-12	\$3,600.00	Cousineau
3010797	Watten	4	64Ha/160a	2003-May-12	2007-May-12	\$1,600.00	Cousineau
3010799	Halkirk	2	32Ha/80a	2005-May-24	2008-May-24	\$800.00	Cousineau
3016162	East Watten	6	96Ha/240a	2006-Mar-10	2008-Mar-10	\$2,400.00	MTC
3016163	East Watten	8	128Ha/320a	2006-Mar-10	2008-Mar-10	\$3,200.00	MTC
3016164	East Watten	7	112Ha/280a	2006-Mar-10	2008-Mar-10	\$2,800.00	MTC
3004337	Halkirk	8	128Ha/320a	2005-Nov-18	2007-Nov-18	\$3,200.00	Cousineau
3010798	Halkirk	3	48Ha/120a	2005-Nov-18	2007-Nov-18	\$1,200.00	Cousineau
TOTALS		331	5,296Ha/21,160			\$132,251.00	

Table 1: North Rock Property. List of the claims.

NORTH ROCK PROPERTY
CLAIMS AND CURRENT STATUS
Kenora Mining Division

CLAIM NUMBER	TOWNSHIP	# OF UNITS	SIZE Ha/a	RECORD DATE	DUE DATE	WORK REQUIRED	OWNERSHIP
1178125	Halkirk	2	32Ha/80a	2001-Oct-02	2008-Oct-02	800	Cousineau
1178889	Halkirk	2	32Ha/80a	1998-Feb-23	2008-Feb-23	800	Cousineau
1199262	Halkirk	1	16Ha/40a	2002-Apr-30	2008-Apr-30	400	Cousineau
1199263	Halkirk	3	48Ha/120a	2002-Dec-02	2007-Dec-02	1200	Cousineau
1199264	Halkirk	15	240Ha/600a	2002-Dec-02	2006-Dec-02	6000	Cousineau
1214877	Halkirk	2	32Ha/80a	2000-Jun-08	2008-Jun-08	800	Cousineau
1214878	Halkirk	2	32Ha/80a	2000-Oct-27	2008-Oct-27	800	Cousineau
1230786	Halkirk	4	64Ha/160a	1999-May-04	2007-May-04	1600	Cousineau
1237557	Halkirk	6	96Ha/240a	2000-Mar-13	2007-Mar-13	2400	Cousineau
1237828	East Watten	3	48Ha/120a	2004-Nov-03	2008-Nov-03	1200	MTC
1237829	East Watten	4	64Ha/160a	2004-Nov-03	2008-Nov-03	1600	MTC
1237857	East Watten	2	32Ha/80a	2004-Nov-03	2008-Nov-03	800	MTC
1237890	East Watten	1	16Ha/40a	2004-Nov-03	2008-Nov-03	400	MTC
1238152	Halkirk	6	96Ha/240a	2004-Dec-22	2008-Dec-22	2400	MTC
1238153	Halkirk	4	64Ha/160a	2004-Dec-22	2008-Dec-22	1600	MTC
1238154	East Watten	10	160Ha/400a	2004-Dec-22	2008-Dec-22	4000	MTC
1238155	East Watten	15	240Ha/600a	2004-Dec-22	2008-Dec-22	6000	MTC
1238156	East Watten	15	240Ha/600a	2004-Dec-22	2008-Dec-22	6000	MTC
1238157	East Watten	10	160Ha/400a	2004-Dec-22	2008-Dec-22	4000	MTC
1238158	East Watten	15	240Ha/600a	2004-Dec-22	2008-Dec-22	6000	MTC
1238159	East Watten	2	32Ha/80a	2004-Dec-22	2008-Dec-22	800	MTC
1238160	East Watten	4	64Ha/160a	2004-Dec-22	2008-Dec-22	1600	MTC
1238161	East Watten	1	16Ha/40a	2004-Dec-22	2008-Dec-22	400	MTC
1238162	East Watten	3	48Ha/120a	2004-Dec-22	2008-Dec-22	1200	MTC
1238163	East Watten	2	32Ha/80a	2004-Dec-22	2008-Dec-22	800	MTC
1238171	East Watten	2	32Ha/80a	2005-Mar-03	2008-Mar-03	800	MTC
1238172	East Watten	16	256Ha/640a	2005-Mar-03	2008-Mar-03	6400	MTC
1238173	East Watten	1	16Ha/40a	2005-Mar-03	2008-Mar-03	400	MTC

1240295	Halkirk	6	96Ha/240a	2002-Jan-03	2007-Jan-03	2400	Cousineau
1245438	Halkirk	6	96Ha/240a	2003-May-06	2008-May-06	2400	JB/EGC
1245439	East Watten	1	16Ha/40a	2003-May-06	2008-May-06	400	JB/EGC
1246517	Halkirk	2	32Ha/80a	2000-Nov-20	2008-Nov-20	800	Cousineau
1246518	Halkirk	6	96Ha/240a	2000-Nov-20	2007-Nov-20	2400	Cousineau
1246845	Halkirk	15	240Ha/600a	2003-Dec-29	2008-Dec-29	6000	EGC
1246846	East Watten	4	64Ha/160a	2003-Dec-29	2008-Dec-29	1600	AE
1246847	East Watten	1	16Ha/40a	2003-Dec-29	2008-Dec-29	400	AE
1247174	Halkirk	15	240Ha/600a	2001-Jun-27	2008-Jun-27	6000	JB/EGC
1249435	Halkirk	8	128Ha/320a	2002-Jan-21	2007-Jan-21	3200	Cousineau
1249465	Halkirk	2	32Ha/80a	2002-Apr-30	2008-Apr-30	800	Cousineau
1249466	Halkirk	15	240Ha/600a	2002-Dec-02	2007-Dec-02	6000	Cousineau
1249467	Halkirk	2	32Ha/80a	2002-Dec-18	2008-Dec-18	800	Cousineau
1249498	Halkirk	1	16Ha/40a	2000-Jan-21	2008-Jan-21	251	Cousineau
1249861	Halkirk	3	48Ha/120a	2001-Jan-26	2007-Jan-26	1200	Cousineau
3004335	Halkirk	8	128Ha/320a	2002-Dec-18	2007-Dec-18	3200	Cousineau
3004336	Halkirk	6	96Ha/240a	2003-May-12	2007-May-12	2400	Cousineau
3005412	Halkirk	15	240Ha/600a	2004-Oct-28	2008-Oct-28	6000	MTC
3005413	East Watten	15	240Ha/600a	2004-Oct-28	2008-Oct-28	6000	MTC
3010796	Halkirk	9	144Ha/360a	2003-May-12	2007-May-12	3600	Cousineau
3010797	Watten	4	64Ha/160a	2003-May-12	2007-May-12	1600	Cousineau
3010799	Halkirk	2	32Ha/80a	2005-May-24	2008-May-24	800	Cousineau
3016162	East Watten	6	96Ha/240a	2006-Mar-10	2008-Mar-10	2,400	MTC
3016163	East Watten	8	128Ha/320a	2006-Mar-10	2008-Mar-10	3200	MTC
3016164	East Watten	7	112Ha/280a	2006-Mar-10	2008-Mar-10	2800	MTC
3004337	Halkirk	8	128Ha/320a	2005-Nov-18	2007-Nov-18	3200	Cousineau
3010798	Halkirk	3	48Ha/120a	2005-Nov-18	2007-Nov-18	1200	Cousineau

TOTALS		331	5,296Ha/21,160			132,251	
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Appendix II
Table of Best Intersections
and
List of samples and Selected Analyses
MetalCorp Ltd.
2006

North Rock Trenching 2006: Best Results															
Trench #	Channel Line	Main Interval (m)			Interval Type	Sub-Intervals (m)			Cu %	Ni %	Ag gpt	Au gpt	Pt gpt	Pd gpt	Mineralized Zone Description
		From	To	Length		From	To	Length							
1	E	58.00	60.00	2.0				0.18	0.18						Mela gabbro-komatiitic basalt near shear zone north of the trench, fairly rusty
					Including	59.00	60.00	1.0					0.13		
2	C	42.00	48.00	7.0				0.11	0.07	0.10	0.01	0.06	0.13		Porphyritic coarse grained Leuco Gabbro-mela gabbro-pyroxenite, 1-3% sulphides
2	D	43.00	48.00	3.0				0.15	0.08	0.10	0.02	0.10	0.21		Porphyritic coarse grained Leuco Gabbro, contact zone, 2-3% po-cpv
2	F	38.45	38.45	2.0				0.44	0.07	0.85	0.09	0.19	0.54		Melanocratic medium grained gabbro, rusty with traces of sulphides
3	C	37.00	39.30	2.3				0.29	0.10	0.88	0.08	0.08	0.21		Porphyritic coarse grained Leuco Gabbro, contact zone, 2-3% po-cpv
3	E	35.60	65.70	20.1				0.11	0.04	0.95	0.03	0.06	0.14		Porphyritic coarse grained Leuco Gabbro-mela gabbro-pyroxenite, up to 3% sulphides
					Including	48.00	55.70	7.7	0.16				0.16		
3	Q	55.50	57.60	2.0				0.18					0.17		Mafic volcanics with patches of med grained pyroxenite, 1-2% sulphides
3	H	35.00	44.00	9.0				0.14					0.13		Porphyritic coarse grained Leuco Gabbro-mela gabbro-pyroxenite, up to 3% sulphides
4	D	37.20	39.60	2.3				0.81					0.16		Fine grained mela-gabbro mixed with med grained black pyroxenite, rusty, 3-4% po-cpv
4	E	45.00	55.00	10.0				0.31	0.18	0.56	0.03	0.08	0.21		Mafic volcanics with patches of med grained black pyroxenite, 1-2% cpy
					Including	46.00	47.00	1.0	0.52	0.77	1.00	0.02	0.09	0.42	
5	D	47.00	60.00	3.0				0.19	0.06	0.53	0.03	0.09	0.17		Mafic volcanics north of contact gabbro, which contain patches of coarse grained pyroxenite very rusty and with up to 5% po-cpv sulphides
5	E	48.00	61.00	3.0				0.39	0.07	1.27	0.07	0.16	0.34		As above
7	A	1.00	15.00	14.0				0.88	0.02	1.24	0.35	0.03	0.04		Typical gabbro in a very rusty zone, sulphides rich
					Including	3.00	5.00	2.0	2.01	0.03	3.05	0.20	0.01	0.01	
					Including	13.00	14.00	1.0	3.16	0.04	4.70	2.48	0.01	0.02	
7	C	33.00	34.00	1.0				1.45	0.06	1.80	0.14	0.07	0.02		Same as above
7	D	35.00	38.00	1.0				1.23	0.03	2.80	0.14	0.03	0.01		
7	E	38.00	39.00	1.0				1.13	0.03	1.6	0.27	0.03	0.01		
7	F	55.00	55.80	0.8				0.01	0.01	0.1	0.01	0.17	0.15		Contact between a black pyroxenite and a coarse grained leuco gabbro
8	D	38.00	41.00	3.0				2.31	0.25	5.57	0.32	0.01	0.04		Rusty sulphides rich typical but melanocratic medium grained gabbro
8	E	42.00	48.00	4.0				2.74	0.44	5.68	0.64	0.02	0.02		As above
8	F	65.00	61.30	6.3				0.53	0.22	1.27	0.13	0.02	0.01		Half and half rusty medium grained mela gabbro and rusty coarse grained leuco gabbro
8	F	65.00	67.70	2.7				0.01	0.01	0.25	0.01	0.84	0.04		Black pyroxenite immediately north of contact with coarse grained leuco gabbro, mineralized
					Including	65.00	66.00	1.0					1.05		
8	H	63.30	74.00	10.7				0.08	0.04	0.23	0.02	0.15	0.11		All black pyroxenite fine to medium grained with more or less mineralization in po-cpv
					Including	65.00	66.00	1.0					0.52		
9	E	24.90	26.30	1.4				0.26	0.05	0.80	0.02	0.34	0.16		Black pyroxenite near contact with mafic volcanics
10	A	0.00	2.00	2.0				0.29	0.12	5.80	0.03	0.06	0.15		Rusty amphibolite (fine grained pyroxenite), likely a dyke in the medium grained gabbro
10	E	36.00	39.00	3.0				0.22	0.02	0.53	0.08	0.18	0.67		Weakly mineralized amphibolite with 1% po-cpv, just north of coarse grained leuco gabbro cont.
					Including	36.00	37.00	1.0	0.52	0.01	1.40	0.12	0.26	1.54	
11	D	33.00	37.00	4.0				0.23	0.09	0.85	0.06	0.13	0.23		Medium grained gabbro with local patches of rust that contains some mineralization
11	E	53.00	58.00	3.0				0.12	0.06	0.90	0.01	0.04	0.17		Very rusty medium grained mela gabbro, traces up to locally 10% sulphides
11	E	64.00	67.00	3.0				0.02	0.02	0.50	0.01	0.05	0.45		Same as above
11	K	136.90	137.60	0.7				0.47	0.03	1.80	0.06	0.01	0.64		Mafic volcanics with stringers of chalcopyrite associated with fractures
12	D	28.40	30.00	1.6				0.24	0.13	0.95	0.04	0.04	0.14		Rusty mela gabbro ending in dyke of pyroxenite. Mineralized with up to locally 20% cpy
12	H	71.60	72.30	0.7				0.14	0.07	0.90	0.12	0.02	0.22		Contact Leuco coarse grained gabbro with black pyroxenite (zone). Well mineralized interval.
12	H	83.00	86.00	3.0				0.08	0.02	0.23	0.03	0.08	0.37		Biotite rich meta mafic volcanics with traces of sulphides
12	J	75.60	77.20	1.6				0.10	0.03	0.35	0.03	0.20	0.38		Mafic volcanics with rusty patches at contact with black pyroxenite to the south.
12	K	74.80	75.60	0.8				0.07	0.02	0.10	0.04	0.44	0.75		Beginning in black pyroxenite and ending in biotite rich mafic volcanics, very rusty mineralized
13	H	87.00	93.00	6.00				0.04	0.05	0.10	0.01	0.11	0.01		Very rusty mela-gabbro, traces of sulphides
13	J	89.80	93.00	3.40				0.03	0.04	0.10	0.01	0.12	0.01		Same mela-gabbro at the contact with very schistose mafic dyke, very rusty
13	J	112.00	115.00	3.00				0.30	0.04	0.57	0.06	0.18	0.32		Mafic volcanics mixed with black amphibolite, contains patches of rusty material, traces of cpy
14	C	14.30	15.90	1.60				0.11	0.05	0.10	0.02	0.10	0.14		Typical gabbro, rusty spots
14	D	17.30	18.00	0.70				0.24	0.11	0.80	0.03	0.18	0.35		As above
14	E	17.90	20.30	2.40				0.11	0.07	0.37	0.02	0.11	0.25		As above
14	H	44.00	60.40	16.40				0.07	0.07	0.12	0.01	0.07	0.13		Mela medium grained gabbro, rusty with traces of sulphides
					Including	57.40	58.20	0.80	0.30	0.28	0.60	0.01	0.11	0.24	
						58.20	59.00	0.80	0.15	0.18	0.10	0.01	0.15	0.33	

North Rock Trenching 2006: Best Results															
Trench	Channel	Main Interval (m)			Interval	Sub-intervals (m)			Cu	Ni	Ag	Au	Pt	Pd	Mineralized Zone
#	Line	From	To	Length	Type	From	To	Length	%	%	gpt	gpt	gpt	gpt	Description
14	J	45.00	59.70	14.70					0.05	0.05	0.10	0.01	0.08	0.14	Leuco coarse grained gabbro, weakly to moderately rusty
14	M	67.50	70.60	3.10					0.20	0.03	0.47	0.04	0.24	0.33	As above
					Including	70.00	70.60	0.60	0.79	0.09	1.10	0.12	0.34	0.63	
14	R	86.30	87.20	0.90					0.44	0.03	2.20	0.08	0.47	0.79	Mafic volcanics cut by several small lamprophyre dykes
15	K	49.00	51.00	2.00					0.28	0.02	0.91	0.07	0.01	0.01	Leuco coarse grained gabbro, fairly whitish
15	L	52.00	54.00	2.00					0.11	0.01	0.30	0.03	0.01	0.01	End of coarse grained leuco gabbro at proximity of typical gabbro, all cut by lamprophyre dykes

North Rock Property
 Summer Program 2006
 Trenching vs Samples

Trench #	Channel	Sample #	From	To	Length	Cut Length	Cu	Ni	Ag	Au	Pt	Pd	Al	As	Ba	Be	Bi	Ca
1	A	680080	-5	-4	1.00	1.20	25	76	0.1	0.001	0.0005	0.001	7.16	5	60	0.6	2	8.07
1	A	680081	-4	-3	1.00	0.98	24	79	0.1	0.001	0.0018	0.002	7.21	5	60	0.6	2	7.49
1	A	680082	-3	-2	1.00	0.96	8	129	0.1	0.001	0.0122	0.004	6.06	5	50	0.5	2	7.09
1	A	680083	-2	-1	1.00	0.96	10	96	0.1	0.001	0.0099	0.003	6.43	7	40	0.5	2	9.04
1	A	680084	-1	0	1.00	1.70	13	94	0.1	0.001	0.0082	0.002	6.95	6	40	0.5	2	10.05
1	A	680085	0	0.8	0.80	0.81	12	89	0.1	0.001	0.0086	0.004	6.68	6	40	0.5	2	9.02
1	A	680086	0.8	1.6	0.80	0.86	12	98	0.1	0.001	0.0083	0.002	6.76	9	40	0.5	2	9.99
1	A	680087	1.6	2.6	1.00	1.31	19	130	0.1	0.001	0.0115	0.009	6.3	5	50	0.5	2	7.83
1	A	680088	2.6	3.6	1.00	1.50	18	89	0.1	0.001	0.0126	0.01	6.06	5	40	0.5	2	8.83
1	A	680089	3.6	4.2	0.60	0.66	62	122	0.1	0.001	0.0161	0.018	6.37	5	50	0.5	2	8.39
1	A	680090	4.2	5	0.80	0.79	21	92	0.1	0.001	0.0131	0.014	6.42	5	40	0.5	2	9.26
1	A	680091	5	6	1.00	1.70	49	124	0.1	0.001	0.0203	0.026	6.62	6	50	0.5	2	9.14
1	A	680092	6	7.2	1.20	0.84	14	127	0.1	0.001	0.0133	0.005	6.48	18	50	0.5	2	8.41
1	A	680093	7.2	8	0.80	0.85	55	128	0.1	0.001	0.0144	0.031	6.35	5	40	0.5	2	8.8
1	A	680094	8	9	1.00	0.98	32	96	0.1	0.001	0.0152	0.01	6.64	9	40	0.6	2	9.16
1	A	680095	9	10	1.00	1.15	66	118	0.1	0.001	0.0162	0.013	6.64	5	40	0.5	2	8.28
1	A	680096	10	11	1.00	1.20	10	118	0.1	0.001	0.014	0.007	6.77	5	40	0.5	2	8.67
1	A	680097	11	12	1.00	1.11	7	104	0.1	0.001	0.0146	0.003	6.48	5	40	0.5	2	8.18
1	A	680098	12	13	1.00	1.10	17	152	0.1	0.002	0.011	0.008	6.47	6	40	0.5	2	8.48
1	A	680099	13	14	1.00	1.15	90	146	0.1	0.001	0.0152	0.014	6.67	7	50	0.5	2	8.55
1	A	680100	14	15	1.00	1.90	53	138	0.1	0.002	0.0203	0.014	6.44	5	40	0.5	2	8.19
1	A	680101	15	16	1.00	0.98	16	111	0.1	0.001	0.0116	0.004	6.89	5	30	0.5	2	7.11
1	A	680102	16	17	1.00	1.20	42	43	0.1	0.001	0.212	0.003	10.15	5	160	1.4	2	3.44
1	A	680103	17	18	1.00	1.10	8	77	0.1	0.001	0.0176	0.009	8.86	5	50	0.7	2	5.41
1	A	680104	18	19	1.00	1.16	3	57	0.1	0.001	0.0171	0.048	9.94	5	100	0.7	2	4.16
1	A	680105	19	20	1.00	0.97	64	79	0.1	0.002	0.841	0.084	7.62	5	80	0.5	2	3.41
1	A	680106	20	21	1.00	0.93	38	75	0.1	0.003	0.475	0.008	8.17	5	310	0.5	2	2.23
1	A	680107	21	22	1.00	0.80	141	42	0.1	0.001	0.0542	0.004	11.15	5	220	0.8	3	2.42
1	B	680108	20	21	1.00	0.84	155	32	0.1	0.004	0.0664	0.005	10.95	6	150	0.8	2	2.56
1	B	680109	21	22	1.00	0.88	113	43	0.1	0.004	0.0716	0.002	9.95	5	210	0.6	2	3.6
1	B	680110	22	23	1.00	0.92	43	102	0.1	0.001	0.0133	0.006	6.54	5	40	0.5	2	7.79
1	B	680111	23	24	1.00	0.92	27	89	0.1	0.001	0.0195	0.003	6.3	5	40	0.5	2	8.77
1	B	680112	24	25	1.00	0.53	27	103	0.1	0.001	0.013	0.001	5.74	5	50	0.5	2	8.18
1	B	680113	25	26	1.00	0.87	25	102	0.1	0.001	0.0132	0.002	5.81	5	60	0.5	2	7.84
1	B	680114	26	27	1.00	0.68	22	100	0.1	0.001	0.0116	0.002	5.64	5	70	0.5	2	7.67
1	B	680115	27	28	1.00	0.94	38	107	0.1	0.002	0.0128	0.008	6.33	6	60	0.5	2	7.96
1	B	680116	28	29	1.00	0.70	162	106	0.1	0.002	0.0186	0.01	6.38	10	70	0.5	2	9.3
1	C	680117	29	30	1.00	0.97	209	118	0.1	0.001	0.0156	0.003	5.95	7	60	0.5	2	8.9
1	C	680118	30	31	1.00	0.97	28	113	0.1	0.001	0.0134	0.003	5.85	5	60	0.5	2	9.71
1	C	680119	31	31.6	0.60	0.50	11	117	0.1	0.001	0.0168	0.003	5.75	7	60	0.6	2	9.69
1	D	680120	45.7	46.5	0.80	0.77	104	160	0.1	0.002	0.0156	0.016	5.66	5	80	0.5	2	9.68
1	D	680121	46.5	47.3	0.80	0.80	16	153	0.1	0.001	0.016	0.01	5.54	7	80	0.5	2	8.91
1	D	680122	47.3	48.1	0.80	0.76	16	180	0.1	0.001	0.0148	0.004	5.28	5	70	0.5	2	8.72
1	D	680123	48.1	49	0.90	0.91	7	172	0.1	0.001	0.0165	0.007	5.58	10	80	0.5	2	8.94

Cd	Co	Cr	Fe	K	Mg	Mn	Mo	Na	P	Pb	S	Sb	Sr	Ti	V	W	Zn
0.5	53	58	10.15	0.17	2.68	2080	1	2.25	590	5	0.01	5	285	1.1	357	10	84
0.5	46	82	9.93	0.17	3.32	1885	1	2.43	510	4	0.01	5	249	0.97	298	10	73
0.5	50	118	9.33	0.15	3.62	1665	1	1.96	420	2	0.01	5	200	0.92	314	10	80
0.5	43	106	8.15	0.1	3.89	1715	1	1.86	140	2	0.01	5	203	0.97	278	10	69
0.5	38	136	7.31	0.08	3.95	1755	1	2.11	40	2	0.01	5	228	1.08	280	10	57
0.5	37	109	6.52	0.08	3.4	1530	1	2.14	50	2	0.01	5	227	1.07	279	10	54
0.5	47	131	8.07	0.09	4.15	1745	1	2.16	80	2	0.01	5	226	1.1	351	10	68
0.5	52	107	9.92	0.15	3.89	1840	1	1.98	280	3	0.01	5	180	0.99	337	10	80
0.5	44	109	7.98	0.11	3.61	1645	1	1.73	120	2	0.01	5	190	0.95	393	10	63
0.5	57	101	10.45	0.16	4.12	1880	1	1.74	430	3	0.05	5	180	0.98	354	10	78
0.5	41	115	8.78	0.12	4.11	1815	1	1.86	210	2	0.02	5	186	0.94	300	10	67
0.5	51	105	9.69	0.16	4.2	1865	1	2.04	440	3	0.03	5	186	0.99	339	10	90
0.5	54	99	10.3	0.18	4.02	1850	1	1.92	430	4	0.01	5	162	0.98	349	10	73
0.5	54	109	10.1	0.15	3.77	1865	1	1.97	450	2	0.08	5	204	0.96	339	10	86
0.5	49	104	10.5	0.16	3.73	1900	1	2.01	320	2	0.04	5	212	1.04	385	10	103
0.5	52	115	10.45	0.16	4	1835	1	2.09	330	4	0.09	5	213	1.01	347	10	107
0.5	53	114	10.55	0.17	4.02	1970	1	1.96	470	2	0.01	5	186	1	346	10	89
0.5	46	125	10.1	0.16	4.07	1895	1	2.02	200	2	0.01	5	194	0.98	347	10	87
0.5	56	137	10.55	0.19	4.28	1885	1	1.8	460	2	0.02	5	170	0.97	356	10	91
0.5	54	134	11.05	0.2	4.36	1925	1	1.87	440	3	0.1	5	172	0.97	352	10	73
0.5	50	145	11	0.22	4.23	1805	2	1.81	390	2	0.05	5	140	0.96	355	10	82
0.5	43	149	10.65	0.16	4.05	1515	1	2.42	150	2	0.01	5	120	1.04	357	10	75
0.5	26	45	7.02	0.92	1.56	689	1	4.91	120	2	0.01	5	92	0.83	202	10	46
0.5	39	114	9.92	0.33	3.37	1205	1	3.53	50	2	0.01	5	99	0.82	244	10	66
0.5	28	77	7.96	0.76	2.07	758	1	3.82	30	2	0.01	5	102	0.82	157	10	44
0.5	42	337	10.4	0.93	3.75	923	1	2.76	30	2	0.02	5	37	0.11	336	10	57
0.5	48	234	11.75	2.3	2.77	911	1	2.75	20	2	0.02	5	45	1.58	278	10	60
0.5	40	50	8.05	0.92	1.42	482	1	4.26	20	3	0.07	5	130	0.58	92	10	44
0.5	28	38	4.98	0.76	1.02	260	1	4.87	30	2	0.02	5	118	0.07	59	10	34
0.5	32	67	7.39	0.93	1.55	598	1	3.78	30	3	0.02	5	122	0.69	116	10	44
0.5	44	192	10.4	0.28	4.74	1565	1	1.83	120	2	0.01	5	116	0.96	345	10	76
0.5	38	225	8.69	0.18	4.69	1605	1	1.57	60	3	0.01	5	152	0.95	358	10	88
0.5	50	312	10.45	0.24	5.02	1620	1	1.54	20	2	0.01	5	115	0.93	383	10	79
0.5	46	285	10.35	0.25	4.9	1505	1	1.66	30	2	0.01	5	105	0.92	395	10	68
0.5	42	282	10.2	0.25	4.97	1525	1	1.6	30	2	0.01	5	89	0.81	407	10	62
0.5	45	224	9.8	0.25	4.89	1535	1	1.87	40	2	0.01	5	108	1.01	339	10	77
0.5	40	171	8.39	0.21	4.39	1565	1	1.71	160	3	0.03	5	148	0.95	374	10	125
0.5	43	248	8.67	0.19	4.74	1525	1	1.62	70	2	0.02	5	130	0.87	400	10	86
0.5	44	313	8.69	0.2	4.73	1495	1	1.59	80	2	0.01	5	132	0.84	339	10	81
0.5	43	292	8.5	0.19	4.83	1485	1	1.54	60	2	0.01	5	123	0.85	379	10	76
0.5	47	312	9.03	0.25	4.73	1520	1	1.47	330	2	0.04	5	123	0.82	326	10	240
0.5	45	302	9.49	0.25	4.68	1530	1	1.51	230	2	0.01	5	118	0.82	345	10	151
0.5	51	312	10.3	0.27	4.77	1595	1	1.3	200	2	0.02	5	95	0.78	381	10	120
0.5	46	337	9.24	0.27	4.79	1480	1	1.42	230	2	0.01	5	117	0.79	367	10	103

1	D	680124	49	50	1.00	0.93	34	165	0.1	0.001	0.0234	0.014	5.28	9	70	0.5	2	8.36
1	D	680125	50	51	1.00	0.94	17	166	0.1	0.001	0.0309	0.006	5.14	5	60	0.5	2	8.39
1	D	680126	51	52	1.00	0.98	22	164	0.1	0.001	0.0452	0.006	5.13	5	60	0.5	2	7.98
1	D	680127	52	53	1.00	1.29	90	175	0.1	0.001	0.0208	0.009	5.3	12	70	0.5	2	8.31
1	D	680128	53	54	1.00	1.40	192	242	0.1	0.002	0.0169	0.027	5.57	7	70	0.5	2	8.38
1	E	680129	56	57	1.00	0.95	622	821	0.1	0.001	0.0065	0.012	3.24	9	50	0.8	2	10.25
1	E	680130	57	58	1.00	0.96	481	866	0.1	0.002	0.0071	0.021	2.91	5	40	0.7	2	8.57
1	E	680131	58	59	1.00	0.94	1930	1220	0.1	0.003	0.0032	0.039	3.5	5	40	0.8	2	8.83
1	E	680132	59	60	1.00	1.00	1585	1935	0.1	0.004	0.0028	0.126	3.6	5	30	0.7	2	7.15
1	F	680133	58.4	59	0.60	0.61	991	1065	0.1	0.001	0.0066	0.015	2.75	5	40	0.7	2	10.05
1	F	680134	59	60	1.00	0.92	661	951	0.1	0.001	0.0057	0.008	3.52	10	40	0.8	2	9.7
1	F	680135	60	61	1.00	0.96	133	107	0.1	0.001	0.0005	0.001	7.5	5	70	0.5	2	7.17
1	F	680136	61	62	1.00	1.12	102	104	0.1	0.001	0.0005	0.001	8.23	5	110	0.5	2	7.31
1	F	680137	62	63	1.00	0.93	86	111	0.1	0.001	0.0005	0.001	7.86	12	90	0.5	2	7.14
1	F	680138	63	64	1.00	0.97	186	766	0.1	0.001	0.005	0.004	4.58	20	40	0.7	2	8.42
1	F	680139	64	64.6	0.60	0.77	176	666	0.1	0.001	0.0069	0.004	3.55	5	30	0.8	2	8.61
1	F	680140	64.6	65.9	1.30	1.13	11	168	0.1	0.001	0.015	0.008	5.99	5	50	0.5	2	10.25
1	F	680141	65.9	67.4	1.50	0.65	79	166	0.1	0.001	0.017	0.015	6.37	5	80	0.5	2	8.86
1	F	680142	67.4	68.2	0.80	0.58	40	158	0.1	0.001	0.016	0.015	6.42	5	80	0.5	2	9.01
1	G	680143	59	60	1.00	0.95	122	105	0.1	0.001	0.0006	0.001	8.26	9	100	0.5	2	7.44
1	G	680144	60	61	1.00	0.97	86	102	0.1	0.001	0.0006	0.001	7.94	5	90	0.5	2	7.37
1	G	680145	61	62	1.00	1.00	90	116	0.1	0.001	0.0005	0.001	7.88	12	110	0.5	2	7.04
1	G	680146	62	63	1.00	0.83	911	1405	0.1	0.001	0.0049	0.006	3.52	10	40	0.9	2	9.74
1	G	680147	63	64	1.00	0.65	525	823	0.1	0.001	0.0066	0.007	3.67	5	20	0.7	2	8.39
1	G	680148	64	65	1.00	1.13	622	993	0.1	0.002	0.007	0.008	3.67	14	30	0.6	2	8.41
1	G	680149	65	66	1.00	1.50	34	186	0.1	0.001	0.015	0.011	5.57	5	70	0.5	2	8.82
1	G	680150	66	67	1.00	0.59	8	184	0.1	0.001	0.0158	0.006	5.89	5	60	0.5	2	9.89
2	A	680152	0	1	1.00	0.97	97	180	0.5	0.003	0.0051	0.011	7.51	5	100	0.5	2	6.26
2	A	680153	1	2	1.00	1.10	61	129	0.1	0.001	0.0041	0.003	8.89	17	100	0.5	2	6.15
2	A	680154	2	3	1.00	1.40	51	55	0.1	0.001	0.0089	0.005	10.2	5	110	0.5	2	6.53
2	A	680155	3	4	1.00	1.30	40	45	0.1	0.001	0.0084	0.009	10.25	6	100	0.5	2	6.55
2	A	680156	4	5	1.00	0.98	78	42	0.1	0.002	0.0053	0.003	9.26	10	70	0.5	2	7.38
2	A	680157	5	6	1.00	1.40	75	47	0.1	0.002	0.0026	0.003	9.15	8	60	0.5	2	7.21
2	A	680158	6	7	1.00	1.16	66	48	0.1	0.002	0.002	0.002	9.39	10	70	0.5	2	7.18
2	A	680159	7	8	1.00	1.50	74	52	0.1	0.002	0.0051	0.006	9.23	7	90	0.5	2	7.12
2	A	680160	8	9	1.00	0.99	70	47	0.1	0.001	0.0048	0.005	9.08	18	90	0.5	2	6.91
2	A	680161	9	10	1.00	1.60	65	51	0.1	0.001	0.0042	0.004	9.98	12	70	0.5	2	7.71
2	A	680162	10	11	1.00	1.14	59	46	0.1	0.001	0.0045	0.003	8.61	14	90	0.5	2	6.26
2	A	680163	11	12	1.00	1.18	111	60	0.1	0.002	0.0056	0.004	8.63	5	60	0.5	2	6.95
2	A	680164	12	13	1.00	1.50	148	64	0.1	0.003	0.0081	0.005	8.38	7	70	0.5	2	7.21
2	A	680165	13	14	1.00	0.97	105	56	0.1	0.002	0.0017	0.001	9.03	8	70	0.5	2	6.87
2	A	680166	14	15	1.00	1.00	89	59	0.1	0.001	0.0006	0.002	9.07	8	80	0.5	2	7.3
2	A	680167	15	16	1.00	1.70	102	61	0.1	0.002	0.0013	0.001	9.08	10	90	0.5	2	7.38
2	A	680168	16	17	1.00	1.89	69	59	0.1	0.001	0.0037	0.006	9.34	9	80	0.5	2	7.24
2	A	680169	17	18	1.00	1.10	83	51	0.1	0.001	0.0046	0.003	9.21	9	90	0.5	2	6.98
2	B	680170	17	18	1.00	0.96	49	53	0.1	0.001	0.0026	0.002	10.35	12	80	0.5	2	7.26
2	B	680171	18	19	1.00	0.96	134	52	0.1	0.001	0.0032	0.002	8.66	5	90	0.5	2	6.97
2	B	680172	19	20	1.00	1.40	102	47	0.1	0.001	0.0036	0.002	8.62	11	100	0.5	2	5.58
2	B	680173	20	21	1.00	1.20	87	45	0.1	0.002	0.0022	0.002	8.61	8	70	0.5	2	6.67
2	B	680174	21	22	1.00	1.00	172	44	0.1	0.003	0.0038	0.003	8.12	5	70	0.5	2	6.86

0.5	50	313	9.42	0.25	4.57	1475	5	1.44	300	2	0.01	5	106	0.81	354	10	102
0.5	48	291	9.62	0.24	4.69	1450	1	1.36	290	2	0.01	5	101	0.78	391	10	102
0.5	52	308	10.15	0.27	4.91	1510	1	1.35	400	3	0.01	5	98	0.78	407	10	108
0.5	49	311	10.25	0.27	4.77	1485	1	1.45	670	3	0.02	5	108	0.8	358	10	118
0.5	56	345	9.34	0.23	4.66	1405	1	1.48	390	2	0.1	5	149	0.83	327	10	278
0.5	122	1275	14.85	0.33	4.07	1505	1	0.64	440	2	1.2	5	33	0.7	187	10	79
0.5	118	1270	16.65	0.25	4.65	1365	1	0.58	520	4	0.88	5	27	0.66	175	10	89
0.5	183	1095	15.25	0.24	3.98	1440	1	0.56	430	2	2.46	5	49	0.72	184	10	94
0.5	307	1030	16.15	0.22	4.54	1295	1	0.58	390	2	4.08	5	28	0.71	183	10	86
0.5	179	1060	17.05	0.27	2.96	1785	1	0.49	590	2	1.81	5	33	0.58	154	10	84
0.5	130	1300	14.75	0.25	3.74	1680	1	0.53	380	2	1.08	5	48	0.71	186	10	95
0.5	48	116	8.9	0.25	3.71	1360	1	1.9	390	2	0.16	5	165	0.64	297	10	84
0.5	46	116	9.82	0.32	4.13	1655	9	2.16	410	2	0.11	5	158	0.74	332	10	94
0.5	44	119	9.41	0.29	4	1550	1	2.1	390	2	0.13	5	176	0.69	315	10	88
0.5	80	1230	13.25	0.24	6.04	1645	1	0.93	400	2	0.07	5	62	0.74	228	10	120
0.5	73	1505	12.95	0.22	7.22	1595	2	0.66	440	2	0.07	5	21	0.76	210	10	114
0.5	50	337	10.5	0.23	5.07	1855	1	1.44	400	2	0.01	5	236	0.9	349	10	109
0.5	50	305	10.8	0.32	4.58	1765	1	1.69	410	2	0.05	5	239	0.93	373	10	99
0.5	49	263	10	0.33	4.73	1750	1	1.98	450	2	0.04	5	234	1	363	10	116
0.5	45	120	9.72	0.3	4.13	1565	1	2.1	410	2	0.18	5	178	0.73	318	10	87
0.5	45	114	9.55	0.26	4.01	1535	1	2.01	390	2	0.11	5	172	0.7	311	10	85
0.5	45	119	9.85	0.3	3.99	1580	1	2.17	400	2	0.09	5	188	0.69	311	10	84
0.5	179	1455	16.8	0.28	3.76	1900	1	0.61	410	2	1.59	5	38	0.76	198	10	110
0.5	90	1655	13.6	0.21	6.32	1525	1	0.65	430	2	0.52	5	32	0.86	221	10	122
0.5	103	1725	11.9	0.19	6.53	1450	1	0.71	340	2	0.74	5	60	0.86	219	10	122
0.5	46	372	10.4	0.27	4.87	1685	1	1.68	400	2	0.02	5	184	0.87	349	10	105
0.5	43	337	9.33	0.23	4.86	1825	1	1.62	350	2	0.01	5	221	0.91	362	10	94
0.5	57	373	9.65	0.34	5.1	1690	1	1.56	140	4	0.05	5	129	0.39	203	10	96
0.5	42	306	7.91	0.33	3.58	1290	1	1.97	210	3	0.07	5	172	0.39	188	10	79
0.5	33	111	7.27	0.35	2.55	1115	1	2.27	220	3	0.03	5	195	0.33	160	10	87
0.5	35	67	8.2	0.38	2.64	1255	2	2.34	200	2	0.02	5	217	0.36	196	10	98
0.5	41	76	8.53	0.26	2.78	1340	1	1.61	230	5	0.07	5	132	0.39	215	10	75
0.5	42	54	8.32	0.25	2.8	1380	1	1.67	250	3	0.06	5	143	0.43	230	10	73
0.5	40	81	8	0.26	2.96	1290	2	1.88	270	2	0.07	5	165	0.39	218	10	69
0.5	42	52	8.74	0.34	2.98	1440	1	1.77	230	2	0.06	5	142	0.41	220	10	84
0.5	39	75	8.16	0.32	2.72	1345	2	1.73	230	4	0.05	5	142	0.41	221	10	82
0.5	40	40	8.98	0.26	3.09	1420	1	1.93	260	4	0.05	5	152	0.42	241	10	71
0.5	37	68	7.88	0.34	2.71	1270	1	1.88	250	6	0.03	8	158	0.4	239	10	65
0.5	48	36	9.09	0.27	3.04	1515	1	1.7	230	2	0.05	5	135	0.53	366	10	79
0.5	49	72	9.48	0.28	3.4	1600	2	1.53	230	2	0.05	9	117	0.49	357	10	88
0.5	40	29	8.2	0.27	2.68	1280	1	1.83	260	2	0.03	5	146	0.48	351	10	73
0.5	44	48	8.96	0.29	2.88	1385	1	1.81	220	3	0.06	7	143	0.6	483	10	74
0.5	49	31	9.72	0.32	3.04	1555	1	1.76	240	2	0.07	5	136	0.77	599	10	81
0.5	45	56	8.79	0.27	2.92	1425	1	2	210	5	0.05	5	176	0.62	492	10	75
0.5	44	25	9.25	0.3	2.86	1460	2	2.02	220	4	0.07	11	170	0.65	520	10	77
0.5	41	53	8.99	0.27	2.77	1450	1	2.36	250	2	0.03	5	207	0.69	466	10	73
0.5	46	26	9.02	0.31	2.87	1395	1	1.91	310	2	0.09	5	209	0.55	401	10	76
0.5	43	46	9.07	0.45	2.86	1290	2	2.33	380	5	0.06	5	192	0.56	375	10	66
0.5	48	26	9.91	0.3	2.89	1580	1	1.92	220	2	0.09	7	153	0.67	428	10	81
0.5	53	67	10.9	0.32	3.19	1700	1	1.58	240	4	0.12	5	120	0.7	429	10	97

2	B	680175	22	23	1.00	0.99	66	41	0.1	0.002	0.002	0.002	8.33	15	60	0.5	2	5.85
2	B	680176	23	24	1.00	0.99	77	47	0.1	0.001	0.0024	0.002	8.54	5	60	0.5	2	6.89
2	B	680177	24	25	1.00	1.00	99	28	0.1	0.001	0.0005	0.001	8.1	5	70	0.5	2	5.7
2	B	680178	25	26	1.00	1.40	93	81	0.1	0.002	0.0017	0.001	8.72	11	80	0.5	2	6.92
2	B	680179	26	27	1.00	1.50	132	65	0.1	0.002	0.0021	0.003	8.44	11	110	0.5	2	6.84
2	B	680180	27	28	1.00	1.10	326	154	0.1	0.004	0.0103	0.012	9.64	8	140	0.5	2	6.63
2	B	680181	28	28.5	0.50	0.75	38	59	0.1	0.001	0.0021	0.001	9.71	6	180	0.5	2	6.89
2	B	680182	28.5	29	0.50	0.47	42	288	0.1	0.002	0.0065	0.007	7.17	13	260	0.9	2	7.02
2	B	680183	29	30	1.00	1.10	38	579	0.1	0.001	0.0063	0.007	5.49	5	90	0.8	2	7.99
2	B	680184	30	31	1.00	1.10	44	493	0.1	0.001	0.0071	0.007	6.84	5	150	1	2	8.46
2	B	680185	31	31.7	0.70	0.32	12	335	0.1	0.001	0.0048	0.005	7.3	5	170	1.1	2	6.96
2	B	680186	31.7	32.4	0.70	0.64	211	61	0.1	0.003	0.0087	0.011	10.65	5	220	0.5	2	7.11
2	B	680187	32.4	33.1	0.70	0.54	64	53	0.1	0.002	0.0118	0.005	11.75	5	190	0.5	2	7.29
2	C	680188	23	24	1.00	1.10	115	48	0.1	0.003	0.0023	0.002	8.74	5	70	0.5	2	7.67
2	C	680189	24	25	1.00	1.00	118	57	0.1	0.001	0.0023	0.002	8.78	5	70	0.5	2	7.61
2	C	680190	25	26	1.00	0.92	120	46	0.1	0.002	0.0027	0.003	8.75	20	70	0.5	2	7.4
2	C	680191	26	27	1.00	1.70	126	52	0.1	0.002	0.0023	0.002	9.1	5	80	0.5	2	7.8
2	C	680192	27	28	1.00	1.16	89	59	0.1	0.001	0.0023	0.002	8.15	5	80	0.5	2	7.35
2	C	680193	28	28.4	0.40	0.39	66	59	0.1	0.001	0.0077	0.003	9.79	5	320	0.5	2	6.97
2	C	680194	28.4	29	0.60	0.74	17	318	0.1	0.001	0.0055	0.005	7.58	5	310	1	2	7.48
2	C	680195	29	30	1.00	0.64	42	425	0.1	0.001	0.0058	0.007	6.79	5	280	0.9	2	7.91
2	C	680196	30	30.37	0.37	0.36	32	479	0.1	0.001	0.0068	0.007	6.34	5	260	0.9	2	7.83
2	C	680197	30.37	31	0.63	1.10	79	346	0.1	0.002	0.007	0.008	7.31	5	280	1.2	2	7.32
2	C	680198	31	31.1	0.10	0.24	48	323	0.1	0.001	0.0036	0.004	7.26	5	310	0.9	2	6.63
2	C	680199	31.1	32	0.90	0.72	148	72	0.1	0.001	0.0051	0.004	10.05	5	170	0.5	2	6.33
2	C	680200	32	33	1.00	1.10	404	102	0.1	0.007	0.042	0.048	10.5	5	160	0.5	2	7.89
2	C	680201	33	33.2	0.20	0.20	616	134	0.1	0.01	0.0028	0.005	6.15	5	40	0.5	2	8.46
2	C	680202	33.2	34	0.80	0.73	74	72	0.1	0.002	0.0146	0.06	10.9	14	130	0.5	2	7.38
2	C	680203	34	35	1.00	1.12	45	98	0.1	0.001	0.0078	0.004	8.62	5	60	0.5	2	7.25
2	C	680204	35	36	1.00	1.35	71	80	0.1	0.001	0.0022	0.002	8.29	5	60	0.5	2	7.55
2	C	680205	36	37	1.00	1.20	83	82	0.1	0.003	0.0188	0.016	8.53	5	50	0.5	2	7.74
2	C	680206	37	38	1.00	1.70	102	77	0.5	0.004	0.0072	0.004	8.55	5	50	0.5	2	8
2	C	680207	38	39	1.00	0.92	128	96	0.1	0.005	0.013	0.045	9.43	5	60	0.5	2	7.78
2	C	680208	39	40	1.00	1.40	218	102	0.1	0.006	0.0052	0.024	9.13	5	50	0.5	2	7.89
2	C	680209	40	41	1.00	1.30	82	85	0.1	0.002	0.001	0.004	8.28	5	50	0.5	2	7.42
2	C	680210	41	42	1.00	0.98	75	91	0.1	0.002	0.0019	0.006	8.82	5	50	0.5	2	7.7
2	C	680211	42	43	1.00	1.23	517	457	0.1	0.007	0.0387	0.108	9.84	5	70	0.5	2	7.45
2	C	680212	43	44	1.00	0.94	1580	981	0.1	0.01	0.0427	0.102	9.75	5	50	0.5	2	7.79
2	C	680213	44	45	1.00	1.29	1640	835	0.1	0.017	0.0833	0.214	10.2	5	70	0.5	2	7.33
2	C	680214	45	46	1.00	0.95	1190	1050	0.1	0.011	0.0379	0.121	9.79	5	60	0.5	2	8.45
2	C	680215	46	47	1.00	1.20	1055	613	0.1	0.018	0.079	0.148	8.29	5	40	0.5	2	8.79
2	C	680216	47	48	1.00	1.60	606	398	0.1	0.008	0.0745	0.154	8.33	5	60	0.5	2	8.32
2	C	680217	48	49	1.00	1.60	1180	301	0.1	0.02	0.0377	0.069	8.52	5	50	0.5	2	8.89
2	C	680218	49	50	1.00	0.90	223	247	0.1	0.004	0.0166	0.028	8.94	5	40	0.5	2	9.84
2	C	680219	50	51	1.00	1.40	405	245	0.1	0.005	0.0158	0.026	8.38	5	40	0.5	2	8.95
2	C	680220	51	51.6	0.60	0.62	113	211	0.1	0.005	0.005	0.019	8.59	5	80	0.5	2	8.68
2	C	680221	51.6	52	0.40	0.33	45	12	0.1	0.001	0.001	0.001	7.98	5	160	1.3	2	4.74
2	C	680222	52	53	1.00	1.10	54	3	0.1	0.001	0.0005	0.001	7.83	5	230	1.2	2	3.91
2	C	680223	53	54	1.00	1.25	58	1	0.1	0.002	0.0005	0.001	7.79	5	360	1.3	2	2.76
2	C	680224	54	55	1.00	1.00	178	1	0.1	0.002	0.0005	0.001	8.13	5	330	1.4	2	3.37

0.5	42	21	9.13	0.27	2.5	1440	1	2.41	480	2	0.06	5	170	0.88	342	10	69
0.5	46	51	9.83	0.29	2.86	1480	2	1.68	280	2	0.07	5	152	0.69	399	10	74
0.5	45	21	10	0.32	2.48	1570	2	2.34	840	4	0.12	5	145	1.01	338	10	78
0.5	48	62	10.3	0.29	3.32	1715	2	2.23	100	8	0.09	5	177	1.06	306	10	84
0.5	52	24	10.6	0.42	3.22	1620	1	1.74	200	4	0.11	5	164	0.96	626	10	85
0.5	41	134	8	0.39	1.95	1240	1	2.39	120	3	0.16	5	353	1.43	212	10	55
0.5	32	27	7.92	0.4	2.51	1145	1	2.37	80	2	0.02	5	453	0.68	244	10	61
0.5	46	721	6.48	0.73	7.27	1170	1	1.36	1400	2	0.01	5	415	0.37	151	10	90
0.5	61	1135	6.23	0.31	11.4	1295	2	0.53	920	2	0.01	5	190	0.27	120	10	111
0.5	57	999	7.24	0.81	10.5	1450	3	0.99	1280	5	0.01	5	283	0.34	145	10	117
0.5	46	636	6.28	0.63	7.52	1270	1	1.68	1220	6	0.01	5	333	0.33	142	10	102
0.5	31	55	6.69	0.59	2.03	911	3	2.66	30	3	0.08	5	553	0.56	240	10	54
0.5	21	23	5.47	0.47	1.56	736	4	2.89	10	8	0.02	5	400	0.41	138	10	43
0.5	51	53	11.6	0.3	3.13	1840	4	1.62	220	11	0.05	5	124	0.94	541	10	112
0.5	54	25	11.5	0.31	3.12	1845	3	1.6	210	8	0.09	5	131	1.05	642	10	107
0.5	49	47	10.95	0.33	3.03	1730	2	1.62	210	7	0.06	5	134	0.9	533	10	99
0.5	54	21	11.05	0.33	3.03	1715	2	1.64	180	6	0.09	5	155	1	623	10	93
0.5	48	53	10.45	0.29	3.05	1620	7	1.63	220	5	0.07	8	198	0.89	528	10	83
0.5	32	44	7.59	0.55	2.5	1220	2	2.34	30	7	0.03	8	591	0.87	203	10	53
0.5	49	769	7.29	1.04	7.52	1285	2	1.4	1380	6	0.01	7	413	0.39	152	10	91
0.5	50	901	6.21	0.99	9.09	1220	2	1.04	1300	2	0.01	5	366	0.34	140	10	92
0.5	54	925	6.27	1.06	9.85	1300	2	0.85	1180	4	0.01	5	231	0.33	138	10	107
0.5	53	829	6.44	1.02	7.55	1210	2	1.44	1480	2	0.03	5	432	0.4	160	10	105
0.5	51	664	8.23	1.07	7.05	1340	4	1.55	1160	7	0.04	7	238	0.5	161	10	106
0.5	35	27	7.22	0.43	2.1	994	3	2.59	60	2	0.09	5	301	0.67	150	10	55
0.5	35	351	6.72	0.45	3.03	961	3	1.97	90	2	0.08	5	225	0.37	166	10	69
0.5	49	604	9.17	0.17	5.34	1435	4	1.06	60	4	0.09	5	108	0.4	277	10	98
0.5	28	203	6.03	0.38	2.24	913	2	2.29	60	4	0.03	5	232	0.28	122	10	70
0.5	44	146	8	0.26	3.86	1300	2	1.86	40	5	0.02	5	142	0.3	140	10	61
0.5	46	120	8.15	0.23	4.01	1445	2	1.67	160	2	0.04	5	134	0.45	217	10	74
0.5	44	130	7.9	0.2	4.05	1455	1	1.58	170	2	0.06	5	120	0.33	188	10	73
0.5	45	79	8.34	0.21	4.03	1545	3	1.68	200	7	0.04	6	124	0.37	213	10	79
0.5	43	146	8.14	0.24	3.51	1370	1	1.97	190	8	0.1	5	158	0.36	208	10	66
0.5	48	369	9.14	0.21	3.4	1435	2	1.83	170	6	0.08	5	144	0.43	246	10	77
0.5	43	308	8.75	0.21	3.38	1375	4	1.75	120	9	0.03	8	140	0.57	302	10	68
0.5	46	121	9.14	0.2	3.47	1400	2	1.82	180	12	0.04	5	142	0.48	241	10	71
0.5	64	93	8.1	0.24	2.75	1100	4	2.2	120	2	0.56	5	194	0.38	182	10	68
0.5	101	70	9.03	0.21	3.31	1110	2	1.68	120	4	1.23	5	138	0.26	184	10	68
0.5	80	75	8.79	0.26	2.16	861	2	1.85	170	2	1	5	178	0.26	178	10	60
0.5	97	115	8.39	0.24	2.94	1060	2	1.55	160	6	1.19	5	175	0.28	207	10	73
0.5	85	199	9.01	0.22	4.27	1425	2	1.43	170	4	0.64	5	162	0.34	258	10	84
0.5	71	184	9.69	0.29	5.13	1680	3	1.37	80	5	0.26	5	194	0.43	248	10	91
0.5	58	227	8.78	0.29	4.88	1595	3	1.34	80	7	0.18	5	169	0.48	267	10	96
0.5	66	223	9.24	0.23	5.25	1655	4	1.36	60	4	0.09	7	176	0.49	285	10	114
0.5	57	191	8.5	0.3	4.86	1555	2	1.19	90	8	0.14	6	164	0.48	276	10	131
0.5	60	176	8.79	0.52	4.97	1670	10	1.18	60	7	0.03	6	158	0.49	294	20	120
0.5	13	56	7.3	0.69	1.02	1690	3	2.01	960	5	0.02	6	117	0.63	55	10	58
0.5	6	43	6.63	1.23	0.63	1235	3	1.85	1180	5	0.02	5	87	0.52	7	10	36
0.5	7	4	6.37	1.49	0.56	1420	3	2.16	1020	2	0.06	5	100	0.45	5	10	31
0.5	7	4	6.46	0.94	0.58	1005	7	2.55	1040	2	0.22	6	117	0.45	5	10	36

2	C	680225	55	56	1.00	1.00	390	14	0.1	0.001	0.0005	0.001	7.97	5	290	1.3	2	3.39
2	C	680226	56	57	1.00	1.20	208	1	0.1	0.002	0.0005	0.001	7.59	5	300	1.2	2	3.12
2	C	680227	57	58	1.00	1.00	119	6	0.1	0.001	0.0005	0.001	7.77	5	380	1.1	2	3.15
2	D	680228	42	43	1.00	1.00	310	126	0.1	0.015	0.0292	0.057	10.15	5	70	0.5	2	7.94
2	D	680229	43	44	1.00	1.60	1285	521	0.1	0.032	0.172	0.315	10.4	5	80	0.5	2	7.65
2	D	680230	44	45	1.00	0.97	1900	715	0.1	0.024	0.0654	0.163	9.56	5	70	0.5	2	7.58
2	D	680231	45	46	1.00	0.90	1210	1145	0.1	0.007	0.0509	0.148	10.15	5	100	0.5	2	7.43
2	D	680232	46	47	1.00	1.60	538	156	0.1	0.006	0.0262	0.071	8.28	5	200	0.9	2	4.18
2	D	680233	47	47.4	0.40	0.50	180	49	0.1	0.002	0.0018	0.005	7.96	5	260	1.3	2	3.67
2	E	680234	32.1	32.65	0.55	0.56	537	93	0.1	0.008	0.0102	0.003	10.45	5	250	0.5	2	5.72
2	E	680235	32.65	32.88	0.23	0.22	308	144	0.1	0.008	0.0023	0.002	6.79	5	230	0.5	5	5.63
2	E	680236	32.88	33.2	0.32	0.30	451	55	0.1	0.005	0.0044	0.002	11.25	5	250	0.5	2	5.88
2	F	680237	34.45	35.45	1.00	1.10	53	81	0.1	0.001	0.0047	0.006	8.57	5	50	0.5	2	7.83
2	F	680238	35.45	36.45	1.00	1.00	65	72	0.1	0.001	0.0174	0.018	8.9	5	50	0.5	2	7.93
2	F	680239	36.45	37.45	1.00	0.98	5530	793	0.8	0.118	0.1525	0.581	9.26	5	80	0.5	2	7.68
2	F	680240	37.45	38.45	1.00	1.00	3330	564	0.5	0.059	0.224	0.497	9.67	5	60	0.5	2	8.08
2	F	680241	38.45	39.45	1.00	1.50	323	114	0.1	0.006	0.0207	0.037	10.3	5	70	0.5	2	8.1
2	G	680518	58	59	1.00	1.02	266	42	0.1	0.002	0.0006	0.006	7.17	5	100	0.9	2	3.46
2	G	680519	59	60	1.00	1.02	612	168	0.1	0.005	0.0011	0.031	5.39	5	50	0.7	2	3.14
2	G	680520	60	61	1.00	1.00	451	60	0.1	0.003	0.001	0.008	7.86	5	240	1.3	2	3.04
2	G	680521	61	62	1.00	1.01	119	6	0.1	0.002	0.001	0.001	8.04	5	320	1.4	2	2.98
2	G	680522	62	62.7	0.70	0.80	22	2	0.1	0.001	0.001	0.001	7.53	5	370	1.4	2	2.71
3	A	680245	0	1	1.00	0.83	57	43	0.1	0.002	0.0021	0.004	9.49	5	90	0.5	2	6.56
3	A	680246	1	2	1.00	1.30	53	40	0.1	0.001	0.0032	0.002	10	7	90	0.5	2	7.1
3	A	680247	2	2.3	0.30	0.37	53	43	0.1	0.001	0.0068	0.003	9.81	5	80	0.5	2	7.44
3	A	680248	2.3	3	0.70	0.69	73	39	0.1	0.001	0.0106	0.004	9.51	5	60	0.5	2	7.5
3	A	680249	3	4	1.00	1.03	51	48	0.1	0.001	0.0074	0.004	9.7	5	60	0.5	2	7.51
3	A	680250	4	5	1.00	1.10	74	45	0.1	0.001	0.0034	0.002	9.3	5	60	0.5	2	7.21
3	A	680251	5	6	1.00	1.10	77	47	0.1	0.001	0.0035	0.003	9.57	5	70	0.5	2	7.08
3	A	680252	6	7	1.00	0.97	58	45	0.1	0.001	0.0034	0.004	9.29	5	60	0.5	2	7.28
3	A	680253	7	9.4	0.57	0.57	37	42	0.1	0.001	0.0028	0.003	8.84	5	60	0.5	2	6.86
3	A	680254	9.4	10.2	0.80	0.91	75	52	0.1	0.002	0.0022	0.003	8.81	5	70	0.5	2	7.06
3	A	680255	10.2	11	0.80	0.92	77	49	0.1	0.001	0.0033	0.003	8.91	5	60	0.5	2	7.38
3	A	680256	11	12	1.00	1.70	207	51	0.1	0.003	0.0061	0.021	9.15	5	60	0.5	2	7.33
3	A	680257	12	13	1.00	1.02	84	50	0.1	0.001	0.0104	0.02	8.74	5	70	0.5	2	7.19
3	A	680258	13	14	1.00	0.82	97	55	0.1	0.002	0.0132	0.006	9.08	5	70	0.5	2	7.42
3	A	680259	14	14.5	0.50	0.54	120	54	0.1	0.001	0.0014	0.001	8.73	5	270	1	2	4.94
3	A	680260	14.5	15	0.50	0.99	72	49	0.1	0.002	0.0051	0.003	9.77	5	90	0.5	2	7.39
3	B	680261	17.5	18.2	0.70	0.67	37	33	0.1	0.002	0.0017	0.001	5.43	5	30	0.5	2	4.77
3	B	680262	18.2	18.9	0.70	0.85	50	61	0.1	0.001	0.0005	0.001	7.09	5	40	0.5	2	6.61
3	B	680263	18.9	20	1.10	1.25	146	59	0.1	0.002	0.002	0.002	7.71	5	60	0.5	2	7.18
3	B	680264	20	21	1.00	1.40	92	57	0.1	0.001	0.0025	0.002	7.33	5	50	0.5	2	6.93
3	B	680265	21	22	1.00	1.03	88	46	0.1	0.001	0.0016	0.002	8.35	5	70	0.5	2	6.61
3	B	680266	22	23	1.00	1.02	79	45	0.1	0.001	0.0024	0.001	8.6	5	60	0.5	2	7.54
3	B	680267	23	24	1.00	1.70	539	89	0.1	0.018	0.0022	0.005	8.12	5	140	0.5	2	5.64
3	B	680268	24	25	1.00	1.30	333	77	0.1	0.005	0.0018	0.003	8	5	80	0.5	2	7.44
3	B	680269	25	26	1.00	1.00	609	63	0.1	0.008	0.0022	0.003	8.76	5	70	0.5	2	7.43
3	B	680270	26	27	1.00	1.93	139	61	0.1	0.001	0.0027	0.004	8.27	5	70	0.5	2	6.34
3	B	680271	27	28	1.00	1.70	116	93	0.1	0.002	0.0034	0.003	8.12	5	150	0.5	2	6.17
3	C	680272	21	22	1.00	1.31	178	68	0.1	0.002	0.002	0.003	8.63	5	70	0.5	2	7.68

0.5	18	82	6.46	0.66	0.52	1170	3	2.59	910	4	1.11	5	118	0.4	6	30	27
0.5	9	3	6.17	0.89	0.49	1185	3	2.38	870	7	0.28	5	106	0.41	4	10	27
0.5	8	63	6.48	1.14	0.56	1355	3	2.3	930	4	0.15	5	103	0.44	4	10	32
0.5	38	104	6.58	0.26	2.89	1055	2	1.84	110	6	0.09	5	156	0.3	172	10	57
0.5	66	93	7.37	0.35	2.63	1025	2	2.04	110	3	0.6	5	182	0.37	204	10	66
0.5	75	67	8.83	0.33	3.08	1215	3	1.72	100	8	0.8	5	156	0.33	186	10	80
0.5	114	96	9.07	0.55	2.45	1075	3	1.89	140	11	1.47	5	178	0.31	188	10	67
0.5	29	75	9.76	0.67	1.45	1075	3	2.27	870	8	0.34	5	126	0.52	100	10	46
0.5	20	83	6.54	0.82	0.7	1710	8	2.29	1060	5	0.24	5	120	0.49	17	10	35
0.5	35	94	6.88	0.68	2.02	842	2	3.11	20	5	0.13	5	384	0.35	95	10	60
0.5	51	176	11.6	0.68	3.84	1970	2	1.7	10	3	0.07	5	138	1.56	226	10	90
0.5	23	81	5.7	0.81	1.24	1015	2	3.02	10	6	0.07	6	407	1.33	100	10	48
0.5	42	148	7.8	0.21	4.21	1505	2	1.47	160	8	0.03	5	114	0.35	195	10	77
0.5	44	101	8.43	0.23	3.98	1465	2	1.65	150	5	0.04	5	130	0.4	209	10	65
0.5	79	176	8.46	0.33	3.83	1365	2	1.63	140	2	1.09	5	128	0.26	169	10	115
0.5	69	97	8.06	0.26	3.98	1390	2	1.74	100	2	0.73	5	139	0.26	182	10	98
0.5	38	92	6.78	0.26	3.36	1300	3	1.92	160	5	0.09	5	151	0.27	164	10	72
0.5	14	7	5.5	0.28	0.79	922	1	2.79	1150	4	0.47	5	157	0.55	32	10	37
0.5	34	44	5.54	0.17	0.8	751	1	1.89	720	2	1.41	5	129	0.43	49	10	33
0.5	20	5	5.64	0.58	0.54	1330	1	2.85	940	6	0.82	5	137	0.4	8	10	32
0.5	7	13	5.99	1.13	0.52	1670	1	2.42	900	6	0.22	5	116	0.39	5	10	30
0.5	6	3	6.17	1.7	0.52	1770	1	1.98	870	2	0.03	5	96	0.38	5	10	21
0.5	36	52	7.38	0.32	2.21	1085	1	2.19	310	4	0.04	5	166	0.58	279	10	57
0.5	36	58	7.32	0.36	2.29	1095	1	2.12	230	5	0.05	5	162	0.48	224	10	54
0.5	38	56	7.26	0.29	2.54	1160	1	2.14	200	6	0.05	5	165	0.5	226	10	59
0.5	40	52	8.14	0.27	2.45	1285	2	1.74	250	7	0.05	5	140	0.41	209	10	69
0.5	41	49	8.73	0.29	2.64	1370	1	1.84	270	9	0.03	5	157	0.45	235	10	79
0.5	41	49	9.03	0.27	2.66	1440	1	1.82	280	5	0.06	5	157	0.5	262	10	84
0.5	42	46	9.12	0.29	2.86	1495	1	1.95	290	5	0.07	5	167	0.52	265	10	79
0.5	39	49	8.39	0.25	2.76	1385	1	1.9	280	4	0.05	5	155	0.5	258	10	74
0.5	38	40	8.8	0.26	2.74	1355	1	2	270	6	0.04	5	158	0.51	268	10	81
0.5	42	34	8.51	0.29	2.71	1375	1	1.87	240	4	0.06	5	155	0.57	377	10	79
0.5	42	32	9.46	0.27	2.93	1550	1	1.76	260	6	0.05	5	136	0.65	433	10	85
0.5	44	29	9.25	0.31	2.9	1505	1	1.97	220	4	0.06	5	152	0.63	407	10	88
0.5	43	34	9.07	0.32	2.96	1485	1	1.77	240	4	0.04	5	131	0.6	443	10	88
0.5	46	30	9.19	0.3	2.94	1430	1	1.91	240	6	0.06	5	151	0.6	426	10	86
0.5	23	73	4.87	0.64	2.21	671	1	3.22	1160	5	0.02	5	841	0.44	112	10	64
0.5	39	20	7.93	0.39	2.86	1290	1	2.2	160	5	0.05	5	168	0.6	407	10	74
0.5	17	30	4.53	0.11	0.82	631	1	0.97	160	7	0.02	5	199	0.2	197	10	31
0.5	36	20	8.68	0.17	2.21	1275	1	1.82	210	3	0.02	5	184	0.53	306	10	69
0.5	58	39	11.2	0.3	3.63	1875	1	1.59	220	5	0.1	5	105	0.73	520	10	115
0.5	54	34	10.8	0.26	3.47	1750	1	1.51	220	5	0.09	5	102	0.65	448	10	102
0.5	45	19	10.2	0.31	2.67	1585	1	1.97	380	5	0.09	5	136	0.86	484	10	88
0.5	49	30	9.8	0.29	3.28	1490	1	1.77	170	4	0.05	5	143	0.55	370	10	93
0.5	45	62	10.55	0.54	2.86	1470	1	1.86	110	6	0.13	5	151	0.95	406	10	83
0.5	60	31	12	0.35	3.38	1625	1	1.45	170	4	0.19	5	119	1.09	797	10	100
0.5	55	24	10.25	0.34	3.03	1445	1	1.71	170	4	0.19	5	149	0.86	698	10	93
0.5	48	24	10.85	0.34	2.83	1480	1	2.08	290	8	0.08	5	212	0.88	613	10	88
0.5	53	47	10.85	0.58	3.2	1525	1	2.04	180	4	0.06	5	222	0.74	437	10	85
0.5	52	42	10.1	0.31	3.27	1545	1	1.7	150	7	0.12	5	146	0.81	587	10	93

3	C	680273	22	23	1.00	1.10	122	57	0.1	0.001	0.0026	0.003	8.72	5	70	0.5	2	6.89
3	C	680274	23	24	1.00	1.10	150	60	0.1	0.002	0.0023	0.003	9.02	5	90	0.5	2	6.75
3	C	680275	24	25	1.00	1.10	68	58	0.1	0.001	0.0022	0.004	8.02	5	70	0.5	2	6.74
3	C	680276	25	26	1.00	1.12	53	49	0.1	0.001	0.0028	0.004	7.77	5	120	0.5	2	6.29
3	C	680277	26	26.5	0.50	0.90	65	56	0.1	0.001	0.0035	0.006	9.14	5	140	0.5	2	6.47
3	C	680278	26.5	26.8	0.30	0.39	10	433	0.1	0.001	0.0047	0.004	6.19	5	110	1	2	6.86
3	C	680279	26.8	27	0.20	0.39	91	45	0.1	0.004	0.0049	0.009	9.65	5	210	0.5	2	7.3
3	C	680280	27	27.9	0.90	1.00	45	175	0.1	0.001	0.0056	0.006	7.97	5	310	1.1	2	7.09
3	C	680281	27.9	28.8	0.90	1.00	43	504	0.1	0.001	0.0066	0.008	5.62	5	140	0.9	2	7.68
3	C	680282	28.8	29.5	0.70	0.71	32	343	0.1	0.001	0.0058	0.006	7.08	5	220	1	2	7.18
3	C	680283	29.5	30.5	1.00	1.30	65	46	0.1	0.001	0.0081	0.021	9.46	5	120	0.5	2	6.13
3	C	680284	30.5	31.5	1.00	1.70	69	86	0.1	0.001	0.0096	0.008	8.67	7	80	0.5	2	7.87
3	C	680285	31.5	32.5	1.00	1.06	54	84	0.1	0.002	0.0114	0.011	8.4	5	50	0.5	2	7.6
3	C	680286	32.5	33.5	1.00	1.02	135	98	0.1	0.003	0.0128	0.008	8.1	5	50	0.5	2	7.2
3	C	680287	33.5	34.5	1.00	0.97	60	87	0.1	0.002	0.0076	0.004	8.55	5	50	0.5	2	7.63
3	C	680288	34.5	35.2	0.70	0.65	100	80	0.1	0.003	0.0058	0.021	9.62	5	50	0.5	2	7.36
3	C	680289	35.2	36	0.80	0.93	364	143	0.1	0.013	0.036	0.108	10.35	5	60	0.5	2	7.8
3	C	680290	36	37	1.00	1.07	835	142	0.1	0.048	0.0443	0.14	9.98	5	50	0.5	2	7.45
3	C	680291	37	38	1.00	0.99	3070	738	1.1	0.063	0.1015	0.188	10.65	5	50	0.5	2	7.89
3	C	680292	38	38.7	0.70	0.72	3260	1255	0.8	0.064	0.0733	0.273	9.8	5	40	0.5	2	7.37
3	C	680293	38.7	39.3	0.60	0.72	2190	1045	0.6	0.034	0.0404	0.17	10.3	5	70	0.5	2	7.37
3	C	680294	39.3	40.3	1.00	1.14	323	241	0.1	0.006	0.0116	0.029	8.06	5	30	0.5	2	7.75
3	C	680295	40.3	41.3	1.00	1.07	1150	477	0.1	0.025	0.0786	0.161	8.66	5	40	0.5	2	8.47
3	D	680296	26	26.75	0.75	0.83	67	59	0.1	0.001	0.0042	0.005	8.46	8	100	0.5	2	6.95
3	D	680297	26.75	27.3	0.55	0.57	18	409	0.1	0.001	0.0056	0.006	6.6	5	100	0.9	2	6.81
3	D	680298	27.3	27.6	0.30	0.30	122	39	0.1	0.001	0.0049	0.006	9.56	5	260	0.5	2	6.48
3	D	680299	27.6	28.5	0.90	1.00	30	352	0.1	0.001	0.0081	0.009	6.95	5	240	1	2	7.48
3	E	680300	32	33	1.00	1.08	227	82	0.1	0.005	0.0132	0.012	8.03	5	60	0.5	2	7.25
3	E	680301	33	34	1.00	0.94	136	83	0.1	0.003	0.0104	0.006	8.35	5	50	0.5	2	7.46
3	E	680302	34	34.8	0.80	0.88	86	78	0.1	0.003	0.0049	0.005	8.02	5	40	0.5	2	7.59
3	E	680303	34.8	35.6	0.80	1.08	274	125	0.1	0.019	0.0291	0.086	9.73	5	60	0.5	2	7.46
3	E	680304	35.6	36.4	0.80	0.70	886	362	0.1	0.048	0.0614	0.242	9.92	5	70	0.5	2	7.36
3	E	680305	36.4	37.2	0.80	1.30	963	248	0.1	0.041	0.0358	0.142	10.55	5	70	0.5	2	8.32
3	E	680306	37.2	38	0.80	0.86	2690	947	0.8	0.083	0.0524	0.223	9.97	5	70	0.5	2	7.75
3	E	680307	38	38.8	0.80	0.81	2230	1125	0.5	0.042	0.0375	0.13	9.8	5	60	0.5	2	7.63
3	E	680308	38.8	39.6	0.80	0.91	1800	899	0.6	0.029	0.0867	0.21	9.62	5	50	0.5	2	7.43
3	E	680309	39.6	40	0.40	0.44	956	392	0.1	0.021	0.0321	0.059	8.94	5	70	0.5	2	7.72
3	E	680310	40	40.4	0.40	0.37	184	199	0.1	0.005	0.0236	0.058	8.45	5	30	0.5	2	8.41
3	E	680311	40.4	41	0.60	0.67	877	336	0.1	0.018	0.1415	0.319	7.89	5	30	0.5	2	8.15
3	E	680312	41	41.5	0.50	0.54	651	281	0.5	0.069	0.0467	0.21	6.4	5	30	0.5	2	7.42
3	E	680313	41.5	42	0.50	0.49	426	217	0.1	0.024	0.1135	0.151	7.91	5	40	0.5	2	8.05
3	E	680314	42	43	1.00	1.10	168	177	0.1	0.004	0.026	0.032	8.26	5	50	0.5	2	8.41
3	E	680315	43	43.5	0.50	0.58	2550	289	1	0.04	0.125	0.168	8.09	5	30	0.5	2	7.28
3	E	680316	43.5	44	0.50	0.56	75	202	0.1	0.007	0.0856	0.077	8.68	5	30	0.5	2	8.25
3	E	680317	44	45	1.00	1.11	74	174	0.1	0.002	0.0178	0.022	8.29	5	40	0.5	2	7.77
3	E	680318	45	46	1.00	0.94	180	208	0.1	0.006	0.0746	0.114	7.94	5	40	0.5	2	8.04
3	E	680319	46	47	1.00	1.36	220	198	0.1	0.006	0.0495	0.11	7.94	5	40	0.5	2	7.29
3	E	680320	47	48	1.00	1.15	393	211	0.1	0.008	0.0362	0.053	7.95	5	30	0.5	2	8.34
3	E	680321	48	49	1.00	1.04	1495	321	0.5	0.021	0.0591	0.113	8.01	5	30	0.5	2	8.52
3	E	680322	49	50	1.00	1.04	2160	324	0.8	0.034	0.0595	0.106	7.64	5	40	0.5	2	8.21

0.5	46	24	10.25	0.32	2.84	1535	1	2	230	3	0.07	5	214	0.77	571	10	86
0.5	45	22	10.25	0.37	2.76	1500	1	2.21	340	2	0.06	5	234	0.75	500	10	76
0.5	49	28	10.7	0.33	2.95	1620	1	1.94	420	2	0.04	5	188	0.82	512	10	85
0.5	45	28	10.2	0.46	2.83	1460	1	1.87	210	5	0.04	5	233	0.81	470	10	74
0.5	38	23	8.64	0.41	2.53	1210	1	2.6	210	9	0.04	5	502	0.66	382	10	60
0.5	50	640	6.29	0.42	8.52	1390	1	1.25	1150	4	0.01	5	221	0.3	134	10	119
0.5	31	22	7.41	0.5	1.77	882	1	2.43	410	6	0.12	5	1275	0.54	300	10	38
0.5	34	520	5.83	0.54	5.38	971	1	2.08	1530	7	0.01	5	716	0.36	180	10	81
0.5	54	877	5.72	0.61	10.15	1165	1	0.75	1100	3	0.01	5	208	0.27	124	10	100
0.5	49	632	6.36	0.81	7.86	1215	1	1.83	1300	5	0.01	5	488	0.36	157	10	90
0.5	27	30	6.02	0.39	1.72	891	1	2.61	120	5	0.04	5	455	0.5	274	10	50
0.5	46	145	8.3	0.34	4.36	1475	1	1.58	220	4	0.05	5	130	0.36	207	10	93
0.5	44	95	7.86	0.21	4.21	1410	1	1.64	200	2	0.02	5	136	0.32	201	10	80
0.5	46	76	7.92	0.21	3.91	1335	1	1.75	210	2	0.07	5	154	0.36	204	10	76
0.5	43	57	8.06	0.18	3.99	1360	2	1.76	230	4	0.02	5	150	0.36	211	10	75
0.5	35	80	6.72	0.17	2.89	1080	1	2.15	210	2	0.02	5	188	0.33	182	10	62
0.5	40	282	6.8	0.22	2.88	1050	1	2.05	170	2	0.13	5	179	0.31	196	10	69
0.5	29	131	5.6	0.14	2.07	790	1	2.08	180	2	0.15	5	190	0.25	151	10	48
0.5	66	134	7.48	0.17	2.82	969	1	2.05	180	2	0.96	5	188	0.26	164	10	77
0.5	109	106	8.87	0.15	2.76	975	1	1.98	180	2	1.88	5	188	0.27	169	10	79
0.5	101	82	7.84	0.22	2.47	866	1	1.9	120	3	1.59	5	205	0.19	131	10	63
0.5	50	140	8.17	0.15	4.18	1295	1	1.55	150	2	0.17	5	145	0.3	220	10	80
0.5	82	163	9.04	0.19	4.99	1420	1	1.43	130	2	0.44	5	155	0.28	198	10	96
0.5	44	37	10.1	0.4	2.94	1460	1	1.89	300	3	0.06	5	279	0.82	458	10	73
0.5	50	651	6.96	0.37	8.37	1465	1	1.32	1200	2	0.01	5	217	0.31	124	10	114
0.5	45	27	9.26	0.55	2.46	1215	1	2.49	350	2	0.1	5	546	0.69	351	10	58
0.5	48	674	6.36	0.78	8.2	1150	1	1.34	1330	2	0.02	5	419	0.36	146	10	86
0.5	46	91	7.84	0.23	3.92	1330	1	1.53	200	2	0.13	5	140	0.29	183	10	75
0.5	47	55	8.28	0.21	4.08	1430	1	1.64	220	2	0.07	5	123	0.34	208	10	79
0.5	44	52	7.93	0.19	3.68	1280	1	1.66	210	3	0.05	5	117	0.32	188	10	66
0.5	43	98	7.41	0.21	3.14	1160	1	1.99	160	2	0.13	5	178	0.31	189	10	65
0.5	56	207	8.46	0.26	3.42	1185	1	2.08	180	2	0.4	5	176	0.29	177	10	76
0.5	37	144	6.49	0.22	2.76	941	1	1.92	150	2	0.25	5	198	0.23	158	10	62
0.5	80	102	7.72	0.3	2.77	945	1	1.89	160	2	1.25	5	196	0.21	144	10	78
0.5	102	120	9.32	0.3	3.09	1110	1	1.92	190	2	1.58	5	193	0.3	203	10	83
0.5	96	99	9.29	0.24	3.16	1165	2	2.1	210	4	1.32	5	192	0.34	216	10	76
0.5	63	138	7.36	0.31	3.2	1105	2	1.73	240	2	0.49	5	190	0.35	229	10	72
0.5	53	142	8.12	0.17	4.67	1350	2	1.47	160	2	0.06	5	150	0.27	207	10	82
0.5	71	150	10.05	0.18	4.74	1585	1	1.5	110	6	0.25	5	146	0.4	251	10	96
0.5	66	166	10.2	0.16	4.28	1595	1	1.27	90	2	0.15	5	134	0.62	338	10	88
0.5	55	156	9.51	0.19	4.67	1570	1	1.36	160	4	0.05	5	153	0.43	262	10	88
0.5	57	171	8.87	0.24	4.72	1550	1	1.42	130	2	0.02	5	178	0.48	275	10	96
0.5	73	150	13.7	0.24	4.46	2200	2	1.33	290	6	0.44	5	97	0.65	312	10	129
0.5	58	160	10.5	0.19	4.82	1915	1	1.63	140	2	0.04	5	178	0.59	307	10	105
0.5	54	147	11.1	0.23	4.33	1945	1	1.5	80	2	0.03	5	155	0.58	286	10	105
0.5	58	142	10.9	0.2	4.97	2050	1	1.56	80	3	0.04	5	159	0.77	293	10	112
0.5	56	153	9.68	0.19	4.35	1755	1	1.7	90	2	0.06	5	197	0.66	280	10	99
0.5	63	144	9.63	0.2	5.05	1690	1	1.34	120	2	0.1	5	177	0.58	271	10	111
0.5	65	156	9.82	0.2	4.71	1635	2	1.35	140	4	0.25	5	193	0.65	277	10	112
0.5	65	150	9.78	0.22	4.91	1595	1	1.22	160	2	0.34	5	157	0.6	261	10	109

3	E	680323	50	51	1.00	1.16	1895	416	0.6	0.028	0.0923	0.171	8.04	5	50	0.5	2	8.5
3	E	680324	51	52	1.00	1.02	1105	317	0.1	0.021	0.0584	0.118	7.83	5	50	0.5	2	8.38
3	E	680325	52	53	1.00	1.05	795	338	0.1	0.015	0.0689	0.153	7.29	5	60	0.5	2	7.38
3	E	680326	53	54	1.00	1.02	1225	341	0.6	0.027	0.0923	0.242	7.29	5	80	0.5	2	7.36
3	E	680327	54	54.8	0.80	0.83	1940	420	0.7	0.027	0.0503	0.182	7.9	5	60	0.5	2	7.86
3	E	680328	54.8	55.7	0.90	0.81	2120	412	0.6	0.032	0.0919	0.178	7.5	5	50	0.5	2	7.52
3	F	680329	50	50.7	0.70	0.94	1425	351	0.5	0.014	0.0572	0.098	7.82	5	50	0.5	2	8.08
3	F	680330	50.7	51.3	0.60	0.80	904	302	0.1	0.01	0.0355	0.063	7.76	5	70	0.5	2	7.82
3	F	680331	51.3	52	0.70	0.61	252	326	0.1	0.003	0.0498	0.088	7.03	5	80	0.5	2	7.47
3	G	680332	55.5	55.9	0.40	0.41	2270	495	0.9	0.029	0.0906	0.184	7.77	5	40	0.5	2	8
3	G	680333	55.9	56.6	0.70	0.60	876	358	0.1	0.014	0.0442	0.075	7.33	5	100	0.5	2	7.24
3	G	680334	56.6	57.5	0.90	0.90	2370	522	0.7	0.039	0.0681	0.237	7.36	5	130	0.5	2	6.62
3	G	680335	57.5	58.2	0.70	0.82	364	315	0.1	0.003	0.0264	0.182	6.79	5	240	0.5	2	4.6
3	G	680336	58.2	59	0.80	1.00	105	76	0.1	0.002	0.0016	0.005	7.28	5	70	0.5	2	6.96
3	G	680337	59	60	1.00	1.08	17	74	0.1	0.001	0.0007	0.002	7.83	5	50	0.8	2	8.1
3	G	680338	60	61	1.00	0.98	19	59	0.1	0.001	0.0007	0.001	7.77	5	40	0.6	2	7.89
3	G	680339	61	62	1.00	1.06	6	61	0.1	0.001	0.0006	0.001	7.74	5	40	0.6	2	8.17
3	G	680340	62	63	1.00	1.15	18	63	0.1	0.001	0.0005	0.001	7.52	5	40	0.6	2	7.9
3	G	680341	63	64	1.00	1.06	29	79	0.1	0.001	0.0036	0.001	7.42	7	60	0.6	2	7.67
3	G	680342	64	64.9	0.90	0.87	89	112	0.1	0.001	0.0124	0.012	6.64	5	50	0.5	2	8.04
3	H	680509	35	36	1.00	1.02	688	220	0.1	0.041	0.0419	0.185	9.74	5	60	0.5	2	6.59
3	H	680510	36	37	1.00	1.02	2010	316	0.5	0.072	0.0614	0.206	10.15	5	90	0.5	2	6.66
3	H	680511	37	38	1.00	1.05	2390	600	0.5	0.049	0.0561	0.127	10.1	5	50	0.5	2	6.78
3	H	680512	38	39	1.00	0.98	991	539	0.1	0.024	0.0511	0.112	9.52	5	50	0.5	2	6.84
3	H	680513	39	40	1.00	1.00	760	338	0.1	0.022	0.0383	0.086	8.33	5	40	0.5	2	6.77
3	H	680514	40	41	1.00	0.98	1745	522	0.5	0.026	0.031	0.074	7.88	5	40	0.5	2	7.02
3	H	680515	41	42	1.00	1.04	828	289	0.1	0.1	0.0166	0.041	8.62	7	40	0.5	2	6.77
3	H	680516	42	43	1.00	0.99	1455	682	0.1	0.02	0.0469	0.099	7.75	5	40	0.5	2	6.84
3	H	680517	43	44	1.00	0.86	1775	1015	0.5	0.022	0.1025	0.232	6.49	5	30	0.5	2	6.65
4	A	680343	0	1	1.00	0.96	155	41	0.1	0.001	0.0026	0.003	8.29	14	80	0.5	2	6.39
4	A	680344	1	2	1.00	0.98	122	52	0.1	0.001	0.0036	0.003	7.9	10	60	0.5	2	6.7
4	A	680345	2	2.4	0.40	0.53	120	53	0.1	0.002	0.003	0.005	8.5	7	60	0.5	2	6.41
4	A	680346	2.4	3.9	1.50	0.80	38	45	0.1	0.001	0.0022	0.002	8.69	17	50	0.5	2	6.73
4	A	680347	3.9	5	1.10	1.14	27	43	0.1	0.001	0.0023	0.014	8.33	8	40	0.5	2	6.8
4	A	680348	5	6	1.00	0.98	55	45	0.1	0.001	0.0016	0.002	7.97	6	60	0.5	2	6.03
4	A	680349	6	7	1.00	1.40	66	52	0.1	0.001	0.0024	0.011	7.65	5	30	0.5	2	6.26
4	A	680350	7	8	1.00	0.97	98	59	0.1	0.002	0.0079	0.02	7.52	5	50	0.5	2	6.12
4	A	680351	8	9	1.00	1.01	111	51	0.1	0.001	0.0136	0.013	8.29	5	70	0.5	2	6.99
4	A	680352	9	10	1.00	1.02	33	53	0.1	0.001	0.0025	0.004	9.61	5	70	0.5	2	7.56
4	B	680353	10	11	1.00	0.94	56	55	0.1	0.001	0.0034	0.002	8.81	5	70	0.5	2	7.28
4	B	680354	11	12	1.00	0.98	55	56	0.1	0.001	0.0056	0.008	9.15	17	70	0.5	2	7.56
4	B	680355	12	13	1.00	1.05	57	60	0.1	0.001	0.0062	0.012	9.25	5	70	0.5	2	7.71
4	B	680356	13	14	1.00	0.83	103	59	0.1	0.001	0.0041	0.004	9.11	5	60	0.5	2	7.88
4	B	680357	14	15	1.00	0.99	113	59	0.1	0.001	0.0071	0.023	9.14	6	70	0.5	2	7.85
4	B	680358	15	16	1.00	0.95	122	57	0.1	0.001	0.0116	0.019	8.98	5	60	0.5	2	7.49
4	C	680359	15	16	1.00	0.99	138	77	0.1	0.004	0.0095	0.009	9.24	5	70	0.5	2	7.48
4	C	680360	16	17	1.00	1.08	119	74	0.1	0.004	0.0066	0.003	9.44	5	90	0.5	2	7.18
4	C	680361	17	18	1.00	0.98	120	75	0.1	0.003	0.0059	0.003	9.31	5	70	0.5	2	7.42
4	C	680362	18	19	1.00	0.98	188	73	0.1	0.004	0.0052	0.003	9.06	5	70	0.5	2	7.76
4	C	680363	19	20	1.00	0.98	179	60	0.1	0.003	0.0051	0.002	8.78	5	70	0.5	2	7.47

0.5	70	150	10.4	0.26	5.33	1710	1	1.35	160	2	0.34	5	163	0.63	273	10	115
0.5	61	147	9.98	0.25	5.36	1625	1	1.21	180	2	0.19	5	151	0.63	269	10	104
0.5	64	144	10.4	0.28	5.37	1680	2	1.16	220	2	0.16	5	120	0.58	247	10	104
0.5	68	129	10.8	0.3	5.12	1745	1	1.38	200	2	0.25	5	160	0.58	237	10	108
0.5	70	130	9.84	0.29	5.43	1585	1	1.34	280	2	0.36	5	173	0.59	242	10	110
0.5	65	130	9.95	0.23	5.35	1640	7	1.29	280	2	0.32	5	151	0.62	243	10	113
0.5	71	148	10.35	0.27	5.22	1675	1	1.28	170	2	0.31	5	158	0.56	258	10	114
0.5	64	134	10	0.32	5.04	1575	1	1.29	140	2	0.19	5	158	0.57	255	10	106
0.5	66	148	11.35	0.38	5.2	1785	1	1.26	100	5	0.13	5	125	0.66	264	10	101
0.5	74	118	10.35	0.25	5.61	1670	1	1.26	270	5	0.38	5	155	0.63	255	10	110
0.5	66	119	9.74	0.4	5.95	1650	1	1.19	220	2	0.11	5	138	0.55	228	10	103
0.5	78	132	10.5	0.35	5.33	1670	1	1.4	280	2	0.48	5	143	0.59	248	10	112
0.5	73	89	11.55	0.73	5.58	1720	2	1.55	280	2	0.38	5	92	0.79	316	10	98
0.5	48	41	9.24	0.17	3.48	1735	1	1.97	220	2	0.03	5	230	1.08	331	10	75
0.5	44	35	8.4	0.13	3.17	1825	1	2.38	250	2	0.01	5	254	1.16	371	10	64
0.5	36	35	7.06	0.09	2.97	1755	1	2.67	70	2	0.01	5	270	1.16	230	10	60
0.5	39	33	8.16	0.1	2.85	1885	1	2.6	80	2	0.01	5	309	1.17	342	10	68
0.5	45	36	9.7	0.14	2.82	1930	1	2.51	180	2	0.01	5	283	1.12	362	10	85
0.5	51	49	10.4	0.17	3.23	1855	2	2.46	500	2	0.01	5	221	1.1	362	10	102
0.5	56	81	10.55	0.16	3.61	1920	2	1.92	450	2	0.08	5	187	0.97	346	10	104
0.5	46	728	7.54	0.23	3.02	1205	1	2.06	130	5	0.27	5	185	0.37	289	10	111
0.5	40	284	5.7	0.31	2.04	825	1	2.1	150	5	0.45	5	209	0.24	161	10	79
0.5	64	97	7.5	0.18	2.73	1055	1	2.1	200	11	0.74	5	208	0.32	146	10	80
0.5	70	119	7.9	0.21	3.32	1170	1	1.79	110	2	0.7	5	163	0.27	177	10	73
0.5	59	135	8.44	0.17	4.12	1400	1	1.52	170	11	0.34	5	138	0.31	228	10	83
0.5	70	157	8.93	0.16	4.46	1445	1	1.4	150	10	0.56	5	144	0.31	244	10	99
0.5	64	157	8.55	0.18	4.54	1435	1	1.46	150	7	0.2	5	166	0.28	214	10	101
0.5	94	137	9.86	0.18	4.37	1485	1	1.41	180	5	0.84	5	161	0.33	242	10	101
0.5	125	146	11.1	0.16	4.61	1635	1	1.24	240	3	1.48	5	134	0.48	294	10	109
0.5	46	15	9.26	0.36	2.5	1370	1	1.64	230	4	0.16	5	143	0.72	472	10	75
0.5	55	19	10.75	0.33	2.87	1590	1	1.53	290	5	0.14	5	120	0.87	591	10	80
0.5	47	24	9.52	0.32	2.49	1320	1	1.96	310	7	0.12	5	147	0.71	402	10	72
0.5	42	44	8.72	0.28	2.89	1290	1	1.84	240	3	0.02	5	134	0.5	285	10	70
0.5	46	46	10.05	0.29	3.1	1470	1	1.56	230	5	0.01	5	101	0.52	324	10	76
0.5	40	50	9.21	0.32	2.86	1350	1	1.79	210	4	0.04	5	127	0.55	294	10	77
0.5	44	41	9.95	0.27	2.92	1500	1	1.61	220	4	0.06	5	108	0.61	314	10	77
0.5	44	36	8.91	0.27	2.7	1290	1	1.65	210	9	0.1	5	136	0.63	327	10	66
0.5	46	45	10.05	0.31	3.05	1570	1	1.87	310	8	0.09	8	152	0.68	317	10	92
0.5	38	63	8.63	0.28	3.09	1355	1	2.24	210	2	0.02	8	175	0.4	199	10	79
0.5	39	65	8.65	0.28	2.77	1370	1	2.02	310	2	0.06	5	164	0.41	196	10	75
0.5	39	50	8.4	0.28	3.21	1370	1	1.97	220	4	0.06	10	148	0.34	198	10	83
0.5	41	47	8.42	0.26	3.3	1345	1	2.05	220	2	0.06	5	150	0.45	260	10	75
0.5	42	33	9.21	0.26	3.21	1465	1	2.18	190	2	0.06	5	160	0.67	352	10	78
0.5	46	30	9.49	0.29	3.24	1455	1	1.86	260	5	0.09	8	136	0.59	420	10	78
0.5	42	30	9.26	0.29	3.18	1425	1	1.89	250	6	0.06	7	144	0.54	390	10	76
0.5	40	32	8.64	0.28	3.36	1420	1	2.18	270	5	0.07	5	180	0.4	255	10	80
0.5	43	34	8.83	0.37	3.36	1435	1	2.41	270	8	0.03	5	204	0.49	313	10	82
0.5	46	31	9.25	0.3	3.35	1490	1	2.22	220	3	0.06	11	178	0.55	401	10	91
0.5	48	26	9.71	0.3	3.41	1535	1	2.04	230	3	0.1	5	158	0.67	483	10	97
0.5	49	24	9.57	0.3	3.27	1490	1	1.99	240	6	0.08	8	163	0.66	469	10	94

4	C	680364	20	21	1.00	0.98	176	52	0.1	0.003	0.0037	0.002	9.07	5	60	0.5	2	7.43
4	C	680365	21	22	1.00	0.98	185	54	0.1	0.003	0.0027	0.003	8.96	5	70	0.5	2	7.79
4	C	680366	22	23	1.00	0.99	162	56	0.1	0.002	0.0022	0.004	8.7	5	70	0.5	2	7.52
4	C	680367	23	24	1.00	1.00	268	62	0.1	0.004	0.0021	0.002	7.66	5	60	0.5	2	6.67
4	C	680368	24	25	1.00	1.10	95	51	0.1	0.001	0.0019	0.002	8.84	5	70	0.5	2	7.49
4	C	680369	25	26	1.00	0.98	101	54	0.1	0.001	0.0022	0.005	8.31	5	70	0.5	2	7.45
4	C	680370	26	27	1.00	1.06	155	44	0.1	0.001	0.0026	0.003	7.87	5	70	0.5	2	6.65
4	C	680371	27	27.8	0.80	0.89	157	68	0.1	0.001	0.005	0.012	9.48	5	100	0.5	2	6.8
4	C	680372	27.8	28.1	0.30	0.25	190	68	0.1	0.001	0.0177	0.021	8.2	8	190	0.5	2	7.99
4	C	680373	28.1	28.5	0.40	0.49	947	262	0.1	0.019	0.0036	0.018	6.69	5	180	0.9	2	6.69
4	C	680374	28.5	29.1	0.60	0.81	23	467	0.1	0.001	0.0081	0.008	5.85	5	210	0.8	2	7.66
4	C	680375	29.1	29.7	0.60	0.68	11	403	0.1	0.001	0.0056	0.007	6.52	12	280	0.8	2	7.5
4	C	680376	29.7	30.3	0.60	0.63	62	87	0.1	0.001	0.0069	0.011	8.71	5	100	0.5	2	7.72
4	C	680377	30.3	31	0.70	0.80	46	81	0.1	0.001	0.0072	0.007	8.65	5	80	0.5	2	7.64
4	C	680378	31	32	1.00	1.00	299	80	0.1	0.005	0.0083	0.008	8.03	5	50	0.5	2	7.14
4	C	680379	32	33	1.00	1.01	122	77	0.1	0.003	0.0071	0.005	8.3	5	60	0.5	2	7.49
4	C	680380	33	34	1.00	0.98	101	68	0.1	0.002	0.0021	0.004	8.35	5	60	0.5	2	7.63
4	C	680381	34	34.7	0.70	0.74	383	83	0.1	0.008	0.0097	0.037	9.86	5	80	0.5	2	7.42
4	C	680382	34.7	35.6	0.90	0.77	314	55	0.1	0.006	0.0021	0.005	9.61	7	90	0.5	2	7.33
4	C	680383	35.6	36.3	0.70	0.70	219	201	0.1	0.003	0.0056	0.013	8.34	5	40	0.5	2	8.65
4	C	680384	36.3	37	0.70	0.71	748	256	0.1	0.014	0.0273	0.057	7.99	5	40	0.5	2	8.22
4	C	680385	37	38	1.00	1.03	283	167	0.1	0.004	0.0469	0.034	8.12	5	60	0.5	2	7.6
4	C	680386	38	39	1.00	1.02	295	225	0.1	0.004	0.0185	0.055	8.41	5	40	0.5	2	8.55
4	C	680387	39	39.6	0.60	0.62	2690	504	0.7	0.04	0.0864	0.184	8.23	8	50	0.5	2	8.38
4	D	680388	25	26	1.00	1.06	340	54	0.1	0.004	0.0029	0.004	8.42	5	60	0.5	2	6.62
4	D	680389	26	27	1.00	1.04	140	48	0.1	0.001	0.0028	0.003	8.62	5	60	0.5	2	6.99
4	D	680390	27	27.3	0.30	0.31	87	64	0.1	0.008	0.0105	0.057	9.55	5	160	0.7	2	5.94
4	D	680391	27.3	28	0.70	0.67	14	280	0.1	0.001	0.0071	0.01	7.86	11	150	1	2	6.4
4	D	680392	28	29	1.00	1.08	10	361	0.1	0.001	0.0057	0.007	6.52	5	240	0.8	2	7.08
4	D	680393	29	29.6	0.60	0.67	11	394	0.1	0.001	0.0046	0.006	5.91	5	290	0.7	2	6.93
4	D	680394	29.6	30.2	0.60	0.60	16	328	0.1	0.001	0.0052	0.007	7.04	5	260	0.9	2	7.2
4	D	680395	30.2	31.2	1.00	1.02	78	96	0.1	0.013	0.0156	0.078	8.88	5	120	0.5	2	6.93
4	D	680396	31.2	32	0.80	0.80	55	75	0.1	0.001	0.006	0.007	8.74	5	60	0.5	2	7.36
4	D	680397	32	33	1.00	1.08	85	73	0.1	0.002	0.0103	0.007	8.32	5	60	0.5	2	7.18
4	D	680398	33	34	1.00	1.10	81	81	0.1	0.002	0.0102	0.009	8.5	5	60	0.5	2	7.34
4	D	680399	34	34.7	0.70	0.78	73	77	0.1	0.001	0.0045	0.003	8.64	5	60	0.5	2	7.38
4	D	680400	34.7	35.4	0.70	0.75	60	75	0.1	0.001	0.0023	0.005	8.7	5	60	0.5	2	7.17
4	D	680401	35.4	36	0.60	0.68	154	77	0.1	0.002	0.0192	0.07	9.93	11	60	0.5	2	6.99
4	D	680402	36	36.5	0.50	0.58	128	85	0.1	0.002	0.0114	0.01	9.13	5	60	0.5	2	6.81
4	D	680403	36.5	37.2	0.70	0.60	153	196	0.1	0.003	0.0162	0.02	8.55	5	40	0.5	2	8.29
4	D	680404	37.2	38	0.80	0.84	995	350	0.1	0.016	0.0807	0.166	7.6	5	30	0.5	2	7.6
4	D	680405	38	39	1.00	1.06	847	562	0.1	0.016	0.0827	0.192	8.2	5	40	0.5	2	8.1
4	D	680406	39	39.5	0.50	0.60	433	260	0.1	0.011	0.0178	0.105	8.23	5	40	0.5	2	8.34
4	E	680407	41	42	1.00	1.02	1265	325	0.1	0.02	0.0589	0.118	8.3	5	40	0.5	2	8.71
4	E	680408	42	43	1.00	0.92	721	240	0.1	0.011	0.0495	0.077	7.88	5	40	0.5	2	7.81
4	E	680409	43	44	1.00	0.92	333	177	0.1	0.005	0.021	0.038	8.1	5	40	0.5	2	8.15
4	E	680410	44	45	1.00	0.92	866	265	0.1	0.01	0.0433	0.084	8.49	6	50	0.5	2	7.54
4	E	680411	45	46	1.00	1.07	4070	543	0.9	0.074	0.0854	0.218	7.71	6	30	0.5	2	8.11
4	E	680412	46	47	1.00	1.02	5210	7700	1	0.018	0.0902	0.417	5.61	5	30	0.5	2	5.94
4	E	680413	47	48	1.00	0.98	586	294	0.1	0.007	0.0122	0.033	7.99	5	40	0.5	2	7.97

0.5	47	28	9.63	0.29	3.3	1525	1	2.1	260	2	0.07	5	166	0.59	413	10	97
0.5	51	30	10.15	0.29	3.46	1630	1	2.02	190	3	0.08	5	159	0.63	443	10	102
0.5	54	28	10.8	0.29	3.45	1690	1	1.99	190	2	0.08	5	169	0.67	452	10	103
0.5	51	33	10.75	0.3	3.23	1610	1	1.93	110	11	0.07	11	128	0.85	662	10	99
0.5	47	21	10.05	0.3	3.06	1495	1	1.94	280	5	0.06	5	165	0.72	519	10	84
0.5	47	28	11	0.35	3.05	1585	1	1.83	290	5	0.1	6	167	0.87	575	10	85
0.5	52	30	11.25	0.33	3.03	1725	1	1.68	510	7	0.19	7	159	0.88	502	10	86
0.5	53	36	9.62	0.41	2.52	1355	1	2.41	220	5	0.28	5	263	0.68	348	10	69
0.5	44	89	9.79	0.55	1.74	1085	1	1.11	140	9	0.25	5	1120	0.59	230	10	52
0.5	60	538	9.44	0.51	6.51	1485	1	1.45	1150	5	0.2	5	260	0.49	179	10	112
0.5	50	827	6.33	0.8	9.97	1275	1	0.75	1250	2	0.01	5	187	0.29	127	10	106
0.5	48	742	7.14	1.1	8.87	1345	1	1.01	1440	10	0.01	5	219	0.33	141	10	107
0.5	43	144	8.29	0.33	4.23	1285	1	1.94	280	5	0.05	5	284	0.41	206	10	74
0.5	41	118	8.34	0.25	4.45	1390	1	1.8	200	4	0.04	5	180	0.29	188	10	74
0.5	50	84	9.6	0.26	3.91	1470	1	1.81	230	6	0.17	5	157	0.38	213	10	84
0.5	43	67	8.52	0.24	4.17	1435	1	1.95	240	4	0.05	5	155	0.35	207	10	80
0.5	44	50	9.02	0.23	4.08	1470	1	1.93	240	2	0.04	5	152	0.36	211	10	78
0.5	38	535	7.79	0.28	2.64	1160	1	2.23	200	4	0.13	7	178	0.48	341	10	81
0.5	33	52	6.74	0.32	2.61	1055	1	2.3	210	2	0.06	5	197	0.37	189	10	60
0.5	53	170	7.78	0.24	4.98	1290	1	1.37	140	4	0.04	5	169	0.24	205	10	75
0.5	52	171	7.68	0.21	4.77	1275	1	1.46	110	4	0.13	6	181	0.21	191	10	82
0.5	51	148	9.01	0.23	4.3	1500	1	1.97	80	5	0.07	5	187	0.41	206	10	93
0.5	55	174	8.8	0.19	4.87	1395	1	1.56	130	2	0.08	5	177	0.31	258	10	90
0.5	74	197	9.19	0.18	4.68	1445	1	1.32	140	2	0.51	5	173	0.36	304	10	119
0.5	55	37	11.35	0.31	2.81	1825	1	1.75	330	2	0.23	5	157	1.29	511	10	90
0.5	48	28	10.6	0.28	2.95	1595	1	1.95	360	8	0.13	5	189	0.84	474	10	87
0.5	30	76	7.07	0.42	2.24	1080	1	3.03	340	6	0.03	5	494	0.57	217	10	64
0.5	40	472	6.09	0.54	6.01	1170	1	1.83	900	5	0.01	5	406	0.36	155	10	83
0.5	46	711	6.9	0.87	7.51	1255	1	1.11	1420	4	0.01	5	288	0.31	133	10	88
0.5	47	875	7.02	1.16	8.01	1290	1	0.83	1390	6	0.01	5	209	0.28	124	10	90
0.5	47	701	7.1	0.88	7.47	1290	1	1.21	1460	4	0.01	5	325	0.33	144	10	89
0.5	43	134	7.78	0.36	3.62	1305	1	2.16	270	7	0.07	5	272	0.36	182	10	67
0.5	43	137	7.48	0.22	4.12	1290	1	1.67	190	4	0.04	5	145	0.29	185	10	68
0.5	44	96	8.29	0.23	3.94	1410	1	1.65	180	2	0.05	5	157	0.36	207	10	78
0.5	45	88	8.29	0.22	4.09	1485	1	1.69	230	5	0.04	5	142	0.35	207	10	64
0.5	47	65	9.05	0.25	4.07	1565	1	1.67	220	4	0.04	5	132	0.37	220	10	80
0.5	43	65	8.38	0.24	3.67	1400	1	1.81	230	2	0.03	5	147	0.35	190	10	77
0.5	33	191	6.51	0.21	2.18	982	1	2.53	180	2	0.08	5	229	0.26	158	10	58
0.5	43	121	8.92	0.23	3.29	1495	1	2.23	10	3	0.03	5	190	0.62	226	10	80
0.5	57	172	8.66	0.21	4.7	1440	1	1.38	60	2	0.04	5	146	0.37	205	10	83
0.5	66	153	8.52	0.19	4.51	1320	1	1.3	70	2	0.26	5	144	0.28	222	10	87
0.5	89	151	9.22	0.2	4.59	1380	1	1.46	80	4	0.65	5	161	0.3	259	10	90
0.5	62	171	8.74	0.22	4.78	1415	1	1.27	100	4	0.13	5	159	0.36	296	10	97
0.5	63	168	8.99	0.17	4.68	1500	1	1.24	100	2	0.27	5	181	0.54	286	10	108
0.5	60	161	8.84	0.17	4.44	1550	1	1.45	130	2	0.13	5	159	0.53	278	10	140
0.5	56	177	9.01	0.16	4.39	1530	1	1.49	110	4	0.05	5	172	0.54	279	10	94
0.5	69	187	10.35	0.21	4.64	1810	1	1.47	80	2	0.16	5	174	0.62	303	10	157
0.5	77	176	11.85	0.17	4.5	1855	1	1.2	160	2	0.86	5	170	0.61	288	10	144
0.5	584	144	21.3	0.14	3.55	1355	1	0.87	100	2	7.06	5	103	0.44	203	10	111
0.5	58	181	9.93	0.17	5.06	1730	1	1.37	130	2	0.18	5	184	0.6	289	10	119

4	E	680414	48	49	1.00	1.08	3080	1610	0.1	0.033	0.0674	0.249	7.85	5	40	0.5	2	7.77
4	E	680415	49	50	1.00	0.91	1790	484	0.1	0.024	0.0364	0.086	8.03	5	40	0.5	2	8.03
4	E	680416	50	51	1.00	1.01	3010	942	0.6	0.055	0.0669	0.194	7.56	9	40	0.5	2	7.74
4	E	680417	51	52	1.00	1.05	961	607	0.1	0.01	0.178	0.071	7.55	5	50	0.5	2	7.74
4	E	680418	52	53	1.00	0.97	2880	1600	0.6	0.025	0.0523	0.207	7.03	5	50	0.5	2	7.11
4	E	680419	53	54	1.00	0.98	4460	1350	1	0.039	0.0677	0.329	6.5	5	70	0.5	2	6.34
4	E	680420	54	55	1.00	1.01	4660	757	1.1	0.052	0.1025	0.248	7.6	5	80	0.5	2	7.56
4	F	680421	55	56	1.00	1.06	1065	326	0.1	0.015	0.0326	0.085	7.89	5	110	0.5	2	7.29
4	G	680422	56	57	1.00	0.92	1080	621	0.1	0.013	0.269	0.15	6.93	5	60	0.5	2	7.46
4	G	680423	57	58	1.00	1.02	32	62	0.1	0.001	0.0012	0.001	7.42	5	60	0.5	2	8.26
4	G	680424	58	59	1.00	1.06	33	68	0.1	0.001	0.0005	0.001	7.45	10	60	0.5	2	8.22
4	G	680425	59	60	1.00	1.07	90	77	0.1	0.001	0.0027	0.011	7.53	5	50	0.5	2	8.4
4	G	680426	60	61	1.00	1.17	990	228	0.1	0.022	0.1165	0.096	7.38	5	50	0.5	2	8.04
4	G	680427	61	61.9	0.90	0.86	602	150	0.1	0.01	0.0167	0.041	7.41	5	50	0.5	2	8.25
5	A	680428	0	1	1.00	1.00	118	45	0.1	0.002	0.0019	0.002	8.88	5	70	0.5	2	7.05
5	A	680429	1	2	1.00	1.20	151	47	0.1	0.001	0.0021	0.002	8.54	5	80	0.5	2	7.09
5	A	680430	2	3	1.00	1.40	229	46	0.1	0.004	0.0023	0.002	8.46	5	90	0.5	2	7.03
5	A	680431	3	4	1.00	1.10	121	46	0.1	0.001	0.0028	0.003	7.57	5	80	0.5	2	6.83
5	A	680432	4	5	1.00	1.00	98	47	0.1	0.001	0.002	0.002	8.24	5	130	0.5	2	6.38
5	A	680433	5	6	1.00	1.20	58	48	0.1	0.001	0.0031	0.008	9.08	5	80	0.5	2	6.93
5	A	680434	6	6.9	0.90	0.90	114	46	0.1	0.001	0.0025	0.008	9.76	5	90	0.5	2	7.26
5	A	680435	6.9	7.3	0.40	0.42	22	239	0.1	0.001	0.0028	0.005	3.1	5	40	0.5	2	7.29
5	A	680436	7.3	8	0.70	0.75	174	46	0.1	0.004	0.0368	0.124	10	5	100	0.5	2	7.36
5	A	680437	8	9	1.00	1.04	57	72	0.1	0.001	0.0021	0.002	9.95	5	80	0.5	2	7.81
5	A	680438	9	10	1.00	1.10	88	54	0.1	0.001	0.0017	0.002	9.12	5	110	0.5	2	7.3
5	A	680439	10	11	1.00	1.05	50	61	0.1	0.001	0.0019	0.002	9.94	5	100	0.5	2	7.78
5	A	680440	11	12	1.00	1.01	47	60	0.1	0.003	0.0037	0.005	9.57	5	90	0.5	2	7.49
5	A	680441	12	13	1.00	0.85	102	50	0.1	0.002	0.0107	0.006	9.28	5	100	0.5	2	6.64
5	B	680442	14	15	1.00	1.01	78	66	0.1	0.004	0.0094	0.014	9.48	5	80	0.5	2	7.31
5	B	680443	15	16	1.00	1.02	149	67	0.1	0.003	0.0069	0.003	9.49	5	70	0.5	3	7.72
5	B	680444	16	17	1.00	1.05	181	69	0.1	0.003	0.0062	0.003	9.58	5	70	0.5	2	7.68
5	B	680445	17	18	1.00	1.03	191	65	0.1	0.004	0.0057	0.003	9.27	5	60	0.5	2	7.56
5	B	680446	18	19	1.00	0.99	171	60	0.1	0.003	0.0058	0.003	9.66	5	70	0.5	2	7.84
5	B	680447	19	20	1.00	1.03	172	56	0.1	0.003	0.0047	0.002	9.24	5	80	0.5	2	7.5
5	B	680448	20	21	1.00	1.03	263	64	0.1	0.005	0.0031	0.003	9.6	5	70	0.5	2	8.21
5	B	680449	21	22	1.00	1.02	191	60	0.1	0.003	0.0014	0.001	9.38	5	70	0.5	2	7.73
5	B	680450	22	23	1.00	1.07	205	66	0.1	0.002	0.0024	0.002	9	5	90	0.5	2	7.21
5	B	680451	23	24	1.00	1.04	107	54	0.1	0.001	0.0013	0.001	9.13	5	90	0.5	2	7.67
5	B	680452	24	25	1.00	0.93	109	53	0.1	0.001	0.003	0.003	8.95	5	90	0.5	2	7.44
5	B	680453	25	25.8	0.80	0.80	79	58	0.1	0.001	0.0034	0.004	8.94	5	100	0.5	2	7.43
5	C	680454	25.5	26	0.50	0.50	77	48	0.1	0.001	0.0255	0.014	9.8	7	280	0.5	2	6.96
5	C	680455	26	27	1.00	1.02	315	132	0.1	0.007	0.1125	0.077	9.84	5	170	0.5	2	7.69
5	C	680456	27	27.4	0.40	0.40	87	104	0.1	0.001	0.0045	0.011	9.46	5	220	0.5	2	7.7
5	C	680457	27.4	28	0.60	0.70	44	276	0.1	0.001	0.0054	0.007	7.96	5	200	0.9	2	7.07
5	C	680458	28	29	1.00	1.08	61	381	0.1	0.001	0.0074	0.011	7.62	5	220	0.9	2	8.52
5	C	680459	29	30	1.00	1.18	50	540	0.1	0.001	0.0058	0.006	6.32	12	70	0.9	2	8.59
5	C	680460	30	31	1.00	1.02	110	397	0.1	0.001	0.0057	0.007	7.63	5	160	1.1	2	8.42
5	C	680461	31	31.5	0.50	0.50	120	310	0.1	0.001	0.0057	0.006	8.24	5	220	1.1	2	7.81
5	C	680462	31.5	32	0.50	0.52	138	92	0.1	0.002	0.0122	0.007	9.36	5	210	0.5	2	8.18
5	C	680463	32	33	1.00	0.98	84	95	0.1	0.001	0.0146	0.006	9.37	5	120	0.5	2	7.87

0.5	151	175	12.8	0.17	5.37	1860	2	1.25	230	3	1.77	5	166	0.5	235	10	141
0.5	65	175	10.55	0.2	5.28	1725	1	1.3	150	2	0.46	5	185	0.6	281	10	129
0.5	102	184	11.5	0.2	5.58	1815	1	1.22	170	2	1.04	5	185	0.58	259	10	152
0.5	82	149	10.95	0.22	5.8	1775	1	1.18	160	5	0.58	5	150	0.61	254	10	124
0.5	151	155	11.85	0.21	5.73	1685	1	1.06	150	2	1.87	5	129	0.54	234	10	129
0.5	154	141	11.85	0.21	5.78	1685	1	0.93	220	2	1.88	5	88	0.48	207	10	166
0.5	83	170	10.8	0.26	5.69	1735	1	1.22	190	2	0.78	5	170	0.62	256	10	147
0.5	65	145	10.1	0.26	5.6	1730	1	1.47	200	4	0.26	5	178	0.64	260	10	119
0.5	94	120	12.45	0.18	4.23	1975	1	1.66	450	2	1.24	5	194	1.09	378	10	100
0.5	50	36	10.3	0.18	2.91	1800	1	2.07	470	2	0.01	5	246	1.08	352	10	86
0.5	52	46	10.95	0.19	2.97	1980	1	2.23	210	2	0.01	5	214	1.09	373	10	91
0.5	50	39	9.93	0.17	2.79	1900	1	2.3	160	2	0.02	5	243	1.1	367	10	82
0.5	56	45	10.75	0.19	2.88	1850	1	2.29	110	2	0.22	5	225	1.04	353	10	92
0.5	48	37	9.99	0.15	2.75	1730	1	2.32	190	2	0.09	5	256	1.09	369	10	88
0.5	46	25	9.85	0.29	2.79	1500	1	1.89	220	2	0.08	5	134	0.63	399	10	92
0.5	51	30	11.4	0.34	2.81	1740	1	1.73	270	2	0.1	5	123	0.89	593	10	115
0.5	49	21	10.7	0.33	2.77	1570	1	1.72	230	3	0.09	5	125	0.83	573	10	114
0.5	56	31	11.7	0.36	3.03	1775	1	1.58	290	2	0.09	5	112	0.87	573	10	101
0.5	45	30	9.96	0.4	2.88	1515	1	1.96	340	2	0.06	5	202	0.7	436	10	76
0.5	42	36	9.9	0.3	2.75	1510	1	2.01	320	5	0.04	5	181	0.72	445	10	70
0.5	43	57	8.98	0.31	2.66	1330	1	2.07	260	2	0.1	5	166	0.65	373	10	68
0.5	74	1100	12.1	0.12	8.89	2480	1	0.25	130	2	0.02	5	5	0.42	292	10	155
0.5	38	30	7.21	0.27	2.23	1145	1	2.32	150	2	0.11	5	211	0.57	278	10	60
0.5	39	123	7.99	0.26	3.31	1365	1	2.29	260	2	0.02	5	199	0.45	230	10	80
0.5	41	93	7.98	0.37	2.96	1370	1	1.91	240	2	0.04	5	154	0.35	195	10	85
0.5	41	83	8.36	0.31	3.33	1450	1	2.19	230	2	0.02	5	180	0.38	220	10	94
0.5	37	55	7.74	0.27	3.17	1365	1	2.16	230	4	0.01	5	183	0.36	214	10	86
0.5	41	42	8.39	0.33	2.79	1390	1	2.05	360	5	0.06	5	171	0.41	214	10	84
0.5	40	38	8.33	0.26	3.15	1370	1	2.18	220	12	0.05	5	184	0.41	292	10	90
0.5	43	39	8.5	0.25	3.11	1415	1	1.96	180	4	0.09	5	175	0.54	422	10	89
0.5	45	37	8.81	0.24	3.07	1420	1	2.07	160	5	0.09	5	186	0.54	449	10	86
0.5	46	36	9.01	0.25	3.12	1460	1	1.88	170	5	0.1	5	162	0.62	492	10	88
0.5	49	26	9.43	0.27	3.29	1535	1	1.95	200	2	0.12	5	161	0.58	448	10	94
0.5	44	31	9.25	0.29	3.1	1500	1	1.9	190	2	0.09	5	159	0.56	410	10	93
0.5	59	41	11.45	0.3	3.47	1820	1	1.8	170	2	0.12	5	150	0.76	596	10	114
0.5	52	34	10.9	0.32	2.97	1665	1	1.81	160	6	0.11	5	153	0.86	650	10	98
0.5	55	23	11.35	0.39	3.09	1700	1	1.9	240	2	0.13	5	168	0.83	656	10	107
0.5	49	36	10.75	0.37	2.99	1615	1	1.88	320	5	0.1	5	200	0.81	588	10	90
0.5	52	26	11.25	0.36	3.17	1720	1	1.92	350	2	0.1	5	203	0.82	567	10	85
0.5	48	37	11	0.38	3.17	1635	1	2.04	140	2	0.04	5	196	0.79	470	10	85
0.5	28	23	5.75	0.99	1.72	882	1	2.8	30	2	0.02	5	287	0.46	157	10	49
0.5	41	434	7.53	0.52	3.41	1180	1	2.34	170	10	0.07	5	301	0.38	199	10	92
0.5	40	185	7.45	0.56	4.1	1230	1	2.29	290	6	0.06	5	408	0.36	185	10	98
0.5	45	541	7.42	0.48	6.38	1315	1	1.8	1060	5	0.01	5	363	0.37	180	10	102
0.5	50	710	6.5	0.53	8.34	1225	1	1.4	1320	2	0.07	6	500	0.32	146	10	104
0.5	57	951	6.56	0.28	10.55	1440	1	0.76	1330	4	0.01	5	210	0.29	129	10	127
0.5	51	741	6.52	0.4	8.67	1270	1	1.46	1650	6	0.01	5	520	0.38	158	10	105
0.5	47	608	6.81	0.51	7.37	1305	1	1.89	1540	2	0.02	5	542	0.35	154	10	106
0.5	51	121	8.51	0.72	4.56	1500	1	1.84	220	2	0.04	5	206	0.36	224	10	95
0.5	46	94	8.67	0.45	4.16	1470	4	1.93	190	7	0.01	5	195	0.35	210	10	87

5	C	680464	33	34	1.00	0.96	81	83	0.1	0.001	0.0091	0.005	8.69	5	70	0.5	2	7.5
5	C	680465	34	35	1.00	1.00	90	73	0.1	0.001	0.004	0.003	8.78	5	70	0.5	2	7.58
5	C	680466	35	35.6	0.60	0.51	70	74	0.1	0.001	0.0039	0.007	9.22	5	80	0.5	2	7.36
5	C	680467	35.6	36	0.40	0.44	19	121	0.1	0.001	0.0067	0.001	5.9	5	60	0.5	2	6.63
5	C	680468	36	37	1.00	1.08	15	91	0.1	0.001	0.0158	0.001	10.05	5	130	0.5	2	7.26
5	C	680469	37	38.1	1.10	0.86	19	116	0.1	0.001	0.0054	0.044	9.53	5	180	0.5	2	6.37
5	C	680470	38.1	39	0.90	1.22	26	164	0.1	0.001	0.0028	0.004	9.4	5	180	0.5	2	7.33
5	C	680471	39	40	1.00	1.02	164	185	0.1	0.004	0.0868	0.148	8.84	5	110	0.5	2	8.16
5	C	680472	40	41	1.00	1.02	178	155	0.1	0.003	0.009	0.01	8.66	5	60	0.5	2	8.44
5	C	680473	41	42	1.00	1.02	104	168	0.1	0.001	0.0136	0.017	8.15	5	50	0.5	2	8.12
5	C	680474	42	43	1.00	1.02	163	187	0.1	0.002	0.0104	0.012	8.37	5	40	0.5	2	8.71
5	D	680475	43	44	1.00	1.06	442	225	0.1	0.007	0.0294	0.045	8.39	5	60	0.5	2	8.81
5	D	680476	44	45	1.00	1.03	129	184	0.1	0.002	0.0152	0.016	7.84	5	50	0.5	2	8.24
5	D	680477	45	46	1.00	0.90	684	252	0.1	0.011	0.0318	0.053	8.41	5	50	0.5	2	8.89
5	D	680478	46	47	1.00	0.70	715	294	0.1	0.01	0.0304	0.05	8.54	5	60	0.5	2	8.72
5	D	680479	47	48	1.00	0.84	1115	409	0.1	0.019	0.0606	0.115	8.21	5	50	0.5	2	8.51
5	D	680480	48	49	1.00	1.01	1940	518	0.5	0.03	0.0909	0.173	8.12	5	90	0.5	2	7.82
5	D	680481	49	50	1.00	1.04	2710	570	1	0.042	0.1055	0.211	7.91	5	70	0.5	2	8.09
5	E	680482	48	49	1.00	1.03	3520	780	1.1	0.052	0.131	0.265	7.64	5	80	0.5	2	7.49
5	E	680483	49	50	1.00	1.07	3800	692	1.2	0.061	0.1495	0.288	7.91	5	100	0.5	2	7.76
5	E	680484	50	51	1.00	1.05	4270	639	1.5	0.088	0.211	0.465	6.92	5	140	0.5	2	6.06
5	E	680485	51	52	1.00	1.01	211	128	0.1	0.002	0.0068	0.007	7.78	5	130	0.5	2	6.32
5	E	680486	52	53	1.00	1.11	53	75	0.1	0.001	0.0009	0.002	7.74	6	60	0.5	2	6.7
5	E	680487	53	54	1.00	1.02	98	79	0.1	0.001	0.0006	0.001	7.89	5	60	0.5	2	6.78
5	E	680488	54	55	1.00	1.01	314	160	0.1	0.003	0.0106	0.043	7.54	5	90	0.5	2	6.28
5	E	680489	55	56	1.00	1.06	145	241	0.1	0.001	0.0143	0.014	6.68	5	130	0.5	2	6.53
5	E	680490	56	57	1.00	1.04	375	264	0.1	0.007	0.0251	0.143	5.48	5	120	0.5	2	5.51
5	E	680491	57	58	1.00	1.07	564	185	0.1	0.003	0.0557	0.06	8.12	5	240	0.5	2	4.23
5	E	680492	58	58.75	0.75	0.86	557	214	0.1	0.002	0.0052	0.026	7.04	5	220	0.6	2	4.88
5	E	680493	58.75	59.6	0.85	0.84	21	8	0.1	0.001	0.0097	0.003	9.84	5	210	0.8	2	4.43
5	E	680494	59.6	60	0.40	0.44	36	86	0.1	0.002	0.0114	0.003	7.27	5	40	0.5	2	6.75
5	E	680495	60	61	1.00	1.00	25	94	0.1	0.001	0.0145	0.003	7.36	8	40	0.5	2	7
5	E	680496	61	62	1.00	1.02	950	172	0.1	0.012	0.1265	0.098	8.13	5	50	0.5	2	6.86
5	E	680497	62	63	1.00	1.04	19	121	0.1	0.001	0.0163	0.006	7	5	50	0.5	2	6.82
5	E	680498	63	64	1.00	1.06	30	126	0.1	0.001	0.0162	0.006	6.99	5	50	0.5	2	7.01
5	E	680499	64	65	1.00	1.06	51	124	0.1	0.002	0.0492	0.046	6.74	7	50	0.5	2	7.11
5	E	680500	65	66	1.00	1.04	17	125	0.1	0.001	0.0188	0.007	6.69	5	50	0.5	2	6.94
5	E	680501	66	67	1.00	1.06	13	102	0.1	0.001	0.0198	0.006	7.33	6	60	0.5	2	6.96
5	E	680502	67	68	1.00	1.11	14	98	0.1	0.001	0.0174	0.004	7.15	5	50	0.5	2	7.19
5	E	680503	68	68.5	0.50	0.53	25	110	0.1	0.001	0.0186	0.004	7.05	8	60	0.5	2	6.93
5	F	680504	68.5	70	1.50	0.48	17	117	0.1	0.001	0.0192	0.008	6.51	5	50	0.5	2	6.7
5	F	680505	70	72.5	2.50	1.04	36	117	0.1	0.001	0.0144	0.008	8.57	5	60	0.5	2	6.78
5	F	680506	72.5	74	1.50	1.02	54	122	0.1	0.001	0.0205	0.02	6.57	5	60	0.5	2	6.99
5	F	680507	74	75	1.00	1.00	75	124	0.1	0.001	0.0148	0.02	6.71	5	60	0.5	2	7.06
5	F	680508	75	76	1.00	1.14	144	119	0.1	0.002	0.0162	0.015	6.74	5	70	0.5	2	7.05
6	A	680051	0	1	1.00	0.88	36	156	0.1	0.001	0.0164	0.004	5.81	8	50	0.5	4	7.09
6	A	680052	1	2	1.00	1.05	27	170	0.1	0.001	0.0144	0.009	5.71	6	60	0.5	3	7.78
6	A	680053	2	3	1.00	0.97	56	173	0.1	0.001	0.014	0.011	5.56	5	60	0.5	2	8.23
6	A	680054	3	4	1.00	1.10	95	209	0.1	0.001	0.0148	0.015	5.82	5	60	0.5	3	8.75
6	A	680055	4	5	1.00	1.06	62	195	0.1	0.001	0.0158	0.015	5.72	5	60	0.5	2	8.34

0.5	49	57	8.9	0.27	3.98	1550	1	1.71	270	6	0.04	5	134	0.43	241	10	77
0.5	51	49	9.19	0.28	4.1	1575	1	1.75	230	2	0.04	5	129	0.38	240	10	83
0.5	46	49	9.19	0.33	3.72	1435	2	2.03	120	2	0.02	5	152	0.5	236	10	83
0.5	58	198	13	0.26	5.05	1985	1	0.94	20	2	0.01	5	49	0.45	240	10	99
0.5	39	123	8.34	0.6	3.26	1325	1	2.4	10	2	0.01	5	201	0.38	181	10	71
0.5	41	109	9.06	0.92	3.45	1400	1	2.44	20	2	0.01	5	233	0.39	185	10	65
0.5	58	120	11.85	0.71	4.25	1680	1	2.07	100	2	0.01	5	179	0.47	316	10	89
0.5	63	161	12.35	0.4	4.2	1680	18	1.52	430	2	0.03	5	134	0.42	402	10	111
0.5	58	170	10.8	0.27	4.45	1705	1	1.65	120	5	0.01	5	173	0.66	350	10	112
0.5	58	157	9.64	0.21	4.54	1680	1	1.55	150	2	0.01	5	186	0.63	300	10	110
0.5	64	159	10.15	0.22	5.07	1810	1	1.44	220	2	0.02	5	175	0.65	284	40	120
0.5	65	169	9.93	0.24	4.99	1765	1	1.4	200	3	0.09	5	176	0.67	290	10	130
0.5	62	153	9.41	0.23	4.84	1680	1	1.39	200	8	0.02	5	164	0.65	271	10	126
0.5	60	161	10.1	0.22	5.14	1785	1	1.3	200	2	0.11	5	228	0.68	294	10	126
0.5	67	160	10.25	0.26	5.64	1840	1	1.32	180	6	0.11	5	201	0.68	293	10	142
0.5	78	153	10.15	0.21	5.93	1905	1	1.24	170	2	0.19	5	182	0.64	273	10	251
0.5	74	144	10.7	0.31	6.07	2050	1	1.38	260	8	0.29	5	181	0.63	262	10	368
0.5	76	134	10.4	0.22	6.32	1920	1	1.24	270	2	0.37	5	162	0.62	256	10	235
0.5	87	144	11.65	0.24	6.67	2150	1	1.16	240	2	0.53	5	114	0.59	246	10	254
0.5	84	148	10.75	0.27	5.76	1910	1	1.36	220	2	0.61	5	181	0.67	251	10	189
0.5	68	131	11.55	0.29	6.12	1940	1	1.19	330	3	0.69	5	129	0.44	165	10	169
0.5	65	103	9.9	0.27	4.53	1840	1	1.96	300	6	0.12	5	243	0.86	305	10	128
0.5	54	39	10.55	0.21	2.59	1800	1	2.32	210	2	0.01	5	256	1.1	368	10	103
0.5	55	51	10.6	0.22	2.71	1855	1	2.55	230	2	0.05	5	265	1.1	357	10	102
0.5	58	37	10.7	0.3	2.89	1770	1	2.33	410	2	0.23	5	233	1.08	347	10	98
0.5	60	366	10.35	0.26	5.43	1825	1	1.75	400	4	0.13	5	191	0.92	336	10	114
0.5	53	653	11	0.36	7.33	1585	1	0.79	380	3	0.34	5	60	0.76	289	10	122
0.5	56	202	8.89	0.68	4.16	1230	1	2.65	450	2	0.88	5	261	0.87	235	10	78
0.5	59	332	9.59	0.64	5.3	1560	1	1.81	730	3	0.79	5	173	1.35	309	10	89
0.5	4	28	1.2	0.28	0.21	243	1	4.67	30	6	0.01	5	568	0.36	19	10	14
0.5	42	102	7.67	0.1	4.49	1540	1	2.08	40	3	0.01	5	239	1.02	262	10	70
0.5	49	108	8.33	0.14	4.42	1740	1	2.05	100	3	0.01	5	221	1.07	270	10	73
0.5	49	123	7.4	0.16	3.7	1845	1	2.47	40	2	0.28	5	291	1.58	233	10	75
0.5	54	93	9.72	0.2	4.5	1990	1	1.74	100	5	0.01	5	192	0.98	336	10	80
0.5	60	91	10.45	0.22	4.3	2040	1	1.76	90	3	0.01	5	199	0.98	360	10	84
0.5	60	88	10.65	0.23	4.07	2010	1	1.72	140	5	0.01	5	190	0.96	352	10	81
0.5	62	90	10.9	0.26	4.22	2040	1	1.69	430	2	0.01	5	175	0.96	359	10	78
0.5	58	40	10.35	0.25	3.86	1950	1	1.94	370	2	0.01	5	227	1.04	369	10	68
0.5	51	48	9.88	0.24	3.7	1835	1	2.11	50	7	0.01	5	230	1.02	371	10	63
0.5	52	60	10.8	0.27	3.72	1930	1	2.02	280	2	0.01	5	200	1.03	383	10	67
0.5	57	79	10.95	0.25	4.04	1945	1	1.58	390	3	0.01	5	181	0.92	341	10	72
0.5	55	87	10.95	0.26	4.04	1930	1	1.63	420	7	0.01	5	188	0.92	346	10	84
0.5	60	87	10.95	0.26	4.03	1925	1	1.69	440	3	0.02	5	193	0.92	355	10	88
0.5	61	72	11.05	0.27	4.01	1915	1	1.64	470	3	0.05	5	192	0.95	342	10	93
0.5	60	86	11.5	0.29	4.18	2020	1	1.62	460	4	0.1	5	187	0.95	354	10	103
0.5	55	216	11.15	0.24	4.43	1790	1	1.76	170	3	0.01	5	112	0.85	345	10	107
0.5	54	300	11.1	0.25	4.73	1645	1	1.63	380	3	0.02	5	111	0.83	359	10	114
0.5	54	326	10.35	0.22	4.59	1520	1	1.58	390	2	0.04	5	117	0.82	347	10	109
0.5	61	328	10.65	0.24	4.86	1660	1	1.56	390	2	0.11	5	121	0.83	355	10	167
0.5	60	345	11	0.25	4.87	1670	1	1.61	380	2	0.07	5	117	0.85	364	10	157

6	A	680056	5	6	1.00	1.04	16	162	0.1	0.001	0.0136	0.007	5.53	5	60	0.5	2	8.09
6	A	680057	6	7	1.00	1.11	32	164	0.1	0.001	0.0154	0.011	5.43	5	60	0.5	3	8.49
6	A	680058	7	8	1.00	0.98	87	216	0.1	0.002	0.0176	0.017	5.54	12	70	0.5	4	8.68
6	A	680059	8	9	1.00	1.01	35	169	0.1	0.001	0.0103	0.01	6.57	5	170	0.7	2	7.82
6	A	680060	9	10	1.00	1.00	132	195	0.1	0.001	0.0144	0.012	5.61	5	70	0.5	3	8.41
6	A	680061	10	11	1.00	1.03	91	192	0.1	0.001	0.0148	0.017	5.55	6	60	0.5	3	8.62
6	A	680062	11	12	1.00	1.01	78	178	0.1	0.001	0.0154	0.014	5.5	5	60	0.5	3	8.63
6	A	680063	12	13	1.00	1.00	86	192	0.1	0.001	0.0157	0.012	5.64	5	80	0.5	2	8.61
6	A	680064	13	14	1.00	1.01	12	196	0.1	0.001	0.015	0.013	5.62	5	60	0.5	2	8.34
6	A	680065	14	15	1.00	1.04	171	301	0.1	0.001	0.0119	0.01	6.02	5	140	0.8	3	7.6
6	A	680066	15	16	1.00	0.96	23	109	0.1	0.001	0.0088	0.006	7.08	5	310	0.6	2	7.52
6	A	680067	16	17	1.00	1.01	84	184	0.1	0.001	0.0168	0.015	5.78	5	70	0.5	3	8.72
6	A	680068	17	18	1.00	0.95	168	701	0.1	0.001	0.0043	0.006	4.91	5	100	1.2	2	9.51
6	A	680069	18	19	1.00	0.30	253	767	0.1	0.005	0.0046	0.004	5.97	5	220	1.1	3	9.7
6	B	680070	13	14	1.00	0.92	26	190	0.1	0.001	0.0167	0.012	5.69	5	70	0.5	2	8.51
6	B	680071	14	15	1.00	1.03	114	271	0.1	0.001	0.0138	0.011	6.22	5	100	0.7	3	8.09
6	B	680072	15	16	1.00	1.00	42	76	0.1	0.001	0.0081	0.003	7.6	5	250	0.8	2	7.4
6	C	680073	14	15	1.00	1.17	78	196	0.1	0.01	0.0163	0.019	6.33	5	180	0.8	2	7.36
6	D	680074	13	14	1.00	1.07	28	207	0.1	0.001	0.0162	0.015	5.64	6	90	0.5	3	8.8
6	D	680075	14	15	1.00	0.96	52	199	0.1	0.001	0.0154	0.017	6.15	5	180	0.6	2	8.47
6	D	680076	15	16	1.00	1.20	65	137	0.5	0.001	0.0106	0.007	7.06	7	250	0.6	4	8.07
6	D	680077	16	17	1.00	1.14	101	210	0.1	0.001	0.016	0.013	5.88	5	80	0.5	2	8.82
6	D	680078	17	18	1.00	0.99	77	805	0.1	0.001	0.0058	0.005	5.79	5	70	1.2	2	9.59
6	D	680079	18	18.65	0.65	0.67	90	400	0.5	0.001	0.0049	0.002	6.65	5	230	1	2	9.63
7	A	680523	1	2	1.00	1.10	18400	417	2.7	0.13	0.0938	0.007	9.18	5	170	0.5	2	5.46
7	A	680524	2	3	1.00	1.01	3500	178	0.5	0.102	0.0091	0.003	9.37	5	170	0.5	2	5.8
7	A	680525	3	4	1.00	0.96	20100	353	2.9	0.154	0.0012	0.006	9.17	5	130	0.5	7	5.24
7	A	680526	4	5	1.00	1.12	20000	259	3.2	0.239	0.003	0.006	9.12	5	150	0.5	10	5.69
7	A	680527	5	6	1.00	0.95	1270	223	0.1	0.02	0.149	0.164	8.23	5	80	0.5	2	6.16
7	A	680528	6	7	1.00	1.00	2270	350	0.1	0.032	0.0582	0.246	10.15	16	60	0.5	2	6.33
7	A	680529	7	8	1.00	1.15	3820	339	0.1	0.036	0.034	0.14	10.05	10	90	0.5	2	5.87
7	A	680530	8	9	1.00	1.02	2900	120	0.1	0.036	0.0014	0.001	10.55	7	80	0.5	2	6.88
7	A	680531	9	10	1.00	0.99	2580	107	0.1	0.035	0.0022	0.001	9.75	5	70	0.5	2	6.68
7	A	680532	10	11	1.00	1.02	95	62	0.1	0.001	0.0021	0.002	9.92	5	60	0.5	2	7.13
7	A	680533	11	12	1.00	1.02	168	71	0.1	0.002	0.002	0.002	10.05	5	80	0.5	2	7.01
7	A	680534	12	13	1.00	0.95	9500	167	1.4	0.109	0.006	0.004	10.55	9	100	0.5	2	6.51
7	A	680535	13	14	1.00	1.03	31600	386	4.7	2.48	0.0011	0.016	9.83	5	170	0.5	2	4.89
7	A	680536	14	15	1.00	0.95	6920	153	1.2	0.06	0.0025	0.012	10.55	5	110	0.5	2	6.59
7	A	680537	15	16	1.00	1.03	228	100	0.1	0.006	0.0028	0.001	9.98	5	120	0.5	2	6.61
7	A	680538	16	17	1.00	1.77	437	105	0.1	0.003	0.0041	0.001	9.55	5	150	0.5	2	6.41
7	A	680539	17	18	1.00	1.00	152	114	0.1	0.002	0.0036	0.001	10.25	5	130	0.5	2	6.53
7	A	680540	18	19	1.00	0.99	5820	207	0.8	0.08	0.0033	0.003	10.45	5	130	0.5	2	6.55
7	A	680541	19	20	1.00	1.02	216	80	0.1	0.003	0.0027	0.001	9.7	5	80	0.5	5	6.98
7	A	680542	20	21	1.00	1.01	320	117	0.1	0.005	0.0024	0.001	9.44	5	130	0.5	2	6.51
7	B	680543	20	21	1.00	1.03	1510	115	0.1	0.104	0.0039	0.001	9.86	5	150	0.5	2	6.22
7	B	680544	21	22	1.00	1.02	6100	110	4	0.156	0.0012	0.002	10.6	5	250	0.5	3	4.7
7	B	680545	22	23	1.00	1.07	2330	123	0.1	0.045	0.0024	0.01	9.98	5	120	0.5	2	6.53
7	B	680546	23	24	1.00	1.04	294	103	0.1	0.004	0.0029	0.001	9.94	5	120	0.5	2	6.55
7	B	680547	24	25	1.00	1.02	192	81	0.1	0.002	0.0024	0.002	9.42	5	80	0.5	2	7.42
7	B	680548	25	26	1.00	0.96	401	108	0.1	0.007	0.0052	0.001	9.74	5	120	0.5	2	6.4

0.5	48	325	10.15	0.24	4.73	1645	1	1.72	400	2	0.01	5	111	0.82	359	10	143
0.5	49	335	9.82	0.22	4.61	1565	1	1.71	720	2	0.03	5	119	0.8	332	10	135
0.5	63	341	10.85	0.29	4.89	1740	1	1.42	390	2	0.1	5	113	0.81	363	10	155
0.5	50	504	8.69	0.45	5.37	1480	1	1.77	560	2	0.03	5	208	0.56	259	10	105
0.5	63	344	10.7	0.27	4.8	1705	1	1.56	390	2	0.13	5	135	0.83	355	10	87
0.5	64	352	10.6	0.25	4.82	1680	1	1.49	380	4	0.08	5	125	0.83	355	10	80
0.5	59	328	10.45	0.24	4.8	1615	1	1.46	370	4	0.07	5	124	0.82	346	10	74
0.5	61	334	10.35	0.32	4.96	1545	1	1.49	390	3	0.06	5	138	0.83	351	10	76
0.5	57	334	10.75	0.25	4.89	1610	1	1.49	380	2	0.01	5	135	0.81	353	10	83
0.5	63	647	10.35	0.38	4.33	1530	1	1.8	520	3	0.18	5	177	0.89	315	10	78
0.5	45	198	8.35	0.59	4.48	1300	1	2.1	540	2	0.02	5	300	0.59	281	10	64
0.5	56	355	11.3	0.29	4.77	1675	1	1.45	380	3	0.07	5	155	0.84	368	10	94
0.5	87	897	14.55	0.39	2.95	1925	1	1.25	740	3	0.2	5	123	1.11	253	10	88
0.5	82	876	11.3	0.4	3.71	1555	1	1.51	610	2	0.23	5	345	0.52	180	10	89
0.5	60	334	10.8	0.28	4.92	1610	1	1.59	390	2	0.02	5	145	0.83	360	10	86
0.5	68	606	12.25	0.41	4.66	1770	1	1.83	500	3	0.1	5	136	0.96	385	10	97
0.5	41	144	7.65	0.47	4.14	1230	1	2.42	630	2	0.02	5	372	0.51	225	10	68
0.5	56	315	10.75	0.52	4.6	1570	1	1.86	490	2	0.06	5	156	0.8	341	10	83
0.5	59	341	10.7	0.3	4.97	1585	1	1.45	400	4	0.03	5	143	0.83	355	10	67
0.5	58	357	10.95	0.43	5.14	1720	1	1.6	410	2	0.04	5	158	0.85	372	10	77
0.5	52	241	9.47	0.54	4.78	1465	1	2.08	520	3	0.04	5	273	0.67	304	10	70
0.5	55	362	10.85	0.3	4.93	1625	1	1.63	410	2	0.1	5	158	0.87	377	10	93
0.5	76	992	13.15	0.27	3.04	1960	1	1.77	630	2	0.11	5	182	1.11	277	10	90
0.5	61	798	9.91	0.42	3.86	1530	1	1.62	590	4	0.05	5	438	0.52	217	10	83
0.5	164	105	13.4	0.77	1.82	1050	29	1.83	450	4	3.01	13	101	0.36	139	10	155
0.5	80	103	12.15	0.78	1.93	1070	27	1.81	280	9	0.56	10	107	0.44	179	10	85
0.5	140	37	12.45	0.61	1.4	840	37	2.04	260	8	2.97	6	124	0.15	79	10	159
0.5	102	30	14.6	0.73	1.66	1040	44	1.75	620	4	2.92	7	94	0.25	81	10	146
0.5	75	1610	12.85	0.48	3.35	1380	5	1.34	70	4	0.18	10	70	0.38	287	10	119
0.5	69	148	7.09	0.3	2.35	836	1	2.07	90	2	0.49	5	144	0.3	143	10	64
0.5	67	132	7.69	0.41	2.11	854	7	2.2	200	5	0.74	9	136	0.28	134	10	67
0.5	60	64	10.55	0.43	1.74	936	144	1.93	330	4	0.38	8	131	0.2	88	10	70
0.5	50	91	8.59	0.38	1.88	887	46	2.02	360	5	0.27	7	140	0.2	110	10	63
0.5	36	134	5.9	0.21	2.63	840	1	2.01	110	3	0.03	13	141	0.26	170	10	43
0.5	39	123	7.26	0.36	2.35	853	2	1.97	100	2	0.02	5	133	0.29	155	10	48
0.5	66	22	9.4	0.49	1.11	703	43	2.04	580	7	1.54	9	141	0.34	48	10	82
1	114	19	7.95	0.83	0.4	383	10	2.47	110	4	4.56	9	163	0.33	21	10	198
0.5	65	33	9.43	0.5	1.28	738	287	2.12	180	4	1.06	9	150	0.41	95	10	67
0.5	52	92	11.35	0.58	1.75	969	220	2.06	130	6	0.05	5	153	0.33	154	10	51
0.5	49	74	10.45	0.64	1.85	990	95	2.06	130	4	0.05	5	132	0.35	159	10	58
0.5	53	97	11.2	0.58	2.02	1020	27	2.12	90	7	0.02	7	138	0.33	170	10	60
0.5	76	53	11.35	0.6	1.73	939	40	2.11	370	3	0.88	9	150	0.28	111	10	94
0.5	44	62	7.92	0.34	2.91	1010	2	1.97	80	6	0.04	5	137	0.28	154	10	60
0.5	50	67	10.3	0.58	1.99	1020	47	2.02	40	2	0.04	7	140	0.27	153	10	75
0.5	49	60	9.17	0.65	1.6	852	144	2.15	190	6	0.15	9	144	0.25	132	10	67
0.5	44	7	9.09	0.89	0.69	461	8	2.51	90	2	0.59	5	166	0.08	19	10	68
0.5	59	54	12.55	0.65	2.13	1260	65	1.95	110	2	0.26	5	189	0.45	127	10	90
0.5	50	45	10.55	0.52	2.63	1390	4	1.96	80	4	0.05	6	160	0.7	482	10	82
0.5	50	25	9.35	0.32	3.05	1270	1	1.67	120	3	0.08	5	131	0.58	686	10	78
0.5	54	38	11.2	0.52	2.26	1330	9	2.08	50	2	0.04	5	144	0.67	401	10	80

7	B	680549	26	27	1.00	1.06	2560	127	0.1	0.037	0.0056	0.001	9.75	5	120	0.5	2	6.24
7	B	680550	27	28	1.00	1.00	4620	134	0.5	0.06	0.0063	0.001	10.25	5	120	0.5	2	6.25
7	B	680551	28	28.9	0.90	0.91	2320	141	0.1	0.029	0.0069	0.003	9.58	5	90	0.5	2	6.21
7	C	680552	28	29	1.00	1.03	4800	276	0.9	0.151	0.0089	0.013	10.45	5	150	0.5	5	5.75
7	C	680553	29	30	1.00	1.03	153	61	0.1	0.005	0.003	0.002	10.05	5	70	0.5	2	7.18
7	C	680554	30	31	1.00	1.00	136	72	0.1	0.002	0.0035	0.002	10	5	70	0.5	2	7.26
7	C	680555	31	32	1.00	1.01	1350	79	0.1	0.013	0.0035	0.003	10.1	5	80	0.5	2	6.99
7	C	680556	32	33	1.00	1.01	3850	152	0.1	0.045	0.0155	0.003	10.85	5	110	0.5	2	6.42
7	C	680557	33	34	1.00	0.98	14500	603	1.8	0.144	0.0665	0.023	10.45	5	190	0.5	2	5.47
7	C	680558	34	34.5	0.50	0.43	5810	208	0.1	0.042	0.043	0.008	10.25	5	150	0.5	2	6.18
7	D	680559	34	35	1.00	1.00	7680	185	1.1	0.093	0.0403	0.008	9.85	5	120	0.5	2	6.05
7	D	680560	35	36	1.00	1.00	12300	306	2.6	0.139	0.0345	0.004	9.99	5	130	0.5	2	6.18
7	D	680561	36	37	1.00	0.99	9700	250	1.6	0.154	0.0257	0.004	9.69	5	140	0.5	2	5.88
7	D	680562	37	37.5	0.50	0.49	5360	194	0.1	0.206	0.03	0.003	9.76	5	150	0.5	2	6.25
7	E	680563	37	38	1.00	1.13	9600	271	1.4	0.095	0.0295	0.007	9.59	5	130	0.5	3	6.54
7	E	680564	38	39	1.00	1.03	11300	252	1.6	0.266	0.029	0.004	9.22	5	130	0.5	2	6.04
7	E	680565	39	40	1.00	1.11	6420	210	1	0.065	0.0397	0.01	9.41	5	140	0.5	2	6.95
7	E	680566	40	41	1.00	1.00	6400	232	0.9	0.085	0.04	0.012	9.49	5	150	0.5	2	5.94
7	E	680567	41	42	1.00	1.03	708	111	0.1	0.02	0.029	0.001	9.45	5	140	0.5	2	5.92
7	E	680568	42	43	1.00	0.88	778	112	0.1	0.009	0.0384	0.001	10.2	5	160	0.5	2	6.11
7	E	680569	43	43.5	0.50	0.54	2820	163	0.1	0.043	0.0352	0.003	10.45	6	190	0.5	2	6.21
7	E	680570	43.5	44	0.50	0.47	291	122	0.1	0.004	0.0256	0.001	10.85	5	130	0.5	2	7.21
7	F	680571	53	53.7	0.70	0.58	1140	384	0.1	0.012	0.0234	0.066	7.47	5	150	0.5	2	7.13
7	F	680572	53.7	54	0.30	0.24	151	269	0.1	0.002	0.0082	0.01	8.43	5	270	0.5	2	6.82
7	F	680573	54	55	1.00	1.07	513	196	0.1	0.008	0.0909	0.097	9.3	5	100	0.5	2	7.34
7	F	680574	55	55.8	0.80	0.83	52	126	0.1	0.002	0.166	0.145	8.21	5	110	0.5	2	6.31
7	G	680575	54	55	1.00	1.01	1930	486	0.1	0.03	0.0663	0.163	5.96	5	50	0.5	2	7.38
7	G	680576	55	55.3	0.30	0.28	434	269	0.1	0.005	0.0642	0.127	10.15	5	80	0.5	2	6.44
7	G	680577	55.3	56	0.70	0.72	1400	481	0.1	0.02	0.0618	0.197	9.25	5	50	0.5	2	7.29
7	G	680578	56	57	1.00	1.05	322	152	0.1	0.004	0.014	0.032	8.19	5	30	0.5	2	6.84
7	G	680579	57	58	1.00	1.04	1010	304	0.1	0.008	0.0195	0.08	8.63	5	30	0.5	2	6.59
7	G	680580	58	59	1.00	1.01	485	177	0.1	0.007	0.0173	0.043	8.39	5	30	0.5	2	6.37
7	G	680581	59	60	1.00	1.17	473	165	0.1	0.006	0.013	0.03	8.23	5	30	0.5	2	6.17
7	G	680582	60	61	1.00	1.03	409	198	0.1	0.005	0.0212	0.068	8.33	5	30	0.5	2	6.31
7	G	680583	61	62	1.00	1.19	137	61	0.1	0.002	0.0051	0.013	7.94	10	40	0.5	2	5.55
7	G	680584	62	63	1.00	1.06	7	43	0.1	0.001	0.0017	0.002	8.14	5	30	0.5	2	5.87
7	G	680585	63	63.6	0.80	0.59	22	48	0.1	0.001	0.0039	0.005	8.23	5	30	0.5	2	6.29
7	H	680586	63	64	1.00	0.97	6	52	0.1	0.001	0.0048	0.002	8.25	5	40	0.5	2	6.1
7	H	680587	64	65	1.00	1.03	9	85	0.1	0.001	0.129	0.149	8.01	5	40	0.5	2	6.18
7	H	680588	65	66	1.00	1.03	11	50	0.1	0.001	0.0009	0.002	7.76	5	30	0.5	2	6.37
7	H	680589	66	67	1.00	1.05	54	72	0.1	0.001	0.0026	0.005	7.97	5	60	0.5	2	6
7	H	680590	67	68	1.00	1.09	11	41	0.1	0.001	0.002	0.003	7.65	5	70	0.5	2	6.09
7	H	680591	68	69	1.00	1.06	109	132	0.1	0.001	0.0052	0.012	8.12	5	110	0.5	2	6.79
7	H	680592	69	69.7	0.70	0.81	496	151	0.1	0.004	0.0047	0.047	7.58	5	100	0.8	2	7.53
7	H	680593	69.7	70	0.30	0.27	165	159	0.1	0.001	0.0076	0.018	8.04	5	110	0.5	2	6.42
7	H	680594	70	71	1.00	1.14	3	55	0.1	0.001	0.0024	0.003	8.09	5	50	0.5	2	6.04
7	H	680595	71	72	1.00	1.07	32	103	0.1	0.001	0.0023	0.012	7.67	5	50	0.5	2	6.01
7	H	680596	72	73	1.00	1.11	47	112	0.1	0.001	0.0056	0.02	7.72	5	100	0.5	2	5.85
7	H	680597	73	73.2	0.20	0.26	62	86	0.1	0.001	0.003	0.006	7.52	5	120	0.5	2	5.64
7	H	680598	73.2	74	0.80	0.73	289	99	0.1	0.002	0.0028	0.018	7.69	5	70	0.5	2	6.33

0.5	62	41	11.35	0.53	1.55	1200	134	2.2	60	9	0.34	6	164	0.58	116	10	89
0.5	69	37	10.6	0.5	1.36	1120	188	2.24	90	8	0.61	10	180	0.65	114	10	97
0.5	71	89	11.75	0.51	2.01	1250	29	1.97	110	7	0.33	7	127	0.59	218	10	102
0.5	91	39	12	0.65	1.54	1340	243	2.28	290	13	1.28	9	153	0.71	186	10	102
0.5	53	26	9.65	0.36	2.83	1300	1	1.86	120	9	0.08	6	136	0.6	654	10	74
0.5	50	19	9.77	0.35	2.9	1340	1	1.93	110	7	0.08	9	138	0.7	648	10	71
0.5	58	22	9.84	0.39	2.53	1240	15	1.87	270	16	0.26	10	132	0.63	535	10	76
0.5	68	59	10.6	0.55	1.3	1100	60	2.2	1120	9	0.63	5	141	1.11	143	10	72
0.5	192	41	12.35	0.76	1.16	970	41	2.24	810	5	3.78	7	130	1.2	127	10	136
0.5	99	56	12.2	0.76	1.76	1050	18	2.04	550	6	0.97	8	115	0.51	153	10	100
0.5	81	47	12.85	0.65	1.86	1070	30	1.87	670	11	1.04	5	107	0.75	174	10	95
0.5	130	55	13.85	0.7	1.69	1030	13	2	350	4	2.08	10	120	0.47	153	10	144
0.5	110	57	13.55	0.88	1.63	1210	127	2	550	3	1.58	7	118	1.16	174	10	119
0.5	79	88	13.3	0.72	2.07	1220	174	1.97	230	6	0.74	5	112	0.98	188	10	88
0.5	107	56	13.75	0.63	2.1	1260	92	1.94	2540	6	1.5	6	122	0.9	188	10	132
0.5	97	73	13.2	0.63	2.11	1210	34	1.84	1420	4	1.55	7	113	0.9	190	10	124
0.5	74	47	10.8	0.67	1.9	1050	6	1.9	8150	2	0.83	5	137	0.8	190	10	96
0.5	78	83	11.75	0.7	2.17	1120	36	1.84	1310	4	0.99	5	112	0.78	173	10	92
0.5	52	125	10.35	0.65	2.92	1160	1	1.84	80	5	0.08	5	113	0.47	133	10	60
0.5	49	90	9.93	0.71	2.16	994	5	2.1	130	4	0.11	6	135	0.37	138	10	63
0.5	60	64	10.3	0.88	1.88	918	2	1.93	1880	2	0.41	7	134	0.33	160	10	87
0.5	69	60	9.97	0.76	1.9	1080	3	1.92	1240	2	0.04	6	142	0.4	187	10	71
0.5	66	221	9.31	0.46	4.96	1550	1	1.51	290	5	0.42	7	214	0.49	292	10	99
0.5	51	364	9	0.78	5.54	1480	1	1.48	490	5	0.05	12	177	0.36	248	10	105
0.5	52	97	9.68	0.34	3.9	1630	1	2.16	40	5	0.16	5	223	0.67	466	10	89
0.5	46	91	9.41	0.35	4.33	1710	1	2.14	30	8	0.02	15	210	0.59	179	10	87
0.5	76	184	10.4	0.23	5.54	1750	1	1.24	140	2	0.65	14	113	0.49	313	10	113
0.5	48	117	7.84	0.25	3.37	1350	1	2.64	60	4	0.28	8	299	0.4	212	10	84
0.5	61	102	9.5	0.22	3.69	1560	1	2.06	40	6	0.45	6	191	0.56	484	10	86
0.5	44	64	9.49	0.18	3.62	1860	1	2.02	40	2	0.06	5	181	0.77	450	10	79
0.5	56	77	10.3	0.17	3.59	1880	1	2.22	60	6	0.25	11	188	0.78	498	10	85
0.5	51	63	10.15	0.15	3.51	1790	1	2.26	60	4	0.1	13	183	0.89	501	10	88
0.5	49	74	10.15	0.17	3.42	1650	1	2.27	50	6	0.07	10	183	0.89	493	10	83
0.5	55	59	10.15	0.19	3.73	1620	1	2.16	60	4	0.14	9	167	0.86	468	10	77
0.5	49	70	10.5	0.22	4.03	1870	1	2.04	100	4	0.03	5	149	0.82	457	10	88
0.5	50	64	11.3	0.19	3.95	2030	1	2.09	70	9	0.01	6	170	0.98	502	10	97
0.5	47	71	11.7	0.18	3.82	2000	1	1.96	70	2	0.03	13	165	1.02	502	10	108
0.5	51	57	11.6	0.21	3.75	1930	1	2.05	100	2	0.01	9	170	0.97	492	10	108
0.5	51	76	11.6	0.23	3.76	1920	1	1.82	50	2	0.01	6	163	0.92	418	10	106
0.5	47	55	10.65	0.19	3.7	1930	1	1.8	60	7	0.01	7	169	0.98	482	10	107
0.5	45	72	11.25	0.28	3.36	2160	1	1.85	50	4	0.01	13	165	1.07	514	10	117
0.5	42	53	10.8	0.31	3.4	2280	1	1.8	110	2	0.01	8	161	1.02	507	10	118
0.5	48	266	10.5	0.42	4.47	2070	1	1.85	440	2	0.11	8	258	0.89	424	10	122
0.5	51	55	10.65	0.38	3.25	1960	8	1.27	230	9	0.41	8	256	0.98	433	10	104
0.5	52	72	11.8	0.41	3.22	2050	1	1.77	90	3	0.14	5	174	1.09	503	10	118
0.5	62	61	12.25	0.27	3.21	2170	10	1.93	100	6	0.01	6	149	1.13	467	10	122
0.5	51	76	11.9	0.24	3.22	2190	1	1.79	60	2	0.09	13	153	1.02	442	10	123
0.5	44	70	11.7	0.37	3.38	2310	1	2.17	70	3	0.1	8	169	1.06	586	10	127
0.5	44	151	11.1	0.42	3.69	2020	1	2.21	200	6	0.11	5	237	0.97	462	10	136
0.5	52	147	11.5	0.28	3.63	2050	1	2.26	290	6	0.54	5	251	0.94	428	10	128

7	H	680599	74	74.7	0.70	0.67	159	85	0.1	0.001	0.0021	0.008	7.69	5	90	0.5	2	6.19
7	H	680600	74.7	75	0.30	0.30	444	138	0.1	0.008	0.0197	0.043	7.82	5	80	0.5	2	5.99
7	H	680601	75	75.4	0.40	0.40	374	130	0.1	0.002	0.0034	0.007	8.04	5	120	0.5	2	6.44
7	H	680602	75.4	76	0.60	0.77	38	190	0.1	0.001	0.0077	0.009	8.38	5	350	1.3	2	6.65
7	H	680603	76	76.6	0.60	0.83	200	209	0.1	0.002	0.0271	0.017	7.79	5	310	1	2	6.99
7	H	680604	76.6	77.2	0.60	0.65	58	37	0.1	0.001	0.0007	0.001	7.85	5	90	0.5	2	5.97
7	H	680605	77.2	78	0.80	0.76	37	54	0.1	0.001	0.0013	0.003	7.51	5	90	0.5	2	5.8
7	H	680607	79	80	1.00	1.03	35	55	0.1	0.001	0.0014	0.001	7.64	5	80	0.5	2	5.94
7	H	680608	80	80.6	0.60	0.55	28	31	0.1	0.001	0.0011	0.001	7.86	5	60	0.5	2	6.09
7	H	680609	80.6	81	0.40	0.44	39	305	0.1	0.001	0.0066	0.007	7.26	5	210	1.1	2	6.76
7	H	680610	81	82	1.00	1.02	62	41	0.1	0.001	0.0016	0.001	8.2	5	60	0.5	2	6.4
7	H	680611	81	82	1.00	1.02	19	38	0.1	0.001	0.0019	0.001	7.87	5	50	0.5	2	6.11
7	H	680612	82	83	1.00	1.05	65	28	0.1	0.001	0.0035	0.002	7.92	5	40	0.5	2	6
7	H	680613	83	84	1.00	0.98	32	34	0.1	0.001	0.0013	0.002	7.97	5	40	0.5	2	6.26
7	H	680614	84	85	1.00	1.08	46	26	0.1	0.001	0.0009	0.001	7.74	5	40	0.5	2	6.08
7	J	680614	47.2	48.2	1.00	1.02	908	650	0.1	0.011	0.161	0.224	5.41	5	60	0.5	2	6.13
7	J	680615	48.2	49.2	1.00	1.00	633	654	0.1	0.002	0.061	0.159	6.31	5	60	0.5	2	7.21
7	J	680616	49.2	50.2	1.00	1.02	330	248	0.1	0.004	0.0269	0.069	5.53	5	40	0.5	2	7.02
7	J	680617	50.2	51.2	1.00	1.03	471	252	0.1	0.006	0.0531	0.111	5.85	5	40	0.5	2	8.02
7	J	680618	51.2	51.5	0.30	0.33	269	224	0.1	0.004	0.0197	0.056	8.48	5	110	0.5	2	6.6
7	J	680619	51.5	52.5	1.00	1.06	312	197	0.1	0.007	0.0286	0.088	8.53	5	180	0.5	2	6.45
7	J	680620	52.5	53	0.50	0.33	23	92	0.1	0.001	0.0033	0.004	8.34	5	340	0.9	2	5.42
7	J	680621	53	54	1.00	0.94	157	124	0.1	0.001	0.0021	0.002	8.32	5	440	0.9	2	5.41
7	J	680622	54	54.6	0.60	0.40	34	107	0.1	0.001	0.004	0.003	8	5	420	0.9	2	5.4
8	A	680629	0	1	1.00	0.93	66	40	0.1	0.001	0.005	0.003	10.15	7	80	0.1	1	7.52
8	A	680630	1	2	1.00	1.10	73	42	0.1	0.001	0.0035	0.002	10.45	5	90	0.1	1	7.46
8	A	680631	2	3	1.00	1.02	68	34	0.1	0.001	0.0026	0.002	10.2	5	80	0.1	1	7.54
8	A	680632	3	3.7	0.70	0.84	39	49	0.1	0.001	0.001	0.001	9.73	5	120	0.1	1	7.03
8	A	680633	6.4	7	0.60	0.82	71	34	0.1	0.001	0.0038	0.001	10.1	5	150	0.1	1	7.24
8	A	680634	7	8	1.00	1.00	80	35	0.1	0.001	0.001	0.001	9.67	5	70	0.1	1	7.18
8	A	680635	8	9	1.00	1.24	81	41	0.1	0.002	0.001	0.001	10.15	9	70	0.1	1	7.31
8	A	680636	9	10	1.00	1.00	73	38	0.1	0.001	0.001	0.001	9.61	5	70	0.1	1	7.06
8	A	680637	10	11	1.00	1.05	130	49	0.1	0.002	0.0011	0.002	10.05	12	70	0.1	1	7.06
8	A	680638	11	12	1.00	1.03	78	35	0.1	0.002	0.0009	0.001	9.77	10	80	0.1	1	7.25
8	A	680639	12	12.8	0.80	0.87	84	39	0.1	0.001	0.0012	0.001	10.2	6	80	0.1	1	7.14
8	A	680640	12.8	13.5	0.70	0.76	111	45	0.1	0.002	0.0013	0.002	9.88	7	80	0.1	1	7.1
8	A	680641	14	15	1.00	0.90	73	33	0.1	0.001	0.001	0.001	10.25	5	80	0.1	1	7.35
8	A	680642	15	16	1.00	1.06	92	33	0.1	0.001	0.001	0.002	10.1	5	80	0.1	1	7.35
8	A	680643	16	17	1.00	1.04	75	32	0.1	0.001	0.001	0.001	9.75	7	80	0.1	1	6.94
8	A	680644	17	18	1.00	1.01	66	31	0.1	0.001	0.001	0.001	9.82	5	70	0.1	1	6.39
8	A	680645	18	19	1.00	1.04	63	29	0.1	0.001	0.0005	0.002	10.1	8	90	0.1	1	7.03
8	A	680646	19	20	1.00	1.00	53	46	0.1	0.001	0.0057	0.003	9.89	5	100	0.1	1	6.73
8	A	680647	20	21	1.00	1.07	75	34	0.1	0.001	0.0031	0.002	9.51	5	70	0.1	1	7
8	A	680648	21	22	1.00	1.05	67	52	0.1	0.001	0.0015	0.002	9.32	5	80	0.1	1	6.93
8	A	680649	22	23	1.00	1.08	148	43	0.1	0.002	0.0013	0.002	9.3	5	80	0.1	1	7.47
8	B	680650	23	24	1.00	1.08	70	51	0.1	0.002	0.0007	0.001	9.12	7	60	0.1	1	7.29
8	B	680651	24	25	1.00	1.07	48	45	0.1	0.001	0.0038	0.004	10.05	6	70	0.1	1	5.23
8	B	680652	25	26	1.00	1.06	1890	507	0.1	0.059	0.213	0.528	9.6	8	90	0.1	1	6.67
8	B	680653	26	27	1.00	1.00	78	73	0.1	0.002	0.0045	0.008	9.58	7	80	0.1	1	7.07
8	B	680654	27	28	1.00	1.00	105	79	0.1	0.002	0.0239	0.035	9.51	5	60	0.1	3	6.92

0.5	46	166	11.1	0.34	3.67	2010	1	2.22	300	2	0.29	10	257	0.97	413	10	126
0.5	51	75	11.2	0.32	3.44	2000	1	2.32	180	3	0.32	11	235	1.02	502	10	126
0.5	56	94	11.7	0.41	3.65	2020	6	2.45	300	2	0.67	9	326	0.94	529	10	126
0.5	34	545	5.93	0.94	5.28	1120	1	2.35	1720	8	0.14	14	1050	0.35	144	10	86
0.5	46	517	8.37	0.93	5.5	1540	1	2.02	2980	7	0.28	12	617	0.56	272	10	123
0.5	45	44	11	0.35	3.55	2400	1	2.09	240	2	0.1	5	228	1.04	436	10	126
0.5	49	92	10.95	0.34	3.49	2410	1	1.84	240	2	0.07	5	186	0.97	422	10	124
0.5	49	147	10.95	0.31	3.76	2330	1	1.91	380	2	0.08	5	211	0.96	424	10	129
0.5	47	64	11.8	0.27	3.18	2400	1	2.04	240	3	0.03	8	204	1.04	461	10	133
0.5	47	702	6.88	0.64	7.31	1470	1	1.48	1400	3	0.07	5	454	0.34	153	10	149
0.5	50	69	11.45	0.26	3.25	2250	1	2.18	250	2	0.08	8	244	1.07	459	10	136
0.5	48	49	11.45	0.2	3.22	2380	1	2	200	4	0.01	6	182	1.05	429	10	136
0.5	50	103	12.05	0.18	3.27	2530	1	1.93	240	2	0.05	8	170	1.06	419	10	146
0.5	48	43	12.1	0.2	3.23	2390	1	1.98	350	2	0.01	8	164	1.07	438	10	144
0.5	46	63	11.65	0.19	3.17	2340	1	1.93	290	2	0.02	7	165	1.05	436	10	139
0.5	79	209	11.95	0.3	5.74	1930	2	1.01	90	2	0.89	8	76	0.48	247	10	100
0.5	77	201	10.05	0.23	5.15	1650	1	1.23	150	2	0.99	6	110	0.45	258	10	82
0.5	57	219	10	0.19	5.82	1760	1	1.11	170	2	0.21	13	96	0.48	280	10	88
0.5	58	239	9.56	0.17	5.39	1660	1	0.9	130	2	0.25	5	127	0.42	284	10	101
0.5	51	95	7.67	0.34	4.67	1360	1	1.8	70	2	0.14	11	162	0.28	180	10	73
0.5	51	92	9.04	0.5	3.85	1750	1	1.93	50	4	0.08	12	211	0.63	496	10	85
0.5	32	303	5.94	0.84	4.53	1010	1	2.84	990	2	0.01	12	438	0.4	152	10	78
0.5	39	371	6.33	0.97	5.06	1010	1	2.71	1090	9	0.09	5	463	0.42	160	10	89
0.5	37	365	6.01	0.98	5.11	1040	1	2.56	950	6	0.01	8	392	0.39	146	10	85
0.1	39	23	8.45	0.34	2.55	1180	1	2.04	170	2	0.08	5	150	0.74	422	10	63
0.1	38	19	8.47	0.31	2.37	1195	1	2.16	180	7	0.08	5	178	0.8	444	10	59
0.1	35	15	7.99	0.29	2.27	1040	1	1.99	190	4	0.1	5	167	0.66	361	10	55
0.1	32	30	6.86	0.3	2.48	983	1	2.1	120	3	0.02	5	201	0.63	306	10	54
0.6	40	9	7.96	0.32	2.15	1055	1	2.24	190	4	0.08	5	153	0.66	368	10	58
0.5	34	10	7.77	0.28	2.12	986	1	2	140	1	0.08	5	144	0.65	382	10	53
0.1	35	12	7.84	0.28	2.34	1060	1	2.17	160	1	0.05	5	149	0.65	347	10	59
0.1	35	16	7.82	0.26	2.31	1050	1	1.94	180	2	0.07	5	132	0.64	355	10	54
0.1	37	21	7.8	0.3	2.47	1070	1	2.21	130	2	0.03	5	144	0.62	345	10	69
0.1	41	16	8.37	0.32	2.41	1170	1	2.03	170	4	0.09	5	142	0.69	382	10	68
0.1	35	18	7.95	0.3	2.49	1070	1	2.14	150	1	0.03	5	144	0.49	273	10	68
0.6	38	22	8	0.3	2.39	1080	1	2.1	140	3	0.04	5	142	0.58	330	10	69
0.1	39	12	8.66	0.34	2.22	1255	1	2.23	220	3	0.07	5	163	0.7	362	10	79
0.5	39	11	8.35	0.3	2.13	1155	1	2.11	210	1	0.09	5	156	0.7	354	10	72
0.1	37	11	8.31	0.34	2.09	1125	1	2.06	200	5	0.06	5	157	0.62	315	10	79
0.1	37	12	8.88	0.32	2.1	1160	1	2.22	250	2	0.03	5	163	0.7	345	10	66
0.1	35	13	8.49	0.36	2.05	1185	1	2.18	290	3	0.04	5	159	0.67	321	10	76
0.1	37	21	8.67	0.37	2.38	1195	1	2.37	150	1	0.02	5	154	0.64	266	10	88
0.5	41	26	9.66	0.26	2.21	1320	1	1.84	210	3	0.04	5	159	0.85	478	10	69
0.1	38	27	9.39	0.31	2.5	1345	1	2.02	90	1	0.03	5	151	0.84	448	10	79
0.1	43	11	9.37	0.29	2.31	1250	1	1.78	150	2	0.07	5	145	0.75	509	10	75
0.1	32	28	8.46	0.28	2.13	1125	1	1.93	80	2	0.02	5	193	0.49	285	10	61
0.1	33	23	8.75	0.22	2.44	1245	1	3.22	70	3	0.01	5	165	0.73	249	10	58
0.6	66	132	7.51	0.38	2.54	920	1	2.1	150	7	0.75	5	152	0.32	189	10	75
0.1	35	176	6.41	0.36	3.13	1005	1	2.08	150	10	0.03	5	145	0.26	162	10	66
0.1	34	178	6.41	0.26	3.04	962	1	2.05	160	3	0.04	5	136	0.24	153	10	60

8	B	680655	28	29	1.00	1.00	19	72	0.1	0.001	0.003	0.002	9.48	6	70	0.1	1	6.69
8	B	680656	29	30	1.00	1.04	32	96	0.1	0.002	0.0231	0.003	10	5	90	0.1	1	6.36
8	B	680657	30	31	1.00	1.03	13	81	0.1	0.001	0.002	0.002	10.1	5	50	0.1	1	7.47
8	B	680658	31	32	1.00	1.03	19	69	0.1	0.001	0.0025	0.002	9.29	5	60	0.1	1	6.58
8	B	680659	32	33	1.00	1.08	78	73	0.1	0.002	0.0012	0.002	9.53	5	80	0.1	1	6.53
8	C	680660	30	31	1.00	1.08	62	72	0.1	0.001	0.0012	0.002	9.48	5	60	0.1	1	7.14
8	C	680661	31	32	1.00	1.00	119	78	0.1	0.003	0.0014	0.002	9.63	5	40	0.1	1	7.78
8	C	680662	32	33	1.00	1.12	106	70	0.8	0.004	0.0024	0.003	9.57	5	40	0.1	1	7.31
8	C	680663	33	34	1.00	0.99	120	74	0.1	0.003	0.001	0.002	10.05	5	50	0.1	1	7.95
8	C	680664	34	35	1.00	1.10	105	62	0.1	0.002	0.001	0.002	9.41	6	50	0.1	1	7.4
8	C	680665	35	36	1.00	1.11	104	64	0.1	0.002	0.0011	0.002	9.77	5	50	0.1	1	7.86
8	C	680666	36	37	1.00	0.99	75	64	0.1	0.001	0.001	0.002	9.92	5	50	0.1	1	7.84
8	C	680667	37	38	1.00	1.00	68	60	0.1	0.001	0.0009	0.001	9.8	5	50	0.1	1	7.73
8	D	680668	38	39	1.00	1.03	43700	302	11.4	0.575	0.001	0.079	7.73	5	100	0.1	1	5.22
8	D	680669	39	40	1.00	1.06	7930	267	1.5	0.201	0.0064	0.022	6.97	5	70	0.1	1	7.05
8	D	680670	40	41	1.00	0.99	17600	194	3.8	0.19	0.0041	0.023	10.6	15	170	0.1	1	5.32
8	D	680671	41	42	1.00	1.01	2620	168	0.5	0.044	0.001	0.012	7.99	5	60	0.1	1	7.7
8	E	680672	38	39	1.00	0.99	386	78	0.1	0.007	0.002	0.003	10.05	16	60	0.1	1	7.62
8	E	680673	39	40	1.00	1.06	14000	252	2.5	0.126	0.0052	0.006	10.5	8	110	0.1	1	6.55
8	E	680674	40	41	1.00	1.08	4780	208	0.9	0.051	0.0024	0.002	10.25	5	90	0.1	1	7.04
8	E	680675	41	42	1.00	1.04	225	116	0.1	0.005	0.0015	0.002	9.42	8	50	0.1	1	7.29
8	E	680676	42	43	1.00	1.00	17700	258	3.9	0.3	0.0059	0.007	10.3	10	160	0.1	1	5.75
8	E	680677	43	44	1.00	0.85	44600	539	9.6	1.56	0.0018	0.026	8.7	10	210	0.1	12	4.38
8	E	680678	44	45	1.00	0.98	26200	438	5.2	1.15	0.0033	0.018	8.85	7	110	0.1	2	6.44
8	E	680679	45	46	1.00	1.00	21200	517	4	0.366	0.0853	0.023	9.48	16	100	0.1	1	6.56
8	E	680680	46	47	1.00	1.01	3280	148	0.1	0.041	0.0105	0.009	10.2	5	120	0.1	1	6.37
8	E	680681	47	48	1.00	1.02	501	68	0.1	0.01	0.0049	0.009	10.6	16	130	0.1	1	6.65
8	E	680682	48	49	1.00	1.01	224	54	0.8	0.005	0.0031	0.007	10.25	7	140	0.1	1	6.4
8	F	680683	49	50	1.00	1.01	1120	224	0.1	0.016	0.0236	0.057	9.18	10	60	0.1	1	6.98
8	F	680684	50	51	1.00	0.98	1960	867	0.1	0.033	0.078	0.168	8.65	8	100	0.1	1	5.95
8	F	680685	51	52	1.00	0.71	7920	176	1.4	0.283	0.0554	0.009	9.82	16	80	0.1	1	6.03
8	F	680686	52	53	1.00	1.00	2140	144	0.1	0.1	0.0357	0.004	9.87	5	170	0.1	1	6.5
8	F	680687	53	54	1.00	1.00	653	97	0.1	0.016	0.014	0.005	10	6	190	0.1	1	5.94
8	F	680688	54	55	1.00	1.00	4950	193	0.7	0.074	0.0108	0.014	9.96	5	220	0.1	1	5.48
8	F	680689	55	56	1.00	1.02	16000	271	2.5	0.216	0.0069	0.031	9.84	8	170	0.1	1	5.3
8	F	680690	56	57	1.00	1.00	7700	245	0.9	0.11	0.0129	0.014	9.62	5	240	0.1	4	5.5
8	F	680691	57	58	1.00	1.05	4380	168	0.6	0.099	0.0154	0.008	9.03	5	200	0.1	4	5.58
8	F	680692	58	59	1.00	1.06	2860	153	0.6	0.052	0.014	0.005	8.77	7	240	0.1	2	5.25
8	F	680693	59	59.9	0.90	1.08	1630	119	0.1	0.018	0.0229	0.003	10.05	5	200	0.1	1	5.74
8	F	680694	59.9	60.45	0.55	0.53	15200	333	2.5	0.182	0.0128	0.018	10	5	230	0.1	1	5.2
8	F	680695	60.45	61.3	0.85	0.83	13500	308	2.3	0.26	0.0375	0.019	9.91	6	160	0.1	2	7.18
8	F	680696	61.3	62	0.70	0.73	2130	137	0.1	0.049	0.0486	0.009	9.88	5	220	0.1	1	6.48
8	F	680697	62	62.6	0.60	0.58	1690	139	0.5	0.023	0.0676	0.007	8.64	11	200	0.1	1	5.77
8	F	680698	62.6	63.4	0.80	0.80	576	122	0.1	0.014	0.117	0.004	8.8	9	190	0.1	1	5.2
8	F	680699	63.4	64	0.60	0.66	561	248	0.1	0.012	0.0477	0.002	7.72	11	140	0.1	1	5.67
8	F	680700	64	65	1.00	0.94	272	161	0.1	0.007	0.137	0.002	6.14	6	120	0.1	1	5.98
8	F	680701	65	66	1.00	1.00	89	159	0.5	0.003	1.05	0.001	6.03	5	110	0.1	1	5.78
8	F	680702	66	66.55	0.55	0.58	28	152	0.1	0.001	0.759	0.005	6.13	19	100	0.1	1	5.49
8	F	680703	66.55	67.1	0.55	0.57	7	138	0.1	0.002	0.11	0.182	4.96	5	110	0.1	1	4.73
8	F	680704	67.1	67.7	0.60	0.60	26	109	0.1	0.001	0.331	0.009	5.74	5	140	0.1	1	4.85

0.1	32	164	6.58	0.32	3.06	1045	1	2.5	180	1	0.01	5	153	0.26	155	10	57
0.1	36	128	7.13	0.34	3.04	1060	5	2.63	120	3	0.01	5	158	0.21	132	10	64
0.1	36	122	7.23	0.23	3.72	1175	1	2.47	140	1	0.01	5	147	0.24	156	10	69
0.5	30	94	6.38	0.29	3.27	1060	1	2.3	130	5	0.01	5	139	0.21	137	10	67
0.1	36	79	6.83	0.35	3.34	1105	1	2.46	140	1	0.01	5	141	0.24	149	10	81
0.1	32	100	6.2	0.24	3.32	994	1	1.99	140	5	0.03	5	143	0.21	143	10	57
0.1	36	94	6.43	0.16	3.35	1050	1	2	150	1	0.03	5	142	0.22	154	10	49
0.1	36	78	6.29	0.17	3.21	1060	1	1.96	140	1	0.03	5	134	0.24	157	10	52
0.1	39	64	7.06	0.17	3.43	1220	1	2.05	150	1	0.04	5	140	0.26	173	10	63
0.1	37	52	6.34	0.16	3.12	1120	1	1.98	150	1	0.03	5	137	0.23	156	10	60
0.1	38	45	6.51	0.17	3.22	1130	1	1.98	150	1	0.03	5	134	0.25	159	10	58
0.1	40	46	6.91	0.17	3.22	1150	2	2.08	200	1	0.03	5	140	0.33	186	10	60
0.1	38	45	6.88	0.18	3.28	1160	1	2.1	160	1	0.03	5	140	0.25	170	10	58
0.1	52	1	11.25	0.32	0.33	224	2	3.32	>10000	1	6.77	5	167	0.03	6	10	75
0.1	114	45	16.5	0.49	2.84	1480	74	1.24	1920	4	1.08	5	46	0.26	183	10	146
0.5	55	24	8.27	0.52	0.84	608	8	3.25	290	4	2.64	5	190	0.32	57	10	95
0.1	84	53	15.15	0.48	2.69	1430	390	1.53	3250	3	0.32	5	60	0.3	183	10	108
0.1	41	77	7.84	0.24	3.11	1150	6	2.25	220	1	0.06	5	147	0.26	166	10	82
0.5	95	59	10.8	0.45	1.71	982	71	2.32	350	1	1.87	5	148	0.25	105	10	158
0.1	74	61	11.7	0.44	2.21	1160	86	2.23	610	2	0.77	5	138	0.3	145	10	111
0.1	52	54	9.29	0.28	3.03	1220	1	1.99	110	3	0.06	5	128	0.51	536	10	68
0.1	80	11	9.77	0.6	0.93	631	138	3.06	3870	2	2.54	5	161	0.23	41	10	146
1.5	129	1	10.35	0.81	0.29	244	14	3.4	8270	1	6.92	5	138	0.04	4	10	250
0.7	161	1	14.05	0.58	1.27	900	100	2.05	6410	4	3.73	5	98	0.1	10	10	229
0.1	161	2	13.95	0.52	1.37	922	145	2.08	3470	1	3.8	5	114	0.23	31	10	178
0.1	64	16	11.2	0.57	1.39	971	142	2.21	300	9	0.53	5	133	0.64	53	10	82
0.1	41	11	8.83	0.5	1.08	880	284	2.42	60	1	0.09	5	158	0.49	62	10	55
0.1	40	17	8.62	0.48	1.02	925	95	2.65	30	1	0.04	5	171	0.62	71	10	52
0.1	59	12	9.38	0.26	2.6	1240	1	1.83	130	2	0.54	5	133	0.58	687	10	79
0.1	115	16	11.85	0.45	2.31	1210	1	1.59	90	1	1.44	5	106	0.53	466	10	79
0.1	76	33	12.4	0.42	1.65	1420	1	2.24	80	6	1.26	5	144	0.72	110	10	97
0.1	72	37	12.6	0.67	1.76	1300	8	2.15	90	1	0.3	5	141	0.68	148	10	85
0.1	62	32	12.4	0.72	1.53	1410	5	2.2	60	1	0.11	5	137	1.15	141	10	74
0.6	79	27	12.3	0.81	1.44	1285	3	2.29	410	3	0.96	5	137	0.92	114	10	100
1.3	98	20	11.4	0.62	1.15	960	3	2.47	890	6	2.3	5	155	0.51	84	10	141
0.8	96	27	13	0.91	1.4	1355	47	2.29	1400	8	1.41	5	136	1.16	111	10	111
0.1	74	24	12.55	0.78	1.54	1275	56	2.2	3420	3	0.69	5	128	0.99	122	10	110
0.6	56	133	11.2	0.9	2.36	1150	31	1.95	2760	7	0.42	5	188	0.81	134	10	94
0.1	46	56	11.5	0.75	1.78	1375	20	2.25	1150	5	0.24	5	166	1.22	153	10	85
0.7	64	21	8.75	0.77	0.88	957	1	2.71	2580	1	2.82	5	213	0.52	84	10	90
0.9	71	9	10.9	0.64	1.23	844	6	2.23	9640	4	2.21	5	190	0.18	60	10	97
0.1	59	17	11.25	0.78	1.66	1105	19	2.48	3360	8	0.33	5	179	0.36	108	10	94
0.1	59	35	12	0.73	2.1	1130	4	1.74	880	1	0.33	5	122	0.41	177	10	85
0.1	58	28	12.1	0.77	2.14	1160	17	2.22	1250	1	0.12	5	149	0.29	165	10	71
0.1	83	17	15.65	0.69	2.41	1230	33	1.39	70	1	0.37	5	66	0.28	150	10	73
0.1	72	37	16.35	0.59	3.24	1490	42	0.94	110	1	0.05	5	16	0.81	248	10	72
0.1	75	113	16.05	0.58	3.64	1610	7	0.97	30	1	0.02	5	27	0.64	245	10	77
0.1	75	131	15.35	0.56	4.36	1620	2	1.05	20	1	0.01	5	48	0.51	244	10	80
0.1	60	195	14.4	0.58	5.98	2030	1	0.53	20	1	0.01	5	8	0.46	152	10	84
0.1	57	156	13.05	0.66	5.43	1720	1	0.89	10	1	0.01	5	62	0.43	147	10	83

8	F	680705	67.7	68.1	0.40	0.48	324	61	0.1	0.008	0.0044	0.002	8.05	5	520	0.9	1	4.62
8	G	680706	59	60	1.00	0.97	1720	157	0.1	0.024	0.0016	0.015	8.02	9	150	0.1	1	5.5
8	G	680707	60	61	1.00	1.01	1300	156	0.1	0.019	0.123	0.016	8.11	15	150	0.1	1	5.88
8	G	680708	61	61.8	0.80	0.81	2950	126	0.6	0.303	0.034	0.019	9.26	5	160	0.1	1	5.15
8	G	680709	61.8	62.5	0.70	0.68	829	120	0.1	0.011	0.0391	0.002	8.58	9	190	0.1	1	5.39
8	G	680710	62.5	63.5	1.00	1.20	759	144	0.1	0.01	0.104	0.002	6.78	5	130	0.1	1	6.17
8	H	680711	63	63.3	0.30	0.36	2150	183	0.7	0.043	0.0158	0.004	7.29	11	200	0.1	1	6.03
8	H	680712	63.3	64	0.70	0.62	2470	294	0.5	0.109	0.117	0.108	5.91	7	120	0.1	1	5.71
8	H	680713	64	65	1.00	1.05	115	268	0.1	0.004	0.0866	0.154	5.99	7	180	0.1	1	5.1
8	H	680714	65	66	1.00	0.98	1220	172	0.1	0.026	0.522	0.002	5.44	5	40	0.1	1	6.9
8	H	680715	66	67	1.00	1.02	137	205	0.1	0.002	0.11	0.034	5.07	5	70	0.1	1	5.84
8	H	680716	67	68	1.00	1.05	821	551	0.1	0.01	0.0607	0.152	4.89	9	70	0.1	1	6.62
8	H	680717	68	68.45	0.45	0.42	125	92	0.1	0.001	0.003	0.005	8.11	9	460	0.9	1	4.51
8	H	680718	68.45	69	0.55	0.53	4410	1100	1.2	0.074	0.118	0.268	4.76	5	80	0.1	1	6.61
8	H	680719	69	70	1.00	0.77	500	567	0.1	0.003	0.0481	0.124	5.1	5	80	0.1	1	6.53
8	H	680720	70	71	1.00	1.03	1130	379	0.1	0.016	0.0493	0.114	5.3	11	40	0.1	1	6.87
8	H	680721	71	72	1.00	1.05	355	323	0.1	0.005	0.0656	0.21	4.66	5	60	0.1	1	6.12
8	H	680722	72	73	1.00	0.94	152	104	0.6	0.002	0.352	0.003	6.14	5	70	0.1	1	5.89
8	H	680723	73	73.45	0.45	0.26	20	406	0.1	0.001	0.241	0.031	6.1	5	190	0.6	1	5.69
8	H	680724	73.45	74	0.55	0.55	687	284	0.1	0.013	0.0954	0.188	8.54	5	120	0.1	1	6.98
8	H	680725	74	75	1.00	0.93	223	157	0.1	0.005	0.0337	0.053	7.88	5	50	0.1	1	7.05
8	H	680726	75	76	1.00	1.04	486	193	0.1	0.01	0.0361	0.083	8.15	6	40	0.1	1	7.11
8	H	680727	76	77	1.00	0.97	259	191	0.1	0.004	0.0213	0.037	8.01	5	60	0.1	1	6.65
8	H	680728	77	78	1.00	0.99	385	236	0.1	0.005	0.0338	0.066	7.28	5	180	0.1	3	5.62
8	H	680729	78	79	1.00	0.98	371	127	0.1	0.006	0.0092	0.036	8.17	5	290	0.5	1	6.58
8	J	680730	80	81	1.00	1.06	72	196	0.1	0.002	0.0052	0.007	8.14	5	420	1.2	1	7.27
8	J	680731	81	82	1.00	1.02	115	227	0.5	0.002	0.0056	0.008	8.06	5	570	1.2	1	6.43
8	J	680732	82	83	1.00	1.00	60	260	0.1	0.001	0.0047	0.007	6.95	5	430	0.8	2	6.68
8	J	680733	83	84	1.00	0.98	65	70	0.1	0.001	0.0187	0.029	8.08	5	470	0.6	2	5.78
8	J	680734	84	84.7	0.70	0.70	46	67	0.1	0.001	0.0032	0.003	8.38	5	480	0.9	3	5.93
8	J	680735	84.7	85.5	0.80	0.90	110	110	0.1	0.001	0.0035	0.006	7.97	5	390	0.8	1	6.25
8	J	680736	85.5	85.8	0.30	0.60	240	174	0.1	0.003	0.0128	0.039	7.25	5	340	0.1	1	5.55
8	J	680737	85.8	86.4	0.60	0.60	51	83	0.1	0.001	0.0028	0.004	7.97	5	220	0.1	1	6.28
8	J	680738	86.4	87	0.60	0.68	26	60	0.1	0.001	0.0015	0.005	7.37	5	60	0.1	1	5.87
8	J	680739	87	88	1.00	1.00	47	77	0.1	0.002	0.0053	0.388	7.66	5	40	0.1	1	6.37
8	J	680740	88	89	1.00	1.00	291	156	0.1	0.006	0.0246	0.048	7.77	5	30	0.1	3	6.74
8	J	680741	89	90	1.00	1.04	217	101	0.1	0.003	0.119	0.034	7.45	5	40	0.1	1	6.75
8	J	680742	90	91	1.00	1.00	137	96	0.1	0.003	0.0153	0.014	7.9	5	40	0.1	2	7.27
8	J	680743	91	92	1.00	1.00	500	126	0.1	0.007	0.0153	0.041	7.91	5	30	0.1	2	7.26
8	J	680744	92	93	1.00	1.00	85	61	0.1	0.003	0.0028	0.009	7.08	5	30	0.1	2	6.59
8	J	680745	93	94	1.00	1.00	149	98	0.1	0.002	0.0077	0.021	7.69	9	40	0.1	1	6.99
8	J	680746	94	95	1.00	0.93	1080	191	0.1	0.015	0.0254	0.07	7.42	5	40	0.1	2	6.49
9	A	680747	0	1	1.00	0.98	368	170	0.1	0.002	0.0127	0.083	9.37	5	100	0.5	2	5.93
9	A	680748	1	2	1.00	0.98	173	163	0.1	0.001	0.0278	0.047	9.52	5	110	0.5	2	6.04
9	A	680749	2	3	1.00	1.04	185	143	0.1	0.001	0.0474	0.076	9.67	6	60	0.5	2	7.24
9	A	680750	3	3.7	0.70	0.94	345	380	0.1	0.001	0.0309	0.038	9.82	5	70	0.5	2	6.69
9	B	680751	3.7	4.3	0.60	0.68	473	322	0.1	0.001	0.0188	0.083	9.91	5	70	0.5	2	6.32
9	B	680752	4.3	5	0.70	0.68	417	244	0.1	0.001	0.0141	0.069	10.2	5	80	0.5	2	8.09
9	B	680753	5	6	1.00	0.99	366	284	0.1	0.001	0.0166	0.077	9.39	5	110	0.5	2	5.88
9	B	680754	6	6.7	0.70	0.73	149	188	0.1	0.001	0.0334	0.058	9.24	7	110	0.5	2	6.18

0.1	23	73	5	0.55	2.14	549	1	2.96	1050	1	0.19	5	906	0.41	98	10	46
0.1	74	55	13.75	0.65	2.32	1390	44	1.7	2790	1	0.24	5	82	0.89	210	10	111
0.1	70	35	13.65	0.63	2.2	1320	55	1.69	3940	3	0.19	5	86	0.8	171	10	97
0.1	49	47	11.7	0.59	1.72	1240	27	2.38	1460	1	0.41	5	155	1.36	188	10	80
0.1	55	60	12	0.7	2.1	1210	1	1.93	490	1	0.09	5	128	0.44	244	10	79
0.1	68	26	15.7	0.64	3.12	1440	2	0.98	160	3	0.08	9	28	0.46	205	10	86
0.1	72	38	17.05	0.83	3.08	1630	4	1.04	180	1	0.29	5	20	0.99	247	10	111
0.1	74	142	14.8	0.6	4.04	1480	6	0.94	150	1	0.49	5	29	0.51	193	10	94
0.1	70	197	14.35	0.77	4.96	1800	9	0.99	310	3	0.1	5	42	0.73	174	10	92
0.1	72	132	16.05	0.29	4.04	1590	32	0.85	460	3	0.19	5	19	0.4	267	10	97
0.1	64	191	13.7	0.38	5.08	1860	1	0.78	50	1	0.08	5	29	0.54	217	10	92
0.1	70	210	11.2	0.3	5.33	1650	1	0.87	140	1	0.67	5	69	0.43	243	10	84
0.1	24	70	5.04	0.59	2.07	583	1	2.94	1090	1	0.1	6	886	0.41	98	10	48
0.1	102	208	11.9	0.32	5.45	1660	1	0.87	110	1	1.45	5	79	0.49	288	10	106
0.1	78	219	12.3	0.3	5.92	1980	2	1	110	1	0.78	5	73	0.5	243	10	84
0.1	63	182	10.65	0.2	5.38	1650	2	1.04	110	1	0.41	5	81	0.47	269	10	88
0.1	58	173	10.75	0.27	5.57	1790	1	0.88	100	1	0.3	5	67	0.43	231	10	82
0.1	51	228	11.7	0.3	4.51	1700	2	1.37	20	1	0.05	5	108	0.23	164	10	83
0.1	54	646	8.91	0.76	7.8	1480	1	1	890	1	0.01	9	111	0.33	156	10	109
0.1	54	96	8.49	0.35	3.8	1330	1	2.3	50	5	0.27	7	259	0.53	405	10	80
0.1	48	76	9.3	0.24	3.82	1605	1	2.06	30	5	0.08	8	192	0.85	445	10	82
0.1	54	62	9.41	0.2	3.64	1685	1	2.18	30	5	0.18	5	187	0.82	458	10	85
0.1	56	67	10.9	0.32	3.43	1780	1	2.21	40	6	0.1	5	190	1	489	10	92
0.1	55	182	10.05	0.67	4	1550	1	1.68	240	8	0.15	5	185	0.8	397	10	102
0.1	49	132	9.06	0.64	4.11	1425	1	2.4	410	4	0.19	5	371	0.73	344	10	91
0.1	37	448	5.43	0.89	5.34	940	1	2.74	1750	11	0.2	5	1150	0.3	123	10	73
0.1	42	481	5.86	1.28	6.07	979	1	2.71	1760	8	0.22	5	872	0.34	137	10	80
0.1	49	546	7.39	1.26	7.1	1345	1	1.68	1000	4	0.07	5	385	0.43	201	10	102
0.1	37	180	7.62	0.96	4.51	1260	1	2.82	700	4	0.11	5	473	0.51	228	10	116
0.1	31	254	5.7	0.99	4.65	853	1	3.18	1060	10	0.11	5	643	0.46	165	10	76
0.1	36	336	6.57	0.8	5.17	1080	1	2.87	970	7	0.09	5	494	0.42	170	10	94
0.1	53	179	9.29	0.75	4.05	1530	2	1.75	180	5	0.1	5	188	0.8	436	10	110
0.1	54	64	11.05	0.57	3.94	1935	1	1.98	60	5	0.04	5	183	0.98	441	10	115
0.1	47	63	10.65	0.26	3.51	2020	1	2.08	50	7	0.03	5	165	0.95	286	10	100
0.1	51	51	10.85	0.2	3.19	1950	1	1.98	110	6	0.04	5	158	0.92	420	10	98
0.1	55	51	11.3	0.2	3.33	1955	2	2.05	120	12	0.12	5	170	0.95	440	10	113
0.1	50	46	10.85	0.2	3.31	1885	1	1.97	120	8	0.12	5	169	0.9	404	10	107
0.1	51	49	11.2	0.19	3.34	1950	1	2.11	110	3	0.07	5	180	1	447	10	114
0.1	52	53	11.05	0.18	3.34	1900	1	2.12	120	5	0.08	5	177	0.98	456	10	109
0.1	47	47	10.15	0.14	3.13	1825	1	1.91	100	5	0.02	5	157	0.92	430	10	102
0.1	50	50	11.2	0.15	3.2	2010	1	2.23	140	7	0.03	5	171	1.04	467	10	111
0.1	54	55	11.2	0.15	3.39	2120	1	2.06	150	4	0.19	6	168	0.95	421	10	120
0.5	44	28	8.36	0.43	1.57	1110	4	2.43	1220	2	0.18	5	169	1.37	252	10	40
0.5	44	33	8.01	0.53	2.16	963	3	2.43	280	2	0.18	5	169	0.66	265	10	42
0.5	37	28	7.46	0.35	1.89	742	1	1.95	390	2	0.14	5	185	0.28	199	10	30
0.5	69	26	9.01	0.44	2.27	1120	1	2.32	1020	2	0.51	5	157	1	280	10	43
0.5	77	20	9.97	0.4	1.73	1020	1	2.43	1830	2	0.78	5	190	0.98	269	10	36
0.5	53	22	8.65	0.44	1.6	935	1	1.73	850	2	0.41	5	222	1	262	10	32
0.5	53	22	8.8	0.62	1.89	949	1	2.47	1550	2	0.47	5	198	0.83	256	10	38
0.5	40	20	7.73	0.59	2.02	940	1	2.35	940	9	0.16	5	208	0.54	273	10	53

9	B	680755	6.7	7.4	0.70	0.72	186	270	0.1	0.001	0.0195	0.05	9.14	5	150	0.5	2	5.98
9	C	680756	7.4	8.2	0.80	0.80	254	307	0.1	0.002	0.0356	0.122	9.39	5	110	0.5	2	6.38
9	C	680757	8.2	9	0.80	0.91	164	267	0.1	0.001	0.0331	0.067	9.21	13	100	0.5	2	6.58
9	C	680758	9	10	1.00	1.02	166	300	0.1	0.001	0.0375	0.05	9.17	11	110	0.5	2	6.62
9	C	680759	10	11	1.00	0.96	191	205	0.1	0.002	0.0466	0.051	9.18	6	80	0.5	2	6.41
9	C	680760	11	12	1.00	0.99	121	206	0.1	0.001	0.0264	0.026	9.23	6	90	0.5	2	6.53
9	C	680761	12	13	1.00	0.98	126	165	0.1	0.001	0.0221	0.017	9.15	6	90	0.5	2	6.1
9	D	680762	11	12	1.00	0.78	142	186	0.1	0.001	0.0365	0.074	9.49	11	70	0.5	2	6.41
9	D	680763	12	13	1.00	1.04	176	127	0.1	0.001	0.0199	0.022	8.63	5	40	0.7	2	7.1
9	D	680764	13	14	1.00	1.03	50	95	0.1	0.001	0.0289	0.014	9.4	5	70	0.5	2	6.42
9	D	680765	14	15	1.00	0.98	97	132	0.1	0.001	0.138	0.023	9.08	5	90	0.5	2	6.5
9	D	680766	15	15.8	0.80	0.69	149	117	0.1	0.003	0.0698	0.009	9.48	13	100	0.5	2	6.92
9	D	680767	15.8	16.6	0.80	0.77	73	102	0.1	0.001	0.0571	0.018	9.13	5	130	0.5	2	6.57
9	D	680768	16.6	17.4	0.80	0.83	141	73	0.1	0.002	0.122	0.019	9.35	18	140	0.5	2	6.8
9	D	680769	17.4	18.1	0.70	0.71	387	99	0.1	0.004	0.125	0.046	8.52	5	130	0.5	2	6.16
9	D	680770	18.1	18.7	0.60	0.58	118	74	0.1	0.001	0.136	0.038	9.09	5	100	0.5	2	6.41
9	D	680771	18.7	19.5	0.80	0.89	89	51	0.1	0.001	0.0424	0.067	8.69	5	80	0.5	2	5.66
9	D	680772	19.5	20.2	0.70	0.73	159	66	0.1	0.001	0.0227	0.095	8.3	8	280	0.6	2	5.66
9	D	680773	20.2	20.9	0.70	0.72	93	61	0.1	0.001	0.0023	0.003	7.74	12	500	1.5	2	6.28
9	D	680774	20.9	21.6	0.70	0.62	8	105	0.1	0.001	0.0033	0.003	6.26	5	380	1.5	2	6.75
9	E	680775	17	18	1.00	1.03	47	64	0.1	0.001	0.0905	0.045	8.66	5	100	0.5	2	6.38
9	E	680776	18	18.7	0.70	0.86	104	97	0.1	0.001	0.0693	0.058	8.88	5	120	0.5	2	6.3
9	E	680777	18.7	19.5	0.80	0.81	95	73	0.1	0.002	0.0538	0.12	8.59	5	130	0.5	2	6.26
9	E	680778	19.5	20.3	0.80	0.78	62	88	0.1	0.001	0.0774	0.074	7.87	5	180	0.5	2	5.63
9	E	680779	20.3	21	0.70	0.69	92	99	0.1	0.004	0.173	0.563	8.09	5	150	0.5	2	5.57
9	E	680780	21	22	1.00	1.00	305	261	0.1	0.007	0.064	0.149	8.02	5	80	0.5	2	6.52
9	E	680781	22	22.8	0.80	0.83	224	185	0.1	0.005	0.0122	0.03	8.02	5	70	0.5	2	6.91
9	E	680782	22.8	23.5	0.70	0.80	268	147	0.1	0.006	0.0605	0.106	7.89	8	120	0.5	2	6.42
9	E	680783	23.5	24.2	0.70	0.69	195	48	0.1	0.001	0.0006	0.009	7.77	6	270	1	2	5.53
9	E	680784	24.2	24.9	0.70	0.69	330	163	0.1	0.003	0.152	0.047	6.96	6	90	0.7	2	6.14
9	E	680785	24.9	25.6	0.70	0.72	503	254	0.1	0.011	0.504	0.121	8.31	5	100	0.5	2	5.88
9	E	680786	25.6	26.3	0.70	0.70	4680	689	1.1	0.021	0.175	0.195	8.28	5	120	0.5	2	5.16
9	F	680787	26.6	27.3	0.70	0.80	429	281	0.1	0.001	0.0913	0.135	8.6	5	290	0.7	2	5.49
9	F	680788	27.3	28	0.70	0.79	272	152	0.1	0.001	0.0299	0.099	8.26	5	300	0.6	2	6.42
9	F	680789	28	29	1.00	1.01	144	116	0.1	0.001	0.0142	0.024	8.07	5	120	0.5	2	7
9	F	680790	29	30	1.00	1.03	105	107	0.1	0.001	0.0081	0.013	7.79	5	170	0.5	2	7.06
9	F	680791	30	31	1.00	0.99	75	102	0.1	0.001	0.0054	0.005	7.87	5	130	0.5	2	7.18
9	F	680792	31	32	1.00	1.00	254	123	0.1	0.001	0.0448	0.03	7.42	5	130	0.5	2	6.86
9	F	680793	32	33	1.00	1.23	212	94	0.1	0.001	0.0105	0.011	7.34	5	160	0.5	2	6.47
9	F	680794	33	34.2	1.20	1.26	116	90	0.1	0.001	0.005	0.005	7.33	5	290	0.5	2	6.46
9	F	680795	34.2	35	0.80	0.87	103	80	0.1	0.001	0.0046	0.004	7.7	5	300	0.9	2	6.51
9	F	680796	35	36	1.00	1.03	216	60	0.1	0.001	0.0057	0.006	6.98	5	510	1	2	6.26
9	F	680797	36	37	1.00	0.97	448	67	0.1	0.003	0.0174	0.01	5.91	5	500	0.9	2	7.46
9	G	680798	37	38	1.00	0.90	439	56	0.1	0.002	0.0048	0.005	6.86	5	380	1.3	2	7.02
9	G	680799	38	39	1.00	1.00	717	57	0.1	0.005	0.0081	0.019	5.46	5	300	1.1	2	7.47
9	G	680800	39	40	1.00	0.98	514	64	0.1	0.003	0.0035	0.003	5.64	5	640	0.9	2	6.84
9	G	680801	40	41	1.00	0.97	195	123	0.1	0.001	0.003	0.005	5.15	5	350	0.9	2	8.15
9	G	680802	41	41.7	0.70	0.87	170	136	0.1	0.001	0.0106	0.01	4.57	5	300	0.8	2	9.03
9	G	680803	41.7	42.4	0.70	0.79	45	115	0.1	0.001	0.0109	0.009	4.8	5	400	1	2	8.56
9	G	680804	42.4	43.9	1.50	1.46	81	46	0.1	0.001	0.0015	0.001	3.73	5	320	0.7	2	4.45

0.5	47	29	8.29	0.79	2.53	1170	2	2.31	580	2	0.3	5	215	1.01	242	10	48
0.5	53	54	8.99	0.72	2.47	1140	1	2.2	580	2	0.48	5	194	0.78	292	10	45
0.5	50	60	8.71	0.63	2.77	1145	1	1.97	420	2	0.34	5	158	0.84	334	10	48
0.5	49	64	8.82	0.67	2.94	1095	1	1.96	730	2	0.32	5	155	0.65	520	10	49
0.5	41	72	8.56	0.5	2.8	1105	1	1.98	470	2	0.21	5	152	0.72	279	10	42
0.5	38	60	8.02	0.56	2.64	1030	1	1.99	340	2	0.19	5	165	0.63	394	10	40
0.5	41	84	9.29	0.51	2.87	1250	2	1.85	420	2	0.16	5	139	0.6	265	10	50
0.5	44	74	9.57	0.4	2.91	1345	1	1.83	400	2	0.23	5	131	1.01	332	10	49
0.5	46	81	12.85	0.37	2.64	1460	2	1.32	250	2	0.26	5	84	0.47	241	10	61
0.5	32	62	8.06	0.38	2.68	1070	1	2.13	60	2	0.08	5	153	0.36	291	10	44
0.5	37	110	8.64	0.51	2.85	1250	1	1.93	330	2	0.08	5	147	0.57	322	10	52
0.5	41	102	9.53	0.58	2.68	1245	1	1.89	230	2	0.08	5	156	0.49	186	10	49
0.5	37	90	8.12	0.61	2.63	1240	1	1.9	50	2	0.1	5	151	0.49	240	10	51
0.5	28	50	6.2	0.61	1.99	958	1	2.24	80	2	0.08	5	178	0.31	199	10	43
0.5	33	37	6.55	0.52	1.89	898	1	2.41	70	3	0.24	5	224	0.22	186	10	44
0.5	33	69	7.63	0.5	2.59	1190	1	2.19	40	2	0.09	5	188	0.18	216	10	55
0.5	25	58	7.27	0.39	2.76	1210	1	2.04	10	2	0.15	5	193	0.06	276	10	60
0.5	25	135	8.84	0.85	3.36	1580	1	2.19	410	3	0.32	5	300	0.67	301	10	72
0.5	29	282	6.77	0.86	4.64	1365	4	2.48	1430	2	0.14	5	675	0.49	199	10	96
0.5	30	554	6.3	0.77	5.86	1690	1	2.06	1200	3	0.01	5	580	0.36	167	10	112
0.5	28	63	6.94	0.5	2.52	1145	2	2.05	30	2	0.06	5	163	0.08	207	10	44
0.5	34	60	7.15	0.62	2.36	1170	1	2.18	160	2	0.19	5	170	0.1	182	10	45
0.5	31	70	8.92	0.53	2.9	1690	1	1.68	220	2	0.08	5	122	0.21	294	10	51
0.5	36	68	8.34	0.61	3.42	1495	1	1.79	140	3	0.04	5	236	0.25	225	10	59
0.5	34	60	8.92	0.69	3.01	1490	1	1.76	80	2	0.11	5	164	0.47	288	10	57
0.5	53	102	9.56	0.39	4.24	1570	1	1.52	60	2	0.14	5	121	0.23	250	10	67
0.5	57	128	10.1	0.4	4.52	1680	1	1.52	90	2	0.06	5	127	0.25	287	10	77
0.5	45	87	12.3	0.67	3.96	1755	1	1.55	420	2	0.27	5	148	0.24	296	10	85
0.5	26	35	10.25	0.74	1.79	1490	1	1.86	2520	2	0.35	5	448	0.96	67	10	61
0.5	62	93	12.6	0.43	3.08	1950	1	1.44	1380	2	0.67	5	128	0.63	161	10	90
0.5	64	85	10.25	0.53	2.99	1435	2	2.23	950	2	0.78	5	171	0.15	222	10	79
0.5	155	36	11.45	0.54	2.47	1195	3	2.48	650	2	3.23	5	205	0.17	252	10	66
0.5	80	67	10.1	1.16	3.06	1405	1	2.09	680	2	1.14	5	279	0.39	409	10	78
0.5	55	100	10.75	1.19	3.81	1755	1	1.85	420	2	1.15	5	232	0.56	435	10	90
0.5	45	175	9.33	0.63	4.26	1780	1	1.98	440	2	0.52	5	208	0.52	341	10	87
0.5	45	186	8.73	0.81	4.37	1775	2	2	310	5	0.35	5	216	0.56	304	10	84
0.5	44	212	8.46	0.67	4.49	1760	1	2.13	310	5	0.2	5	202	0.52	291	10	82
0.5	61	201	9.26	0.68	4.34	1740	1	1.93	430	7	0.82	5	192	0.54	303	10	85
0.5	49	183	8.87	0.84	4.11	1690	4	1.83	320	6	0.7	5	178	0.61	308	10	84
0.5	41	203	8.79	1.22	4.25	1770	1	1.88	300	3	0.36	5	240	0.6	314	10	85
0.5	37	179	7.77	0.9	3.66	1395	1	2.27	950	5	0.33	5	626	0.54	283	10	71
0.5	57	117	10.9	1.6	4.33	1370	1	1.89	630	6	0.77	5	626	0.85	460	10	88
0.5	96	159	14.1	1.96	5.95	1635	1	0.77	410	6	1.05	5	377	1.12	627	10	106
0.5	65	90	11.5	1.4	3.76	1835	1	1.28	660	7	1.7	5	538	0.81	410	10	98
0.5	117	92	14.4	1.07	5.11	1620	1	0.64	1200	5	2.57	5	417	0.86	546	10	107
0.5	89	134	10.8	1.67	6.04	1265	1	0.93	820	6	1.27	5	425	0.84	416	10	96
0.5	60	303	7.54	0.81	7.64	1360	1	0.97	680	6	0.11	5	441	0.53	228	10	99
0.5	52	608	6.54	0.52	8.21	1285	1	0.98	600	3	0.19	5	400	0.41	184	10	83
0.5	49	537	6.65	0.83	7.76	1325	1	1.12	600	7	0.02	5	398	0.45	201	10	91
0.5	30	184	5.23	1.29	3.75	939	1	0.8	970	2	0.23	5	335	0.34	162	10	72

9	H	680805	41	42	1.00	1.15	115	6	0.1	0.001	0.0005	0.001	6.7	5	320	1.2	2	8.12
9	H	680806	42	43	1.00	0.99	110	5	0.1	0.001	0.0005	0.001	7.1	5	480	1.1	2	6.85
9	H	680807	43	44	1.00	0.97	77	3	0.1	0.001	0.0005	0.001	7.32	5	540	1.2	2	6.3
9	H	680808	44	45	1.00	0.74	86	2	0.1	0.001	0.0005	0.001	7.06	5	510	1.3	2	5.23
9	H	680809	45	46	1.00	1.00	35	1	0.1	0.001	0.0005	0.001	8.25	5	580	1.5	2	5.7
9	H	680810	46	47	1.00	1.00	84	1	0.1	0.001	0.0005	0.001	7.14	5	510	1.3	2	5.73
9	H	680811	47	48	1.00	0.90	37	1	0.1	0.001	0.0005	0.001	7.8	5	660	1.5	2	5.51
9	H	680812	48	48.7	0.70	0.68	72	3	0.1	0.001	0.0005	0.001	7.51	5	520	1.4	2	6.08
9	H	680813	48.7	49.5	0.80	0.34	100	2	0.1	0.001	0.0005	0.001	7.15	5	450	1.2	2	6.7
9	H	680814	49.5	50.5	1.00	0.69	92	1	0.1	0.001	0.0005	0.001	6.89	5	650	1.4	2	6.38
9	J	680815	48.7	49.4	0.70	0.59	33	2	0.1	0.001	0.0005	0.001	7.87	5	450	2.5	2	1.6
9	J	680816	49.4	50.1	0.70	0.73	30	2	0.1	0.001	0.0005	0.001	8.01	5	460	2.5	2	2.06
9	J	680817	50.1	50.8	0.70	0.68	31	4	0.1	0.001	0.0005	0.001	8.36	5	420	3	2	2.18
9	J	680818	50.8	51.5	0.70	0.73	41	3	0.1	0.001	0.0005	0.001	7.63	5	490	2.6	2	1.79
9	J	680819	51.5	52	0.50	0.68	39	2	0.1	0.001	0.0005	0.001	7.67	5	570	2.5	2	1.81
9	K	680820	52.7	53.5	0.80	0.84	27	3	0.1	0.001	0.0005	0.001	7.49	5	1330	2.3	2	1.69
9	K	680821	53.5	54.3	0.80	0.58	23	5	0.1	0.001	0.0005	0.001	7.7	5	2380	2.2	2	1.45
9	K	680822	54.3	55	0.70	0.74	48	3	0.1	0.001	0.0005	0.001	7.74	5	2130	2.2	2	1.77
9	K	680823	55	56	1.00	1.00	25	2	0.1	0.001	0.0005	0.001	7.91	5	1730	2.4	2	1.45
9	K	680824	56	57	1.00	0.98	24	9	0.1	0.001	0.0005	0.001	8.4	5	2010	2.4	2	1.96
9	K	680825	57	58	1.00	1.02	28	4	0.1	0.001	0.0005	0.001	8.49	5	1430	2.6	2	1.23
9	K	680826	58	59	1.00	1.06	18	5	0.1	0.001	0.0005	0.001	8.47	5	1720	2.2	2	1.48
9	K	680827	59	60	1.00	1.03	21	3	0.1	0.001	0.0005	0.001	9.77	5	2670	2.5	2	1.92
9	K	680828	60	61	1.00	1.06	22	3	0.1	0.001	0.0005	0.001	10.4	5	1200	3	2	2.03
9	K	680829	61	62	1.00	0.99	24	8	0.1	0.001	0.0005	0.001	10.6	5	1400	2.9	2	1.55
9	K	680830	62	63	1.00	1.02	26	15	0.1	0.001	0.0005	0.001	10.15	5	610	3	2	2.56
9	K	680831	63	64	1.00	1.00	31	2	0.1	0.001	0.0005	0.001	9.45	5	1210	2.7	2	1
9	K	680832	64	65	1.00	1.00	73	4	0.1	0.001	0.0005	0.001	9.72	5	580	3	2	1.8
9	K	680833	65	66	1.00	0.89	84	1	0.1	0.001	0.0005	0.001	9.25	5	460	3	2	1.89
9	K	680834	66	67	1.00	1.13	139	1	0.1	0.001	0.0005	0.001	9.15	5	530	3	2	1.76
9	K	680835	67	68	1.00	1.02	70	4	0.1	0.001	0.0005	0.001	9.63	5	1300	2.5	2	1.72
9	K	680836	68	69	1.00	0.99	82	2	0.1	0.001	0.0005	0.001	9.69	5	1280	2.9	2	1.66
9	K	680837	69	70	1.00	1.08	115	1	0.1	0.001	0.0005	0.001	10.2	5	1340	3.3	2	1.95
9	K	680838	70	71	1.00	1.13	85	1	0.1	0.001	0.0005	0.001	10.95	5	850	3.5	2	1.64
9	K	680839	71	72	1.00	1.08	112	1	0.1	0.001	0.0005	0.001	10.2	5	660	3.3	2	1.17
9	K	680840	72	73	1.00	1.06	130	1	0.1	0.001	0.0005	0.001	10.2	5	770	3.1	2	1.79
9	K	680841	73	74	1.00	1.06	62	5	0.1	0.001	0.0005	0.001	10.15	5	680	3	2	1.56
9	K	680842	74	75	1.00	1.16	186	6	0.1	0.001	0.0005	0.001	10.7	5	500	3.7	2	2.09
9	K	680843	75	76	1.00	1.17	100	5	0.1	0.001	0.0005	0.001	10.25	5	580	3.6	2	1.46
9	L	680844	76	76.75	0.75	0.79	54	1	0.1	0.001	0.0005	0.001	10.95	5	790	3.6	2	2.93
9	L	680845	76.75	77.6	0.85	1.02	36	1	0.1	0.001	0.0005	0.001	9.09	5	480	1.7	2	5.26
9	L	680846	77.6	78.6	1.00	0.53	79	1	0.1	0.001	0.0005	0.001	8.41	5	570	1.5	2	6.59
9	L	680847	78.6	79.3	0.70	0.73	98	6	0.1	0.001	0.0005	0.001	8.11	5	500	1.3	2	7.26
9	L	680848	79.3	80	0.70	0.67	82	18	0.1	0.001	0.0005	0.001	7.52	5	470	1.2	2	7.02
9	L	680849	80	81	1.00	1.05	98	21	0.1	0.001	0.0005	0.001	7.56	5	520	1.1	2	7.23
10	A	680850	0	1	1.00	1.00	3270	1140	6.3	0.035	0.0444	0.14	2.09	5	10	0.5	3	5.43
10	A	680851	1	2	1.00	1.00	2460	1250	4.9	0.033	0.0668	0.168	2.66	5	10	0.5	2	2.8
10	A	680852	2	3	1.00	1.02	286	750	0.1	0.004	0.0131	0.042	2.73	5	10	0.5	2	2.75
10	A	680853	3	4	1.00	1.01	635	809	0.8	0.007	0.0148	0.104	3.23	5	10	0.5	3	3.4
10	A	680854	4	5	1.00	1.02	100	612	0.1	0.002	0.0051	0.01	3.34	5	10	0.5	2	3.91

0.5	49	6	11.75	0.93	4.89	1505	1	1.41	3480	4	0.39	5	1040	0.87	411	10	112
0.5	48	5	10.6	1.41	4.78	1265	1	1.75	3030	3	0.41	5	760	0.87	399	10	105
0.5	41	2	8.9	1.42	4.03	1180	1	2.01	2500	7	0.27	5	793	0.77	349	10	101
0.5	39	5	8.36	1.31	3.04	1090	1	2.02	3050	7	0.42	5	795	0.67	312	10	104
0.5	30	9	8.57	1.47	3.04	1235	1	2.73	1910	8	0.23	5	885	0.66	291	10	109
0.5	43	6	10.8	1.74	3.91	1435	1	1.67	2380	6	0.31	5	709	0.81	381	10	115
0.5	27	4	7.97	1.89	2.7	1355	1	2.47	2420	10	0.24	5	850	0.6	255	10	107
0.5	39	7	9.22	2.09	3.57	1340	1	1.99	2080	5	0.41	5	780	0.73	339	10	111
0.5	45	5	10.6	1.75	4.31	1465	1	1.46	3340	3	0.56	5	724	0.84	392	10	115
0.5	42	2	10.75	2.75	3.62	1725	1	0.98	5160	7	0.39	5	674	0.79	364	10	136
0.5	1	4	0.96	0.8	0.2	146	1	4.66	120	9	0.13	5	902	0.11	19	10	13
0.5	2	5	1.14	0.69	0.2	149	1	4.42	110	10	0.11	5	1060	0.11	19	10	16
0.5	2	3	1	0.65	0.17	132	1	4.87	100	12	0.19	5	1170	0.11	19	10	14
0.5	1	5	1.09	0.82	0.16	137	1	4.26	100	10	0.15	5	1010	0.1	19	10	11
0.5	1	4	0.98	0.74	0.16	124	1	4.24	100	9	0.15	5	1050	0.1	17	10	11
0.5	1	5	0.88	1.41	0.17	155	1	3.85	100	10	0.07	5	981	0.1	18	10	11
0.5	2	5	0.86	1.82	0.16	129	1	3.8	100	9	0.06	5	1030	0.11	18	10	10
0.5	1	5	1.03	1.75	0.14	129	1	3.87	110	12	0.15	5	1070	0.1	16	10	11
0.5	1	4	0.83	1.59	0.17	137	1	4.07	110	10	0.06	5	918	0.11	18	10	10
0.5	3	31	2.16	1.72	0.61	361	1	3.87	370	14	0.11	5	1030	0.16	37	10	21
0.5	2	16	1.6	1.8	0.46	241	1	4.42	270	8	0.08	5	716	0.13	27	10	20
0.5	1	18	1.39	1.53	0.35	231	1	3.51	170	11	0.03	5	838	0.11	27	10	24
0.5	1	11	1.32	2.21	0.34	213	1	4.24	220	14	0.05	5	1180	0.11	23	10	23
0.5	1	11	1.51	1.3	0.38	226	1	4.95	250	11	0.05	5	1210	0.12	26	10	23
0.5	3	25	2.34	1.61	0.54	263	1	4.96	360	10	0.07	5	936	0.16	39	10	22
0.5	4	44	2.81	1.21	0.92	479	1	4.6	510	8	0.09	5	1120	0.18	57	10	31
0.5	2	4	1.1	1.6	0.23	130	1	4.71	140	8	0.09	5	826	0.1	22	10	9
0.5	2	10	1.75	0.9	0.33	195	1	4.81	250	9	0.33	5	1150	0.13	24	10	15
0.5	1	4	1.27	0.79	0.15	133	1	4.75	110	7	0.33	5	1175	0.11	17	10	9
0.5	2	6	1.66	0.82	0.19	168	1	4.78	120	11	0.61	5	1210	0.11	20	10	11
0.5	1	35	2.78	1.52	0.76	426	1	4.18	520	12	0.27	5	902	0.2	52	10	42
0.5	1	11	1.73	1.43	0.29	246	1	4.52	210	11	0.29	5	1000	0.13	33	10	17
0.5	1	2	1.29	1.51	0.17	177	1	5.8	130	8	0.41	5	1015	0.12	22	10	12
0.5	1	2	1.32	1.82	0.19	193	1	6	130	7	0.29	5	609	0.13	28	10	17
0.5	1	2	1.27	1.65	0.18	198	1	6	140	5	0.37	5	452	0.12	25	10	9
0.5	1	5	1.3	1.74	0.18	182	1	5.8	140	10	0.33	5	614	0.13	27	10	7
0.5	1	31	1.85	1.58	0.44	300	1	5.6	310	6	0.08	5	654	0.13	45	10	20
0.5	2	7	1.81	1.27	0.31	242	2	5.96	190	17	0.52	5	1010	0.12	30	10	22
0.5	1	9	1.46	1.43	0.34	219	1	6.1	180	10	0.17	5	880	0.12	30	10	26
0.5	1	4	1.76	1.89	0.35	304	1	5.11	640	8	0.16	5	1170	0.16	41	10	18
0.5	11	3	6.82	1.1	1.76	1170	1	2.3	3930	9	0.37	5	1170	0.48	164	10	55
0.5	36	2	9.46	1.34	3.74	1475	1	1.71	3590	5	0.35	6	933	0.75	354	10	86
0.5	46	4	10.65	1.28	4.7	1510	1	1.65	3790	2	0.42	6	864	0.83	385	10	102
0.5	48	8	10.8	1.29	5.39	1595	1	1.41	2490	2	0.29	10	612	0.85	395	10	104
0.5	53	17	10.5	1.39	5.75	1610	1	1.3	1840	5	0.28	5	570	0.84	374	10	102
0.5	170	1585	18	0.02	8.94	2190	1	0.07	390	3	0.93	5	8	0.52	417	10	105
0.5	147	1920	18.5	0.03	9.93	2460	1	0.08	330	4	0.74	5	3	0.5	365	10	113
0.5	104	1775	17.45	0.04	10.15	2750	1	0.12	180	2	0.18	7	3	0.61	385	10	126
0.5	116	1550	16.9	0.04	9.91	2450	1	0.14	200	2	0.33	5	4	0.64	393	10	121
0.5	95	1570	15.3	0.04	9.83	2470	1	0.16	240	3	0.14	5	5	0.57	330	10	125

10	A	680855	5	6	1.00	0.99	390	402	0.6	0.005	0.033	0.082	3.94	5	20	0.5	2	5.98
10	A	680856	6	7	1.00	0.99	297	148	0.1	0.002	0.0321	0.026	7.22	5	50	0.5	2	4.3
10	A	680857	7	8	1.00	0.89	732	473	1.6	0.004	0.0109	0.075	6.98	5	60	0.5	2	5.69
10	A	680858	8	8.8	0.80	0.86	383	209	0.7	0.006	0.0118	0.019	7.06	5	60	0.5	2	6.45
10	A	680859	8.8	9.5	0.70	0.70	517	257	0.1	0.014	0.0433	0.062	7.19	5	70	0.5	2	6.27
10	A	680860	9.5	10.3	0.80	0.74	302	286	0.1	0.004	0.0377	0.042	7.77	5	80	0.6	2	5.73
10	A	680861	10.3	11	0.70	0.72	299	171	0.1	0.008	0.0979	0.033	9.37	5	90	0.7	3	6.46
10	A	680862	11	11.6	0.60	0.64	907	216	0.1	0.007	0.166	0.042	10.05	13	120	0.9	2	6.39
10	A-2	680863	2	3	1.00	1.17	639	783	0.1	0.006	0.0095	0.03	2.96	15	10	0.5	2	2.96
10	A-2	680864	3	4	1.00	1.10	487	638	0.6	0.019	0.0066	0.046	3.07	11	20	0.5	2	5.28
10	A-2	680865	4	5	1.00	1.05	2020	909	0.7	0.011	0.0422	0.035	3.48	6	10	0.5	2	3.48
10	A-2	680866	5	6	1.00	0.95	222	673	0.1	0.003	0.0037	0.009	3.45	5	10	0.5	2	4.29
10	A-2	680867	6	7	1.00	1.15	1100	817	0.6	0.01	0.025	0.041	2.88	6	10	0.5	7	3.31
10	A-2	680868	7	7.7	0.70	0.65	345	160	0.1	0.003	0.0063	0.026	6.65	6	70	0.5	2	5.7
10	A-2	680869	7.7	8.5	0.80	0.92	388	248	0.1	0.003	0.0054	0.01	6.19	14	40	0.5	3	6.51
10	A-2	680870	8.5	9.2	0.70	0.65	851	373	0.1	0.012	0.0274	0.077	6.7	5	70	0.5	2	6.27
10	A-2	680871	9.2	9.9	0.70	0.70	341	109	0.1	0.01	0.107	0.072	10.05	5	170	0.5	2	6.24
10	B	680872	15	15.3	0.30	0.23	130	35	0.1	0.001	0.001	0.001	7.14	5	40	0.7	2	5.6
10	B	680873	15.3	16	0.70	0.73	633	204	0.1	0.006	0.0024	0.05	10.7	5	120	0.5	2	6.66
10	B	680874	16	16.7	0.70	0.79	1240	385	0.1	0.007	0.014	0.166	10.8	5	110	0.5	2	6.17
10	B	680875	16.7	17.5	0.80	0.33	492	410	0.1	0.002	0.0029	0.033	10.75	6	100	0.5	2	6.97
10	B	680876	17.5	18.3	0.80	1.04	620	118	0.1	0.006	0.0388	0.11	11	9	140	0.5	2	5.68
10	B	680877	18.3	19	0.70	0.66	514	260	0.1	0.002	0.0381	0.041	10.4	12	90	0.5	2	6.74
10	B	680878	19	20	1.00	1.19	655	280	0.1	0.016	0.0256	0.117	10.35	18	110	0.5	2	6.01
10	B	680879	20	21	1.00	1.16	1590	201	0.1	0.025	0.0259	0.175	10.2	5	120	0.5	2	6.24
10	B	680880	21	22	1.00	1.00	484	578	0.5	0.007	0.0391	0.104	10.6	5	110	0.5	2	6.92
10	B	680881	22	23	1.00	1.04	553	455	0.1	0.005	0.0356	0.095	10.55	5	100	0.5	2	6.7
10	B	680882	23	24	1.00	0.94	494	440	0.1	0.003	0.0444	0.093	10.05	6	70	0.5	2	7.12
10	B	680883	24	25	1.00	1.32	491	371	0.1	0.002	0.0489	0.039	10.15	10	100	0.5	2	7.25
10	B	680884	25	26	1.00	1.20	461	318	0.1	0.003	0.0513	0.036	10	5	120	0.5	2	6.86
10	B	680885	26	26.6	0.60	0.59	377	357	0.1	0.004	0.0585	0.065	10.1	9	110	0.5	2	7.11
10	B	680886	26.6	27	0.40	0.38	234	143	0.1	0.003	0.0481	0.033	9.94	5	150	0.5	4	6.02
10	B	680887	27	28	1.00	0.89	226	192	0.1	0.001	0.0521	0.014	9.77	8	170	0.5	2	6.63
10	B	680888	28	29	1.00	1.10	187	218	0.1	0.001	0.0452	0.006	9.53	8	110	0.5	2	6.05
10	B	680889	29	30	1.00	0.95	345	302	0.1	0.006	0.055	0.124	10.1	7	80	0.5	2	6.64
10	B	680890	30	30.9	0.90	0.84	197	225	0.1	0.002	0.0474	0.026	9.89	5	100	0.5	2	6.33
10	C	680891	15.3	16.3	1.00	0.99	167	85	0.1	0.004	0.0051	0.02	10.8	8	80	0.5	2	7.9
10	C	680892	16.3	17	0.70	0.75	190	139	0.1	0.001	0.0023	0.012	9.91	9	90	0.5	2	7.01
10	C	680893	17	17.6	0.60	0.65	1420	351	0.1	0.006	0.0053	0.092	10.65	10	100	0.5	2	6.34
10	C	680894	17.6	18.7	1.10	1.02	197	171	0.1	0.002	0.0213	0.013	9.03	5	110	0.5	2	5.53
10	C	680895	18.7	19.4	0.70	0.97	560	373	0.1	0.005	0.064	0.092	9.94	7	90	0.5	4	6.76
10	C	680896	19.4	20.1	0.70	0.94	1270	617	0.1	0.019	0.0255	0.259	9.72	12	90	0.5	2	6.47
10	C	680897	20.1	21	0.90	0.90	435	342	0.1	0.008	0.0283	0.196	10.45	5	110	0.5	2	6.9
10	C	680898	21	22	1.00	1.01	480	519	0.1	0.022	0.034	0.385	8.6	5	100	0.5	2	5.67
10	C	680899	22	23	1.00	0.97	891	374	0.1	0.029	0.04	0.168	8.62	5	100	0.5	2	6.29
10	C	680900	23	24	1.00	1.30	505	288	0.1	0.014	0.038	0.104	8.26	5	70	0.5	2	5.95
10	C	680901	24	25	1.00	1.22	305	332	0.1	0.006	0.0448	0.061	8.72	5	90	0.5	2	6.49
10	C	680902	25	26	1.00	1.07	237	223	0.1	0.002	0.0491	0.033	8.62	5	80	0.5	2	6.96
10	C	680903	26	27	1.00	1.02	536	449	0.1	0.002	0.0433	0.03	9.09	5	70	0.5	2	6.68
10	C	680904	27	28	1.00	1.11	224	283	0.1	0.002	0.0547	0.039	9.05	5	80	0.5	2	6.72

0.5	86	644	14.8	0.14	7.78	2030	2	0.49	870	3	0.11	8	15	0.66	615	10	108
0.5	64	141	12.2	0.35	4.54	1885	3	2.37	50	7	0.2	5	128	1.18	316	10	90
0.5	135	162	12.35	0.46	4.35	1600	1	1.86	1130	55	1.41	10	110	0.3	260	10	213
0.5	64	595	10.6	0.44	5.01	1830	1	1.62	260	7	0.16	7	112	0.45	293	10	101
0.5	68	478	11.15	0.47	4.58	1670	1	1.55	230	7	0.3	5	105	0.48	335	10	94
0.5	80	87	11.8	0.54	3.99	1685	5	2.05	1090	18	0.57	5	127	0.88	339	10	81
0.5	60	63	9.27	0.8	2.94	1230	4	2.43	470	2	0.36	5	194	0.44	228	10	68
0.5	72	45	9.3	0.79	2.64	1160	3	2.44	330	5	0.6	6	215	0.34	242	10	72
0.5	108	1660	17.35	0.05	9.93	2500	1	0.15	380	16	0.18	5	6	0.58	348	10	130
0.5	105	926	16.45	0.13	8.54	2320	1	0.3	3540	2	0.17	8	17	0.43	370	10	127
0.5	127	1520	17.6	0.03	9.78	2310	1	0.12	310	2	0.45	5	5	0.53	365	10	151
0.5	101	1420	16	0.05	9.43	2350	1	0.18	320	9	0.05	6	7	0.55	321	10	146
0.5	130	1690	17.75	0.06	9.07	2900	1	0.19	410	5	0.5	5	6	0.76	354	10	147
0.5	64	388	13.1	0.38	4.37	1715	1	1.84	220	5	0.1	5	137	0.61	350	10	91
0.5	75	744	11.95	0.22	5.66	2050	1	1.31	230	3	0.08	5	82	0.49	329	10	112
0.5	79	709	11.65	0.42	4.91	1880	1	1.5	430	3	0.33	5	109	0.57	349	10	121
0.5	42	94	8.15	0.98	2.34	1205	6	2.7	200	2	0.11	5	280	0.45	187	10	82
0.5	39	5	12.15	0.34	1.61	1640	1	1.59	3210	4	0.21	5	71	1.31	43	10	82
0.5	69	28	9.89	0.66	2.8	1465	2	2.35	410	6	0.52	5	191	1.06	328	10	80
0.5	123	37	10.2	0.61	2.25	1345	2	2.41	1550	7	1.1	5	208	1.27	320	10	67
0.5	96	74	10.2	0.58	3.11	1245	1	2.28	1170	2	0.93	5	189	0.67	409	10	83
0.5	43	22	7.82	0.53	1.24	854	1	3.21	3320	2	0.34	5	265	0.93	197	10	43
0.5	76	41	10.2	0.44	2.58	1245	1	2.42	1250	10	0.51	5	174	0.96	527	10	73
0.5	76	21	9.39	0.52	2.06	872	4	2.58	2170	8	0.72	5	208	0.3	294	10	55
0.5	69	20	9.09	0.57	2.18	891	1	2.61	2710	4	0.67	5	218	0.18	290	10	60
0.5	117	31	10.3	0.5	2.27	1295	1	2.45	4060	5	1.32	5	183	1.33	472	10	65
0.5	101	51	10.6	0.49	2.58	1435	4	2.4	770	7	1.02	6	187	1.32	418	10	68
0.5	85	48	10.4	0.34	3.24	1425	1	2.12	610	6	0.75	6	145	0.62	297	10	66
0.5	73	60	10.2	0.49	3.33	1475	1	2.23	730	13	0.5	5	179	0.78	403	10	73
0.5	65	64	10.05	0.62	3.18	1440	2	2.19	540	6	0.38	5	189	0.75	299	10	70
0.5	69	58	9.92	0.52	3.18	1390	1	2.09	1590	10	0.35	5	182	0.7	345	10	66
0.5	40	95	11.15	0.63	3.13	1565	1	2.02	830	2	0.03	5	147	0.69	261	10	71
0.5	53	73	9.63	0.68	3.4	1575	1	1.99	450	6	0.13	5	221	0.68	246	10	67
0.5	55	84	9.46	0.46	3.55	1410	2	1.9	250	2	0.17	5	183	0.12	195	10	61
0.5	59	42	8.99	0.41	3.14	1335	1	2.21	1100	2	0.35	5	192	0.11	247	10	50
0.5	58	117	9.05	0.55	3.34	1345	1	1.96	740	3	0.25	5	171	0.07	162	10	53
0.5	48	119	8.77	0.35	2.67	1270	1	2.17	350	9	0.12	5	184	0.82	458	10	58
0.5	59	100	9.28	0.37	2.54	1345	1	2.2	810	2	0.22	5	152	0.95	436	10	70
0.5	131	38	10.35	0.54	1.83	1285	15	2.45	2370	7	1.29	5	193	1.17	257	10	60
0.5	65	190	10.6	0.56	3.53	1305	1	1.88	330	2	0.13	5	102	0.68	302	10	90
0.5	91	33	9.17	0.55	2.26	942	2	2.33	1030	2	0.99	5	206	0.22	300	10	64
0.5	128	31	9.92	0.53	2.82	982	1	2.13	1210	6	1.67	5	188	0.07	303	10	70
0.5	82	31	9.52	0.8	2.86	1045	1	2.23	1320	5	0.78	5	188	0.18	331	10	65
0.5	105	32	9.18	0.55	2.4	1060	1	2.07	1310	2	1.44	5	163	0.72	331	10	52
0.5	82	38	10.25	0.63	2.44	1335	4	1.91	1710	2	0.96	5	159	1.17	503	10	57
0.5	60	45	10.8	0.42	2.81	1410	55	2.12	1480	2	0.48	5	126	0.85	340	10	55
0.5	61	57	9.05	0.58	3.22	1215	1	2.14	940	2	0.49	5	148	0.34	300	10	55
0.5	46	58	8.78	0.33	3.43	1195	1	1.85	730	3	0.3	5	132	0.12	312	10	52
0.5	83	64	9.35	0.4	3.37	1355	1	2	770	2	0.88	5	144	0.56	287	10	50
0.5	56	53	9.18	0.44	3.37	1350	1	1.94	870	2	0.32	5	139	0.34	232	10	48

10	C	680905	28	29	1.00	1.09	315	301	0.1	0.005	0.0501	0.064	8.89	5	60	0.5	2	5.94
10	C	680906	29	30	1.00	0.95	277	297	0.1	0.004	0.0516	0.073	9.03	5	70	0.5	2	6.41
10	C	680907	30	31	1.00	0.85	192	221	0.1	0.003	0.0495	0.026	9.32	11	170	0.5	2	5.82
10	C	680908	31	31.6	0.60	0.64	89	126	0.1	0.002	0.0391	0.033	8.05	5	90	0.5	2	5.88
10	C	680909	31.6	32	0.40	0.38	73	109	0.1	0.007	0.0352	0.138	8.9	5	140	0.5	2	6.55
10	C	680910	32	33	1.00	1.02	81	102	0.1	0.001	0.0224	0.038	9.04	5	120	0.5	2	6.7
10	C	680911	33	34	1.00	0.45	313	153	0.1	0.003	0.0554	0.132	9.49	5	190	0.5	2	6.35
10	C	680912	34	35	1.00	0.79	112	93	0.1	0.009	0.0695	0.149	9.41	5	160	0.5	2	5.17
10	C	680913	35	35.5	0.50	0.56	136	84	0.1	0.005	0.0444	0.074	9.69	5	120	0.5	2	6
10	C	680914	35.5	36.3	0.80	0.82	97	110	0.1	0.003	0.0456	0.086	9.48	5	90	0.5	2	6.16
10	C	680915	36.3	37	0.70	0.69	42	66	0.1	0.001	0.0193	0.054	8.92	9	80	0.5	2	5.35
10	C	680916	37	37.8	0.80	0.84	67	130	0.1	0.002	0.0281	0.082	8	5	100	0.5	2	6.17
10	C	680917	37.8	38.6	0.80	0.79	527	265	0.1	0.008	0.0256	0.052	7.95	9	60	0.5	2	6.73
10	C	680918	38.6	39.4	0.80	0.61	1395	313	0.1	0.027	0.0639	0.156	8.24	7	60	0.5	2	6.69
10	D	680919	29.5	30.3	0.80	0.71	341	271	0.1	0.003	0.0532	0.099	9.05	5	90	0.5	2	5.93
10	D	680920	30.3	31	0.70	0.77	158	137	0.1	0.003	0.0511	0.013	8.77	5	90	0.5	2	5.96
10	D	680921	31	31.7	0.70	0.84	159	121	0.1	0.003	0.0282	0.033	8.87	5	90	0.5	2	6.22
10	D	680922	31.7	32.5	0.80	0.56	117	80	0.1	0.005	0.0323	0.074	9.85	6	80	0.5	2	7.19
10	D	680923	32.5	33.3	0.80	1.12	2380	255	0.1	0.018	0.0335	0.059	9.7	5	120	0.5	2	6.16
10	D	680924	33.3	34.2	0.90	1.01	135	85	0.1	0.005	0.0509	0.046	8.64	5	110	0.5	2	5.57
10	D	680925	34.2	34.8	0.60	0.60	126	92	0.1	0.01	0.0709	0.106	8.82	5	90	0.7	2	7.29
10	D	680926	34.8	35.4	0.60	0.66	795	70	0.1	0.015	0.0396	0.078	9.46	5	120	0.6	2	6.27
10	D	680927	35.4	36.3	0.90	0.95	2300	86	1	0.025	0.0358	0.076	9.26	5	130	0.5	2	5.16
10	D	680928	36.3	37	0.70	1.10	1225	94	0.1	0.01	0.0378	0.077	9.79	14	100	0.5	2	5.49
10	D	680929	37	37.8	0.80	0.87	2720	290	0.9	0.038	0.16	0.32	7.3	20	100	0.5	2	5.89
10	D	680930	37.8	38.6	0.80	0.84	316	181	0.1	0.006	0.022	0.041	7.82	11	60	0.5	2	6.44
10	D	680931	38.6	39.4	0.80	0.52	206	146	0.1	0.007	0.0065	0.016	7.75	6	60	0.5	2	6.75
10	E	680932	35	35.3	0.30	0.30	784	80	0.1	0.019	0.041	0.134	9.05	5	80	0.5	2	5.78
10	E	680933	35.3	36	0.70	0.69	355	105	0.1	0.009	0.0638	0.26	8.33	5	100	0.5	2	5.28
10	E	680934	36	37	1.00	1.20	5230	140	1.4	0.12	0.284	1.54	6.83	5	60	0.5	2	6.6
10	E	680935	37	38	1.00	1.04	428	260	0.1	0.011	0.135	0.224	7.64	5	90	0.5	2	6.6
10	E	680936	38	39	1.00	1.10	1005	303	0.1	0.024	0.12	0.245	7.78	5	60	0.5	2	6.95
10	E	680937	39	40	1.00	1.01	125	117	0.1	0.003	0.0159	0.026	7.75	5	80	0.5	2	6.34
10	E	680938	40	41	1.00	1.04	273	153	0.1	0.005	0.0646	0.106	7.82	5	70	0.5	2	6.63
10	E	680939	41	42	1.00	1.02	105	113	0.1	0.002	0.005	0.005	7.99	13	50	0.5	2	7.97
10	E	680940	42	43	1.00	0.78	114	101	0.1	0.002	0.0035	0.004	8.48	5	230	0.5	2	7.11
10	E	680941	43	44	1.00	1.07	109	129	0.1	0.003	0.0056	0.005	8.16	5	60	0.5	2	8.1
10	E	680942	44	45	1.00	1.20	119	152	0.1	0.003	0.0069	0.007	8.37	5	70	0.5	2	8.1
10	E	680943	47.5	48.3	0.80	0.58	29	84	0.1	0.001	0.0041	0.003	7.78	5	120	0.5	2	6.77
10	E	680944	48.3	49	0.70	0.79	5	67	0.1	0.001	0.0092	0.009	8.16	14	70	0.5	2	6.77
10	E	680945	49	50	1.00	0.99	18	85	0.1	0.001	0.0158	0.017	8.05	5	70	0.5	2	6.57
10	E	680946	50	51	1.00	0.91	12	69	0.1	0.001	0.024	0.008	8.41	5	60	0.5	2	7.32
10	E	680947	51	52	1.00	1.06	48	96	0.1	0.001	0.0168	0.012	8.35	5	40	0.5	2	7.04
10	E	680948	52	53	1.00	1.07	27	92	0.1	0.001	0.0544	0.014	7.84	5	30	0.5	2	7.07
10	E	680949	53	54	1.00	0.98	24	63	0.1	0.001	0.0472	0.004	7.06	9	30	0.5	2	6.92
10	E	680950	54	55	1.00	1.04	113	63	0.1	0.008	0.0032	0.003	7.97	5	60	0.6	2	6.93
10	E	680951	55	56	1.00	0.95	93	54	0.1	0.002	0.0029	0.004	7.42	5	30	0.5	2	6.75
10	E	680952	56	57	1.00	1.07	70	58	0.1	0.001	0.0029	0.004	7.69	5	40	0.5	2	7.42
10	E	680953	57	58	1.00	1.04	28	46	0.1	0.001	0.0028	0.002	7.55	5	30	0.5	2	7.03
10	E	680954	58	59	1.00	1.12	27	42	0.1	0.001	0.0027	0.002	7.35	10	30	0.5	2	6.88

0.5	60	63	9.82	0.36	3.6	1290	3	2.07	710	2	0.49	5	135	0.06	242	10	53
0.5	64	70	9.74	0.43	3.49	1405	1	1.94	670	5	0.43	5	160	0.13	192	10	59
0.5	71	47	8.45	0.89	2.96	1260	1	2.29	400	18	0.49	5	202	0.14	341	10	79
0.5	46	83	9.34	0.58	3.03	1230	1	1.73	350	3	0.19	5	136	0.08	327	10	55
0.5	36	64	7.92	0.78	2.9	1240	1	1.82	140	5	0.1	5	131	0.18	309	10	61
0.5	40	90	8.48	0.7	2.96	1270	1	1.74	350	2	0.06	5	133	0.08	133	10	53
0.5	57	52	7.61	1	2.36	1085	1	2.04	200	6	0.4	5	179	0.12	143	10	56
0.5	41	44	7.43	0.86	2.42	1020	1	2.47	170	7	0.07	5	192	0.2	216	10	60
0.5	36	48	6.94	0.71	2.21	905	1	2.47	240	2	0.05	5	206	0.13	253	10	52
0.5	42	60	8.81	0.48	3.19	1270	1	2.1	270	2	0.06	5	159	0.11	247	10	60
0.5	36	108	8.75	0.37	3.4	1335	1	2.1	40	2	0.02	5	140	0.37	236	10	62
0.5	45	87	9.96	0.47	4.58	1600	1	1.44	60	2	0.05	5	107	0.32	244	10	70
0.5	64	94	10.05	0.3	5.03	1635	1	1.43	160	2	0.19	5	113	0.27	207	10	74
0.5	72	103	10.75	0.33	5.01	1695	1	1.58	120	2	0.28	5	120	0.25	225	10	77
0.5	60	83	9.49	0.45	3.44	1335	4	1.92	660	2	0.54	5	171	0.11	206	10	49
0.5	43	75	9	0.39	3.07	1255	1	1.93	230	2	0.06	5	130	0.12	160	10	54
0.5	43	97	9.77	0.43	2.91	1270	2	1.68	340	2	0.08	5	95	0.1	232	10	55
0.5	33	62	7.02	0.35	2.38	1030	1	2.28	310	2	0.07	5	146	0.06	126	10	44
0.5	96	39	8.22	0.52	2.04	849	1	2.28	580	2	1.38	5	146	0.2	186	10	48
0.5	38	86	8.38	0.51	2.96	1085	1	1.83	40	2	0.09	5	119	0.18	155	10	65
0.5	46	100	9.8	0.46	3.64	1395	1	1.31	70	2	0.09	5	96	0.4	214	10	79
0.5	35	75	7.41	0.46	2.18	994	1	2.23	50	2	0.06	5	180	0.2	150	10	68
0.5	55	18	11.3	0.43	3.03	1325	13	1.78	70	2	0.35	5	140	0.12	142	10	103
0.5	52	23	10.5	0.36	3.02	1275	7	2.05	170	2	0.07	5	160	0.1	168	10	86
0.7	79	75	11.8	0.47	4.6	1560	86	1.15	430	2	0.47	5	72	0.24	201	10	100
0.5	60	100	10.1	0.29	4.91	1685	1	1.43	140	2	0.06	5	111	0.27	216	10	80
0.5	55	100	10.3	0.3	4.99	1705	1	1.53	100	2	0.04	5	113	0.24	222	10	80
0.5	38	50	8.88	0.37	3.1	1205	1	2.33	30	2	0.12	5	165	0.06	273	10	74
0.5	52	66	10.85	0.41	3.43	1355	2	1.59	70	2	0.19	5	104	0.23	476	10	78
0.5	87	90	13.15	0.31	3.83	1635	1055	1.04	2480	2	1.01	5	62	0.31	522	10	104
0.5	68	116	11.15	0.38	5.08	1740	5	1.4	90	2	0.13	5	112	0.24	248	10	70
0.5	73	92	11.35	0.33	4.72	1785	1	1.41	90	2	0.34	5	114	0.21	255	10	69
0.5	53	94	10.45	0.36	4.6	1730	1	1.49	60	2	0.02	5	115	0.26	311	10	72
0.5	56	96	10.35	0.3	4.36	1635	1	1.5	100	2	0.07	5	116	0.33	345	10	70
0.5	47	234	8.83	0.24	4.65	1530	1	1.58	280	2	0.07	5	125	0.55	280	10	63
0.5	40	185	7.86	0.5	4.03	1285	1	2.03	600	2	0.07	5	395	0.51	222	10	62
0.5	45	231	8.23	0.26	4.91	1480	1	1.47	250	2	0.08	5	124	0.46	253	10	75
0.5	47	301	8.71	0.32	5.15	1515	1	1.46	300	2	0.09	5	109	0.52	264	10	88
0.5	42	206	8.9	0.37	4.58	1645	1	2.21	470	3	0.01	5	189	0.55	261	10	108
0.5	46	102	10.6	0.26	3.71	1950	1	2.3	70	2	0.01	5	170	0.88	377	10	89
0.5	49	82	10.8	0.27	3.4	1970	1	2.43	140	2	0.01	5	153	0.95	422	10	83
0.5	45	81	10.95	0.26	3.04	2020	1	2.52	170	5	0.01	5	186	1.02	443	10	82
0.5	46	90	10.4	0.22	3.05	1925	1	2.79	140	2	0.07	5	188	0.93	429	10	73
0.5	51	87	11.4	0.18	3.25	1995	1	2.45	300	2	0.02	5	149	0.93	510	10	69
0.5	46	75	10.15	0.2	2.75	1800	4	1.98	200	2	0.02	5	148	0.93	416	10	62
0.5	46	79	10.25	0.31	2.88	1820	1	2.41	180	2	0.15	5	206	0.99	363	10	63
0.5	49	71	10.8	0.24	2.79	1830	1	2.12	230	2	0.04	5	181	0.93	384	10	58
0.5	46	74	10.6	0.23	2.82	1760	1	2.21	180	2	0.09	5	155	0.96	394	10	58
0.5	48	71	11.7	0.21	2.88	1845	1	2.04	330	2	0.03	5	129	0.97	404	10	66
0.5	46	67	11.6	0.21	3.45	1855	1	1.86	380	2	0.03	5	122	1	383	10	71

10	E	680955	59	60	1.00	1.11	15	42	0.1	0.001	0.0027	0.003	7.52	5	40	0.5	2	6.76
10	E	680956	60	61	1.00	1.04	36	44	0.1	0.001	0.0032	0.004	7.53	5	50	0.5	2	7.03
10	E	680957	61	62	1.00	1.00	16	56	0.1	0.001	0.003	0.006	7.45	6	40	0.5	2	6.9
10	E	680958	62	62.8	0.80	0.91	16	44	0.1	0.001	0.0025	0.002	7.54	5	50	0.5	2	6.77
10	E	680959	64.8	65.6	0.80	1.06	28	54	0.1	0.001	0.0026	0.002	7.75	5	60	0.5	2	7.16
10	E	680960	65.6	66.4	0.80	0.97	6	48	0.1	0.001	0.0028	0.002	7.18	5	60	0.5	2	6.97
10	E	680961	66.4	67.2	0.80	0.95	14	48	0.1	0.001	0.0025	0.002	7.18	5	50	0.5	2	7.13
10	E	680962	67.2	68	0.80	0.88	4	34	0.1	0.001	0.0022	0.002	7.46	5	50	0.5	2	6.6
10	E	680963	68	68.8	0.80	0.92	32	46	0.1	0.001	0.0024	0.002	6.85	5	130	0.5	2	5.74
10	E	680964	68.8	69.6	0.80	0.84	224	107	0.1	0.001	0.0031	0.012	7.18	5	280	0.5	2	4.29
10	F	680965	72	72.3	0.30	0.43	36	292	0.1	0.001	0.0047	0.006	7.12	5	370	1	2	6.72
10	F	680966	72.3	73	0.70	0.53	109	45	0.1	0.001	0.0025	0.002	7.02	5	170	0.5	2	5.42
10	F	680967	73	73.7	0.70	0.80	174	285	0.1	0.001	0.0047	0.006	7.25	5	270	0.9	2	6.5
10	F	680968	73.7	74.5	0.80	0.93	83	53	0.1	0.001	0.0024	0.002	7.5	12	110	0.5	2	5.93
10	F	680969	74.5	75.3	0.80	0.84	12	51	0.1	0.001	0.0022	0.002	7.31	5	50	0.5	2	5.73
10	F	680970	75.3	76	0.70	0.78	53	55	0.1	0.001	0.0022	0.001	7.61	5	70	0.5	2	5.95
10	F	680971	76	77	1.00	1.03	18	47	0.1	0.005	0.0022	0.002	7.71	5	60	0.5	2	6.45
10	F	680973	77	78	1.00	1.02	49	49	0.1	0.002	0.0024	0.002	7.68	5	90	0.5	2	6.76
10	F	680974	78	79	1.00	0.71	38	53	0.1	0.001	0.0024	0.003	7.01	5	50	0.5	2	6.24
10	F	680975	79	80	1.00	1.03	248	58	0.1	0.004	0.0036	0.017	7.2	5	40	0.5	2	5.96
10	F	680976	80	81	1.00	1.05	51	38	0.1	0.001	0.0019	0.002	6.88	5	50	0.5	2	5.71
10	F	680977	81	82	1.00	1.05	139	90	0.1	0.002	0.0031	0.009	7.76	10	50	0.6	2	6.16
10	F	680978	82	82.8	0.80	0.90	68	69	0.1	0.001	0.0019	0.003	7.46	16	70	0.5	2	6.08
10	F	680979	82.8	83.7	0.90	0.99	90	40	0.1	0.001	0.0022	0.002	7.28	9	80	0.5	2	6.39
10	G	680980	80	80.7	0.70	0.72	133	37	0.1	0.003	0.0024	0.002	7.74	5	80	0.5	2	6.45
10	G	680981	80.7	81.3	0.60	0.62	119	51	0.1	0.009	0.0026	0.003	7.34	5	70	0.5	2	6.62
10	G	680982	81.3	81.7	0.40	0.46	231	256	0.1	0.005	0.0031	0.003	7.47	5	490	1.3	2	6.56
10	G	680983	81.7	82.5	0.80	0.83	85	37	0.1	0.002	0.0022	0.002	7.9	5	80	0.5	2	6.79
10	G	680984	82.5	83.3	0.80	0.79	35	46	0.1	0.001	0.0017	0.001	7.4	7	200	0.6	2	6.05
10	G	680985	83.3	84	0.70	0.71	111	58	0.1	0.002	0.0019	0.002	7.61	5	290	0.9	2	5.87
10	G	680986	84	85	1.00	0.98	98	39	0.1	0.001	0.0013	0.001	7.55	5	190	0.5	2	6.16
10	G	680987	85	86	1.00	1.04	80	46	0.1	0.002	0.0021	0.004	7.36	5	110	0.5	2	6.72
10	G	680988	86	87	1.00	1.14	153	57	0.1	0.005	0.0024	0.006	7.35	11	100	0.5	2	5.88
10	G	680989	87	87.8	0.80	0.87	110	61	0.1	0.002	0.0018	0.015	7.61	5	70	0.6	2	6.35
10	G	680990	87.8	88.6	0.80	0.83	45	59	0.1	0.003	0.007	0.015	7.4	5	70	0.6	2	6.2
10	G	680991	88.6	89.4	0.80	0.83	37	41	0.1	0.001	0.0023	0.002	7.68	5	90	0.5	2	6.75
10	H	680992	87	88	1.00	1.01	125	65	0.1	0.003	0.0086	0.014	7.5	5	70	0.5	2	6.09
10	H	680993	88	89	1.00	1.03	59	57	0.1	0.001	0.0019	0.001	7.9	8	240	0.8	2	6.46
10	H	680994	89	90	1.00	1.05	87	45	0.1	0.002	0.0017	0.001	7.68	5	80	0.5	2	6.35
10	H	680995	90	91	1.00	1.00	36	58	0.1	0.001	0.0018	0.002	7.56	5	60	0.6	2	6.39
10	H	680996	91	92	1.00	0.99	35	46	0.1	0.001	0.0013	0.001	7.38	5	70	0.5	2	6.67
10	H	680997	92	93	1.00	1.10	13	47	0.1	0.001	0.0022	0.001	7.52	13	80	0.5	2	6.8
10	H	680998	93	94	1.00	1.01	11	47	0.1	0.001	0.0014	0.002	7.43	5	50	0.5	2	5.97
10	H	680999	94	95	1.00	1.05	17	48	0.1	0.001	0.002	0.002	7.53	5	50	0.6	2	5.93
10	H	681000	95	96	1.00	1.05	15	45	0.1	0.001	0.0015	0.004	7.35	5	50	0.6	2	5.93
10	H	681001	96	97	1.00	0.70	7	72	0.1	0.001	0.0012	0.001	7.58	5	50	0.6	2	6.31
10	H	681002	97	98	1.00	1.00	12	60	0.1	0.001	0.0015	0.001	7.42	5	50	0.6	2	6.29
10	H	681003	98	99	1.00	1.05	14	59	0.1	0.001	0.0014	0.002	6.91	10	60	0.5	2	5.81
10	H	681004	99	100	1.00	1.00	9	54	0.1	0.001	0.0015	0.001	7.82	5	50	0.6	2	6.25
10	H	681005	100	100.5	0.50	0.48	13	41	0.1	0.001	0.0014	0.001	7.77	5	60	0.6	2	6.1

0.5	48	66	11.9	0.22	3.43	2060	1	1.79	430	2	0.01	5	137	1.07	374	10	71
0.5	51	63	12.05	0.26	3.56	2040	1	1.7	380	2	0.04	5	131	1.07	399	10	73
0.5	50	75	11.35	0.21	3.49	1880	1	1.79	300	2	0.05	5	143	0.98	379	10	64
0.5	55	72	11.85	0.24	2.85	1720	1	1.83	340	2	0.01	5	137	1.04	393	10	61
0.5	52	69	12	0.26	2.89	1890	1	2.12	720	2	0.04	5	166	1.1	407	10	65
0.5	45	61	11.7	0.3	3.05	1920	1	1.95	370	2	0.01	5	148	1.03	375	10	63
0.5	52	61	11.9	0.24	2.95	1945	1	1.98	430	2	0.01	5	144	1.03	381	10	67
0.5	48	63	11.95	0.27	2.82	2030	1	2.27	550	2	0.01	5	180	1.11	400	10	66
0.5	45	85	10.55	0.45	2.4	1840	1	2.14	530	2	0.04	5	235	0.97	371	10	61
0.5	82	79	11.6	0.63	2.35	1545	2	2.19	540	2	0.47	5	241	1.01	364	10	59
0.5	45	729	7.18	1.05	6.92	1225	1	1.65	1390	5	0.01	5	499	0.34	136	10	82
0.5	45	87	10.2	0.48	2.46	1580	1	2.65	590	2	0.12	5	470	1.02	371	10	57
0.5	54	617	8.97	0.73	6.7	1560	1	1.72	1260	2	0.31	5	375	0.55	211	10	80
0.5	45	69	11.1	0.33	2.7	1740	5	2.69	600	2	0.09	5	254	1.07	391	10	53
0.5	46	64	11.5	0.24	2.89	2050	1	2.7	560	2	0.01	5	165	1.09	393	10	56
0.5	42	58	11.5	0.28	3.18	2130	1	2.69	580	2	0.06	5	186	1.04	388	10	65
0.5	38	58	11.65	0.28	3.34	2140	1	2.6	650	2	0.01	5	189	1.06	395	10	69
0.5	43	60	12.3	0.37	3.47	2210	1	2.43	650	2	0.01	5	177	1.05	413	10	79
0.5	44	59	11.75	0.28	2.89	1955	1	2.3	620	2	0.01	5	159	1.02	394	10	73
0.5	44	47	12.2	0.24	2.94	2060	1	2.47	660	2	0.04	5	133	1.04	388	10	73
0.5	42	47	11.1	0.23	2.91	2040	1	2.49	670	2	0.01	5	141	1.04	390	10	71
0.5	40	47	11.4	0.21	2.97	2160	1	2.98	620	2	0.01	5	188	1.12	423	10	103
0.5	42	46	11.95	0.31	2.81	2090	1	2.58	660	2	0.01	5	169	1.03	396	10	89
0.5	45	48	12.05	0.32	3	2040	1	2.34	660	2	0.04	5	259	1.02	390	10	71
0.5	44	49	12	0.36	2.7	2170	1	2.45	750	2	0.03	5	256	1.1	417	10	85
0.5	48	55	12.35	0.35	2.96	2100	1	2.22	750	2	0.08	5	292	1.04	403	10	87
0.5	43	467	9.36	1.3	6.26	1570	1	1.91	2730	2	0.11	5	641	0.6	189	10	105
0.5	49	56	12.7	0.38	2.89	2180	1	2.48	720	2	0.02	5	258	1.1	410	10	85
0.5	41	59	11.4	0.66	3.09	2000	1	2.44	880	2	0.01	5	282	0.94	357	10	75
0.5	36	79	9.48	0.78	3.78	1600	1	2.31	1690	2	0.03	5	403	0.68	253	10	77
0.5	43	54	11.8	0.7	2.69	1935	1	2.26	710	2	0.01	5	166	1.04	393	10	73
0.5	46	51	12.65	0.46	2.86	2050	1	2.07	670	2	0.03	5	146	0.99	370	10	82
0.5	51	51	12.35	0.41	2.69	2020	1	2.34	730	2	0.04	5	144	0.99	380	10	77
0.5	50	55	13	0.32	3.03	2160	1	2.54	710	2	0.06	5	174	1.06	393	10	75
0.5	49	49	12.7	0.32	2.88	2110	1	2.34	670	2	0.04	5	146	1	382	10	75
0.5	49	51	13.2	0.4	2.84	2190	1	2.24	700	2	0.01	5	163	1.09	415	10	77
0.5	47	56	12.6	0.31	3.1	2110	1	2.55	670	2	0.02	5	196	1.01	386	10	75
0.5	46	73	11.8	0.6	3.52	1930	1	2.5	1320	2	0.05	5	452	0.92	344	10	85
0.5	48	53	12.7	0.32	2.67	2130	1	2.48	710	2	0.02	5	161	1.06	401	10	80
0.5	45	52	11.85	0.25	2.6	2100	1	2.61	670	2	0.01	5	170	1.06	391	10	79
0.5	49	47	12	0.31	2.68	2130	1	2.23	650	2	0.01	5	155	1.05	396	10	80
0.5	47	44	13	0.35	3.53	2290	1	2.4	670	2	0.01	5	138	1.08	415	10	81
0.5	43	44	12.1	0.25	3.39	2230	1	2.54	670	2	0.01	5	143	1.08	403	10	70
0.5	43	42	12.7	0.23	3.78	2270	1	2.62	660	2	0.01	5	132	1.11	420	10	77
0.5	44	32	12.65	0.24	3.26	2300	1	2.64	700	2	0.01	5	128	1.09	414	10	73
0.5	46	52	12.45	0.24	3.12	2230	1	2.73	420	2	0.01	5	158	1.09	404	10	86
0.5	44	54	11.95	0.23	3.08	2160	1	2.76	670	2	0.01	5	169	1.02	383	10	77
0.5	46	52	11.7	0.25	2.99	2110	1	2.66	510	2	0.01	5	138	1.02	389	10	73
0.5	44	47	12.4	0.25	2.79	2120	1	2.94	650	2	0.01	5	161	1.1	426	10	77
0.5	46	47	12.3	0.28	2.59	2180	1	2.89	720	2	0.01	5	152	1.1	415	10	83

10	H	681006	101.8	102.7	0.90	0.79	107	50	0.1	0.002	0.0012	0.005	6.48	5	180	0.5	2	6.21
10	H	681007	102.7	103.3	0.60	0.70	43	33	0.1	0.01	0.0018	0.02	7.18	12	100	0.6	2	5.79
10	H	681008	103.3	103.8	0.50	0.57	5	36	0.1	0.001	0.0016	0.001	6.9	5	110	0.5	2	5.69
10	H	681009	103.8	104.6	0.80	1.01	63	40	0.1	0.005	0.0025	0.002	7.14	5	230	0.5	2	5.46
10	H	681010	104.6	105.1	0.50	0.47	65	43	0.1	0.001	0.0014	0.001	6.5	8	350	0.5	2	4.96
10	H	681011	105.1	105.6	0.50	0.51	218	60	0.1	0.016	0.0016	0.029	6.46	14	120	0.5	2	7.58
10	H	681012	105.6	106.3	0.70	0.81	146	62	0.1	0.003	0.0019	0.004	7.14	5	130	0.5	2	7.59
10	H	681013	106.3	106.9	0.60	0.67	30	39	0.1	0.001	0.0016	0.002	7.21	5	80	0.5	2	6.24
10	H	681014	106.9	107.5	0.60	0.63	10	38	0.1	0.001	0.0016	0.001	7.4	5	90	0.5	2	6.35
10	J	681015	105.1	105.55	0.45	0.45	2	34	0.1	0.001	0.0015	0.001	7.55	5	90	0.6	2	5.8
10	J	681016	105.55	106.1	0.55	0.63	181	45	0.1	0.002	0.0016	0.001	6.85	5	100	0.5	2	6.95
10	J	681017	106.1	106.7	0.60	0.68	1060	66	0.1	0.026	0.0015	0.003	6.38	5	120	0.5	2	6.63
10	J	681018	106.7	107.25	0.55	0.64	206	53	0.1	0.005	0.0018	0.003	7.1	6	220	0.5	2	5.36
10	J	681019	107.25	107.8	0.55	0.78	30	37	0.1	0.001	0.0016	0.001	7.38	5	80	0.6	2	5.66
10	K	681020	48.1	49	0.90	0.90	107	116	0.1	0.008	0.0446	0.105	7.92	5	70	0.5	2	6.44
10	K	681021	49	50	1.00	1.00	47	72	0.1	0.002	0.0159	0.019	7.51	5	60	0.5	2	5.92
10	K	681022	50	51	1.00	1.01	640	116	0.1	0.011	0.0319	0.075	7.86	10	50	0.5	2	6.46
10	K	681023	51	52	1.00	1.07	24	54	0.1	0.001	0.004	0.01	7.92	5	50	0.5	2	6.96
10	K	681024	52	53	1.00	0.91	89	58	0.1	0.014	0.003	0.004	7.47	5	40	0.5	2	7.17
10	K	681025	53	54	1.00	1.01	11	45	0.1	0.001	0.0029	0.002	7.57	5	40	0.5	2	7.27
10	K	681026	54	54.7	0.70	0.77	10	52	0.1	0.001	0.0026	0.001	7.85	7	30	0.5	2	7.51
10	K	681027	54.7	55.7	1.00	0.79	5	45	0.1	0.001	0.0027	0.002	7.72	5	40	0.5	2	7.21
10	K	681028	55.7	56.7	1.00	1.05	15	44	0.1	0.001	0.0027	0.003	7.69	5	40	0.5	2	7.02
10	K	681029	56.7	57.7	1.00	1.01	4	45	0.1	0.001	0.0026	0.001	8.15	5	40	0.5	2	7.22
10	K	681030	57.7	58.7	1.00	1.13	43	47	0.1	0.001	0.0026	0.003	7.65	6	40	0.5	2	6.7
10	K	681031	58.7	59.7	1.00	0.99	6	52	0.1	0.001	0.0026	0.002	7.96	11	40	0.5	2	6.77
10	K	681032	59.7	60.3	0.60	0.61	132	180	0.1	0.004	0.0237	0.094	7.19	11	30	0.5	2	5.89
10	K	681033	60.3	61	0.70	0.75	33	53	0.1	0.001	0.0042	0.008	7.58	5	30	0.5	2	5.94
10	K	681034	61	61.7	0.70	0.74	35	44	0.1	0.001	0.0028	0.003	7.49	5	30	0.5	2	5.87
10	K	681035	61.7	62.7	1.00	1.06	15	47	0.1	0.001	0.0027	0.002	7.47	5	30	0.5	2	6.2
11	A	681036	0	1	1.00	0.94	106	43	0.5	0.002	0.0021	0.002	9.27	7	90	0.5	2	6.82
11	A	681037	1	2	1.00	1.00	112	46	0.5	0.002	0.0021	0.002	9.44	5	90	0.5	2	7.08
11	A	681038	2	3	1.00	1.07	107	52	0.5	0.001	0.0018	0.002	9.57	5	70	0.5	2	7.39
11	A	681039	3	4	1.00	1.07	190	46	0.5	0.002	0.002	0.002	9.37	5	50	0.5	2	6.98
11	A	681040	4	5	1.00	1.10	245	57	0.5	0.002	0.0021	0.003	9.35	5	60	0.5	2	6.49
11	A	681041	5	6	1.00	1.01	98	44	0.5	0.001	0.002	0.002	8.99	5	50	0.5	2	6.77
11	A	681042	6	7	1.00	1.03	104	58	0.5	0.002	0.0017	0.002	9.53	14	120	0.5	3	6.97
11	A	681043	7	8	1.00	1.10	98	52	0.5	0.002	0.0019	0.003	9.23	9	70	0.5	2	6.2
11	A	681044	8	9	1.00	1.04	121	17	0.5	0.001	0.001	0.001	6.94	11	210	0.7	2	4.87
11	A	681045	9	10	1.00	1.00	133	6	0.5	0.001	0.001	0.001	6.75	8	50	0.9	2	5.53
11	A	681046	10	10.9	0.90	0.77	92	4	0.5	0.001	0.001	0.001	6.5	10	40	0.8	2	5.36
11	B	681047	12.5	12.8	0.30	0.23	371	17	0.5	0.001	0.001	0.001	0.54	8	10	0.5	2	0.59
11	B	681048	12.8	13.4	0.60	0.60	144	52	0.5	0.002	0.0031	0.004	8.15	5	90	0.5	2	6.29
11	B	681049	13.4	14.2	0.80	0.77	65	38	0.5	0.005	0.0052	0.005	10.3	5	180	0.5	2	6.43
11	B	681050	14.2	15	0.80	0.81	162	47	0.5	0.003	0.0073	0.007	10.1	8	130	0.5	2	7.36
11	B	681051	15	16	1.00	1.00	66	33	0.5	0.002	0.0089	0.007	9.76	7	130	0.5	2	6.87
11	B	681052	16	16.8	0.80	0.80	61	36	0.5	0.004	0.0055	0.016	9.85	11	200	0.6	2	6.98
11	B	681053	16.8	17.6	0.80	0.80	167	50	0.5	0.011	0.011	0.033	10.2	5	170	0.6	2	7.38
11	B	681054	17.6	18.3	0.70	0.79	148	66	0.5	0.007	0.0031	0.04	8.68	6	60	0.5	2	7.2
11	B	681055	18.3	19	0.70	0.74	190	104	0.5	0.002	0.0008	0.004	8.25	5	60	0.5	2	7.31

0.5	47	41	12.25	0.53	2.27	2030	1	1.72	600	2	0.03	5	109	0.9	354	10	85
0.5	46	39	12.3	0.39	2.64	2330	1	2.4	720	2	0.01	5	148	1.05	378	10	81
0.5	45	36	11.95	0.4	2.95	2240	1	2.16	620	2	0.01	5	142	0.97	362	10	86
0.5	51	44	12.85	0.65	2.92	2280	1	1.73	660	2	0.01	5	107	1.05	386	10	97
0.5	57	39	14	0.98	2.84	2400	1	1.21	570	3	0.02	5	35	0.92	360	10	100
0.5	76	48	15.15	0.5	3.04	2700	4	1.06	2810	2	0.06	5	46	0.89	390	10	109
0.5	77	52	14	0.52	3.31	2560	2	1.38	710	2	0.04	5	100	1.04	429	10	176
0.5	49	46	12.05	0.33	2.85	2060	1	2.25	660	2	0.01	5	170	1.01	394	10	81
0.5	50	45	12	0.32	2.44	1915	1	2.17	670	2	0.01	5	169	1.04	390	10	80
0.5	44	41	11.7	0.33	3.26	2300	1	2.62	720	2	0.01	5	184	1.07	401	10	84
0.5	73	45	12.85	0.43	2.52	2520	1	1.53	610	2	0.1	5	117	0.97	359	10	94
0.5	91	43	14.95	0.52	2.76	2610	1	1.12	600	2	0.2	5	52	0.9	366	10	108
0.5	57	46	13.6	0.62	2.54	2260	1	1.68	660	2	0.13	5	92	1.01	379	10	93
0.5	53	44	13.1	0.36	2.4	2320	1	2.28	680	2	0.02	5	118	1.03	389	10	82
0.5	47	76	10.15	0.28	3.53	1895	1	2.26	80	2	0.04	5	156	0.73	385	10	76
0.5	39	68	9.78	0.27	3.01	1910	1	2.32	110	2	0.01	5	153	0.81	410	10	68
0.5	50	65	10.8	0.22	3.08	1985	4	2.32	130	2	0.12	5	158	0.81	421	10	74
0.5	41	71	10.2	0.21	2.94	1940	1	2.12	160	2	0.01	5	163	0.83	435	10	68
0.5	49	68	10.95	0.21	3	1965	1	1.98	160	2	0.06	5	144	0.79	421	10	71
0.5	36	67	9.29	0.16	2.56	1760	1	2.17	180	2	0.01	5	179	0.82	406	10	58
0.5	38	63	10.15	0.16	2.72	1815	1	2.32	190	2	0.01	5	181	0.85	428	10	59
0.5	41	67	10.1	0.18	2.57	1730	1	2.23	220	2	0.01	5	183	0.92	415	10	58
0.5	48	67	11.35	0.22	2.69	1885	1	2.18	210	2	0.01	5	172	0.95	407	10	65
0.5	47	65	11.55	0.25	2.64	1955	1	2.3	250	2	0.01	5	182	1.01	434	10	70
0.5	47	64	12	0.22	2.72	2060	1	2.17	300	2	0.04	5	140	1.01	413	10	73
0.5	42	62	11.5	0.23	2.76	2030	1	2.21	350	2	0.01	5	152	1.01	431	10	67
0.5	51	56	11.2	0.21	3.12	1875	1	2.03	320	2	0.26	5	133	0.94	388	10	64
0.5	46	57	11.75	0.19	3.68	2020	1	2.01	410	2	0.03	5	124	1.02	391	10	70
0.5	49	51	12.15	0.2	3.6	2070	1	2.01	450	2	0.03	5	118	1.03	404	10	73
0.5	48	57	11.8	0.2	3.43	2050	1	2.02	420	2	0.01	5	125	0.97	390	10	68
0.5	40	22	8.95	0.47	2.45	1300	1	1.96	220	2	0.17	5	162	0.61	361	10	55
0.5	43	26	9.53	0.44	2.53	1390	1	1.85	210	2	0.12	5	145	0.76	471	10	61
0.5	45	26	10.1	0.36	2.53	1410	1	1.79	230	2	0.11	5	138	0.82	533	10	60
0.5	44	24	9.93	0.28	2.51	1410	1	1.87	230	2	0.24	5	138	0.77	507	10	64
0.5	48	22	10.65	0.32	2.51	1480	18	2.17	230	2	0.41	5	145	0.78	519	10	67
0.5	42	19	10.2	0.27	2.42	1540	1	1.84	250	2	0.1	5	145	0.73	490	10	64
0.5	39	37	9.94	0.43	2.63	1550	2	2.13	320	6	0.09	5	170	0.69	425	10	72
0.5	39	20	9.99	0.34	2.47	1515	1	2.07	190	2	0.07	5	159	0.69	423	10	67
0.5	32	32	12.2	0.8	1.82	1960	1	1.75	2710	5	0.15	6	60	1.17	78	10	87
0.5	30	11	12.25	0.37	1.39	2200	1	1.72	3210	7	0.23	6	87	1.31	33	10	88
0.5	24	4	11.9	0.32	1.3	2180	1	1.67	3130	3	0.18	5	83	1.23	30	10	80
0.5	22	25	2.53	0.02	0.13	228	2	0.15	210	2	0.52	5	7	0.13	10	10	7
0.5	49	32	9.93	0.42	2.79	1785	1	1.74	230	8	0.11	5	134	0.96	617	10	91
0.5	27	15	6.59	0.72	1.86	1085	1	2.53	180	8	0.04	5	213	0.63	340	10	64
0.5	32	15	6.3	0.54	1.73	947	1	2.37	50	9	0.12	5	186	0.65	393	10	58
0.5	22	13	5.09	0.44	1.35	745	1	2.36	40	6	0.04	5	173	0.47	229	10	45
0.5	23	13	5.5	0.78	1.57	886	1	2.42	40	8	0.05	5	188	0.51	231	10	46
0.5	28	14	5.43	0.75	1.5	820	1	2.3	70	9	0.16	5	183	0.58	242	10	44
0.5	47	66	9.27	0.3	3.14	1400	1	1.63	150	8	0.12	5	121	0.49	267	10	69
0.5	55	99	10.85	0.29	3.55	1640	1	1.51	200	14	0.16	5	98	0.43	274	10	79

11	B	681056	19	20	1.00	0.77	100	102	0.5	0.001	0.0103	0.012	8.31	5	60	0.5	2	7.21
11	B	681057	20	21	1.00	1.08	87	101	0.5	0.001	0.0035	0.005	8.25	5	50	0.5	2	6.98
11	B	681058	21	22	1.00	1.03	193	98	0.5	0.009	0.02	0.065	8.54	5	60	0.5	2	6.72
11	B	681059	22	22.9	0.90	1.03	120	101	0.5	0.002	0.0056	0.008	8.91	9	50	0.5	2	6.97
11	C	681060	23.4	24.2	0.80	0.94	1145	592	0.5	0.018	0.0428	0.059	2.62	8	30	0.5	2	4.27
11	C	681061	24.2	25	0.80	0.78	246	303	0.5	0.005	0.0028	0.011	4.63	13	130	0.5	2	4.37
11	C	681062	25	26	1.00	0.78	935	429	0.5	0.011	0.0023	0.014	5.6	5	80	0.5	2	4.06
11	C	681063	26	27	1.00	0.92	83	485	0.5	0.004	0.0129	0.026	4.08	5	50	0.5	2	4.41
11	C	681064	27	28	1.00	1.03	3110	1400	0.5	0.056	0.067	0.145	2.5	5	10	0.5	2	2.21
11	C	681065	28	29	1.00	1.13	2590	1100	0.5	0.043	0.0324	0.076	2.51	5	20	0.5	3	2.78
11	C	681066	29	30	1.00	1.00	277	686	0.5	0.007	0.0028	0.007	2.48	5	10	0.5	2	4.25
11	C	681067	30	31	1.00	1.00	172	774	0.5	0.003	0.0037	0.006	2.85	5	10	0.5	2	2.86
11	C	681068	31	31.6	0.80	0.60	191	727	0.5	0.003	0.0048	0.012	3.25	5	10	0.5	2	3.04
11	C	681069	31.6	32.1	0.50	0.48	181	606	0.5	0.002	0.0046	0.012	3.73	14	20	0.5	2	5.31
11	C	681070	32.1	33	0.90	0.91	170	161	0.5	0.003	0.0123	0.011	10.1	10	90	0.6	2	6.38
11	C	681071	33	33.6	0.80	0.63	335	259	0.5	0.006	0.012	0.022	6.84	5	50	0.5	2	7.33
11	C	681072	33.6	34.1	0.50	0.51	613	480	0.5	0.015	0.0717	0.125	6.72	5	60	0.5	2	7.6
11	C	681073	34.1	35	0.90	0.90	258	243	0.5	0.035	0.0891	0.19	9.9	7	80	0.6	2	6.53
11	C	681074	35	36	1.00	1.19	304	359	0.5	0.048	0.0687	0.149	10.25	5	60	0.5	2	7.17
11	C	681075	36	36.7	0.70	0.74	193	200	0.5	0.014	0.024	0.075	9.98	5	60	0.5	2	7.62
11	D	681076	27	28	1.00	0.98	248	217	0.5	0.01	0.0087	0.016	6.49	11	100	0.5	2	5.76
11	D	681077	28	29	1.00	1.04	135	219	0.5	0.003	0.0099	0.006	6.53	6	150	0.5	2	5.94
11	D	681078	29	30	1.00	0.95	335	1010	0.5	0.008	0.0256	0.093	2.67	5	20	0.5	2	3.68
11	D	681079	30	31	1.00	1.04	869	1010	0.5	0.011	0.0088	0.025	2.77	5	10	0.5	2	2.76
11	D	681080	31	31.6	0.80	0.63	379	777	0.5	0.007	0.0046	0.007	3.07	5	10	0.5	2	2.89
11	D	681081	31.6	32.2	0.80	0.60	462	723	0.5	0.007	0.0048	0.009	3.38	10	10	0.5	2	3.66
11	D	681082	32.2	33	0.80	0.60	324	152	0.5	0.009	0.0202	0.011	10.25	5	90	0.5	2	6.67
11	D	681083	33	34	1.00	0.98	2780	752	0.8	0.048	0.0461	0.121	5.93	5	70	0.5	2	6.37
11	D	681084	34	35	1.00	1.06	837	1180	0.5	0.031	0.0646	0.119	10.3	6	70	0.5	2	6.57
11	D	681085	35	36	1.00	0.90	1400	795	0.5	0.07	0.17	0.261	10.15	5	60	0.5	2	6.79
11	D	681086	36	37	1.00	1.10	4180	803	1.5	0.102	0.236	0.414	10.2	7	50	0.5	2	7.15
11	D	681087	37	37.9	0.90	0.95	321	137	0.5	0.013	0.0278	0.03	10.3	5	50	0.5	2	7.54
11	D	681088	37.9	38.65	0.75	0.79	156	130	0.5	0.003	0.0047	0.006	8.79	5	40	0.5	2	8.08
11	D	681089	38.65	39.5	0.85	0.90	43	69	0.5	0.001	0.0012	0.001	9.98	5	60	0.6	2	7.43
11	D	681090	39.5	40.2	0.70	0.70	69	75	0.5	0.001	0.0008	0.006	11.05	5	50	0.5	2	7.95
11	D	681091	40.2	41	0.80	0.78	17	61	0.5	0.001	0.001	0.002	10.65	5	50	0.5	2	7.84
11	D	681092	41	42	1.00	1.05	32	55	0.5	0.001	0.0019	0.003	10.95	5	60	0.5	2	7.75
11	D	681093	42	42.8	0.80	0.79	37	61	0.5	0.001	0.004	0.008	10.45	5	50	0.5	2	7.91
11	D	681094	42.8	43.6	0.80	0.79	88	69	0.5	0.002	0.0137	0.008	9.86	5	60	0.5	2	7.4
11	E	681095	44.4	45.2	0.80	0.58	26	63	0.5	0.001	0.0154	0.003	9.8	5	90	0.5	2	7.02
11	E	681096	45.2	46	0.80	0.80	796	151	0.5	0.004	0.0029	0.009	10.4	6	120	1.1	2	6.95
11	E	681097	46	47	1.00	1.02	113	123	0.5	0.001	0.0021	0.003	9.58	5	50	0.8	2	7.4
11	E	681098	47	48	1.00	1.00	109	115	0.5	0.002	0.0017	0.002	10.05	5	70	0.5	2	8.07
11	E	681099	48	49	1.00	1.08	334	209	0.5	0.002	0.0018	0.018	9.72	10	70	0.5	2	7.02
11	E	681100	49	50	1.00	1.02	772	350	0.5	0.017	0.0168	0.066	9.24	7	90	1.5	2	5.46
11	E	681101	50	51	1.00	0.99	472	324	0.5	0.003	0.0144	0.04	10.6	5	90	1	2	6.48
11	E	681102	51	52	1.00	0.59	478	329	0.5	0.006	0.0256	0.07	9.74	5	90	0.5	2	6.58
11	E	681103	52	53	1.00	1.20	406	320	0.5	0.005	0.0261	0.078	9.42	5	80	0.5	2	6.65
11	E	681104	53	54	1.00	1.01	871	628	0.5	0.011	0.0298	0.178	9.19	9	90	0.5	2	6.17
11	E	681105	54	55	1.00	0.99	1030	579	0.5	0.009	0.0319	0.134	9.17	5	100	0.5	2	6.41

0.5	55	105	10.5	0.31	3.59	1585	2	1.58	120	6	0.07	5	106	0.44	268	10	70
0.5	50	88	9.88	0.25	3.57	1505	1	1.65	130	5	0.07	5	117	0.39	217	10	69
0.5	45	65	8.55	0.29	3.15	1365	2	1.96	160	7	0.18	5	151	0.53	231	10	71
0.5	44	107	9	0.23	3.54	1460	1	1.89	220	8	0.08	5	145	0.4	203	10	70
0.5	93	1005	14.85	0.21	8.7	3170	1	0.24	130	7	0.2	9	6	0.51	345	10	150
0.5	87	568	12.8	0.81	6.84	1760	1	0.82	240	4	0.02	6	56	0.41	251	10	131
0.5	111	624	14.9	0.49	7.08	1775	1	0.9	180	6	0.11	5	33	0.53	315	10	126
0.5	102	1070	14.8	0.24	8.55	2280	1	0.65	100	2	0.01	5	38	0.45	394	10	118
0.5	155	1640	19.95	0.01	10.4	3080	1	0.05	100	2	0.67	5	3	0.49	510	10	129
0.6	138	1340	18.7	0.06	9.55	2760	1	0.12	230	2	0.46	5	2	0.51	461	10	127
0.5	116	1330	16.5	0.05	10.2	2610	1	0.16	120	2	0.09	5	4	0.44	368	10	122
0.5	113	1740	17.45	0.03	10.95	2500	1	0.09	190	2	0.14	5	3	0.46	364	10	120
0.5	109	1380	15.9	0.04	10.35	2540	1	0.16	350	2	0.21	5	5	0.48	302	10	123
0.5	105	1375	14.05	0.16	8.63	1775	1	0.26	380	3	0.2	5	7	0.55	315	10	120
0.5	39	221	6.24	0.33	2.46	888	2	3	150	8	0.12	6	290	0.33	146	10	56
0.5	63	848	10.75	0.24	5.56	1830	1	1.42	290	11	0.11	5	93	0.54	336	10	108
0.5	87	1110	14.9	0.32	7.29	2150	1	1	90	2	0.29	5	38	0.53	376	10	135
0.5	40	64	5.18	0.36	1.39	720	6	2.92	90	7	0.31	5	253	0.4	122	10	39
0.5	50	95	5.97	0.27	2.55	857	1	2.42	230	9	0.37	5	196	0.3	138	10	47
0.5	40	95	5.58	0.18	2.68	872	1	2.25	120	7	0.2	5	185	0.28	144	10	47
0.5	75	432	11.95	0.55	5.18	1620	10	1.6	170	3	0.05	5	155	0.5	261	10	93
0.5	90	189	14.15	0.93	4.33	1590	5	1.17	290	7	0.02	5	75	0.76	325	10	102
0.5	140	1440	17.85	0.09	10.1	2660	2	0.13	120	2	0.35	5	3	0.63	445	10	141
0.5	147	1620	18.7	0.02	10.8	2590	1	0.08	150	2	0.34	5	2	0.47	389	10	140
0.5	120	1570	17.45	0.04	10.25	2850	1	0.15	320	2	0.18	5	3	0.55	339	10	144
0.5	118	1370	16.35	0.06	9.82	2900	1	0.23	310	2	0.17	5	5	0.53	312	10	149
0.5	39	227	7.39	0.53	2.93	1065	4	2.68	200	2	0.09	5	256	0.31	169	10	64
0.5	98	931	13.2	0.44	5.79	1810	2	1.19	700	2	0.93	5	55	0.56	335	10	126
0.5	121	92	7.83	0.28	2.07	903	2	2.86	270	3	1.95	5	220	0.56	181	10	48
0.5	79	82	6.73	0.25	2.1	837	2	2.7	370	2	1.02	5	204	0.37	129	10	49
0.5	70	104	7.14	0.21	2.58	914	1	2.37	230	3	1.08	5	186	0.28	148	10	79
0.5	35	108	6.59	0.21	3.09	1030	2	2.57	260	2	0.18	5	182	0.32	190	10	58
0.5	46	215	8.81	0.2	4.67	1375	2	1.85	280	2	0.13	5	98	0.51	291	10	72
0.5	33	71	6.17	0.21	2.63	910	2	2.44	80	2	0.03	5	184	0.35	173	10	53
0.5	37	66	6.62	0.18	2.92	915	2	2.67	120	2	0.06	5	188	0.34	172	10	46
0.5	33	60	6.38	0.17	2.83	866	1	2.51	160	2	0.01	5	177	0.38	185	10	40
0.5	34	43	6.82	0.2	2.7	911	4	2.74	90	2	0.02	5	194	0.43	196	10	49
0.5	38	57	7.05	0.17	2.94	925	1	2.42	160	2	0.04	5	167	0.5	223	10	42
0.5	39	82	7.2	0.23	2.68	967	3	2.38	320	2	0.09	5	169	0.57	299	10	47
0.5	36	111	7.65	0.29	2.98	1065	2	2.46	140	2	0.02	5	169	0.64	286	10	59
0.5	54	69	7.98	0.46	2.39	1105	3	2.67	430	2	0.43	5	213	1.01	219	40	59
0.5	51	26	9.19	0.27	2.87	1295	11	2.17	320	2	0.14	5	152	1.1	553	10	74
0.5	47	18	9.06	0.31	3.03	1285	2	2.01	210	2	0.1	5	159	1.05	799	10	68
0.5	60	22	8.52	0.31	2.61	1120	3	2.22	370	2	0.52	5	166	1.01	466	10	58
0.5	83	34	7.77	0.41	1.62	941	21	2.55	890	2	1.21	5	202	1	216	10	48
0.5	80	31	8.52	0.37	2.12	1005	5	2.88	1010	2	0.97	5	197	0.73	253	10	57
0.5	81	41	9.61	0.58	2.5	1170	4	2.35	280	9	0.82	5	194	0.85	350	10	70
0.5	68	45	9.86	0.49	2.54	1270	3	2.22	660	2	0.6	5	180	1.08	430	10	63
0.5	122	31	11.2	0.59	2.32	1075	22	2.31	2980	2	1.55	5	183	0.41	342	10	60
0.5	113	34	11.35	0.71	2.64	1265	2	2.13	1870	2	1.25	5	194	0.84	431	10	67

11	E	681106	55	56	1.00	0.99	1710	619	0.5	0.011	0.0495	0.209	9.16	5	140	0.5	2	5.26
11	E	681107	56	57	1.00	1.08	186	222	0.5	0.003	0.0899	0.068	7.39	5	110	0.5	2	5.33
11	E	681108	57	58	1.00	1.06	169	231	0.5	0.001	0.042	0.026	9.05	5	80	0.5	2	6.65
11	E	681109	58	59	1.00	1.03	239	288	0.5	0.001	0.0434	0.041	8.93	5	80	0.5	2	6.67
11	E	681110	59	60	1.00	0.98	392	488	0.5	0.003	0.0457	0.1	9.01	5	60	0.5	2	6.46
11	E	681111	60	61	1.00	0.98	204	249	0.5	0.001	0.0566	0.029	9.2	5	70	0.5	2	6.45
11	E	681112	61	62	1.00	1.01	64	211	0.5	0.001	0.0515	0.034	8.69	5	80	0.5	2	6.94
11	E	681113	62	63	1.00	1.04	233	374	0.5	0.002	0.0527	0.023	8.58	5	90	0.5	2	6.45
11	E	681114	63	64	1.00	1.01	233	355	0.5	0.002	0.0556	0.053	8	5	90	0.5	2	6.46
11	E	681115	64	65	1.00	1.01	140	258	0.5	0.004	0.0573	0.246	8.36	6	60	0.5	2	7.15
11	E	681116	65	66	1.00	0.97	125	275	0.5	0.002	0.0381	0.154	8.21	7	100	0.5	2	6.04
11	E	681117	66	67	1.00	0.98	199	265	0.5	0.023	0.0509	0.96	9.02	5	110	0.5	2	6.68
11	E	681118	67	67.6	0.60	0.70	298	375	0.5	0.004	0.0279	0.117	9.26	5	120	0.5	2	6.45
11	E	681119	67.6	68.2	0.60	0.50	344	351	0.5	0.004	0.036	0.131	9.44	5	140	0.5	2	5.98
11	E	681120	68.2	69	0.80	0.90	111	113	0.5	0.003	0.0049	0.005	7.82	5	40	0.5	2	7.55
11	E	681121	69	69.7	0.70	0.52	130	116	0.5	0.002	0.0048	0.005	7.8	7	30	0.5	2	7.69
11	E	681122	69.7	70.5	0.80	0.81	117	119	0.5	0.002	0.0053	0.005	7.59	5	30	0.5	2	7.37
11	F	681123	72.1	73	0.90	0.75	104	129	0.5	0.003	0.0061	0.006	7.9	5	40	0.5	2	7.43
11	F	681124	73	74	1.00	0.96	98	129	0.5	0.002	0.0061	0.006	7.85	5	70	0.5	2	7.24
11	F	681125	74	75	1.00	1.02	72	122	0.5	0.001	0.0053	0.005	7.81	5	130	0.5	2	6.97
11	F	681126	75	75.6	0.60	0.71	121	114	0.5	0.002	0.0052	0.005	7.85	7	290	0.5	2	6.21
11	F	681127	75.6	76	0.40	0.37	154	210	0.5	0.002	0.0206	0.022	9.37	5	290	0.5	2	5.92
11	F	681128	76	77	1.00	1.08	421	171	0.5	0.004	0.0424	0.024	10	5	190	0.5	2	5.61
11	F	681129	77	77.8	0.80	0.64	131	141	0.5	0.004	0.0227	0.03	9.49	5	270	0.5	2	5.91
11	F	681130	77.8	78.4	0.60	0.46	343	162	0.5	0.005	0.0237	0.031	9.6	5	270	0.5	2	5.08
11	F	681131	78.4	79.4	1.00	0.72	3120	276	0.9	0.036	0.0093	0.157	8.94	5	240	0.5	2	4.91
11	F	681132	79.4	80.4	1.00	0.41	851	133	0.5	0.016	0.0983	0.036	8.92	8	170	0.5	2	4.46
11	F	681133	80.4	81.2	0.80	0.84	611	206	0.5	0.012	0.0826	0.043	8.35	9	140	0.5	2	5.12
11	F	681134	81.2	82	0.80	0.80	118	145	0.5	0.01	0.0211	0.088	8.54	5	70	0.5	2	5.99
11	F	681135	82	82.9	0.90	0.82	62	126	0.5	0.005	0.0092	0.033	7.88	5	70	0.5	2	5.98
11	G	681136	74.8	75.7	0.90	0.91	126	109	0.5	0.002	0.0045	0.004	7.86	5	60	0.5	2	7.6
11	G	681137	75.7	76.5	0.80	0.86	116	129	0.5	0.005	0.0456	0.023	8.77	5	280	0.5	2	4.72
11	G	681138	76.5	77.3	0.80	0.82	473	262	0.5	0.003	0.0274	0.029	9.61	9	250	0.5	2	5.74
11	G	681139	77.3	78.3	1.00	0.70	328	189	0.5	0.004	0.091	0.064	8.59	5	200	0.5	2	5.64
11	G	681140	78.3	79	0.70	0.74	281	313	0.5	0.006	0.0976	0.11	7.95	5	130	0.5	2	5.92
11	G	681141	79	80	1.00	1.07	98	132	0.5	0.003	0.005	0.016	7.97	5	130	0.5	2	5.97
11	G	681142	80	81	1.00	1.01	80	123	0.5	0.005	0.0035	0.036	7.8	5	120	0.5	2	6.17
11	G	681143	81	82	1.00	1.02	239	135	0.5	0.012	0.0337	0.136	8.19	5	130	0.5	2	5.77
11	G	681144	82	82.45	0.45	0.38	243	79	0.5	0.014	0.0188	0.247	7.31	5	340	0.5	2	4.69
11	G	681145	82.45	82.75	0.30	0.51	220	110	0.5	0.005	0.011	0.03	8.29	5	180	0.5	2	5.34
11	G	681146	82.75	83.2	0.45	0.34	353	87	0.5	0.004	0.0049	0.019	8.53	5	230	0.8	2	4.88
11	G	681147	83.2	84	0.80	0.80	71	109	0.5	0.003	0.0058	0.069	7.7	5	230	0.5	2	5.47
11	G	681148	84	84.8	0.80	0.43	151	62	0.5	0.003	0.0034	0.004	7.22	5	100	0.5	2	5.29
11	G	681149	84.8	85.8	1.00	0.75	71	105	0.5	0.008	0.0659	0.069	7.48	9	50	0.5	2	6.12
11	G	681150	85.8	86.8	1.00	1.07	104	93	0.5	0.004	0.0153	0.029	7.46	6	40	0.5	2	6.12
11	G	681151	86.8	87.8	1.00	0.99	163	107	0.5	0.005	0.0139	0.06	7.9	5	40	0.5	2	6.66
11	G	681152	87.8	88.8	1.00	1.01	7	48	0.5	0.001	0.0034	0.003	7.36	5	30	0.5	2	6.26
11	G	681153	88.8	89.8	1.00	1.07	219	76	0.5	0.006	0.013	0.031	7.54	5	30	0.5	2	6.44
11	G	681154	89.8	90.2	0.40	0.48	166	65	0.5	0.005	0.017	0.012	7.28	8	40	0.5	2	7.12
11	H	681155	88	89	1.00	0.99	16	57	0.5	0.001	0.005	0.004	7.38	5	30	0.5	2	6.44

0.5	123	28	10.65	0.91	2.26	1215	2	2.44	1940	5	1.8	5	234	0.91	363	10	52
0.5	54	111	12.45	0.65	4.1	2160	2	1.99	260	2	0.26	5	132	1.86	482	10	70
0.5	54	51	9.47	0.6	3.4	1350	2	2.12	420	2	0.25	5	167	0.5	328	10	65
0.5	58	38	9.39	0.57	3.11	1285	2	1.92	640	2	0.35	5	164	0.73	348	10	55
0.5	79	54	9.73	0.35	3.28	1295	2	1.92	2040	2	0.74	5	137	0.52	278	10	58
0.5	54	60	9.8	0.41	3.26	1315	2	2.1	370	2	0.19	5	143	0.43	269	10	65
0.5	49	73	10.55	0.48	3.63	1540	2	1.92	720	2	0.07	5	137	0.88	536	10	69
0.5	72	128	10.75	0.5	3.43	1530	2	1.79	590	3	0.46	5	132	0.92	288	10	71
0.5	71	50	10.95	0.51	3.22	1600	3	1.81	690	2	0.41	5	141	1.1	635	10	75
0.5	55	67	9.54	0.38	3.33	1375	2	1.84	350	2	0.24	5	152	0.67	454	10	77
0.5	53	65	9.45	0.42	3.34	1460	2	1.87	450	2	0.28	5	106	0.7	303	10	69
0.5	50	38	9.63	0.55	3.07	1365	2	1.99	940	2	0.21	5	145	0.78	860	10	66
0.5	61	74	9.17	0.56	2.68	1410	3	2.13	1300	2	0.47	5	162	0.96	400	10	63
0.5	66	63	8.91	0.6	2.71	1235	1	2.2	420	2	0.41	5	158	0.58	251	10	68
0.5	43	209	8.5	0.22	4.4	1430	1	1.48	290	2	0.09	5	88	0.53	283	10	83
0.5	44	202	8.42	0.18	4.41	1430	1	1.44	290	2	0.12	5	88	0.52	282	10	78
0.5	44	211	7.98	0.17	4.38	1385	1	1.42	260	2	0.1	5	91	0.5	275	10	78
0.5	43	233	7.8	0.18	4.7	1450	2	1.6	250	2	0.06	5	103	0.46	261	10	68
0.5	46	229	8.08	0.26	4.67	1530	1	1.68	250	2	0.05	5	110	0.48	274	10	73
0.5	45	222	8.74	0.49	4.43	1495	1	1.62	240	2	0.02	5	105	0.49	274	10	112
0.5	50	222	9.33	0.77	4.35	1565	1	1.82	300	2	0.01	5	102	0.53	290	10	139
0.5	46	52	7.05	0.74	2.18	971	2	2.58	710	2	0.15	5	227	0.23	277	10	130
0.5	46	49	7.5	0.56	2.15	903	3	2.85	290	2	0.22	5	203	0.08	228	10	144
0.5	42	76	8.68	0.7	2.61	1165	2	2.34	350	2	0.06	5	197	0.23	206	10	315
0.5	43	59	7.92	0.72	2.11	947	3	2.59	320	2	0.24	5	212	0.1	189	10	281
0.5	83	23	10.1	0.71	2.39	1110	2	2.41	1440	2	1	5	170	0.16	442	10	150
0.5	53	87	9.74	0.6	2.99	1280	6	2.3	520	2	0.19	5	158	0.18	197	10	76
0.5	60	127	10.2	0.53	3.8	1450	3	2.06	610	2	0.22	5	141	0.23	210	10	79
0.5	45	78	9.64	0.32	3.4	1655	4	2.04	160	2	0.08	5	147	0.25	279	10	70
0.5	43	85	11	0.37	3.39	2180	4	1.63	220	2	0.02	5	98	0.42	324	10	78
0.5	46	215	8.62	0.25	4.38	1525	1	1.52	290	2	0.08	5	94	0.53	291	10	89
0.5	38	75	8.12	0.83	2.54	1115	6	2.76	290	2	0.07	5	181	0.13	183	10	189
0.5	53	54	8.16	0.71	2.04	1005	3	2.55	370	2	0.48	5	222	0.18	226	10	121
0.5	50	60	9.88	0.59	3.24	1270	2	2.16	560	2	0.33	5	157	0.16	308	10	120
0.5	64	83	9.92	0.48	4.02	1380	1	1.8	260	2	0.23	5	112	0.23	304	10	87
0.5	51	93	9.64	0.44	3.99	1615	1	1.73	380	2	0.05	5	124	0.23	248	10	81
0.5	48	100	10.95	0.46	4.25	2030	3	1.49	120	2	0.04	5	105	0.23	305	10	90
0.5	45	85	11.3	0.47	3.46	2030	3	1.61	350	2	0.11	5	123	0.44	411	10	79
0.5	38	78	14.95	1.21	3.13	2720	212	0.8	110	6	0.05	5	24	0.49	378	10	85
0.5	47	83	9.27	0.58	3.27	1660	2	2.03	260	2	0.06	5	319	0.44	273	10	64
0.5	46	67	6.2	0.44	2.35	834	2	2.68	920	2	0.21	5	764	0.37	145	10	45
0.5	48	105	9.5	0.7	3.64	1960	2	1.9	480	2	0.03	5	265	0.67	304	10	70
0.5	50	83	10.85	0.47	3.78	2240	2	1.49	130	2	0.02	5	119	0.68	346	10	76
0.5	49	82	10.8	0.22	3.74	2620	2	1.67	110	2	0.01	5	135	0.57	323	10	67
0.5	45	76	10.35	0.2	3.6	2330	4	1.78	130	2	0.02	5	139	0.73	342	10	64
0.5	56	77	10.45	0.18	3.82	2170	2	1.98	120	2	0.07	5	158	0.77	397	10	65
0.5	46	78	10.05	0.16	3.84	2230	2	1.88	100	2	0.01	5	145	0.79	367	10	66
0.5	46	80	9.39	0.13	3.76	2190	2	2.03	120	2	0.02	5	165	0.85	380	10	71
0.5	47	71	9.9	0.16	3.96	2210	1	1.9	260	2	0.02	5	152	0.96	389	10	75
0.5	41	74	9.77	0.17	3.44	2200	1	1.82	90	2	0.01	5	147	0.82	363	10	65

11	H	681156	89	90	1.00	1.23	1150	101	0.7	0.019	0.0108	0.046	7.23	12	30	0.5	2	6.29
11	H	681157	90	91	1.00	0.84	716	103	0.5	0.016	0.0294	0.056	7.03	9	30	0.5	2	6.42
11	H	681158	91	92	1.00	1.04	800	89	0.5	0.069	0.0181	0.124	7.78	5	50	0.5	2	6.96
11	H	681159	92	93	1.00	1.06	51	48	0.5	0.002	0.0029	0.003	7.21	5	50	0.5	2	6.5
11	H	681160	93	94	1.00	1.03	61	39	0.5	0.001	0.0026	0.002	7.18	5	40	0.5	2	6.18
11	H	681161	94	95	1.00	1.01	29	37	0.5	0.001	0.0026	0.002	7.2	5	30	0.5	2	6.13
11	H	681162	95	96	1.00	1.00	10	39	0.5	0.001	0.0027	0.002	6.94	5	40	0.5	2	6.17
11	H	681163	96	97	1.00	1.03	23	42	0.5	0.002	0.0041	0.005	7.02	5	40	0.5	2	6.27
11	H	681164	97	98	1.00	1.04	31	43	0.5	0.001	0.0027	0.002	7.02	5	40	0.5	2	6.12
11	H	681165	98	99	1.00	1.03	21	45	0.5	0.001	0.0027	0.002	7.11	5	30	0.5	2	6.09
11	H	681166	99	100	1.00	0.98	28	35	0.5	0.001	0.0028	0.002	7.27	5	90	0.5	2	5.87
11	H	681167	100	101	1.00	1.09	15	40	0.5	0.001	0.0027	0.002	6.97	5	80	0.5	2	6.16
11	H	681168	101	102	1.00	1.16	1440	73	0.7	0.027	0.0026	0.005	6.45	5	170	0.5	2	4.73
11	H	681169	102	102.55	0.55	0.67	835	111	0.5	0.017	0.0026	0.011	5.51	6	160	0.5	2	4.53
11	H	681170	102.55	103.2	0.65	0.66	458	116	0.5	0.005	0.0019	0.002	5.68	11	250	0.5	2	4.5
11	H	681171	103.2	103.8	0.60	0.63	1290	138	0.7	0.016	0.0023	0.01	4.17	70	50	0.5	2	5.53
11	J	681172	103	103.5	0.50	0.68	99	181	0.5	0.002	0.0051	0.008	7.17	6	140	0.8	2	5.95
11	J	681173	103.5	103.8	0.30	0.40	31	359	0.5	0.001	0.0045	0.005	6.48	17	180	0.9	2	6.78
11	J	681174	103.8	104.3	0.50	0.54	90	107	0.5	0.004	0.0024	0.002	6.88	5	90	0.5	2	6
11	J	681175	104.3	105.3	1.00	0.82	236	102	0.5	0.024	0.003	0.047	6.87	5	270	0.5	2	5.02
11	J	681176	105.3	106	0.70	0.76	176	119	0.5	0.081	0.004	0.049	6.93	5	60	0.7	3	5.72
11	J	681177	106	107	1.00	0.95	1000	197	0.5	0.024	0.0544	0.138	6.87	30	70	0.5	2	6.04
11	J	681178	107	108	1.00	1.02	29	41	0.5	0.002	0.0025	0.002	7.32	5	80	0.6	2	6.42
11	J	681179	108	109	1.00	1.07	59	55	0.5	0.001	0.0024	0.002	7.09	5	110	0.5	2	6.89
11	J	681180	109	110	1.00	1.02	54	38	0.5	0.001	0.0024	0.002	7.09	5	100	0.5	2	6.26
11	J	681181	110	111	1.00	1.06	24	35	0.5	0.001	0.0023	0.002	6.55	5	80	0.5	2	6.45
11	J	681182	111	112	1.00	1.12	67	53	0.5	0.099	0.0023	0.002	7.1	5	80	0.7	2	6.2
11	J	681183	112	113	1.00	0.94	45	41	0.5	0.001	0.0026	0.004	7.01	5	70	0.5	2	6.19
11	J	681184	113	114	1.00	0.99	26	36	0.5	0.001	0.0024	0.002	7.25	5	80	0.5	2	6.36
11	J	681185	114	115	1.00	0.92	46	35	0.5	0.001	0.0024	0.002	6.97	5	70	0.5	2	6.48
11	J	681186	115	116	1.00	0.98	60	37	0.5	0.004	0.0025	0.002	7.35	5	90	0.6	2	6.06
11	J	681187	116	117	1.00	0.99	33	33	0.5	0.007	0.0021	0.002	7.7	5	90	0.6	2	6.71
11	J	681188	117	118	1.00	0.97	24	32	0.5	0.001	0.0022	0.002	7.26	6	90	0.5	2	6.21
11	J	681189	118	118.7	0.70	0.68	37	31	0.5	0.001	0.0025	0.002	7.5	5	80	0.5	2	5.97
11	J	681190	118.7	119.4	0.70	0.55	13	32	0.5	0.001	0.0025	0.002	7.66	5	90	0.6	2	6.12
11	J	681191	119.4	120.4	1.00	0.44	1640	176	0.5	0.02	0.0317	0.045	7.39	59	80	0.6	2	6.12
11	J	681192	120.4	121.2	0.80	0.87	1680	206	0.8	0.025	0.0399	0.06	6.85	117	50	0.5	2	5.89
11	J	681193	121.2	122	0.80	0.88	57	38	0.5	0.001	0.0026	0.002	7.39	25	110	0.5	2	5.76
11	K	681194	131.4	132	0.60	1.00	36	33	0.5	0.004	0.0026	0.002	7.56	5	100	0.5	2	6.73
11	K	681195	132	133	1.00	0.88	63	35	0.5	0.002	0.0023	0.002	7.8	5	90	0.6	2	7.12
11	K	681196	133	134	1.00	0.93	46	35	0.5	0.001	0.0025	0.002	7.6	20	120	0.5	2	6.74
11	K	681197	134	135	1.00	1.16	46	36	0.5	0.001	0.0023	0.002	7.43	78	110	0.5	2	6.68
11	K	681198	135	136	1.00	0.93	56	33	0.5	0.001	0.0021	0.002	7.34	5	90	0.6	2	6.68
11	K	681199	136	136.9	0.90	0.80	759	129	0.5	0.008	0.003	0.006	7.35	5	60	0.6	2	5.83
11	K	681200	136.9	137.6	0.70	0.88	4700	341	1.5	0.079	0.0032	0.543	5.31	14	30	0.6	2	8.77
12	A	681201	0	1	1.00	0.60	88	47	0.1	0.002	0.0028	0.004	9.34	5	50	0.5	2	7
12	A	681202	1	2	1.00	1.30	99	46	0.1	0.001	0.0018	0.002	9.5	5	50	0.5	2	7.24
12	A	681203	2	3	1.00	0.98	76	44	0.1	0.002	0.0023	0.002	8.95	5	50	0.5	2	7.24
12	A	681204	3	4	1.00	1.05	160	52	0.1	0.002	0.0018	0.002	9.1	5	40	0.5	2	7.55
12	A	681205	4	5	1.00	1.00	141	61	0.1	0.002	0.0018	0.002	9.33	5	60	0.5	2	7.85

0.5	45	76	10.3	0.16	3.76	2140	1	1.83	200	2	0.11	5	139	0.91	392	10	79
0.5	50	63	10.65	0.19	2.91	1845	1	1.79	180	2	0.08	5	137	0.9	387	10	76
0.5	54	70	11.5	0.27	2.68	1935	2	1.98	160	4	0.06	5	157	1.01	439	10	95
0.5	47	60	11.8	0.26	2.9	2380	1	1.71	330	2	0.01	5	124	0.98	390	10	85
0.5	48	57	11.05	0.2	3.07	2230	2	2.1	460	2	0.01	5	149	1.03	388	10	78
0.5	51	59	11.7	0.2	3.15	2270	1	1.91	500	3	0.01	5	137	1.04	385	10	81
0.5	44	60	11.2	0.21	3.19	2200	1	1.85	490	2	0.01	5	150	0.98	369	10	75
0.5	48	66	11.2	0.21	3.24	2240	2	2.01	460	2	0.01	5	170	0.99	384	10	75
0.5	49	62	11.4	0.22	2.98	2340	2	2.09	440	2	0.01	5	168	1	385	10	73
0.5	51	64	11.85	0.2	2.89	2450	1	2.18	390	2	0.01	5	175	0.98	392	10	74
0.5	47	61	10.55	0.32	2.44	2180	1	2.22	320	2	0.01	5	211	1.05	431	10	68
0.5	46	62	11.35	0.34	2.87	2240	1	1.78	380	2	0.01	5	171	0.99	391	10	74
0.5	44	46	11.05	0.5	3.12	1900	2	1.4	520	2	0.17	5	117	0.98	327	10	74
0.5	48	198	10.5	0.51	3.42	1825	9	1	760	3	0.12	5	65	0.64	231	10	73
0.5	60	143	10.3	0.72	3.54	1690	7	1.2	480	2	0.17	5	78	0.59	287	10	77
0.5	67	362	8.82	0.22	3.13	1530	1	0.69	570	2	0.14	5	52	0.18	162	10	64
0.5	51	366	9.38	0.4	4.47	1925	2	2.29	980	2	0.05	5	352	0.75	283	10	78
0.5	56	631	8.91	0.57	7.27	1950	2	1.36	1120	2	0.01	5	212	0.38	155	10	100
0.5	55	138	10.9	0.3	3.66	2110	2	2.13	660	2	0.01	5	202	0.93	351	10	81
0.5	49	58	10.7	0.68	2.76	1930	2	2.19	680	2	0.05	5	147	0.98	359	10	79
0.5	41	65	10.5	0.23	2.73	1860	2	2.42	630	2	0.05	5	184	0.98	365	10	75
0.5	63	78	10.9	0.23	2.8	1930	2	2.3	610	2	0.24	5	211	1	373	10	84
0.5	48	60	12.25	0.33	2.77	2280	2	2.14	640	2	0.02	5	151	1.06	391	10	84
0.5	47	56	10.7	0.37	2.92	2060	1	1.88	630	2	0.01	5	133	1.05	390	10	80
0.5	43	56	10.8	0.35	3.23	2130	2	2.08	630	2	0.01	5	141	1.04	373	10	78
0.5	41	47	10.9	0.3	3.23	2020	2	1.78	570	2	0.01	5	98	0.94	342	10	76
0.5	45	58	11.75	0.29	3.28	2190	3	2.29	600	2	0.01	5	126	1.03	379	10	82
0.5	46	59	11.8	0.29	2.88	2120	1	2.19	600	2	0.01	5	130	0.97	362	10	79
0.5	48	61	12.1	0.29	2.48	2210	2	2.44	660	2	0.01	5	147	1.04	380	10	77
0.5	47	54	11.45	0.28	2.32	2120	2	2.3	650	2	0.01	5	164	1.01	371	10	72
0.5	43	56	11.7	0.33	2.41	2130	1	2.22	640	3	0.02	5	156	1.02	360	10	68
0.5	43	57	12.15	0.31	2.57	2190	1	2.26	680	4	0.01	5	168	1.07	389	10	72
0.5	41	51	11.6	0.32	2.3	2040	1	2.11	650	2	0.01	5	163	1.01	357	10	70
0.5	47	56	12.55	0.35	2.38	2080	1	2.22	650	4	0.01	5	140	1.01	362	10	74
0.5	42	59	10.85	0.32	2.22	1895	1	2.34	700	2	0.01	5	191	1.09	387	10	68
0.5	55	58	11.65	0.31	2.54	1835	1	2.27	630	8	0.29	5	169	1.02	376	10	119
0.5	48	51	11.5	0.24	2.59	1815	1	2.22	610	2	0.25	5	129	0.95	354	10	77
0.5	41	56	11.15	0.35	2.55	1830	1	2.4	670	5	0.01	5	146	1.04	376	10	73
0.5	44	48	11.65	0.4	2.43	1685	1	2.33	720	2	0.01	5	138	1.07	379	10	79
0.5	47	51	11.95	0.36	2.7	1745	1	2.43	720	2	0.03	5	156	1.11	387	10	84
0.5	42	58	11.5	0.41	2.32	1685	1	2.24	680	6	0.01	5	160	1.07	389	10	75
0.5	42	55	11.2	0.39	2.35	1630	1	2.17	650	2	0.01	5	165	1.05	385	10	80
0.5	44	54	11.8	0.36	2.21	1685	1	2.11	660	3	0.01	5	181	1.06	388	10	80
0.5	49	52	11.1	0.25	2.72	1530	1	2.48	470	3	0.15	5	158	1.04	420	10	98
0.5	97	189	15.65	0.25	4.27	1995	1	0.86	9400	7	0.66	5	24	0.65	1835	10	167
0.5	41	22	8.69	0.24	2.53	1295	1	2.05	220	2	0.1	5	158	0.56	333	10	60
0.5	44	22	9.25	0.25	2.63	1355	1	1.97	240	2	0.1	5	150	0.63	377	10	63
0.5	35	20	8.68	0.22	2.49	1270	1	2.09	200	7	0.07	5	143	0.57	348	10	59
0.5	41	25	9.84	0.24	2.67	1450	1	1.91	190	6	0.1	5	134	0.73	499	10	62
0.5	47	26	10.75	0.33	2.8	1480	2	1.91	180	2	0.06	5	128	0.76	542	10	66

12	A	681206	5	5.8	0.80	0.71	96	95	0.1	0.001	0.0012	0.002	8.64	5	80	0.5	2	7.15
12	A	681207	5.8	6.6	0.80	0.91	90	55	0.1	0.001	0.0019	0.002	9.29	5	50	0.5	2	7.78
12	A	681208	6.6	7.5	0.90	0.90	105	53	0.1	0.002	0.002	0.002	9.41	5	50	0.5	2	7.87
12	A	681209	7.5	8.15	0.65	0.52	86	103	0.1	0.001	0.001	0.001	8.05	5	40	0.5	2	6.83
12	A	681210	8.15	9	0.85	1.05	186	57	0.1	0.002	0.0021	0.002	9.58	5	60	0.5	2	8.11
12	A	681211	9	9.9	0.90	0.92	151	58	0.1	0.002	0.0013	0.003	9.08	5	60	0.5	2	7.71
12	B	681212	16	16.8	0.80	0.83	83	46	0.1	0.011	0.0061	0.014	9.86	5	50	0.5	2	7.53
12	B	681213	16.8	17.7	0.90	0.89	77	54	0.1	0.006	0.0122	0.027	10.15	5	50	0.5	2	7.9
12	B	681214	17.7	18.6	0.90	0.93	128	88	0.1	0.002	0.0026	0.004	8.31	5	40	0.5	2	7.95
12	B	681215	18.6	19.3	0.70	0.72	74	63	0.1	0.039	0.0081	0.032	9.74	5	50	0.5	2	7.82
12	B	681216	19.3	20	0.70	0.71	100	93	0.1	0.086	0.0228	0.071	9.17	5	50	0.5	2	7.98
12	B	681217	20	21	1.00	0.98	64	76	0.1	0.006	0.0023	0.009	8.57	5	50	0.5	2	7.88
12	B	681218	21	22	1.00	1.12	107	77	0.1	0.003	0.0039	0.008	7.95	5	50	0.5	2	7.84
12	B	681219	22	23	1.00	1.05	53	71	0.1	0.001	0.0018	0.003	8.4	5	40	0.5	2	8.23
12	B	681220	23	24	1.00	1.05	64	68	0.1	0.001	0.0013	0.001	8.62	5	50	0.5	2	7.94
12	B	681221	24	25	1.00	1.14	19	76	0.1	0.03	0.003	0.032	8.31	5	40	0.5	2	7.77
12	B	681222	25	26	1.00	0.89	88	79	0.1	0.003	0.0097	0.024	8.22	5	50	0.5	2	7.39
12	B	681223	26	27	1.00	1.17	109	95	0.1	0.002	0.0108	0.021	9.5	5	70	0.5	2	7.22
12	C	681224	28.5	29.2	0.70	1.08	209	1120	0.1	0.003	0.0024	0.004	2.53	5	10	0.5	2	2.97
12	C	681225	29.2	30	0.80	0.81	176	860	0.1	0.003	0.0057	0.004	2.6	7	10	0.5	2	2.97
12	C	681226	30	31	1.00	0.92	33	859	0.1	0.002	0.0131	0.014	2.17	17	10	0.5	2	3.31
12	C	681227	31	32	1.00	1.05	125	1060	0.1	0.002	0.0021	0.005	2.36	6	10	0.5	2	2.99
12	C	681228	32	32.7	0.70	0.70	357	868	0.1	0.007	0.0136	0.025	3.13	5	20	0.5	2	3.37
12	C	681229	32.7	33	0.30	0.39	60	838	0.1	0.002	0.0133	0.02	2.72	5	10	0.5	2	2.53
12	C	681230	33	33.6	0.60	0.60	1510	233	0.1	0.048	0.0051	0.11	4.61	5	90	0.5	2	6.47
12	C	681231	33.6	34.2	0.60	0.60	314	237	0.1	0.016	0.0161	0.134	4.56	5	160	0.5	2	6.33
12	C	681232	34.2	34.8	0.60	0.59	1070	160	0.1	0.01	0.0089	0.006	7.14	5	130	0.5	2	7.08
12	C	681233	34.8	35.8	1.00	0.54	23	533	0.1	0.002	0.0035	0.009	2.38	11	10	0.5	2	3.46
12	C	681234	35.8	36.6	0.80	0.88	448	701	0.1	0.007	0.0079	0.012	2.73	5	10	0.5	2	3.15
12	C	681235	36.6	37.4	0.80	0.86	192	626	0.1	0.003	0.0055	0.012	2.83	5	10	0.5	2	3.89
12	C	681236	37.4	38.2	0.80	0.88	308	620	0.1	0.004	0.0063	0.01	2.63	5	10	0.5	2	3.22
12	C	681237	38.2	38.8	0.60	0.63	504	598	0.1	0.007	0.005	0.008	3.29	5	10	0.5	2	4.05
12	C	681238	38.8	39.3	0.50	0.53	1320	1010	0.1	0.019	0.0353	0.086	2.28	5	10	0.5	2	1.97
12	D	681239	28.4	29.2	0.80	0.85	2160	918	0.5	0.032	0.0336	0.113	3.36	5	10	0.5	2	3.87
12	D	681240	29.2	30	0.80	0.68	2730	1740	0.6	0.052	0.0472	0.174	2.46	5	10	0.5	3	3.27
12	D	681241	30	31	1.00	0.91	397	1010	0.1	0.009	0.0233	0.034	2.54	7	10	0.5	2	2.76
12	D	681242	31	31.7	0.70	0.49	189	1170	0.1	0.007	0.0092	0.034	2.44	5	10	0.5	6	3.27
12	D	681243	31.7	32.4	0.70	0.65	25	799	0.1	0.001	0.005	0.01	2.79	5	10	0.5	2	3.37
12	D	681244	32.4	33.2	0.80	0.97	1220	422	0.1	0.019	0.0109	0.063	4.45	5	10	0.5	2	3.56
12	D	681245	33.2	33.5	0.30	0.43	409	391	0.1	0.012	0.0138	0.045	2.59	5	60	0.5	3	4.73
12	D	681246	33.5	33.9	0.40	0.60	1430	211	0.1	0.033	0.135	0.096	5.32	5	120	0.5	3	6.42
12	E	681247	31	32	1.00	0.98	249	1050	0.1	0.005	0.004	0.008	2.37	27	10	0.5	4	2.93
12	E	681248	32	33	1.00	1.02	464	827	0.1	0.008	0.0229	0.061	2.56	5	10	0.5	2	3.12
12	E	681249	33	33.6	0.60	0.62	1290	1425	0.1	0.024	0.0337	0.121	2.12	5	10	0.5	4	2.56
12	E	681250	33.6	34.3	0.70	0.54	828	1235	0.1	0.012	0.0334	0.073	2.57	5	10	0.5	3	3.03
12	E	681251	34.3	34.75	0.45	0.58	97	658	0.1	0.002	0.0009	0.002	3.79	5	50	0.5	2	4.66
12	E	681252	34.75	35.2	0.45	0.49	48	266	0.1	0.001	0.0223	0.012	5.15	5	90	0.5	2	6.35
12	E	681253	35.2	36.1	0.90	1.17	1430	1070	0.1	0.012	0.0125	0.026	2.19	5	10	0.5	2	2.49
12	F	681254	43.4	44.4	1.00	0.97	146	486	0.1	0.001	0.0021	0.007	3.96	5	20	0.5	2	6.66
12	F	681255	44.4	45.4	1.00	0.95	95	129	0.1	0.003	0.146	0.272	10.2	5	90	0.5	2	6.16

0.5	40	108	9.72	0.34	3.38	1380	1	2.22	300	2	0.07	5	168	0.72	317	10	74
0.5	40	21	9.74	0.25	2.72	1400	1	1.93	180	3	0.06	5	166	0.72	523	10	65
0.5	43	20	10.25	0.26	2.82	1480	1	1.99	160	2	0.05	5	150	0.8	589	10	67
0.5	39	136	9.45	0.22	3.61	1380	1	2.21	320	6	0.09	5	168	0.8	284	10	87
0.5	49	16	10.85	0.3	2.9	1550	1	1.91	170	2	0.11	5	136	0.89	662	10	76
0.5	43	15	9.67	0.26	2.69	1370	1	1.8	160	2	0.14	5	128	0.79	573	10	66
0.5	31	18	6.92	0.19	2.33	980	2	2.57	70	4	0.06	5	179	0.56	272	10	57
0.5	34	21	7.28	0.21	2.35	986	3	2.42	50	5	0.06	5	171	0.53	263	10	50
0.5	54	52	10.5	0.22	3.92	1500	4	1.74	480	5	0.13	5	106	0.63	351	10	68
0.5	36	66	7.47	0.2	2.9	1130	1	2.39	160	2	0.06	5	155	0.47	240	10	55
0.5	44	83	8.71	0.23	4	1340	1	2.01	180	2	0.07	5	121	0.35	203	10	66
0.5	40	94	8.15	0.2	3.98	1360	1	1.81	140	2	0.03	5	120	0.4	222	10	66
0.5	47	84	9.47	0.22	4.09	1630	1	1.56	220	2	0.05	5	95	0.46	252	10	78
0.5	43	87	9.5	0.19	4.22	1650	1	1.78	140	2	0.01	5	120	0.57	279	10	78
0.5	44	77	9.21	0.21	3.93	1580	1	1.96	230	2	0.02	5	123	0.45	233	10	81
0.5	44	77	9.68	0.21	3.78	1610	1	1.86	110	2	0.01	5	108	0.4	203	10	87
0.5	45	67	9.7	0.22	3.65	1690	2	1.88	260	3	0.04	5	121	0.58	206	10	78
0.5	39	74	7.97	0.27	3.48	1410	1	2.08	260	2	0.07	5	138	0.44	181	10	66
0.5	127	1350	19.2	0.03	10.1	2930	1	0.12	120	5	0.28	5	3	0.62	335	10	150
0.5	123	1315	19.8	0.03	10.25	2980	1	0.12	130	2	0.07	5	3	0.65	385	10	157
0.5	134	1450	20.3	0.02	10.55	2760	1	0.09	110	6	0.04	5	6	0.65	483	10	140
0.5	132	1245	18.5	0.02	9.72	2220	1	0.06	110	6	0.11	5	7	0.47	371	10	124
0.5	124	1460	18.75	0.03	10.75	2520	1	0.11	210	3	0.16	5	3	0.59	426	10	133
0.5	110	1500	17.75	0.02	11.05	3140	1	0.07	110	3	0.1	5	1	0.53	414	10	141
0.5	80	398	16.2	0.43	5.91	1970	2	0.96	280	10	0.19	5	65	1.09	189	10	100
0.5	78	742	15.85	0.91	6	1700	4	0.8	230	3	0.04	5	32	0.66	295	10	98
0.5	79	168	15.3	0.55	3.93	1390	1	1.53	70	10	0.14	5	132	0.37	235	10	91
0.5	117	1375	19.7	0.03	9.92	2610	1	0.13	130	9	0.01	5	2	0.76	625	10	113
0.5	115	1610	18.7	0.02	10.15	2580	1	0.11	150	3	0.09	5	3	0.53	374	10	120
0.5	107	1410	18.2	0.04	10.2	2840	1	0.17	130	4	0.05	5	3	0.55	409	10	135
0.5	105	1265	18.65	0.04	9.76	2840	1	0.13	250	2	0.09	5	4	0.63	395	10	134
0.5	106	1200	17.1	0.06	9.46	2430	1	0.22	280	8	0.1	5	5	0.56	327	10	134
0.5	145	1570	20.1	0.02	9.71	3130	1	0.06	180	6	0.57	5	1	0.64	398	10	149
0.5	127	914	16.05	0.06	9.46	2410	1	0.2	160	2	0.37	5	6	0.56	384	10	155
0.5	171	1450	18.05	0.03	9.96	2420	1	0.1	110	2	0.73	6	4	0.59	392	10	153
0.5	134	1340	19	0.02	10.55	2600	1	0.08	120	2	0.09	5	4	0.6	430	10	140
0.5	134	1850	19.5	0.02	10.3	2380	1	0.08	150	2	0.14	5	5	0.7	581	10	129
0.5	115	1610	16.85	0.04	10.1	2400	1	0.15	120	2	0.02	5	5	0.67	516	10	136
0.5	122	1320	17.2	0.08	8.67	1810	6	0.21	460	2	0.18	5	6	0.58	428	10	141
0.5	100	1230	14.8	0.35	8.63	2330	1	0.22	700	2	0.12	6	8	0.49	404	10	132
0.5	85	220	14.4	0.65	4.91	1580	1	1.1	410	2	0.18	5	65	0.37	251	10	92
0.5	134	1310	18.6	0.02	10.3	2450	1	0.06	150	2	0.08	5	5	0.52	435	10	124
0.5	134	1650	18	0.03	9.94	2370	1	0.13	230	2	0.11	5	4	0.85	648	10	122
0.5	161	1510	18.4	0.02	10.1	2880	1	0.08	120	2	0.63	5	2	0.67	544	10	134
0.5	131	1590	16.05	0.03	10.4	2980	1	0.11	120	2	0.39	5	3	0.57	404	10	144
0.5	102	987	14.95	0.27	8.2	2360	1	0.42	150	2	0.1	5	9	0.56	287	10	118
0.5	96	1120	15.65	0.58	5.68	1900	1	0.81	30	2	0.01	5	17	1.3	394	10	112
0.5	141	1600	19.45	0.02	10.35	2980	1	0.07	160	2	0.45	5	2	0.62	493	10	135
0.5	89	1030	13.55	0.15	7.81	2130	1	0.38	160	2	0.1	5	9	0.81	440	10	129
0.5	40	95	6.66	0.26	2.09	972	1	3.03	150	2	0.14	5	210	0.48	163	10	84

12	F	681256	45.4	46.4	1.00	1.03	53	90	0.1	0.001	0.0034	0.007	10.5	5	70	0.5	2	6.61
12	F	681257	46.4	47.2	0.80	0.79	104	95	0.1	0.001	0.0012	0.006	10.15	7	100	0.5	2	6.91
12	F	681258	47.2	48	0.80	0.89	31	97	0.1	0.001	0.0025	0.01	9.64	5	100	0.5	2	5.05
12	F	681259	48	48.2	0.20	0.25	44	112	0.1	0.001	0.0049	0.006	8.98	5	70	0.5	2	6.99
12	G	681260	46.7	47.4	0.70	0.28	171	238	0.1	0.005	0.339	0.146	10.8	14	80	0.5	2	6.92
12	G	681261	47.4	48	0.60	0.67	136	114	0.1	0.001	0.0045	0.004	8.42	5	50	0.5	2	7.44
12	G	681262	48	48.8	0.80	0.85	170	114	0.1	0.003	0.0047	0.004	8.29	11	60	0.5	2	7.37
12	G	681263	48.8	49.6	0.80	0.84	103	141	0.1	0.002	0.0058	0.005	8.3	5	80	0.5	2	7.47
12	G	681264	49.6	50.4	0.80	0.73	93	120	0.1	0.002	0.0054	0.004	8.25	12	80	0.5	2	7.13
12	G	681265	50.4	51.1	0.70	0.74	220	116	0.1	0.007	0.0053	0.004	7.89	5	90	0.5	2	6.79
12	G	681266	51.1	52	0.90	0.96	42	60	0.1	0.001	0.0027	0.003	9.62	5	100	0.5	2	6.78
12	G	681267	52	53	1.00	1.00	55	63	0.1	0.002	0.0051	0.008	10.5	5	100	0.5	2	7.36
12	G	681268	53	54	1.00	1.00	112	88	0.1	0.001	0.0049	0.002	10.8	8	80	0.5	2	7.91
12	G	681269	54	55	1.00	1.11	139	85	0.1	0.002	0.0038	0.007	10.25	5	70	0.5	2	7.29
12	G	681270	55	56	1.00	1.00	315	132	0.1	0.011	0.0478	0.073	9.83	13	90	0.5	2	6.81
12	G	681271	56	57	1.00	1.02	329	205	0.1	0.006	0.0376	0.077	9.73	5	110	0.5	2	6.36
12	G	681272	57	58	1.00	0.95	185	133	0.1	0.003	0.0311	0.045	9.89	6	100	0.5	2	6.5
12	G	681273	58	59	1.00	0.99	632	203	0.1	0.008	0.023	0.044	9.23	5	90	0.5	2	6.07
12	G	681274	59	59.6	0.60	0.60	164	125	0.1	0.01	0.0434	0.047	9.37	8	110	0.5	2	6.06
12	G	681275	59.6	60.1	0.50	0.52	119	106	0.1	0.007	0.037	0.021	9.46	5	150	0.5	6	6.06
12	H	681276	49.6	50.4	0.80	0.90	142	122	0.1	0.002	0.0057	0.005	7.92	5	70	0.5	2	6.8
12	H	681277	50.4	51.2	0.80	0.64	106	112	0.1	0.001	0.0055	0.005	7.84	5	80	0.5	2	6.93
12	H	681278	51.2	51.9	0.70	0.74	111	112	0.1	0.002	0.0047	0.004	8.1	5	70	0.5	2	7.31
12	H	681279	51.9	52.3	0.40	0.41	166	104	0.1	0.002	0.0044	0.004	8.02	5	70	0.5	2	7.2
12	H	681280	52.3	53	0.70	0.72	96	68	0.1	0.002	0.0022	0.002	10.1	5	100	0.5	2	7.73
12	H	681281	53	54	1.00	0.66	81	75	0.1	0.001	0.0021	0.002	8.94	5	150	0.5	2	6.77
12	H	681282	54	55	1.00	0.60	92	76	0.1	0.001	0.0022	0.003	9.61	5	130	0.5	2	6.71
12	H	681283	55	56	1.00	0.93	234	123	0.1	0.005	0.0291	0.04	9.98	5	120	0.5	2	6.93
12	H	681284	56	57	1.00	0.94	383	116	0.1	0.016	0.0352	0.052	8.18	10	140	0.5	2	5.26
12	H	681285	57	58	1.00	1.00	252	116	0.1	0.005	0.0378	0.047	9.71	5	130	0.5	2	6.41
12	H	681286	58	59	1.00	0.95	412	205	0.1	0.003	0.0386	0.022	9.78	5	150	0.5	2	6.18
12	H	681287	59	60	1.00	1.05	675	440	0.1	0.005	0.0339	0.05	8.69	5	150	0.5	2	6.14
12	H	681288	60	60.6	0.60	0.58	868	323	0.1	0.004	0.0397	0.025	9.62	5	230	0.5	2	5.58
12	H	681289	60.6	61.2	0.60	0.65	867	388	0.1	0.008	0.0547	0.077	9.75	5	270	0.5	2	5.38
12	H	681290	61.2	61.8	0.60	0.56	527	314	0.1	0.005	0.0609	0.042	9.48	5	260	0.5	2	5.72
12	H	681291	61.8	62.3	0.50	0.56	812	504	0.1	0.022	0.0388	0.117	7.61	5	240	0.5	3	4.25
12	H	681292	62.3	62.9	0.60	0.62	607	267	0.1	0.012	0.0256	0.021	7.51	5	120	0.5	2	5.22
12	H	681293	62.9	63.7	0.80	0.88	437	342	0.1	0.006	0.0501	0.014	8.58	5	80	0.5	2	5.15
12	H	681294	63.7	64.5	0.80	0.82	275	257	0.1	0.005	0.0112	0.019	8.9	5	70	0.5	2	5.43
12	H	681295	64.5	65.3	0.80	0.85	223	219	0.1	0.001	0.006	0.005	9.76	7	90	0.6	2	5.87
12	H	681296	65.3	66.1	0.80	0.86	187	317	0.1	0.001	0.0157	0.005	9.4	16	100	0.5	2	5.59
12	H	681297	66.1	66.9	0.80	0.77	338	257	0.1	0.001	0.0101	0.006	9.96	10	130	0.5	2	5.5
12	H	681298	66.9	67.7	0.80	0.82	490	519	0.1	0.002	0.0542	0.011	10.3	5	110	0.5	2	6.04
12	H	681299	67.7	68.4	0.70	1.14	326	448	0.1	0.004	0.027	0.02	10.75	9	150	0.5	2	6.57
12	H	681300	68.4	69.2	0.80	0.75	382	524	0.1	0.004	0.0147	0.019	9.99	26	100	0.5	2	7.31
12	H	681301	69.2	70	0.80	0.83	380	451	0.1	0.004	0.0149	0.041	10.1	5	80	0.5	2	6.02
12	H	681302	70	70.8	0.80	0.78	369	428	0.1	0.004	0.0197	0.053	10.15	12	90	0.5	2	6.43
12	H	681303	70.8	71.6	0.80	0.81	271	334	0.1	0.004	0.0256	0.051	10.05	6	90	0.5	2	6.64
12	H	681304	71.6	72.3	0.70	0.74	1430	670	0.5	0.124	0.015	0.218	10.65	5	110	0.5	3	6.96
12	H	681305	72.3	72.8	0.50	0.62	1280	231	0.5	0.026	0.0142	0.099	10.15	5	80	0.5	2	6.56

0.5	31	74	6.1	0.19	2.09	947	1	2.97	450	4	0.05	5	203	0.39	149	10	66
0.5	33	69	6.04	0.31	2.05	947	1	2.77	350	3	0.07	5	204	0.45	183	10	70
0.5	38	62	7.56	0.34	2.34	1300	1	3.04	440	2	0.04	5	189	0.48	187	10	85
0.5	44	207	9.1	0.3	4.16	1590	1	2.24	410	2	0.01	5	120	0.52	273	10	85
0.5	63	62	7.47	0.21	2.36	1190	8	2.75	570	3	0.25	5	198	0.64	165	10	66
0.5	45	198	8.54	0.21	4.5	1490	1	1.66	320	2	0.09	5	101	0.52	286	10	68
0.5	44	210	8.69	0.23	4.66	1530	1	1.77	290	4	0.05	5	127	0.54	296	10	61
0.5	48	312	9.22	0.33	5.27	1640	1	1.75	250	2	0.04	5	116	0.53	297	10	75
0.5	46	229	8.79	0.3	4.72	1510	1	1.77	290	2	0.03	5	124	0.51	285	10	65
0.5	46	221	9	0.36	4.42	1660	1	1.72	380	2	0.04	6	104	0.52	289	10	71
0.5	36	83	7.54	0.28	2.57	1360	1	2.25	360	2	0.04	5	170	0.52	228	10	62
0.5	33	70	8.01	0.29	2.5	1420	1	2.35	340	2	0.05	7	181	0.66	333	10	60
0.5	41	28	8.99	0.28	2.55	1480	1	2.26	370	3	0.09	5	190	0.86	557	10	66
0.5	40	21	8.49	0.27	2.64	1340	1	2.28	290	2	0.15	5	169	0.84	476	10	66
0.5	44	49	8.9	0.34	3.11	1370	1	2.35	440	4	0.19	5	162	0.8	207	10	69
0.5	57	65	8.8	0.42	2.97	1430	4	2.2	700	4	0.47	5	152	0.92	196	10	65
0.5	45	99	9.41	0.44	3.19	1640	3	1.95	430	6	0.22	5	139	1.13	204	10	62
0.5	57	82	9.4	0.39	2.7	1470	5	1.84	620	3	0.61	5	143	0.95	260	10	63
0.5	39	46	9.06	0.44	3.08	1530	1	1.91	220	2	0.16	8	161	0.76	173	10	71
0.5	35	66	9.92	0.55	2.86	1730	2	2	480	2	0.07	6	158	1.24	249	10	72
0.5	45	234	8.52	0.29	4.62	1550	1	1.98	270	2	0.03	5	123	0.5	268	10	71
0.5	46	235	8.46	0.29	4.69	1580	1	1.94	280	2	0.01	5	115	0.52	280	10	71
0.5	46	229	8.7	0.26	4.72	1655	1	2.01	300	2	0.04	5	115	0.55	290	10	85
0.5	46	194	8.63	0.27	4.36	1655	1	1.98	310	2	0.05	5	114	0.53	272	10	90
0.5	43	59	8.33	0.35	2.74	1520	1	2.26	400	2	0.08	5	187	0.76	317	10	74
0.5	39	23	7.84	0.63	2.38	1410	1	1.96	270	2	0.07	5	164	0.79	413	10	74
0.5	37	12	8.16	0.54	2.39	1345	1	2.26	260	2	0.1	5	173	0.79	402	10	59
0.5	51	33	8.31	0.49	2.76	1350	1	2.26	310	2	0.23	5	167	0.78	196	10	63
0.5	51	56	9.02	0.55	2.66	1290	4	2.02	540	2	0.18	5	114	0.88	183	10	64
0.5	49	51	8.83	0.48	2.85	1455	1	2.23	340	2	0.19	5	149	1.07	176	10	66
0.5	61	59	8.89	0.52	2.21	1360	3	2.37	390	2	0.5	5	158	1.23	197	10	58
0.5	119	73	11.55	0.61	3.14	1425	1	1.8	990	2	1.26	5	98	0.45	374	10	77
0.5	82	58	9.96	0.78	2.36	1210	1	2.42	410	2	0.74	5	150	0.81	341	10	69
0.5	99	45	10.7	0.81	2.21	1350	1	2.43	590	2	1.21	5	144	1.03	308	10	75
0.5	79	40	11	0.76	2.33	1300	4	2.29	2230	2	0.84	5	139	0.76	331	10	68
0.5	131	37	13.55	0.62	2.07	1295	2	1.55	1090	2	1.94	5	95	0.61	261	10	61
0.5	64	96	14.4	0.52	3.07	1905	1	1.37	270	2	0.35	8	71	0.72	188	10	83
0.5	56	68	10.3	0.37	2.65	1480	1	1.91	920	2	0.4	5	93	0.76	226	10	61
0.5	46	57	8.76	0.33	2.67	1580	1	2.24	590	2	0.23	5	120	0.86	227	10	63
0.5	42	65	8.55	0.39	2.72	1670	3	2.44	570	2	0.09	6	140	1.03	238	10	68
0.5	49	77	9.39	0.46	2.87	1705	1	2.12	650	2	0.21	5	121	0.99	215	10	69
0.5	41	60	8.66	0.57	2.57	1385	2	2.81	670	2	0.27	5	137	0.82	190	10	67
0.5	65	51	7.95	0.46	2.11	1165	2	3.01	650	2	0.58	5	146	0.73	177	10	63
0.5	60	49	7.44	0.58	1.98	1165	1	3.05	730	2	0.41	5	178	0.84	198	10	65
0.5	69	47	8.22	0.43	2.02	1165	2	2.34	2050	2	0.66	7	163	0.79	332	10	59
0.5	62	56	7.35	0.35	1.93	919	1	2.87	580	2	0.69	5	147	0.27	135	10	55
0.5	62	77	8.08	0.43	2.51	1070	1	2.37	710	2	0.57	5	143	0.13	110	10	58
0.5	53	60	7.78	0.51	2.53	1130	1	2.08	570	2	0.37	6	136	0.29	136	10	53
0.5	114	23	7.66	0.61	1.62	811	1	2.6	1860	2	1.66	5	183	0.25	222	10	44
0.5	62	42	8.7	0.49	2.46	1175	1	2.35	1260	2	0.54	5	147	0.07	327	10	51

12	H	681306	72.8	73.5	0.70	0.73	621	226	0.1	0.032	0.119	0.086	8.51	5	180	0.5	3	6.71
12	H	681307	73.5	74.2	0.70	0.74	1600	212	0.8	0.023	0.0369	0.08	8.4	5	170	0.5	2	5.89
12	H	681308	74.2	74.8	0.60	0.65	878	140	0.5	0.023	0.145	0.107	7.8	6	80	0.5	2	6.88
12	H	681309	74.8	75.7	0.90	0.86	60	118	0.1	0.003	0.0216	0.077	7.86	5	50	0.5	2	6.84
12	H	681310	75.7	76.6	0.90	0.80	115	145	0.1	0.005	0.138	0.16	7.81	5	40	0.5	2	6.21
12	H	681311	76.6	77.5	0.90	0.94	197	221	0.1	0.006	0.0634	0.117	8.7	15	40	0.5	2	6.96
12	H	681312	77.5	78.5	1.00	0.96	42	121	0.1	0.002	0.0589	0.013	8.22	5	50	0.5	2	6.74
12	H	681313	78.5	79.3	0.80	0.85	52	121	0.1	0.002	0.0313	0.034	8.82	5	60	0.5	2	6.79
12	H	681314	79.3	80	0.70	0.65	23	95	0.1	0.001	0.005	0.004	8.73	17	50	0.5	2	6.78
12	H	681315	80	81	1.00	0.98	12	92	0.1	0.001	0.0046	0.005	8.73	6	30	0.5	2	7.25
12	H	681316	81	82	1.00	1.07	34	88	0.1	0.003	0.0046	0.006	8.4	5	40	0.5	2	7.11
12	H	681317	82	83	1.00	1.03	15	74	0.1	0.001	0.0042	0.005	7.91	5	40	0.5	2	6.6
12	H	681318	83	84	1.00	0.82	14	85	0.1	0.004	0.0611	0.343	8.39	6	40	0.5	2	6.71
12	H	681319	84	85	1.00	0.66	365	179	0.1	0.034	0.0682	0.225	8.84	5	40	0.5	2	7.21
12	H	681320	85	86	1.00	0.99	1875	451	0.5	0.055	0.125	0.247	8.23	6	30	0.5	2	6.5
12	H	681321	86	87	1.00	1.06	271	132	0.1	0.005	0.0053	0.015	8.76	8	40	0.5	2	6.85
12	H	681322	87	87.7	0.70	0.69	448	187	0.1	0.009	0.0268	0.03	8.2	5	50	0.5	2	6.3
12	H	681323	87.7	88.4	0.70	0.65	65	79	0.1	0.008	0.0034	0.01	8.6	5	40	0.5	2	7.19
12	J	681324	61.5	62.4	0.90	0.80	183	247	0.1	0.002	0.13	0.012	9.23	5	100	0.5	2	5.59
12	J	681325	62.4	63.2	0.80	0.77	199	341	0.1	0.001	0.0748	0.007	10.85	5	70	0.5	2	6.23
12	J	681326	63.2	64	0.80	0.82	285	465	0.1	0.002	0.211	0.015	10.15	5	60	0.5	2	6.14
12	J	681327	64	65	1.00	1.01	169	299	0.1	0.001	0.139	0.013	9.67	8	70	0.5	2	5.56
12	J	681328	65	66	1.00	1.05	350	561	0.1	0.002	0.0682	0.015	10.35	64	70	0.5	2	6.14
12	J	681329	66	66.7	0.70	0.68	174	369	0.1	0.001	0.0056	0.003	10.8	62	90	0.5	2	5.95
12	J	681330	66.7	67.4	0.70	0.73	427	470	0.1	0.003	0.0172	0.01	10.55	78	80	0.5	2	5.7
12	J	681331	67.4	68.2	0.80	0.74	711	727	0.1	0.004	0.0242	0.007	11.65	33	100	0.5	2	6.9
12	J	681332	68.2	69	0.80	0.68	295	480	0.1	0.002	0.0519	0.028	11.35	74	110	0.5	2	6.32
12	J	681333	69	69.8	0.80	0.84	260	417	0.1	0.002	0.0145	0.011	11.25	34	100	0.5	2	7.02
12	J	681334	69.8	70.6	0.80	0.82	241	382	0.1	0.003	0.0135	0.018	10.5	20	80	0.5	2	6.09
12	J	681335	70.6	71.4	0.80	0.93	296	456	0.1	0.003	0.0152	0.032	11.55	34	80	0.5	2	6.82
12	J	681336	71.4	72.2	0.80	0.84	173	233	0.1	0.002	0.0244	0.025	10.3	9	90	0.5	2	6.29
12	J	681337	72.2	72.8	0.80	0.55	294	261	0.1	0.003	0.0127	0.025	10.2	21	90	0.5	2	6.43
12	J	681338	72.8	73.4	0.60	0.71	214	170	0.1	0.002	0.0123	0.025	10.8	10	90	0.5	2	7.21
12	J	681339	73.4	74.2	0.80	0.96	536	244	0.1	0.075	0.204	0.251	9.34	5	90	0.5	3	6.02
12	J	681340	74.2	74.9	0.70	0.70	438	241	0.1	0.01	0.0547	0.103	9.53	5	90	0.5	2	5.86
12	J	681341	74.9	75.6	0.70	0.78	36	112	0.1	0.004	0.0398	0.019	8.91	8	50	0.5	2	6.07
12	J	681342	75.6	76.4	0.80	0.78	507	189	0.1	0.015	0.199	0.373	8.02	8	40	0.5	2	6.56
12	J	681343	76.4	77.2	0.80	0.84	1575	313	0.6	0.055	0.193	0.379	8.48	15	70	0.5	2	6.19
12	J	681344	77.2	77.9	0.70	0.72	668	123	0.1	0.153	0.0041	0.186	7.75	5	50	0.5	3	6.35
12	J	681345	77.9	78.6	0.70	0.64	108	113	0.1	0.003	0.0025	0.009	8.24	5	50	0.5	2	6.67
12	K	681346	71.6	72.3	0.70	0.67	906	373	0.1	0.044	0.0148	0.17	10.5	8	100	0.5	2	5.89
12	K	681347	72.3	72.8	0.50	0.56	955	144	0.1	0.059	0.0124	0.196	9.28	5	200	0.5	2	4.54
12	K	681348	72.8	73.5	0.70	0.81	342	144	0.1	0.014	0.152	0.11	8.61	5	100	0.5	2	6.97
12	K	681349	73.5	74.2	0.70	0.71	2650	152	1.3	0.022	0.0427	0.042	7.95	5	210	0.5	3	6.35
12	K	681350	74.2	74.8	0.60	0.58	33	128	0.1	0.001	0.0031	0.005	7.81	6	80	0.5	2	6.54
12	K	681351	74.8	75.6	0.80	0.76	654	198	0.1	0.036	0.436	0.75	7.28	5	70	0.5	2	6.59
13	A	681352	0	1	1.00	1.07	50	80	0.1	0.003	0.014	0.005	10.3	11	240	0.5	2	7.43
13	A	681353	1	2	1.00	0.96	74	53	0.1	0.002	0.0094	0.002	10.2	18	120	0.5	2	7.65
13	A	681354	2	3	1.00	1.11	53	53	0.1	0.002	0.0093	0.006	11.25	6	150	0.5	2	7.87
13	A	681355	3	4	1.00	1.00	41	49	0.1	0.004	0.0158	0.014	11.2	5	110	0.5	2	7.75

13	A	681356	4	5	1.00	1.00	45	54	0.1	0.008	0.0132	0.04	10.7	13	90	0.5	2	7.46
13	A	681357	5	6	1.00	1.01	54	52	0.1	0.036	0.0081	0.028	10.35	5	90	0.5	2	7.32
13	A	681358	6	7	1.00	1.01	36	59	0.1	0.007	0.0061	0.006	10.9	20	90	0.5	2	7.79
13	A	681359	7	8	1.00	1.14	16	54	0.1	0.001	0.003	0.002	10.6	5	80	0.5	2	7.77
13	A	681360	8	9	1.00	1.00	82	56	0.1	0.002	0.0052	0.003	10.45	11	100	0.5	2	7.67
13	A	681361	9	10	1.00	1.00	57	53	0.1	0.002	0.0033	0.002	10.55	5	110	0.5	2	7.56
13	A	681362	10	11	1.00	1.20	45	39	0.1	0.001	0.0021	0.002	11.1	5	110	0.5	2	7.22
13	A	681363	11	12	1.00	1.00	48	49	0.1	0.003	0.0035	0.003	10.55	8	130	0.5	2	7.11
13	A	681364	12	13	1.00	1.01	111	65	0.1	0.003	0.0027	0.002	10.1	5	100	0.5	2	7.15
13	A	681365	13	14	1.00	0.48	128	43	0.1	0.003	0.0023	0.002	8.28	7	50	0.5	2	6.76
13	A	681366	14	15	1.00	0.77	56	99	0.1	0.001	0.001	0.001	6.97	5	200	0.5	2	5.69
13	A	681367	15	16	1.00	0.99	87	45	0.1	0.003	0.0017	0.002	8.46	6	60	0.5	2	6.84
13	A	681368	16	17	1.00	1.02	77	41	0.1	0.006	0.0017	0.002	8.2	6	60	0.5	2	6.36
13	A	681369	17	18	1.00	0.95	44	46	0.1	0.02	0.0017	0.002	8.37	5	50	0.5	2	7.23
13	A	681370	18	19	1.00	1.16	28	48	0.1	0.002	0.002	0.002	8.41	5	80	0.5	2	6.81
13	A	681371	19	20	1.00	1.05	187	57	0.1	0.004	0.0016	0.001	8.34	5	70	0.7	2	6.54
13	A	681372	20	20.8	0.80	0.76	214	54	0.1	0.002	0.001	0.001	9.21	7	70	0.8	2	8.13
13	A	681373	20.8	21.6	0.80	0.82	291	76	0.1	0.002	0.001	0.001	7.91	5	70	0.5	2	7.3
13	A	681374	21.6	22.4	0.80	0.89	95	42	0.1	0.001	0.001	0.001	9.92	5	110	0.6	2	6.3
13	A	681375	22.4	23.3	0.90	0.83	179	48	0.1	0.005	0.001	0.031	9.68	9	110	0.7	2	6.33
13	A	681376	23.3	24.4	1.10	1.08	47	39	0.1	0.001	0.001	0.001	8.93	5	270	0.5	2	5.69
13	A	681377	24.4	25.2	0.80	0.81	164	39	0.1	0.012	0.0007	0.014	10.6	5	230	0.7	2	5.23
13	A	681378	25.2	26	0.80	0.77	243	55	0.1	0.005	0.0013	0.001	9.45	11	110	0.7	2	7
13	A	681379	26	27	1.00	0.95	627	93	0.1	0.012	0.0031	0.003	10.1	5	130	0.5	2	6.83
13	B	681380	15	16	1.00	1.00	75	44	0.1	0.002	0.002	0.001	10.1	5	60	0.5	2	7.61
13	B	681381	16	17	1.00	1.03	106	49	0.1	0.002	0.0023	0.002	10.15	12	70	0.5	2	7.76
13	B	681382	17	18	1.00	0.93	71	45	0.1	0.002	0.0019	0.002	9.89	5	70	0.5	2	7.44
13	B	681383	18	19	1.00	1.01	123	45	0.1	0.002	0.0019	0.002	9.42	6	60	0.5	2	7.31
13	B	681384	19	19.9	0.90	0.72	105	63	0.1	0.002	0.001	0.001	8.64	12	40	0.5	2	8.98
13	B	681385	19.9	20.5	0.60	0.75	140	44	0.1	0.001	0.001	0.001	6.76	7	20	0.5	2	11.65
13	B	681386	20.5	21	0.50	0.55	63	57	0.1	0.001	0.0011	0.001	8.49	5	20	0.8	2	10.7
13	B	681387	21	22	1.00	0.98	138	70	0.1	0.001	0.001	0.003	7.68	5	30	0.5	2	7.94
13	B	681388	22	22.9	0.90	0.81	60	63	0.1	0.001	0.0008	0.005	8.58	5	60	0.5	2	6.43
13	C	681389	19.3	20	0.70	0.94	46	49	0.1	0.001	0.002	0.002	10.05	13	80	0.5	2	7.68
13	C	681390	20	20.9	0.90	0.97	18	57	0.1	0.001	0.0023	0.002	9.5	9	80	0.5	2	8.04
13	C	681391	20.9	21.6	0.70	0.74	189	76	0.1	0.001	0.0007	0.001	7.72	10	50	0.5	2	8.55
13	C	681392	21.6	22.4	0.80	0.81	990	31	0.1	0.026	0.001	0.001	9.69	10	80	0.5	2	9.57
13	C	681393	22.4	23	0.60	0.62	528	43	0.1	0.016	0.0017	0.007	9.96	9	120	0.5	2	6.48
13	C	681394	23	24	1.00	1.07	257	63	0.1	0.005	0.0034	0.003	9.23	5	60	0.5	2	7.64
13	C	681395	24	25	1.00	0.85	143	57	0.1	0.003	0.002	0.001	9.36	10	60	0.5	2	7.66
13	C	681396	25	26	1.00	0.96	121	49	0.1	0.001	0.0023	0.003	8.46	6	50	0.5	2	6.89
13	C	681397	26	26.9	0.90	0.85	80	69	0.1	0.001	0.0035	0.003	8.89	5	50	0.5	2	6.81
13	D	681398	24.6	25.4	0.80	0.81	51	51	0.1	0.001	0.0026	0.002	8.62	11	70	0.5	2	5.9
13	D	681399	25.4	26.2	0.80	0.80	107	62	0.1	0.002	0.0023	0.003	8.45	6	60	0.5	2	6.22
13	D	681400	26.2	27	0.80	0.77	74	58	0.1	0.001	0.003	0.004	9.11	7	70	0.5	2	6.28
13	D	681401	27	28	1.00	1.00	34	53	0.1	0.001	0.0029	0.003	8.44	5	60	0.5	2	6.97
13	D	681402	28	28.5	0.50	0.53	25	41	0.1	0.001	0.003	0.003	7.98	5	60	0.5	2	6.74
13	D	681403	28.5	29	0.50	1.00	30	43	0.1	0.001	0.0017	0.003	8.19	5	70	0.5	2	6.59
13	D	681404	29	30	1.00	0.81	14	47	0.1	0.001	0.0027	0.004	8.26	5	50	0.5	2	7.39
13	D	681405	30	31	1.00	0.75	109	53	0.1	0.041	0.0137	0.037	9.69	5	70	0.5	3	6.9

0.5	32	20	6.88	0.21	2.37	1100	1	2.28	180	13	0.03	5	199	0.47	228	10	59
0.5	32	21	6.9	0.19	2.47	1100	1	2.04	210	13	0.05	5	178	0.42	233	10	61
0.5	33	20	7.52	0.18	2.68	1200	1	2.21	220	17	0.03	5	180	0.47	254	10	62
0.5	36	25	7.92	0.2	2.79	1260	1	2.08	210	17	0.01	5	176	0.46	288	10	66
0.5	40	25	8.32	0.23	2.87	1320	1	2.06	180	19	0.04	5	184	0.5	307	10	72
0.5	36	21	7.8	0.28	2.43	1250	1	2	230	14	0.01	5	209	0.55	302	10	68
0.5	27	12	6.26	0.23	1.92	1080	1	2.45	150	23	0.01	7	243	0.62	269	10	66
0.5	38	22	8.91	0.3	2.68	1580	1	1.74	280	16	0.01	5	179	0.61	359	10	87
0.5	45	25	9.64	0.31	2.84	1650	1	1.75	220	15	0.05	5	172	0.54	348	10	91
0.5	40	22	8.06	0.21	2.49	1280	1	1.59	240	2	0.08	5	147	0.47	303	10	72
0.5	38	160	8.2	0.55	3.22	1260	1	1.61	370	2	0.02	5	148	0.69	187	10	82
0.5	39	23	8.01	0.22	2.51	1250	1	1.78	190	2	0.09	5	162	0.5	319	10	69
0.5	38	22	8.04	0.22	2.46	1250	1	1.87	220	2	0.07	5	146	0.48	308	10	67
0.5	37	21	8.51	0.22	2.58	1360	1	1.72	230	2	0.03	5	134	0.5	341	10	78
0.5	36	22	8.05	0.26	2.6	1330	1	1.75	200	2	0.01	5	140	0.53	347	10	72
0.5	38	16	8.43	0.26	2.28	1220	3	1.87	320	2	0.13	5	128	0.41	255	10	70
0.5	38	9	8.42	0.23	1.7	1170	7	1.46	70	4	0.22	5	198	0.24	158	10	61
0.5	55	6	12.85	0.37	2.7	1600	19	1.12	30	2	0.29	5	78	0.32	268	10	103
0.5	24	3	7.62	0.3	1.98	1355	6	3.21	190	2	0.03	6	177	0.68	218	10	74
0.5	31	12	8.42	0.29	2.16	1385	10	2.83	610	4	0.12	5	190	0.96	355	10	70
0.5	35	82	8.66	0.69	3	1190	1	2.46	1100	2	0.03	5	139	0.75	216	10	74
0.5	29	26	7.88	0.56	2.25	1005	4	3.37	600	2	0.03	5	226	0.52	255	10	69
0.5	45	68	10.4	0.41	3.2	1410	1	2.29	980	2	0.2	5	132	0.94	394	10	82
0.5	67	27	12.05	0.45	3.34	1685	1	1.96	550	2	0.45	5	119	0.99	514	10	91
0.5	40	21	8.85	0.29	2.79	1295	1	2.07	220	2	0.05	5	191	0.55	329	10	70
0.5	41	19	8.92	0.28	2.84	1335	1	1.88	210	2	0.06	5	173	0.54	333	10	68
0.5	41	20	9.2	0.3	2.8	1375	1	1.97	220	2	0.05	5	154	0.6	358	10	69
0.5	40	19	8.9	0.28	2.61	1295	1	1.79	190	3	0.06	5	143	0.6	372	10	65
0.5	46	11	9.57	0.22	2.44	1310	2	1.45	120	2	0.05	5	131	0.41	279	10	65
0.5	33	5	7.2	0.13	1.45	1010	4	0.74	30	2	0.04	5	151	0.19	99	10	43
0.5	38	5	9.04	0.15	1.66	1205	14	0.61	30	4	0.03	5	192	0.19	170	10	54
0.5	55	5	12.4	0.27	2.22	1440	19	0.95	40	2	0.13	5	109	0.35	274	10	74
0.5	50	10	13.05	0.41	2	1450	28	1.75	710	2	0.07	5	91	0.66	287	10	69
0.5	42	20	9.95	0.34	3	1475	1	1.84	210	2	0.01	5	171	0.63	410	10	77
0.5	45	28	10.3	0.35	2.99	1495	1	1.71	160	2	0.01	5	158	0.74	522	10	77
0.5	56	9	13.65	0.31	2.64	1760	8	0.86	40	2	0.04	5	86	0.3	335	10	101
0.5	29	2	6.27	0.19	1.61	1460	2	2.54	50	4	0.09	5	244	0.6	136	10	62
0.5	36	10	7.64	0.31	2.02	1110	1	2.85	460	2	0.06	5	218	0.54	342	10	64
0.5	49	16	10.2	0.27	2.83	1470	1	1.71	160	2	0.1	7	133	0.83	719	10	77
0.5	48	14	10.2	0.27	2.85	1440	1	1.76	190	2	0.05	5	141	0.76	639	10	77
0.5	47	18	10.2	0.26	2.81	1380	1	1.67	330	2	0.12	5	124	0.81	571	10	67
0.5	46	24	9.85	0.25	2.76	1230	15	1.99	480	5	0.09	5	144	0.75	433	10	63
0.5	43	15	10.35	0.36	2.4	1185	2	2.01	170	2	0.05	6	131	0.39	280	10	66
0.5	46	22	10.4	0.27	3.07	1380	1	2.05	350	2	0.04	6	137	0.84	532	10	69
0.5	44	21	9.58	0.31	2.77	1260	1	2.19	420	2	0.06	7	159	0.71	420	10	64
0.5	39	25	9.25	0.25	2.83	1200	1	2.08	390	7	0.02	5	144	0.61	359	10	51
0.5	36	30	8.55	0.21	2.85	1120	1	1.84	90	5	0.01	5	136	0.6	316	10	51
0.5	34	70	8.26	0.24	3.03	1070	1	2.13	880	5	0.01	5	145	0.72	270	10	59
0.5	36	30	8.98	0.22	2.83	1185	1	1.74	270	6	0.01	5	130	0.59	347	10	54
0.5	32	20	6.71	0.2	2.03	1000	1	2.29	200	2	0.06	5	172	0.68	279	10	48

13	D	681406	31	31.7	0.70	0.76	22	43	0.1	0.111	0.0547	0.124	9.99	5	90	0.5	4	6.82
13	D	681407	31.7	32.5	0.80	0.74	15	83	0.1	0.03	0.0083	0.086	8.96	5	80	0.5	2	7.49
13	D	681408	32.5	33.3	0.80	0.76	80	78	0.1	0.023	0.011	0.052	9.15	5	120	0.5	2	7.78
13	D	681409	33.3	34	0.70	0.98	35	103	0.1	0.031	0.0273	0.086	8.84	5	60	0.5	3	7.66
13	D	681410	34	35	1.00	0.98	34	93	0.1	0.002	0.0108	0.003	9.14	5	70	0.5	2	7.27
13	D	681411	35	36	1.00	1.03	210	79	0.1	0.006	0.012	0.002	8.29	5	60	0.5	2	7.51
13	D	681412	36	37	1.00	0.79	60	69	0.1	0.002	0.0045	0.002	8.08	5	60	0.5	2	7.42
13	D	681413	37	37.8	0.80	0.81	766	69	0.1	0.003	0.0014	0.003	8.97	5	70	0.5	2	7.39
13	D	681414	37.8	38.6	0.80	0.84	621	81	0.1	0.002	0.002	0.002	10.1	5	90	0.5	5	7.13
13	D	681415	38.6	39.4	0.80	0.97	53	78	0.1	0.002	0.0019	0.003	8.73	5	60	0.5	2	7.71
13	D	681416	39.4	40.4	1.00	0.80	191	112	0.1	0.007	0.0245	0.056	9.4	8	70	0.5	2	7.14
13	E	681417	41.6	42.4	0.80	0.83	1170	1440	0.5	0.029	0.044	0.155	2.52	5	10	0.5	2	3.34
13	E	681418	42.4	43	0.60	0.84	303	1290	0.1	0.005	0.0083	0.048	2.47	18	10	0.5	3	3.28
13	E	681419	43	43.8	0.80	0.69	222	1030	0.1	0.003	0.0012	0.003	2.82	20	10	0.5	2	2.62
13	E	681420	43.8	44.5	0.70	0.99	174	1010	0.1	0.004	0.0036	0.025	2.61	26	10	0.5	2	2.4
13	F	681421	55	56	1.00	1.14	830	174	0.1	0.014	0.0406	0.102	9.73	5	80	0.5	2	6.42
13	F	681422	56	57	1.00	1.22	115	80	0.1	0.001	0.001	0.001	9.75	5	70	0.5	2	7.4
13	F	681423	57	58	1.00	1.12	57	68	0.1	0.001	0.0014	0.002	10.35	5	70	0.5	2	7.78
13	F	681424	58	59	1.00	1.05	54	70	0.1	0.001	0.0017	0.002	9.88	5	60	0.5	2	7.61
13	F	681425	59	60	1.00	1.12	53	70	0.1	0.001	0.002	0.002	10	5	60	0.5	2	7.59
13	F	681426	60	61	1.00	0.97	42	64	0.1	0.001	0.0023	0.002	9.6	5	60	0.5	2	7.64
13	F	681427	61	62	1.00	1.19	83	63	0.1	0.001	0.0027	0.003	9.36	5	70	0.5	2	7.3
13	F	681428	62	63	1.00	0.93	40	56	0.1	0.001	0.0034	0.004	9.84	5	70	0.5	2	7.23
13	F	681429	63	64	1.00	1.33	90	71	0.1	0.002	0.0181	0.017	9.69	5	80	0.5	2	7.42
13	F	681429A	64	65.1	1.10	?	135	101	0.1	0.004	0.0092	0.004	9.64	5	60	0.5	2	7.47
13	G	681430	67	68	1.00	1.07	110	64	0.1	0.003	0.002	0.002	9.61	5	60	0.5	2	7.5
13	G	681431	68	69	1.00	0.99	137	63	0.1	0.002	0.0027	0.002	9.49	5	60	0.5	2	7.33
13	G	681432	69	70	1.00	1.06	164	112	0.1	0.004	0.0064	0.015	9.71	5	70	0.5	2	7.53
13	G	681433	70	71	1.00	1.04	109	168	0.5	0.009	0.0275	0.037	9.18	5	60	0.5	2	7.19
13	G	681434	71	72	1.00	0.98	203	218	0.1	0.012	0.0327	0.051	9.45	5	70	0.6	2	7.38
13	G	681435	72	73	1.00	0.84	295	207	0.1	0.029	0.0431	0.091	9.58	5	70	0.6	2	7.06
13	G	681436	73	74	1.00	0.99	114	187	0.1	0.002	0.0416	0.05	8.92	5	60	0.5	2	6.11
13	G	681437	74	75	1.00	1.01	115	184	0.1	0.002	0.0456	0.034	8.13	5	50	0.5	2	5.23
13	G	681438	75	76	1.00	0.84	216	183	0.1	0.001	0.0527	0.009	8.13	5	90	0.5	2	5.17
13	G	681439	76	77	1.00	1.05	230	152	0.1	0.003	0.048	0.007	7.79	5	90	0.5	2	4.43
13	G	681440	77	78	1.00	0.97	276	255	0.1	0.001	0.0311	0.007	8.41	5	80	0.5	2	4.91
13	G	681441	78	79	1.00	0.91	330	466	0.1	0.003	0.05	0.026	7.82	5	60	0.5	2	4.91
13	G	681442	79	80	1.00	1.00	132	210	0.1	0.001	0.0225	0.032	8.2	5	70	0.5	2	4.78
13	G	681443	80	81	1.00	1.01	319	367	0.1	0.001	0.035	0.04	8.31	5	50	0.5	2	5.15
13	G	681444	81	82	1.00	1.00	357	407	0.1	0.001	0.0753	0.071	8.02	5	50	0.5	2	4.8
13	G	681445	82	83	1.00	1.03	305	338	0.1	0.001	0.0706	0.038	8.39	5	50	0.5	2	5.43
13	G	681446	83	84	1.00	0.91	140	197	0.1	0.001	0.0779	0.036	8.04	5	60	0.5	2	4.78
13	G	681447	84	85	1.00	0.99	439	424	0.1	0.004	0.0681	0.044	8.23	5	50	0.5	2	5.5
13	G	681448	85	86	1.00	1.06	417	315	0.1	0.013	0.0802	0.055	8.82	7	80	0.5	2	5.28
13	G	681449	86	86.6	0.60	0.61	285	76	0.1	0.003	0.0938	0.015	9.75	5	190	0.5	2	3.57
13	G	681450	86.6	87.1	0.50	0.48	210	244	0.1	0.004	0.0778	0.035	9.34	5	60	0.5	2	5.8
13	H	681451	76.6	77.3	0.70	0.72	258	336	0.1	0.001	0.0613	0.008	8.58	5	50	0.5	2	5.59
13	H	681452	77.3	78	0.70	0.74	239	338	0.1	0.001	0.0692	0.005	8.99	5	50	0.5	2	6.15
13	H	681453	78	79	1.00	1.02	204	263	0.1	0.001	0.074	0.006	8.81	5	40	0.5	2	5.3
13	H	681454	79	80	1.00	0.98	210	273	0.1	0.001	0.0716	0.012	8.57	5	50	0.5	2	5.13

0.5	23	23	5.56	0.22	1.81	909	1	2.78	150	3	0.01	5	207	0.41	184	10	48
0.5	40	59	9.43	0.26	3.75	1520	1	1.9	240	4	0.01	5	126	0.46	248	10	74
0.5	40	70	9.39	0.34	3.28	1410	1	1.5	290	2	0.04	5	135	0.42	248	10	77
0.5	49	86	9.3	0.24	4.1	1745	1	1.73	180	2	0.01	5	122	0.42	224	10	79
0.5	50	106	10.4	0.28	4.61	1620	1	1.68	200	5	0.01	5	113	0.38	232	10	93
0.5	47	87	9.33	0.25	4.06	1555	1	1.51	170	3	0.07	5	117	0.42	223	10	86
0.5	47	77	8.76	0.22	3.87	1545	1	1.63	170	2	0.03	5	114	0.39	209	10	75
0.5	49	84	10.75	0.23	3.82	1570	1	1.42	290	3	0.37	5	123	0.46	243	50	86
0.5	48	112	12.45	0.29	4.05	1925	1	1.29	460	7	0.03	5	131	0.57	316	220	118
0.5	46	84	10.5	0.27	3.94	1740	1	1.5	250	2	0.03	5	99	0.48	244	10	90
0.5	45	69	8.84	0.26	3.64	1395	1	1.98	220	6	0.07	5	147	0.39	209	10	68
0.5	142	1450	17.15	0.03	10.3	2840	1	0.13	70	4	0.42	5	4	0.53	495	10	160
0.5	148	1570	18.95	0.01	10.4	2410	1	0.07	120	2	0.26	5	8	0.64	573	10	134
0.5	136	1030	19.3	0.02	10.6	2130	1	0.06	230	6	0.08	5	6	0.58	453	10	134
0.5	131	1220	19.35	0.01	10.6	2100	1	0.05	160	6	0.07	5	6	0.62	474	10	133
0.5	37	129	7.22	0.22	2.83	1280	1	2.68	160	3	0.17	5	178	0.38	194	10	116
0.5	35	77	6.46	0.17	3.12	1120	1	2.36	220	2	0.04	5	164	0.33	175	10	58
0.5	34	70	6.56	0.18	3.06	1155	1	2.35	200	3	0.04	5	167	0.34	172	10	56
0.5	33	73	6.58	0.17	2.91	1160	1	2.21	210	8	0.04	5	158	0.42	222	10	65
0.5	35	57	6.84	0.19	2.84	1210	1	2.24	260	9	0.05	5	161	0.39	223	10	71
0.5	35	56	7.4	0.18	2.98	1260	1	2.22	270	3	0.03	5	156	0.49	270	10	66
0.5	35	79	7.98	0.22	2.95	1280	1	2.11	270	7	0.04	5	149	0.55	306	10	65
0.5	31	49	7.3	0.23	2.47	1135	1	2.13	250	7	0.04	5	152	0.56	344	10	53
0.5	37	22	7.37	0.25	2.68	1195	1	2.28	280	4	0.11	5	162	0.66	471	10	55
0.5	39	15	7.81	0.22	2.61	1240	1	2.12	230	2	0.14	5	156	0.81	615	10	58
0.5	38	17	8.14	0.21	2.5	1210	1	2.05	270	7	0.09	5	141	0.8	538	10	57
0.5	38	17	8.48	0.21	2.59	1235	1	2.08	260	2	0.14	5	147	0.88	561	10	60
0.5	39	26	8.23	0.2	2.96	1295	1	2.2	270	4	0.17	5	158	1.01	433	10	63
0.5	38	46	7.5	0.18	3.05	1220	1	2.09	360	4	0.18	5	146	0.86	254	10	56
0.5	46	58	8.46	0.21	3.23	1360	1	2.16	300	2	0.27	5	150	1.02	261	10	64
0.5	45	48	8.14	0.24	2.87	1300	1	2.39	320	2	0.34	5	162	0.88	228	10	57
0.5	44	59	9.35	0.28	3.36	1785	1	1.79	310	2	0.23	5	123	0.94	213	10	64
0.5	44	67	9.26	0.26	3.2	1805	1	1.6	240	2	0.15	5	105	0.87	183	10	64
0.5	45	134	10.25	0.49	3.3	1870	1	1.59	460	2	0.2	5	108	0.84	214	10	71
0.5	39	154	10.75	0.5	3.32	2060	1	1.41	500	2	0.26	5	90	0.9	188	10	76
0.5	57	136	11.15	0.48	3.65	2130	1	1.56	960	2	0.45	5	105	0.65	169	10	80
0.5	80	87	11.35	0.37	3.33	1800	1	1.54	500	2	0.95	5	107	0.79	269	10	67
0.5	50	67	11.2	0.47	3.85	2180	1	1.49	480	2	0.23	5	100	0.84	165	10	73
0.5	67	75	11.1	0.37	3.58	1965	1	1.55	910	2	0.61	5	108	0.93	209	10	62
0.5	74	72	11.3	0.39	3.62	1920	1	1.46	580	2	0.7	5	97	0.82	183	10	61
0.5	64	95	11.55	0.38	3.75	2040	1	1.56	1270	2	0.55	5	106	0.86	263	10	62
0.5	47	67	10.4	0.45	3.45	1805	1	1.48	340	2	0.23	5	100	0.91	177	10	57
0.5	74	44	10.1	0.33	3.22	1465	1	1.62	860	2	0.74	5	116	0.89	241	10	52
0.5	64	52	10.75	0.53	3.03	1225	2	1.83	680	2	0.46	5	117	0.97	219	10	53
0.5	42	72	11.4	1.31	1.77	1330	1	2.43	30	2	0.17	5	144	1.24	139	10	50
0.5	53	62	9.76	0.34	2.88	1245	1	1.95	480	2	0.31	5	132	1	222	10	54
0.5	58	119	10.65	0.27	3.31	1965	1	1.68	650	2	0.51	5	124	0.96	342	10	67
0.5	58	120	10.1	0.29	3.24	1690	1	1.88	670	2	0.45	5	145	0.88	409	10	64
0.5	51	125	10.45	0.23	3.27	1925	1	1.81	560	2	0.4	5	128	0.68	257	10	68
0.5	54	111	11.05	0.29	3.41	2090	1	1.74	590	2	0.41	5	118	0.91	214	10	73

13	H	681455	80	81	1.00	0.92	231	357	0.1	0.001	0.058	0.033	8.06	5	50	0.5	2	5.54
13	H	681456	81	82	1.00	1.00	97	169	0.1	0.001	0.0647	0.05	7.5	5	60	0.5	2	4.42
13	H	681457	82	83	1.00	0.90	227	288	0.1	0.001	0.0584	0.044	7.74	5	60	0.5	2	4.62
13	H	681458	83	84	1.00	0.60	203	280	0.1	0.002	0.0581	0.077	7.49	5	60	0.5	2	4.3
13	H	681459	84	85	1.00	0.98	272	349	0.1	0.004	0.0916	0.073	8.18	5	50	0.5	2	4.98
13	H	681460	85	86	1.00	1.01	274	401	0.1	0.002	0.0222	0.029	8.47	5	40	0.5	2	5.75
13	H	681461	86	87	1.00	0.96	344	461	0.1	0.001	0.0793	0.023	8.73	5	50	0.5	2	6.16
13	H	681462	87	88	1.00	1.02	492	607	0.1	0.002	0.117	0.009	9.08	5	70	0.5	2	5.67
13	H	681463	88	89	1.00	0.96	356	498	0.1	0.001	0.0621	0.007	8.59	5	50	0.5	2	5.62
13	H	681464	89	90	1.00	0.35	481	764	0.1	0.001	0.102	0.009	9.27	10	60	0.5	2	5.94
13	H	681465	90	91	1.00	0.76	391	517	0.1	0.002	0.111	0.01	9.97	5	70	0.5	2	6.14
13	H	681466	91	92	1.00	0.94	237	378	0.1	0.001	0.134	0.007	9.24	5	60	0.5	2	5.79
13	H	681467	92	93	1.00	1.07	196	275	0.1	0.002	0.125	0.016	9.59	5	100	0.5	2	5.81
13	H	681468	93	94	1.00	1.05	212	248	0.1	0.017	0.0908	0.033	9.49	12	110	0.5	2	5.81
13	H	681469	94	95	1.00	1.02	584	416	0.1	0.018	0.0185	0.127	9.7	5	150	0.5	2	5.59
13	H	681470	95	95.8	0.80	0.78	275	313	0.1	0.004	0.0059	0.042	9.4	5	140	0.5	2	5.85
13	H	681471	95.8	96.6	0.80	1.07	906	142	0.5	0.012	0.0042	0.038	9.31	5	210	0.5	2	4.9
13	H	681472	96.6	97.5	0.90	0.84	3540	310	0.1	0.05	0.0308	0.118	9.73	5	110	0.5	2	5.69
13	J	681473	89.6	90.3	0.70	0.79	491	551	0.1	0.002	0.111	0.014	10.95	14	90	0.5	2	6.62
13	J	681474	90.3	90.9	0.60	0.69	357	437	0.1	0.001	0.119	0.013	10.2	5	70	0.5	2	6.14
13	J	681475	90.9	91.5	0.60	0.60	278	385	0.1	0.002	0.131	0.01	9.96	5	50	0.5	2	6.21
13	J	681476	91.5	92.1	0.60	0.60	210	319	0.1	0.001	0.131	0.007	10.25	5	60	0.5	2	6.18
13	J	681477	92.1	93	0.90	0.90	299	394	0.1	0.002	0.117	0.016	10.8	5	110	0.5	2	6.25
13	J	681478	93	94	1.00	1.10	355	309	0.1	0.006	0.0978	0.022	11.8	6	100	0.5	2	6.79
13	J	681479	94	95	1.00	1.00	449	325	0.1	0.013	0.0081	0.105	10.95	5	130	0.5	2	5.93
13	J	681480	95	96	1.00	0.99	268	301	0.1	0.001	0.0103	0.029	11.3	5	100	0.5	2	6.51
13	J	681481	96	97	1.00	1.07	409	269	0.1	0.003	0.0072	0.015	11.35	5	170	0.5	2	6.03
13	J	681482	97	97.8	0.80	0.84	4250	365	0.6	0.031	0.0417	0.074	8.81	5	110	0.5	2	5.69
13	J	681483	97.8	98.6	0.80	0.83	913	323	0.1	0.026	0.306	0.048	10.85	5	90	0.7	2	7.04
13	J	681484	98.6	99.4	0.80	0.78	665	129	0.1	0.018	0.0505	0.048	10	5	130	0.5	2	6.71
13	J	681485	99.4	100.2	0.80	0.80	416	224	0.1	0.019	0.0418	0.088	10.95	8	90	0.5	2	6.85
13	J	681486	100.2	101	0.80	0.81	266	81	0.1	0.005	0.0265	0.013	10.5	5	290	0.5	2	4.82
13	J	681487	101	101.4	0.40	0.43	692	257	0.1	0.034	0.0281	0.07	10.5	5	130	0.5	2	5.81
13	J	681488	101.4	102.2	0.80	0.77	470	210	0.1	0.022	0.0094	0.105	9.91	5	110	0.5	2	5.41
13	J	681489	102.2	103	0.80	0.81	220	156	0.1	0.002	0.0117	0.092	8.83	12	50	0.5	2	5.74
13	J	681490	103	104	1.00	1.01	135	103	0.1	0.001	0.0034	0.016	8.03	5	30	0.5	2	6.42
13	J	681491	104	105	1.00	0.94	164	109	0.1	0.003	0.0279	0.034	8.42	5	30	0.5	2	6.81
13	J	681492	105	106	1.00	1.18	61	72	0.1	0.001	0.0048	0.005	8.17	5	30	0.5	2	6.6
13	J	681493	106	107	1.00	1.13	482	129	0.1	0.021	0.0735	0.153	8.75	5	30	0.5	2	7.19
13	J	681494	107	107.8	0.80	0.79	16	75	0.1	0.001	0.004	0.011	8.59	5	40	0.5	2	5.84
13	J	681495	107.8	108.4	0.60	0.63	450	359	0.1	0.01	0.24	0.392	7.57	5	60	0.5	2	5.51
13	J	681496	108.4	109.2	0.80	0.86	36	144	0.1	0.002	0.287	0.062	7	5	50	0.5	2	5.79
13	J	681497	109.2	110	0.80	0.87	32	74	0.1	0.001	0.0114	0.008	7.88	5	40	0.5	2	6.61
13	J	681498	110	111	1.00	1.16	172	99	0.1	0.002	0.0054	0.016	7.55	5	40	0.5	2	6.67
13	J	681499	111	112	1.00	0.97	1635	258	0.5	0.026	0.0744	0.158	8.01	5	30	0.5	2	6.87
13	J	681500	112	113	1.00	1.08	3090	358	0.7	0.059	0.159	0.306	7.4	5	30	0.5	2	6.3
13	J	681501	113	114	1.00	1.02	2120	266	0.1	0.036	0.102	0.207	7.93	5	30	0.5	2	6.28
13	J	681502	114	115	1.00	0.98	4090	554	0.9	0.07	0.217	0.457	7.91	5	30	0.5	2	5.43
13	J	681503	115	116	1.00	0.71	191	122	0.1	0.004	0.0097	0.017	7.74	5	30	0.5	2	5.94
13	J	681504	116	116.8	0.80	0.90	799	149	0.1	0.009	0.0078	0.047	7.93	5	30	0.5	2	6.91

0.5	60	78	10.85	0.3	3.58	1825	1	1.66	660	2	0.4	5	137	0.83	331	10	72
0.5	44	58	10.2	0.4	3.47	1970	1	1.38	130	2	0.18	5	93	0.79	154	10	68
0.5	60	54	11	0.37	3.57	2070	1	1.39	310	2	0.4	5	97	0.86	162	10	72
0.5	56	48	11.1	0.35	3.72	1895	1	1.33	530	2	0.3	5	91	0.86	155	10	74
0.5	56	45	10.15	0.28	3.37	1785	1	1.54	630	2	0.45	5	119	0.87	148	10	68
0.5	62	43	10.05	0.25	3.47	1800	1	1.65	970	2	0.53	5	125	0.78	160	10	70
0.5	64	79	10.05	0.26	3.3	1765	1	1.89	1270	2	0.57	5	149	1.04	280	10	71
0.5	70	90	8.82	0.34	2.45	1380	1	2.19	930	2	0.83	5	181	0.89	229	10	72
0.5	63	82	8.3	0.25	2.59	1310	1	2.16	1200	2	0.66	5	155	0.78	213	10	93
0.5	88	76	9.07	0.28	2.33	1320	5	2.07	880	2	1.02	5	150	0.8	182	10	70
0.5	69	91	9.73	0.32	2.56	1520	1	2.12	690	2	0.8	5	146	1.09	230	10	68
0.5	53	91	8.44	0.33	2.36	1300	1	1.98	610	2	0.4	5	135	0.93	185	10	58
0.5	37	83	7.33	0.45	1.9	1210	1	2.47	480	2	0.29	5	177	0.99	196	10	52
0.5	37	89	7.03	0.44	1.64	1220	1	2.54	600	2	0.25	5	181	1.42	222	10	50
0.5	54	27	5.33	0.49	1.35	614	1	3.02	1360	2	0.78	5	206	0.07	210	10	39
0.5	46	57	7.19	0.5	1.91	967	1	2.67	530	2	0.24	5	169	0.19	138	10	56
0.5	37	32	16.2	0.79	1.6	6970	1	1.19	880	2	0.39	5	92	0.08	126	10	83
0.5	59	22	17.1	0.45	2	9270	2	0.91	500	6	2.17	5	90	0.06	105	10	68
0.5	79	76	8.83	0.36	2.36	1355	6	2.46	1030	5	0.82	5	172	0.79	177	10	66
0.5	66	82	9.44	0.29	2.69	1545	1	2.18	770	2	0.66	5	140	0.98	188	10	66
0.5	59	91	8.91	0.24	2.59	1435	1	1.95	830	2	0.57	5	128	0.94	174	10	59
0.5	49	92	8.49	0.27	2.53	1360	1	1.99	600	2	0.39	5	127	0.92	168	10	58
0.5	51	82	7.64	0.46	2.15	1235	1	2.37	490	2	0.48	5	167	0.93	174	10	55
0.5	45	95	7.81	0.44	2.09	1375	1	2.67	580	2	0.44	5	192	1.33	199	10	58
0.5	46	43	6.31	0.44	1.79	735	4	3.11	1700	3	0.53	5	194	0.08	259	10	43
0.5	47	58	6.81	0.46	2.15	952	1	2.64	500	2	0.4	5	173	0.35	150	10	56
0.5	44	44	5.92	0.68	1.82	735	1	2.84	680	2	0.29	5	180	0.07	97	10	50
0.5	76	28	17.9	0.49	2.11	7760	2	1.12	310	5	2.83	5	67	0.07	104	90	88
0.5	64	83	10.05	0.42	2.46	1630	1	2.26	610	3	1.23	5	165	0.06	136	10	65
0.5	36	68	10.8	0.47	3	1445	2	2.13	130	3	0.25	5	148	0.19	168	10	89
0.5	49	27	7.99	0.37	2.03	1125	1	2.8	2660	4	0.43	5	191	0.14	309	10	54
0.5	39	57	13.05	1.38	2.55	2000	3	1.98	2020	4	0.1	5	111	0.18	294	10	76
0.5	49	89	9.38	0.52	2.45	1250	3	2.45	270	2	0.84	5	189	0.1	108	10	57
0.5	58	66	12.5	0.49	2.27	3700	5	1.96	2090	3	0.4	5	133	0.16	175	10	58
0.5	44	68	8	0.2	2.82	1255	1	2.37	1510	2	0.28	5	172	0.21	242	10	52
0.5	44	92	8.87	0.16	3.55	1515	1	1.87	490	2	0.17	5	132	0.28	281	10	61
0.5	44	106	8.38	0.13	3.62	1555	1	2	60	2	0.03	5	139	0.36	289	10	61
0.5	44	104	8.31	0.16	3.47	1490	1	2	80	2	0.01	5	144	0.47	365	10	60
0.5	48	113	9.29	0.14	3.86	1600	1	2.15	60	2	0.08	5	152	0.6	396	10	70
0.5	36	102	8.52	0.15	3.52	1370	1	2.44	100	2	0.01	5	168	0.44	268	10	60
0.5	76	96	10.65	0.26	3.67	1475	1	2	540	4	0.85	5	141	0.54	417	10	63
0.5	50	97	12	0.25	4	1815	1	1.77	50	5	0.03	5	104	0.99	652	10	76
0.5	45	112	11.05	0.19	3.47	1665	1	1.89	60	4	0.01	5	142	1.01	391	10	78
0.5	49	98	11.05	0.19	3.48	1520	1	1.76	110	4	0.01	5	131	0.82	374	10	80
0.5	47	93	11.2	0.17	3.54	1625	1	2.02	140	5	0.18	5	147	0.78	366	10	78
0.5	48	85	10.55	0.16	3.4	1585	1	1.82	150	2	0.33	5	134	0.78	335	10	64
0.5	47	85	9.67	0.12	3.51	1725	1	2.16	110	8	0.22	5	161	0.8	377	10	69
0.5	56	82	10.9	0.12	3.59	1850	1	2.22	90	2	0.49	5	137	0.74	350	10	77
0.5	47	86	10.25	0.14	3.68	1910	1	1.97	140	6	0.03	5	138	0.82	346	10	72
0.5	49	79	9.55	0.14	3.61	1665	1	2.09	210	2	0.15	5	175	0.9	369	10	65

13	K	681505	93.9	94.7	0.80	0.66	630	504	0.1	0.018	0.0654	0.153	10.2	5	90	0.5	2	6.06
13	K	681506	94.7	95.5	0.80	0.80	471	384	0.1	0.011	0.0484	0.096	11.15	5	130	0.5	2	6.81
13	K	681507	95.5	96.3	0.80	0.83	334	303	0.1	0.002	0.0843	0.035	11.4	5	150	0.5	2	6.14
13	K	681508	96.3	97.1	0.80	0.82	205	289	0.1	0.003	0.0702	0.02	9.16	5	190	0.5	2	5.45
13	K	681509	97.1	97.9	0.80	0.92	379	422	0.1	0.004	0.0322	0.015	9.83	5	130	0.5	2	5.87
13	K	681510	97.9	98.6	0.70	0.74	520	284	0.1	0.02	0.0277	0.049	10.6	10	180	0.7	2	5.42
13	K	681511	98.6	99.2	0.60	0.69	669	276	0.1	0.03	0.0554	0.066	10.2	5	200	0.5	2	5.5
13	K	681512	99.2	100	0.80	0.74	366	222	0.1	0.039	0.0454	0.079	9.06	5	70	0.5	2	6.12
13	K	681513	100	100.8	0.80	0.73	279	320	0.1	0.003	0.0983	0.055	8.05	5	50	0.5	2	5.81
13	K	681514	100.8	101.6	0.80	0.84	286	151	0.1	0.012	0.0395	0.12	8.4	5	90	0.5	2	5.04
13	K	681515	101.6	102.4	0.80	0.81	983	137	0.1	0.108	0.0246	0.088	8.85	5	120	0.8	2	5.24
13	K	681516	102.4	103.2	0.80	0.80	378	132	0.1	0.017	0.041	0.048	8.35	5	60	0.5	2	5.39
13	K	681517	103.2	104	0.80	0.81	257	123	0.1	0.008	0.0204	0.037	7.97	5	40	0.5	2	6.21
13	K	681518	104	105	1.00	0.99	64	96	0.1	0.001	0.004	0.009	8.17	6	30	0.5	2	6.52
13	K	681519	105	106	1.00	1.04	91	96	0.1	0.002	0.0169	0.024	7.56	7	30	0.5	2	6.27
13	K	681520	106	107	1.00	0.99	125	163	0.1	0.004	0.0264	0.054	7.8	7	30	0.5	2	5.75
13	K	681521	107	107.8	0.80	0.72	56	60	0.1	0.001	0.0052	0.007	8.06	9	30	0.5	2	6.71
13	L	681522	120.9	122	1.10	1.11	21	52	0.1	0.001	0.0029	0.007	7.42	5	50	0.5	2	6.15
13	L	681523	122	123	1.00	0.98	10	41	0.1	0.001	0.0027	0.002	7.09	5	40	0.5	2	7.07
13	L	681524	123	124	1.00	0.99	5	41	0.1	0.001	0.0024	0.002	7.07	5	40	0.5	2	6.74
13	L	681525	124	125.1	1.10	1.16	8	35	0.1	0.001	0.0026	0.002	7.12	5	30	0.5	2	6.7
14	A	681526	0	1	1.00	0.92	197	878	0.1	0.044	0.005	0.005	2.36	5	20	0.5	2	2.45
14	A	681527	1	2	1.00	0.94	137	841	0.1	0.003	0.0032	0.003	2.19	8	10	0.5	2	2.15
14	A	681528	2	3	1.00	1.07	61	947	0.1	0.002	0.0029	0.001	1.9	31	40	0.5	2	1.86
14	A	681529	3	4	1.00	0.96	137	1010	0.1	0.003	0.0027	0.024	2.43	21	20	0.5	2	2.3
14	A	681530	4	5	1.00	0.93	226	1050	0.1	0.004	0.0114	0.033	2.3	14	30	0.5	2	2.45
14	A	681531	5	6	1.00	1.03	181	924	0.1	0.003	0.0035	0.012	2.31	21	20	0.5	2	2.51
14	A	681532	6	7	1.00	1.03	226	761	0.1	0.004	0.0064	0.015	2.23	5	10	0.5	2	2.66
14	A	681533	7	8	1.00	1.01	164	623	0.1	0.003	0.0026	0.005	2.39	5	10	0.5	2	2.79
14	A	681534	8	9	1.00	1.04	1150	970	0.6	0.012	0.0181	0.036	2.06	5	10	0.5	2	2.54
14	A	681535	9	10	1.00	1.01	638	993	0.1	0.007	0.0146	0.027	2.23	5	10	0.5	2	2.49
14	A	681536	10	11	1.00	0.97	846	901	0.1	0.009	0.0167	0.016	2.18	5	10	0.5	2	2.21
14	A	681537	11	11.8	0.80	0.82	466	745	0.1	0.005	0.0099	0.02	3.34	5	10	0.5	2	2.89
14	A	681538	11.8	12.3	0.50	0.64	995	733	0.1	0.01	0.016	0.031	3.39	5	10	0.5	2	4.82
14	B	681539	10.7	11.5	0.80	0.87	1300	979	0.1	0.012	0.0082	0.021	3.24	5	10	0.5	2	3.51
14	B	681540	11.5	12.2	0.70	0.65	865	836	0.1	0.008	0.0079	0.015	3.39	5	10	0.5	2	3.52
14	B	681541	12.2	12.8	0.60	0.73	827	849	0.1	0.007	0.0188	0.03	3.31	5	10	0.5	2	4.01
14	B	681542	12.8	13.6	0.80	0.72	182	168	0.1	0.002	0.0049	0.022	7.14	5	70	0.5	2	7.14
14	B	681543	13.6	14.4	0.80	0.77	139	161	0.5	0.002	0.0127	0.013	6.7	5	60	0.5	2	6.5
14	B	681544	14.4	14.9	0.50	0.63	598	294	0.1	0.007	0.0171	0.047	6.41	5	60	0.5	2	6.78
14	C	681545	14.3	15.1	0.80	0.86	951	536	0.1	0.01	0.141	0.155	7.46	5	60	0.5	2	6.69
14	C	681546	15.1	15.9	0.80	0.84	1290	410	0.1	0.021	0.0524	0.13	9.7	8	70	0.5	2	6.86
14	C	681547	15.9	16.6	0.70	0.70	172	145	0.1	0.003	0.0118	0.024	9.72	5	50	0.5	2	7.5
14	C	681548	16.6	17.2	0.60	0.63	58	86	0.1	0.001	0.005	0.008	10.15	5	60	0.5	2	7.28
14	D	681549	16.5	17.3	0.80	0.79	565	294	0.1	0.006	0.0173	0.063	5.09	5	80	0.5	2	5.74
14	D	681550	17.3	18	0.70	0.69	2350	1090	0.5	0.034	0.154	0.346	10.6	5	100	0.5	2	6.6
14	D	681551	18	19	1.00	1.00	153	115	0.5	0.003	0.0055	0.011	9.87	11	80	0.5	2	7.06
14	D	681552	19	20	1.00	1.03	114	113	0.1	0.003	0.0042	0.01	9.62	5	70	0.5	2	7.15
14	D	681553	20	21	1.00	1.04	64	72	0.1	0.001	0.0006	0.001	9.81	5	70	0.5	2	7.71
14	D	681554	21	21.9	0.90	0.98	34	74	0.1	0.001	0.0006	0.001	9.95	5	70	0.5	2	7.81

0.5	71	69	7.13	0.31	2.19	862	3	2.63	810	2	0.9	5	165	0.12	355	10	51
0.5	58	74	7.65	0.51	2.35	998	1	2.51	790	4	0.46	5	174	0.36	312	10	57
0.5	46	63	6.56	0.52	1.76	915	2	2.83	410	3	0.32	5	209	0.6	120	10	47
0.5	48	70	7.62	0.63	2.03	1190	1	2.72	550	6	0.18	5	202	0.91	185	10	77
0.5	55	52	6.29	0.48	1.77	720	1	2.93	340	6	0.56	5	202	0.03	79	10	87
0.5	45	38	4.79	0.48	1.16	477	1	3.37	450	3	0.56	5	251	0.04	98	10	87
0.5	41	29	4.06	0.42	0.73	454	1	3.34	290	5	0.75	5	228	0.25	106	10	29
0.5	50	98	7.96	0.28	2.77	1165	1	2.32	790	2	0.32	5	161	0.11	249	10	58
0.5	68	94	9.95	0.26	3.38	1390	1	1.83	810	4	0.45	5	128	0.24	283	10	55
0.5	47	74	11	0.41	3.08	1810	1	2.02	390	2	0.24	5	125	0.21	318	10	64
0.5	43	51	12.1	0.6	2.37	2180	1	2	460	4	0.36	5	135	0.12	259	10	59
0.5	39	74	8.25	0.23	2.85	1355	1	2.49	330	4	0.14	5	176	0.22	225	10	57
0.5	44	93	8.42	0.16	3.36	1395	1	2.06	110	3	0.14	5	151	0.31	273	10	56
0.5	47	111	9.19	0.17	3.78	1555	1	2.14	60	3	0.02	5	145	0.34	336	10	63
0.5	49	128	10.2	0.12	4.04	1650	1	1.83	160	11	0.07	15	126	0.35	352	10	64
0.5	54	122	9.85	0.14	3.83	1570	1	2.1	100	2	0.19	5	148	0.34	285	10	59
0.5	44	112	9.29	0.12	3.66	1510	1	2.16	80	4	0.01	5	159	0.5	490	10	59
0.5	48	73	11.6	0.2	3.04	1815	1	2.3	290	7	0.01	5	176	0.95	417	10	70
0.5	44	61	10.95	0.18	3.19	1765	1	1.94	510	4	0.01	5	167	0.97	374	10	55
0.5	45	63	10.75	0.17	2.9	1650	1	1.98	480	4	0.01	5	157	0.97	379	10	52
0.5	45	55	11.05	0.17	2.77	1680	1	2.1	590	4	0.01	5	188	1.02	376	10	54
0.5	119	1320	18.05	0.05	9.56	2760	1	0.13	80	2	0.06	5	6	0.59	420	10	149
0.5	128	1210	19.5	0.03	9.81	2810	1	0.09	120	2	0.04	7	3	0.62	447	10	147
0.5	114	1030	15.8	0.01	8.17	1925	1	0.02	80	2	0.07	6	4	0.39	343	10	107
0.5	130	1170	19.15	0.01	10.15	2220	1	0.03	160	2	0.05	5	4	0.51	414	10	125
0.5	129	1420	19.3	0.01	10.2	2300	1	0.04	150	2	0.07	5	4	0.54	422	10	129
0.5	126	1400	19	0.02	10.25	2490	1	0.05	200	6	0.06	5	4	0.6	408	10	139
0.5	118	1320	18.25	0.02	10.1	2570	1	0.07	200	2	0.04	7	3	0.6	423	10	137
0.5	117	1130	17.7	0.03	9.99	2600	1	0.1	120	3	0.02	5	3	0.61	454	10	136
0.5	125	1490	19.05	0.01	10.1	2460	1	0.02	130	2	0.22	5	5	0.51	379	10	128
0.5	124	1380	19.7	0.01	10.45	2430	1	0.03	160	2	0.15	5	6	0.6	420	10	128
0.5	117	1380	18.2	0.02	9.87	2610	1	0.05	160	2	0.21	7	4	0.54	389	10	133
0.5	123	1280	18.1	0.04	9.94	2710	1	0.12	140	2	0.16	9	3	0.63	397	10	152
0.5	114	1200	15.95	0.07	8.85	2490	1	0.26	220	2	0.3	5	7	0.52	394	10	150
0.5	133	1140	17.5	0.03	9.62	2210	1	0.12	210	5	0.38	10	3	0.5	350	10	148
0.5	120	1370	17.7	0.04	9.81	2810	1	0.17	170	2	0.23	5	5	0.45	343	10	165
0.5	128	1260	17.3	0.06	8.98	2920	1	0.2	180	6	0.38	5	7	0.56	350	10	162
0.5	58	553	11.55	0.27	4.8	1735	1	1.51	240	4	0.03	5	164	0.57	355	10	113
0.5	58	459	11.05	0.23	4.7	1670	1	1.44	100	2	0.05	5	157	0.5	319	10	103
0.5	63	982	12.15	0.24	5.38	1970	1	1.3	260	2	0.15	5	104	0.63	431	10	122
0.5	70	622	10.7	0.21	4.55	1635	1	1.58	200	2	0.45	5	131	0.5	294	10	94
0.5	49	99	6.23	0.16	2.11	844	1	2.5	230	2	0.46	5	211	0.32	144	10	51
0.5	37	126	6.86	0.14	2.86	1070	1	2.19	360	4	0.08	5	167	0.4	195	10	48
0.5	29	78	6.25	0.16	2.81	987	1	2.41	240	3	0.02	5	185	0.33	164	10	49
0.5	67	834	13.35	0.35	5.56	2220	1	0.72	350	2	0.13	5	30	0.67	412	10	115
0.5	86	95	7.64	0.35	2.57	1015	1	2.79	180	6	0.94	5	222	0.3	171	10	70
0.5	32	110	6.09	0.24	2.7	1045	1	2.51	240	4	0.03	5	191	0.31	178	10	61
0.5	31	78	6.68	0.22	2.91	1120	1	2.35	280	5	0.03	5	172	0.3	176	10	60
0.5	30	91	6.63	0.23	2.69	1155	1	2.29	290	2	0.02	5	171	0.33	180	10	57
0.5	34	72	6.99	0.23	2.98	1240	1	2.25	270	2	0.02	5	161	0.37	219	10	60

14	E	681555	17.9	18.7	0.80	0.82	323	375	0.1	0.005	0.0454	0.155	7.02	5	60	0.5	2	6.4
14	E	681556	18.7	19.5	0.80	0.86	1710	1090	0.5	0.016	0.122	0.294	9.98	5	70	0.5	2	6.49
14	E	681557	19.5	20.3	0.80	0.92	1210	789	0.5	0.026	0.159	0.293	10.6	9	90	0.5	2	6.92
14	E	681558	20.3	21	0.70	0.71	93	156	0.1	0.002	0.0017	0.005	9.56	5	70	0.6	2	6.82
14	E	681559	21	22	1.00	0.95	57	102	0.1	0.001	0.0014	0.002	9.42	5	80	0.5	2	6.95
14	E	681560	22	23	1.00	1.01	47	70	0.1	0.001	0.0019	0.002	9.97	5	60	0.8	2	7.42
14	E	681561	23	24	1.00	0.99	44	72	0.1	0.002	0.0078	0.005	9.66	5	80	0.7	2	7.88
14	E	681562	24	25	1.00	1.00	105	67	0.1	0.001	0.0027	0.002	9.78	5	100	0.8	2	7.59
14	E	681563	25	25.7	0.70	0.78	39	52	0.1	0.001	0.0012	0.001	8.77	5	80	1.2	2	7.79
14	E	681564	25.7	26.7	1.00	1.10	873	114	0.1	0.004	0.0027	0.008	8.52	5	60	0.9	2	9.07
14	E	681565	26.7	27.6	0.90	0.88	70	100	0.1	0.001	0.0028	0.003	9.27	5	60	0.6	2	8.02
14	F	681566	23.2	24	0.80	0.71	51	60	0.1	0.001	0.0014	0.001	8.68	5	60	0.5	2	7.14
14	F	681567	24	25	1.00	0.80	35	65	0.1	0.001	0.0009	0.001	9.39	5	60	0.5	2	7.54
14	F	681568	25	26	1.00	1.00	33	64	0.1	0.001	0.0015	0.001	9.45	5	70	0.5	2	7.74
14	F	681569	26	27	1.00	1.01	32	63	0.1	0.001	0.0015	0.003	8.09	10	60	0.5	2	6.76
14	F	681570	27	27.7	0.70	0.70	36	42	0.1	0.001	0.001	0.001	7.88	5	110	0.6	2	6.08
14	F	681571	27.7	28.4	0.70	0.77	53	92	0.1	0.001	0.011	0.009	8.59	5	80	0.7	2	7.69
14	F	681572	28.4	29	0.60	0.61	39	84	0.1	0.001	0.0027	0.001	9.36	5	60	0.8	2	8.2
14	F	681573	29	29.6	0.60	0.61	32	95	0.1	0.001	0.0025	0.001	9.03	5	70	0.5	2	7.9
14	F	681574	29.6	29.9	0.30	0.33	570	60	0.1	0.003	0.0011	0.001	8.09	5	40	0.6	2	9.66
14	F	681575	29.9	30.7	0.80	0.78	79	71	0.1	0.001	0.0017	0.001	9.24	5	90	0.6	2	7.85
14	F	681576	30.7	31.5	0.80	0.86	63	68	0.1	0.001	0.0016	0.001	9.28	12	120	0.8	2	7.27
14	F	681577	31.5	32.1	0.60	0.52	326	75	0.1	0.002	0.0015	0.002	9.42	11	200	0.9	2	7.81
14	F	681578	32.1	33	0.90	0.98	166	66	0.1	0.002	0.0018	0.001	9.12	5	90	0.5	2	7.78
14	G	681579	26.7	27.7	1.00	1.05	104	88	0.1	0.002	0.0019	0.002	9.3	5	80	0.5	2	7.52
14	G	681580	27.7	28.5	0.80	0.66	50	60	0.1	0.001	0.0009	0.001	8.88	7	90	0.6	2	6.75
14	G	681581	28.5	29.3	0.80	0.85	173	103	0.1	0.001	0.0029	0.003	9.2	5	90	0.9	2	8.4
14	G	681582	29.3	30	0.70	0.69	47	90	0.1	0.001	0.0019	0.001	9.44	5	90	0.8	2	7.75
14	G	681583	30	31	1.00	0.94	469	81	0.1	0.002	0.0022	0.001	8.95	5	100	0.8	2	9.65
14	G	681584	31	32	1.00	1.14	345	48	0.1	0.002	0.002	0.002	8.51	5	90	0.9	2	8.35
14	G	681585	32	33	1.00	0.99	324	63	0.1	0.002	0.0018	0.001	9.22	5	130	1.1	2	8.18
14	H	681586	38.1	39	0.90	0.89	185	122	0.1	0.002	0.0077	0.031	9.21	5	50	0.5	2	7.55
14	H	681587	39	40	1.00	1.00	260	120	0.1	0.001	0.002	0.01	8.74	9	50	0.7	2	7.46
14	H	681588	40	41	1.00	1.04	390	431	0.1	0.004	0.0232	0.057	7.63	5	60	0.5	3	7.54
14	H	681589	41	42	1.00	1.03	302	280	0.1	0.003	0.0212	0.073	8.8	5	60	0.5	2	7.01
14	H	681590	42	43	1.00	0.98	341	280	0.1	0.001	0.0463	0.083	9.29	5	50	0.5	2	7.11
14	H	681591	43	44	1.00	1.02	202	244	0.1	0.001	0.0704	0.077	8.94	5	40	0.5	2	7.89
14	H	681592	44	45	1.00	0.99	610	597	0.1	0.005	0.063	0.154	8.28	6	40	0.5	2	7.6
14	H	681593	45	46	1.00	1.01	1040	900	0.1	0.005	0.0791	0.25	7.75	5	40	0.5	3	7.6
14	H	681594	46	47	1.00	0.99	204	290	0.1	0.009	0.074	0.156	8.17	5	50	0.5	2	7.47
14	H	681595	47	48	1.00	1.00	236	283	0.1	0.003	0.0603	0.124	8.65	5	60	0.5	2	7.4
14	H	681596	48	49	1.00	1.02	235	309	0.1	0.003	0.0667	0.117	7.38	5	40	0.5	2	7.89
14	H	681597	49	50	1.00	1.01	328	442	0.1	0.003	0.066	0.144	6.53	5	40	0.5	2	7.32
14	H	681598	50	51	1.00	0.99	503	490	0.1	0.006	0.0422	0.158	7.48	5	50	0.5	2	7.36
14	H	681599	51	52	1.00	1.01	206	378	0.1	0.004	0.055	0.098	6.6	5	40	0.5	2	7.38
14	H	681600	52	53	1.00	1.01	483	562	0.1	0.003	0.0484	0.083	8.65	5	70	0.5	2	6.53
14	H	681601	53	54	1.00	0.98	297	442	0.1	0.003	0.0323	0.058	7.56	5	80	0.5	2	6.22
14	H	681602	54	55	1.00	0.99	526	616	0.1	0.002	0.0278	0.072	7.23	6	60	0.5	2	6.02
14	H	681603	55	55.8	0.80	0.81	376	441	0.1	0.001	0.0606	0.095	8.83	11	70	0.5	2	6.06
14	H	681604	55.8	56.8	0.80	0.82	640	752	0.1	0.001	0.134	0.117	6.73	5	70	0.5	3	5.27

0.5	63	391	11.15	0.27	4.68	1780	1	1.42	230	2	0.25	5	99	0.57	323	10	87
0.5	89	92	7.37	0.25	2.3	976	1	2.58	320	4	1.11	5	204	0.33	163	10	63
0.5	68	105	7.35	0.29	2.56	1050	1	2.72	320	2	0.71	5	222	0.29	172	10	64
0.5	30	90	6.6	0.24	2.41	1110	1	2.71	380	2	0.04	5	222	0.4	213	10	55
0.5	34	115	7.05	0.27	2.84	1180	1	2.3	250	2	0.02	5	171	0.36	207	10	61
0.5	37	78	7.08	0.22	2.81	1195	1	2.33	340	2	0.02	5	181	0.38	188	10	62
0.5	38	91	6.97	0.24	2.81	1295	1	2.18	280	2	0.01	5	181	0.37	190	10	63
0.5	35	69	6.85	0.29	2.61	1235	1	2.37	370	2	0.04	5	205	0.34	156	10	62
0.5	33	100	7.41	0.25	3.09	1410	1	2.1	810	2	0.01	5	210	0.56	194	10	75
0.5	64	85	8.77	0.2	2.87	1500	1	1.24	320	2	0.75	5	203	0.46	204	10	64
0.5	45	64	8.86	0.25	2.92	1515	1	1.91	270	6	0.07	5	176	0.72	509	10	72
0.5	34	55	6.56	0.21	2.66	1175	1	2.14	250	4	0.04	5	166	0.39	189	10	56
0.5	35	69	7.15	0.25	3.12	1215	1	2.16	240	5	0.03	5	163	0.38	189	10	64
0.5	34	69	7.69	0.34	3.15	1300	1	2.12	290	2	0.02	5	182	0.42	220	10	64
0.5	31	104	7.32	0.26	2.86	1195	1	1.78	290	5	0.02	5	134	0.5	248	10	62
0.5	31	98	8.22	0.51	3.34	1330	1	2.51	1180	5	0.01	5	151	0.77	217	10	73
0.5	37	85	8.67	0.3	3.34	1435	1	1.97	380	2	0.03	5	156	0.77	426	10	69
0.5	37	36	8.32	0.24	3.27	1350	1	2.06	250	3	0.02	5	179	0.43	292	10	72
0.5	38	38	9.23	0.29	3.2	1485	1	2.05	280	5	0.01	6	175	0.77	522	10	79
0.5	40	49	8.84	0.17	2.86	1530	1	1.04	660	2	0.38	5	180	0.65	284	10	68
0.5	36	40	9.01	0.32	2.92	1485	1	2.17	300	5	0.03	5	183	0.72	437	10	77
0.5	38	20	8.82	0.39	3.02	1465	1	2.53	300	5	0.03	5	184	0.7	418	10	73
0.5	43	44	9.53	0.57	3.18	1560	1	2.28	320	6	0.12	6	186	0.85	493	10	88
0.5	42	21	9.68	0.38	2.95	1535	1	2.01	280	2	0.11	5	160	0.89	519	10	82
0.5	39	48	8.32	0.33	3.25	1270	1	2.05	260	2	0.05	5	167	0.53	350	10	63
0.5	33	74	8.37	0.42	3.37	1330	1	2.56	880	4	0.02	5	174	0.7	264	10	78
0.5	44	57	9.27	0.33	3.36	1495	1	2.14	330	4	0.15	5	177	0.71	445	10	74
0.5	40	23	9.37	0.35	3.28	1510	1	2.46	300	4	0.01	5	185	0.71	472	10	76
0.5	49	42	9.75	0.32	3.32	1760	1	1.43	300	2	0.21	5	194	0.69	399	10	75
0.5	33	20	9.44	0.3	2.99	1585	1	1.89	310	6	0.11	5	180	0.66	341	10	69
0.5	41	43	9.38	0.4	3.13	1530	1	2.12	340	2	0.19	5	189	0.71	395	10	87
0.5	47	25	9.34	0.21	2.95	1300	1	2.21	350	4	0.28	5	155	0.81	410	10	72
0.5	50	55	9.59	0.2	2.69	1280	1	1.87	340	6	0.43	5	141	0.93	505	10	66
0.5	104	46	11.8	0.3	3.96	1645	1	1.67	1050	5	1.08	5	111	1.44	611	10	83
0.5	60	73	9.57	0.26	3.51	1350	4	2.16	90	4	0.49	5	139	0.83	198	10	68
0.5	60	34	9.13	0.21	3.16	1155	6	2.24	120	6	0.57	5	143	0.67	168	10	66
0.5	54	76	9.57	0.21	3.7	1200	1	2.07	190	2	0.31	5	136	0.65	322	10	86
0.5	89	49	10.6	0.21	3.46	1215	5	1.84	230	7	0.99	5	125	0.69	316	10	81
0.5	122	58	12.3	0.24	3.9	1335	1	1.76	300	2	1.59	5	115	0.8	404	10	79
0.5	60	61	11	0.25	3.87	1350	1	2.02	420	8	0.32	5	117	0.75	282	10	85
0.5	55	61	10.2	0.27	3.79	1335	1	2.12	410	6	0.36	5	136	0.74	229	10	71
0.5	60	62	11.75	0.25	4.49	1485	1	1.64	1000	6	0.29	5	101	0.95	532	10	83
0.5	73	74	11.85	0.24	4.51	1520	1	1.49	870	2	0.58	5	88	0.98	366	10	83
0.5	83	61	12.1	0.29	4.21	1405	53	1.66	810	2	0.66	5	101	0.89	375	10	91
0.5	69	66	12.35	0.28	4.68	1600	1	1.41	1000	7	0.33	5	74	0.91	302	10	92
0.5	82	58	10.25	0.36	3.31	1370	2	2.18	1000	5	0.97	5	145	1.08	217	10	58
0.5	75	73	12.15	0.41	4.24	1700	1	1.58	650	2	0.54	5	87	0.92	212	10	68
0.5	97	49	13.25	0.39	4.38	1860	1	1.3	1500	2	0.93	5	63	0.85	262	10	64
0.5	72	60	10.9	0.36	3.64	1530	1	1.88	920	2	0.67	5	104	0.59	181	10	65
0.5	114	65	14.25	0.51	4.69	1855	3	1.46	1060	8	1.27	5	38	0.9	241	10	87

14	H	681605	56.6	57.4	0.80	0.73	613	439	0.1	0.003	0.264	0.068	9.61	5	80	0.5	2	7.93
14	H	681606	57.4	58.2	0.80	0.87	2970	2840	0.6	0.006	0.107	0.235	9.54	5	110	0.5	2	6.1
14	H	681607	58.2	59	0.80	0.80	1540	1820	0.1	0.003	0.154	0.327	10.05	41	80	0.5	2	5.01
14	H	681608	59	59.8	0.80	0.79	1260	1050	0.1	0.003	0.0127	0.091	10.75	18	260	0.5	2	5.72
14	H	681609	59.8	60.4	0.80	0.81	1070	684	0.1	0.004	0.0245	0.058	10.95	5	140	0.5	2	5.89
14	H	681610	60.4	60.9	0.50	0.50	660	644	0.1	0.002	0.0211	0.037	10.7	5	70	0.5	2	7.16
14	H	681611	60.9	61.7	0.80	0.74	552	1110	0.1	0.002	0.0257	0.081	9.82	6	60	0.5	2	6.08
14	H	681612	61.7	62.5	0.80	0.79	368	499	0.1	0.002	0.0305	0.027	8.78	5	40	0.5	2	6.33
14	H	681613	62.5	63.3	0.80	0.81	178	248	0.1	0.001	0.0287	0.01	8.61	6	40	0.5	2	6.25
14	H	681614	63.3	64.3	1.00	1.00	169	257	0.1	0.004	0.0485	0.05	8.58	5	60	0.5	2	6.16
14	J	681615	40.8	42	1.20	1.25	478	365	0.1	0.008	0.0289	0.07	8.49	5	70	0.5	2	6.74
14	J	681616	42	43	1.00	1.00	762	385	0.1	0.002	0.0199	0.046	7.95	5	70	0.5	2	6.26
14	J	681617	43	44	1.00	0.99	557	379	0.1	0.006	0.0993	0.058	6.86	5	60	0.5	2	6.55
14	J	681618	44	45	1.00	1.01	299	380	0.1	0.003	0.0348	0.048	7.38	5	60	0.5	2	6.38
14	J	681619	45	46	1.00	1.01	419	423	0.1	0.01	0.0609	0.112	7.31	5	50	0.5	2	7.25
14	J	681620	46	47	1.00	1.00	417	440	0.1	0.02	0.0624	0.15	8.08	5	60	0.5	2	7.4
14	J	681621	47	48	1.00	1.00	389	461	0.1	0.003	0.0472	0.069	8.21	5	50	0.5	2	6.42
14	J	681622	48	49	1.00	1.01	281	415	0.1	0.004	0.0719	0.133	7.18	5	50	0.5	2	7.05
14	J	681623	49	50	1.00	0.99	449	571	0.1	0.005	0.0795	0.12	6.81	5	50	0.5	2	7.01
14	J	681624	50	51	1.00	1.01	424	511	0.1	0.008	0.0987	0.119	7.28	5	50	0.5	2	7.65
14	J	681625	51	52	1.00	1.00	343	387	0.1	0.01	0.0611	0.152	7.99	5	60	0.5	2	7.17
14	J	681626	52	53	1.00	0.98	467	451	0.1	0.019	0.0684	0.126	7.65	5	50	0.5	2	7.39
14	J	681627	53	54	1.00	1.14	505	496	0.1	0.016	0.082	0.171	7.65	5	70	0.5	2	7
14	J	681628	54	55	1.00	1.05	608	579	0.1	0.007	0.0669	0.13	7.99	7	130	0.5	2	6.52
14	J	681629	55	56	1.00	1.00	404	419	0.1	0.008	0.0887	0.135	7.1	5	50	0.5	3	7.33
14	J	681630	56	56.8	0.80	0.80	741	582	0.1	0.04	0.12	0.233	8.53	5	80	0.5	2	7.05
14	J	681631	56.8	57.6	0.80	0.85	685	497	0.1	0.029	0.113	0.2	9.23	5	120	0.8	2	5.99
14	J	681632	57.6	58.4	0.80	0.81	399	288	0.1	0.007	0.103	0.136	8.06	5	180	0.5	2	6.41
14	J	681633	58.4	59	0.80	0.72	454	570	0.1	0.03	0.0979	0.2	9.85	5	130	0.5	2	5.88
14	J	681634	59	59.7	0.70	0.74	433	469	0.1	0.004	0.0241	0.127	9.88	9	120	0.5	2	6.18
14	J	681635	59.7	60.4	0.70	0.77	493	619	0.1	0.001	0.0206	0.012	11	5	90	0.5	2	6.68
14	J	681636	60.4	61	0.80	0.66	542	502	0.1	0.002	0.0245	0.018	9.79	13	80	0.5	2	5.93
14	J	681637	61	61.8	0.80	0.76	902	1450	0.1	0.004	0.0322	0.089	9.25	22	60	0.5	2	6.12
14	J	681638	61.8	62.6	0.80	0.80	753	1070	0.1	0.002	0.0205	0.053	8.7	14	50	0.5	2	6.71
14	J	681639	62.6	63.4	0.80	0.86	738	906	0.1	0.002	0.0229	0.035	8.58	7	80	0.5	2	5.96
14	J	681640	63.4	64.1	0.70	0.75	745	832	0.1	0.002	0.017	0.046	8.16	5	100	0.5	2	5.81
14	K	681641	53.5	54.4	0.9	0.90	449	702	0.1	0.002	0.124	0.174	6.48	5	50	0.5	2	7.44
14	K	681642	54.4	55.2	0.8	0.83	294	458	0.1	0.002	0.116	0.118	8.1	5	60	0.5	2	6.92
14	K	681643	55.2	56	0.8	0.93	290	324	0.1	0.001	0.0668	0.082	8.87	5	60	0.5	2	6.38
14	K	681644	56	56.8	0.8	0.83	234	296	0.1	0.004	0.093	0.072	6.2	5	60	0.5	2	6.66
14	K	681645	56.8	57.4	0.6	0.74	543	279	0.1	0.008	0.0608	0.108	6.83	5	60	0.5	2	7.45
14	K	681646	57.4	58.1	0.7	0.83	410	430	0.1	0.006	0.0904	0.137	8.27	5	80	0.5	2	6.85
14	K	681647	58.1	58.9	0.8	0.81	242	267	0.1	0.002	0.101	0.031	10.35	5	140	0.5	2	7.08
14	K	681648	58.9	59.7	0.8	0.86	604	785	0.1	0.002	0.211	0.05	9.57	5	140	0.5	2	5.81
14	K	681649	59.7	60.5	0.8	0.64	556	794	0.1	0.002	0.0252	0.027	10.85	7	150	0.5	2	6.18
14	K	681650	60.5	61.3	0.8	0.89	542	366	0.1	0.003	0.0332	0.024	10.3	7	110	0.5	2	6.45
14	K	681651	61.3	61.9	0.6	0.52	962	661	0.1	0.007	0.0294	0.081	9.79	17	100	0.5	2	5.72
14	K	681652	61.9	62.5	0.6	0.54	338	424	0.1	0.002	0.0679	0.024	9.2	5	60	0.5	2	6
14	K	681653	62.5	63.3	0.8	0.90	658	464	0.1	0.003	0.0472	0.016	8.05	5	100	0.5	2	6.24
14	K	681654	63.3	64	0.7	0.72	410	161	0.1	0.006	0.147	0.047	7.18	5	60	0.5	2	7.13

0.5	72	74	10.5	0.47	2.97	1120	1	2	1870	2	0.56	5	186	0.51	313	10	68
0.5	361	14	11.55	0.52	0.83	546	1	2.31	5220	2	5.24	5	207	0.45	211	10	29
0.5	292	44	9.29	0.31	0.64	698	1	3.22	1630	2	3.37	5	232	1.11	183	10	23
0.5	129	11	5.66	0.47	0.31	386	1	3.49	660	2	2	5	276	0.52	58	10	19
0.5	85	58	5.94	0.39	0.75	535	15	3.31	530	3	1.24	5	253	0.74	102	10	29
0.5	84	71	8.16	0.29	2.49	859	1	2.7	1100	5	0.84	7	185	0.12	169	10	55
0.5	125	64	8.83	0.25	2.27	771	1	3.02	2230	5	1.56	5	190	0.1	298	10	46
0.5	72	113	10.1	0.21	3.96	1160	1	2.32	990	4	0.72	5	132	0.08	197	10	62
0.5	50	138	10	0.26	3.87	1170	2	2.37	380	2	0.23	6	137	0.1	250	10	62
0.5	49	95	9.12	0.32	3.79	1160	1	2.34	290	5	0.26	5	144	0.18	192	10	56
0.5	76	93	11	0.36	3.71	1490	1	2.14	600	6	0.84	5	122	1	331	10	81
0.5	78	190	11	0.38	3.61	1540	1	1.96	820	3	1.02	5	109	1.35	349	10	72
0.5	81	235	12.75	0.32	4.82	1800	1	1.46	780	2	0.93	5	77	1.3	253	10	83
0.5	72	69	11.9	0.31	4.57	1665	1	1.85	260	3	0.55	6	94	1.08	268	10	84
0.5	72	86	11.85	0.32	4.22	1465	1	1.85	680	5	0.67	5	102	0.81	415	10	93
0.5	73	53	11.35	0.32	4.11	1430	1	2.04	680	7	0.74	5	123	0.71	285	10	96
0.5	76	142	10.85	0.27	3.57	1600	1	2.11	710	7	0.89	5	121	1.49	199	10	71
0.5	67	73	11.5	0.29	4.36	1545	1	1.67	680	5	0.52	5	101	0.87	327	10	83
0.5	82	87	12.35	0.27	4.61	1630	1	1.61	870	5	0.82	5	90	0.81	328	10	91
0.5	80	61	12.5	0.3	4.51	1550	1	1.58	1080	2	0.72	5	98	0.87	434	10	85
0.5	66	83	11.4	0.34	3.93	1435	1	2	570	4	0.47	5	120	0.82	338	10	81
0.5	74	61	11.85	0.29	4.13	1530	1	1.78	1000	4	0.54	5	106	0.78	390	10	84
0.5	80	86	12	0.35	4.03	1535	1	1.72	740	2	0.63	5	97	0.82	334	10	84
0.5	87	62	11.8	0.55	3.51	1295	2	2	3600	6	0.8	5	114	0.73	302	10	71
0.5	73	104	12.4	0.29	4.35	1635	1	1.67	920	7	0.39	5	94	0.84	491	10	86
0.5	85	47	10.7	0.36	3.28	1270	1	2.05	1200	8	0.79	5	140	0.68	323	10	74
0.5	74	68	9.7	0.53	2.97	1045	1	2.71	1180	5	0.77	5	150	0.61	205	10	67
0.5	58	150	11.3	0.88	4.25	1260	1	1.92	400	2	0.29	5	97	0.6	369	10	90
0.5	80	106	8.84	0.51	2.31	856	1	2.92	740	5	0.77	5	148	0.56	241	10	58
0.5	72	63	7.74	0.49	1.92	718	1	2.85	2450	6	0.6	5	170	0.2	306	10	51
0.5	74	90	7.53	0.39	2.13	721	1	3.06	1210	9	0.77	11	197	0.09	174	10	50
0.5	65	91	9.46	0.38	2.82	907	1	2.76	970	5	0.64	5	151	0.1	111	10	62
0.5	153	59	9.43	0.29	2.04	727	9	2.86	3980	2	1.79	5	164	0.11	305	10	47
0.5	125	43	10.65	0.27	2.95	928	1	2.51	3390	11	1.28	5	142	0.12	385	10	61
0.5	113	122	10.85	0.35	3.66	1090	2	2.74	1590	6	1.17	5	136	0.16	321	10	71
0.5	108	88	10.3	0.44	3.74	1020	1	2.49	2310	8	1.25	5	125	0.17	368	10	66
0.5	98	80	13.05	0.3	4.56	1650	1	1.53	1320	2	0.85	5	85	0.91	623	10	67
0.5	69	44	10.9	0.31	3.98	1480	2	1.77	810	3	0.54	5	105	0.69	271	10	52
0.5	57	82	9.26	0.33	3.14	1260	3	1.86	570	4	0.4	5	121	0.77	185	10	43
0.5	59	76	11.65	0.35	4.27	1550	1	1.34	1290	2	0.2	5	73	1	480	10	65
0.5	55	97	12.1	0.36	4.45	1580	1	1.5	1500	4	0.25	5	86	1.05	496	10	74
0.5	69	59	9.83	0.39	3.39	1160	2	1.91	1070	4	0.46	5	118	0.67	458	10	69
0.5	48	96	7.62	0.48	2.56	981	4	2.58	940	4	0.28	5	180	0.58	189	10	65
0.5	99	61	9.35	0.61	2.66	1140	5	3.01	1080	10	1.08	5	161	0.98	310	10	63
0.5	110	83	7.58	0.54	1.77	654	2	3.48	2090	9	0.93	5	217	0.13	170	10	48
0.5	68	55	6.84	0.42	1.79	671	4	2.89	760	5	0.54	5	200	0.07	92	10	49
0.5	96	90	8.07	0.36	2.24	785	1	3.2	2190	4	0.96	5	186	0.14	209	10	47
0.5	64	73	7.88	0.24	2.81	941	2	2.77	980	3	0.58	5	168	0.1	205	10	54
0.5	99	193	15.9	0.58	2.8	1970	6	1.43	270	5	1.16	5	45	0.1	194	10	76
0.5	60	100	13.95	0.36	2.65	2110	3	1.24	2180	4	0.37	5	67	0.17	219	10	78

14	K	681655	64	64.7	0.7	0.72	199	220	0.1	0.001	0.0823	0.013	8.65	5	60	0.5	2	5.83
14	K	681656	64.7	65.3	0.6	0.60	309	248	0.1	0.002	0.0691	0.051	8.89	5	70	0.5	2	5.34
14	K	681657	65.3	65.9	0.6	0.64	88	151	0.1	0.001	0.0874	0.015	8.42	5	60	0.5	2	5.51
14	L	681658	62	62.8	0.80	0.74	651	883	0.1	0.002	0.0318	0.058	9.22	41	60	0.5	2	5.81
14	L	681659	62.8	63.4	0.60	0.72	285	513	0.1	0.001	0.0213	0.014	8.72	12	50	0.5	2	6.13
14	L	681660	63.4	63.9	0.50	0.54	769	1020	0.1	0.002	0.0375	0.03	8.59	5	50	0.5	2	6.3
14	L	681661	63.9	64.5	0.80	0.68	523	659	0.1	0.006	0.0211	0.041	8.53	5	40	0.5	2	6.32
14	L	681662	64.5	65.5	1.00	0.99	777	658	0.1	0.005	0.0251	0.019	9.06	5	40	0.5	2	6.41
14	L	681663	65.5	66.2	0.70	0.76	568	371	0.1	0.004	0.0203	0.015	9.57	5	40	0.5	2	5.82
14	M	681664	67.5	68.3	0.80	0.83	150	134	0.8	0.002	0.227	0.027	9.03	5	40	0.5	2	5.38
14	M	681665	68.3	69.1	0.80	0.81	190	124	0.1	0.004	0.0855	0.041	8.22	5	40	0.5	2	5.6
14	M	681666	69.1	70	0.90	0.85	1405	333	0.1	0.04	0.32	0.64	7.58	6	40	0.5	2	6.02
14	M	681667	70	70.6	0.80	0.65	7870	908	1.1	0.118	0.344	0.634	7.75	30	30	0.5	2	6.68
14	N	681668	72.6	73.6	1.00	1.11	103	85	0.1	0.004	0.013	0.014	7.94	12	40	0.5	2	6.77
14	N	681669	73.6	74.6	1.00	1.00	35	47	0.1	0.001	0.0035	0.003	7.32	5	30	0.5	2	6.4
14	N	681670	74.6	75.6	1.00	1.05	252	103	0.1	0.008	0.0267	0.061	7.43	5	40	0.5	2	6.64
14	N	681671	75.6	76.6	1.00	1.05	70	65	0.1	0.002	0.0106	0.009	7.51	5	50	0.5	2	6.37
14	N	681672	76.6	77.6	1.00	1.04	134	113	0.1	0.004	0.0141	0.027	7.95	5	70	0.5	2	6.74
14	N	681673	77.6	78.6	1.00	1.12	27	57	0.1	0.001	0.006	0.006	7.91	5	50	0.5	2	6.87
14	N	681674	78.6	79.3	0.70	0.71	164	103	0.1	0.021	0.0105	0.044	7.64	5	50	0.5	2	6.75
14	N	681675	79.3	80.1	0.80	0.75	71	64	0.1	0.001	0.0039	0.003	7.83	18	40	0.5	2	6.44
14	P	681676	76.4	77	0.80	0.71	37	43	0.1	0.001	0.0032	0.002	7.72	5	30	0.5	2	6.82
14	P	681677	77	78	1.00	1.10	52	54	0.1	0.001	0.0036	0.003	7.74	5	30	0.5	2	6.79
14	P	681678	78	79	1.00	1.07	179	104	0.1	0.002	0.341	0.011	7.3	5	90	0.5	2	5.52
14	P	681679	79	80	1.00	1.13	38	98	0.1	0.001	0.0568	0.009	8.02	5	50	0.5	2	5.93
14	P	681680	80	81	1.00	1.09	67	93	0.1	0.002	0.0208	0.03	7.85	12	40	0.5	2	6.42
14	P	681681	81	82	1.00	1.13	353	186	0.1	0.01	0.0342	0.083	7.64	8	40	0.5	2	6.45
14	P	681682	82	83	1.00	1	24	30	0.1	0.001	0.0029	0.002	7.62	5	40	0.5	2	6.82
14	P	681683	83	84	1.00	1.05	414	58	0.1	0.012	0.033	0.054	7.55	14	70	0.5	2	6.42
14	P	681684	84	84.8	0.80	0.93	13	33	0.1	0.001	0.0031	0.002	7.45	5	50	0.5	2	6.55
14	P	681685	84.8	85.4	0.60	0.69	21	35	0.1	0.001	0.0028	0.002	7.55	5	110	0.5	2	6.61
14	Q	681686	83.8	84.4	0.60	0.56	32	39	0.1	0.001	0.0021	0.002	7.45	18	50	0.5	2	6.48
14	Q	681687	84.4	85.1	0.70	0.56	174	44	0.1	0.003	0.0027	0.002	7.43	20	120	0.5	2	6.55
14	Q	681688	85.1	85.5	0.40	0.57	375	55	0.1	0.004	0.0016	0.002	8.29	5	310	0.9	2	5.04
14	Q	681689	85.5	86.3	0.80	0.79	265	119	0.1	0.005	0.0048	0.008	8.05	11	100	0.5	2	6.54
14	Q	681690	86.3	87.2	0.90	0.98	1080	334	0.1	0.022	0.0045	0.01	7.24	7	80	0.6	2	6.57
14	Q	681691	87.2	87.8	0.60	0.6	24	303	0.1	0.001	0.0054	0.006	7.54	11	320	1.2	2	6.34
14	Q	681692	87.8	88.1	0.30	0.38	950	118	0.1	0.007	0.0048	0.006	8.72	6	90	0.8	2	6.25
14	Q	681693	88.1	89	0.90	0.9	48	418	0.1	0.002	0.0108	0.01	6.16	6	300	1.1	3	7.15
14	Q	681694	89	89.9	0.90	0.94	64	311	0.1	0.001	0.0098	0.005	6.81	5	210	1	2	7.44
14	Q	681695	89.9	90.7	0.80	1.02	291	40	0.1	0.002	0.003	0.002	7.44	14	60	0.5	2	6.32
14	Q	681696	90.7	91.5	0.80	0.89	46	54	0.1	0.001	0.0024	0.001	7.48	5	60	0.5	2	6.36
14	Q	681697	91.5	92.5	1.00	0.83	75	37	0.1	0.001	0.0031	0.002	7.4	12	50	0.5	2	6.62
14	Q	681698	92.5	93.5	1.00	0.79	43	39	0.1	0.002	0.0031	0.002	7.29	12	40	0.5	2	6.67
14	Q	681699	93.5	94.5	1.00	1.03	213	65	0.1	0.003	0.003	0.008	7.56	5	60	0.5	2	6.33
14	Q	681700	94.5	95.4	0.90	0.94	323	80	0.1	0.02	0.0171	0.056	7.16	9	60	0.5	2	6.52
14	R	681701	82.7	83.6	0.90	0.86	845	306	0.1	0.086	0.0094	0.036	8.6	11	110	0.5	2	6.26
14	R	681702	83.6	84.4	0.80	0.93	217	150	0.1	0.005	0.0058	0.009	8.4	8	230	0.6	2	6.34
14	R	681703	84.4	85	0.60	0.64	85	50	0.1	0.002	0.0028	0.002	7.02	5	70	0.6	2	6.97
14	R	681704	85	85.5	0.50	0.49	315	127	0.1	0.006	0.0252	0.035	7.44	5	80	0.5	3	6.33

0.5	47	117	8.31	0.28	3	1100	4	2.5	640	6	0.24	5	162	0.12	293	10	48
0.5	52	91	8.2	0.32	2.81	1080	1	2.56	440	8	0.32	5	167	0.24	179	10	38
0.5	39	150	9.2	0.31	3.48	1340	1	2.26	270	2	0.14	5	154	0.26	200	10	40
0.5	109	63	9.65	0.32	2.96	913	1	2.88	2280	6	1.12	5	145	0.14	385	10	57
0.5	69	125	9.24	0.28	3.31	936	3	2.62	1210	5	0.5	5	119	0.1	265	10	63
0.5	126	85	10.9	0.28	3.55	1090	2	2.62	1620	6	1.37	5	123	0.12	553	10	75
0.5	99	146	10.15	0.27	3.34	1100	3	2.33	2080	6	1.03	5	123	0.29	337	10	90
0.5	101	138	10	0.26	3.3	1150	2	2.49	1180	7	1.12	9	136	0.59	309	10	82
0.5	65	103	8.85	0.2	2.8	959	2	2.99	610	12	0.57	5	160	0.11	256	10	65
0.5	44	93	8.69	0.18	2.91	1146	1	3.02	320	7	0.17	5	189	0.84	323	10	41
0.5	45	129	9.32	0.21	3.78	1150	1	2.49	220	12	0.08	5	143	0.68	323	10	42
0.5	51	86	9.85	0.17	4.26	1215	1	2.24	140	2	0.23	5	125	0.75	348	10	44
0.5	66	108	10.35	0.14	3.98	1185	1	2.28	310	5	1	10	145	0.82	380	10	45
0.5	51	78	10.45	0.17	2.73	1325	1	2.73	150	7	0.04	5	166	0.87	417	10	46
0.5	49	113	10.7	0.16	2.81	1315	1	2.41	170	5	0.01	5	144	0.87	400	10	46
0.5	47	66	10.8	0.17	2.8	1315	1	2.4	190	4	0.04	5	170	0.86	397	10	47
0.5	51	118	11	0.2	2.71	1275	1	2.65	180	10	0.03	5	166	0.84	406	10	48
0.5	49	207	9.85	0.22	3.57	1180	1	2.51	390	6	0.07	8	223	0.84	382	10	48
0.5	53	116	10.9	0.23	3.11	1190	1	2.24	190	5	0.01	8	153	0.93	434	10	40
0.5	50	75	11.15	0.2	3.04	1270	1	2.14	170	5	0.08	5	145	0.9	436	10	49
0.5	44	118	10.85	0.18	2.96	1310	1	2.45	200	7	0.01	7	159	0.91	406	10	48
0.5	48	100	10.3	0.15	3.16	1450	1	2.32	250	2	0.01	5	158	0.96	412	10	57
0.5	46	93	9.86	0.13	3.55	1460	1	2.34	210	2	0.01	5	163	0.96	396	10	56
0.5	57	138	13.45	0.32	3.48	1590	3	1.74	60	4	0.08	5	96	0.71	390	10	65
0.5	53	76	12.1	0.22	2.97	1470	4	2.41	80	2	0.02	5	131	0.91	360	10	54
0.5	47	117	10.7	0.18	2.89	1310	1	2.51	140	3	0.03	5	167	0.9	432	10	43
0.5	57	69	10.75	0.19	2.83	1310	1	2.39	250	2	0.14	5	162	0.98	434	10	45
0.5	46	93	10.5	0.19	3.09	1420	1	2.38	400	4	0.01	5	179	1.05	398	10	47
0.5	48	65	11.15	0.27	2.99	1490	1	2.43	550	6	0.06	5	182	1.07	403	10	55
0.5	46	103	10.9	0.23	2.84	1360	1	2.13	570	2	0.01	5	158	1.06	387	10	52
0.5	45	64	10.7	0.37	3.07	1430	1	2.05	540	2	0.01	5	193	1.06	384	10	60
0.5	47	96	11	0.23	2.96	1400	1	2.26	530	3	0.01	6	192	1.05	389	10	56
0.5	40	67	9.93	0.35	2.93	1420	1	2.14	490	7	0.04	5	299	0.96	358	10	59
0.5	35	139	6	0.54	2.35	694	1	3.24	970	2	0.31	5	850	0.52	155	10	40
0.5	52	151	10.5	0.35	3.8	1540	1	2.29	310	7	0.05	5	265	0.83	355	10	74
0.5	55	364	10.25	0.29	5.45	1430	1	1.82	630	4	0.1	7	310	0.68	285	10	90
0.5	45	663	7.29	1.2	7.13	1130	1	1.72	1530	3	0.01	5	576	0.33	137	10	82
0.5	66	115	7.83	0.27	3.14	1060	1	3.07	540	9	0.51	6	804	1.09	417	10	65
0.5	55	843	6.9	1.24	8.85	1250	1	0.94	1350	2	0.01	7	266	0.33	140	10	106
0.5	47	895	6.45	0.75	7.8	1180	1	1.43	1270	5	0.01	5	512	0.42	167	10	93
0.5	49	68	10.85	0.28	2.83	1330	1	2.38	420	2	0.06	5	318	0.98	379	10	62
0.5	49	109	10.85	0.25	2.81	1320	1	2.44	590	5	0.01	5	222	0.99	379	10	52
0.5	48	60	10.65	0.22	2.91	1260	1	2.35	630	6	0.01	5	175	1.04	378	10	50
0.5	46	98	10.65	0.2	2.89	1230	1	2.2	560	4	0.01	5	153	1	364	10	50
0.5	47	64	10.7	0.24	2.55	1100	1	2.35	390	4	0.04	5	153	1.02	385	10	37
0.5	53	98	12.25	0.27	2.69	1280	1	2.04	540	5	0.03	9	134	0.98	384	10	46
0.5	54	149	10.05	0.29	3.59	1210	1	2.45	420	7	1.19	5	348	0.63	274	10	66
0.5	52	197	9.63	0.67	3.73	1270	1	2.26	350	2	0.06	5	281	0.7	300	10	74
0.5	46	60	10.65	0.28	2.83	1415	1	2.05	500	3	0.02	5	166	1.03	391	10	69
0.5	41	162	10.15	0.27	3.6	1365	1	2.62	540	2	0.14	5	356	0.96	376	10	57

14	R	681705	85.5	86.3	0.80	0.84	34	323	0.1	0.002	0.0193	0.027	6.57	9	240	0.9	2	6.82
14	R	681706	86.3	87.2	0.90	0.99	4390	289	2.2	0.083	0.474	0.787	7.9	6	100	0.5	4	5.81
15	A	681707	0	0.7	0.70	0.73	34	77	0.1	0.002	0.0031	0.002	9.32	5	100	0.7	2	7.41
15	A	681708	0.7	1.5	0.80	0.81	86	141	0.1	0.002	0.0013	0.001	10	5	100	0.1	2	7.23
15	A	681709	1.5	2.3	0.80	0.80	31	32	0.1	0.001	0.0019	0.001	11.15	5	120	0.1	3	7.59
15	A	681710	2.3	3.1	0.80	0.79	37	42	0.1	0.001	0.0016	0.001	10	5	60	0.1	2	7.49
15	A	681711	3.1	3.9	0.80	0.81	27	103	0.1	0.001	0.0017	0.001	11.1	5	50	0.1	4	7.46
15	A	681712	3.9	4.5	0.80	0.65	38	162	0.1	0.001	0.0019	0.001	9.56	5	50	0.1	2	7.01
15	A	681713	4.5	5.5	1.00	0.58	29	90	0.1	0.001	0.0017	0.001	10.45	7	140	0.1	2	7
15	A	681714	5.5	6.4	0.90	0.95	52	160	0.1	0.001	0.0024	0.004	8.61	5	340	1.2	2	5.36
15	B	681715	2.3	3	0.70	0.70	130	35	0.1	0.003	0.0011	0.001	11.1	5	160	0.1	2	7
15	B	681716	3	4	1.00	1.04	28	30	0.1	0.001	0.0013	0.001	10.05	5	100	0.1	2	6.98
15	B	681717	4	5	1.00	0.98	24	33	0.1	0.001	0.0013	0.001	11.2	5	120	0.1	3	7.51
15	B	681718	5	5.6	0.80	0.58	89	31	0.1	0.002	0.0013	0.001	10.7	5	150	0.1	2	7.18
15	B	681719	5.6	6.3	0.70	0.59	49	135	0.1	0.001	0.0031	0.003	8.48	5	210	1.1	2	5.2
15	B	681720	6.3	7	0.70	0.52	37	199	0.1	0.001	0.0036	0.006	7.46	5	280	1.1	2	5.1
15	B	681721	7	8	1.00	0.91	35	251	0.1	0.001	0.0043	0.007	7.2	15	240	1	2	5.36
15	B	681722	8	9	1.00	1.10	67	164	0.1	0.001	0.0025	0.004	7.32	5	180	0.9	2	4.79
15	B	681723	9	9.9	0.90	0.59	100	79	0.1	0.004	0.0019	0.001	10	5	100	0.1	2	7.31
15	B	681724	9.9	10.3	0.40	0.58	23	38	0.1	0.001	0.0015	0.001	11.5	5	120	0.1	3	7.7
15	C	681725	5	5.7	0.70	0.73	56	265	0.1	0.001	0.0051	0.008	7.02	5	280	1	2	5.19
15	C	681726	5.7	6.4	0.70	0.72	44	287	0.1	0.001	0.0067	0.01	6.61	6	290	0.9	2	5.21
15	C	681727	6.4	7.1	0.70	0.66	46	226	0.1	0.001	0.0029	0.005	6.59	11	260	0.9	2	4.81
15	C	681728	7.1	8.2	1.10	0.48	504	373	0.1	0.002	0.0078	0.002	5.39	5	40	0.1	3	5.76
15	C	681729	8.2	9	0.80	0.81	11	28	0.1	0.001	0.0019	0.001	10.7	5	160	0.1	4	6.57
15	C	681730	9	10	1.00	1.02	45	29	0.1	0.001	0.0011	0.001	11.5	5	110	0.1	2	7.57
15	C	681731	10	10.7	0.70	0.69	82	24	0.1	0.001	0.0015	0.001	11.3	5	80	0.1	2	8.37
15	C	681732	10.7	11.3	0.60	0.84	118	34	0.1	0.002	0.0018	0.001	11.2	5	90	0.1	2	8
15	C	681733	11.3	11.7	0.40	0.41	62	104	0.1	0.001	0.0021	0.001	9.52	5	120	0.1	2	6.64
15	C	681734	11.7	12.5	0.80	0.88	29	60	0.1	0.001	0.0029	0.002	11	5	100	0.1	2	7.89
15	C	681735	12.5	13.3	0.80	1.06	165	33	0.6	0.004	0.0017	0.001	11.7	11	60	0.1	2	8.45
15	C	681736	13.3	14	0.70	0.68	84	60	0.1	0.002	0.002	0.001	11.2	5	70	0.1	2	8.6
15	C	681737	14	15	1.00	1.02	54	112	0.1	0.002	0.0017	0.001	10.35	9	60	0.1	2	7.91
15	C	681738	15	16	1.00	1.09	35	73	0.1	0.001	0.0013	0.001	11.7	5	80	0.1	2	8.5
15	C	681739	16	17	1.00	1.03	34	112	0.1	0.001	0.0016	0.001	11.2	5	60	0.1	2	8.18
15	C	681740	17	18	1.00	1.02	36	106	0.1	0.001	0.0019	0.001	11.15	5	40	0.1	2	8.73
15	C	681741	18	19	1.00	1.01	34	89	0.1	0.001	0.0024	0.001	11.2	5	40	0.1	2	8.83
15	C	681742	19	20	1.00	0.99	90	62	0.1	0.002	0.0021	0.001	12.35	5	30	0.1	2	9.05
15	C	681743	20	21	1.00	1.04	46	51	0.1	0.002	0.002	0.001	12.4	5	60	0.1	2	7.98
15	C	681744	21	21.7	0.70	0.72	26	62	0.1	0.001	0.0023	0.001	11.3	8	50	0.1	2	8.91
15	C	681745	21.7	22	0.30	0.33	10	78	0.1	0.001	0.0026	0.001	10.7	5	90	0.1	2	7.69
15	C	681746	22	23	1.00	1.12	46	63	0.1	0.001	0.0042	0.001	12.55	5	60	0.1	2	8.63
15	C	681747	23	24	1.00	1.00	122	51	0.1	0.002	0.0028	0.001	11.2	5	50	0.1	2	8.34
15	C	681748	24	24.8	0.80	0.84	47	90	0.1	0.001	0.002	0.001	10.8	5	40	0.1	2	8.71
15	D	681749	11.8	12.6	0.80	0.98	23	46	0.1	0.001	0.0019	0.001	11.65	5	60	0.1	2	8.9
15	D	681750	12.6	13.4	0.80	0.79	47	47	0.1	0.001	0.002	0.001	10.9	5	90	0.1	2	8.39
15	D	681751	13.4	14.2	0.80	0.82	75	107	0.1	0.001	0.0029	0.002	12.35	5	60	0.1	2	9.07
15	D	681752	14.2	15	0.80	0.79	68	71	0.1	0.002	0.0021	0.001	11.3	5	50	0.1	2	8.85
15	D	681753	15	15.6	0.60	1.11	36	75	0.1	0.001	0.0013	0.001	11.2	5	50	0.1	2	8.87
15	D	681754	15.6	16.2	0.80	0.56	35	62	0.1	0.001	0.0022	0.001	11.4	5	60	0.1	2	8.19

0.5	42	725	7.88	0.89	7.47	1255	1	1.33	1300	11	0.01	5	312	0.33	153	10	93
0.5	38	106	9.75	0.27	2.95	1125	1	3.19	320	8	0.58	5	719	0.99	389	10	66
0.1	33	124	5.39	0.34	4.24	904	1	1.96	840	3	0.01	5	270	0.28	132	10	57
0.1	54	24	7.37	0.33	3.53	871	1	1.55	30	2	0.03	5	130	0.17	87	10	59
0.1	23	6	5.41	0.35	1.26	662	1	2.48	20	2	0.01	5	201	0.58	271	10	36
0.1	28	46	5.24	0.19	1.91	613	1	1.78	100	2	0.01	5	147	0.18	96	10	41
0.1	45	13	7.11	0.18	3.14	832	1	1.54	70	2	0.01	5	135	0.17	99	10	59
0.1	56	34	7.33	0.12	4.16	969	1	1.2	50	2	0.02	5	118	0.09	54	10	80
0.1	35	21	6.26	0.38	2.96	875	1	1.73	110	3	0.02	5	219	0.21	119	10	74
0.1	35	256	5.59	0.94	4.42	873	1	2.56	870	5	0.09	5	422	0.3	128	10	68
0.1	32	49	5.56	0.5	1.5	696	1	2.31	20	2	0.03	5	173	0.36	238	10	40
0.1	23	11	4.93	0.26	1.37	619	1	2.38	20	6	0.01	5	182	0.31	169	10	33
0.1	22	46	5.14	0.34	1.57	653	1	2.27	20	2	0.01	5	219	0.29	143	10	31
0.1	23	11	5.31	0.47	1.3	715	1	2.57	40	2	0.02	5	258	0.6	209	10	36
0.1	33	202	5.5	0.65	4.09	891	1	2.66	840	2	0.04	5	358	0.3	128	10	59
0.1	34	379	5.28	0.97	5.34	932	1	2.1	800	2	0.02	5	317	0.28	120	10	68
0.1	39	499	5.41	0.89	6.28	956	1	1.67	700	2	0.02	5	288	0.26	118	10	72
0.1	36	264	5.36	0.67	4.24	837	1	1.95	700	2	0.04	5	275	0.26	113	10	62
0.1	35	32	6.45	0.33	2.62	881	1	1.33	40	2	0.04	5	216	0.46	315	10	48
0.1	24	7	4.73	0.47	1.67	604	1	2.18	20	3	0.02	5	214	0.19	96	10	33
0.1	38	540	5.32	1.03	6.41	949	1	1.57	750	2	0.03	5	281	0.25	119	10	74
0.1	39	575	5.3	1.06	7.04	948	1	1.34	720	2	0.03	5	258	0.23	115	10	73
0.1	35	491	5.12	1.01	5.69	895	1	1.55	680	3	0.04	5	279	0.24	111	10	67
0.1	132	21	13.15	0.13	9.6	1735	1	0.18	50	2	0.89	5	16	0.11	95	10	116
0.1	19	7	4.93	0.49	1.32	696	1	2.27	10	6	0.01	7	269	0.56	251	10	37
0.1	20	8	4.13	0.35	1.15	532	1	2.31	20	2	0.03	5	207	0.28	142	10	32
0.1	18	8	4.48	0.21	0.94	598	1	2.34	20	6	0.03	5	205	0.42	213	10	35
0.1	21	10	5.42	0.29	1.37	718	1	1.81	20	2	0.04	5	172	0.56	377	10	44
0.1	39	187	7.74	0.42	3.65	1000	1	1.29	290	9	0.02	10	95	0.46	209	10	122
0.1	18	93	4.79	0.31	1.88	680	1	2.03	70	2	0.01	8	173	0.35	197	10	58
0.1	21	17	4.58	0.23	1.57	680	1	2.08	30	2	0.05	5	170	0.38	203	10	46
0.1	31	21	5.87	0.22	2.38	765	1	1.41	110	7	0.03	5	146	0.25	181	10	50
0.1	43	8	6.12	0.19	2.69	742	1	1.28	90	6	0.03	5	128	0.17	104	10	49
0.1	28	11	5.68	0.25	2.06	668	1	1.69	20	7	0.03	5	154	0.2	104	10	42
0.1	43	6	6.64	0.23	3.03	817	1	1.4	30	2	0.02	11	131	0.2	80	10	53
0.1	40	9	6.15	0.13	3.05	806	1	1.36	50	6	0.01	7	124	0.15	82	10	46
0.1	36	7	6.07	0.18	2.31	740	1	1.7	40	6	0.01	5	142	0.21	118	10	44
0.1	29	6	5.71	0.17	2	684	1	1.88	150	2	0.02	5	149	0.22	135	10	39
0.1	27	7	5.32	0.25	1.75	684	1	2.56	20	5	0.01	5	171	0.42	158	10	37
0.1	34	21	6.09	0.25	2.53	773	1	1.6	50	10	0.01	5	132	0.18	154	10	43
0.1	32	10	5.64	0.28	2.33	743	1	2.17	40	5	0.01	5	131	0.25	166	10	36
0.1	30	13	5.66	0.26	2.11	731	1	1.99	40	2	0.01	5	160	0.5	185	10	30
0.1	29	44	5.25	0.19	2.21	684	1	1.79	40	6	0.02	5	140	0.25	173	10	31
0.1	37	17	5.73	0.14	2.78	786	1	1.71	50	3	0.01	5	146	0.14	91	10	36
0.1	23	11	4.64	0.14	1.65	608	1	1.83	60	2	0.01	5	165	0.23	116	10	50
0.1	23	6	4.33	0.31	1.51	586	1	1.71	30	2	0.03	5	148	0.24	132	10	46
0.1	39	50	6.19	0.23	3.32	868	1	1.51	80	5	0.03	9	133	0.14	106	10	67
0.1	33	12	5.35	0.17	2.36	726	1	1.45	50	2	0.01	7	139	0.24	138	10	49
0.1	35	9	5.45	0.21	2.72	753	1	1.45	40	5	0.01	5	135	0.17	102	10	47
0.1	32	18	5.79	0.25	2	711	1	1.86	50	6	0.02	5	142	0.1	84	10	43

15	D	681755	16.2	17	0.80	0.81	53	81	0.1	0.001	0.0026	0.001	11.9	5	70	0.1	2	8.43
15	D	681756	17	18	1.00	1.01	41	29	0.1	0.001	0.0021	0.001	10.85	5	60	0.1	2	8.2
15	D	681757	18	19	1.00	1.02	31	95	0.1	0.001	0.0017	0.001	10.35	5	50	0.1	2	8.27
15	D	681758	19	20	1.00	1.01	56	79	0.1	0.001	0.002	0.001	10.8	5	40	0.1	2	8.25
15	D	681759	20	21	1.00	0.96	34	105	0.1	0.001	0.003	0.001	10.9	5	40	0.1	2	8.08
15	D	681760	21	22	1.00	0.99	52	155	0.7	0.002	0.0029	0.002	9.49	6	30	0.1	2	6.96
15	D	681761	22	23	1.00	1.01	59	48	0.1	0.001	0.0025	0.001	10.85	5	40	0.1	2	7.8
15	D	681762	23	23.85	0.85	0.94	65	84	0.1	0.001	0.0033	0.001	11.25	5	60	0.1	2	8.25
15	D	681763	23.85	24.05	0.20	0.25	12	109	0.1	0.001	0.0033	0.001	10.4	5	60	0.1	2	8.37
15	D	681764	24.05	25	0.95	0.94	52	71	0.1	0.001	0.0046	0.001	11.35	5	50	0.1	2	8.54
15	D	681765	25	26	1.00	1.03	64	86	0.1	0.001	0.0035	0.001	10.8	5	30	0.1	2	8.41
15	D	681766	26	27	1.00	0.99	36	78	0.1	0.001	0.0048	0.001	12	5	50	0.1	2	8.7
15	D	681767	27	27.5	0.50	0.63	94	117	0.1	0.003	0.0037	0.002	9.98	5	100	0.1	2	7.49
15	D	681768	27.5	28.5	1.00	1.07	171	33	0.1	0.004	0.0121	0.012	10.1	5	40	0.1	2	7.73
15	D	681769	28.5	29.5	1.00	0.92	131	33	0.1	0.002	0.0011	0.001	10.1	5	40	0.1	2	8.13
15	D	681770	29.5	30.5	1.00	0.61	107	130	0.1	0.001	0.0025	0.001	8.35	5	30	0.1	2	7.5
15	D	681771	30.5	31.5	1.00	1.12	91	119	0.1	0.001	0.0024	0.001	8.26	5	30	0.1	2	7.46
15	D	681772	31.5	32.2	0.70	0.79	89	124	0.1	0.001	0.0024	0.001	8.01	5	40	0.1	2	6.91
15	D	681773	32.2	32.8	0.60	0.54	104	149	0.1	0.001	0.0026	0.001	8.15	5	30	0.1	2	6.01
15	E	681774	11.7	12.5	0.80	0.99	114	27	0.1	0.002	0.0016	0.001	10.4	5	110	0.1	2	7.74
15	E	681775	12.5	13.3	0.80	0.81	89	91	0.1	0.002	0.0026	0.002	9.4	5	50	0.1	2	7.76
15	E	681776	13.3	14.1	0.80	0.83	62	81	0.1	0.001	0.0018	0.001	10.1	5	40	0.1	2	8.31
15	E	681777	14.1	14.9	0.80	0.78	59	51	0.1	0.002	0.002	0.001	10.95	9	50	0.1	2	8.52
15	E	681778	14.9	15.7	0.80	0.83	52	34	0.1	0.001	0.0019	0.001	10.2	5	60	0.1	2	8.06
15	E	681779	15.7	16.5	0.80	0.81	75	54	0.1	0.001	0.0025	0.001	10.25	6	70	0.1	2	7.79
15	E	681780	16.5	17.3	0.80	0.81	82	79	0.1	0.002	0.0035	0.001	11.1	15	50	0.1	2	8.55
15	E	681781	17.3	18	0.70	0.74	25	139	0.1	0.001	0.002	0.001	9.74	9	50	0.1	2	7.78
15	E	681782	18	19	1.00	0.98	42	61	0.1	0.002	0.0027	0.001	10.75	5	50	0.1	2	7.78
15	E	681783	19	20	1.00	1.00	42	25	0.1	0.001	0.0025	0.001	10.25	10	60	0.1	2	7.34
15	E	681784	20	21	1.00	1.06	50	31	0.1	0.001	0.0029	0.001	10.6	7	60	0.1	2	7.45
15	E	681785	21	22	1.00	1.03	51	100	0.1	0.001	0.0034	0.001	10.45	14	40	0.1	2	7.9
15	E	681786	22	23	1.00	0.92	74	38	0.1	0.002	0.0031	0.001	10.2	8	60	0.1	2	8.5
15	E	681787	23	23.2	0.20	0.37	17	78	0.1	0.001	0.004	0.001	10.3	5	60	0.1	2	7.78
15	E	681788	23.2	24	0.80	0.80	49	40	0.1	0.001	0.0026	0.001	10.3	5	50	0.1	2	7.73
15	E	681789	24	25	1.00	0.98	51	103	0.1	0.001	0.0032	0.001	10.4	15	30	0.1	2	8.49
15	E	681790	25	26	1.00	1.03	30	51	0.1	0.001	0.0022	0.001	11	5	40	0.1	2	8.9
15	E	681791	26	26.7	0.70	0.68	21	120	0.1	0.001	0.006	0.001	10.75	5	50	0.1	2	7.41
15	F	681792	12.7	13.5	0.80	0.82	60	56	0.1	0.001	0.0061	0.002	11.05	5	70	0.1	2	8.82
15	F	681793	13.5	14.3	0.80	0.88	48	91	0.1	0.001	0.0019	0.001	11.25	5	70	0.1	2	8.77
15	F	681794	14.3	15	0.70	0.50	25	153	0.1	0.001	0.0027	0.002	10.3	5	70	0.1	2	7.89
15	F	681795	15	16	1.00	1.13	43	132	0.1	0.001	0.0027	0.001	10	5	60	0.1	2	7.49
15	F	681796	16	16.8	0.80	0.89	20	42	0.1	0.001	0.0028	0.001	10.6	5	60	0.1	2	8.11
15	F	681797	16.8	17.6	0.80	0.90	137	29	0.1	0.001	0.0017	0.007	10.25	5	90	0.1	2	7.71
15	F	681798	17.6	18.3	0.70	0.72	35	48	0.1	0.001	0.0019	0.002	10.7	5	50	0.1	2	8.34
15	F	681799	18.3	19	0.70	0.71	44	105	0.1	0.001	0.0026	0.001	11.2	5	60	0.1	2	8.42
15	F	681800	19	20	1.00	1.01	103	75	0.1	0.002	0.0026	0.001	10.65	9	50	0.1	2	8.44
15	F	681801	20	21	1.00	0.92	43	121	0.1	0.001	0.0023	0.001	9.31	5	30	0.1	2	7.08
15	F	681802	21	22	1.00	1.00	39	80	0.1	0.001	0.0028	0.001	10.4	5	40	0.1	3	7.74
15	F	681803	22	23	1.00	1.00	56	94	0.1	0.001	0.0029	0.001	10.15	5	40	0.1	2	7.95
15	F	681804	23	24	1.00	1.00	44	107	0.1	0.001	0.0033	0.001	9.96	5	40	0.1	2	8.5

0.1	34	7	5.32	0.3	2.21	702	1	1.76	30	13	0.02	5	153	0.23	110	10	60
0.1	21	9	4.44	0.23	1.31	590	1	2.18	30	4	0.01	5	164	0.31	174	10	30
0.1	39	17	5.95	0.19	2.47	817	1	1.82	40	4	0.01	5	138	0.21	108	10	45
0.1	35	9	5.94	0.14	2.04	696	1	1.59	40	2	0.02	7	145	0.18	106	10	39
0.1	40	33	6.41	0.16	2.33	813	1	1.8	90	4	0.02	5	130	0.26	144	10	43
0.1	54	8	7.07	0.15	3.32	873	1	1.21	70	7	0.02	5	89	0.08	44	10	50
0.1	31	79	5.33	0.17	2.11	684	1	1.63	40	2	0.01	5	132	0.18	123	10	31
0.1	39	18	5.91	0.22	2.32	750	1	1.62	100	6	0.03	5	132	0.17	100	10	38
0.1	33	56	6.47	0.18	2.2	857	1	1.79	50	4	0.01	5	147	0.22	105	10	33
0.1	30	27	5.28	0.18	2.06	695	1	2.11	30	4	0.03	5	152	0.23	110	10	29
0.1	33	3	5.92	0.12	2.27	751	1	1.71	30	6	0.06	5	138	0.26	125	10	31
0.1	31	67	6.15	0.2	2.04	811	1	1.79	70	4	0.02	5	157	0.22	113	10	31
0.1	46	11	6.27	0.28	2.61	770	1	1.39	90	2	0.02	5	146	0.13	78	10	52
0.1	24	54	4.72	0.14	1.56	687	1	2.01	100	2	0.02	5	156	0.14	91	10	59
0.1	25	22	4.2	0.11	1.4	657	1	2.06	40	2	0.04	5	165	0.25	150	10	61
0.1	49	258	9.12	0.19	4.55	1510	1	1.37	390	2	0.1	5	91	0.58	231	10	81
0.1	50	225	9.37	0.22	4.52	1620	1	1.31	410	2	0.09	5	95	0.63	252	10	92
0.1	48	239	8.81	0.2	4.39	1570	1	1.25	380	2	0.07	5	97	0.59	232	10	88
0.1	48	246	8.48	0.18	4.53	1460	1	1.23	340	2	0.06	8	98	0.55	209	10	89
0.1	20	66	4.26	0.28	1.35	520	1	2.07	50	2	0.02	5	149	0.3	128	30	53
0.1	37	16	5.86	0.16	2.28	745	1	1.17	60	2	0.08	5	114	0.12	81	10	66
0.1	29	54	4.88	0.13	2.27	682	1	1.46	50	2	0.03	5	129	0.19	99	10	44
0.1	25	6	4.8	0.18	1.65	670	1	1.81	30	2	0.03	5	145	0.35	149	10	34
0.1	22	61	4.5	0.2	1.6	571	2	1.74	50	2	0.02	5	135	0.15	102	10	32
0.1	25	9	4.57	0.27	1.33	554	1	2.26	100	2	0.03	5	149	0.15	86	10	32
0.1	33	49	5.96	0.21	2.02	747	1	1.52	130	5	0.03	5	137	0.34	212	10	44
0.1	45	6	6.87	0.26	3.32	874	1	1.29	60	2	0.01	5	98	0.09	58	10	54
0.1	27	45	5.15	0.21	1.83	651	1	2.1	60	2	0.01	5	143	0.3	83	10	35
0.1	17	5	3.74	0.21	0.79	465	1	2.82	20	2	0.01	5	180	0.27	147	10	24
0.1	22	55	4.84	0.29	1.24	567	1	2.2	30	4	0.02	5	151	0.42	193	10	27
0.1	40	6	6.48	0.14	2.67	726	2	1.48	70	2	0.02	5	120	0.15	95	10	42
0.1	25	61	4.77	0.26	1.47	595	1	2.12	80	2	0.02	5	150	0.26	148	10	27
0.1	23	43	5.44	0.21	1.87	661	1	2.43	50	2	0.01	5	138	0.2	135	10	29
0.1	27	83	5.3	0.22	2.03	661	1	2.41	20	2	0.01	5	144	0.23	148	10	29
0.1	42	62	7.03	0.16	3.19	899	2	1.7	40	2	0.01	5	117	0.27	161	10	42
0.1	24	58	5.26	0.15	1.66	688	1	1.8	30	2	0.03	5	150	0.26	158	10	27
0.1	40	10	6.77	0.28	2.95	888	1	1.72	60	2	0.01	5	120	0.1	58	10	47
0.1	32	70	5.36	0.21	1.62	749	1	1.6	140	2	0.05	5	155	0.36	209	10	45
0.1	34	9	5.87	0.23	2.39	831	1	1.41	110	2	0.04	6	130	0.21	119	10	51
0.1	43	103	6.69	0.28	3.33	922	1	1.11	90	2	0.02	5	106	0.14	73	10	59
0.1	43	4	5.79	0.22	2.78	769	1	1.35	80	2	0.01	5	115	0.17	60	10	51
0.1	24	66	5.18	0.23	1.55	609	1	1.75	20	2	0.01	5	130	0.19	115	10	35
0.1	24	17	4.56	0.27	0.74	471	1	2.51	40	2	0.07	5	178	0.12	109	10	24
0.1	28	63	5.38	0.21	1.63	641	1	1.67	30	2	0.01	7	130	0.3	199	10	35
0.1	40	8	6.63	0.25	2.81	789	1	1.55	50	2	0.01	5	119	0.21	116	10	47
0.1	39	52	5.9	0.17	2.17	671	1	1.57	140	2	0.03	5	125	0.2	111	10	39
0.1	46	9	6.25	0.1	2.66	748	1	1.31	30	7	0.02	5	105	0.15	65	10	45
0.1	36	95	5.65	0.15	2.79	707	1	1.28	30	8	0.01	5	111	0.12	96	10	42
0.1	35	29	5.63	0.16	2.65	715	1	1.44	40	3	0.01	5	109	0.2	110	10	42
0.1	40	50	5.96	0.13	2.43	733	1	1.39	40	4	0.02	5	118	0.17	92	10	41

15	F	681805	24	25	1.00	1.00	50	40	0.1	0.001	0.003	0.001	10.1	5	50	0.1	2	8.21
15	F	681806	25	26	1.00	1.00	66	99	0.1	0.001	0.0039	0.001	9.69	14	50	0.1	2	8.13
15	F	681807	26	27	1.00	1.03	27	50	0.1	0.001	0.0042	0.001	9.49	9	40	0.1	2	8.34
15	F	681808	27	27.7	0.70	0.74	50	94	0.1	0.001	0.0042	0.001	9.27	5	40	0.1	2	7.41
15	F	681809	27.7	28.3	0.60	0.59	30	54	0.1	0.001	0.0031	0.001	9.69	8	90	0.1	2	6.69
15	G	681810	7.3	8	0.70	0.72	45	34	0.1	0.001	0.0029	0.002	9.94	5	160	0.1	2	8.22
15	G	681811	8	9	1.00	1.00	33	33	0.1	0.001	0.0023	0.001	10.1	12	80	0.1	2	8.27
15	G	681812	9	10	1.00	0.98	27	100	0.1	0.001	0.0023	0.001	10.55	9	40	0.1	2	8.47
15	G	681813	10	11	1.00	1.01	22	122	0.1	0.001	0.0028	0.001	9.87	5	50	0.1	2	7.49
15	G	681814	11	12	1.00	1.05	49	103	0.1	0.001	0.0023	0.001	11.3	5	40	0.1	2	8.5
15	G	681815	12	13	1.00	1.00	63	50	0.1	0.001	0.0031	0.001	10.35	5	50	0.1	3	8
15	G	681816	13	13.7	0.70	0.71	76	128	0.1	0.001	0.0034	0.001	11.35	5	60	0.1	3	7.76
15	G	681817	13.7	14.2	0.50	0.51	49	103	0.1	0.001	0.0033	0.001	10.65	5	40	0.1	2	7.39
15	G	681818	14.2	14.5	0.30	0.36	81	136	0.5	0.004	0.0044	0.004	8.7	5	60	0.1	2	6.65
15	G	681819	14.5	15.3	0.80	1.03	56	44	0.1	0.002	0.0036	0.001	10.7	5	90	0.1	2	8.25
15	G	681820	15.3	16	0.70	0.76	65	99	0.1	0.001	0.0045	0.001	11.5	7	30	0.1	2	8.25
15	G	681821	16	17	1.00	0.80	65	80	0.1	0.001	0.0025	0.001	12.25	5	60	0.1	4	8.5
15	G	681822	17	18	1.00	1.00	60	54	0.1	0.001	0.0025	0.001	11.2	5	60	0.1	4	8
15	G	681823	18	19	1.00	1.00	31	41	0.1	0.001	0.0029	0.001	9.37	5	50	0.1	2	7.85
15	G	681824	19	20	1.00	1.00	50	51	0.1	0.002	0.0028	0.001	9.91	8	40	0.1	2	8.83
15	G	681825	20	21	1.00	1.00	44	87	0.1	0.001	0.0022	0.001	10.15	5	40	0.1	2	8.16
15	G	681826	21	22	1.00	0.90	17	73	0.1	0.001	0.0025	0.001	10.55	6	50	0.1	2	8.64
15	G	681827	22	23	1.00	1.02	18	63	0.1	0.001	0.0033	0.001	10.7	5	50	0.1	2	8.72
15	G	681828	23	24	1.00	0.94	19	62	0.1	0.001	0.0026	0.001	9.42	5	50	0.1	2	8.76
15	G	681829	24	25	1.00	0.99	26	69	0.1	0.001	0.0029	0.001	10.75	10	40	0.1	2	8.55
15	G	681830	25	26	1.00	1.03	37	116	0.1	0.001	0.0043	0.002	9.27	12	40	0.1	2	7.63
15	G	681831	26	27	1.00	1.00	32	54	0.1	0.001	0.0025	0.001	9.89	5	70	0.1	2	7.97
15	G	681832	27	28	1.00	1.02	29	83	0.1	0.001	0.0025	0.001	10.25	5	40	0.1	2	8.27
15	G	681833	28	29	1.00	1.00	25	95	0.1	0.001	0.0358	0.006	10.05	6	40	0.1	2	7.49
15	G	681834	29	30	1.00	1.00	53	35	0.1	0.001	0.0018	0.001	9.96	5	60	0.1	2	7.3
15	G	681835	30	31	1.00	1.04	29	42	0.1	0.001	0.0024	0.001	10.15	7	60	0.1	2	7.96
15	G	681836	31	32	1.00	1.07	89	30	0.1	0.002	0.0019	0.001	10.05	5	120	0.1	2	7.89
15	G	681837	32	32.4	0.40	0.42	39	86	0.1	0.003	0.0025	0.001	9.17	6	130	0.1	2	6.74
15	G	681838	32.4	32.7	0.30	0.29	213	57	0.1	0.01	0.0023	0.001	8.92	5	70	0.1	2	7.01
15	G	681839	32.7	33	0.30	0.33	17	122	0.1	0.001	0.0021	0.001	8.56	5	30	0.1	2	7.58
15	H	681840	8.7	9.5	0.80	0.90	42	40	0.1	0.001	0.002	0.001	9.91	6	130	0.1	2	8.25
15	H	681841	9.5	10.3	0.80	0.82	78	48	0.1	0.002	0.0026	0.001	10.75	5	70	0.1	2	8.36
15	H	681842	10.3	11	0.70	0.76	99	67	0.1	0.003	0.0031	0.001	9.9	5	70	0.1	2	7.94
15	H	681843	11	12	1.00	1.06	121	78	0.1	0.003	0.0018	0.001	10.4	8	70	0.1	2	7.84
15	H	681844	12	13	1.00	0.73	62	93	0.1	0.002	0.0022	0.001	10.35	6	80	0.1	2	7.71
15	H	681845	13	14	1.00	0.91	21	110	0.1	0.003	0.005	0.001	10.4	11	90	0.1	2	6.85
15	H	681846	14	14.8	0.80	0.81	85	46	0.1	0.004	0.0013	0.001	9.9	5	90	0.1	2	6.93
15	H	681847	14.8	15.5	0.70	0.73	105	69	0.1	0.003	0.0016	0.001	10.55	5	160	0.1	2	7.89
15	H	681848	15.5	16.5	1.00	1.03	77	108	0.1	0.002	0.0022	0.001	12.05	12	150	0.1	2	8.58
15	H	681849	16.5	17.3	0.80	0.82	34	91	0.1	0.001	0.0024	0.001	11.35	5	90	0.1	2	8.45
15	H	681850	17.3	18	0.70	0.64	27	103	0.1	0.001	0.0025	0.001	10.85	10	70	0.1	2	7.96
15	H	126101	18	18.8	0.80	0.96	61	42	0.1	0.044	0.0022	0.001	9.99	9	90	0.1	2	8.03
15	H	126102	18.8	19.6	0.80	0.80	12	152	0.1	0.001	0.003	0.001	10.55	8	50	0.1	2	7.97
15	H	126103	19.6	20.4	0.80	0.90	59	30	0.1	0.001	0.0024	0.001	10.8	14	50	0.1	2	8.6
15	H	126104	20.4	21	0.60	0.60	135	128	0.1	0.008	0.0026	0.001	11	9	30	0.1	2	8.24

0.1	18	8	4.37	0.19	1.19	522	1	1.94	70	2	0.02	5	154	0.21	93	10	28
0.1	36	66	5.58	0.21	2.27	679	1	1.38	110	4	0.03	5	119	0.15	71	10	35
0.1	24	71	4.59	0.18	1.94	541	1	1.19	80	2	0.01	7	122	0.11	96	10	28
0.1	35	67	5.94	0.17	2.42	739	1	1.24	30	5	0.01	5	116	0.15	106	10	42
0.1	31	35	6.2	0.47	2.29	787	1	2.21	20	3	0.01	5	122	0.19	154	10	44
0.1	17	68	4.04	0.42	0.8	437	1	2.12	210	2	0.04	5	243	0.21	115	10	22
0.1	18	5	4.08	0.23	0.87	463	1	1.86	160	5	0.03	5	177	0.24	125	10	25
0.1	39	49	6.04	0.13	2.5	701	1	1.28	70	2	0.03	5	119	0.15	72	10	42
0.1	48	12	6.46	0.13	2.88	781	1	1.09	60	6	0.02	5	102	0.11	67	10	46
0.1	43	61	6.79	0.09	2.7	784	1	1.25	90	11	0.06	5	120	0.1	50	10	39
0.1	28	14	4.35	0.13	1.22	495	1	1.54	150	7	0.08	5	135	0.13	60	10	27
0.1	51	81	6.97	0.15	2.84	839	1	1.18	100	4	0.07	5	126	0.17	106	10	50
0.1	41	24	6.01	0.13	2.68	749	1	1.08	80	3	0.05	5	107	0.09	54	10	48
0.1	47	290	8.2	0.28	4.29	1205	1	1.25	280	7	0.09	5	70	0.46	195	10	77
0.1	23	17	4.2	0.31	1.38	634	1	1.63	80	6	0.03	5	160	0.19	82	10	35
0.1	38	68	5.59	0.11	2.72	784	1	1.25	80	7	0.06	5	112	0.1	61	10	47
0.1	35	34	5.8	0.18	2.43	788	1	1.9	50	7	0.03	5	140	0.31	119	10	44
0.1	28	61	4.97	0.2	1.48	698	1	2.34	40	6	0.02	5	156	0.39	104	10	36
0.1	23	22	4.52	0.19	1.55	567	1	1.82	50	2	0.01	5	131	0.18	82	10	32
0.1	26	74	4.84	0.12	1.91	592	1	1.47	40	2	0.01	5	123	0.16	108	10	34
0.1	36	8	5.56	0.18	2.22	674	1	1.64	30	2	0.02	5	117	0.22	135	10	39
0.1	30	85	5.55	0.19	2.36	661	1	1.53	20	3	0.01	5	126	0.12	86	10	41
0.1	27	30	4.96	0.17	2.08	622	1	1.67	20	5	0.01	5	132	0.17	72	10	35
0.1	26	159	5.2	0.17	2.42	690	1	1.1	30	2	0.01	5	126	0.16	120	10	35
0.1	29	9	6	0.21	1.98	731	1	1.72	40	2	0.02	5	131	0.27	133	10	36
0.1	41	43	6.34	0.14	2.68	802	1	1.22	40	5	0.02	5	108	0.15	78	10	48
0.1	27	70	5.27	0.26	2.23	765	1	1.43	40	4	0.01	5	123	0.33	202	10	39
0.1	35	50	6.17	0.17	2.38	832	1	1.57	30	2	0.01	5	124	0.27	149	10	42
0.1	37	6	6.24	0.18	2.4	816	1	1.85	30	2	0.01	5	136	0.27	110	10	46
0.1	21	74	4.57	0.22	1.38	690	1	2.52	20	3	0.01	5	157	0.29	162	10	35
0.1	26	57	5.38	0.27	1.77	777	1	2.12	30	3	0.01	5	153	0.17	127	10	40
0.1	19	70	4.11	0.53	1.09	545	1	2.43	40	2	0.03	5	186	0.16	68	10	29
0.1	29	19	5.13	0.33	1.97	756	1	1.88	60	6	0.01	5	149	0.09	68	10	46
0.1	27	149	5.11	0.42	1.79	777	1	1.66	40	3	0.04	5	151	0.09	89	10	41
0.1	42	213	8.25	0.18	4.19	1390	1	1.54	320	2	0.01	5	99	0.51	197	10	57
0.1	24	67	5.01	0.47	1.62	665	1	1.54	120	2	0.03	5	238	0.18	118	10	34
0.1	24	8	5.54	0.23	1.27	750	1	1.71	210	2	0.05	5	232	0.52	250	10	29
0.1	30	61	5.55	0.23	1.67	766	1	1.55	160	2	0.05	5	185	0.33	157	10	37
0.1	36	11	6.05	0.24	2.05	780	1	1.48	100	2	0.06	5	154	0.25	163	10	42
0.1	37	65	5.25	0.26	2.17	703	1	1.75	30	2	0.03	5	148	0.06	65	10	40
0.1	33	6	4.86	0.34	2.24	666	1	1.95	40	2	0.02	5	142	0.1	58	10	42
0.1	23	55	4.64	0.31	1.28	601	1	2.09	20	2	0.04	5	151	0.25	148	10	39
0.1	26	6	5.6	0.61	1.54	707	2	1.4	40	2	0.1	5	144	0.17	93	10	34
0.1	37	82	6.24	0.53	2.01	894	2	1.8	80	3	0.01	5	185	0.2	121	10	44
0.1	39	18	6.72	0.38	2.46	925	2	1.8	80	2	0.01	5	151	0.21	126	10	53
0.1	41	61	6.26	0.28	2.42	841	1	1.58	40	3	0.01	5	143	0.14	95	10	49
0.1	25	9	4.41	0.28	1.46	577	1	2.03	20	7	0.03	5	148	0.18	99	10	42
0.1	48	34	7.02	0.21	3.57	942	1	1.25	30	2	0.01	5	113	0.11	60	10	62
0.1	21	8	4.53	0.17	0.87	578	1	2.35	30	6	0.04	5	196	0.41	176	10	24
0.1	45	42	6.53	0.12	2.75	837	1	1.37	110	5	0.04	5	129	0.22	113	10	47

15	H	126105	21	22	1.00	1.01	53	53	0.1	0.004	0.0032	0.001	11.1	5	30	0.1	2	8.98
15	H	126106	22	23	1.00	1.00	37	55	0.1	0.001	0.0018	0.001	11.25	6	30	0.1	2	8.51
15	H	126107	23	24	1.00	1.00	71	45	0.1	0.002	0.0024	0.001	11.3	6	30	0.1	2	9.17
15	H	126108	24	25	1.00	0.91	57	55	0.1	0.001	0.0015	0.001	11	7	30	0.1	2	8.93
15	H	126109	25	26	1.00	1.05	116	103	0.1	0.003	0.0044	0.001	11.25	5	30	0.1	2	8.21
15	H	126110	26	27	1.00	0.97	89	55	0.1	0.001	0.0039	0.001	10.8	8	30	0.1	2	8.54
15	H	126111	27	27.5	0.50	0.51	90	140	0.1	0.001	0.0282	0.013	10.3	12	30	0.1	2	8.42
15	H	126112	27.5	28.1	0.60	0.65	36	117	0.1	0.004	0.0535	0.039	11.05	10	50	0.1	2	8.71
15	H	126113	28.1	29	0.90	0.95	83	133	0.1	0.001	0.0022	0.001	8.78	5	30	0.1	2	7.82
15	H	126114	29	29.7	0.70	0.80	80	120	0.1	0.001	0.0022	0.001	8.52	5	30	0.1	2	7.51
15	J	126115	20.2	21	0.80	0.80	111	90	0.1	0.003	0.0027	0.001	11.25	5	170	0.1	2	8.23
15	J	126116	21	22	1.00	1.03	326	58	0.1	0.006	0.0025	0.001	11.45	8	160	0.1	2	9.57
15	J	126117	22	23	1.00	1.16	49	59	0.1	0.001	0.002	0.001	9.55	5	110	0.1	2	8.36
15	J	126118	23	24	1.00	1.07	31	80	0.1	0.001	0.0024	0.001	10.4	5	50	0.1	2	8.5
15	J	126119	24	25	1.00	1.19	19	69	0.1	0.001	0.002	0.001	10.7	7	40	0.1	2	8.54
15	J	126120	25	25.9	0.80	1.04	63	84	0.1	0.001	0.0027	0.001	10.65	5	40	0.1	2	8.65
15	J	126121	25.9	27	1.10	1.07	87	130	0.1	0.001	0.0022	0.001	8.93	5	20	0.1	2	7.87
15	J	126122	27	28	1.00	1.27	91	134	0.1	0.001	0.002	0.001	8.99	5	30	0.1	2	7.58
15	J	126123	28	29	1.00	0.93	89	141	0.1	0.001	0.0024	0.001	9.07	5	30	0.1	2	7.77
15	J	126124	29	30	1.00	1.00	102	143	0.1	0.001	0.0023	0.001	8.9	5	30	0.1	2	7.52
15	J	126125	30	30.8	0.80	1.00	76	115	0.1	0.001	0.0049	0.003	9.76	5	30	0.1	2	7.96
15	J	126126	30.8	31.6	0.80	0.64	79	25	0.1	0.001	0.0063	0.003	11.35	5	50	0.1	2	6.68
15	J	126127	31.6	32.3	0.70	0.70	28	70	0.1	0.001	0.0359	0.007	10.25	12	30	0.1	2	8.73
15	J	126128	32.3	33	0.70	0.69	26	38	0.1	0.001	0.0007	0.001	11.05	5	50	0.1	2	7.53
15	J	126129	33	34	1.00	1.04	53	24	0.1	0.001	0.0006	0.001	9.79	5	280	0.1	2	6.36
15	J	126130	34	35	1.00	0.91	94	41	0.1	0.002	0.0967	0.19	8.91	5	120	0.1	2	7.8
15	J	126131	35	36	1.00	1.07	84	29	0.1	0.001	0.0013	0.007	9.82	5	70	0.1	2	7.52
15	J	126132	36	37	1.00	1.03	82	28	0.1	0.001	0.0013	0.003	11.55	5	50	0.1	2	8.12
15	J	126133	37	38	1.00	0.98	79	99	0.1	0.001	0.0014	0.002	11.35	5	40	0.1	2	7.57
15	J	126134	38	39	1.00	1.03	22	100	0.1	0.001	0.0007	0.001	11	5	40	0.1	2	7.75
15	J	126135	39	40	1.00	0.99	12	146	0.1	0.001	0.0014	0.001	10.2	5	40	0.1	2	7.33
15	J	126136	40	41	1.00	1.00	37	172	0.1	0.001	0.0025	0.003	10.25	8	30	0.1	2	7.39
15	J	126137	41	42	1.00	1.00	18	169	0.1	0.001	0.0085	0.007	10.55	5	30	0.1	2	7.55
15	J	126138	42	43	1.00	0.97	92	97	0.1	0.002	0.0062	0.006	11.3	5	30	0.1	2	7.61
15	J	126139	43	44	1.00	1.00	80	195	0.1	0.001	0.0065	0.008	10.55	5	30	0.1	2	7.93
15	J	126140	44	45	1.00	1.19	30	180	0.1	0.001	0.0023	0.003	10.2	6	30	0.1	2	7.46
15	J	126141	45	46	1.00	0.90	32	113	0.1	0.001	0.0042	0.004	11.55	5	50	0.1	2	7.95
15	J	126142	46	47	1.00	1.00	135	126	0.6	0.003	0.0088	0.008	10.4	5	60	0.1	2	7.07
15	J	126143	47	48	1.00	0.91	95	106	0.1	0.003	0.0031	0.003	11.25	5	70	0.1	2	7.4
15	J	126144	48	48.6	0.60	0.74	29	183	0.1	0.001	0.005	0.008	10.35	8	60	0.1	2	7.37
15	K	126145	45.4	46.2	0.80	0.83	66	186	0.1	0.001	0.0021	0.002	10.9	6	40	0.1	2	8.33
15	K	126146	46.2	47	0.80	0.81	91	240	0.1	0.001	0.0057	0.003	10.4	5	40	0.1	2	7.38
15	K	126147	47	48	1.00	1.00	43	202	0.1	0.001	0.0029	0.001	9.93	5	50	0.1	2	7.41
15	K	126148	48	49	1.00	1.03	99	219	0.1	0.001	0.0019	0.001	9.51	5	50	0.1	2	6.68
15	K	126149	49	49.6	0.60	0.62	2100	184	0.7	0.056	0.0006	0.001	10.75	5	60	0.1	2	7.65
15	K	126150	49.6	50.3	0.70	0.69	3380	200	1.1	0.099	0.001	0.002	11.3	5	70	0.1	2	7.9
15	K	126151	50.3	51	0.70	0.72	2850	128	0.9	0.059	0.001	0.001	10.3	7	80	0.1	2	7.33
15	K	126152	51	52	1.00	1.03	352	138	0.1	0.008	0.0033	0.006	9.49	5	80	0.1	2	6.92
15	K	126153	52	53	1.00	1.06	51	187	0.1	0.001	0.0058	0.011	8.91	5	40	0.1	2	7.21
15	K	126154	53	54	1.00	0.98	52	30	0.1	0.001	0.001	0.002	7.35	5	80	0.8	2	5.89

0.1	30	43	5.1	0.09	2.19	680	1	1.73	50	3	0.02	5	140	0.14	105	10	36
0.1	31	104	5.82	0.11	2.48	858	1	1.47	40	5	0.01	5	137	0.33	128	10	40
0.1	27	38	4.85	0.1	2	721	1	1.59	40	3	0.01	5	154	0.21	134	10	32
0.1	33	30	5.54	0.08	1.98	758	1	1.69	20	2	0.04	5	161	0.2	132	10	34
0.1	40	38	6.29	0.11	2.76	942	1	1.44	70	3	0.03	5	141	0.44	213	10	41
0.1	31	47	5.24	0.09	1.86	776	1	1.75	170	2	0.04	5	153	0.32	173	10	32
0.1	52	46	7.44	0.12	3.71	1115	1	1.25	80	4	0.08	5	112	0.14	98	10	47
0.1	45	41	6.76	0.23	2.92	1040	1	1.42	40	6	0.03	5	142	0.19	115	10	48
0.1	47	207	9.19	0.18	4.49	1560	1	1.34	390	5	0.07	5	104	0.6	239	10	73
0.1	46	228	9.07	0.16	4.35	1560	1	1.33	380	6	0.09	5	122	0.6	240	10	73
0.1	33	23	6.12	0.47	2.36	849	1	1.36	40	5	0.05	5	167	0.21	112	10	59
0.1	30	119	7.05	0.35	2.34	850	1	0.73	70	5	0.04	5	185	0.18	147	10	60
0.1	35	60	6.76	0.41	2.47	1005	1	1.12	70	5	0.02	5	134	0.2	157	10	53
0.1	35	82	6.75	0.22	2.76	1025	1	1.44	10	7	0.02	5	136	0.16	137	10	51
0.1	28	11	4.93	0.15	2.11	747	1	1.61	20	8	0.02	5	156	0.19	82	10	36
0.1	35	33	5.77	0.13	2.12	827	1	1.6	70	8	0.04	5	160	0.23	139	10	39
0.1	46	214	9.28	0.15	4.52	1595	1	1.36	390	3	0.08	5	113	0.61	241	10	70
0.1	46	222	9.31	0.17	4.62	1620	1	1.47	390	4	0.08	5	126	0.59	238	10	78
0.1	49	210	9.31	0.18	4.61	1590	1	1.42	400	7	0.08	5	131	0.59	234	10	73
0.1	45	221	9.12	0.17	4.56	1545	1	1.35	400	9	0.1	5	121	0.58	233	10	81
0.1	41	129	7.78	0.17	3.77	1295	1	1.28	240	5	0.07	5	125	0.48	228	10	68
0.1	14	29	3.76	0.13	0.77	620	1	3.14	40	7	0.04	5	258	0.26	112	10	28
0.1	33	127	7.05	0.13	3.28	1155	1	1.5	40	2	0.01	5	137	0.2	174	10	71
0.1	24	54	5.36	0.18	1.77	855	1	2.18	20	2	0.01	5	184	0.19	131	10	49
0.1	18	4	4.11	0.79	1.09	611	1	1.98	20	5	0.03	5	134	0.24	116	10	40
0.1	18	42	3.88	0.33	0.91	736	1	1.71	120	2	0.03	5	146	0.34	157	10	38
0.1	17	4	3.58	0.28	0.7	607	1	2.2	150	2	0.02	5	186	0.28	122	10	34
0.1	17	35	4.4	0.17	0.88	719	1	2.46	160	2	0.03	5	214	0.28	113	10	37
0.1	39	4	6.26	0.16	2.38	967	1	1.9	70	2	0.02	5	147	0.2	95	10	62
0.1	39	33	6.58	0.16	2.81	847	1	1.33	40	2	0.03	5	126	0.3	87	10	48
0.1	43	4	6.31	0.15	3.56	829	1	1.26	30	2	0.01	5	113	0.1	54	10	53
0.1	51	24	6.9	0.09	3.59	909	1	1.32	70	2	0.02	5	122	0.1	53	10	61
0.1	45	8	6.94	0.09	3.94	979	1	1.34	30	2	0.01	5	117	0.1	55	10	63
0.1	37	21	6.39	0.14	3.08	838	1	1.51	80	2	0.03	5	128	0.2	104	10	46
0.1	61	26	7.39	0.11	4.87	1000	1	1.24	60	2	0.06	5	117	0.15	78	10	55
0.1	55	28	7.21	0.13	4.22	978	1	1.39	70	2	0.03	5	120	0.11	60	10	55
0.1	35	33	4.86	0.18	2.72	665	1	1.76	90	2	0.02	5	162	0.14	63	10	39
0.1	41	168	7.35	0.25	3.61	1030	1	1.83	300	2	0.02	5	130	0.39	161	10	65
0.1	35	66	6	0.23	2.83	889	1	2.26	110	2	0.03	5	198	0.28	101	10	54
0.1	53	318	9.02	0.32	5.11	1345	1	2.03	320	2	0.01	5	144	0.4	196	10	87
0.1	55	12	6.79	0.1	3.85	954	1	1.59	70	3	0.07	5	146	0.13	72	10	56
0.1	66	34	8.16	0.14	4.85	1165	1	1.37	80	2	0.07	5	123	0.11	59	10	73
0.1	68	16	8.96	0.21	4.7	1365	1	1.44	90	2	0.02	5	123	0.22	141	10	85
0.1	66	27	9.02	0.22	4.97	1325	1	1.19	60	3	0.06	5	96	0.14	89	10	96
0.1	65	34	7.91	0.27	3.33	1085	1	1.88	350	2	0.38	5	174	0.18	205	10	80
0.1	73	109	8.53	0.42	2.55	1045	1	1.79	880	2	0.63	5	178	0.17	270	10	93
0.1	66	98	8.18	0.47	2.34	919	1	1.68	600	2	0.53	5	170	0.11	232	10	87
0.1	45	190	7.17	0.35	3.95	1135	1	1.88	180	2	0.05	5	171	0.31	204	10	82
0.1	48	311	8.25	0.2	5.16	1420	1	1.97	350	2	0.01	5	151	0.4	203	10	108
0.1	26	65	12.8	0.48	1.99	2240	1	1.05	2770	2	0.13	5	93	1.15	57	10	115

15	K	126155	54	55	1.00	1.08	45	1	0.1	0.001	0.001	0.001	7.12	5	60	0.9	2	5.64
15	K	126156	55	56	1.00	1.00	26	65	0.1	0.001	0.0009	0.002	9.41	6	70	0.6	2	6.94
15	K	126157	56	56.7	0.70	0.73	122	165	0.1	0.002	0.0008	0.001	8.11	5	60	0.5	2	5.95
15	K	126158	56.7	57.5	0.80	0.91	33	113	0.1	0.001	0.0006	0.001	9.49	5	80	0.1	2	7.56
15	K	126159	57.5	58.3	0.80	0.77	26	145	0.1	0.001	0.0005	0.001	8.95	5	60	0.1	2	8.25
15	K	126160	58.3	58.6	0.30	0.34	12	176	0.1	0.001	0.0034	0.005	7.96	5	70	0.6	2	7.17
15	K	126161	58.6	59.4	0.80	0.72	67	33	0.1	0.001	0.0033	0.002	9.52	5	50	0.8	2	6.43
15	K	126162	59.4	60	0.60	0.71	262	8	0.1	0.003	0.001	0.001	8.42	5	60	1	2	5.9
15	K	126163	60	60.6	0.60	0.64	177	1	0.1	0.002	0.001	0.001	8.54	5	60	1.1	2	6.03
15	L	126164	47.7	48.5	0.80	0.78	85	3	0.1	0.001	0.0007	0.001	7.01	5	60	0.9	2	5.8
15	L	126165	48.5	49.3	0.80	0.81	51	96	0.1	0.001	0.0031	0.006	7.53	5	70	0.6	2	6.08
15	L	126166	49.3	50	0.70	0.72	46	191	0.1	0.001	0.0059	0.01	8.54	5	50	0.1	2	7.2
15	L	126167	50	51	1.00	0.98	40	227	0.1	0.001	0.0041	0.007	8.47	5	50	0.1	2	6.45
15	L	126168	51	52	1.00	0.98	86	252	0.1	0.001	0.0005	0.001	8.57	5	60	0.1	2	6.73
15	L	126169	52	53	1.00	0.96	799	140	0.1	0.016	0.001	0.001	10	5	80	0.1	2	7.37
15	L	126170	53	54	1.00	1.06	1380	76	0.5	0.038	0.0006	0.001	9.93	5	150	0.1	2	7.25
15	L	126171	54	54.7	0.70	0.69	45	2	0.1	0.001	0.0053	0.001	8.1	7	260	1.2	2	3.68
15	L	126172	54.7	55.4	0.70	0.72	48	11	0.1	0.001	0.001	0.001	7.65	10	260	1.3	2	3.25
15	L	126173	55.4	56	0.60	0.61	27	160	0.1	0.001	0.001	0.001	9.45	5	80	0.1	2	8.01
15	L	126174	56	57	1.00	0.98	71	256	0.1	0.001	0.0043	0.001	7.09	5	30	0.1	2	6.64
15	L	126175	57	58	1.00	0.95	56	208	0.1	0.002	0.0007	0.001	9.96	5	60	0.1	2	8.31
15	L	126176	58	59	1.00	1.00	60	130	0.1	0.004	0.0021	0.002	9.12	5	50	0.1	2	8.12
15	L	126177	59	60	1.00	1.00	20	61	0.1	0.002	0.0032	0.003	9.76	5	40	0.1	3	8.76
15	L	126178	60	61	1.00	1.18	38	40	0.1	0.001	0.0095	0.001	10.4	5	50	0.1	2	8.02
15	L	126179	61	61.8	0.80	0.95	54	43	0.1	0.002	0.0005	0.001	10.65	5	60	0.1	4	7.14

0.1	23	49	13.4	0.45	1.47	2300	1	0.99	3230	2	0.1	5	82	1.28	33	10	103
0.1	33	73	10.45	0.43	2.83	1780	1	1.48	1630	2	0.05	5	124	0.81	109	10	89
0.1	58	42	10.75	0.29	4.65	1735	1	1.24	710	2	0.1	5	75	0.49	74	10	77
0.1	42	86	7.68	0.42	4.12	1370	1	1.32	80	2	0.01	5	122	0.25	162	10	62
0.1	55	113	9.53	0.36	5.2	1740	1	1.14	110	2	0.02	5	99	0.27	177	10	76
0.1	50	376	9.83	0.35	5.76	1800	1	1.52	1010	2	0.01	5	177	0.46	161	10	80
0.1	25	79	7.16	0.26	1.85	1225	1	2.16	1140	2	0.07	5	152	0.68	80	10	40
0.1	26	6	7.45	0.28	1.39	1155	1	2.06	1790	2	0.2	5	122	0.98	55	10	37
0.1	22	55	6.83	0.26	1.18	1060	1	2.14	1810	2	0.17	5	128	1.03	51	10	32
0.1	23	20	12.85	0.32	1.55	2190	1	0.97	3060	2	0.23	5	88	1.23	36	10	108
0.1	34	219	10.25	0.39	3.3	1715	1	1.29	1750	2	0.1	5	97	0.81	110	10	107
0.1	45	336	8.45	0.26	5.22	1585	1	1.77	370	2	0.01	5	136	0.42	200	10	113
0.1	61	237	9.21	0.26	5.72	1445	1	1.41	240	2	0.02	5	101	0.29	158	10	102
0.1	76	34	9.59	0.35	5.56	1445	1	1.03	130	2	0.05	5	81	0.2	111	10	98
0.1	49	94	8.03	0.37	3.55	1150	1	1.67	140	2	0.09	5	160	0.28	152	10	68
0.1	38	47	6.16	0.67	2.24	930	1	1.96	230	2	0.16	5	164	0.22	136	10	52
0.1	10	73	8.33	1.21	0.69	1845	1	1.96	1280	2	0.02	5	52	0.57	12	10	30
0.1	11	14	6.33	1.03	0.7	1075	1	2.17	770	2	0.01	5	71	0.39	10	10	28
0.1	55	97	8.15	0.41	4.52	1460	1	1.33	90	2	0.01	5	121	0.2	142	10	77
0.1	89	61	10.95	0.18	7.3	1695	1	0.65	130	2	0.04	5	51	0.21	143	10	101
0.1	67	101	8.84	0.31	5.6	1525	1	1.21	110	2	0.03	5	114	0.19	137	10	81
0.1	47	127	7.31	0.22	4.38	1285	1	1.32	200	2	0.03	5	162	0.28	187	10	66
0.1	27	130	5.77	0.16	2.41	1020	1	1.33	110	2	0.01	5	200	0.22	140	10	38
0.1	22	78	4.81	0.19	1.93	858	1	2.04	100	2	0.01	5	185	0.24	138	10	34
0.1	25	124	5.32	0.28	2.2	923	1	2.28	110	2	0.01	5	165	0.29	169	10	41

Appendix III
Costs of Trenching Program

MetalCorp Ltd.

2006

NORTH ROCK PROJECT
Summer 2006 Trench Program
Total Costs Involved for Program

Total Final Costs \$424,991.92
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<i>Gas and Food</i>	<i>Salaries</i>	<i>Truck Rental</i>	<i>Buildings + Utilities</i>	<i>Backhoe Costs</i>
\$13,644.14	\$244,760.00	\$17,060.19	\$8,691.99	\$42,760.02

<i>Costs of Assay for Trench</i>	<i>Bayview Motel</i>
\$94,247.64	\$3,827.94

North Rock Project
 2006 Trench Program
 Charges for man power

Date	Geologist Mitch	Dave Pykari	Jeff Pinksen	Sheldon Earle	Kevin Rice	Jonathan Pinksen	Tony Eveleigh	Shane Dyer	Student Marc	Albert Eveleigh	Cook	Total
3-May-06	500	425										925
4-May-06	500	425										925
5-May-06	500	425										925
6-May-06	500	425										925
7-May-06	500	425										925
8-May-06	500	425		425								1350
9-May-06	500	425		425	375							1725
10-May-06	500	425		425	375							1725
11-May-06	500	425	425	425	375							2150
12-May-06	500	425	425	425	375							2150
13-May-06		425		425	375							1225
14-May-06		425		425	375							1225
15-May-06	500	425		425	375							1725
16-May-06	500	425	425	425	375						60	2210
17-May-06	500	425	425	425	375						60	2210
18-May-06	500	425	425	425	375						75	2225
19-May-06	500	425	425	425	375						60	2210
20-May-06			425	425	375						60	1285
21-May-06			425	425	375						75	1300
22-May-06			425	425	375						60	1285
23-May-06	500	425	425	425	375						60	2210
24-May-06	500	425	425	425	375						75	2225
25-May-06	500	425	425	425	375						75	2225
26-May-06	500	425	425	425	375						75	2225
27-May-06	500	425	425	425	375						75	2225
28-May-06		425	425	425	375						75	1725
29-May-06	500	425	425	425	375						75	2225
30-May-06	500	425	425	425							75	1850
31-May-06	500	425	425	425								1775
1-Jun-06	500	425	425	425								1775
2-Jun-06	500	425	425	425								1775
3-Jun-06	500	425	425									1350
4-Jun-06	500	425	425									1350
5-Jun-06	500	425		425				425	425		75	2275
6-Jun-06	500	425		425				425	425		60	2260
7-Jun-06	500	425		425				425	425		60	2260
8-Jun-06	500	425		425				425	425		75	2275
9-Jun-06	500	425		425				425	425		60	2260
10-Jun-06	500	425		425				425	425		60	2260
11-Jun-06		425		425					425		75	1350
12-Jun-06	500	425		425					425		60	1835
13-Jun-06	500	425		425					425		60	1835
14-Jun-06	500	425		425					425		75	1850
15-Jun-06	500	425		425					425		60	1835
16-Jun-06	500	425		425					425		60	1835
17-Jun-06	500	425		425					425		75	1850
18-Jun-06	500										60	560
19-Jun-06	500		425								60	985
20-Jun-06	500	425	425	425				425			75	2275
21-Jun-06	500	425	425	425				425			60	2260
22-Jun-06	500	425	425	425				425			60	2260
23-Jun-06	500	425	425	425				425			75	2275
24-Jun-06	500	425	425	425				425			60	2260
25-Jun-06	500	425	425	425				425			60	2260
26-Jun-06	500	425	425	425				425			75	2275
27-Jun-06	500	425	425	425				425			60	2260
28-Jun-06	500	425	425	425				425			60	2260
29-Jun-06	500	425	425	425				425				2200
30-Jun-06	500	425	425	425				425				2200
1-Jul-06		425		425				425			75	1350
2-Jul-06		425		425				425			60	1335
3-Jul-06	500	425		425				425			60	1835
4-Jul-06	500	425	425	425				425			75	2275
5-Jul-06	500	425	425	425				425			60	2260
6-Jul-06	500	425	425	425				425			60	2260
7-Jul-06	500	425	425	425							75	1850
8-Jul-06			425	425							60	910
9-Jul-06			425	425							60	910
10-Jul-06	500	425	425								75	1425
11-Jul-06	500	425	425								60	1410
12-Jul-06	500	425	425					425			60	1835
13-Jul-06	500	425	425					425			75	1850

14-Jul-06	500	425	425					425			60	1835
15-Jul-06	500	425	425					425			60	1835
16-Jul-06	500	425	425					425			60	1835
17-Jul-06	500	425	425	425				425			75	2275
18-Jul-06	500	425	425	425				425			60	2260
19-Jul-06	500	425	425	425				425			60	2260
20-Jul-06	500	425	425	425				425			75	2275
21-Jul-06	500	425	425	425				425			60	2260
22-Jul-06	500	425	425	425				425			60	2260
23-Jul-06	500	425	425	425				425			75	2275
24-Jul-06	500	425	425	425				425			60	2260
25-Jul-06	500	425	425	425				425			60	2260
26-Jul-06	500	425		425				425			75	1850
27-Jul-06	500	425		425				425			60	1835
28-Jul-06	500	425		425				425			60	1835
29-Jul-06	500	425		425				425			75	1850
30-Jul-06		425		425				425			60	1335
31-Jul-06	500	425		425				425			60	1835
1-Aug-06	500	425		425				425			75	1850
2-Aug-06	500	425		425				425			60	1835
3-Aug-06	500	425		425				425			60	1835
4-Aug-06	500	425		425				425			75	1850
5-Aug-06											60	60
6-Aug-06											60	60
7-Aug-06	500	425									75	1000
8-Aug-06	500	425	425	425						375	60	2210
9-Aug-06	500	425	425	425						375	60	2210
10-Aug-06	500	425	425	425						375	75	2225
11-Aug-06	500	425	425	425						375	60	2210
12-Aug-06		425	425	425						375	60	1710
13-Aug-06		425	425	425						375	75	1725
14-Aug-06	500	425	425	425						375	60	2210
15-Aug-06	500	425	425	425						375	60	2210
16-Aug-06	500	425	425	425						375	75	2225
17-Aug-06	500	425	425	425						375	60	2210
18-Aug-06	500	425	425	425						375	60	2210
19-Aug-06	500	425									75	1000
20-Aug-06	500	425									60	985
21-Aug-06	500	425	425	425							60	1835
22-Aug-06	500	425	425	425							75	1850
23-Aug-06	500	425	425	425							60	1835
24-Aug-06	500	425	425	425							60	1835
25-Aug-06	500	425	425	425							75	1850
26-Aug-06	500		425	425								1350
27-Aug-06	500		425	425							60	1410
28-Aug-06	500	425	425	425						375	75	2225
29-Aug-06	500	425	425	425						375	60	2210
30-Aug-06	500	425	425	425						375	60	2210
31-Aug-06	500	425	425	425						375	75	2225
1-Sep-06	500	425	425	425						375	60	2210
2-Sep-06										375	60	435
3-Sep-06										375	75	450
4-Sep-06										375	60	435
5-Sep-06	500		425	425			375	375		375	60	2535
6-Sep-06	500		425	425			375	375		375	75	2550
7-Sep-06	500		425	425			375	375		375	60	2535
8-Sep-06	500		425	425			375	375		375	60	2535
9-Sep-06							375			375	75	825
10-Sep-06							375			375	60	810
11-Sep-06							375			375	60	810
12-Sep-06							375			375	75	825
13-Sep-06							375			375	60	810
14-Sep-06							375			375	60	810
15-Sep-06							375			375	75	825
16-Sep-06							375			375	60	810
17-Sep-06							375			375	60	810
18-Sep-06							375			375	75	825
19-Sep-06							375			375	60	810
20-Sep-06							375			375	60	810
21-Sep-06							375			375	75	825

Total \$244,760.00

NORTH ROCK PROJECT
Summer 2006 Trench Program
Costs of Samples

SUMMER TRENCHING PROGRAM
Assay's Basic Costs

Trench #	Samples Total	\$42.66/Sample (BM \$25/Prec. \$17.66)
Trench #1	71	\$3,028.86
Trench #2	90	\$3,839.40
Trench #3	98	\$4,180.68
Trench #4	85	\$3,626.10
Trench #5	81	\$3,455.46
Trench #6	28	\$1,194.48
Trench #7	101	\$4,308.66
Trench #8	118	\$5,033.88
Trench #9	103	\$4,393.98
Trench #10	185	\$7,892.10
Trench #11	165	\$7,038.90
Trench #12	151	\$6,441.66
Trench #13	175	\$7,465.50
Trench #14	181	\$7,721.46
Trench #15	223	\$9,513.18
Total	1855	\$79,134.30

ALS Chemex Invoices

Invoice #	Period	total
J808	26-Jun-06	\$1,693.28
J858	7-Jul-06	\$843.05
J857	8-Jul-06	\$1,827.34
J859	9-Jul-06	\$1,828.51
J860	9-Jul-06	\$1,824.65
J873	9-Jul-06	\$341.80
J854	11-Jul-06	\$1,817.40
J849	12-Jul-06	\$1,891.99
J850	12-Jul-06	\$1,819.83
J852	12-Jul-06	\$1,909.84
J853	12-Jul-06	\$1,837.33
J952	16-Jul-06	\$2,058.52
J954	26-Jul-06	\$2,657.59
J955	31-Jul-06	\$2,874.27
J1056	9-Aug-06	\$3,171.95
J1058	9-Aug-06	\$2,830.63
J1059	9-Aug-06	\$276.46
J1061	9-Aug-06	\$3,216.09
J1053	14-Aug-06	\$2,801.87
J1105	20-Aug-06	\$3,472.99
J1106	20-Aug-06	\$2,716.66
J1104	22-Aug-06	\$3,684.19
J1102	25-Aug-06	\$2,882.74
J1103	27-Aug-06	\$154.59
J1217	29-Aug-06	\$2,435.63
J1218	2-Sep-06	\$52.78
J1208	6-Sep-06	\$3,141.21
J1209	12-Sep-06	\$3,520.03
J1212	16-Sep-06	\$2,911.85
J1210	19-Sep-06	\$256.91
J1211	19-Sep-06	\$5,286.38
J1216	22-Sep-06	\$174.84
J1215	2-Sep-06	\$4,701.54
J1206	25-Sep-06	\$4,291.87
J1213	25-Sep-06	\$497.71
J1207	26-Sep-06	\$54.00
J1356	10-Oct-06	\$5,142.37
J1350	16-Oct-06	\$6,345.24
J1349	23-Oct-06	\$5,001.71

Total \$94,247.64

NORTH ROCK PROJECT
Summer 2006 Trench Program
Costs for Gas and Grocery

Date	Description	Mileage Gas	Office Supplies	Field Supplies	Promo	Lodging	Meals	GST	Total (includes Taxes)
	TRENCHING + LINE CUTTING								
16-May	Great Bear 2 trucks + fuel jerrycan	\$147.49						\$10.32	\$157.81
16-May	Safeway Grocery Fort Frances						\$315.05	\$0.41	\$315.46
17-May	Great Bear 1 truck +oil for chainsaws	\$121.37						\$2.42	\$123.79
18-May	Great Bear 1 truck + fuel jerrycans	\$103.04						\$7.07	\$110.11
18-May	Safeway Grocery Fort Frances						\$104.52	\$3.22	\$107.74
19-May	Great Bear 2 trucks + field supplies	\$421.48						\$19.49	\$440.97
19-May	Safeway Grocery Fort Frances						\$160.48	\$0.21	\$160.69
2-May	Safeway Grocery Fort Frances						\$387.37	\$7.47	\$394.84
16-May	Great Bear 1 truck (Jim)	\$84.11						\$5.89	\$90.00
21-May	Great Bear 1 truck	#VALUE!						???	\$86.01
21-May	Great Bear Field supplies & equipment			\$166.79				\$12.47	\$179.26
21-May	Safeway Grocery Fort Frances						\$26.67	\$0.00	\$26.67
21-May	Great Bear 1 truck (Jim)	\$89.25						\$6.25	\$95.50
22-May	Great Bear 1 truck +oil for chainsaws	\$127.25						\$2.28	\$129.53
23-May	Great Bear fuel	\$29.22						\$2.05	\$31.27
23-May	Safeway Grocery Fort Frances						\$167.16	\$0.88	\$168.04
23-May	Great Bear 1 truck (Sheldon)	\$53.08						\$3.72	\$56.80
24-May	Great Bear Field supplies & equipment			\$189.85				\$13.29	\$203.14
24-May	Great Bear 1 truck diesel	\$95.37						\$6.68	\$102.05
24-May	Safeway Grocery Fort Frances						\$160.87	\$0.18	\$161.05
25-May	Safeway Grocery Fort Frances						\$566.70	\$13.42	\$580.12
25-May	Great Bear Field supplies & equipment			\$147.89				\$10.35	\$158.24
26-May	Great Bear 1 truck (Jim)	\$76.64						\$5.36	\$82.00
26-May	Great Bear 1 truck	\$89.43						\$6.26	\$95.69
27-May	Great Bear 1 truck (Mitch&Aubrey)	\$145.83						\$10.21	\$156.04
27-May	Safeway Grocery Fort Frances						\$179.24	\$0.00	\$179.24
28-May	Great Bear Diesel truck and dodge truck	#VALUE!						????	\$228.91
28-May	Great Bear 1 truck + oil	\$24.12						\$0.14	\$24.26
28-May	Great Bear 1 truck	#VALUE!						????	\$98.00
29-May	Safeway Grocery Fort Frances						\$5.32	\$0.00	\$5.32
29-May	Safeway Grocery Fort Frances						\$360.87	\$7.20	\$368.07
30-May	Safeway Grocery Fort Frances						\$14.84	\$0.00	\$14.84
30-May	Chainsaw accessories + oil			\$55.59				\$3.89	\$59.48
31-May	Great Bear 1 truck (Mitch)	\$78.50						\$5.50	\$84.00
31-May	Great Bear 1 truck (Dave)	\$82.24						\$5.76	\$88.00
2-Jun	Safeway Grocery Fort Frances						\$202.57	\$3.95	\$206.52
3-Jun	Safeway Grocery Fort Frances						\$157.58	\$4.27	\$161.85
2-Jun	Great Bear 1 truck (Line cutters)	#VALUE!						????	\$92.00
4-Jun	Great Bear 1 truck (diesel)	\$114.66						\$7.59	\$122.25
4-Jun	Fill up gerry can	#VALUE!						???	\$32.00
5-Jun	Great Bear 1 truck (Ford diesel)	\$81.32						\$5.69	\$87.01

5-Jun	Safeway Grocery Fort Frances (Tess)				\$155.23	\$0.70	\$155.93
5-Jun	Safeway Grocery Fort Frances (Tess)				\$21.08	\$0.00	\$21.08
6-Jun	Great Bear 2 trucks + 2 jerrycans	\$217.14				\$15.20	\$232.34
6-Jun	Great Bear Field supplies & equipment		\$93.18			\$6.51	\$99.69
7-Jun	Great Bear 1 truck (Ford diesel)	#VALUE!				????	\$44.96
7-Jun	Safeway Grocery Fort Frances (guys)				\$316.02	\$6.25	\$322.27
7-Jun	Safeway Grocery Fort Frances (Tess)				\$126.11	\$0.38	\$126.49
8-Jun	Safeway Grocery Fort Frances (guys)				\$56.45	\$3.66	\$60.11
8-Jun	Great Bear 1 truck (Ford diesel)	\$151.06				\$10.49	\$161.55
8-Jun	Great Bear 1 truck (Jim) on way out	#VALUE!				???	\$49.68
9-Jun	Great Bear 2 truck (Ford diesel)+1 truck	\$169.41				\$6.48	\$175.89
10-Jun	Great Bear 1 truck (Mitch)	\$59.56				\$4.45	\$64.01
10-Jun	Great Bear 2 trucks (Shane + ?)	\$158.33				\$11.08	\$169.41
10-Jun	Safeway Grocery Fort Frances (Tess)				\$83.26	\$0.28	\$83.54
11-Jun	Great Bear jerry cans	\$44.86				\$3.14	\$48.00
13-Jun	Great Bear 2 trucks + diesel truck	\$186.94				\$12.20	\$199.14
13-Jun	Safeway Grocery Fort Frances (Tess)				\$69.87	\$0.83	\$70.70
14-Jun	Great Bear 1 truck (Mitch)	\$75.71				\$5.30	\$81.01
17-Jun	Safeway Grocery Fort Frances (Tess)				\$38.22	\$0.00	\$38.22
17-Jun	Great Bear 1 truck (Ford diesel)	\$68.40				\$4.79	\$73.19
20-Jun	Safeway Grocery Fort Frances (guys)				\$40.29	\$0.00	\$40.29
20-Jun	Great Bear 1 truck (Shane)	\$80.20				\$5.05	\$85.25
20-Jun	Great Bear 1 truck (Mitch)	\$92.52				\$6.48	\$99.00
20-Jun	Great Bear 1 truck (Al) Ford	\$62.62				\$4.38	\$67.00
20-Jun	Great Bear 1 truck (Ford diesel)	\$98.90				\$6.82	\$105.82
21-Jun	Great Bear fill jerry cans	\$32.72				\$2.29	\$35.01
21-Jun	Safeway Grocery Fort Frances (guys)				\$231.55	\$2.84	\$234.49
21-Jun	Safeway Grocery Fort Frances (Tess)				\$47.13	\$0.21	\$47.34
22-Jun	Great Bear 1 truck	#VALUE!				???	\$61.76
23-Jun	Great Bear 1 truck + supplies	#VALUE!				???	\$69.45
24-Jun	Great Bear 1 truck	\$57.60				\$4.90	\$62.50
24-Jun	Great Bear fill jerry cans	\$24.80				\$1.74	\$26.54
24-Jun	Safeway Grocery Fort Frances (Tess)				\$158.75	\$0.00	\$158.75
25-Jun	Safeway Grocery Fort Frances (Tess)				\$28.57	\$0.00	\$28.57
25-Jun	Great Bear 1 truck (Al) Ford	\$88.79				\$6.21	\$95.00
26-Jun	Safeway Grocery Fort Frances (guys)				\$347.99	\$6.84	\$354.83
26-Jun	Great Bear 1 truck (Ford diesel)	#VALUE!				???	\$94.20
27-Jun	Great Bear 1 truck (Mitch)	\$93.46				\$6.54	\$100.00
27-Jun	Great Bear 1 truck	\$103.74				\$7.26	\$111.00
27-Jun	Safeway Grocery Fort Frances (Tess)				\$37.99	\$0.00	\$37.99
28-Jun	Great Bear fill jerry cans	\$22.18				\$1.27	\$23.45
28-Jun	Safeway Grocery Fort Frances (Tess)				\$25.51	\$0.00	\$25.51
29-Jun	Great Bear 1 truck (Ford diesel)	\$94.41				\$6.61	\$101.02
29-Jun	Great Bear fill jerry cans	\$19.28				\$1.35	\$20.63
1-Jul	Great Bear 1 truck	\$107.10				\$6.10	\$113.20
2-Jul	Great Bear 1 truck (Ford diesel)	\$105.87				\$6.35	\$112.22

3-Jul	Safeway Grocery Fort Frances (Tess)			\$76.96	\$0.00	\$76.96
4-Jul	Great Bear 1 truck	\$99.34			\$5.96	\$105.30
4-Jul	Great Bear 1 truck	\$93.15			\$1.17	\$94.32
4-Jul	Safeway Grocery Fort Frances (guys)			\$395.40	\$4.07	\$399.47
5-Jul	Great Bear 1 truck + supplies	\$95.00	\$152.33		\$9.14	\$258.47
5-Jul	Safeway Grocery Fort Frances (Tess)			\$101.56	\$0.71	\$102.27
6-Jul	Great Bear 1 truck (Ford diesel)	\$87.36			\$4.04	\$71.40
7-Jul	Great Bear 1 truck (Line cutters)	\$123.37			\$7.28	\$130.65
7-Jul	Safeway Grocery Fort Frances (Tess)			\$191.33	\$0.84	\$192.17
10-Jul	Safeway Grocery Fort Frances (guys)			\$189.74	\$4.15	\$173.89
10-Jul	Safeway Grocery Fort Frances (Tess)			\$53.66	\$0.00	\$53.66
11-Jul	Great Bear 1 truck (Mitch)	\$82.08			\$4.93	\$87.01
11-Jul	Great Bear 1 truck (Kevin)	\$50.47			\$3.53	\$54.00
12-Jul	Safeway Grocery Fort Frances (Tess)			\$151.84	\$0.58	\$152.42
13-Jun	Great Bear 1 truck (Line cutters)	\$95.79			\$6.71	\$102.50
13-Jun	Great Bear pair of gloves		????		????	\$8.99
13-Jun	Great Bear 1 truck (Shane)	\$63.56			\$4.45	\$68.01
14-Jun	Great Bear 1 truck (Line cutters)	\$89.62			\$5.38	\$95.00
14-Jun	Great Bear 2 truck (Shane+diesel)	\$131.96			\$7.92	\$139.88
14-Jul	Safeway Grocery Fort Frances (Tess)			\$28.75	\$0.00	\$28.75
15-Jul	Safeway Grocery Fort Frances (guys)			\$394.79	\$7.91	\$402.70
15-Jul	Great Bear 1 truck (Ford diesel)	\$71.08			\$4.98	\$76.06
16-Jul	Great Bear 2 truck (Mitch&Aubrey)	\$108.81			\$7.62	\$116.43
16-Jul	Great Bear 1 truck (Jeff)	\$117.09			\$8.20	\$125.29
17-Jul	Safeway Grocery Fort Frances (Tess)			\$101.05	\$0.00	\$101.05
18-Jul	Safeway Grocery Fort Frances (Tess)			\$211.24	\$1.11	\$212.35
19-Jul	Great Bear 1 truck (Mitch)	\$42.46			\$2.55	\$45.01
19-Jul	Great Bear for Wajax Pump	\$34.60			\$2.08	\$36.68
19-Jul	Great Bear 1 truck	\$112.15			\$7.85	\$120.00
20-Jul	Great Bear 1 truck (Mitch)	\$79.25			\$4.76	\$84.01
20-Jul	Great Bear 1 truck	\$96.59			\$6.76	\$103.35
20-Jul	Safeway Grocery Fort Frances (guys)			\$236.35	\$4.26	\$240.61
20-Jul	Safeway Grocery Fort Frances (Tess)			\$98.03	\$0.00	\$98.03
21-Jul	Great Bear 1 truck + oil	#VALUE!			???	\$86.42
22-Jul	Safeway Grocery Fort Frances (Tess)			\$271.20	\$0.46	\$271.66
22-Jul	Great Bear 1 truck (Ford diesel)	\$118.01			\$7.08	\$125.09
23-Jul	Great Bear 1 truck	#VALUE!			???	\$90.00
23-Jul	Great Bear for Wajax Pump	\$86.93			\$6.08	\$93.01
24-Jul	Great Bear 1 truck	\$85.06			\$5.95	\$91.01
24-Jul	Safeway Grocery Fort Frances (Tess)			\$70.49	\$0.31	\$70.80
26-Jul	Safeway Grocery Fort Frances (guys)			\$340.72	\$4.01	\$344.73
26-Jul	Great Bear for Wajax Pump	\$89.03			\$6.23	\$95.26
26-Jul	Great Bear 1 truck (Kevin)	#VALUE!			????	\$94.00
26-Jul	Great Bear 2 trucks (Mitch & Al)	\$158.31			\$9.50	\$167.81
27-Jul	Safeway Grocery Fort Frances (guys)			\$57.59	\$0.15	\$57.74
27-Jul	Great Bear fill jerry cans	\$5.94			\$0.36	\$6.30

27-Jul	Great Bear 1 truck + oil + supplies	#VALUE!			???	\$171.72
28-Jul	Great Bear for Wajax Pump	\$55.89			\$3.35	\$59.24
28-Jul	Great Bear 1 truck	\$44.35			\$2.66	\$47.01
28-Jul	Safeway Grocery Fort Frances (Tess)			\$78.77	\$0.00	\$78.77
28-Jul	Great Bear Diesel tr. and Wajax Pump	\$155.90			\$9.35	\$165.25
29-Jul	Great Bear 1 truck (Mitch)	\$58.49			\$3.51	\$62.00
29-Jul	Field supplies, chains for saws	\$74.36	\$74.36		\$4.13	\$78.49
30-Jul	Great Bear 1 truck 325-8E5	\$71.97			\$5.04	\$77.01
30-Jul	Great Bear for Wajax Pump	\$29.95			\$1.80	\$31.75
31-Jul	Safeway Grocery Fort Frances (Tess)			\$33.84	\$0.00	\$33.84
31-Jul	Great Bear for Wajax Pump	\$23.94			\$1.44	\$25.38
1-Aug	Safeway Grocery Fort Frances (guys)			\$301.96	\$4.48	\$306.44
1-Aug	Safeway Grocery Fort Frances (Tess)			\$163.34	\$0.06	\$163.40
1-Aug	Great Bear 1 truck (Black GMC))	\$105.91			\$6.35	\$112.26
2-Aug	Great Bear 1 truck 325-8E5 + 2 j. cans	\$118.88			\$7.13	\$126.01
2-Aug	Field supplies, 2 pair gloves		\$8.62		\$0.48	\$9.10
3-Aug	Great Bear 1 truck 628-9HN	\$97.25			\$5.83	\$103.08
5-Aug	Safeway Grocery Fort Frances (guys)			\$134.50	\$2.95	\$137.45
5-Aug	Great Bear 1 truck (Black GMC))	\$117.24			\$6.74	\$123.98
7-Aug	Safeway Grocery Fort Frances (Tess)			\$104.17	\$0.25	\$104.42
8-Aug	Safeway Grocery Fort Frances (Tess)			\$43.71	\$1.70	\$45.41
8-Aug	Great Bear 1 truck (Black GMC))	\$77.57			\$5.43	\$83.00
8-Aug	Great Bear 1 truck 325-8E5	\$110.56			\$5.44	\$116.00
9-Aug	Safeway Grocery Fort Frances (guys)			\$208.26	\$1.65	\$209.91
9-Aug	Safeway Grocery Fort Frances (Tess)			\$132.47	\$0.00	\$132.47
9-Aug	Great Bear Line cutting supplies		\$21.49		\$1.19	\$22.68
10-Aug	Great Bear Line cutting supplies		\$30.09		\$1.67	\$31.76
10-Aug	Great Bear gas cans	\$58.53			\$4.10	\$62.63
10-Aug	Great Bear 1 truck 585-9TE	\$69.72			\$6.28	\$96.00
11-Aug	Safeway Grocery Fort Frances (Tess)			\$113.97	\$0.00	\$113.97
11-Aug	Line cutting supplies		#VALUE!		????	\$136.57
11-Aug	Line cutting supplies		#VALUE!		????	\$34.15
12-Aug	Safeway Grocery Fort Frances (guys)			\$321.32	\$3.17	\$324.49
12-Aug	Great Bear 1 truck (Black GMC))	\$102.43			\$7.17	\$109.60
13-Aug	Great Bear 1 truck 325-8E5	\$100.00			\$6.00	\$106.00
13-Aug	Safeway Grocery Fort Frances (Tess)			\$38.12	\$1.45	\$39.57
14-Aug	Great Bear 1 truck + oil (chainsaw)	\$93.47			\$6.54	\$100.01
14-Aug	Safeway Grocery Fort Frances (Tess)			\$146.24	\$0.00	\$146.24
15-Aug	Great Bear Line cutting supplies		\$17.90		\$1.07	\$18.97
16-Aug	Safeway Grocery Fort Frances (guys)			\$284.32	\$4.55	\$288.87
16-Aug	Safeway Grocery Fort Frances (Tess)			\$65.79	\$0.00	\$65.79
17-Aug	Great Bear 1 truck 700-ORW	\$60.17			\$3.61	\$63.78
17-Aug	Great Bear 1 truck 628-9HN	\$80.38			\$5.63	\$86.01
17-Aug	Safeway Grocery Fort Frances (Tess)			\$93.62	\$0.00	\$93.62
18-Aug	Safeway Grocery Fort Frances (guys)			\$158.27	\$3.12	\$161.39
18-Aug	Great Bear 1 truck 325-8E5	\$130.19			\$7.81	\$138.00

19-Aug	Great Bear gas cans	\$20.56			\$1.44	\$22.00
19-Aug	Great Bear gas for rock saws	\$29.91			\$2.09	\$32.00
19-Aug	Safeway Grocery Fort Frances (Tess)			\$171.03	\$0.00	\$171.03
20-Aug	Great Bear 1 truck (Black GMC))		\$45.90		\$2.75	\$79.00
21-Aug	Safeway Grocery Fort Frances (guys)			\$172.78	\$3.28	\$176.06
21-Aug	Great Bear gas for rock saws	\$44.93			\$3.14	\$48.07
21-Aug	Safeway Grocery Fort Frances (Tess)			\$106.23	\$0.48	\$106.71
23-Aug	Great Bear 1 truck 325-8E5	\$94.40			\$6.61	\$101.01
24-Aug	Safeway Grocery Fort Frances (guys)			\$183.92	\$1.95	\$185.87
24-Aug	Great Bear gas for rock saws	\$59.74			\$3.58	\$63.32
24-Aug	Great Bear 1 truck 312-4M2	\$81.14			\$4.87	\$86.01
25-Aug	Great Bear 1 truck 700-ORW	\$97.64			\$5.86	\$103.50
25-Aug	Safeway Grocery Fort Frances (guys)			\$145.11	\$6.88	\$151.99
25-Aug	Great Bear 1 truck ????????	\$67.92			\$4.08	\$72.00
26-Aug	Great Bear 1 truck 585-9TE	\$113.17			\$7.92	\$121.09
27-Aug	Great Bear 1 truck 325-8E5	\$54.21			\$3.79	\$58.00
27-Aug	Safeway Grocery Fort Frances (Tess)			\$88.42	\$0.00	\$88.42
27-Aug	Great Bear 1 truck 585-9TE	\$51.23			\$3.59	\$54.82
28-Aug	Safeway Grocery Fort Frances (Tess)			\$80.11	\$0.54	\$80.65
28-Aug	Safeway Grocery Fort Frances (guys)			\$411.28	\$5.07	\$416.33
29-Aug	Great Bear 1 truck 312-4M2	\$39.72			\$2.38	\$42.10
30-Aug	Great Bear 1 truck 700-ORW	\$75.47			\$4.53	\$80.00
30-Aug	Great Bear 1 truck 585-9TE	\$128.21			\$7.57	\$135.78
30-Aug	Great Bear Field supplies & equipment		\$136.70		\$8.15	\$144.85
30-Aug	Safeway Grocery Fort Frances (Tess)			\$154.93	\$0.63	\$155.56
31-Aug	Great Bear 1 truck 522-7JP	\$99.06			\$5.94	\$105.00
1-Sep	Great Bear 1 truck 585-9TE	\$41.51			\$2.49	\$44.00
1-Sep	Safeway Grocery Fort Frances (Tess)			\$103.06	\$2.05	\$105.11
1-Sep	Safeway Grocery Fort Frances (Tess)			\$233.52	\$2.59	\$236.11
3-Sep	Great Bear 1 truck 312-4M2+can	\$86.08			\$5.17	\$91.25
4-Sep	Safeway Grocery Fort Frances (Tess)			\$281.76	\$2.97	\$284.73
5-Sep	Great Bear Jerry Cans 522-7JP	\$87.80			\$5.27	\$93.07
5-Sep	Great Bear Field supplies & equipment		\$11.95		\$0.72	\$12.67
6-Sep	Great Bear 1 truck 586-7TE	\$53.26			\$3.20	\$56.46
6-Sep	Safeway Grocery Fort Frances (guys)			\$131.90	\$2.31	\$134.21
6-Sep	Safeway Grocery Fort Frances (Tess)			\$115.50	\$0.00	\$115.50
7-Sep	Safeway Grocery Fort Frances (Tess)			\$96.71	\$0.96	\$97.67
8-Sep	Great Bear 1 truck Jim's GMC	\$77.66			\$5.44	\$83.10
8-Sep	Great Bear 1 truck 522-7JP	\$86.80			\$5.21	\$92.01
9-Sep	Safeway Grocery Fort Frances (guys)			\$87.89	\$0.24	\$88.13
9-Sep	Great Bear Jerry Cans 522-7JP	\$36.64			\$2.20	\$38.84
10-Sep	Safeway Grocery Fort Frances (guys)	\$54.69		\$54.69	\$0.41	\$55.10
10-Sep	Safeway Grocery Fort Frances (Tess)			\$28.96	\$0.00	\$28.96
12-Sep	Great Bear Jerry Cans 522-7JP	\$99.07			\$5.94	\$105.01
13-Sep	Safeway Grocery Fort Frances (guys)			\$336.83	\$6.81	\$343.64
13-Sep	Great Bear 1 truck 700-ORW	\$73.35			\$4.40	\$77.75

13-Sep	Great Bear outboard motor	\$18.73
13-Sep	Great Bear 1 truck 586-7TE	\$24.30
13-Sep	Safeway Grocery Fort Frances (Tess)	
15-Sep	Safeway Grocery Fort Frances (Tess)	
16-Sep	Safeway Grocery Fort Frances (guys)	
17-Sep	Safeway Grocery Fort Frances (Tess)	
19-Sep	Great Bear Jerry Cans 522-7JP	\$89.72
19-Sep	Great Bear Jerry Cans 522-7JP	\$71.71
19-Sep	Safeway Grocery Fort Frances (Tess)	
20-Sep	Great Bear Field supplies & equipment	
21-Sep	Great Bear 1 truck 700-ORW	\$80.81

| \$19.33 |

	\$1.31	\$20.04
	\$1.70	\$26.00
\$106.29	\$0.99	\$107.28
\$49.69	\$0.00	\$49.69
\$265.47	\$2.94	\$268.41
\$164.15	\$0.54	\$164.69
	\$6.28	\$96.00
	\$4.30	\$76.01
\$66.81	\$0.19	\$67.00
	\$1.07	\$20.40
	\$4.85	\$85.66
TOTAL	TRENCH + L C	\$27,288.28

Trenching \$13,644.14
Line Cutting \$13,644.14

NORTH ROCK PROGRAM
 Summer 2006 Trench Program
 Lodging and Utilities Costs

	HOUSE	WAREHOUSE	PHONE BILLS	HS UTILITIES	WHS UTILITIES	
15-May	750	1500				
1-Jun						
15-Jun	1500	1500				
19-Jun			162.31	1234.88	1203.6	
30-Jun			28.03			
1-Jul						
7-Jul			160.6			
15-Jul	1500	1500				
1-Aug						
14-Aug			80.3			
15-Aug	1500	1500				
1-Sep						
14-Sep				95.41		
15-Sep	1500	1500				
18-Sep			80.3			
26-Sep			88.54			
Total	6750	7500	600.08	1330.29	1203.6	
Total Trenching + Line Cutting				\$17,383.97		
					Line Cutting	\$8,691.99
					Trenching	\$8,691.99

Remark: The 2 programs were carried out in same time

Bayview Motel Account (\$59 / day room for 2)

DATE		Real Costs
30-Jun		322.12
15-Jul	59	
16-Jul	59	
17-Jul	59	
18-Jul	59	
19-Jul	59	
20-Jul	59	
21-Jul	59	
22-Jul	59	
23-Jul	59	
24-Jul	59	
25-Jul	59	
26-Jul	59	
27-Jul	59	
28-Jul	59	
29-Jul	59	
30-Jul	59	
31-Jul	59	
1-Aug	59	
2-Aug	59	
3-Aug	59	
4-Aug	59	
5-Aug	59	
6-Aug	59	1410.15
7-Aug	59	
8-Aug	59	
9-Aug	59	
10-Aug	59	
11-Aug	59	
12-Aug	59	
13-Aug	59	
14-Aug	59	
15-Aug	59	
16-Aug	59	
17-Aug	59	
18-Aug	59	
19-Aug	59	
20-Aug	59	
21-Aug	59	
22-Aug	59	
23-Aug	59	
24-Aug	59	
25-Aug	59	
31-Aug		2095.67
Total: \$2,478.00		\$3,827.94 for trenching program

NORTH ROCK PROJECT
Summer 2006 Trench Program
Trucks Rentals

TRUCK'S MONTHLY CHARGES

	Geologists	Team 1	Team 2
May	\$900.00	\$900.00	\$900.00
June	\$1,800.00	\$1,800.00	\$1,800.00
July	\$1,800.00	\$1,800.00	\$1,800.00
August	\$1,800.00	\$1,800.00	\$1,800.00
September	\$1,800.00	\$1,350.00	\$600.00
TOTAL	\$8,100.00	\$7,650.00	\$6,900.00

Average cost: \$1,800 per month per truck

Grand Total \$22,650.00

Total invoicing by Enterprise Rent-A-Car of Thunder Bay

Date	Invoice #	Billing
30-May	J657	1643.76
22-Jun	J806	1643.76
28-Jun	J805	1708.56
9-Jul	J862	1643.76
28-Jul	J940	1643.76
28-Jul	J941	458.44
28-Jul	J942	1643.76
28-Jul	J1044	1708.56
28-Jul	J1045	382.86
16-Aug	J1201	567.22
28-Aug	J1124	1878.46
13-Sep	J1222	1303.35
15-Sep	J1359	833.94

\$17,060.19

NORTH ROCK PROJECT
Summer 2006 Trench Program
Excavator Charges

Date	Rate / Hour	# Hours	
15-May	\$115.00	8	\$920.00
16-May	\$115.00	8	\$920.00
17-May	\$115.00	9	\$1,035.00
18-May	\$115.00	4	\$460.00
19-May	\$115.00	9	\$1,035.00
20-May			
21-May			
22-May			
23-May	\$115.00	4	\$460.00
24-May	\$115.00	8	\$920.00
25-May	\$115.00	8	\$920.00
26-May	\$115.00	8	\$920.00
27-May			
28-May			
29-May	\$115.00	8	\$920.00
30-May	\$115.00	8	\$920.00
31-May	\$115.00	9	\$1,035.00
1-Jun	\$115.00	9	\$1,035.00
2-Jun	\$115.00	5.5	\$632.50
3-Jun			
4-Jun			
5-Jun	\$115.00	6	\$690.00
6-Jun	\$115.00	9	\$1,035.00
7-Jun	\$115.00	8.5	\$977.50
8-Jun	\$115.00	0	\$0.00
9-Jun	\$115.00	9	\$1,035.00
10-Jun			
11-Jun			
12-Jun	\$115.00	0	\$0.00
13-Jun	\$115.00	8.5	\$977.50
14-Jun	\$115.00	10	\$1,150.00
15-Jun	\$115.00	10	\$1,150.00
16-Jun	\$115.00	10	\$1,150.00
17-Jun			
18-Jun			
19-Jun	\$115.00	6	\$690.00
20-Jun	\$115.00	9	\$1,035.00
21-Jun	\$115.00	6	\$690.00
22-Jun	\$115.00	5	\$575.00
23-Jun	\$115.00	9	\$1,035.00
24-Jun			
25-Jun			
26-Jun	\$115.00	9	\$1,035.00
27-Jun	\$115.00	6.5	\$747.50
28-Jun	\$115.00	9	\$1,035.00
29-Jun	\$115.00	7	\$805.00
30-Jun	\$115.00	8	\$920.00
1-Jul			
2-Jul			
3-Jul			
4-Jul	\$115.00	6.5	\$747.50
5-Jul	\$115.00	9	\$1,035.00
6-Jul	\$115.00	5	\$575.00
7-Jul	\$115.00	6	\$690.00
8-Jul			
9-Jul			
10-Jul	\$115.00	7.5	\$862.50
11-Jul	\$115.00	8.5	\$977.50
12-Jul	\$115.00	4.5	\$517.50
13-Jul	\$115.00	9	\$1,035.00
14-Jul	\$115.00	8	\$920.00
15-Jul			

Backhoe Invoices

Invoice #	Period	total
J665	1-Jun-06	\$9,802.50
J810	28-Jun-06	\$65.21
J811	28-Jun-06	\$16,675.00
J964	2-Aug-06	\$15,582.50
J1140	18-Sep-06	\$634.81
Real Costs Total		\$42,760.02

16-Jul			
17-Jul	\$115.00	5	\$575.00
18-Jul	\$115.00	0	\$0.00
19-Jul	\$115.00	0	\$0.00
20-Jul	\$115.00	0	\$0.00
21-Jul	\$115.00	0	\$0.00
22-Jul			
23-Jul			
24-Jul	\$115.00	7	\$805.00
25-Jul	\$115.00	7	\$805.00
26-Jul	\$115.00	7	\$805.00
27-Jul	\$115.00	7	\$805.00
28-Jul	\$115.00	7	\$805.00
29-Jul			
30-Jul			
31-Jul	\$115.00	4	\$460.00

Day by Day Field Total \$41,285.00

Appendix IV
Laboratory Procedures
and
Certificates of Analyses
MetalCorp Ltd.
2006



Geochemical Procedure – ME-MS61
Ultra-Trace Level Method Using ICP-MS and ICP-AES

Sample Decomposition: HF-HNO₃-HClO₄ acid digestion, HCl leach (GEO-4A01)

Analytical Methods: Inductively Coupled Plasma - Atomic Emission Spectroscopy (ICP - AES)
 Inductively Coupled Plasma - Mass Spectrometry (ICP-MS)

A prepared sample (0.250 g) is digested with perchloric, nitric, and hydrofluoric acids to near dryness. The sample is then further digested in a small amount of hydrochloric acid. The solution is made up to a final volume of 12.5 mL with 11 % hydrochloric acid, homogenized, and analyzed by inductively coupled plasma-atomic emission spectrometry. Following this analysis, the results are reviewed for high concentrations of bismuth, mercury, molybdenum, silver and tungsten and diluted accordingly. Samples meeting this criterion are then analyzed by inductively coupled plasma-mass spectrometry. Results are corrected for spectral interelement interferences.

Element	Symbol	Units	Lower Limit	Upper Limit	Analytical Technique
Silver	Ag	ppm	0.01	100	AES+MS
Aluminum	Al	%	0.01	50	AES
Arsenic	As	ppm	0.2	10000	AES+MS
Barium*	Ba	ppm	10	10000	AES
Beryllium	Be	ppm	0.05	1000	AES+MS
Bismuth	Bi	ppm	0.01	10000	AES+MS
Calcium	Ca	%	0.01	50	AES
Cadmium	Cd	ppm	0.02	500	AES+MS
Cerium	Ce	ppm	0.01	500	MS
Cobalt	Co	ppm	0.1	10000	AES+MS



Element	Symbol	Units	Lower Limit	Upper Limit	Analytical Technique
Chromium*	Cr	ppm	1	10000	AES
Cesium	Cs	ppm	0.05	500	MS
Copper	Cu	ppm	0.2	10000	AES
Iron	Fe	%	0.01	50	AES
Gallium	Ga	ppm	0.05	500	MS
Germanium	Ge	ppm	0.05	500	MS
Hafnium	Hf	ppm	0.1	500	MS
Indium	In	ppm	0.005	500	MS
Potassium	K	%	0.01	10	AES
Lanthanum	La	ppm	0.5	500	MS
Lithium	Li	ppm	0.2	500	MS
Magnesium	Mg	%	0.01	50	AES
Manganese	Mn	ppm	5	100000	AES
Molybdenum	Mo	ppm	0.05	10000	MS+AES
Sodium	Na	%	0.01	10	AES
Niobium	Nb	ppm	0.1	500	MS
Nickel	Ni	ppm	0.2	10000	AES+MS
Phosphorous	P	ppm	10	10000	AES
Lead	Pb	ppm	0.5	10000	AES+MS
Rubidium	Rb	ppm	0.1	500	MS
Rhenium	Re	ppm	0.002	50	MS
Sulfur	S	%	0.01	10	AES
Antimony	Sb	ppm	0.05	1000	MS
Selenium	Se	ppm	1	1000	MS
Tin*	Sn	ppm	0.2	500	MS
Strontium	Sr	ppm	0.2	10000	AES+MS



Element	Symbol	Units	Lower Limit	Upper Limit	Analytical Technique
Tantalum*	Ta	ppm	0.05	100	MS
Tellurium	Te	ppm	0.05	500	MS
Thorium	Th	ppm	0.2	500	MS
Titanium*	Ti	%	0.005	10	AES+MS
Thallium	Tl	ppm	0.02	500	MS
Uranium	U	ppm	0.1	500	MS
Vanadium	V	ppm	1	10000	AES
Tungsten*	W	ppm	0.1	10000	AES+MS
Yttrium	Y	ppm	0.1	500	MS
Zinc	Zn	ppm	2	10000	AES
Zirconium*	Zr	ppm	0.5	500	MS

* Digestion will be incomplete for most sample matrices

Elements listed below are available upon request

Element	Symbol	Units	Lower Limit	Upper Limit	Analytical Technique
Scandium	Sc	ppm	0.1	250	MS

- MS - Results are from the ICP-MS scan
- AES - Results are from the ICP-AES scan
- AES+MS - Results are a combination of ICP-AES and ICP-MS scans



Sample Preparation Package – PREP-31
Standard Sample Preparation: Dry, Crush, Split and Pulverize

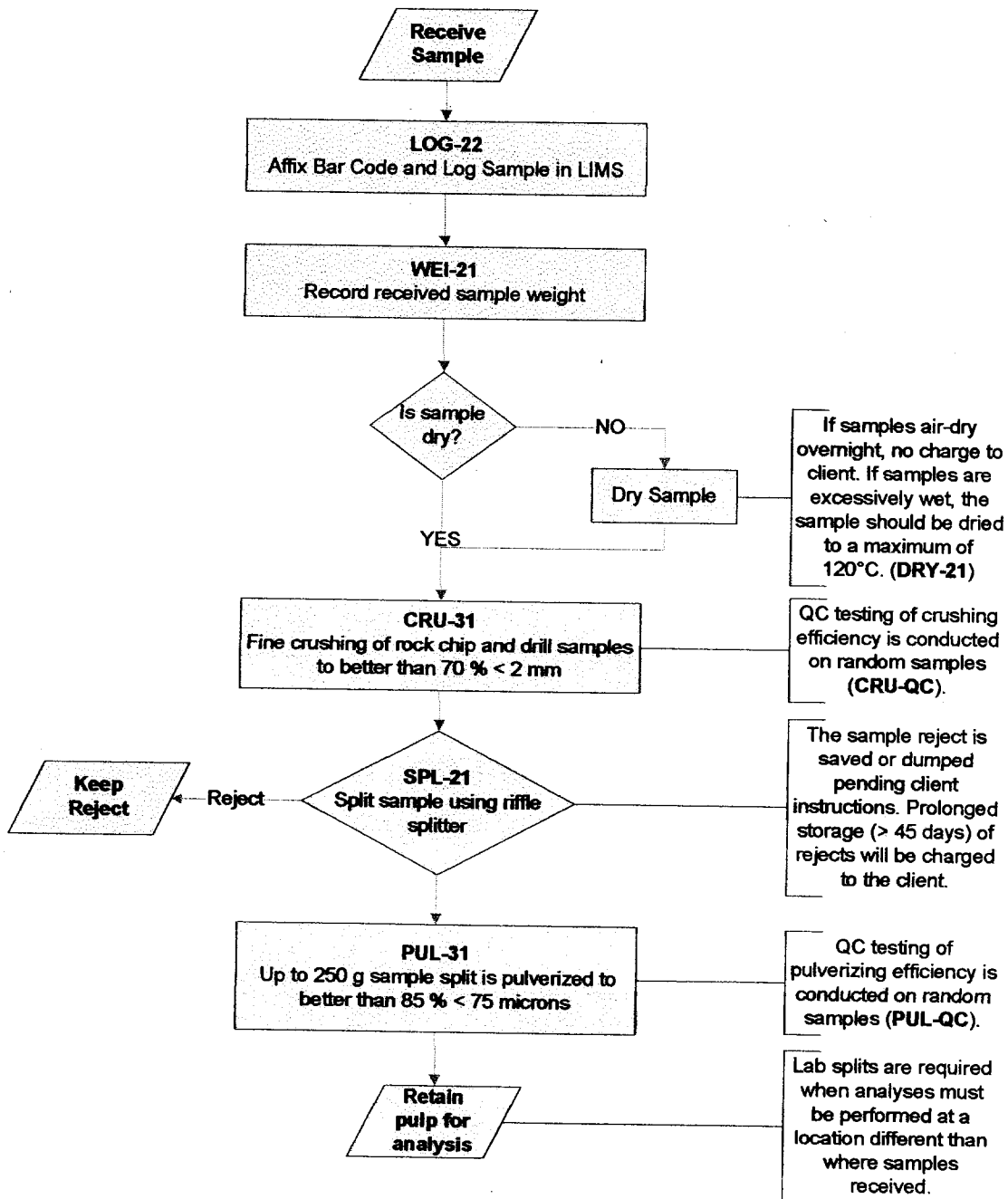
Sample preparation is the most critical step in the entire laboratory operation. The purpose of preparation is to produce a homogeneous analytical sub-sample that is fully representative of the material submitted to the laboratory.

The sample is logged in the tracking system, weighed, dried and finely crushed to better than 70 % passing a 2 mm (Tyler 10 mesh) screen. A split of up to 250 g is taken and pulverized to better than 85 % passing a 75 micron (Tyler 200 mesh) screen. This method is appropriate for rock chip or drill samples.

Method Code	Description
LOG-22	Sample is logged in tracking system and a bar code label is attached.
CRU-31	Fine crushing of rock chip and drill samples to better than 70 % of the sample passing 2 mm.
SPL-21	Split sample using riffle splitter.
PUL-31	A sample split of up to 250 g is pulverized to better than 85 % of the sample passing 75 microns.



Flow Chart - Sample Preparation Package – PREP-31
Standard Sample Preparation: Dry, Crush, Split and Pulverize





Geochemical Procedure - PGM-ICP23 and PGM-ICP24
Precious Metals Analysis Methods

Sample Decomposition: Fire Assay Fusion (FA-FUSPG1, FA-FUSPG2)
Analytical Method: Inductively Coupled Plasma – Atomic Emission Spectrometry (ICP-AES)

A prepared sample (30 – 50 g) is fused with a mixture of lead oxide, sodium carbonate, borax and silica, inquarted with 6 mg of gold-free silver and then cupelled to yield a precious metal bead. The bead is digested for 2 minutes at high power by microwave in dilute nitric acid. The solution is cooled and hydrochloric acid is added. The solution is digested for an additional 2 minutes at half power by microwave. The digested solution is then cooled, diluted to 4 mL with 2 % hydrochloric acid, homogenized and then analyzed for gold, platinum and palladium by inductively coupled plasma – atomic emission spectrometry.

Method Code	Element	Symbol	Units	Sample Mass (g)	Lower Limit	Upper Limit	Default Overlimit Method
PGM-ICP23	Gold	Au	ppm	30	0.001	10	Au-GRA21
PGM-ICP23	Platinum	Pt	ppm	30	0.005	10	PGM-ICP27
PGM-ICP23	Palladium	Pd	ppm	30	0.001	10	PGM-ICP27
PGM-ICP24	Gold	Au	ppm	50	0.001	10	Au-GRA21
PGM-ICP24	Platinum	Pt	ppm	50	0.005	10	PGM-ICP27
PGM-ICP24	Palladium	Pd	ppm	50	0.001	10	PGM-ICP27



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1

Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: METAL CORP LTD
309 S COURT ST
THUNDER BAY ON P7B 2Y1

Page: 1
Finalized Date: 26-JUN-2006
Account: METCOR

CERTIFICATE TB06049957

Project: NORTH ROCK

P.O. No.:

This report is for 60 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 8-JUN-2006.

The following have access to data associated with this certificate:

MITCH DUMOULIN

AUBREY J. EVELEIGH

A.D. MACTAVISH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	27 element four acid ICP-AES	ICP-AES
PGM-MS24	Pt, Pd and Au 50g FA ICP-MS	ICP-MS

To: METAL CORP LTD
ATTN: MITCH DUMOULIN
309 S COURT ST
THUNDER BAY ON P7B 2Y1

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: _____

Keith Rogers, Executive Manager Vancouver Laboratory



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Page: 2 - A
Total # Pages: 3 (A - C)
Finalized Date: 26-JUN-2006
Account: METCOR

Project: NORTH ROCK

CERTIFICATE OF ANALYSIS TB06049957

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81
		Recvd WL kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
C027001		0.67	<0.5	5.82	<5	20	0.6	<2	7.74	<0.5	34	74	172	8.82	0.11	2.09
C027002		1.00	<0.5	5.34	<5	60	0.7	<2	4.67	<0.5	80	37	449	12.30	0.26	1.06
C027003		0.95	<0.5	6.18	<5	50	<0.5	<2	6.33	<0.5	43	45	1045	14.75	0.23	2.95
C027004		0.89	<0.5	4.72	<5	30	<0.5	<2	5.25	<0.5	58	65	332	16.20	0.16	3.52
C027005		0.70	<0.5	5.52	<5	20	<0.5	<2	2.75	<0.5	66	142	1120	14.00	0.12	0.72
C027006		1.28	<0.5	6.17	<5	40	<0.5	<2	5.46	<0.5	75	9	328	15.50	0.22	2.20
C027007		0.62	<0.5	5.98	<5	40	<0.5	<2	5.12	<0.5	70	53	324	15.10	0.21	2.03
C027008		0.98	<0.5	5.72	<5	50	0.9	<2	3.83	<0.5	91	3	880	10.20	0.25	0.69
C027009		0.63	<0.5	5.38	6	40	0.8	<2	3.66	<0.5	87	100	605	15.05	0.17	1.05
C027010		0.95	<0.5	6.53	<5	220	0.7	<2	4.40	<0.5	31	3	129	11.20	0.46	1.89
C027011		1.25	<0.5	5.03	<5	70	0.6	<2	4.98	<0.5	83	83	503	11.30	0.26	1.90
C027012		0.69	<0.5	9.56	<5	70	<0.5	<2	7.38	<0.5	29	3	469	8.22	0.31	1.29
C027013		1.40	0.6	6.14	<5	160	<0.5	<2	5.81	<0.5	60	33	2250	14.10	0.44	3.46
C027014		0.63	<0.5	5.89	<5	80	<0.5	<2	5.83	<0.5	64	<1	171	13.10	0.36	2.64
C027015		0.92	<0.5	6.07	<5	80	<0.5	<2	5.25	<0.5	86	89	856	15.85	0.37	2.37
C027016		1.94	0.6	8.49	<5	370	0.9	<2	5.05	<0.5	33	344	160	5.15	0.68	3.72
C027017		1.13	<0.5	3.20	<5	80	1.2	<2	6.65	<0.5	55	1260	118	23.7	0.37	3.43
C027018		1.07	<0.5	7.77	<5	300	<0.5	<2	6.62	<0.5	29	206	52	9.06	0.78	4.51
C027019		0.80	<0.5	4.33	<5	50	1.3	<2	6.70	<0.5	3	173	39	13.90	0.19	1.51
C027020		0.94	<0.5	7.26	8	530	0.9	<2	6.27	<0.5	43	277	50	8.22	0.96	5.62
C027021		1.29	<0.5	2.66	13	30	<0.5	<2	7.74	<0.5	85	1475	718	14.75	0.21	5.82
C027022		0.88	<0.5	6.01	9	130	<0.5	<2	6.93	<0.5	65	503	41	16.10	0.68	3.13
C027023		1.29	<0.5	3.10	14	80	0.6	<2	8.20	<0.5	41	1130	104	13.75	0.29	6.18
C027024		0.90	<0.5	7.43	12	50	<0.5	<2	7.55	<0.5	32	189	46	10.80	0.31	4.18
C027025		0.67	<0.5	9.49	<5	40	<0.5	<2	12.65	<0.5	40	227	60	7.50	0.05	1.60
C027026		0.93	<0.5	6.64	<5	50	<0.5	<2	8.01	<0.5	72	17	496	10.40	0.22	2.87
C027027		0.95	<0.5	6.47	<5	20	0.6	<2	3.93	<0.5	112	214	1320	13.50	0.15	0.77
C027028		0.76	<0.5	1.40	5	10	<0.5	3	0.79	<0.5	73	466	63	20.3	0.04	10.70
C027029		0.97	<0.5	5.82	14	30	<0.5	<2	3.08	<0.5	79	256	967	12.80	0.14	0.55
C027030		0.86	<0.5	5.08	16	30	<0.5	<2	3.03	<0.5	75	8	943	11.15	0.17	0.63
C027031		0.96	0.5	5.87	18	30	0.5	<2	4.46	<0.5	37	169	601	9.94	0.20	1.54
C027032		1.07	<0.5	6.67	9	30	0.7	<2	3.89	<0.5	104	7	927	14.30	0.15	1.55
C027033		1.23	<0.5	5.54	7	10	0.6	<2	3.38	<0.5	92	188	524	12.05	0.08	1.09
C027034		1.25	3.9	5.72	32	120	0.5	<2	5.02	<0.5	41	65	3880	14.60	0.56	2.76
C027035		1.84	<0.5	0.70	11	10	0.8	<2	1.97	<0.5	4	20	41	8.25	0.05	1.40
C027036		1.84	<0.5	0.84	9	10	0.8	<2	1.94	<0.5	6	141	161	7.95	0.04	1.13
C027037		1.54	<0.5	0.64	14	10	0.8	<2	1.34	<0.5	3	21	56	6.13	0.03	1.29
C027038		4.42	<0.5	0.18	14	10	1.2	<2	2.52	<0.5	11	130	104	7.10	<0.01	0.82
C027039		2.50	<0.5	0.27	18	20	<0.5	<2	1.08	<0.5	3	13	98	11.85	0.03	1.00
C027040		2.65	<0.5	0.18	10	10	<0.5	<2	0.73	<0.5	8	135	147	5.99	0.06	0.63



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Account: METCOR

Project: NORTH ROCK

CERTIFICATE OF ANALYSIS TB06049957

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.001	0.0005
C027001		963	<1	0.70	130	290	<2	0.06	<5	650	0.71	392	<10	42	0.016	0.0031
C027002		849	<1	1.98	432	4270	7	0.74	<5	98	0.58	38	<10	99	0.004	<0.0005
C027003		1900	<1	1.82	68	700	6	0.12	<5	109	1.00	413	<10	79	0.013	<0.0005
C027004		2560	<1	1.29	84	700	<2	0.15	<5	27	0.69	238	<10	83	0.002	<0.0005
C027005		2230	10	1.85	57	1760	4	0.28	<5	57	0.72	7	10	161	0.027	<0.0005
C027006		2040	<1	1.71	108	650	5	0.49	<5	89	0.90	457	<10	94	<0.001	<0.0005
C027007		1990	<1	1.98	93	760	4	0.34	<5	95	0.95	449	<10	80	0.012	<0.0005
C027008		997	1	1.71	138	1630	8	0.92	<5	98	0.37	70	<10	75	0.003	0.0009
C027009		2290	1	1.88	181	1840	3	0.77	<5	78	0.59	24	<10	118	0.002	<0.0005
C027010		1735	1	2.12	30	2270	<2	0.65	<5	124	1.30	195	<10	120	0.001	<0.0005
C027011		1145	<1	2.05	177	1210	3	0.55	<5	88	0.63	276	<10	75	0.001	<0.0005
C027012		892	<1	1.78	35	280	3	0.05	<5	130	0.63	417	<10	57	0.009	0.0009
C027013		1625	2	0.98	67	880	<2	0.23	<5	12	0.95	527	<10	67	0.036	0.0008
C027014		1950	<1	1.80	89	930	4	0.18	<5	96	0.97	420	<10	156	0.002	<0.0005
C027015		1885	1	1.50	118	510	3	0.57	<5	65	0.95	409	<10	204	0.008	<0.0005
C027016		787	3	3.36	149	850	4	0.69	<5	1890	0.33	107	<10	77	0.001	0.0027
C027017		1825	<1	0.56	252	660	6	0.04	<5	51	0.72	196	<10	96	0.007	0.0079
C027018		1435	1	2.03	103	370	<2	0.14	<5	598	0.54	279	<10	82	0.002	0.0025
C027019		10050	3	0.20	7	740	11	0.09	<5	128	0.44	102	<10	72	0.001	<0.0005
C027020		1140	<1	2.12	122	830	7	0.15	<5	906	0.67	256	10	116	0.001	0.0045
C027021		1670	2	0.50	708	3960	10	1.15	15	34	0.86	301	<10	62	0.001	0.0072
C027022		1155	15	0.93	138	570	<2	0.02	17	27	0.83	1305	<10	60	0.001	0.0016
C027023		1550	2	0.67	324	>10000	2	0.40	7	47	0.70	729	<10	52	0.001	0.0071
C027024		1740	1	1.51	54	780	<2	0.10	12	217	1.06	378	10	118	0.001	0.0035
C027025		2170	2	0.40	94	330	3	0.12	9	357	0.47	286	<10	94	0.001	0.0086
C027026		1480	1	1.56	270	1330	2	0.49	7	129	0.78	358	<10	94	0.004	0.0014
C027027		1140	2	1.20	40	3420	<2	1.23	10	56	0.61	34	10	76	0.004	<0.0005
C027028		2970	1	0.06	238	410	<2	0.03	10	4	0.80	494	10	118	0.001	0.0008
C027029		3000	4	0.99	71	1670	<2	1.06	5	31	0.54	8	<10	48	0.004	<0.0005
C027030		1935	2	1.04	65	1540	<2	1.04	<5	33	0.48	8	<10	50	0.012	<0.0005
C027031		1135	2	1.00	50	2070	4	0.18	10	72	0.61	81	<10	98	0.016	0.0007
C027032		1895	1	1.44	59	900	<2	1.27	6	57	0.76	163	<10	105	0.002	<0.0005
C027033		1190	2	0.65	91	3460	<2	0.96	6	32	0.22	28	<10	73	0.001	<0.0005
C027034		3310	117	1.02	79	1910	<2	0.61	15	74	0.47	202	10	81	0.056	0.0069
C027035		4180	2	0.07	3	190	<2	0.12	6	3	0.04	22	10	243	0.003	0.0005
C027036		4180	2	0.07	10	230	5	0.78	<5	2	0.05	21	<10	194	0.002	0.0006
C027037		3240	1	0.06	2	180	<2	0.10	<5	<1	0.05	20	<10	204	0.001	<0.0005
C027038		2210	1	0.02	16	290	<2	2.42	<5	1	0.01	6	<10	103	0.001	<0.0005
C027039		986	2	0.02	<1	340	<2	0.26	5	<1	0.03	15	10	80	0.001	<0.0005
C027040		937	1	0.02	4	220	3	0.34	<5	<1	0.02	8	30	45	0.001	<0.0005



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Project: NORTH ROCK

CERTIFICATE OF ANALYSIS TB06049957

Sample Description	Method Analyte Units LOR	PGM-M824 Pd ppm 0.001
C027001		0.002
C027002		0.001
C027003		0.008
C027004		0.008
C027005		0.004
C027008		<0.001
C027007		0.001
C027008		0.012
C027009		<0.001
C027010		<0.001
C027011		0.003
C027012		<0.001
C027013		0.010
C027014		0.007
C027015		0.002
C027018		0.004
C027017		0.008
C027018		0.003
C027019		<0.001
C027020		0.005
C027021		0.002
C027022		0.033
C027023		0.033
C027024		0.004
C027025		0.008
C027026		0.022
C027027		0.001
C027028		0.019
C027029		0.001
C027030		0.001
C027031		0.009
C027032		0.007
C027033		0.003
C027034		0.007
C027035		0.001
C027036		0.001
C027037		0.001
C027038		0.001
C027039		0.001
C027040		0.002



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CERTIFICATE OF ANALYSIS TB06049957

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Be ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
C027041		0.02	0.5	0.01	5	10	0.5	2	0.01	0.8	1	1	1	0.01	0.01	0.01
C027042		3.58	<0.5	2.70	12	270	0.8	<2	0.90	<0.5	9	41	188	14.70	0.89	0.89
C027043		3.54	<0.5	3.75	<5	540	0.8	<2	0.75	0.8	4	91	133	21.1	1.13	0.21
C027044		2.21	<0.5	3.81	10	100	0.8	<2	2.15	<0.5	21	213	108	12.15	0.35	1.53
C027045		3.73	<0.5	7.47	12	130	0.7	<2	5.16	<0.5	24	130	35	6.63	0.26	1.99
C027046		4.88	0.8	5.01	15	80	1.3	<2	1.31	<0.5	44	70	227	15.75	1.08	1.46
C027047		5.54	<0.5	6.12	8	250	1.4	<2	1.19	<0.5	18	54	121	5.70	1.19	0.84
C027048		5.13	<0.5	0.14	7	10	<0.5	<2	0.03	<0.8	7	179	45	1.99	0.03	0.02
C027049		2.99	0.5	5.05	26	170	0.8	<2	3.89	1.2	180	237	2080	19.95	1.09	1.47
C027050		3.20	0.5	8.55	<5	300	1.2	<2	2.96	0.9	146	79	2100	18.80	1.60	1.36
C027101		4.24	<0.5	8.18	15	240	1.5	<2	3.65	4.4	104	8	885	12.45	0.92	1.52
C027102		4.04	<0.5	7.55	<5	400	1.6	<2	3.46	1.9	83	35	781	12.35	1.53	2.44
C027103		2.10	<0.5	7.65	10	110	0.9	<2	5.65	<0.5	40	381	207	6.02	0.33	3.78
C027104		3.60	0.5	4.79	<5	120	0.9	<2	5.76	<0.5	349	738	1835	23.0	0.72	1.85
C027105		4.27	0.5	5.98	27	250	1.2	<2	5.14	<0.5	147	886	2300	13.70	0.86	3.89
C027106		3.87	<0.5	3.48	19	40	1.2	<2	6.91	<0.5	209	1540	1955	21.1	0.46	2.41
C027107		3.49	1.0	3.42	24	30	0.8	<2	6.64	0.5	261	1375	5050	21.8	0.43	2.47
C027108		4.41	1.1	6.21	24	280	1.0	<2	4.78	<0.8	169	69	8440	19.10	0.98	1.45
C027109		4.32	0.8	6.98	14	260	1.3	<2	4.34	<0.5	79	4	2170	15.05	1.47	2.48
C027110		2.80	<0.5	6.68	11	300	0.5	<2	4.89	<0.5	61	76	1280	13.10	1.01	2.83
C027110		0.89	<0.5	9.26	13	80	<0.5	<2	9.08	<0.5	45	5	229	3.48	0.10	0.50



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Project: NORTH ROCK

CERTIFICATE OF ANALYSIS TB06049957

Sample Description	Method Analyte Units LOR	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	PGM-MS24	PGM-MS24	
		Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 5	Sr ppm 1	Ti % 0.01	V ppm 1	W ppm 10	Zn ppm 2	Au ppm 0.001	Pt ppm 0.0005
C027041		2200	1	0.73	10	190	8	1.05	<5	128	0.06	39	<10	59	0.001	0.0008
C027042		133	1	1.38	9	270	3	0.49	12	302	0.10	27	10	15	0.001	<0.0005
C027043		3000	1	0.23	54	230	<2	1.90	7	39	0.20	66	<10	99	0.002	0.0010
C027044		1555	2	1.61	68	1300	<2	0.21	7	178	0.62	147	10	90	0.001	<0.0005
C027045		1650	23	0.91	85	390	<2	6.90	9	72	0.28	91	10	100	0.004	0.0019
C027046		568	89	1.97	38	550	5	2.12	5	146	0.25	76	<10	83	0.001	0.0010
C027047		58	7	0.04	17	20	2	1.09	<5	5	0.01	2	10	3	0.001	<0.0005
C027048		1590	3	0.93	252	610	<2	2.53	21	36	0.81	129	10	459	0.007	0.0011
C027049		1536	5	1.53	184	770	2	1.96	16	92	0.96	127	<10	554	0.008	<0.0005
C027050		1650	3	3.03	112	890	<2	1.02	13	138	1.11	130	<10	1230	0.009	<0.0005
C027101		1455	3	2.42	73	830	<2	0.86	8	156	1.08	144	<10	630	0.003	<0.0005
C027102		958	1	2.84	76	700	<2	0.19	<5	576	0.30	156	10	166	0.001	0.0059
C027103		1195	5	0.76	757	600	<2	4.83	14	29	0.93	166	10	152	0.005	0.0051
C027104		1180	3	1.57	349	660	<2	1.22	7	175	0.91	179	10	189	0.006	0.0044
C027105		1515	4	0.64	432	530	<2	1.76	18	16	1.14	246	<10	243	0.003	0.0066
C027106		1540	4	0.63	583	660	<2	3.25	19	18	1.08	230	<10	241	0.049	0.0065
C027107		1250	5	0.97	320	730	<2	2.77	7	35	0.86	122	10	174	0.031	<0.0005
C027108		1490	6	1.22	83	750	<2	0.42	<5	52	0.97	140	10	259	0.031	<0.0005
C027109		2000	2	1.22	96	500	4	0.35	<5	81	0.82	274	<10	166	0.010	0.0009
C027110		417	<1	1.44	141	970	2	0.16	<5	148	0.06	129	<10	17	0.001	0.0011



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CERTIFICATE OF ANALYSIS TB06049957

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
C027041		0.001
C027042		0.001
C027043		0.001
C027044		<0.001
C027045		<0.001
C027046		0.001
C027047		0.001
C027048		0.001
C027049		0.001
C027050		<0.001
C027101		<0.001
C027102		0.016
C027103		<0.001
C027104		0.005
C027105		0.005
C027106		0.008
C027107		0.002
C027108		<0.001
C027109		0.002
C027110		0.012



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CERTIFICATE TB06054635

Project: North Rock

P.O. No.:

This report is for 29 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 19-JUN-2006.

The following have access to data associated with this certificate:

MITCH DUMOULIN

AUBREY J. EVELEIGH

A.D. MACTAVISH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	27 element four acid ICP-AES	ICP-AES
PGM-MS24	Pt, Pd and Au 50g FA ICP-MS	ICP-MS

To: METAL CORP LTD
ATTN: AUBREY J. EVELEIGH
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: _____

Keith Rogers, Executive Manager Vancouver Laboratory



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CERTIFICATE OF ANALYSIS TB06054635

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	0.01	0.01	0.01	
B680051		5.33	<0.5	5.81	8	50	<0.5	4	7.09	<0.5	55	216	36	11.15	0.24	4.43
B680052		7.63	<0.5	5.71	6	60	0.5	3	7.76	<0.5	54	300	27	11.10	0.25	4.73
B680053		7.17	<0.5	5.56	<5	60	0.5	<2	8.23	<0.5	54	326	56	10.35	0.22	4.59
B680054		4.69	<0.5	5.82	5	60	0.5	3	8.75	<0.5	61	328	95	10.65	0.24	4.86
B680055		4.85	<0.5	5.72	<5	60	0.5	2	8.34	<0.5	60	345	62	11.00	0.25	4.87
B680056		4.77	<0.5	5.53	<5	60	<0.5	2	8.09	<0.5	48	325	16	10.15	0.24	4.73
B680057		4.92	<0.5	5.43	<5	60	<0.5	3	8.49	<0.5	49	335	32	9.82	0.22	4.61
B680058		5.03	<0.5	5.54	12	70	<0.5	4	8.68	<0.5	63	341	87	10.85	0.29	4.89
B680059		4.69	<0.5	6.57	<5	170	0.7	<2	7.82	<0.5	50	504	35	8.69	0.45	5.37
B680060		6.31	<0.5	5.61	<5	70	<0.5	3	8.41	<0.5	63	344	132	10.70	0.27	4.80
B680061		5.16	<0.5	5.55	6	60	<0.5	3	8.62	<0.5	64	352	91	10.60	0.25	4.82
B680062		5.67	<0.5	5.50	5	60	<0.5	3	8.63	<0.5	59	328	78	10.45	0.24	4.80
B680063		6.20	<0.5	5.64	<5	80	<0.5	2	8.61	<0.5	61	334	86	10.35	0.32	4.96
B680064		5.48	<0.5	5.62	<5	60	0.5	2	8.34	<0.5	57	334	12	10.75	0.25	4.89
B680065		4.05	<0.5	6.02	<5	140	0.8	3	7.60	<0.5	63	647	171	10.35	0.38	4.33
B680066		4.42	<0.5	7.08	<5	310	0.6	<2	7.52	<0.5	45	198	23	8.35	0.59	4.48
B680067		4.57	<0.5	5.76	<5	70	0.5	3	8.72	<0.5	56	355	84	11.30	0.29	4.77
B680068		3.28	<0.5	4.91	<5	100	1.2	2	9.51	<0.5	87	897	168	14.55	0.39	2.95
B680069		1.98	<0.5	5.97	<5	220	1.1	3	9.70	<0.5	82	876	253	11.30	0.40	3.71
B680070		3.57	<0.5	5.69	<5	70	0.5	2	8.51	<0.5	60	334	26	10.80	0.28	4.92
B680071		2.88	<0.5	6.22	<5	100	0.7	3	8.09	<0.5	68	606	114	12.25	0.41	4.66
B680072		4.74	<0.5	7.60	<5	250	0.6	2	7.40	<0.5	41	144	42	7.65	0.47	4.14
B680073		4.69	<0.5	6.33	<5	180	0.6	<2	7.36	<0.5	56	315	78	10.75	0.52	4.60
B680074		3.11	<0.5	5.64	6	90	0.5	3	8.60	<0.5	59	341	28	10.70	0.30	4.97
B680075		2.67	<0.5	6.15	<5	180	0.6	<2	8.47	<0.5	58	357	52	10.95	0.43	5.14
B680076		4.04	0.5	7.06	7	250	0.6	4	8.07	<0.5	52	241	65	9.47	0.54	4.78
B680077		4.20	<0.5	5.88	<5	80	0.5	<2	8.82	<0.5	55	362	101	10.85	0.30	4.93
B680078		3.31	<0.5	5.79	<5	70	1.2	2	9.59	<0.5	76	992	77	13.15	0.27	3.04
B680079		2.16	0.5	6.65	<5	230	1.0	<2	9.63	<0.5	61	798	90	9.91	0.42	3.86



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Project: North Rock

CERTIFICATE OF ANALYSIS TB06054635

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24	
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	0.001	0.0005	
B680051		1790	<1	1.76	156	170	3	0.01	<5	112	0.85	345	<10	107	0.001	0.0164
B680052		1645	<1	1.63	170	380	3	0.02	<5	111	0.83	359	<10	114	0.001	0.0144
B680053		1520	<1	1.58	173	390	2	0.04	<5	117	0.82	347	<10	109	0.001	0.0140
B680054		1660	<1	1.56	209	390	2	0.11	<5	121	0.83	355	<10	167	0.001	0.0148
B680055		1670	<1	1.61	195	380	2	0.07	<5	117	0.85	364	<10	157	0.001	0.0158
B680056		1645	<1	1.72	162	400	2	<0.01	<5	111	0.82	359	<10	143	0.001	0.0136
B680057		1565	<1	1.71	164	720	<2	0.03	<5	119	0.80	332	<10	135	0.001	0.0154
B680058		1740	<1	1.42	216	390	<2	0.10	<5	113	0.81	363	<10	155	0.002	0.0176
B680059		1480	<1	1.77	169	560	2	0.03	<5	208	0.56	259	<10	105	0.001	0.0103
B680060		1705	<1	1.56	195	390	2	0.13	<5	135	0.83	355	<10	87	0.001	0.0144
B680061		1680	<1	1.49	192	380	4	0.08	<5	125	0.83	355	<10	80	0.001	0.0148
B680062		1615	<1	1.46	178	370	4	0.07	<5	124	0.82	346	<10	74	0.001	0.0154
B680063		1545	<1	1.49	192	390	3	0.06	<5	136	0.83	351	<10	76	0.001	0.0157
B680064		1610	1	1.49	196	380	2	0.01	<5	135	0.81	353	<10	83	<0.001	0.0150
B680065		1530	1	1.80	301	520	3	0.18	<5	177	0.89	315	<10	78	0.001	0.0119
B680066		1300	<1	2.10	109	540	<2	0.02	<5	300	0.59	261	<10	64	<0.001	0.0088
B680067		1675	1	1.45	184	380	3	0.07	<5	155	0.84	368	<10	94	0.001	0.0168
B680068		1925	1	1.25	701	740	3	0.20	<5	123	1.11	253	<10	88	0.001	0.0043
B680069		1555	1	1.51	767	610	<2	0.23	<5	345	0.52	180	<10	89	0.005	0.0046
B680070		1610	<1	1.59	190	390	2	0.02	<5	145	0.83	360	<10	86	0.001	0.0167
B680071		1770	1	1.83	271	500	3	0.10	<5	136	0.96	385	<10	97	0.001	0.0138
B680072		1230	<1	2.42	76	630	<2	0.02	<5	372	0.51	225	<10	68	0.001	0.0061
B680073		1570	<1	1.86	196	490	2	0.06	<5	156	0.80	341	<10	83	0.010	0.0163
B680074		1585	<1	1.45	207	400	4	0.03	<5	143	0.83	355	<10	67	0.001	0.0162
B680075		1720	1	1.60	199	410	2	0.04	<5	158	0.85	372	<10	77	0.001	0.0154
B680076		1465	<1	2.08	137	520	3	0.04	<5	273	0.67	304	<10	70	0.001	0.0106
B680077		1625	<1	1.63	210	410	<2	0.10	<5	158	0.87	377	<10	93	0.001	0.0160
B680078		1960	1	1.77	805	630	2	0.11	<5	182	1.11	277	<10	90	0.001	0.0058
B680079		1530	<1	1.62	400	590	4	0.05	<5	438	0.52	217	<10	83	0.001	0.0049



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Project: North Rock

CERTIFICATE OF ANALYSIS TB06054635

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
B680051		0.004
B680052		0.009
B680053		0.011
B680054		0.015
B680055		0.015
B680056		0.007
B680057		0.011
B680058		0.017
B680059		0.010
B680060		0.012
B680061		0.017
B680062		0.014
B680063		0.012
B680064		0.013
B680065		0.010
B680066		0.006
B680067		0.015
B680068		0.006
B680069		0.004
B680070		0.012
B680071		0.011
B680072		0.003
B680073		0.019
B680074		0.015
B680075		0.017
B680076		0.007
B680077		0.013
B680078		0.005
B680079		0.002



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CERTIFICATE TB06058467

Project: North Rock

P.O. No.:

This report is for 72 Channel samples submitted to our lab in Thunder Bay, ON, Canada on 28-JUN-2006.

The following have access to data associated with this certificate:

MITCH DUMOULIN

AUBREY J. EVELEIGH

A.D. MACTAVISH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	27 element four acid ICP-AES	ICP-AES
PGM-MS24	Pt, Pd and Au 50g FA ICP-MS	ICP-MS

To: METAL CORP LTD
ATTN: AUBREY J. EVELEIGH
309 S COURT ST
THUNDER BAY ON P7B 2Y1

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Keith Rogers, Executive Manager Vancouver Laboratory



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CERTIFICATE OF ANALYSIS TB06058467

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	0.01	0.01	0.01	
B680080		5.72	<0.5	7.16	<5	60	0.6	<2	8.07	<0.5	53	58	25	10.15	0.17	2.68
B680081		4.46	<0.5	7.21	<5	60	0.6	<2	7.49	<0.5	46	62	24	9.93	0.17	3.32
B680082		4.64	<0.5	6.06	5	50	0.5	2	7.09	<0.5	50	118	8	9.33	0.15	3.62
B680083		3.18	<0.5	6.43	7	40	<0.5	<2	9.04	<0.5	43	106	10	8.15	0.10	3.89
B680084		4.83	<0.5	6.95	6	40	0.5	<2	10.05	<0.5	38	136	13	7.31	0.08	3.95
B680085		4.06	<0.5	6.68	6	40	0.5	<2	9.02	<0.5	37	109	12	6.52	0.08	3.40
B680086		5.52	<0.5	6.76	9	40	0.5	<2	9.99	<0.5	47	131	12	8.07	0.09	4.15
B680087		4.59	<0.5	6.30	<5	50	<0.5	2	7.83	<0.5	52	107	19	9.92	0.15	3.89
B680088		3.03	<0.5	6.06	<5	40	<0.5	<2	8.83	<0.5	44	109	18	7.98	0.11	3.61
B680089		1.72	<0.5	6.37	<5	50	<0.5	<2	8.39	<0.5	57	101	62	10.45	0.16	4.12
B680090		3.02	<0.5	6.42	<5	40	<0.5	<2	9.26	<0.5	41	115	21	8.78	0.12	4.11
B680091		5.34	<0.5	6.62	6	50	0.5	<2	9.14	<0.5	51	105	49	9.69	0.16	4.20
B680092		2.64	<0.5	6.48	18	50	0.5	<2	8.41	<0.5	54	99	14	10.30	0.18	4.02
B680093		3.27	<0.5	6.35	<5	40	0.5	<2	8.80	<0.5	54	109	55	10.10	0.15	3.77
B680094		3.76	<0.5	6.64	9	40	0.6	<2	9.16	<0.5	49	104	32	10.50	0.16	3.73
B680095		4.70	<0.5	6.64	<5	40	0.5	<2	8.28	<0.5	52	115	66	10.45	0.16	4.00
B680096		5.13	<0.5	6.77	<5	40	0.5	<2	8.67	<0.5	53	114	10	10.55	0.17	4.02
B680097		5.13	<0.5	6.48	<5	40	<0.5	<2	8.18	<0.5	46	125	7	10.10	0.16	4.07
B680098		3.26	<0.5	6.47	6	40	0.5	<2	8.48	<0.5	56	137	17	10.55	0.19	4.28
B680099		4.06	<0.5	6.67	7	50	0.5	<2	8.65	<0.5	54	134	90	11.05	0.20	4.36
B680100		3.42	<0.5	6.44	<5	40	0.5	<2	8.19	<0.5	50	145	53	11.00	0.22	4.23
B680101		3.39	<0.5	6.89	<5	30	0.5	<2	7.11	<0.5	43	149	16	10.65	0.16	4.05
B680102		4.27	<0.5	10.15	<5	160	1.4	<2	3.44	<0.5	26	45	42	7.02	0.92	1.56
B680103		3.91	<0.5	8.86	<5	50	0.7	<2	5.41	<0.5	39	114	8	9.92	0.33	3.37
B680104		3.96	<0.5	9.94	<5	100	0.7	<2	4.16	<0.5	28	77	3	7.96	0.76	2.07
B680105		2.91	<0.5	7.62	5	80	0.5	<2	3.41	<0.5	42	337	64	10.40	0.93	3.75
B680106		3.51	<0.5	8.17	<5	310	0.5	2	2.23	<0.5	48	234	38	11.75	2.30	2.77
B680107		2.63	<0.5	11.15	<5	220	0.8	3	2.42	<0.5	40	50	141	8.05	0.92	1.42
B680108		3.42	<0.5	10.95	6	150	0.8	<2	2.56	<0.5	28	38	155	4.98	0.76	1.02
B680109		2.92	<0.5	9.95	<5	210	0.6	<2	3.60	<0.5	32	67	113	7.39	0.93	1.55
B680110		3.82	<0.5	6.54	<5	40	0.5	<2	7.79	<0.5	44	192	43	10.40	0.28	4.74
B680111		4.80	<0.5	6.30	<5	40	0.5	<2	8.77	<0.5	38	225	27	8.69	0.18	4.69
B680112		2.44	<0.5	5.74	<5	50	0.5	<2	8.18	<0.5	50	312	27	10.45	0.24	5.02
B680113		2.52	<0.5	5.81	<5	60	<0.5	<2	7.84	<0.5	46	285	25	10.35	0.25	4.90
B680114		3.46	<0.5	5.64	<5	70	<0.5	<2	7.67	<0.5	42	282	22	10.20	0.25	4.97
B680115		3.24	<0.5	6.33	6	60	0.5	<2	7.96	<0.5	45	224	38	9.80	0.25	4.89
B680116		2.88	<0.5	6.38	10	70	0.5	<2	9.30	<0.5	40	171	162	8.39	0.21	4.39
B680117		4.23	<0.5	5.95	7	60	0.5	<2	8.90	<0.5	43	248	209	8.67	0.19	4.74
B680118		3.79	<0.5	5.85	<5	60	0.5	<2	9.71	<0.5	44	313	28	8.69	0.20	4.73
B680119		2.04	<0.5	5.75	7	60	0.6	<2	9.69	<0.5	43	292	11	8.50	0.19	4.83



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CERTIFICATE OF ANALYSIS TB06058467

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24	
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.001	0.0005
B680080		2060	<1	2.25	76	590	5	0.01	<5	285	1.10	357	<10	84	0.001	<0.0005
B680081		1685	<1	2.43	79	510	4	0.01	<5	249	0.97	298	<10	73	0.001	0.0018
B680082		1665	<1	1.96	129	420	<2	<0.01	<5	200	0.92	314	<10	80	0.001	0.0122
B680083		1715	<1	1.86	96	140	<2	<0.01	<5	203	0.97	278	<10	69	0.001	0.0099
B680084		1755	<1	2.11	94	40	<2	0.01	5	228	1.08	280	<10	57	0.001	0.0082
B680085		1530	<1	2.14	89	50	<2	<0.01	<5	227	1.07	279	<10	54	0.001	0.0086
B680086		1745	<1	2.16	98	80	<2	0.01	<5	226	1.10	351	<10	68	0.001	0.0083
B680087		1840	<1	1.98	130	260	3	0.01	<5	180	0.99	337	<10	80	0.001	0.0115
B680088		1645	<1	1.73	89	120	2	0.01	<5	190	0.95	393	<10	63	0.001	0.0126
B680089		1880	<1	1.74	122	430	3	0.05	<5	180	0.98	354	<10	78	0.001	0.0161
B680090		1815	<1	1.86	92	210	<2	0.02	<5	186	0.94	300	<10	67	0.001	0.0131
B680091		1865	<1	2.04	124	440	3	0.03	<5	186	0.99	339	<10	90	0.001	0.0203
B680092		1850	<1	1.92	127	430	4	<0.01	<5	162	0.98	349	<10	73	0.001	0.0133
B680093		1865	<1	1.97	128	450	<2	0.08	<5	204	0.96	339	<10	86	0.001	0.0144
B680094		1900	<1	2.01	96	320	<2	0.04	<5	212	1.04	385	<10	103	0.001	0.0152
B680095		1835	<1	2.09	118	330	4	0.09	<5	213	1.01	347	<10	107	0.001	0.0162
B680096		1970	<1	1.96	118	470	2	0.01	<5	186	1.00	346	<10	89	<0.001	0.0140
B680097		1895	<1	2.02	104	200	2	0.01	<5	194	0.98	347	<10	87	0.001	0.0146
B680098		1885	<1	1.80	152	460	<2	0.02	<5	170	0.97	356	<10	91	0.002	0.0110
B680099		1925	<1	1.87	146	440	3	0.10	<5	172	0.97	352	<10	73	0.001	0.0152
B680100		1805	2	1.81	138	390	2	0.05	<5	140	0.96	355	<10	82	0.002	0.0203
B680101		1515	<1	2.42	111	150	<2	<0.01	<5	120	1.04	357	<10	75	0.001	0.0116
B680102		689	<1	4.91	43	120	<2	<0.01	<5	92	0.83	202	<10	46	0.001	0.212
B680103		1205	<1	3.53	77	50	2	<0.01	<5	99	0.82	244	<10	66	<0.001	0.0176
B680104		758	1	3.82	57	30	<2	<0.01	<5	102	0.82	157	<10	44	0.001	0.0171
B680105		923	<1	2.76	79	30	<2	0.02	<5	37	0.11	336	<10	57	0.002	0.841
B680106		911	<1	2.75	75	20	<2	0.02	<5	45	1.58	278	<10	60	0.003	0.475
B680107		482	<1	4.26	42	20	3	0.07	<5	130	0.58	92	<10	44	0.001	0.0542
B680108		260	<1	4.87	32	30	<2	0.02	<5	118	0.07	59	<10	34	0.004	0.0664
B680109		598	<1	3.78	43	30	3	0.02	<5	122	0.69	116	<10	44	0.004	0.0716
B680110		1565	<1	1.83	102	120	2	<0.01	<5	116	0.96	345	<10	76	0.001	0.0133
B680111		1605	<1	1.57	89	60	3	<0.01	<5	152	0.95	358	<10	88	<0.001	0.0195
B680112		1620	<1	1.54	103	20	2	<0.01	<5	115	0.93	383	<10	79	0.001	0.0130
B680113		1505	<1	1.66	102	30	<2	<0.01	<5	105	0.92	395	<10	68	0.001	0.0132
B680114		1525	<1	1.60	100	30	2	<0.01	<5	89	0.81	407	<10	62	0.001	0.0116
B680115		1535	<1	1.87	107	40	<2	0.01	<5	108	1.01	339	<10	77	0.002	0.0128
B680116		1565	<1	1.71	106	160	3	0.03	<5	148	0.95	374	<10	125	0.002	0.0186
B680117		1525	<1	1.62	118	70	<2	0.02	<5	130	0.87	400	<10	86	0.001	0.0156
B680118		1495	<1	1.59	113	80	<2	<0.01	<5	132	0.84	339	<10	81	0.001	0.0134
B680119		1485	<1	1.54	117	60	<2	<0.01	<5	123	0.85	379	<10	76	0.001	0.0168



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Account: METCOR

Project: North Rock

CERTIFICATE OF ANALYSIS TB06058467

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
B680080		<0.001
B680081		0.002
B680082		0.004
B680083		0.003
B680084		0.002
B680085		0.004
B680086		0.002
B680087		0.009
B680088		0.010
B680089		0.018
B680090		0.014
B680091		0.026
B680092		0.005
B680093		0.031
B680094		0.010
B680095		0.013
B680096		0.007
B680097		0.003
B680098		0.008
B680099		0.014
B680100		0.014
B680101		0.004
B680102		0.003
B680103		0.009
B680104		0.048
B680105		0.084
B680106		0.008
B680107		0.004
B680108		0.005
B680109		0.002
B680110		0.006
B680111		0.003
B680112		0.001
B680113		0.002
B680114		0.002
B680115		0.008
B680116		0.010
B680117		0.003
B680118		0.003
B680119		0.003



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Project: North Rock

CERTIFICATE OF ANALYSIS TB06058467

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg		
		kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%		
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	0.01	0.01	0.01			
B680120		3.27	<0.5	5.66	<5	80	0.5	<2	9.68	<0.5	47	312	104	9.03	0.25	4.73		
B680121		4.11	<0.5	5.54	7	80	<0.5	<2	8.91	<0.5	45	302	16	9.49	0.25	4.68		
B680122		3.48	<0.5	5.28	<5	70	<0.5	<2	8.72	<0.5	51	312	16	10.30	0.27	4.77		
B680123		3.39	<0.5	5.58	10	80	<0.5	<2	8.94	<0.5	46	337	7	9.24	0.27	4.79		
B680124		3.48	<0.5	5.28	9	70	<0.5	<2	8.36	<0.5	50	313	34	9.42	0.25	4.57		
B680125		4.74	<0.5	5.14	<5	60	0.5	<2	8.39	<0.5	48	291	17	9.62	0.24	4.69		
B680126		5.57	<0.5	5.13	<5	60	0.5	<2	7.98	<0.5	52	308	22	10.15	0.27	4.91		
B680127		4.10	<0.5	5.30	12	70	0.5	<2	8.31	<0.5	49	311	90	10.25	0.27	4.77		
B680128		4.49	<0.5	5.57	7	70	0.5	<2	8.38	<0.5	56	345	192	9.34	0.23	4.66		
B680129		6.28	<0.5	3.24	9	50	0.8	<2	10.25	<0.5	122	1275	622	14.85	0.33	4.07		
B680130		5.28	<0.5	2.91	<5	40	0.7	<2	8.57	<0.5	118	1270	481	16.65	0.25	4.65		
B680131		3.72	<0.5	3.50	<5	40	0.8	<2	8.83	<0.5	183	1095	1930	15.25	0.24	3.98		
B680132		5.62	<0.5	3.60	5	30	0.7	<2	7.15	<0.5	307	1030	1585	16.15	0.22	4.54		
B680133		3.27	<0.5	2.75	<5	40	0.7	<2	10.05	<0.5	179	1060	991	17.05	0.27	2.96		
B680134		3.46	<0.5	3.52	10	40	0.8	<2	9.70	<0.5	130	1300	661	14.75	0.25	3.74		
B680135		3.49	<0.5	7.50	<5	70	<0.5	<2	7.17	<0.5	48	116	133	8.90	0.25	3.71		
B680136		4.38	<0.5	8.23	5	110	<0.5	<2	7.31	<0.5	46	116	102	9.82	0.32	4.13		
B680137		3.69	<0.5	7.86	12	90	<0.5	<2	7.14	<0.5	44	119	86	9.41	0.29	4.00		
B680138		4.06	<0.5	4.58	20	40	0.7	<2	8.42	<0.5	80	1230	186	13.25	0.24	6.04		
B680139		2.26	<0.5	3.55	<5	30	0.8	<2	8.61	<0.5	73	1505	176	12.95	0.22	7.22		
B680140		5.85	<0.5	5.99	<5	50	<0.5	<2	10.25	<0.5	50	337	11	10.50	0.23	5.07		
B680141		3.06	<0.5	6.37	<5	80	0.5	<2	8.86	<0.5	50	305	79	10.80	0.32	4.58		
B680142		2.44	<0.5	6.42	<5	80	0.5	<2	9.01	<0.5	49	263	40	10.00	0.33	4.73		
B680143		3.74	<0.5	8.26	9	100	<0.5	<2	7.44	<0.5	45	120	122	9.72	0.30	4.13		
B680144		4.97	<0.5	7.94	<5	90	<0.5	<2	7.37	<0.5	45	114	86	9.55	0.26	4.01		
B680145		4.64	<0.5	7.88	12	110	<0.5	<2	7.04	<0.5	45	119	90	9.85	0.30	3.99		
B680146		2.94	<0.5	3.52	10	40	0.9	<2	9.74	<0.5	179	1455	911	16.80	0.28	3.76		
B680147		1.72	<0.5	3.67	5	20	0.7	<2	8.39	<0.5	90	1655	525	13.60	0.21	6.32		
B680148		3.59	<0.5	3.67	14	30	0.6	<2	8.41	<0.5	103	1725	622	11.90	0.19	6.53		
B680149		5.05	<0.5	5.57	<5	70	<0.5	<2	8.82	<0.5	46	372	34	10.40	0.27	4.87		
B680150		2.36	<0.5	5.89	<5	60	<0.5	<2	9.89	<0.5	43	337	8	9.33	0.23	4.86		
B680151		0.93	<0.5	3.61	5	30	0.8	<2	8.26	<0.5	196	1615	2180	16.05	0.25	4.57		



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Project: North Rock

CERTIFICATE OF ANALYSIS TB06058467

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24	
	Analyte	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
	Units LOR	ppm 5	ppm 1	% 0.01	ppm 1	ppm 10	ppm 2	% 0.01	ppm 5	ppm 1	% 0.01	ppm 1	ppm 10	ppm 2	ppm 0.001	ppm 0.0005
B680120		1520	<1	1.47	160	330	<2	0.04	<5	123	0.82	326	<10	240	0.002	0.0156
B680121		1530	1	1.51	153	230	2	0.01	<5	118	0.82	345	<10	151	0.001	0.0160
B680122		1595	<1	1.30	180	200	<2	0.02	<5	95	0.78	381	<10	120	0.001	0.0148
B680123		1480	<1	1.42	172	230	<2	<0.01	<5	117	0.79	367	<10	103	<0.001	0.0165
B680124		1475	5	1.44	165	300	<2	0.01	<5	106	0.81	354	<10	102	0.001	0.0234
B680125		1450	<1	1.36	166	290	2	0.01	<5	101	0.78	391	<10	102	<0.001	0.0309
B680126		1510	<1	1.35	164	400	3	0.01	<5	98	0.78	407	<10	108	<0.001	0.0452
B680127		1485	<1	1.45	175	670	3	0.02	<5	108	0.80	358	<10	118	0.001	0.0208
B680128		1405	<1	1.48	242	390	<2	0.10	<5	149	0.83	327	<10	278	0.002	0.0169
B680129		1505	<1	0.64	821	440	2	1.20	<5	33	0.70	187	<10	79	0.001	0.0065
B680130		1365	<1	0.58	866	520	4	0.88	<5	27	0.66	175	<10	89	0.002	0.0071
B680131		1440	<1	0.56	1220	430	2	2.46	<5	49	0.72	184	<10	94	0.003	0.0032
B680132		1295	<1	0.58	1935	390	<2	4.08	<5	28	0.71	183	<10	86	0.004	0.0028
B680133		1785	<1	0.49	1065	590	2	1.81	<5	33	0.58	154	<10	84	0.001	0.0066
B680134		1680	<1	0.53	951	380	<2	1.08	<5	48	0.71	186	<10	95	0.001	0.0057
B680135		1360	<1	1.90	107	390	<2	0.16	<5	165	0.64	297	<10	84	0.001	<0.0005
B680136		1655	9	2.16	104	410	<2	0.11	<5	158	0.74	332	<10	94	0.001	0.0005
B680137		1550	<1	2.10	111	390	<2	0.13	<5	176	0.69	315	<10	88	<0.001	0.0005
B680138		1645	<1	0.93	766	400	<2	0.07	<5	62	0.74	228	<10	120	0.001	0.0050
B680139		1595	2	0.66	666	440	<2	0.07	<5	21	0.76	210	<10	114	0.001	0.0069
B680140		1855	<1	1.44	168	400	<2	0.01	<5	236	0.90	349	<10	109	0.001	0.0150
B680141		1765	<1	1.69	166	410	<2	0.05	<5	239	0.93	373	<10	99	0.001	0.0170
B680142		1750	<1	1.98	158	450	<2	0.04	<5	234	1.00	363	<10	116	<0.001	0.0160
B680143		1565	<1	2.10	105	410	<2	0.18	<5	178	0.73	318	<10	87	0.001	0.0006
B680144		1535	<1	2.01	102	390	<2	0.11	<5	172	0.70	311	<10	85	0.001	0.0006
B680145		1580	<1	2.17	116	400	<2	0.09	<5	188	0.69	311	<10	84	0.001	0.0005
B680146		1900	<1	0.61	1405	410	<2	1.59	<5	38	0.76	198	<10	110	0.001	0.0049
B680147		1525	1	0.65	823	430	<2	0.52	<5	32	0.86	221	<10	122	0.001	0.0066
B680148		1450	<1	0.71	993	340	<2	0.74	<5	60	0.86	219	<10	122	0.002	0.0070
B680149		1685	<1	1.68	186	400	<2	0.02	<5	184	0.87	349	<10	105	0.001	0.0150
B680150		1825	<1	1.62	184	350	<2	0.01	<5	221	0.91	362	<10	94	<0.001	0.0158
B680151		1610	<1	0.63	1690	380	<2	2.61	<5	32	0.84	214	<10	116	0.004	0.0065



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Project: North Rock

CERTIFICATE OF ANALYSIS TB06058467

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
B680120		0.016
B680121		0.010
B680122		0.004
B680123		0.007
B680124		0.014
B680125		0.006
B680126		0.006
B680127		0.009
B680128		0.027
B680129		0.012
B680130		0.021
B680131		0.039
B680132		0.126
B680133		0.015
B680134		0.008
B680135		<0.001
B680136		<0.001
B680137		0.001
B680138		0.004
B680139		0.004
B680140		0.008
B680141		0.015
B680142		0.015
B680143		<0.001
B680144		<0.001
B680145		<0.001
B680146		0.006
B680147		0.007
B680148		0.008
B680149		0.011
B680150		0.006
B680151		0.009



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CERTIFICATE TB06062453

Project: North Rock

P.O. No.:

This report is for 93 Channel samples submitted to our lab in Thunder Bay, ON, Canada on 6-JUL-2006.

The following have access to data associated with this certificate:

MITCH DUMOULIN

AUBREY J. EVELEIGH

A.D. MACTAVISH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	27 element four acid ICP-AES	ICP-AES
PGM-MS24	Pt, Pd and Au 50g FA ICP-MS	ICP-MS

To: METAL CORP LTD
ATTN: AUBREY J. EVELEIGH
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Keith Rogers, Executive Manager Vancouver Laboratory



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CERTIFICATE OF ANALYSIS TB06062453

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%
	LOR	0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01	0.01
B680152		4.84	0.5	7.51	5	100	<0.5	<2	6.26	<0.5	57	373	97	9.65	0.34	5.10
B680153		4.75	<0.5	8.89	17	100	<0.5	<2	6.15	<0.5	42	306	61	7.91	0.33	3.58
B680154		4.78	<0.5	10.20	5	110	<0.5	<2	6.53	<0.5	33	111	51	7.27	0.35	2.55
B680155		5.88	<0.5	10.25	6	100	<0.5	2	6.55	<0.5	35	67	40	8.20	0.38	2.64
B680156		3.98	<0.5	9.26	10	70	<0.5	<2	7.38	<0.5	41	76	78	8.53	0.26	2.78
B680157		5.03	<0.5	9.15	8	60	<0.5	2	7.21	<0.5	42	54	75	8.32	0.25	2.80
B680158		3.68	<0.5	9.39	10	70	<0.5	<2	7.18	<0.5	40	81	66	8.00	0.26	2.96
B680159		3.77	<0.5	9.23	7	90	<0.5	<2	7.12	<0.5	42	52	74	8.74	0.34	2.98
B680160		3.95	<0.5	9.08	18	90	<0.5	<2	6.91	<0.5	39	75	70	8.16	0.32	2.72
B680161		4.38	<0.5	9.98	12	70	<0.5	2	7.71	<0.5	40	40	65	8.98	0.26	3.09
B680162		4.27	<0.5	8.61	14	90	<0.5	<2	6.26	<0.5	37	68	59	7.88	0.34	2.71
B680163		5.21	<0.5	8.63	<5	60	<0.5	<2	6.95	<0.5	48	36	111	9.09	0.27	3.04
B680164		5.15	<0.5	8.38	7	70	<0.5	<2	7.21	<0.5	49	72	148	9.48	0.28	3.40
B680165		4.13	<0.5	9.03	8	70	<0.5	2	6.87	<0.5	40	29	105	8.20	0.27	2.68
B680166		4.38	<0.5	9.07	8	80	<0.5	<2	7.30	<0.5	44	48	89	8.96	0.29	2.88
B680167		4.08	<0.5	9.08	10	90	<0.5	2	7.38	<0.5	49	31	102	9.72	0.32	3.04
B680168		3.69	<0.5	9.34	9	80	<0.5	<2	7.24	<0.5	45	56	69	8.79	0.27	2.92
B680169		4.44	<0.5	9.21	9	90	<0.5	<2	6.98	<0.5	44	25	83	9.25	0.30	2.86
B680170		5.19	<0.5	10.35	12	80	<0.5	<2	7.26	<0.5	41	53	49	8.99	0.27	2.77
B680171		2.96	<0.5	8.86	<5	90	<0.5	<2	6.97	<0.5	46	26	134	9.02	0.31	2.87
B680172		4.59	<0.5	8.62	11	100	<0.5	<2	5.58	<0.5	43	46	102	9.07	0.45	2.86
B680173		6.42	<0.5	8.61	8	70	<0.5	2	6.67	<0.5	48	26	87	9.91	0.30	2.89
B680174		6.54	<0.5	8.12	<5	70	<0.5	<2	6.86	<0.5	53	67	172	10.90	0.32	3.19
B680175		4.83	<0.5	8.33	15	60	<0.5	<2	5.85	<0.5	42	21	66	9.13	0.27	2.50
B680176		3.27	<0.5	8.54	5	60	<0.5	2	6.89	<0.5	46	51	77	9.83	0.29	2.86
B680177		4.97	<0.5	8.10	<5	70	<0.5	<2	5.70	<0.5	45	21	99	10.00	0.32	2.48
B680178		4.70	<0.5	8.72	11	80	<0.5	<2	6.92	<0.5	48	62	93	10.30	0.29	3.32
B680179		3.80	<0.5	8.44	11	110	<0.5	<2	6.84	<0.5	52	24	132	10.60	0.42	3.22
B680180		4.26	<0.5	9.64	8	140	<0.5	<2	6.63	<0.5	41	134	326	8.00	0.39	1.95
B680181		2.63	<0.5	9.71	6	180	<0.5	<2	6.89	<0.5	32	27	38	7.92	0.40	2.51
B680182		0.80	<0.5	7.17	13	260	0.9	<2	7.02	<0.5	46	721	42	6.48	0.73	7.27
B680183		3.92	<0.5	5.49	<5	90	0.8	<2	7.99	<0.5	61	1135	38	6.23	0.31	11.40
B680184		3.87	<0.5	6.84	<5	150	1.0	<2	8.46	<0.5	57	999	44	7.24	0.61	10.50
B680185		0.74	<0.5	7.30	<5	170	1.1	<2	6.96	<0.5	46	636	12	6.28	0.63	7.52
B680186		2.09	<0.5	10.65	<5	220	<0.5	<2	7.11	<0.5	31	55	211	6.69	0.59	2.03
B680187		1.93	<0.5	11.75	<5	190	<0.5	<2	7.29	<0.5	21	23	64	5.47	0.47	1.56
B680188		6.15	<0.5	8.74	<5	70	<0.5	<2	7.67	<0.5	51	53	115	11.60	0.30	3.13
B680189		6.56	<0.5	8.78	<5	70	<0.5	<2	7.61	<0.5	54	25	118	11.50	0.31	3.12
B680190		4.03	<0.5	8.75	20	70	<0.5	<2	7.40	<0.5	49	47	120	10.95	0.33	3.03
B680191		5.75	<0.5	9.10	<5	80	<0.5	<2	7.80	<0.5	54	21	126	11.05	0.33	3.03



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Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
B680152		1690	1	1.56	180	140	4	0.05	<5	129	0.39	203	<10	96	0.003	0.0051
B680153		1290	1	1.97	129	210	3	0.07	<5	172	0.39	188	<10	79	0.001	0.0041
B680154		1115	1	2.27	55	220	3	0.03	5	195	0.33	160	<10	87	0.001	0.0089
B680155		1255	2	2.34	45	200	2	0.02	<5	217	0.36	196	<10	98	0.001	0.0084
B680156		1340	1	1.61	42	230	5	0.07	<5	132	0.39	215	<10	75	0.002	0.0053
B680157		1380	1	1.67	47	250	3	0.06	<5	143	0.43	230	<10	73	0.002	0.0026
B680158		1290	2	1.88	48	270	<2	0.07	<5	165	0.39	218	<10	69	0.002	0.0020
B680159		1440	1	1.77	52	230	<2	0.06	<5	142	0.41	220	<10	84	0.002	0.0051
B680160		1345	2	1.73	47	230	4	0.05	5	142	0.41	221	10	82	0.001	0.0048
B680161		1420	1	1.93	51	260	4	0.05	5	152	0.42	241	<10	71	0.001	0.0042
B680162		1270	1	1.88	46	250	6	0.03	8	158	0.40	239	10	65	0.001	0.0045
B680163		1515	1	1.70	60	230	2	0.05	<5	135	0.53	366	<10	79	0.002	0.0056
B680164		1600	2	1.53	64	230	<2	0.05	9	117	0.49	357	<10	88	0.003	0.0081
B680165		1280	<1	1.83	56	260	2	0.03	<5	146	0.48	351	<10	73	0.002	0.0017
B680166		1385	1	1.81	59	220	3	0.06	7	143	0.60	483	<10	74	0.001	0.0006
B680167		1555	1	1.76	61	240	<2	0.07	5	136	0.77	599	<10	81	0.002	0.0013
B680168		1425	<1	2.00	59	210	5	0.05	<5	176	0.62	492	<10	75	0.001	0.0037
B680169		1460	2	2.02	51	220	4	0.07	11	170	0.65	520	<10	77	0.001	0.0046
B680170		1450	1	2.36	53	250	<2	0.03	<5	207	0.69	466	<10	73	0.001	0.0026
B680171		1395	<1	1.91	52	310	<2	0.09	<5	209	0.55	401	10	76	0.001	0.0032
B680172		1290	2	2.33	47	380	5	0.06	5	192	0.56	375	<10	66	0.001	0.0036
B680173		1580	1	1.92	45	220	<2	0.09	7	153	0.67	428	<10	81	0.002	0.0022
B680174		1700	1	1.58	44	240	4	0.12	<5	120	0.70	429	<10	97	0.003	0.0038
B680175		1440	1	2.41	41	480	2	0.06	5	170	0.88	342	<10	69	0.002	0.0020
B680176		1480	2	1.68	47	280	<2	0.07	5	152	0.69	399	<10	74	0.001	0.0024
B680177		1570	2	2.34	26	840	4	0.12	<5	145	1.01	338	10	78	0.001	<0.0005
B680178		1715	2	2.23	81	100	8	0.09	5	177	1.06	306	<10	84	0.002	0.0017
B680179		1620	1	1.74	65	200	4	0.11	<5	164	0.96	626	<10	85	0.002	0.0021
B680180		1240	1	2.39	154	120	3	0.16	<5	353	1.43	212	<10	55	0.004	0.0103
B680181		1145	1	2.37	59	80	<2	0.02	<5	453	0.68	244	10	61	0.001	0.0021
B680182		1170	1	1.36	288	1400	2	0.01	<5	415	0.37	151	<10	90	0.002	0.0065
B680183		1295	2	0.53	579	920	2	0.01	<5	190	0.27	120	<10	111	0.001	0.0063
B680184		1450	3	0.99	493	1280	5	0.01	<5	283	0.34	145	10	117	0.001	0.0071
B680185		1270	1	1.68	335	1220	6	<0.01	<5	333	0.33	142	<10	102	0.001	0.0048
B680186		911	3	2.66	61	30	3	0.08	5	553	0.56	240	<10	54	0.003	0.0087
B680187		736	4	2.89	53	<10	8	0.02	<5	400	0.41	138	<10	43	0.002	0.0118
B680188		1840	4	1.62	48	220	11	0.05	<5	124	0.94	541	<10	112	0.003	0.0023
B680189		1845	3	1.60	57	210	8	0.09	<5	131	1.05	642	10	107	0.001	0.0023
B680190		1730	2	1.62	46	210	7	0.06	<5	134	0.90	533	<10	99	0.002	0.0027
B680191		1715	2	1.64	52	180	6	0.09	<5	155	1.00	623	<10	93	0.002	0.0023



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CERTIFICATE OF ANALYSIS TB06062453

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
B680152		0.011
B680153		0.003
B680154		0.005
B680155		0.009
B680156		0.003
B680157		0.003
B680158		0.002
B680159		0.006
B680160		0.005
B680161		0.004
B680162		0.003
B680163		0.004
B680164		0.005
B680165		0.001
B680166		0.002
B680167		0.001
B680168		0.006
B680169		0.003
B680170		0.002
B680171		0.002
B680172		0.002
B680173		0.002
B680174		0.003
B680175		0.002
B680176		0.002
B680177		0.001
B680178		0.001
B680179		0.003
B680180		0.012
B680181		0.001
B680182		0.007
B680183		0.007
B680184		0.007
B680185		0.005
B680186		0.011
B680187		0.005
B680188		0.002
B680189		0.002
B680190		0.003
B680191		0.002



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CERTIFICATE OF ANALYSIS TB06062453

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg
Units		kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%
LOR		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01	0.01
B680192		5.75	<0.5	8.15	<5	80	<0.5	<2	7.35	<0.5	48	53	89	10.45	0.29	3.05
B680193		1.35	<0.5	9.79	<5	320	<0.5	<2	6.97	<0.5	32	44	66	7.59	0.55	2.50
B680194		2.31	<0.5	7.58	<5	310	1.0	<2	7.48	<0.5	49	769	17	7.29	1.04	7.52
B680195		2.29	<0.5	6.79	<5	280	0.9	<2	7.91	<0.5	50	901	42	6.21	0.99	9.09
B680196		2.19	<0.5	6.34	<5	260	0.9	<2	7.83	<0.5	54	925	32	6.27	1.06	9.85
B680197		4.99	<0.5	7.31	<5	280	1.2	<2	7.32	<0.5	53	829	79	6.44	1.02	7.55
B680198		0.95	<0.5	7.26	5	310	0.9	<2	6.63	<0.5	51	664	48	8.23	1.07	7.05
B680199		2.93	<0.5	10.05	<5	170	0.5	<2	6.33	<0.5	35	27	148	7.22	0.43	2.10
B680200		3.00	<0.5	10.50	<5	160	<0.5	<2	7.89	<0.5	35	351	404	6.72	0.45	3.03
B680201		0.96	<0.5	6.15	<5	40	<0.5	<2	8.46	<0.5	49	604	616	9.17	0.17	5.34
B680202		3.02	<0.5	10.90	14	130	<0.5	<2	7.38	<0.5	28	203	74	6.03	0.38	2.24
B680203		3.72	<0.5	8.62	<5	60	<0.5	<2	7.25	<0.5	44	146	45	8.00	0.26	3.86
B680204		6.11	<0.5	8.29	<5	60	<0.5	<2	7.55	<0.5	46	120	71	8.15	0.23	4.01
B680205		3.79	<0.5	8.53	<5	50	<0.5	<2	7.74	<0.5	44	130	83	7.90	0.20	4.05
B680206		4.57	0.5	8.55	<5	50	<0.5	<2	8.00	<0.5	45	79	102	8.34	0.21	4.03
B680207		3.30	<0.5	9.43	<5	60	<0.5	<2	7.78	<0.5	43	146	128	8.14	0.24	3.51
B680208		2.53	<0.5	9.13	<5	50	<0.5	<2	7.89	<0.5	48	369	218	9.14	0.21	3.40
B680209		2.73	<0.5	8.28	<5	50	<0.5	<2	7.42	<0.5	43	308	82	8.75	0.21	3.38
B680210		4.83	<0.5	8.82	<5	50	<0.5	<2	7.70	<0.5	46	121	75	9.14	0.20	3.47
B680211		7.11	<0.5	9.84	<5	70	<0.5	<2	7.45	<0.5	64	93	517	8.10	0.24	2.75
B680212		4.90	<0.5	9.75	<5	50	<0.5	<2	7.79	<0.5	101	70	1580	9.03	0.21	3.31
B680213		5.67	<0.5	10.20	<5	70	<0.5	<2	7.33	<0.5	80	75	1640	8.79	0.26	2.16
B680214		3.41	<0.5	9.79	<5	60	<0.5	<2	8.45	<0.5	97	115	1190	8.39	0.24	2.94
B680215		5.27	<0.5	8.29	<5	40	<0.5	<2	8.79	<0.5	85	199	1055	9.01	0.22	4.27
B680216		5.14	<0.5	8.33	<5	60	<0.5	<2	8.32	<0.5	71	184	606	9.69	0.29	5.13
B680217		4.08	<0.5	8.52	<5	50	<0.5	<2	8.89	<0.5	58	227	1180	8.78	0.29	4.88
B680218		3.53	<0.5	8.94	<5	40	<0.5	<2	9.84	<0.5	66	223	223	9.24	0.23	5.25
B680219		4.93	<0.5	8.38	<5	40	<0.5	<2	8.95	<0.5	57	191	405	8.50	0.30	4.86
B680220		2.25	<0.5	8.59	<5	80	<0.5	<2	8.68	<0.5	60	176	113	8.79	0.52	4.97
B680221		1.25	<0.5	7.98	<5	160	1.3	<2	4.74	<0.5	13	56	45	7.30	0.69	1.02
B680222		4.44	<0.5	7.83	<5	230	1.2	<2	3.91	<0.5	6	43	54	6.63	1.23	0.63
B680223		4.04	<0.5	7.79	<5	360	1.3	<2	2.76	<0.5	7	4	58	6.37	1.49	0.56
B680224		3.99	<0.5	8.13	<5	330	1.4	<2	3.37	<0.5	7	4	178	6.46	0.94	0.58
B680225		5.02	<0.5	7.97	<5	290	1.3	<2	3.39	<0.5	18	82	390	6.46	0.66	0.52
B680226		4.08	<0.5	7.59	<5	300	1.2	<2	3.12	<0.5	9	3	208	6.17	0.89	0.49
B680227		4.69	<0.5	7.77	<5	380	1.1	<2	3.15	<0.5	8	63	119	6.48	1.14	0.56
B680228		4.83	<0.5	10.15	<5	70	<0.5	<2	7.94	<0.5	38	104	310	6.58	0.26	2.89
B680229		5.06	<0.5	10.40	<5	80	<0.5	<2	7.65	<0.5	66	93	1285	7.37	0.35	2.63
B680230		4.47	<0.5	9.56	<5	70	<0.5	<2	7.58	<0.5	75	67	1900	8.83	0.33	3.08
B680231		3.83	<0.5	10.15	<5	100	<0.5	<2	7.43	<0.5	114	96	1210	9.07	0.55	2.45



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Project: North Rock

CERTIFICATE OF ANALYSIS TB06062453

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24	
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
B680192		1620	7	1.63	59	220	5	0.07	8	198	0.89	528	<10	83	0.001	0.0023
B680193		1220	2	2.34	59	30	7	0.03	8	591	0.87	203	10	53	0.001	0.0077
B680194		1285	2	1.40	318	1380	6	0.01	7	413	0.39	152	<10	91	0.001	0.0055
B680195		1220	2	1.04	425	1300	<2	0.01	<5	366	0.34	140	<10	92	0.001	0.0058
B680196		1300	2	0.85	479	1180	4	0.01	<5	231	0.33	138	<10	107	0.001	0.0068
B680197		1210	2	1.44	346	1480	2	0.03	<5	432	0.40	160	10	105	0.002	0.0070
B680198		1340	4	1.55	323	1160	7	0.04	7	238	0.50	161	10	106	0.001	0.0036
B680199		994	3	2.59	72	60	<2	0.09	<5	301	0.67	150	<10	55	0.001	0.0051
B680200		961	3	1.97	102	90	<2	0.08	<5	225	0.37	166	<10	69	0.007	0.0420
B680201		1435	4	1.06	134	60	4	0.09	<5	108	0.40	277	<10	98	0.010	0.0028
B680202		913	2	2.29	72	60	4	0.03	<5	232	0.28	122	<10	70	0.002	0.0146
B680203		1300	2	1.86	98	40	5	0.02	5	142	0.30	140	10	61	0.001	0.0078
B680204		1445	2	1.67	80	160	<2	0.04	<5	134	0.45	217	<10	74	0.001	0.0022
B680205		1455	1	1.58	82	170	2	0.06	<5	120	0.33	188	<10	73	0.003	0.0188
B680206		1545	3	1.68	77	200	7	0.04	6	124	0.37	213	<10	79	0.004	0.0072
B680207		1370	1	1.97	96	190	8	0.10	<5	158	0.36	208	10	66	0.005	0.0130
B680208		1435	2	1.83	102	170	6	0.08	5	144	0.43	246	<10	77	0.006	0.0052
B680209		1375	4	1.75	85	120	9	0.03	8	140	0.57	302	10	68	0.002	0.0010
B680210		1400	2	1.82	91	180	12	0.04	<5	142	0.48	241	10	71	0.002	0.0019
B680211		1100	4	2.20	457	120	2	0.56	<5	194	0.38	182	<10	68	0.007	0.0387
B680212		1110	2	1.68	981	120	4	1.23	<5	138	0.26	184	10	68	0.010	0.0427
B680213		861	2	1.85	835	170	2	1.00	<5	178	0.26	178	<10	60	0.017	0.0833
B680214		1060	2	1.55	1050	160	6	1.19	<5	175	0.28	207	<10	73	0.011	0.0379
B680215		1425	2	1.43	613	170	4	0.64	<5	162	0.34	258	<10	84	0.018	0.0790
B680216		1680	3	1.37	398	80	5	0.26	<5	194	0.43	248	<10	91	0.008	0.0745
B680217		1595	3	1.34	301	80	7	0.18	<5	169	0.48	267	<10	96	0.020	0.0377
B680218		1655	4	1.36	247	60	4	0.09	7	176	0.49	285	<10	114	0.004	0.0166
B680219		1555	2	1.19	245	90	8	0.14	6	164	0.48	276	10	131	0.005	0.0158
B680220		1670	10	1.18	211	60	7	0.03	6	158	0.49	294	20	120	0.005	0.0050
B680221		1690	3	2.01	12	960	5	0.02	6	117	0.63	55	<10	58	0.001	0.0010
B680222		1235	3	1.85	3	1180	5	0.02	<5	87	0.52	7	<10	36	0.001	<0.0005
B680223		1420	3	2.16	1	1020	2	0.06	<5	100	0.45	5	<10	31	0.002	<0.0005
B680224		1005	7	2.55	1	1040	<2	0.22	6	117	0.45	5	<10	36	0.002	<0.0005
B680225		1170	3	2.59	14	910	4	1.11	<5	118	0.40	6	30	27	0.001	<0.0005
B680226		1185	3	2.38	1	870	7	0.28	<5	106	0.41	4	<10	27	0.002	<0.0005
B680227		1355	3	2.30	6	930	4	0.15	<5	103	0.44	4	<10	32	0.001	<0.0005
B680228		1055	2	1.84	126	110	6	0.09	<5	156	0.30	172	10	57	0.015	0.0292
B680229		1025	2	2.04	521	110	3	0.60	<5	182	0.37	204	<10	66	0.032	0.1720
B680230		1215	3	1.72	715	100	8	0.80	<5	156	0.33	186	10	80	0.024	0.0654
B680231		1075	3	1.89	1145	140	11	1.47	<5	178	0.31	188	<10	67	0.007	0.0509



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Project: North Rock

CERTIFICATE OF ANALYSIS TB06062453

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
B680192		0.002
B680193		0.003
B680194		0.005
B680195		0.007
B680196		0.007
B680197		0.008
B680198		0.004
B680199		0.004
B680200		0.048
B680201		0.005
B680202		0.060
B680203		0.004
B680204		0.002
B680205		0.016
B680206		0.004
B680207		0.045
B680208		0.024
B680209		0.004
B680210		0.006
B680211		0.108
B680212		0.102
B680213		0.214
B680214		0.121
B680215		0.148
B680216		0.154
B680217		0.069
B680218		0.028
B680219		0.026
B680220		0.019
B680221		0.001
B680222		<0.001
B680223		<0.001
B680224		<0.001
B680225		0.001
B680226		<0.001
B680227		<0.001
B680228		0.057
B680229		0.315
B680230		0.163
B680231		0.148



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CERTIFICATE OF ANALYSIS TB06062453

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01	0.01
B680232		4.89	<0.5	8.28	<5	200	0.9	<2	4.18	<0.5	29	75	538	9.76	0.67	1.45
B680233		2.34	<0.5	7.96	<5	260	1.3	<2	3.67	<0.5	20	83	180	6.54	0.82	0.70
B680234		2.71	<0.5	10.45	<5	250	0.5	<2	5.72	<0.5	35	94	537	6.68	0.68	2.02
B680235		1.23	<0.5	6.79	<5	230	<0.5	5	5.63	<0.5	51	176	308	11.60	0.68	3.84
B680236		1.41	<0.5	11.25	<5	250	<0.5	<2	5.88	<0.5	23	81	451	5.70	0.81	1.24
B680237		5.32	<0.5	8.57	<5	50	<0.5	<2	7.83	<0.5	42	148	53	7.80	0.21	4.21
B680238		5.80	<0.5	8.90	<5	50	<0.5	<2	7.93	<0.5	44	101	65	8.43	0.23	3.98
B680239		5.49	0.8	9.26	<5	80	<0.5	<2	7.68	<0.5	79	176	5530	8.46	0.33	3.83
B680240		5.77	0.5	9.67	<5	60	<0.5	<2	8.08	<0.5	69	97	3330	8.06	0.26	3.98
B680241		5.36	<0.5	10.30	<5	70	<0.5	<2	8.10	<0.5	38	92	323	6.78	0.26	3.36
B680242		0.65	<0.5	2.73	<5	370	<0.5	<2	7.44	<0.5	67	1140	22	12.75	1.20	9.18
B680243		0.71	<0.5	3.69	<5	330	<0.5	<2	6.32	<0.5	65	1170	6	11.75	1.36	9.48
B680244		0.53	<0.5	3.08	<5	180	<0.5	<2	6.55	<0.5	68	1250	5	11.55	0.76	9.64



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CERTIFICATE OF ANALYSIS TB06062453

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.001	0.0005
B680232		1075	3	2.27	156	870	8	0.34	<5	126	0.52	100	10	46	0.006	0.0262
B680233		1710	8	2.29	49	1060	5	0.24	<5	120	0.49	17	10	35	0.002	0.0018
B680234		842	2	3.11	93	20	5	0.13	<5	384	0.35	95	<10	60	0.008	0.0102
B680235		1970	2	1.70	144	<10	3	0.07	<5	138	1.56	226	<10	90	0.008	0.0023
B680236		1015	2	3.02	55	10	6	0.07	6	407	1.33	100	<10	48	0.005	0.0044
B680237		1505	2	1.47	81	160	8	0.03	<5	114	0.35	195	10	77	0.001	0.0047
B680238		1465	2	1.65	72	150	5	0.04	<5	130	0.40	209	<10	65	0.001	0.0174
B680239		1365	2	1.63	793	140	2	1.09	<5	128	0.26	169	<10	115	0.118	0.1525
B680240		1390	2	1.74	564	100	<2	0.73	5	139	0.26	182	10	98	0.059	0.224
B680241		1300	3	1.92	114	160	5	0.09	<5	151	0.27	164	<10	72	0.006	0.0207
B680242		2390	21	0.20	243	130	7	0.01	11	4	0.42	283	<10	141	0.001	0.0051
B680243		2130	3	0.21	234	220	6	<0.01	<5	4	0.50	214	10	120	<0.001	0.0007
B680244		2210	2	0.18	244	190	<2	<0.01	<5	5	0.43	262	10	118	<0.001	0.0097



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Project: North Rock

CERTIFICATE OF ANALYSIS TB06062453

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
B680232		0.071
B680233		0.005
B680234		0.003
B680235		0.002
B680236		0.002
B680237		0.006
B680238		0.018
B680239		0.581
B680240		0.497
B680241		0.037
B680242		0.006
B680243		0.001
B680244		0.005



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Finalized Date: 14-AUG-2006
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CERTIFICATE TB06062946

Project: North Rock

P.O. No.:

This report is for 98 Channel samples submitted to our lab in Thunder Bay, ON, Canada on 10-JUL-2006.

The following have access to data associated with this certificate:

MITCH DUMOULIN

AUBREY J. EVELEIGH

A.D. MACTAVISH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	27 element four acid ICP-AES	ICP-AES
PGM-MS24	Pt, Pd and Au 50g FA ICP-MS	ICP-MS

To: METAL CORP LTD
ATTN: AUBREY J. EVELEIGH
309 S COURT ST
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: _____

Keith Rogers, Executive Manager Vancouver Laboratory



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CERTIFICATE OF ANALYSIS TB06062946

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	0.01	0.01	0.01	
B680245		3.15	<0.5	9.49	<5	90	<0.5	<2	6.56	<0.5	36	52	7.38	0.32	2.21	
B680246		3.95	<0.5	10.00	7	90	<0.5	<2	7.10	<0.5	36	58	7.32	0.36	2.29	
B680247		1.48	<0.5	9.81	<5	80	<0.5	<2	7.44	<0.5	38	56	7.26	0.29	2.54	
B680248		3.03	<0.5	9.51	<5	60	<0.5	<2	7.50	<0.5	40	52	8.14	0.27	2.45	
B680249		5.53	<0.5	9.70	<5	60	<0.5	<2	7.51	<0.5	41	49	8.73	0.29	2.64	
B680250		4.85	<0.5	9.30	<5	60	<0.5	<2	7.21	<0.5	41	49	9.03	0.27	2.66	
B680251		6.07	<0.5	9.57	<5	70	<0.5	<2	7.08	<0.5	42	46	9.12	0.29	2.86	
B680252		4.75	<0.5	9.29	<5	60	<0.5	<2	7.28	<0.5	39	49	8.39	0.25	2.76	
B680253		1.49	<0.5	8.84	<5	60	<0.5	<2	6.86	<0.5	38	40	8.80	0.26	2.74	
B680254		6.41	<0.5	8.81	<5	70	<0.5	<2	7.06	<0.5	42	34	8.51	0.29	2.71	
B680255		5.55	<0.5	8.91	<5	60	<0.5	<2	7.38	<0.5	42	32	9.46	0.27	2.93	
B680256		6.59	<0.5	9.15	<5	60	<0.5	<2	7.33	<0.5	44	29	207	9.25	0.31	2.90
B680257		3.84	<0.5	8.74	<5	70	<0.5	<2	7.19	<0.5	43	34	84	9.07	0.32	2.96
B680258		3.81	<0.5	9.08	<5	70	<0.5	<2	7.42	<0.5	46	30	97	9.19	0.30	2.94
B680259		1.36	<0.5	8.73	<5	270	1.0	<2	4.94	<0.5	23	73	120	4.87	0.64	2.21
B680260		5.26	<0.5	9.77	<5	90	<0.5	<2	7.39	<0.5	39	20	72	7.93	0.39	2.86
B680261		3.29	<0.5	5.43	<5	30	<0.5	<2	4.77	<0.5	17	30	37	4.53	0.11	0.82
B680262		4.30	<0.5	7.09	<5	40	<0.5	<2	6.61	<0.5	36	20	50	8.68	0.17	2.21
B680263		6.49	<0.5	7.71	<5	60	<0.5	<2	7.18	<0.5	58	39	146	11.20	0.30	3.63
B680264		3.98	<0.5	7.33	<5	50	<0.5	<2	6.93	<0.5	54	34	92	10.80	0.26	3.47
B680265		2.90	<0.5	8.35	<5	70	<0.5	<2	6.61	<0.5	45	19	88	10.20	0.31	2.67
B680266		4.10	<0.5	8.60	<5	60	<0.5	<2	7.54	<0.5	49	30	79	9.80	0.29	3.28
B680267		4.42	<0.5	8.12	<5	140	<0.5	<2	5.64	<0.5	45	62	539	10.55	0.54	2.86
B680268		4.39	<0.5	8.00	<5	80	<0.5	<2	7.44	<0.5	60	31	333	12.00	0.35	3.38
B680269		4.42	<0.5	8.76	<5	70	<0.5	<2	7.43	<0.5	55	24	609	10.25	0.34	3.03
B680270		4.18	<0.5	8.27	<5	70	<0.5	<2	6.34	<0.5	48	24	139	10.85	0.34	2.83
B680271		5.13	<0.5	8.12	<5	150	<0.5	<2	6.17	<0.5	53	47	116	10.85	0.58	3.20
B680272		7.37	<0.5	8.63	<5	70	<0.5	<2	7.68	<0.5	52	42	178	10.10	0.31	3.27
B680273		6.47	<0.5	8.72	<5	70	<0.5	<2	6.89	<0.5	46	24	122	10.25	0.32	2.84
B680274		3.48	<0.5	9.02	<5	90	<0.5	<2	6.75	<0.5	45	22	150	10.25	0.37	2.76
B680275		5.10	<0.5	8.02	<5	70	<0.5	<2	6.74	<0.5	49	28	68	10.70	0.33	2.95
B680276		4.74	<0.5	7.77	<5	120	<0.5	<2	6.29	<0.5	45	28	53	10.20	0.46	2.83
B680277		2.16	<0.5	9.14	<5	140	<0.5	<2	6.47	<0.5	38	23	65	8.64	0.41	2.53
B680278		1.28	<0.5	6.19	<5	110	1.0	<2	6.86	<0.5	50	640	10	6.29	0.42	8.52
B680279		1.99	<0.5	9.65	<5	210	<0.5	<2	7.30	<0.5	31	22	91	7.41	0.50	1.77
B680280		0.87	<0.5	7.97	<5	310	1.1	<2	7.09	<0.5	34	520	45	5.83	0.54	5.38
B680281		6.69	<0.5	5.62	<5	140	0.9	<2	7.68	<0.5	54	877	43	5.72	0.61	10.15
B680282		3.52	<0.5	7.08	<5	220	1.0	<2	7.18	<0.5	49	632	32	6.36	0.81	7.86
B680283		4.99	<0.5	9.46	<5	120	<0.5	<2	6.13	<0.5	27	30	65	6.02	0.39	1.72
B680284		7.06	<0.5	8.67	7	80	<0.5	<2	7.87	<0.5	46	145	69	8.30	0.34	4.36



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Account: METCOR

Project: North Rock

CERTIFICATE OF ANALYSIS TB06062946

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
B680245		1085	1	2.19	43	310	4	0.04	<5	166	0.58	279	<10	57	0.002	0.0021
B680246		1095	<1	2.12	40	230	5	0.05	5	162	0.48	224	<10	54	0.001	0.0032
B680247		1160	<1	2.14	43	200	6	0.05	<5	165	0.50	226	<10	59	0.001	0.0068
B680248		1285	2	1.74	39	250	7	0.05	<5	140	0.41	209	<10	69	0.001	0.0106
B680249		1370	<1	1.84	48	270	9	0.03	<5	157	0.45	235	<10	79	0.001	0.0074
B680250		1440	<1	1.82	45	280	5	0.06	<5	157	0.50	262	<10	84	0.001	0.0034
B680251		1495	<1	1.95	47	290	5	0.07	<5	167	0.52	265	<10	79	0.001	0.0035
B680252		1385	<1	1.90	45	280	4	0.05	<5	155	0.50	258	<10	74	0.001	0.0034
B680253		1355	<1	2.00	42	270	6	0.04	<5	158	0.51	268	<10	81	0.001	0.0028
B680254		1375	<1	1.87	52	240	4	0.06	<5	155	0.57	377	<10	79	0.002	0.0022
B680255		1550	<1	1.76	49	260	6	0.05	<5	136	0.65	433	<10	85	0.001	0.0033
B680256		1505	<1	1.97	51	220	4	0.06	<5	152	0.63	407	<10	88	0.003	0.0061
B680257		1485	<1	1.77	50	240	4	0.04	<5	131	0.60	443	<10	88	0.001	0.0104
B680258		1430	<1	1.91	55	240	6	0.06	<5	151	0.60	426	<10	86	0.002	0.0132
B680259		671	<1	3.22	54	1160	5	0.02	<5	841	0.44	112	<10	64	0.001	0.0014
B680260		1290	<1	2.20	49	160	5	0.05	<5	168	0.60	407	<10	74	0.002	0.0051
B680261		631	<1	0.97	33	160	7	0.02	<5	199	0.20	197	<10	31	0.002	0.0017
B680262		1275	<1	1.82	61	210	3	0.02	<5	184	0.53	306	<10	69	0.001	<0.0005
B680263		1875	<1	1.59	59	220	5	0.10	<5	105	0.73	520	<10	115	0.002	0.0020
B680264		1750	<1	1.51	57	220	5	0.09	<5	102	0.65	448	<10	102	0.001	0.0025
B680265		1585	<1	1.97	46	380	5	0.09	<5	136	0.86	484	<10	88	0.001	0.0016
B680266		1490	<1	1.77	45	170	4	0.05	<5	143	0.55	370	<10	93	0.001	0.0024
B680267		1470	<1	1.86	89	110	6	0.13	<5	151	0.95	406	<10	83	0.018	0.0022
B680268		1625	<1	1.45	77	170	4	0.19	<5	119	1.09	797	<10	100	0.005	0.0018
B680269		1445	<1	1.71	63	170	4	0.19	<5	149	0.86	698	<10	93	0.008	0.0022
B680270		1480	<1	2.08	61	290	8	0.08	<5	212	0.88	613	<10	88	0.001	0.0027
B680271		1525	1	2.04	93	180	4	0.06	<5	222	0.74	437	<10	85	0.002	0.0034
B680272		1545	<1	1.70	68	150	7	0.12	<5	146	0.81	587	<10	93	0.002	0.0020
B680273		1535	<1	2.00	57	230	3	0.07	<5	214	0.77	571	<10	86	0.001	0.0026
B680274		1500	<1	2.21	60	340	2	0.06	<5	234	0.75	500	<10	76	0.002	0.0023
B680275		1620	<1	1.94	58	420	2	0.04	<5	188	0.82	512	<10	85	0.001	0.0022
B680276		1460	<1	1.87	49	210	5	0.04	<5	233	0.81	470	10	74	0.001	0.0028
B680277		1210	<1	2.60	56	210	9	0.04	<5	502	0.66	382	<10	60	0.001	0.0035
B680278		1390	<1	1.25	433	1150	4	<0.01	<5	221	0.30	134	<10	119	<0.001	0.0047
B680279		882	<1	2.43	45	410	6	0.12	<5	1275	0.54	300	<10	38	0.004	0.0049
B680280		971	<1	2.08	175	1530	7	0.01	<5	716	0.36	160	<10	81	0.001	0.0056
B680281		1165	<1	0.75	504	1100	3	0.01	<5	208	0.27	124	<10	100	0.001	0.0066
B680282		1215	<1	1.63	343	1300	5	0.01	<5	488	0.36	157	<10	90	0.001	0.0058
B680283		891	<1	2.61	46	120	5	0.04	<5	455	0.50	274	<10	50	0.001	0.0081
B680284		1475	1	1.58	86	220	4	0.05	<5	130	0.36	207	<10	93	0.001	0.0096



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Project: North Rock

CERTIFICATE OF ANALYSIS TB06062946

Sample Description	Method Analyte Units LOR	PGM-MS24
		Pd ppm 0.001
B680245		0.004
B680246		0.002
B680247		0.003
B680248		0.004
B680249		0.004
B680250		0.002
B680251		0.003
B680252		0.004
B680253		0.003
B680254		0.003
B680255		0.003
B680256		0.021
B680257		0.020
B680258		0.006
B680259		0.001
B680260		0.003
B680261		0.001
B680262		<0.001
B680263		0.002
B680264		0.002
B680265		0.002
B680266		0.001
B680267		0.005
B680268		0.003
B680269		0.003
B680270		0.004
B680271		0.003
B680272		0.003
B680273		0.003
B680274		0.003
B680275		0.004
B680276		0.004
B680277		0.006
B680278		0.004
B680279		0.009
B680280		0.006
B680281		0.008
B680282		0.006
B680283		0.021
B680284		0.008



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CERTIFICATE OF ANALYSIS TB06062946

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg
Units		kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%
LOR		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01	0.01
B680285		6.68	<0.5	8.40	<5	50	<0.5	<2	7.60	<0.5	44	95	54	7.86	0.21	4.21
B680286		6.53	<0.5	8.10	<5	50	<0.5	<2	7.20	<0.5	46	76	135	7.92	0.21	3.91
B680287		5.36	<0.5	8.55	<5	50	<0.5	<2	7.63	<0.5	43	57	60	8.06	0.18	3.99
B680288		3.34	<0.5	9.62	<5	50	<0.5	<2	7.36	<0.5	35	80	100	6.72	0.17	2.89
B680289		4.45	<0.5	10.35	<5	60	<0.5	<2	7.80	<0.5	40	282	364	6.80	0.22	2.88
B680290		5.58	<0.5	9.98	<5	50	<0.5	<2	7.45	<0.5	29	131	835	5.60	0.14	2.07
B680291		5.93	1.1	10.65	<5	50	<0.5	<2	7.89	0.5	66	134	3070	7.48	0.17	2.82
B680292		4.01	0.8	9.80	<5	40	<0.5	<2	7.37	<0.5	109	106	3260	8.87	0.15	2.76
B680293		3.86	0.6	10.30	5	70	<0.5	<2	7.37	<0.5	101	82	2190	7.84	0.22	2.47
B680294		3.89	<0.5	8.06	<5	30	<0.5	<2	7.75	<0.5	50	140	323	8.17	0.15	4.18
B680295		4.64	<0.5	8.66	<5	40	<0.5	<2	8.47	<0.5	82	163	1150	9.04	0.19	4.99
B680296		3.86	<0.5	8.46	8	100	<0.5	<2	6.95	<0.5	44	37	67	10.10	0.40	2.94
B680297		2.25	<0.5	6.60	<5	100	0.9	<2	6.81	<0.5	50	651	18	6.96	0.37	8.37
B680298		1.44	<0.5	9.56	<5	260	<0.5	<2	6.48	<0.5	45	27	122	9.26	0.55	2.46
B680299		4.84	<0.5	6.95	<5	240	1.0	<2	7.48	<0.5	48	674	30	6.36	0.78	8.20
B680300		4.36	<0.5	8.03	<5	60	<0.5	<2	7.25	<0.5	46	91	227	7.84	0.23	3.92
B680301		6.54	<0.5	8.35	<5	50	<0.5	<2	7.46	<0.5	47	55	136	8.28	0.21	4.08
B680302		4.39	<0.5	8.02	<5	40	<0.5	<2	7.59	<0.5	44	52	86	7.93	0.19	3.68
B680303		5.08	<0.5	9.73	<5	60	<0.5	<2	7.46	<0.5	43	98	274	7.41	0.21	3.14
B680304		3.13	<0.5	9.92	<5	70	<0.5	<2	7.36	<0.5	56	207	886	8.46	0.26	3.42
B680305		3.71	<0.5	10.55	<5	70	<0.5	<2	8.32	<0.5	37	144	963	6.49	0.22	2.76
B680306		3.46	0.8	9.97	<5	70	<0.5	<2	7.75	<0.5	80	102	2690	7.72	0.30	2.77
B680307		3.38	0.5	9.80	<5	60	<0.5	<2	7.63	<0.5	102	120	2230	9.32	0.30	3.09
B680308		3.41	0.6	9.62	<5	50	<0.5	<2	7.43	<0.5	96	99	1800	9.29	0.24	3.16
B680309		1.69	<0.5	8.94	<5	70	<0.5	<2	7.72	<0.5	63	138	956	7.36	0.31	3.20
B680310		1.77	<0.5	8.45	5	30	<0.5	<2	8.41	<0.5	53	142	184	8.12	0.17	4.67
B680311		3.52	<0.5	7.89	<5	30	<0.5	<2	8.15	<0.5	71	150	877	10.05	0.18	4.74
B680312		1.65	0.5	6.40	<5	30	<0.5	<2	7.42	<0.5	66	166	651	10.20	0.16	4.28
B680313		1.83	<0.5	7.91	<5	40	<0.5	<2	8.05	<0.5	55	156	426	9.51	0.19	4.67
B680314		5.32	<0.5	8.26	<5	50	<0.5	<2	8.41	<0.5	57	171	168	8.87	0.24	4.72
B680315		2.16	1.0	8.09	<5	30	<0.5	<2	7.28	<0.5	73	150	2550	13.70	0.24	4.46
B680316		2.62	<0.5	8.68	<5	30	<0.5	<2	8.25	<0.5	58	160	75	10.50	0.19	4.82
B680317		4.54	<0.5	8.29	<5	40	<0.5	<2	7.77	<0.5	54	147	74	11.10	0.23	4.33
B680318		3.76	<0.5	7.94	<5	40	<0.5	<2	8.04	<0.5	58	142	180	10.90	0.20	4.97
B680319		4.10	<0.5	7.94	<5	40	<0.5	<2	7.29	<0.5	56	153	220	9.68	0.19	4.35
B680320		5.32	<0.5	7.95	<5	30	<0.5	<2	8.34	<0.5	63	144	393	9.63	0.20	5.05
B680321		5.50	0.5	8.01	<5	30	<0.5	<2	8.52	<0.5	65	156	1495	9.82	0.20	4.71
B680322		3.71	0.8	7.64	<5	40	<0.5	<2	8.21	<0.5	65	150	2160	9.78	0.22	4.91
B680323		4.84	0.6	8.04	<5	50	<0.5	<2	8.50	<0.5	70	150	1895	10.40	0.26	5.33
B680324		2.96	<0.5	7.83	<5	50	<0.5	<2	8.38	<0.5	61	147	1105	9.98	0.25	5.36



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		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.001	0.0005
B680285		1410	<1	1.64	84	200	<2	0.02	<5	136	0.32	201	<10	80	0.002	0.0114
B680286		1335	1	1.75	98	210	2	0.07	<5	154	0.36	204	<10	76	0.003	0.0128
B680287		1360	2	1.76	87	230	4	0.02	<5	150	0.36	211	<10	75	0.002	0.0076
B680288		1080	1	2.15	80	210	<2	0.02	<5	188	0.33	182	<10	62	0.003	0.0058
B680289		1050	1	2.05	143	170	<2	0.13	<5	179	0.31	196	<10	69	0.013	0.0360
B680290		790	1	2.08	142	180	2	0.15	<5	190	0.25	151	<10	48	0.048	0.0443
B680291		969	<1	2.05	738	180	<2	0.96	<5	188	0.26	164	<10	77	0.063	0.1015
B680292		975	1	1.98	1255	180	<2	1.88	<5	188	0.27	169	<10	79	0.064	0.0733
B680293		866	1	1.90	1045	120	3	1.59	<5	205	0.19	131	<10	63	0.034	0.0404
B680294		1295	1	1.55	241	150	<2	0.17	<5	145	0.30	220	<10	80	0.006	0.0116
B680295		1420	1	1.43	477	130	<2	0.44	<5	155	0.28	198	<10	96	0.025	0.0786
B680296		1460	1	1.89	59	300	3	0.06	<5	279	0.82	458	<10	73	0.001	0.0042
B680297		1465	1	1.32	409	1200	<2	0.01	<5	217	0.31	124	<10	114	<0.001	0.0056
B680298		1215	1	2.49	39	350	<2	0.10	<5	546	0.69	351	<10	58	0.001	0.0049
B680299		1150	1	1.34	352	1330	<2	0.02	<5	419	0.36	146	<10	86	<0.001	0.0081
B680300		1330	<1	1.53	82	200	<2	0.13	<5	140	0.29	183	<10	75	0.005	0.0132
B680301		1430	1	1.64	83	220	<2	0.07	<5	123	0.34	208	<10	79	0.003	0.0104
B680302		1280	<1	1.66	78	210	3	0.05	<5	117	0.32	188	<10	66	0.003	0.0049
B680303		1160	<1	1.99	125	160	2	0.13	<5	178	0.31	189	<10	65	0.019	0.0291
B680304		1185	1	2.08	362	180	2	0.40	<5	176	0.29	177	<10	76	0.048	0.0614
B680305		941	1	1.92	248	150	<2	0.25	<5	198	0.23	158	<10	62	0.041	0.0358
B680306		945	1	1.89	947	160	<2	1.25	<5	196	0.21	144	<10	78	0.083	0.0524
B680307		1110	1	1.92	1125	190	<2	1.58	<5	193	0.30	203	<10	83	0.042	0.0375
B680308		1165	2	2.10	899	210	4	1.32	<5	192	0.34	216	<10	76	0.029	0.0867
B680309		1105	2	1.73	392	240	<2	0.49	<5	190	0.35	229	<10	72	0.021	0.0321
B680310		1350	2	1.47	199	160	<2	0.06	<5	150	0.27	207	<10	82	0.005	0.0236
B680311		1585	1	1.50	336	110	6	0.25	<5	146	0.40	251	<10	96	0.018	0.1415
B680312		1595	1	1.27	281	90	2	0.15	<5	134	0.62	338	<10	88	0.069	0.0467
B680313		1570	1	1.36	217	160	4	0.05	<5	153	0.43	262	<10	88	0.024	0.1135
B680314		1550	1	1.42	177	130	2	0.02	<5	178	0.48	275	<10	96	0.004	0.0260
B680315		2200	2	1.33	289	290	6	0.44	<5	97	0.65	312	<10	129	0.040	0.1250
B680316		1915	1	1.63	202	140	<2	0.04	<5	178	0.59	307	<10	105	0.007	0.0856
B680317		1945	1	1.50	174	80	<2	0.03	<5	155	0.58	286	<10	105	0.002	0.0178
B680318		2050	1	1.56	208	80	3	0.04	<5	159	0.77	293	<10	112	0.006	0.0746
B680319		1755	1	1.70	198	90	<2	0.06	<5	197	0.66	280	<10	99	0.006	0.0495
B680320		1690	1	1.34	211	120	2	0.10	<5	177	0.58	271	<10	111	0.008	0.0362
B680321		1635	2	1.35	321	140	4	0.25	<5	193	0.65	277	<10	112	0.021	0.0591
B680322		1595	1	1.22	324	160	<2	0.34	<5	157	0.60	261	<10	109	0.034	0.0595
B680323		1710	1	1.35	416	160	<2	0.34	<5	163	0.63	273	<10	115	0.028	0.0923
B680324		1625	1	1.21	317	180	2	0.19	<5	151	0.63	269	<10	104	0.021	0.0584



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Project: North Rock

CERTIFICATE OF ANALYSIS TB06062946

Sample Description	Method Analyte Units LOR	PGM-MS24
		Pd ppm 0.001
B680285		0.011
B680286		0.008
B680287		0.004
B680288		0.021
B680289		0.108
B680290		0.140
B680291		0.188
B680292		0.273
B680293		0.170
B680294		0.029
B680295		0.161
B680296		0.005
B680297		0.006
B680298		0.006
B680299		0.009
B680300		0.012
B680301		0.006
B680302		0.005
B680303		0.086
B680304		0.242
B680305		0.142
B680306		0.223
B680307		0.130
B680308		0.210
B680309		0.059
B680310		0.058
B680311		0.319
B680312		0.210
B680313		0.151
B680314		0.032
B680315		0.168
B680316		0.077
B680317		0.022
B680318		0.114
B680319		0.110
B680320		0.053
B680321		0.113
B680322		0.106
B680323		0.171
B680324		0.118



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Project: North Rock

CERTIFICATE OF ANALYSIS TB06062946

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	0.01	0.01	0.01	
B680325		4.54	<0.5	7.29	<5	60	<0.5	<2	7.38	<0.5	64	144	795	10.40	0.28	5.37
B680326		5.60	0.6	7.29	<5	80	<0.5	<2	7.36	<0.5	68	129	1225	10.80	0.30	5.12
B680327		4.94	0.7	7.90	<5	60	<0.5	<2	7.86	<0.5	70	130	1940	9.84	0.29	5.43
B680328		3.26	0.6	7.50	5	50	<0.5	<2	7.52	<0.5	65	130	2120	9.95	0.23	5.35
B680329		2.72	0.5	7.82	<5	50	<0.5	<2	8.08	<0.5	71	148	1425	10.35	0.27	5.22
B680330		2.33	<0.5	7.76	<5	70	<0.5	<2	7.82	<0.5	64	134	904	10.00	0.32	5.04
B680331		3.04	<0.5	7.03	<5	80	<0.5	<2	7.47	<0.5	66	148	252	11.35	0.38	5.20
B680332		2.10	0.9	7.77	<5	40	<0.5	<2	8.00	<0.5	74	118	2270	10.35	0.25	5.61
B680333		2.30	<0.5	7.33	5	100	<0.5	<2	7.24	<0.5	66	119	876	9.74	0.40	5.95
B680334		3.96	0.7	7.36	<5	130	<0.5	<2	6.62	<0.5	78	132	2370	10.50	0.35	5.33
B680335		5.00	<0.5	6.79	<5	240	<0.5	<2	4.60	<0.5	73	89	364	11.55	0.73	5.58
B680336		2.91	<0.5	7.28	<5	70	0.5	<2	6.96	<0.5	48	41	105	9.24	0.17	3.48
B680337		3.13	<0.5	7.83	<5	50	0.6	<2	8.10	<0.5	44	35	17	8.40	0.13	3.17
B680338		2.79	<0.5	7.77	5	40	0.6	<2	7.89	<0.5	36	35	19	7.06	0.09	2.97
B680339		3.14	<0.5	7.74	<5	40	0.6	<2	8.17	<0.5	39	33	6	8.16	0.10	2.85
B680340		4.47	<0.5	7.52	<5	40	0.6	<2	7.90	<0.5	45	36	18	9.70	0.14	2.82
B680341		4.44	<0.5	7.42	7	60	0.6	<2	7.67	<0.5	51	49	29	10.40	0.17	3.23
B680342		4.64	<0.5	6.64	<5	50	0.5	<2	8.04	<0.5	56	81	89	10.55	0.16	3.61



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CERTIFICATE OF ANALYSIS TB06062946

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.001	0.0005
B680325		1680	2	1.16	338	220	<2	0.16	<5	120	0.56	247	<10	104	0.015	0.0669
B680326		1745	1	1.38	341	200	2	0.25	<5	160	0.58	237	<10	108	0.027	0.0923
B680327		1585	1	1.34	420	280	2	0.36	<5	173	0.59	242	<10	110	0.027	0.0503
B680328		1640	7	1.29	412	280	<2	0.32	<5	151	0.62	243	<10	113	0.032	0.0919
B680329		1675	1	1.28	351	170	<2	0.31	<5	158	0.56	258	<10	114	0.014	0.0572
B680330		1575	1	1.29	302	140	<2	0.19	<5	158	0.57	255	<10	106	0.010	0.0355
B680331		1785	1	1.26	326	100	5	0.13	<5	125	0.66	264	<10	101	0.003	0.0498
B680332		1670	1	1.26	495	270	5	0.38	<5	155	0.63	255	<10	110	0.029	0.0906
B680333		1650	1	1.19	358	220	<2	0.11	<5	138	0.55	228	<10	103	0.014	0.0442
B680334		1670	1	1.40	522	280	<2	0.48	<5	143	0.59	248	<10	112	0.039	0.0681
B680335		1720	2	1.55	315	280	<2	0.38	<5	92	0.79	316	<10	98	0.003	0.0264
B680336		1735	1	1.97	76	220	<2	0.03	<5	230	1.08	331	<10	75	0.002	0.0016
B680337		1825	1	2.38	74	250	2	<0.01	<5	254	1.16	371	<10	64	<0.001	0.0007
B680338		1755	1	2.67	59	70	<2	<0.01	<5	270	1.16	230	<10	60	0.001	0.0007
B680339		1885	1	2.60	61	80	<2	<0.01	<5	309	1.17	342	<10	68	<0.001	0.0006
B680340		1930	1	2.51	63	180	2	<0.01	<5	283	1.12	362	<10	85	<0.001	0.0005
B680341		1855	2	2.46	79	500	<2	0.01	<5	221	1.10	362	<10	102	<0.001	0.0036
B680342		1920	2	1.92	112	450	<2	0.08	<5	187	0.97	346	<10	104	0.001	0.0124



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CERTIFICATE OF ANALYSIS TB06062946

Sample Description	Method Analyte Units LOR	PGM-MS24
		Pd ppm 0.001
B680325		0.153
B680326		0.242
B680327		0.182
B680328		0.178
B680329		0.098
B680330		0.063
B680331		0.088
B680332		0.184
B680333		0.075
B680334		0.237
B680335		0.182
B680336		0.005
B680337		0.002
B680338		0.001
B680339		0.001
B680340		<0.001
B680341		0.001
B680342		0.012



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CERTIFICATE TB06069174

Project: North Rock

P.O. No.:

This report is for 95 Channel samples submitted to our lab in Thunder Bay, ON, Canada on 26-JUL-2006.

The following have access to data associated with this certificate:

MITCH DUMOULIN

AUBREY J. EVELEIGH

A.D. MACTAVISH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	27 element four acid ICP-AES	ICP-AES
PGM-MS24	Pt, Pd and Au 50g FA ICP-MS	ICP-MS

To: METAL CORP LTD
ATTN: AUBREY J. EVELEIGH
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Keith Rogers, Executive Manager Vancouver Laboratory



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CERTIFICATE OF ANALYSIS TB06069174

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
B680428		4.33	<0.5	8.88	5	70	<0.5	<2	7.05	<0.5	46	25	118	9.85	0.29	2.79
B680429		3.62	<0.5	8.54	<5	80	<0.5	<2	7.09	<0.5	51	30	151	11.40	0.34	2.81
B680430		4.66	<0.5	8.46	5	90	<0.5	<2	7.03	<0.5	49	21	229	10.70	0.33	2.77
B680431		4.28	<0.5	7.57	<5	80	<0.5	<2	6.83	<0.5	56	31	121	11.70	0.36	3.03
B680432		4.74	<0.5	8.24	<5	130	<0.5	<2	6.38	<0.5	45	30	98	9.96	0.40	2.88
B680433		4.21	<0.5	9.08	<5	80	<0.5	<2	6.93	<0.5	42	36	58	9.90	0.30	2.75
B680434		3.33	<0.5	9.76	<5	90	<0.5	<2	7.26	<0.5	43	57	114	8.98	0.31	2.66
B680435		1.51	<0.5	3.10	<5	40	<0.5	<2	7.29	<0.5	74	1100	22	12.10	0.12	8.89
B680436		2.47	<0.5	10.00	<5	100	<0.5	<2	7.36	<0.5	38	30	174	7.21	0.27	2.23
B680437		3.08	<0.5	9.95	<5	80	<0.5	<2	7.81	<0.5	39	123	57	7.99	0.26	3.31
B680438		3.31	<0.5	9.12	<5	110	<0.5	<2	7.30	<0.5	41	93	88	7.98	0.37	2.96
B680439		2.18	<0.5	9.94	<5	100	<0.5	<2	7.78	<0.5	41	83	50	8.36	0.31	3.33
B680440		3.92	<0.5	9.57	<5	90	<0.5	<2	7.49	<0.5	37	55	47	7.74	0.27	3.17
B680441		2.74	<0.5	9.28	<5	100	<0.5	<2	6.64	<0.5	41	42	102	8.39	0.33	2.79
B680442		4.31	<0.5	9.48	<5	80	<0.5	<2	7.31	<0.5	40	38	78	8.33	0.26	3.15
B680443		3.77	<0.5	9.49	<5	70	<0.5	3	7.72	<0.5	43	39	149	8.50	0.25	3.11
B680444		3.97	<0.5	9.58	<5	70	<0.5	<2	7.68	<0.5	45	37	181	8.81	0.24	3.07
B680445		5.82	<0.5	9.27	<5	60	<0.5	<2	7.56	<0.5	46	36	191	9.01	0.25	3.12
B680446		5.79	<0.5	9.66	<5	70	<0.5	<2	7.84	<0.5	49	26	171	9.43	0.27	3.29
B680447		6.13	<0.5	9.24	<5	80	<0.5	<2	7.50	<0.5	44	31	172	9.25	0.29	3.10
B680448		5.74	<0.5	9.60	<5	70	<0.5	<2	8.21	<0.5	59	41	263	11.45	0.30	3.47
B680449		5.63	<0.5	9.38	<5	70	<0.5	<2	7.73	<0.5	52	34	191	10.90	0.32	2.97
B680450		4.27	<0.5	9.00	<5	90	<0.5	<2	7.21	<0.5	55	23	205	11.35	0.39	3.09
B680451		5.59	<0.5	9.13	<5	90	<0.5	<2	7.67	<0.5	49	36	107	10.75	0.37	2.99
B680452		4.25	<0.5	8.95	<5	90	<0.5	<2	7.44	<0.5	52	26	109	11.25	0.36	3.17
B680453		3.12	<0.5	8.94	<5	100	<0.5	<2	7.43	<0.5	48	37	79	11.00	0.38	3.17
B680454		2.21	<0.5	9.80	7	280	<0.5	<2	6.96	<0.5	28	23	77	5.75	0.99	1.72
B680455		4.34	<0.5	9.84	<5	170	<0.5	<2	7.69	<0.5	41	434	315	7.53	0.52	3.41
B680456		2.66	<0.5	9.46	<5	220	<0.5	<2	7.70	<0.5	40	185	87	7.45	0.56	4.10
B680457		2.49	<0.5	7.96	<5	200	0.9	<2	7.07	<0.5	45	541	44	7.42	0.48	6.38
B680458		4.52	<0.5	7.62	<5	220	0.9	<2	8.52	<0.5	50	710	61	6.50	0.53	8.34
B680459		4.67	<0.5	6.32	12	70	0.9	<2	8.59	<0.5	57	951	50	6.56	0.28	10.55
B680460		5.04	<0.5	7.63	<5	160	1.1	<2	8.42	<0.5	51	741	110	6.52	0.40	8.67
B680461		3.62	<0.5	8.24	<5	220	1.1	<2	7.81	<0.5	47	608	120	6.81	0.51	7.37
B680462		2.42	<0.5	9.36	<5	210	<0.5	<2	8.18	<0.5	51	121	138	8.51	0.72	4.56
B680463		4.05	<0.5	9.37	<5	120	<0.5	<2	7.87	<0.5	46	94	84	8.67	0.45	4.16
B680464		3.65	<0.5	8.69	<5	70	<0.5	<2	7.50	<0.5	49	57	81	8.90	0.27	3.98
B680465		4.38	<0.5	8.78	<5	70	<0.5	<2	7.58	<0.5	51	49	90	9.19	0.28	4.10
B680466		1.62	<0.5	9.22	<5	80	<0.5	<2	7.36	<0.5	46	49	70	9.19	0.33	3.72
B680467		1.99	<0.5	5.90	<5	60	<0.5	<2	6.63	<0.5	58	198	19	13.00	0.26	5.05



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CERTIFICATE OF ANALYSIS TB06069174

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24	
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm 5	ppm 1	% 0.01	ppm 1	ppm 10	ppm 2	% 0.01	ppm 5	ppm 1	% 0.01	ppm 1	ppm 10	ppm 2	ppm 0.001	ppm 0.0005
B680428		1500	1	1.89	45	220	<2	0.08	<5	134	0.63	399	<10	92	0.002	0.0019
B680429		1740	1	1.73	47	270	<2	0.10	<5	123	0.89	593	<10	115	0.001	0.0021
B680430		1570	<1	1.72	46	230	3	0.09	<5	125	0.83	573	<10	114	0.004	0.0023
B680431		1775	<1	1.58	46	290	2	0.09	<5	112	0.87	573	<10	101	0.001	0.0028
B680432		1515	<1	1.96	47	340	<2	0.06	<5	202	0.70	436	<10	76	0.001	0.0020
B680433		1510	<1	2.01	48	320	5	0.04	<5	161	0.72	445	<10	70	0.001	0.0031
B680434		1330	1	2.07	46	260	<2	0.10	<5	166	0.65	373	<10	68	0.001	0.0025
B680435		2480	<1	0.25	239	130	<2	0.02	5	5	0.42	292	<10	155	0.001	0.0028
B680436		1145	<1	2.32	46	150	2	0.11	<5	211	0.57	278	<10	60	0.004	0.0368
B680437		1365	1	2.29	72	260	<2	0.02	<5	199	0.45	230	<10	80	0.001	0.0021
B680438		1370	1	1.91	54	240	<2	0.04	<5	154	0.35	195	<10	85	0.001	0.0017
B680439		1450	<1	2.19	61	230	<2	0.02	<5	180	0.38	220	<10	94	0.001	0.0019
B680440		1365	<1	2.16	60	230	4	0.01	<5	183	0.36	214	<10	86	0.003	0.0037
B680441		1390	<1	2.05	50	360	5	0.06	<5	171	0.41	214	<10	84	0.002	0.0107
B680442		1370	<1	2.18	66	220	12	0.05	<5	184	0.41	292	<10	90	0.004	0.0094
B680443		1415	1	1.96	67	180	4	0.09	<5	175	0.54	422	<10	89	0.003	0.0069
B680444		1420	1	2.07	69	160	5	0.09	<5	186	0.54	449	<10	86	0.003	0.0062
B680445		1460	<1	1.88	65	170	5	0.10	<5	162	0.62	492	<10	88	0.004	0.0057
B680446		1535	1	1.95	60	200	<2	0.12	<5	161	0.58	448	<10	94	0.003	0.0058
B680447		1500	<1	1.90	56	190	<2	0.09	5	159	0.56	410	<10	93	0.003	0.0047
B680448		1820	<1	1.80	64	170	<2	0.12	<5	150	0.76	596	<10	114	0.005	0.0031
B680449		1665	1	1.81	60	160	6	0.11	<5	153	0.86	650	<10	98	0.003	0.0014
B680450		1700	<1	1.90	66	240	2	0.13	<5	168	0.83	656	<10	107	0.002	0.0024
B680451		1615	<1	1.88	54	320	5	0.10	<5	200	0.81	588	<10	90	<0.001	0.0013
B680452		1720	1	1.92	53	350	<2	0.10	<5	203	0.82	567	<10	85	<0.001	0.0030
B680453		1635	<1	2.04	58	140	2	0.04	<5	196	0.79	470	<10	85	<0.001	0.0034
B680454		882	<1	2.80	48	30	2	0.02	<5	287	0.46	157	<10	49	0.001	0.0255
B680455		1180	<1	2.34	132	170	10	0.07	<5	301	0.38	199	<10	92	0.007	0.1125
B680456		1230	1	2.29	104	290	6	0.06	<5	408	0.36	185	<10	98	<0.001	0.0045
B680457		1315	<1	1.80	276	1060	5	0.01	<5	363	0.37	180	<10	102	<0.001	0.0054
B680458		1225	<1	1.40	381	1320	<2	0.07	6	500	0.32	146	<10	104	<0.001	0.0074
B680459		1440	<1	0.76	540	1330	4	<0.01	<5	210	0.29	129	<10	127	<0.001	0.0058
B680460		1270	<1	1.46	397	1650	6	0.01	5	520	0.38	158	<10	105	<0.001	0.0057
B680461		1305	1	1.89	310	1540	<2	0.02	<5	542	0.35	154	<10	106	0.001	0.0057
B680462		1500	<1	1.84	92	220	<2	0.04	<5	206	0.36	224	<10	95	0.002	0.0122
B680463		1470	4	1.93	95	190	7	0.01	<5	195	0.35	210	<10	87	0.001	0.0146
B680464		1550	<1	1.71	83	270	6	0.04	<5	134	0.43	241	<10	77	0.001	0.0091
B680465		1575	<1	1.75	73	230	<2	0.04	<5	129	0.38	240	<10	83	0.001	0.0040
B680466		1435	2	2.03	74	120	<2	0.02	<5	152	0.50	236	<10	83	<0.001	0.0039
B680467		1985	<1	0.94	121	20	<2	0.01	<5	49	0.45	240	<10	99	<0.001	0.0067



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CERTIFICATE OF ANALYSIS TB06069174

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
B680428		0.002
B680429		0.002
B680430		0.002
B680431		0.003
B680432		0.002
B680433		0.008
B680434		0.008
B680435		0.005
B680436		0.124
B680437		0.002
B680438		0.002
B680439		0.002
B680440		0.005
B680441		0.006
B680442		0.014
B680443		0.003
B680444		0.003
B680445		0.003
B680446		0.003
B680447		0.002
B680448		0.003
B680449		0.001
B680450		0.002
B680451		0.001
B680452		0.003
B680453		0.004
B680454		0.014
B680455		0.077
B680456		0.011
B680457		0.007
B680458		0.011
B680459		0.006
B680460		0.007
B680461		0.006
B680462		0.007
B680463		0.006
B680464		0.005
B680465		0.003
B680466		0.007
B680467		<0.001



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CERTIFICATE OF ANALYSIS TB06069174

Sample Description	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
B680468	4.14	<0.5	10.05	<5	130	<0.5	<2	7.26	<0.5	39	123	15	8.34	0.60	3.26
B680469	3.39	<0.5	9.53	<5	180	<0.5	<2	6.37	<0.5	41	109	19	9.06	0.92	3.45
B680470	4.23	<0.5	9.40	<5	180	<0.5	<2	7.33	<0.5	58	120	26	11.85	0.71	4.25
B680471	4.07	<0.5	8.64	<5	110	<0.5	<2	8.16	<0.5	63	161	164	12.35	0.40	4.20
B680472	4.83	<0.5	8.66	<5	60	<0.5	<2	8.44	<0.5	58	170	178	10.80	0.27	4.45
B680473	3.60	<0.5	8.15	<5	50	<0.5	2	8.12	<0.5	58	157	104	9.64	0.21	4.54
B680474	3.78	<0.5	8.37	<5	40	<0.5	<2	8.71	<0.5	64	159	163	10.15	0.22	5.07
B680475	4.85	<0.5	8.39	<5	60	<0.5	<2	8.81	<0.5	65	169	442	9.93	0.24	4.99
B680476	4.05	<0.5	7.84	<5	50	<0.5	<2	8.24	<0.5	62	153	129	9.41	0.23	4.84
B680477	3.51	<0.5	8.41	<5	50	<0.5	<2	8.89	<0.5	60	161	684	10.10	0.22	5.14
B680478	3.28	<0.5	8.54	<5	60	<0.5	<2	8.72	<0.5	67	160	715	10.25	0.26	5.64
B680479	3.67	<0.5	8.21	<5	50	<0.5	<2	8.51	<0.5	76	153	1115	10.15	0.21	5.93
B680480	5.09	0.5	8.12	<5	90	<0.5	<2	7.82	<0.5	74	144	1940	10.70	0.31	6.07
B680481	4.46	1.0	7.91	<5	70	<0.5	<2	8.09	<0.5	76	134	2710	10.40	0.22	6.32
B680482	5.92	1.1	7.64	<5	80	<0.5	<2	7.49	<0.5	87	144	3520	11.65	0.24	6.67
B680483	4.01	1.2	7.91	<5	100	<0.5	<2	7.76	<0.5	84	148	3800	10.75	0.27	5.76
B680484	6.03	1.5	6.92	<5	140	<0.5	<2	6.06	<0.5	68	131	4270	11.55	0.29	6.12
B680485	4.60	<0.5	7.78	<5	130	<0.5	<2	6.32	<0.5	65	103	211	9.90	0.27	4.53
B680486	5.28	<0.5	7.74	6	60	0.5	<2	6.70	<0.5	54	39	53	10.55	0.21	2.59
B680487	4.15	<0.5	7.89	<5	60	0.5	<2	6.78	<0.5	55	51	98	10.60	0.22	2.71
B680488	4.72	<0.5	7.54	<5	90	0.5	<2	6.28	<0.5	58	37	314	10.70	0.30	2.89
B680489	4.76	<0.5	6.68	<5	130	0.5	<2	6.53	<0.5	60	366	145	10.35	0.26	5.43
B680490	4.06	<0.5	5.48	<5	120	<0.5	<2	5.51	<0.5	53	653	375	11.00	0.36	7.33
B680491	5.15	<0.5	8.12	<5	240	0.5	<2	4.23	<0.5	56	202	564	8.89	0.68	4.16
B680492	3.75	<0.5	7.04	<5	220	0.6	<2	4.88	<0.5	59	332	557	9.59	0.64	5.30
B680493	3.35	<0.5	9.84	<5	210	0.8	<2	4.43	<0.5	4	28	21	1.20	0.28	0.21
B680494	1.75	<0.5	7.27	<5	40	<0.5	<2	6.75	<0.5	42	102	36	7.67	0.10	4.49
B680495	3.86	<0.5	7.36	8	40	<0.5	<2	7.00	<0.5	49	108	25	8.33	0.14	4.42
B680496	3.86	<0.5	8.13	<5	50	<0.5	<2	6.86	<0.5	49	123	950	7.40	0.16	3.70
B680497	4.37	<0.5	7.00	<5	50	<0.5	<2	6.82	<0.5	54	93	19	9.72	0.20	4.50
B680498	4.30	<0.5	6.99	<5	50	<0.5	<2	7.01	<0.5	60	91	30	10.45	0.22	4.30
B680499	4.11	<0.5	6.74	7	50	<0.5	<2	7.11	<0.5	60	88	51	10.65	0.23	4.07
B680500	4.26	<0.5	6.69	<5	50	<0.5	<2	6.94	<0.5	62	90	17	10.90	0.26	4.22
B680501	3.31	<0.5	7.33	6	60	0.5	<2	6.96	<0.5	58	40	13	10.35	0.25	3.86
B680502	3.79	<0.5	7.15	<5	50	0.5	<2	7.19	<0.5	51	48	14	9.88	0.24	3.70
B680503	2.39	<0.5	7.05	8	60	<0.5	<2	6.93	<0.5	52	60	25	10.80	0.27	3.72
B680504	1.22	<0.5	6.51	<5	50	0.5	<2	6.70	<0.5	57	79	17	10.95	0.25	4.04
B680505	3.72	<0.5	6.57	<5	60	<0.5	<2	6.78	<0.5	55	87	36	10.95	0.26	4.04
B680506	4.66	<0.5	6.57	<5	60	<0.5	<2	6.99	<0.5	60	87	54	10.95	0.26	4.03
B680507	3.84	<0.5	6.71	<5	60	<0.5	<2	7.06	<0.5	61	72	75	11.05	0.27	4.01



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CERTIFICATE OF ANALYSIS TB06069174

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24
	Analyte	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
	Units LOR	ppm 5	ppm 1	% 0.01	ppm 1	ppm 10	ppm 2	% 0.01	ppm 5	ppm 1	% 0.01	ppm 1	ppm 10	ppm 2	ppm 0.001	ppm 0.0005
B680468		1325	<1	2.40	91	10	<2	<0.01	<5	201	0.38	181	<10	71	<0.001	0.0158
B680469		1400	<1	2.44	116	20	<2	0.01	<5	233	0.39	185	<10	65	<0.001	0.0054
B680470		1680	1	2.07	164	100	<2	<0.01	<5	179	0.47	316	<10	89	<0.001	0.0028
B680471		1680	18	1.52	185	430	<2	0.03	<5	134	0.42	402	<10	111	0.004	0.0868
B680472		1705	<1	1.65	155	120	5	<0.01	<5	173	0.66	350	<10	112	0.003	0.0090
B680473		1660	<1	1.55	168	150	2	<0.01	<5	186	0.63	300	<10	110	0.001	0.0136
B680474		1810	1	1.44	187	220	<2	0.02	<5	175	0.65	284	40	120	0.002	0.0104
B680475		1765	<1	1.40	225	200	3	0.09	<5	176	0.67	290	<10	130	0.007	0.0294
B680476		1690	1	1.39	184	200	8	0.02	<5	164	0.65	271	<10	126	0.002	0.0152
B680477		1785	1	1.30	252	200	<2	0.11	<5	228	0.68	294	<10	126	0.011	0.0318
B680478		1840	<1	1.32	294	180	6	0.11	<5	201	0.68	293	<10	142	0.010	0.0304
B680479		1905	<1	1.24	409	170	2	0.19	<5	182	0.64	273	<10	251	0.019	0.0606
B680480		2050	<1	1.38	518	260	8	0.29	<5	181	0.63	262	<10	368	0.030	0.0909
B680481		1920	<1	1.24	570	270	2	0.37	<5	162	0.62	256	<10	235	0.042	0.1055
B680482		2150	<1	1.16	780	240	<2	0.53	5	114	0.59	246	<10	254	0.052	0.1310
B680483		1910	<1	1.36	692	220	2	0.61	<5	181	0.67	251	<10	189	0.061	0.1495
B680484		1940	<1	1.19	639	330	3	0.69	<5	129	0.44	165	<10	169	0.088	0.211
B680485		1840	<1	1.96	128	300	6	0.12	<5	243	0.86	305	<10	128	0.002	0.0066
B680486		1800	<1	2.32	75	210	<2	0.01	<5	256	1.10	368	<10	103	0.001	0.0009
B680487		1855	<1	2.55	79	230	2	0.05	<5	265	1.10	357	<10	102	0.001	0.0006
B680488		1770	<1	2.33	160	410	<2	0.23	<5	233	1.08	347	<10	98	0.003	0.0106
B680489		1825	<1	1.75	241	400	4	0.13	<5	191	0.92	336	<10	114	0.001	0.0143
B680490		1585	<1	0.79	264	380	3	0.34	<5	60	0.76	289	<10	122	0.007	0.0251
B680491		1230	<1	2.65	185	450	<2	0.88	<5	261	0.87	235	<10	78	0.003	0.0557
B680492		1560	<1	1.81	214	730	3	0.79	<5	173	1.35	309	<10	89	0.002	0.0052
B680493		243	<1	4.67	8	30	6	0.01	<5	568	0.36	19	<10	14	0.001	0.0097
B680494		1540	<1	2.08	86	40	3	0.01	<5	239	1.02	262	<10	70	0.002	0.0114
B680495		1740	<1	2.05	94	100	3	0.01	<5	221	1.07	270	<10	73	0.001	0.0145
B680496		1845	<1	2.47	172	40	<2	0.28	<5	291	1.58	233	<10	75	0.012	0.1265
B680497		1990	<1	1.74	121	100	5	0.01	<5	192	0.98	336	<10	80	0.001	0.0163
B680498		2040	<1	1.76	126	90	3	0.01	<5	199	0.98	360	<10	84	0.001	0.0162
B680499		2010	<1	1.72	124	140	5	0.01	<5	190	0.96	352	<10	81	0.002	0.0492
B680500		2040	1	1.69	125	430	<2	<0.01	<5	175	0.96	359	<10	78	0.001	0.0188
B680501		1950	<1	1.94	102	370	<2	<0.01	<5	227	1.04	369	<10	68	0.001	0.0198
B680502		1835	<1	2.11	98	50	7	<0.01	<5	230	1.02	371	<10	63	0.001	0.0174
B680503		1930	<1	2.02	110	280	2	<0.01	<5	200	1.03	383	<10	67	0.001	0.0186
B680504		1945	<1	1.58	117	390	3	<0.01	<5	181	0.92	341	<10	72	0.001	0.0192
B680505		1930	<1	1.63	117	420	7	0.01	<5	188	0.92	346	<10	84	0.001	0.0144
B680506		1925	<1	1.69	122	440	3	0.02	<5	193	0.92	355	<10	88	0.001	0.0205
B680507		1915	<1	1.64	124	470	3	0.05	<5	192	0.95	342	<10	93	0.001	0.0148



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CERTIFICATE OF ANALYSIS TB06069174

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
B680468		0.001
B680469		0.044
B680470		0.004
B680471		0.148
B680472		0.010
B680473		0.017
B680474		0.012
B680475		0.045
B680476		0.016
B680477		0.053
B680478		0.050
B680479		0.115
B680480		0.173
B680481		0.211
B680482		0.265
B680483		0.288
B680484		0.465
B680485		0.007
B680486		0.002
B680487		0.001
B680488		0.043
B680489		0.014
B680490		0.143
B680491		0.060
B680492		0.026
B680493		0.003
B680494		0.003
B680495		0.003
B680496		0.098
B680497		0.006
B680498		0.006
B680499		0.046
B680500		0.007
B680501		0.006
B680502		0.004
B680503		0.004
B680504		0.008
B680505		0.008
B680506		0.020
B680507		0.020



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CERTIFICATE OF ANALYSIS TB06069174

Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	ME-ICP61 K % 0.01	ME-ICP61 Mg % 0.01
B680508	4.70	<0.5	6.74	<5	70	0.5	<2	7.05	<0.5	60	86	144	11.50	0.29	4.18
B680509	4.77	<0.5	9.74	<5	60	<0.5	<2	6.59	<0.5	46	728	688	7.54	0.23	3.02
B680510	4.13	0.5	10.15	<5	90	<0.5	<2	6.66	<0.5	40	284	2010	5.70	0.31	2.04
B680511	3.41	0.5	10.10	<5	50	<0.5	<2	6.78	<0.5	64	97	2390	7.50	0.18	2.73
B680512	5.30	<0.5	9.52	<5	50	<0.5	<2	6.84	<0.5	70	119	991	7.90	0.21	3.32
B680513	5.31	<0.5	8.33	<5	40	<0.5	<2	6.77	<0.5	59	135	760	8.44	0.17	4.12
B680514	5.97	0.5	7.88	<5	40	<0.5	<2	7.02	<0.5	70	157	1745	8.93	0.16	4.46
B680515	3.46	<0.5	8.62	7	40	<0.5	<2	6.77	<0.5	64	157	828	8.55	0.18	4.54
B680516	4.57	<0.5	7.75	<5	40	<0.5	<2	6.84	<0.5	94	137	1455	9.86	0.18	4.37
B680517	3.90	0.5	6.49	<5	30	<0.5	<2	6.65	<0.5	125	146	1775	11.10	0.16	4.61
B680518	3.78	<0.5	7.17	<5	100	0.9	<2	3.46	<0.5	14	7	266	5.50	0.28	0.79
B680519	4.22	<0.5	5.39	<5	50	0.7	<2	3.14	<0.5	34	44	612	5.54	0.17	0.80
B680520	4.86	<0.5	7.86	<5	240	1.3	<2	3.04	<0.5	20	5	451	5.64	0.58	0.54
B680521	5.04	<0.5	8.04	<5	320	1.4	<2	2.98	<0.5	7	13	119	5.99	1.13	0.52
B680522	3.50	<0.5	7.53	<5	370	1.4	<2	2.71	<0.5	6	3	22	6.17	1.70	0.52



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Project: North Rock

CERTIFICATE OF ANALYSIS TB06069174

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.001	0.0005
B680508		2020	<1	1.62	119	460	4	0.10	<5	187	0.95	354	<10	103	0.002	0.0162
B680509		1205	<1	2.06	220	130	5	0.27	<5	185	0.37	289	<10	111	0.041	0.0419
B680510		825	1	2.10	316	150	5	0.45	<5	209	0.24	161	<10	79	0.072	0.0614
B680511		1055	1	2.10	600	200	11	0.74	<5	208	0.32	146	<10	80	0.049	0.0561
B680512		1170	<1	1.79	539	110	<2	0.70	<5	163	0.27	177	<10	73	0.024	0.0511
B680513		1400	<1	1.52	338	170	11	0.34	<5	138	0.31	228	<10	83	0.022	0.0383
B680514		1445	<1	1.40	522	150	10	0.56	<5	144	0.31	244	<10	99	0.026	0.0310
B680515		1435	<1	1.46	289	150	7	0.20	<5	166	0.28	214	<10	101	0.100	0.0166
B680516		1485	1	1.41	682	180	5	0.84	<5	161	0.33	242	<10	101	0.020	0.0469
B680517		1635	<1	1.24	1015	240	3	1.48	<5	134	0.48	294	<10	109	0.022	0.1025
B680518		922	1	2.79	42	1150	4	0.47	<5	157	0.55	32	<10	37	0.002	0.0006
B680519		751	<1	1.89	168	720	<2	1.41	<5	129	0.43	49	<10	33	0.005	0.0011
B680520		1330	1	2.85	60	940	6	0.82	<5	137	0.40	8	<10	32	0.003	<0.0005
B680521		1670	1	2.42	6	900	6	0.22	<5	116	0.39	5	<10	30	0.002	<0.0005
B680522		1770	1	1.98	2	870	<2	0.03	<5	96	0.38	5	<10	21	0.001	<0.0005



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Project: North Rock

CERTIFICATE OF ANALYSIS TB06069174

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
B680508 B680509 B680510 B680511 B680512		0.015 0.185 0.206 0.127 0.112
B680513 B680514 B680515 B680516 B680517		0.086 0.074 0.041 0.099 0.232
B680518 B680519 B680520 B680521 B680522		0.006 0.031 0.008 0.001 <0.001



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Finalized Date: 29-AUG-2006
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CERTIFICATE TB06067484

Project: North Rock

P.O. No.:

This report is for 85 Channel samples submitted to our lab in Thunder Bay, ON, Canada on 21-JUL-2006.

The following have access to data associated with this certificate:

MITCH DUMOULIN

AUBREY J. EVELEIGH

A.D. MACTAVISH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	27 element four acid ICP-AES	ICP-AES
PGM-MS24	Pt, Pd and Au 50g FA ICP-MS	ICP-MS

To: METAL CORP LTD
ATTN: AUBREY J. EVELEIGH
309 S COURT ST
THUNDER BAY ON P7B 2Y1

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Keith Rogers, Executive Manager Vancouver Laboratory



Project: North Rock

CERTIFICATE OF ANALYSIS TB06067484

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	0.01	0.01	0.01	
B680343		5.13	<0.5	8.29	14	80	<0.5	<2	6.39	<0.5	46	15	155	9.26	0.36	2.50
B680344		5.06	<0.5	7.90	10	60	<0.5	<2	6.70	<0.5	55	19	122	10.75	0.33	2.87
B680345		2.66	<0.5	8.50	7	60	<0.5	<2	6.41	<0.5	47	24	120	9.52	0.32	2.49
B680346		5.73	<0.5	8.69	17	50	<0.5	<2	6.73	<0.5	42	44	38	8.72	0.28	2.89
B680347		1.06	<0.5	8.33	8	40	<0.5	<2	6.80	<0.5	46	46	27	10.05	0.29	3.10
B680348		5.18	<0.5	7.97	6	60	<0.5	<2	6.03	<0.5	40	50	55	9.21	0.32	2.86
B680349		4.10	<0.5	7.65	<5	30	<0.5	<2	6.26	<0.5	44	41	66	9.95	0.27	2.92
B680350		4.11	<0.5	7.52	<5	50	<0.5	<2	6.12	<0.5	44	36	98	8.91	0.27	2.70
B680351		4.23	<0.5	8.29	<5	70	<0.5	<2	6.99	<0.5	46	45	111	10.05	0.31	3.05
B680352		4.73	<0.5	9.61	<5	70	<0.5	<2	7.56	<0.5	38	63	33	8.63	0.28	3.09
B680353		5.17	<0.5	8.81	<5	70	<0.5	<2	7.28	<0.5	39	65	56	8.65	0.28	2.77
B680354		6.34	<0.5	9.15	17	70	<0.5	<2	7.56	<0.5	39	50	55	8.40	0.28	3.21
B680355		4.39	<0.5	9.25	<5	70	<0.5	<2	7.71	<0.5	41	47	57	8.42	0.26	3.30
B680356		3.09	<0.5	9.11	<5	60	<0.5	<2	7.68	<0.5	42	33	103	9.21	0.26	3.21
B680357		5.56	<0.5	9.14	6	70	<0.5	<2	7.85	<0.5	46	30	113	9.49	0.29	3.24
B680358		4.45	<0.5	8.98	<5	60	<0.5	<2	7.49	<0.5	42	30	122	9.26	0.29	3.18
B680359		4.66	<0.5	9.24	<5	70	<0.5	<2	7.48	<0.5	40	32	138	8.64	0.28	3.36
B680360		4.39	<0.5	9.44	<5	90	<0.5	<2	7.18	<0.5	43	34	119	8.83	0.37	3.36
B680361		4.92	<0.5	9.31	<5	70	<0.5	<2	7.42	<0.5	46	31	120	9.25	0.30	3.35
B680362		4.42	<0.5	9.06	<5	70	<0.5	<2	7.76	<0.5	48	26	188	9.71	0.30	3.41
B680363		5.77	<0.5	8.78	<5	70	<0.5	<2	7.47	<0.5	49	24	179	9.57	0.30	3.27
B680364		6.65	<0.5	9.07	<5	60	<0.5	<2	7.43	<0.5	47	28	176	9.63	0.29	3.30
B680365		4.89	<0.5	8.96	<5	70	<0.5	<2	7.79	<0.5	51	30	185	10.15	0.29	3.46
B680366		4.58	<0.5	8.70	<5	70	<0.5	<2	7.52	<0.5	54	28	162	10.80	0.29	3.45
B680367		4.92	<0.5	7.66	<5	60	<0.5	<2	6.67	<0.5	51	33	268	10.75	0.30	3.23
B680368		3.52	<0.5	8.84	<5	70	<0.5	<2	7.49	<0.5	47	21	95	10.05	0.30	3.06
B680369		4.46	<0.5	8.31	<5	70	<0.5	<2	7.45	<0.5	47	28	101	11.00	0.35	3.05
B680370		5.34	<0.5	7.87	5	70	<0.5	<2	6.65	<0.5	52	30	155	11.25	0.33	3.03
B680371		4.99	<0.5	9.48	<5	100	<0.5	<2	6.80	<0.5	53	36	157	9.62	0.41	2.52
B680372		1.25	<0.5	8.20	8	190	<0.5	<2	7.99	<0.5	44	89	190	9.79	0.55	1.74
B680373		1.74	<0.5	6.69	<5	180	0.9	<2	6.69	<0.5	60	538	947	9.44	0.51	6.51
B680374		3.35	<0.5	5.85	<5	210	0.8	<2	7.66	<0.5	50	827	23	6.33	0.80	9.97
B680375		2.40	<0.5	6.52	12	280	0.8	<2	7.50	<0.5	48	742	11	7.14	1.10	8.87
B680376		3.07	<0.5	8.71	<5	100	<0.5	<2	7.72	<0.5	43	144	62	8.29	0.33	4.23
B680377		4.43	<0.5	8.65	<5	80	<0.5	<2	7.64	<0.5	41	118	46	8.34	0.25	4.45
B680378		5.37	<0.5	8.03	<5	50	<0.5	<2	7.14	<0.5	50	84	299	9.60	0.26	3.91
B680379		5.23	<0.5	8.30	<5	60	<0.5	<2	7.49	<0.5	43	67	122	8.52	0.24	4.17
B680380		4.52	<0.5	8.35	<5	60	<0.5	<2	7.63	<0.5	44	50	101	9.02	0.23	4.08
B680381		3.39	<0.5	9.86	<5	80	<0.5	<2	7.42	<0.5	38	535	383	7.79	0.28	2.64
B680382		2.18	<0.5	9.61	7	90	<0.5	<2	7.33	<0.5	33	52	314	6.74	0.32	2.61



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CERTIFICATE OF ANALYSIS TB06067484

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24
		Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 5	Sr ppm 1	Ti % 0.01	V ppm 1	W ppm 10	Zn ppm 2	Au ppm 0.001	Pt ppm 0.0005	
B680343		1370	<1	1.64	41	230	4	0.16	<5	143	0.72	472	<10	75	0.001	0.0026	
B680344		1590	<1	1.53	52	290	5	0.14	5	120	0.87	591	<10	80	0.001	0.0036	
B680345		1320	<1	1.96	53	310	7	0.12	<5	147	0.71	402	<10	72	0.002	0.0030	
B680346		1290	<1	1.84	45	240	3	0.02	<5	134	0.50	285	<10	70	<0.001	0.0022	
B680347		1470	<1	1.56	43	230	5	0.01	<5	101	0.52	324	10	76	0.001	0.0023	
B680348		1350	<1	1.79	45	210	4	0.04	<5	127	0.55	294	<10	77	0.001	0.0016	
B680349		1500	<1	1.61	52	220	4	0.06	<5	108	0.61	314	<10	77	0.001	0.0024	
B680350		1290	<1	1.65	59	210	9	0.10	<5	136	0.63	327	<10	66	0.002	0.0079	
B680351		1570	<1	1.87	51	310	8	0.09	8	152	0.68	317	10	92	0.001	0.0136	
B680352		1355	1	2.24	53	210	<2	0.02	8	175	0.40	199	<10	79	0.001	0.0025	
B680353		1370	1	2.02	55	310	<2	0.06	<5	164	0.41	196	<10	75	<0.001	0.0034	
B680354		1370	<1	1.97	56	220	4	0.06	4	148	0.34	198	<10	83	<0.001	0.0056	
B680355		1345	<1	2.05	60	220	<2	0.06	5	150	0.45	260	<10	75	<0.001	0.0062	
B680356		1465	<1	2.18	59	190	2	0.06	5	160	0.67	352	10	78	0.001	0.0041	
B680357		1455	<1	1.86	59	260	5	0.09	8	136	0.59	420	<10	78	0.001	0.0071	
B680358		1425	1	1.89	57	250	6	0.06	7	144	0.54	390	10	76	0.001	0.0116	
B680359		1420	<1	2.18	77	270	5	0.07	<5	180	0.40	255	<10	80	0.004	0.0095	
B680360		1435	<1	2.41	74	270	8	0.03	<5	204	0.49	313	10	82	0.004	0.0066	
B680361		1490	<1	2.22	75	220	3	0.06	11	178	0.55	401	<10	91	0.003	0.0059	
B680362		1535	<1	2.04	73	230	3	0.10	<5	158	0.67	483	<10	97	0.004	0.0052	
B680363		1490	<1	1.99	60	240	6	0.08	8	163	0.66	469	<10	94	0.003	0.0051	
B680364		1525	<1	2.10	52	260	<2	0.07	<5	166	0.59	413	<10	97	0.003	0.0037	
B680365		1630	<1	2.02	54	190	3	0.08	<5	159	0.63	443	<10	102	0.003	0.0027	
B680366		1690	<1	1.99	56	190	2	0.08	<5	169	0.67	452	<10	103	0.002	0.0022	
B680367		1610	1	1.93	62	110	11	0.07	11	128	0.85	662	<10	99	0.004	0.0021	
B680368		1495	<1	1.94	51	280	5	0.06	<5	165	0.72	519	<10	84	0.001	0.0019	
B680369		1585	<1	1.83	54	290	5	0.10	6	167	0.87	575	<10	85	<0.001	0.0022	
B680370		1725	<1	1.68	44	510	7	0.19	7	159	0.88	502	<10	86	0.001	0.0026	
B680371		1355	<1	2.41	68	220	5	0.28	<5	263	0.68	348	<10	69	0.001	0.0050	
B680372		1085	<1	1.11	68	140	9	0.25	<5	1120	0.59	230	<10	52	0.001	0.0177	
B680373		1485	<1	1.45	262	1150	5	0.20	<5	250	0.49	179	<10	112	0.019	0.0036	
B680374		1275	1	0.75	467	1250	2	0.01	<5	187	0.29	127	<10	105	<0.001	0.0061	
B680375		1345	<1	1.01	403	1440	10	<0.01	<5	219	0.33	141	<10	107	0.001	0.0056	
B680376		1285	1	1.94	87	280	5	0.05	<5	284	0.41	206	<10	74	0.001	0.0069	
B680377		1390	<1	1.80	81	200	4	0.04	5	180	0.29	188	<10	74	0.001	0.0072	
B680378		1470	<1	1.81	80	230	6	0.17	5	157	0.38	213	<10	84	0.005	0.0083	
B680379		1435	1	1.95	77	240	4	0.05	<5	155	0.35	207	<10	80	0.003	0.0071	
B680380		1470	<1	1.93	68	240	2	0.04	<5	152	0.36	211	<10	78	0.002	0.0021	
B680381		1160	<1	2.23	83	200	4	0.13	7	178	0.48	341	10	81	0.008	0.0097	
B680382		1055	<1	2.30	55	210	<2	0.06	<5	197	0.37	189	<10	60	0.006	0.0021	



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CERTIFICATE OF ANALYSIS TB06067484

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
B680343		0.003
B680344		0.003
B680345		0.005
B680346		0.002
B680347		0.014
B680348		0.002
B680349		0.011
B680350		0.020
B680351		0.013
B680352		0.004
B680353		0.002
B680354		0.008
B680355		0.012
B680356		0.004
B680357		0.023
B680358		0.019
B680359		0.009
B680360		0.003
B680361		0.003
B680362		0.003
B680363		0.002
B680364		0.002
B680365		0.003
B680366		0.004
B680367		0.002
B680368		0.002
B680369		0.005
B680370		0.003
B680371		0.012
B680372		0.021
B680373		0.018
B680374		0.008
B680375		0.007
B680376		0.011
B680377		0.007
B680378		0.008
B680379		0.005
B680380		0.004
B680381		0.037
B680382		0.005



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Total # Pages: 4 (A - C)

Finalized Date: 29-AUG-2006

Account: METCOR

Project: North Rock

CERTIFICATE OF ANALYSIS TB06067484

Sample Description	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	
B680383	3.06	<0.5	8.34	<5	40	<0.5	<2	8.65	<0.5	53	170	219	7.78	0.24	4.98	
B680384	3.60	<0.5	7.99	<5	40	<0.5	<2	8.22	<0.5	52	171	748	7.68	0.21	4.77	
B680385	4.35	<0.5	8.12	<5	60	<0.5	<2	7.60	<0.5	51	148	283	9.01	0.23	4.30	
B680386	4.17	<0.5	8.41	<5	40	<0.5	<2	8.55	<0.5	55	174	295	8.80	0.19	4.87	
B680387	3.01	0.7	8.23	8	50	<0.5	<2	8.38	<0.5	74	197	2690	9.19	0.18	4.68	
B680388	5.25	<0.5	8.42	<5	60	<0.5	<2	6.62	<0.5	55	37	340	11.35	0.31	2.81	
B680389	4.75	<0.5	8.62	<5	60	<0.5	<2	6.99	<0.5	48	28	140	10.60	0.28	2.95	
B680390	0.92	<0.5	9.55	<5	160	0.7	<2	5.94	<0.5	30	76	87	7.07	0.42	2.24	
B680391	3.50	<0.5	7.86	11	150	1.0	<2	6.40	<0.5	40	472	14	6.09	0.54	6.01	
B680392	5.75	<0.5	6.52	<5	240	0.8	<2	7.08	<0.5	46	711	10	6.90	0.87	7.51	
B680393	3.24	<0.5	5.91	<5	290	0.7	<2	6.93	<0.5	47	875	11	7.02	1.16	8.01	
B680394	3.03	<0.5	7.04	<5	260	0.9	<2	7.20	<0.5	47	701	16	7.10	0.88	7.47	
B680395	4.72	<0.5	8.88	<5	120	<0.5	<2	6.93	<0.5	43	134	78	7.78	0.36	3.62	
B680396	4.76	<0.5	8.74	<5	60	<0.5	<2	7.36	<0.5	43	137	55	7.48	0.22	4.12	
B680397	5.39	<0.5	8.32	<5	60	<0.5	<2	7.18	<0.5	44	96	85	8.29	0.23	3.94	
B680398	6.87	<0.5	8.50	<5	60	<0.5	<2	7.34	<0.5	45	88	81	8.29	0.22	4.09	
B680399	5.09	<0.5	8.64	<5	60	<0.5	<2	7.38	<0.5	47	65	73	9.05	0.25	4.07	
B680400	2.73	<0.5	8.70	<5	60	<0.5	<2	7.17	<0.5	43	65	60	8.38	0.24	3.67	
B680401	2.37	<0.5	9.93	11	60	<0.5	<2	6.99	<0.5	33	191	154	6.51	0.21	2.18	
B680402	2.92	<0.5	9.13	<5	60	<0.5	<2	6.81	<0.5	43	121	128	8.92	0.23	3.29	
B680403	2.87	<0.5	8.55	<5	40	<0.5	<2	8.29	<0.5	57	172	153	8.66	0.21	4.70	
B680404	3.32	<0.5	7.60	<5	30	<0.5	<2	7.60	<0.5	66	153	995	8.52	0.19	4.51	
B680405	6.22	<0.5	8.20	<5	40	<0.5	<2	8.10	<0.5	89	151	847	9.22	0.20	4.59	
B680406	3.74	<0.5	8.23	<5	40	<0.5	<2	8.34	<0.5	62	171	433	8.74	0.22	4.78	
B680407	3.66	<0.5	8.30	<5	40	<0.5	<2	8.71	<0.5	63	168	1265	8.99	0.17	4.68	
B680408	3.29	<0.5	7.88	<5	40	<0.5	<2	7.81	<0.5	60	161	721	8.84	0.17	4.44	
B680409	4.10	<0.5	8.10	<5	40	<0.5	<2	8.15	<0.5	56	177	333	9.01	0.16	4.39	
B680410	3.91	<0.5	8.49	6	50	<0.5	<2	7.54	<0.5	69	187	866	10.35	0.21	4.64	
B680411	5.48	0.9	7.71	6	30	<0.5	<2	8.11	<0.5	77	176	4070	11.85	0.17	4.50	
B680412	6.17	1.0	5.61	<5	30	<0.5	<2	5.94	<0.5	584	144	5210	21.3	0.14	3.55	
B680413	3.30	<0.5	7.99	<5	40	<0.5	<2	7.97	<0.5	58	181	586	9.93	0.17	5.06	
B680414	5.48	<0.5	7.85	<5	40	<0.5	<2	7.77	<0.5	151	175	3080	12.80	0.17	5.37	
B680415	2.78	<0.5	8.03	<5	40	<0.5	<2	8.03	<0.5	65	175	1790	10.55	0.20	5.28	
B680416	5.47	0.6	7.56	9	40	<0.5	<2	7.74	<0.5	102	184	3010	11.50	0.20	5.58	
B680417	5.00	<0.5	7.55	<5	50	<0.5	<2	7.74	<0.5	82	149	961	10.95	0.22	5.80	
B680418	5.10	0.6	7.03	<5	50	<0.5	<2	7.11	<0.5	151	155	2880	11.85	0.21	5.73	
B680419	4.65	1.0	6.50	<5	70	<0.5	<2	6.34	<0.5	154	141	4460	11.85	0.21	5.78	
B680420	4.74	1.1	7.60	<5	80	<0.5	<2	7.56	<0.5	83	170	4660	10.80	0.26	5.69	
B680421	6.36	<0.5	7.89	<5	110	<0.5	<2	7.29	<0.5	65	145	1065	10.10	0.26	5.60	
B680422	3.88	<0.5	6.93	<5	60	<0.5	<2	7.46	<0.5	94	120	1080	12.45	0.18	4.23	



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Project: North Rock

CERTIFICATE OF ANALYSIS TB06067484

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24	
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.001	0.0005
B680383		1290	<1	1.37	201	140	4	0.04	<5	169	0.24	205	<10	75	0.003	0.0056
B680384		1275	<1	1.46	256	110	4	0.13	6	181	0.21	191	<10	82	0.014	0.0273
B680385		1500	<1	1.97	167	80	5	0.07	<5	187	0.41	206	<10	93	0.004	0.0469
B680386		1395	<1	1.56	225	130	<2	0.08	5	177	0.31	258	<10	90	0.004	0.0185
B680387		1445	<1	1.32	504	140	<2	0.51	<5	173	0.36	304	<10	119	0.040	0.0864
B680388		1825	1	1.75	54	330	2	0.23	<5	157	1.29	511	10	90	0.004	0.0029
B680389		1595	1	1.95	48	360	8	0.13	<5	189	0.84	474	<10	87	0.001	0.0028
B680390		1080	<1	3.03	64	340	6	0.03	<5	494	0.57	217	<10	64	0.008	0.0105
B680391		1170	<1	1.83	280	900	5	0.01	<5	406	0.36	155	10	83	0.001	0.0071
B680392		1255	<1	1.11	361	1420	4	0.01	<5	288	0.31	133	<10	88	0.001	0.0057
B680393		1290	<1	0.83	394	1390	6	0.01	<5	209	0.28	124	<10	90	<0.001	0.0046
B680394		1290	<1	1.21	328	1460	4	0.01	<5	325	0.33	144	<10	89	0.001	0.0052
B680395		1305	<1	2.16	96	270	7	0.07	<5	272	0.36	182	10	67	0.013	0.0156
B680396		1290	<1	1.67	75	190	4	0.04	<5	145	0.29	185	<10	68	0.001	0.0060
B680397		1410	<1	1.65	73	180	2	0.05	<5	157	0.36	207	<10	78	0.002	0.0103
B680398		1485	1	1.69	81	230	5	0.04	<5	142	0.35	207	<10	64	0.002	0.0102
B680399		1565	<1	1.67	77	220	4	0.04	<5	132	0.37	220	<10	80	0.001	0.0045
B680400		1400	<1	1.81	75	230	<2	0.03	<5	147	0.35	190	<10	77	0.001	0.0023
B680401		982	<1	2.53	77	180	2	0.08	<5	229	0.26	158	10	58	0.002	0.0192
B680402		1495	<1	2.23	85	10	3	0.03	<5	190	0.62	226	10	80	0.002	0.0114
B680403		1440	<1	1.38	196	60	<2	0.04	<5	146	0.37	205	10	83	0.003	0.0162
B680404		1320	<1	1.30	350	70	<2	0.26	<5	144	0.28	222	10	87	0.016	0.0807
B680405		1380	<1	1.46	562	80	4	0.65	<5	161	0.30	259	10	90	0.016	0.0827
B680406		1415	<1	1.27	260	100	4	0.13	<5	159	0.36	296	<10	97	0.011	0.0178
B680407		1500	<1	1.24	325	100	<2	0.27	<5	181	0.54	286	<10	108	0.020	0.0589
B680408		1550	1	1.45	240	130	<2	0.13	<5	159	0.53	278	<10	140	0.011	0.0495
B680409		1530	1	1.49	177	110	4	0.05	<5	172	0.54	279	<10	94	0.005	0.0210
B680410		1810	1	1.47	265	80	<2	0.16	<5	174	0.62	303	<10	157	0.010	0.0433
B680411		1855	1	1.20	543	160	<2	0.86	<5	170	0.61	288	<10	144	0.074	0.0854
B680412		1355	1	0.87	7700	100	<2	7.06	<5	103	0.44	203	10	111	0.018	0.0902
B680413		1730	<1	1.37	294	130	<2	0.18	<5	184	0.60	289	<10	119	0.007	0.0122
B680414		1860	2	1.25	1610	230	3	1.77	<5	166	0.50	235	<10	141	0.033	0.0674
B680415		1725	<1	1.30	484	150	<2	0.46	<5	185	0.60	281	<10	129	0.024	0.0364
B680416		1815	<1	1.22	942	170	<2	1.04	<5	165	0.56	259	<10	152	0.055	0.0669
B680417		1775	<1	1.18	607	160	5	0.58	<5	150	0.61	254	10	124	0.010	0.1780
B680418		1685	<1	1.06	1600	150	2	1.87	<5	129	0.54	234	<10	129	0.025	0.0523
B680419		1685	1	0.93	1350	220	2	1.88	<5	88	0.48	207	<10	166	0.039	0.0677
B680420		1735	1	1.22	757	190	<2	0.78	<5	170	0.62	256	<10	147	0.052	0.1025
B680421		1730	<1	1.47	326	200	4	0.26	<5	178	0.64	260	<10	119	0.015	0.0326
B680422		1975	1	1.66	621	450	<2	1.24	<5	194	1.09	378	10	100	0.013	0.269



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CERTIFICATE OF ANALYSIS TB06067484

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
B680383		0.013
B680384		0.057
B680385		0.034
B680386		0.055
B680387		0.184
B680388		0.004
B680389		0.003
B680390		0.057
B680391		0.010
B680392		0.007
B680393		0.006
B680394		0.007
B680395		0.078
B680396		0.007
B680397		0.007
B680398		0.009
B680399		0.003
B680400		0.005
B680401		0.070
B680402		0.010
B680403		0.020
B680404		0.166
B680405		0.192
B680406		0.105
B680407		0.118
B680408		0.077
B680409		0.038
B680410		0.084
B680411		0.218
B680412		0.417
B680413		0.033
B680414		0.249
B680415		0.086
B680416		0.194
B680417		0.071
B680418		0.207
B680419		0.329
B680420		0.248
B680421		0.085
B680422		0.150



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CERTIFICATE OF ANALYSIS TB06067484

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01	0.01
B680423		3.48	<0.5	7.42	<5	60	0.5	<2	8.26	<0.5	50	36	32	10.30	0.18	2.91
B680424		2.15	<0.5	7.45	10	60	<0.5	<2	8.22	<0.5	52	46	33	10.95	0.19	2.97
B680425		4.25	<0.5	7.53	<5	50	<0.5	<2	8.40	<0.5	50	39	90	9.93	0.17	2.79
B680426		4.15	<0.5	7.38	<5	50	0.5	<2	8.04	<0.5	56	45	990	10.75	0.19	2.88
B680427		3.29	<0.5	7.41	<5	50	0.5	<2	8.25	<0.5	48	37	602	9.99	0.15	2.75



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CERTIFICATE OF ANALYSIS TB06067484

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24	
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.001	0.0005
B680423		1800	<1	2.07	62	470	<2	0.01	<5	246	1.08	352	<10	86	0.001	0.0012
B680424		1980	<1	2.23	68	210	<2	0.01	<5	214	1.09	373	<10	91	0.001	0.0005
B680425		1900	<1	2.30	77	160	<2	0.02	<5	243	1.10	367	<10	82	0.001	0.0027
B680426		1850	<1	2.29	228	110	<2	0.22	<5	225	1.04	353	<10	92	0.022	0.1165
B680427		1730	<1	2.32	150	190	<2	0.09	<5	256	1.09	369	<10	88	0.010	0.0167



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CERTIFICATE OF ANALYSIS TB06067484

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
B680423 B680424 B680425 B680426 B680427		0.001 0.001 0.011 0.096 0.041



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CERTIFICATE TB06072564

Project: North Rock

P.O. No.:

This report is for 106 Channel samples submitted to our lab in Thunder Bay, ON, Canada on 4-AUG-2006.

The following have access to data associated with this certificate:

MITCH DUMOULIN

AUBREY J. EVELEIGH

A.D. MACTAVISH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	27 element four acid ICP-AES	ICP-AES
Cu-AA62	Ore grade Cu - four acid / AAS	AAS
PGM-MS24	Pt, Pd and Au 50g FA ICP-MS	ICP-MS
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

To: METAL CORP LTD
ATTN: AUBREY J. EVELEIGH
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Keith Rogers, Executive Manager Vancouver Laboratory



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CERTIFICATE OF ANALYSIS TB06072564

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%
	LOR	0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01	0.01
B680523		5.84	2.7	9.18	<5	170	<0.5	<2	5.46	<0.5	164	105	>10000	13.40	0.77	1.82
B680524		6.54	0.5	9.37	<5	170	<0.5	2	5.80	<0.5	80	103	3500	12.15	0.78	1.93
B680525		5.04	2.9	9.17	<5	130	<0.5	7	5.24	<0.5	140	37	>10000	12.45	0.61	1.40
B680526		4.33	3.2	9.12	<5	150	<0.5	10	5.69	<0.5	102	30	>10000	14.60	0.73	1.66
B680527		3.03	<0.5	8.23	<5	80	<0.5	<2	6.16	<0.5	75	1610	1270	12.85	0.48	3.35
B680528		5.60	<0.5	10.15	16	60	<0.5	<2	6.33	<0.5	69	148	2270	7.09	0.30	2.35
B680529		4.22	<0.5	10.05	10	90	<0.5	<2	5.87	<0.5	67	132	3820	7.69	0.41	2.11
B680530		4.72	<0.5	10.55	7	80	<0.5	<2	6.88	<0.5	60	64	2900	10.55	0.43	1.74
B680531		2.92	<0.5	9.75	<5	70	<0.5	<2	6.68	<0.5	50	91	2580	8.59	0.38	1.88
B680532		4.05	<0.5	9.92	<5	60	<0.5	<2	7.13	<0.5	36	134	95	5.90	0.21	2.63
B680533		4.89	<0.5	10.05	<5	80	<0.5	<2	7.01	<0.5	39	123	168	7.26	0.36	2.35
B680534		4.39	1.4	10.55	9	100	<0.5	2	6.51	<0.5	66	22	>10000	9.40	0.49	1.11
B680535		4.29	4.7	9.83	<5	170	<0.5	<2	4.89	1.0	114	19	>10000	7.95	0.63	0.40
B680536		3.58	1.2	10.55	<5	110	<0.5	2	6.59	<0.5	65	33	6920	9.43	0.50	1.28
B680537		4.94	<0.5	9.98	<5	120	<0.5	<2	6.61	<0.5	52	92	228	11.35	0.58	1.75
B680538		5.72	<0.5	9.55	<5	150	<0.5	<2	6.41	<0.5	49	74	437	10.45	0.64	1.85
B680539		5.12	<0.5	10.25	<5	130	<0.5	<2	6.53	<0.5	53	97	152	11.20	0.58	2.02
B680540		6.65	0.8	10.45	<5	130	<0.5	<2	6.55	<0.5	76	53	5820	11.35	0.60	1.73
B680541		4.04	<0.5	9.70	<5	80	<0.5	5	6.98	<0.5	44	62	216	7.92	0.34	2.91
B680542		5.88	<0.5	9.44	<5	130	<0.5	<2	6.51	<0.5	50	67	320	10.30	0.58	1.99
B680543		6.15	<0.5	9.86	<5	150	<0.5	<2	6.22	<0.5	49	60	1510	9.17	0.65	1.60
B680544		4.08	4.0	10.60	<5	250	<0.5	3	4.70	<0.5	44	7	6100	9.09	0.89	0.69
B680545		3.83	<0.5	9.98	<5	120	<0.5	<2	6.53	<0.5	59	54	2330	12.55	0.65	2.13
B680546		4.11	<0.5	9.94	<5	120	<0.5	<2	6.55	<0.5	50	45	294	10.55	0.52	2.63
B680547		5.38	<0.5	9.42	<5	80	<0.5	<2	7.42	<0.5	50	25	192	9.35	0.32	3.05
B680548		4.32	<0.5	9.74	<5	120	<0.5	2	6.40	<0.5	54	38	401	11.20	0.52	2.26
B680549		4.90	<0.5	9.75	<5	120	<0.5	2	6.24	<0.5	62	41	2560	11.35	0.53	1.55
B680550		5.06	0.5	10.25	<5	120	<0.5	2	6.25	<0.5	69	37	4620	10.60	0.50	1.36
B680551		6.09	<0.5	9.58	<5	90	<0.5	<2	6.21	<0.5	71	89	2320	11.75	0.51	2.01
B680552		3.95	0.9	10.45	<5	150	<0.5	5	5.75	<0.5	91	39	4800	12.00	0.65	1.54
B680553		4.71	<0.5	10.05	<5	70	<0.5	<2	7.18	<0.5	53	26	153	9.65	0.36	2.83
B680554		6.00	<0.5	10.00	<5	70	<0.5	<2	7.26	<0.5	50	19	136	9.77	0.35	2.90
B680555		5.18	<0.5	10.10	<5	80	<0.5	<2	6.99	<0.5	58	22	1350	9.84	0.39	2.53
B680556		4.66	<0.5	10.85	<5	110	<0.5	<2	6.42	<0.5	68	59	3850	10.60	0.55	1.30
B680557		5.02	1.8	10.45	<5	190	<0.5	<2	5.47	<0.5	192	41	>10000	12.35	0.76	1.16
B680558		2.60	<0.5	10.25	<5	150	<0.5	<2	6.18	<0.5	99	56	5810	12.20	0.76	1.76
B680559		6.71	1.1	9.85	<5	120	<0.5	<2	6.05	<0.5	81	47	7680	12.85	0.65	1.86
B680560		5.36	2.6	9.99	<5	130	<0.5	<2	6.18	<0.5	130	55	>10000	13.85	0.70	1.69
B680561		5.06	1.6	9.69	<5	140	<0.5	<2	5.88	<0.5	110	57	>10000	13.55	0.68	1.63
B680562		2.46	<0.5	9.76	<5	150	<0.5	2	6.25	<0.5	79	88	5360	13.30	0.72	2.07



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CERTIFICATE OF ANALYSIS TB06072564

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Cu-AA62	PGM-MS24
	Analyte	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Cu	Au	
	Units	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	
	LOR	5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.01	0.001	
B680523		1050	29	1.83	417	450	4	3.01	13	101	0.36	139	<10	155	1.84	0.130	
B680524		1070	27	1.81	178	280	9	0.56	10	107	0.44	179	<10	85		0.102	
B680525		840	37	2.04	353	260	8	2.97	6	124	0.15	79	10	159	2.01	0.154	
B680526		1040	44	1.75	259	620	4	2.92	7	94	0.25	81	10	146	2.00	0.239	
B680527		1380	5	1.34	223	70	4	0.18	10	70	0.38	287	<10	119		0.020	
B680528		836	<1	2.07	350	90	2	0.49	<5	144	0.30	143	<10	64		0.032	
B680529		854	7	2.20	339	200	5	0.74	9	136	0.28	134	10	67		0.036	
B680530		936	144	1.93	120	330	4	0.38	8	131	0.20	88	<10	70		0.036	
B680531		887	46	2.02	107	360	5	0.27	7	140	0.20	110	10	63		0.035	
B680532		840	1	2.01	62	110	3	0.03	13	141	0.26	170	<10	43		0.001	
B680533		853	2	1.97	71	100	<2	0.02	<5	133	0.29	155	<10	48		0.002	
B680534		703	43	2.04	167	580	7	1.54	9	141	0.34	48	<10	82	0.95	0.109	
B680535		383	10	2.47	386	110	4	4.56	9	163	0.33	21	<10	198	3.16	>1.00	
B680536		738	287	2.12	153	180	4	1.06	9	150	0.41	95	<10	67		0.060	
B680537		969	220	2.06	100	130	6	0.05	<5	153	0.33	154	<10	51		0.006	
B680538		990	95	2.06	105	130	4	0.05	<5	132	0.35	159	<10	58		0.003	
B680539		1020	27	2.12	114	90	7	0.02	7	138	0.33	170	<10	60		0.002	
B680540		939	40	2.11	207	370	3	0.88	9	150	0.26	111	<10	94		0.080	
B680541		1010	2	1.97	80	80	6	0.04	<5	137	0.26	154	10	60		0.003	
B680542		1020	47	2.02	117	40	<2	0.04	7	140	0.27	153	<10	75		0.005	
B680543		852	144	2.15	115	190	6	0.15	9	144	0.25	132	<10	67		0.104	
B680544		461	8	2.51	110	90	<2	0.59	5	166	0.08	19	<10	68		0.156	
B680545		1260	65	1.95	123	110	<2	0.26	<5	189	0.45	127	<10	90		0.045	
B680546		1390	4	1.96	103	80	4	0.05	6	160	0.70	482	<10	82		0.004	
B680547		1270	<1	1.67	81	120	3	0.08	<5	131	0.58	686	10	78		0.002	
B680548		1330	9	2.08	108	50	2	0.04	<5	144	0.67	401	<10	80		0.007	
B680549		1200	134	2.20	127	60	9	0.34	6	164	0.58	116	<10	89		0.037	
B680550		1120	188	2.24	134	90	8	0.61	10	180	0.65	114	<10	97		0.060	
B680551		1250	29	1.97	141	110	7	0.33	7	127	0.59	218	<10	102		0.029	
B680552		1340	243	2.28	276	290	13	1.28	9	153	0.71	186	<10	102		0.151	
B680553		1300	<1	1.86	61	120	9	0.08	6	136	0.60	654	10	74		0.005	
B680554		1340	<1	1.93	72	110	7	0.08	9	138	0.70	648	10	71		0.002	
B680555		1240	15	1.87	79	270	16	0.26	10	132	0.63	535	<10	76		0.013	
B680556		1100	60	2.20	152	1120	9	0.63	<5	141	1.11	143	<10	72		0.045	
B680557		970	41	2.24	603	810	5	3.78	7	130	1.20	127	<10	136	1.45	0.144	
B680558		1050	18	2.04	208	550	6	0.97	8	115	0.51	153	<10	100		0.042	
B680559		1070	30	1.87	185	670	11	1.04	<5	107	0.75	174	<10	95		0.093	
B680560		1030	13	2.00	306	350	4	2.08	10	120	0.47	153	<10	144	1.23	0.139	
B680561		1210	127	2.00	250	550	3	1.58	7	118	1.16	174	<10	119	0.97	0.154	
B680562		1220	174	1.97	194	230	6	0.74	<5	112	0.98	188	<10	88		0.206	



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CERTIFICATE OF ANALYSIS TB06072564

Sample Description	Method Analyte Units LOR	PGM-MS24	PGM-MS24	Au-AA26
		Pt	Pd	Au
		ppm	ppm	ppm
		0.0005	0.001	0.01
B680523		0.0938	0.007	
B680524		0.0091	0.003	
B680525		0.0012	0.006	
B680526		0.0030	0.006	
B680527		0.149	0.164	
B680528		0.0582	0.246	
B680529		0.0340	0.140	
B680530		0.0014	0.001	
B680531		0.0022	0.001	
B680532		0.0021	0.002	
B680533		0.0020	0.002	
B680534		0.0060	0.004	
B680535		0.0011	0.016	2.48
B680536		0.0025	0.012	
B680537		0.0028	0.001	
B680538		0.0041	<0.001	
B680539		0.0036	<0.001	
B680540		0.0033	0.003	
B680541		0.0027	0.001	
B680542		0.0024	<0.001	
B680543		0.0039	0.001	
B680544		0.0012	0.002	
B680545		0.0024	0.010	
B680546		0.0029	0.001	
B680547		0.0024	0.002	
B680548		0.0052	0.001	
B680549		0.0056	0.001	
B680550		0.0063	0.001	
B680551		0.0069	0.003	
B680552		0.0089	0.013	
B680553		0.0030	0.002	
B680554		0.0035	0.002	
B680555		0.0035	0.003	
B680556		0.0155	0.003	
B680557		0.0665	0.023	
B680558		0.0430	0.008	
B680559		0.0403	0.008	
B680560		0.0345	0.004	
B680561		0.0257	0.004	
B680562		0.0300	0.003	



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CERTIFICATE OF ANALYSIS TB06072564

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	0.01	0.01	0.01	
B680563		4.98	1.4	9.59	<5	130	<0.5	3	6.54	<0.5	107	56	>10000	13.75	0.63	2.10
B680564		5.09	1.6	9.22	<5	130	<0.5	<2	6.04	<0.5	97	73	>10000	13.20	0.63	2.11
B680565		3.32	1.0	9.41	<5	140	<0.5	<2	6.95	<0.5	74	47	6420	10.80	0.67	1.90
B680566		5.41	0.9	9.49	<5	150	<0.5	<2	5.94	<0.5	78	83	6400	11.75	0.70	2.17
B680567		3.51	<0.5	9.45	<5	140	<0.5	<2	5.92	<0.5	52	125	708	10.35	0.65	2.92
B680568		5.19	<0.5	10.20	<5	160	<0.5	<2	6.11	<0.5	49	90	778	9.93	0.71	2.16
B680569		2.83	<0.5	10.45	6	190	<0.5	<2	6.21	<0.5	60	64	2820	10.30	0.88	1.88
B680570		1.90	<0.5	10.85	<5	130	<0.5	<2	7.21	<0.5	69	60	291	9.97	0.76	1.90
B680571		2.02	<0.5	7.47	<5	150	<0.5	<2	7.13	<0.5	66	221	1140	9.31	0.46	4.96
B680572		1.01	<0.5	8.43	<5	270	<0.5	<2	6.82	<0.5	51	364	151	9.00	0.78	5.54
B680573		3.99	<0.5	9.30	<5	100	<0.5	<2	7.34	<0.5	52	97	513	9.68	0.34	3.90
B680574		4.31	<0.5	8.21	<5	110	<0.5	<2	6.31	<0.5	46	91	52	9.41	0.35	4.33
B680575		4.84	<0.5	5.96	<5	50	<0.5	<2	7.38	<0.5	76	184	1930	10.40	0.23	5.54
B680576		1.16	<0.5	10.15	<5	80	<0.5	<2	6.44	<0.5	48	117	434	7.84	0.25	3.37
B680577		3.63	<0.5	9.25	<5	50	<0.5	<2	7.29	<0.5	61	102	1400	9.50	0.22	3.69
B680578		6.13	<0.5	8.19	<5	30	<0.5	<2	6.84	<0.5	44	64	322	9.49	0.18	3.62
B680579		5.07	<0.5	8.63	<5	30	<0.5	<2	6.59	<0.5	56	77	1010	10.30	0.17	3.59
B680580		5.87	<0.5	8.39	<5	30	<0.5	<2	6.37	<0.5	51	63	485	10.15	0.15	3.51
B680581		2.94	<0.5	8.23	<5	30	<0.5	<2	6.17	<0.5	49	74	473	10.15	0.17	3.42
B680582		2.45	<0.5	8.33	<5	30	<0.5	<2	6.31	<0.5	55	59	409	10.15	0.19	3.73
B680583		5.30	<0.5	7.94	10	40	<0.5	<2	5.55	<0.5	49	70	137	10.50	0.22	4.03
B680584		4.14	<0.5	8.14	<5	30	<0.5	<2	5.87	<0.5	50	64	7	11.30	0.19	3.95
B680585		2.54	<0.5	8.23	<5	30	<0.5	<2	6.29	<0.5	47	71	22	11.70	0.18	3.82
B680586		5.28	<0.5	8.25	<5	40	<0.5	<2	6.10	<0.5	51	57	6	11.60	0.21	3.75
B680587		5.54	<0.5	8.01	<5	40	<0.5	<2	6.18	<0.5	51	76	9	11.60	0.23	3.76
B680588		3.49	<0.5	7.76	<5	30	<0.5	<2	6.37	<0.5	47	55	11	10.65	0.19	3.70
B680589		3.86	<0.5	7.97	<5	60	<0.5	<2	6.00	<0.5	45	72	54	11.25	0.28	3.36
B680590		4.32	<0.5	7.65	<5	70	<0.5	<2	6.09	<0.5	42	53	11	10.80	0.31	3.40
B680591		4.86	<0.5	8.12	<5	110	<0.5	<2	6.79	<0.5	48	266	109	10.50	0.42	4.47
B680592		4.33	<0.5	7.58	<5	100	0.8	<2	7.53	<0.5	51	55	496	10.65	0.38	3.25
B680593		1.32	<0.5	8.04	<5	110	<0.5	<2	6.42	<0.5	52	72	165	11.80	0.41	3.22
B680594		5.55	<0.5	8.09	<5	50	<0.5	<2	6.04	<0.5	62	61	3	12.25	0.27	3.21
B680595		4.50	<0.5	7.67	<5	50	<0.5	<2	6.01	<0.5	51	76	32	11.90	0.24	3.22
B680596		3.92	<0.5	7.72	<5	100	<0.5	<2	5.85	<0.5	44	70	47	11.70	0.37	3.38
B680597		1.07	<0.5	7.52	<5	120	<0.5	<2	5.64	<0.5	44	151	62	11.10	0.42	3.69
B680598		3.17	<0.5	7.69	<5	70	<0.5	<2	6.33	<0.5	52	147	289	11.50	0.28	3.63
B680599		3.12	<0.5	7.69	<5	90	<0.5	<2	6.19	<0.5	46	166	159	11.10	0.34	3.67
B680600		1.31	<0.5	7.82	<5	80	<0.5	<2	5.99	<0.5	51	75	444	11.20	0.32	3.44
B680601		1.13	<0.5	8.04	<5	120	<0.5	<2	6.44	<0.5	56	94	374	11.70	0.41	3.65
B680602		2.88	<0.5	8.38	<5	350	1.3	<2	6.65	<0.5	34	545	38	5.93	0.94	5.28



Project: North Rock

CERTIFICATE OF ANALYSIS TB06072564

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Cu-AA62	PGM-MS24
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Cu	Au
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.01	0.001
B680563		1260	92	1.94	271	2540	6	1.50	6	122	0.90	188	<10	132	0.96	0.095
B680564		1210	34	1.84	252	1420	4	1.55	7	113	0.90	190	<10	124	1.13	0.266
B680565		1050	6	1.90	210	8150	2	0.83	<5	137	0.80	190	<10	96		0.065
B680566		1120	36	1.84	232	1310	4	0.99	<5	112	0.78	173	<10	92		0.085
B680567		1160	<1	1.84	111	80	5	0.08	<5	113	0.47	133	<10	60		0.020
B680568		994	5	2.10	112	130	4	0.11	6	135	0.37	136	<10	63		0.009
B680569		918	2	1.93	163	1880	<2	0.41	7	134	0.33	160	10	87		0.043
B680570		1080	3	1.92	122	1240	<2	0.04	6	142	0.40	187	<10	71		0.004
B680571		1550	1	1.51	384	290	5	0.42	7	214	0.49	292	<10	99		0.012
B680572		1480	<1	1.48	269	490	5	0.05	12	177	0.36	248	10	105		0.002
B680573		1630	<1	2.16	196	40	5	0.16	<5	223	0.67	466	<10	89		0.008
B680574		1710	<1	2.14	126	30	8	0.02	15	210	0.59	179	<10	87		0.002
B680575		1750	<1	1.24	486	140	<2	0.65	14	113	0.49	313	<10	113		0.030
B680576		1350	<1	2.64	269	60	4	0.28	8	299	0.40	212	<10	84		0.005
B680577		1560	<1	2.06	481	40	6	0.45	6	191	0.56	484	<10	86		0.020
B680578		1860	<1	2.02	152	40	<2	0.06	<5	181	0.77	450	10	79		0.004
B680579		1880	<1	2.22	304	60	6	0.25	11	188	0.78	498	<10	85		0.008
B680580		1790	<1	2.26	177	60	4	0.10	13	183	0.89	501	<10	88		0.007
B680581		1650	<1	2.27	165	50	6	0.07	10	183	0.89	493	<10	83		0.006
B680582		1620	<1	2.16	198	60	4	0.14	9	167	0.86	468	10	77		0.005
B680583		1870	<1	2.04	61	100	4	0.03	<5	149	0.82	457	<10	88		0.002
B680584		2030	<1	2.09	43	70	9	0.01	6	170	0.98	502	<10	97		0.001
B680585		2000	<1	1.96	48	70	2	0.03	13	165	1.02	502	<10	108		<0.001
B680586		1930	<1	2.05	52	100	<2	<0.01	9	170	0.97	492	10	108		<0.001
B680587		1920	<1	1.82	85	50	<2	0.01	6	163	0.92	418	<10	106		0.001
B680588		1930	<1	1.80	50	60	7	<0.01	7	169	0.98	482	<10	107		<0.001
B680589		2160	<1	1.85	72	50	4	0.01	13	165	1.07	514	<10	117		0.001
B680590		2260	<1	1.80	41	110	2	0.01	8	161	1.02	507	10	118		0.001
B680591		2070	<1	1.85	132	440	2	0.11	8	258	0.89	424	<10	122		0.001
B680592		1960	8	1.27	151	230	9	0.41	8	256	0.98	433	10	104		0.004
B680593		2050	<1	1.77	159	90	3	0.14	<5	174	1.09	503	<10	118		0.001
B680594		2170	10	1.93	55	100	6	<0.01	6	149	1.13	467	<10	122		<0.001
B680595		2190	<1	1.79	103	60	2	0.09	13	153	1.02	442	<10	123		0.001
B680596		2310	<1	2.17	112	70	3	0.10	8	169	1.06	586	<10	127		0.001
B680597		2020	<1	2.21	86	200	6	0.11	<5	237	0.97	462	<10	136		0.001
B680598		2050	<1	2.26	99	290	6	0.54	<5	251	0.94	428	<10	128		0.002
B680599		2010	<1	2.22	85	300	<2	0.29	10	257	0.97	413	<10	126		0.001
B680600		2000	<1	2.32	138	180	3	0.32	11	235	1.02	502	<10	126		0.008
B680601		2020	6	2.45	130	300	<2	0.67	9	326	0.94	529	<10	126		0.002
B680602		1120	<1	2.35	190	1720	8	0.14	14	1050	0.35	144	<10	86		0.001



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CERTIFICATE OF ANALYSIS TB06072564

Sample Description	Method Analyte Units LOR	PGM-MS24	PGM-MS24	Au-AA26
		Pt	Pd	Au
		ppm	ppm	ppm
		0.0005	0.001	0.01
B680563		0.0295	0.007	
B680564		0.0290	0.004	
B680565		0.0397	0.010	
B680566		0.0400	0.012	
B680567		0.0290	0.001	
B680568		0.0384	0.001	
B680569		0.0352	0.003	
B680570		0.0256	0.001	
B680571		0.0234	0.066	
B680572		0.0082	0.010	
B680573		0.0909	0.097	
B680574		0.166	0.145	
B680575		0.0663	0.163	
B680576		0.0642	0.127	
B680577		0.0618	0.197	
B680578		0.0140	0.032	
B680579		0.0195	0.080	
B680580		0.0173	0.043	
B680581		0.0130	0.030	
B680582		0.0212	0.068	
B680583		0.0051	0.013	
B680584		0.0017	0.002	
B680585		0.0039	0.005	
B680586		0.0048	0.002	
B680587		0.129	0.149	
B680588		0.0009	0.002	
B680589		0.0026	0.005	
B680590		0.0020	0.003	
B680591		0.0052	0.012	
B680592		0.0047	0.047	
B680593		0.0076	0.018	
B680594		0.0024	0.003	
B680595		0.0023	0.012	
B680596		0.0056	0.020	
B680597		0.0030	0.006	
B680598		0.0028	0.018	
B680599		0.0021	0.008	
B680600		0.0197	0.043	
B680601		0.0034	0.007	
B680602		0.0077	0.009	



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CERTIFICATE OF ANALYSIS TB06072564

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	0.01	0.01	0.01	
B680603		1.46	<0.5	7.79	<5	310	1.0	<2	6.99	<0.5	46	517	200	8.37	0.93	5.50
B680604		2.93	<0.5	7.85	<5	90	<0.5	<2	5.97	<0.5	45	44	58	11.00	0.35	3.55
B680605		3.70	<0.5	7.51	<5	90	<0.5	<2	5.80	<0.5	49	92	37	10.95	0.34	3.49
B680606		5.19	<0.5	7.64	<5	80	<0.5	<2	5.94	<0.5	49	147	35	10.95	0.31	3.76
B680607		5.69	<0.5	7.86	<5	60	<0.5	<2	6.09	<0.5	47	64	28	11.80	0.27	3.18
B680608		2.46	<0.5	7.26	<5	210	1.1	<2	6.76	<0.5	47	702	39	6.88	0.64	7.31
B680609		2.16	<0.5	8.20	<5	60	<0.5	<2	6.40	<0.5	50	69	62	11.45	0.26	3.25
B680610		3.17	<0.5	7.87	<5	50	<0.5	<2	6.11	<0.5	48	49	19	11.45	0.20	3.22
B680611		4.97	<0.5	7.92	<5	40	<0.5	<2	6.00	<0.5	50	103	65	12.05	0.18	3.27
B680612		4.47	<0.5	7.97	<5	40	<0.5	<2	6.26	<0.5	48	43	32	12.10	0.20	3.23
B680613		4.46	<0.5	7.74	<5	40	<0.5	<2	6.08	<0.5	46	63	46	11.65	0.19	3.17
B680614		5.18	<0.5	5.41	<5	60	<0.5	<2	6.13	<0.5	79	209	908	11.95	0.30	5.74
B680615		5.75	<0.5	6.31	<5	60	<0.5	<2	7.21	<0.5	77	201	633	10.05	0.23	5.15
B680616		4.71	<0.5	5.53	<5	40	<0.5	<2	7.02	<0.5	57	219	330	10.00	0.19	5.62
B680617		4.91	<0.5	5.85	<5	40	<0.5	<2	8.02	<0.5	58	239	471	9.56	0.17	5.39
B680618		1.34	<0.5	8.48	<5	110	<0.5	<2	6.60	<0.5	51	95	269	7.67	0.34	4.67
B680619		4.39	<0.5	8.53	<5	180	<0.5	<2	6.45	<0.5	51	92	312	9.04	0.50	3.85
B680620		1.27	<0.5	8.34	<5	340	0.9	<2	5.42	<0.5	32	303	23	5.94	0.84	4.53
B680621		4.08	<0.5	8.32	<5	440	0.9	<2	5.41	<0.5	39	371	157	6.33	0.97	5.06
B680622		1.85	<0.5	8.00	<5	420	0.9	<2	5.40	<0.5	37	365	34	6.01	0.98	5.11
B680623		0.92	<0.5	5.21	<5	50	<0.5	<2	6.42	<0.5	103	235	810	11.55	0.23	5.91
B680624		0.72	<0.5	7.01	<5	90	<0.5	<2	5.99	<0.5	38	73	34	8.59	0.30	3.64
B680625		0.76	<0.5	6.73	9	70	<0.5	<2	5.48	<0.5	45	121	24	11.00	0.31	3.62
B680626		0.87	<0.5	7.38	16	50	<0.5	<2	6.53	<0.5	86	44	646	9.45	0.21	3.57
B680627		0.92	<0.5	6.63	7	60	<0.5	<2	5.84	<0.5	79	71	1375	10.90	0.28	3.48
B680628		1.02	<0.5	6.56	14	100	<0.5	<2	5.49	<0.5	42	69	23	10.15	0.32	4.23



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CERTIFICATE OF ANALYSIS TB06072564

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Cu-AA62	PGM-MS24
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Cu	Au
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.01	0.001
B680603		1540	1	2.02	209	2980	7	0.28	12	617	0.56	272	10	123		0.002
B680604		2400	<1	2.09	37	240	<2	0.10	5	228	1.04	436	10	126		<0.001
B680605		2410	<1	1.84	54	240	<2	0.07	<5	186	0.97	422	<10	124		<0.001
B680606		2330	<1	1.91	55	380	<2	0.08	5	211	0.96	424	<10	129		<0.001
B680607		2400	<1	2.04	31	240	3	0.03	8	204	1.04	461	10	133		0.001
B680608		1470	<1	1.48	305	1400	3	0.07	<5	454	0.34	153	<10	149		<0.001
B680609		2250	<1	2.18	41	250	<2	0.08	8	244	1.07	459	10	136		<0.001
B680610		2380	<1	2.00	38	200	4	0.01	6	182	1.05	429	10	136		<0.001
B680611		2530	<1	1.93	28	240	2	0.05	8	170	1.06	419	<10	146		0.001
B680612		2390	<1	1.98	34	350	<2	0.01	8	164	1.07	438	10	144		0.001
B680613		2340	<1	1.93	26	290	<2	0.02	7	165	1.05	436	10	139		0.001
B680614		1930	2	1.01	650	90	<2	0.89	8	76	0.48	247	<10	100		0.011
B680615		1650	<1	1.23	654	150	<2	0.99	6	110	0.45	258	10	82		0.002
B680616		1760	<1	1.11	248	170	<2	0.21	13	96	0.48	280	<10	88		0.004
B680617		1660	<1	0.90	252	130	<2	0.25	<5	127	0.42	284	<10	101		0.006
B680618		1360	<1	1.80	224	70	2	0.14	11	162	0.28	180	<10	73		0.004
B680619		1750	1	1.93	197	50	4	0.08	12	211	0.63	496	<10	85		0.007
B680620		1010	<1	2.84	92	990	<2	<0.01	12	438	0.40	152	<10	78		0.001
B680621		1010	<1	2.71	124	1090	9	0.09	<5	463	0.42	160	<10	89		0.001
B680622		1040	<1	2.56	107	950	6	0.01	8	392	0.39	146	<10	85		0.001
B680623		1810	4	0.95	995	90	<2	1.66	15	84	0.51	282	10	87		0.002
B680624		1555	1	2.05	86	30	9	0.01	<5	193	0.80	217	<10	68		0.001
B680625		1685	2	1.99	124	40	8	0.01	<5	211	1.55	254	<10	61		<0.001
B680626		1400	2	1.83	525	280	5	0.87	6	178	0.45	225	<10	70		0.005
B680627		1530	2	1.98	377	310	<2	1.16	<5	201	0.82	432	<10	70		0.011
B680628		1670	1	1.90	109	50	<2	0.01	<5	163	0.98	167	<10	72		0.001



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CERTIFICATE OF ANALYSIS TB06072564

Sample Description	Method Analyte Units LOR	PGM-MS24	PGM-MS24	Au-AA26
		Pt ppm 0.0005	Pd ppm 0.001	Au ppm 0.01
B680603		0.0271	0.017	
B680604		0.0007	0.001	
B680605		0.0013	0.003	
B680606		0.0014	0.001	
B680607		0.0011	0.001	
B680608		0.0066	0.007	
B680609		0.0016	0.001	
B680610		0.0019	0.001	
B680611		0.0035	0.002	
B680612		0.0013	0.002	
B680613		0.0009	0.001	
B680614		0.1610	0.224	
B680615		0.0610	0.159	
B680616		0.0269	0.069	
B680617		0.0531	0.111	
B680618		0.0197	0.056	
B680619		0.0286	0.088	
B680620		0.0033	0.004	
B680621		0.0021	0.002	
B680622		0.0040	0.003	
B680623		0.1130	0.306	
B680624		0.0314	0.026	
B680625		0.0012	0.001	
B680626		0.1610	0.194	
B680627		0.1645	0.482	
B680628		0.1780	0.118	



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CERTIFICATE TB06079499

Project: North Rock
 P.O. No.:
 This report is for 118 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 18-AUG-2006.

The following have access to data associated with this certificate:

MITCH DUMOULIN

AUBREY J. EVELEIGH

A.D. MACTAVISH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
PGM-ICP27	Ore grade Pt, Pd and Au by ICP	ICP-AES
ME-ICP61	27 element four acid ICP-AES	ICP-AES
Cu-AA62	Ore grade Cu - four acid / AAS	AAS
PGM-MS24	Pt, Pd and Au 50g FA ICP-MS	ICP-MS
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 
 Keith Rogers, Executive Manager Vancouver Laboratory



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Project: North Rock

CERTIFICATE OF ANALYSIS TB06079499

Sample Description	Method Analyte Units LOR	WEI-21	PGM-ICP27	PGM-ICP27	PGM-ICP27	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Au ppm	Pt ppm	Pd ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.03	0.03	0.03	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1
B680629		4.93				<0.5	10.15	7	80	<0.5	<2	7.52	<0.5	39	23	66
B680630		5.12				<0.5	10.45	<5	90	<0.5	<2	7.46	<0.5	38	19	73
B680631		4.89				<0.5	10.20	<5	80	<0.5	<2	7.54	<0.5	35	15	68
B680632		3.69				<0.5	9.73	<5	120	<0.5	<2	7.03	<0.5	32	30	39
B680633		4.22				<0.5	10.10	<5	150	<0.5	<2	7.24	0.6	40	9	71
B680634		4.48				<0.5	9.67	<5	70	<0.5	<2	7.18	0.5	34	10	80
B680635		5.88				<0.5	10.15	9	70	<0.5	<2	7.31	<0.5	35	12	81
B680636		6.28				<0.5	9.61	5	70	<0.5	<2	7.06	<0.5	35	16	73
B680637		5.77				<0.5	10.05	12	70	<0.5	<2	7.06	<0.5	37	21	130
B680638		5.53				<0.5	9.77	10	80	<0.5	<2	7.25	<0.5	41	16	78
B680639		4.31				<0.5	10.20	6	80	<0.5	<2	7.14	<0.5	35	18	84
B680640		3.13				<0.5	9.88	7	80	<0.5	<2	7.10	0.6	38	22	111
B680641		3.45				<0.5	10.25	<5	80	<0.5	<2	7.35	<0.5	39	12	73
B680642		4.44				<0.5	10.10	<5	80	<0.5	<2	7.35	0.5	39	11	92
B680643		5.07				<0.5	9.75	7	80	<0.5	<2	6.94	<0.5	37	11	75
B680644		4.58				<0.5	9.82	<5	70	<0.5	<2	6.39	<0.5	37	12	66
B680645		3.97				<0.5	10.10	8	90	<0.5	<2	7.03	<0.5	35	13	63
B680646		5.12				<0.5	9.89	5	100	<0.5	<2	6.73	<0.5	37	21	53
B680647		3.90				<0.5	9.51	<5	70	<0.5	<2	7.00	0.5	41	26	75
B680648		3.05				<0.5	9.32	<5	80	<0.5	<2	6.93	<0.5	38	27	67
B680649		4.42				<0.5	9.30	<5	80	<0.5	<2	7.47	<0.5	43	11	148
B680650		4.11				<0.5	9.12	7	60	<0.5	<2	7.29	<0.5	32	28	70
B680651		4.73				<0.5	10.05	6	70	<0.5	<2	5.23	<0.5	33	23	48
B680652		5.75				<0.5	9.60	8	90	<0.5	<2	6.67	0.6	66	132	1890
B680653		4.63				<0.5	9.58	7	80	<0.5	<2	7.07	<0.5	35	176	78
B680654		4.44				<0.5	9.51	<5	60	<0.5	3	6.92	<0.5	34	178	105
B680655		5.82				<0.5	9.48	6	70	<0.5	<2	6.69	<0.5	32	164	19
B680656		4.11				<0.5	10.00	<5	90	<0.5	<2	6.36	<0.5	36	128	32
B680657		6.00				<0.5	10.10	<5	50	<0.5	<2	7.47	<0.5	36	122	13
B680658		4.78				<0.5	9.29	<5	60	<0.5	<2	6.58	0.5	30	94	19
B680659		4.92				<0.5	9.53	<5	80	<0.5	<2	6.53	<0.5	36	79	78
B680660		5.54				<0.5	9.48	<5	60	<0.5	<2	7.14	<0.5	32	100	62
B680661		4.36				<0.5	9.63	5	40	<0.5	<2	7.78	<0.5	36	94	119
B680662		3.80				0.8	9.57	<5	40	<0.5	<2	7.31	<0.5	36	78	106
B680663		4.25				<0.5	10.05	<5	50	<0.5	<2	7.95	<0.5	39	64	120
B680664		3.94				<0.5	9.41	6	50	<0.5	<2	7.40	<0.5	37	52	105
B680665		3.50				<0.5	9.77	<5	50	<0.5	<2	7.66	<0.5	38	45	104
B680666		4.69				<0.5	9.92	<5	50	<0.5	<2	7.84	<0.5	40	46	75
B680667		4.60				<0.5	9.80	<5	50	<0.5	<2	7.73	<0.5	38	45	68
B680668		4.28				11.4	7.73	<5	100	<0.5	<2	5.22	<0.5	52	<1	>10000



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CERTIFICATE OF ANALYSIS TB06079499

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W
		%	%	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
B680629		8.45	0.34	2.55	1180	<1	2.04	40	170	2	0.08	<5	150	0.74	422	<10
B680630		8.47	0.31	2.37	1195	<1	2.16	42	180	7	0.08	<5	178	0.80	444	<10
B680631		7.99	0.29	2.27	1040	<1	1.99	34	190	4	0.10	<5	167	0.66	361	<10
B680632		6.86	0.30	2.48	983	<1	2.10	49	120	3	0.02	<5	201	0.63	308	<10
B680633		7.96	0.32	2.15	1055	<1	2.24	34	190	4	0.08	<5	153	0.66	368	<10
B680634		7.77	0.28	2.12	986	<1	2.00	35	140	<2	0.08	<5	144	0.65	382	<10
B680635		7.84	0.28	2.34	1060	<1	2.17	41	160	<2	0.05	<5	149	0.65	347	<10
B680636		7.82	0.26	2.31	1050	<1	1.94	38	180	2	0.07	<5	132	0.64	355	<10
B680637		7.80	0.30	2.47	1070	<1	2.21	49	130	2	0.03	<5	144	0.62	345	<10
B680638		8.37	0.32	2.41	1170	<1	2.03	35	170	4	0.09	<5	142	0.69	382	<10
B680639		7.95	0.30	2.49	1070	<1	2.14	39	150	<2	0.03	<5	144	0.49	273	<10
B680640		8.00	0.30	2.39	1080	<1	2.10	45	140	3	0.04	<5	142	0.58	330	<10
B680641		8.66	0.34	2.22	1255	<1	2.23	33	220	3	0.07	<5	163	0.70	362	<10
B680642		8.35	0.30	2.13	1155	<1	2.11	33	210	<2	0.09	<5	156	0.70	354	<10
B680643		8.31	0.34	2.09	1125	<1	2.06	32	200	5	0.06	<5	157	0.62	315	<10
B680644		8.88	0.32	2.10	1160	<1	2.22	31	250	2	0.03	<5	163	0.70	345	<10
B680645		8.49	0.36	2.05	1185	<1	2.18	29	290	3	0.04	<5	159	0.67	321	<10
B680646		8.67	0.37	2.38	1195	<1	2.37	46	150	<2	0.02	<5	154	0.64	266	<10
B680647		9.66	0.26	2.21	1320	<1	1.84	34	210	3	0.04	<5	159	0.85	478	10
B680648		9.39	0.31	2.50	1345	<1	2.02	52	90	<2	0.03	<5	151	0.84	448	<10
B680649		9.37	0.29	2.31	1250	<1	1.78	43	150	2	0.07	<5	145	0.75	509	<10
B680650		8.46	0.28	2.13	1125	<1	1.93	51	80	2	0.02	<5	193	0.49	285	<10
B680651		8.75	0.22	2.44	1245	1	3.22	45	70	3	0.01	<5	165	0.73	249	<10
B680652		7.51	0.38	2.54	920	<1	2.10	507	150	7	0.75	<5	152	0.32	189	<10
B680653		6.41	0.36	3.13	1005	<1	2.08	73	150	10	0.03	<5	145	0.26	162	<10
B680654		6.41	0.26	3.04	962	<1	2.05	79	160	3	0.04	<5	136	0.24	153	<10
B680655		6.58	0.32	3.06	1045	<1	2.50	72	180	<2	<0.01	<5	153	0.26	155	<10
B680656		7.13	0.34	3.04	1060	5	2.63	96	120	3	<0.01	<5	158	0.21	132	<10
B680657		7.23	0.23	3.72	1175	<1	2.47	81	140	<2	<0.01	<5	147	0.24	156	<10
B680658		6.38	0.29	3.27	1060	<1	2.30	69	130	5	<0.01	<5	139	0.21	137	<10
B680659		6.83	0.35	3.34	1105	<1	2.46	73	140	<2	0.01	<5	141	0.24	149	<10
B680660		6.20	0.24	3.32	994	<1	1.99	72	140	5	0.03	<5	143	0.21	143	<10
B680661		6.43	0.16	3.35	1050	1	2.00	78	150	<2	0.03	<5	142	0.22	154	<10
B680662		6.29	0.17	3.21	1060	1	1.96	70	140	<2	0.03	<5	134	0.24	157	<10
B680663		7.06	0.17	3.43	1220	1	2.05	74	150	<2	0.04	<5	140	0.26	173	<10
B680664		6.34	0.16	3.12	1120	1	1.98	62	150	<2	0.03	<5	137	0.23	156	<10
B680665		6.51	0.17	3.22	1130	1	1.98	64	150	<2	0.03	<5	134	0.25	159	<10
B680666		6.91	0.17	3.22	1150	2	2.08	64	200	<2	0.03	<5	140	0.33	186	<10
B680667		6.88	0.18	3.28	1160	1	2.10	60	160	<2	0.03	<5	140	0.25	170	<10
B680668		11.25	0.32	0.33	224	2	3.32	302	>10000	<2	6.77	<5	167	0.03	6	10



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Sample Description	Method Analyte Units LOR	ME-JCP61	Cu-AA62	PGM-MS24	PGM-MS24	PGM-MS24	Au-AA26
		Zn	Cu	Au	Pt	Pd	Au
		ppm	%	ppm	ppm	ppm	ppm
		2	0.01	0.001	0.0005	0.001	0.01
B680629		63		0.001	0.0050	0.003	
B680630		59		0.001	0.0035	0.002	
B680631		55		0.001	0.0026	0.002	
B680632		54		0.001	<0.0005	0.001	
B680633		58		0.001	0.0038	0.001	
B680634		53		0.001	<0.0005	0.001	
B680635		59		0.002	<0.0005	0.001	
B680636		54		0.001	<0.0005	0.001	
B680637		69		0.002	0.0011	0.002	
B680638		68		0.002	0.0009	0.001	
B680639		68		0.001	0.0012	0.001	
B680640		69		0.002	0.0013	0.002	
B680641		79		0.001	<0.0005	0.001	
B680642		72		0.001	<0.0005	0.002	
B680643		79		0.001	<0.0005	0.001	
B680644		66		0.001	<0.0005	0.001	
B680645		76		0.001	0.0005	0.002	
B680646		88		0.001	0.0057	0.003	
B680647		69		0.001	0.0031	0.002	
B680648		79		0.001	0.0015	0.002	
B680649		75		0.002	0.0013	0.002	
B680650		61		0.002	0.0007	0.001	
B680651		58		0.001	0.0038	0.004	
B680652		75		0.059	0.213	0.528	
B680653		66		0.002	0.0045	0.008	
B680654		60		0.002	0.0239	0.035	
B680655		57		0.001	0.0030	0.002	
B680656		64		0.002	0.0231	0.003	
B680657		69		0.001	0.0020	0.002	
B680658		67		0.001	0.0025	0.002	
B680659		81		0.002	0.0012	0.002	
B680660		57		0.001	0.0012	0.002	
B680661		49		0.003	0.0014	0.002	
B680662		52		0.004	0.0024	0.003	
B680663		63		0.003	0.0010	0.002	
B680664		60		0.002	0.0010	0.002	
B680665		58		0.002	0.0011	0.002	
B680666		60		0.001	0.0010	0.002	
B680667		58		0.001	0.0009	0.001	
B680668		75	4.37	0.575	<0.0005	0.079	



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Sample Description	Method Analyte Units LOR	WEI-21	PGM-ICP27	PGM-ICP27	PGM-ICP27	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		Recvd Wt. kg	Au ppm	Pt ppm	Pd ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
B680669		5.82				1.5	6.97	<5	70	<0.5	<2	7.05	<0.5	114	45	7930
B680670		4.48				3.8	10.60	15	170	<0.5	<2	5.32	0.5	55	24	>10000
B680671		5.76				0.5	7.99	<5	60	<0.5	<2	7.70	<0.5	84	53	2620
B680672		4.35				<0.5	10.05	16	60	<0.5	<2	7.62	<0.5	41	77	386
B680673		5.94				2.5	10.50	8	110	<0.5	<2	6.55	0.5	95	59	>10000
B680674		5.27				0.9	10.25	<5	90	<0.5	<2	7.04	<0.5	74	61	4780
B680675		5.65				<0.5	9.42	8	50	<0.5	<2	7.29	<0.5	52	54	225
B680676		3.85				3.9	10.30	10	160	<0.5	<2	5.75	<0.5	80	11	>10000
B680677		3.59				9.6	8.70	10	210	<0.5	12	4.38	1.5	129	<1	>10000
B680678		4.55				5.2	8.85	7	110	<0.5	2	6.44	0.7	161	<1	>10000
B680679		4.91				4.0	9.48	16	100	<0.5	<2	6.56	<0.5	161	2	>10000
B680680		4.96				<0.5	10.20	<5	120	<0.5	<2	6.37	<0.5	64	16	3280
B680681		5.36				<0.5	10.60	16	130	<0.5	<2	6.65	<0.5	41	11	501
B680682		5.69				0.8	10.25	7	140	<0.5	<2	6.40	<0.5	40	17	224
B680683		5.12				<0.5	9.18	10	60	<0.5	<2	6.98	<0.5	59	12	1120
B680684		6.89				<0.5	8.65	8	100	<0.5	<2	5.95	<0.5	115	16	1960
B680685		3.09				1.4	9.82	16	80	<0.5	<2	6.03	<0.5	76	33	7920
B680686		4.71				<0.5	9.87	5	170	<0.5	<2	6.50	<0.5	72	37	2140
B680687		5.94				<0.5	10.00	6	190	<0.5	<2	5.94	<0.5	62	32	653
B680688		5.30				0.7	9.96	<5	220	<0.5	<2	5.48	0.6	79	27	4950
B680689		4.57				2.5	9.84	8	170	<0.5	<2	5.30	1.3	98	20	>10000
B680690		6.35				0.9	9.62	5	240	<0.5	4	5.50	0.8	96	27	7700
B680691		5.97				0.6	9.03	<5	200	<0.5	4	5.58	<0.5	74	24	4380
B680692		5.58				0.6	8.77	7	240	<0.5	2	5.25	0.6	56	133	2860
B680693		4.28				<0.5	10.05	<5	200	<0.5	<2	5.74	<0.5	46	56	1630
B680694		3.50				2.5	10.00	<5	230	<0.5	<2	5.20	0.7	64	21	>10000
B680695		5.70				2.3	9.91	6	160	<0.5	2	7.18	0.9	71	9	>10000
B680696		4.53				<0.5	9.88	<5	220	<0.5	<2	6.48	<0.5	59	17	2130
B680697		3.69				0.5	8.64	11	200	<0.5	<2	5.77	<0.5	59	35	1690
B680698		4.53				<0.5	8.80	9	190	<0.5	<2	5.20	<0.5	58	28	576
B680699		4.75				<0.5	7.72	11	140	<0.5	<2	5.67	<0.5	83	17	561
B680700		3.45				<0.5	6.14	6	120	<0.5	<2	5.98	<0.5	72	37	272
B680701		5.30	<0.03	1.05	<0.03	0.5	6.03	<5	110	<0.5	<2	5.78	<0.5	75	113	89
B680702		2.27				<0.5	6.13	19	100	<0.5	<2	5.49	<0.5	75	131	28
B680703		2.90				<0.5	4.96	<5	110	<0.5	<2	4.73	<0.5	60	195	7
B680704		2.58				<0.5	5.74	<5	140	<0.5	<2	4.85	<0.5	57	156	26
B680705		1.57				<0.5	8.05	<5	520	0.9	<2	4.62	<0.5	23	73	324
B680706		4.28				<0.5	8.02	9	150	<0.5	<2	5.50	<0.5	74	55	1720
B680707		4.57				<0.5	8.11	15	150	<0.5	<2	5.88	<0.5	70	35	1300
B680708		4.16				0.6	9.26	<5	160	<0.5	<2	5.15	<0.5	49	47	2950



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CERTIFICATE OF ANALYSIS TB06079499

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte Units LOR	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	V ppm	W ppm
B680669		16.50	0.49	2.84	1480	74	1.24	267	1920	4	1.08	<5	46	0.26	183	10
B680670		8.27	0.52	0.84	608	8	3.25	194	290	4	2.64	<5	190	0.32	57	<10
B680671		15.15	0.48	2.69	1430	390	1.53	168	3250	3	0.32	<5	60	0.30	183	<10
B680672		7.84	0.24	3.11	1150	6	2.25	78	220	<2	0.06	<5	147	0.26	166	10
B680673		10.80	0.45	1.71	982	71	2.32	252	350	<2	1.87	<5	148	0.25	105	<10
B680674		11.70	0.44	2.21	1160	86	2.23	208	610	2	0.77	<5	138	0.30	145	<10
B680675		9.29	0.28	3.03	1220	1	1.99	116	110	3	0.06	<5	128	0.51	536	<10
B680676		9.77	0.60	0.93	631	138	3.06	258	3870	2	2.54	<5	161	0.23	41	<10
B680677		10.35	0.81	0.29	244	14	3.40	539	8270	<2	6.92	<5	138	0.04	4	10
B680678		14.05	0.58	1.27	900	100	2.05	438	6410	4	3.73	<5	98	0.10	10	<10
B680679		13.95	0.52	1.37	922	145	2.08	517	3470	<2	3.80	<5	114	0.23	31	10
B680680		11.20	0.57	1.39	971	142	2.21	148	300	9	0.53	<5	133	0.64	53	<10
B680681		8.83	0.50	1.08	880	284	2.42	68	60	<2	0.09	5	158	0.49	62	<10
B680682		8.62	0.48	1.02	925	95	2.65	54	30	<2	0.04	5	171	0.62	71	10
B680683		9.38	0.26	2.60	1240	1	1.83	224	130	2	0.54	<5	133	0.58	687	<10
B680684		11.85	0.45	2.31	1210	<1	1.59	867	90	<2	1.44	<5	106	0.53	466	<10
B680685		12.40	0.42	1.65	1420	1	2.24	176	80	6	1.26	<5	144	0.72	110	10
B680686		12.60	0.67	1.76	1300	8	2.15	144	90	<2	0.30	<5	141	0.68	148	10
B680687		12.40	0.72	1.53	1410	5	2.20	97	60	<2	0.11	<5	137	1.15	141	<10
B680688		12.30	0.81	1.44	1285	3	2.29	193	410	3	0.96	<5	137	0.92	114	<10
B680689		11.40	0.62	1.15	960	3	2.47	271	890	6	2.30	<5	155	0.51	84	<10
B680690		13.00	0.91	1.40	1355	47	2.29	245	1400	8	1.41	<5	136	1.16	111	10
B680691		12.55	0.78	1.54	1275	56	2.20	168	3420	3	0.69	<5	128	0.99	122	<10
B680692		11.20	0.90	2.36	1150	31	1.95	153	2760	7	0.42	<5	188	0.81	134	<10
B680693		11.50	0.75	1.78	1375	20	2.25	119	1150	5	0.24	<5	166	1.22	153	<10
B680694		8.75	0.77	0.88	957	<1	2.71	333	2580	<2	2.82	<5	213	0.52	84	<10
B680695		10.90	0.64	1.23	844	6	2.23	308	9640	4	2.21	<5	190	0.18	60	10
B680696		11.25	0.78	1.66	1105	19	2.48	137	3360	8	0.33	<5	179	0.36	108	<10
B680697		12.00	0.73	2.10	1130	4	1.74	139	880	<2	0.33	<5	122	0.41	177	<10
B680698		12.10	0.77	2.14	1160	17	2.22	122	1250	<2	0.12	<5	149	0.29	165	10
B680699		15.65	0.69	2.41	1230	33	1.39	248	70	<2	0.37	<5	66	0.28	150	<10
B680700		16.35	0.59	3.24	1490	42	0.94	161	110	<2	0.05	<5	16	0.81	248	<10
B680701		16.05	0.58	3.64	1610	7	0.97	159	30	<2	0.02	<5	27	0.64	245	<10
B680702		15.35	0.56	4.36	1620	2	1.05	152	20	<2	0.01	<5	48	0.51	244	<10
B680703		14.40	0.58	5.98	2030	<1	0.53	138	20	<2	<0.01	<5	8	0.46	152	<10
B680704		13.05	0.66	5.43	1720	<1	0.89	109	10	<2	<0.01	<5	62	0.43	147	10
B680705		5.00	0.55	2.14	549	1	2.96	61	1050	<2	0.19	<5	906	0.41	98	<10
B680706		13.75	0.65	2.32	1390	44	1.70	157	2790	<2	0.24	<5	82	0.89	210	10
B680707		13.65	0.63	2.20	1320	55	1.69	156	3940	3	0.19	<5	86	0.80	171	<10
B680708		11.70	0.59	1.72	1240	27	2.38	126	1460	<2	0.41	<5	155	1.36	188	10



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CERTIFICATE OF ANALYSIS TB06079499

Sample Description	Method	ME-ICP61	Cu-AA62	PGM-MS24	PGM-MS24	PGM-MS24	Au-AA26
	Analyte	Zn	Cu	Au	Pt	Pd	Au
	Units LOR	ppm	%	ppm	ppm	ppm	ppm
		2	0.01	0.001	0.0005	0.001	0.01
B680669		146		0.201	0.0064	0.022	
B680670		95	1.76	0.190	0.0041	0.023	
B680671		108		0.044	<0.0005	0.012	
B680672		82		0.007	0.0020	0.003	
B680673		158	1.40	0.126	0.0052	0.006	
B680674		111		0.051	0.0024	0.002	
B680675		68		0.005	0.0015	0.002	
B680676		146	1.77	0.300	0.0059	0.007	
B680677		250	4.46	>1.00	0.0018	0.026	1.56
B680678		229	2.62	>1.00	0.0033	0.018	1.15
B680679		178	2.12	0.366	0.0853	0.023	
B680680		82		0.041	0.0105	0.009	
B680681		55		0.010	0.0049	0.009	
B680682		52		0.005	0.0031	0.007	
B680683		79		0.016	0.0236	0.057	
B680684		79		0.033	0.0780	0.168	
B680685		97		0.283	0.0554	0.009	
B680686		85		0.100	0.0357	0.004	
B680687		74		0.016	0.0140	0.005	
B680688		100		0.074	0.0108	0.014	
B680689		141	1.60	0.216	0.0069	0.031	
B680690		111		0.110	0.0129	0.014	
B680691		110		0.099	0.0154	0.008	
B680692		94		0.052	0.0140	0.005	
B680693		85		0.018	0.0229	0.003	
B680694		90	1.52	0.182	0.0128	0.018	
B680695		97	1.35	0.260	0.0375	0.019	
B680696		94		0.049	0.0486	0.009	
B680697		85		0.023	0.0676	0.007	
B680698		71		0.014	0.117	0.004	
B680699		73		0.012	0.0477	0.002	
B680700		72		0.007	0.137	0.002	
B680701		77		0.003	>1.00	0.001	
B680702		80		0.001	0.759	0.005	
B680703		84		0.002	0.110	0.182	
B680704		83		0.001	0.331	0.009	
B680705		46		0.008	0.0044	0.002	
B680706		111		0.024	0.0016	0.015	
B680707		97		0.019	0.123	0.016	
B680708		80		0.303	0.0340	0.019	



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CERTIFICATE OF ANALYSIS TB06079499

Sample Description	Method Analyte Units LOR	WEI-21	PGM-ICP27	PGM-ICP27	PGM-ICP27	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Au ppm	Pt ppm	Pd ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
B680709		0.02	0.03	0.03	0.03	0.5	0.01	5	10	0.5	2	0.01	0.5	55	60	829
B680710		3.42				<0.5	8.58	9	190	<0.5	<2	5.39	<0.5	68	26	759
B680711		5.23				<0.5	6.78	<5	130	<0.5	<2	6.17	<0.5	72	38	2150
B680712		1.70				0.7	7.29	11	200	<0.5	<2	6.03	<0.5	74	142	2470
B680713		3.62				0.5	5.91	7	120	<0.5	<2	5.71	<0.5	70	197	115
B680714		5.47				<0.5	5.99	7	180	<0.5	<2	5.10	<0.5	72	132	1220
B680715		4.94				<0.5	5.44	<5	40	<0.5	<2	6.90	<0.5	64	191	137
B680716		5.53				<0.5	5.07	<5	70	<0.5	<2	5.84	<0.5	70	210	821
B680717		5.01				<0.5	4.89	9	70	<0.5	<2	6.62	<0.5	24	70	125
B680718		1.79				<0.5	8.11	9	460	0.9	<2	4.51	<0.5	102	208	4410
B680719		2.71				1.2	4.76	<5	80	<0.5	<2	6.61	<0.5	78	219	500
B680720		2.67				<0.5	5.10	<5	80	<0.5	<2	6.53	<0.5	63	182	1130
B680721		3.67				<0.5	5.30	11	40	<0.5	<2	6.87	<0.5	58	173	355
B680722		4.28				<0.5	4.66	<5	60	<0.5	<2	6.12	<0.5	51	228	152
B680723		2.64				0.6	6.14	<5	70	<0.5	<2	5.89	<0.5	54	646	20
B680724		0.56				<0.5	6.10	<5	190	0.6	<2	5.69	<0.5	54	96	687
B680725		1.26				<0.5	8.54	<5	120	<0.5	<2	6.98	<0.5	48	76	223
B680726		3.90				<0.5	7.88	<5	50	<0.5	<2	7.05	<0.5	62	486	486
B680727		3.38				<0.5	8.15	6	40	<0.5	<2	7.11	<0.5	67	259	259
B680728		3.22				<0.5	8.01	<5	60	<0.5	<2	6.65	<0.5	55	182	385
B680728		4.07				<0.5	7.28	<5	180	<0.5	3	5.62	<0.5	49	132	371
B680729		3.95				<0.5	8.17	<5	290	0.5	<2	6.58	<0.5	37	448	72
B680730		4.54				<0.5	8.14	<5	420	1.2	<2	7.27	<0.5	42	481	115
B680731		3.92				0.5	8.06	<5	570	1.2	<2	6.43	<0.5	49	546	60
B680732		3.49				<0.5	6.95	<5	430	0.8	2	6.68	<0.5	37	180	65
B680733		3.54				<0.5	8.08	<5	470	0.6	2	5.78	<0.5	31	254	46
B680734		2.73				<0.5	8.38	<5	480	0.9	3	5.93	<0.5	36	336	110
B680735		3.54				<0.5	7.97	<5	390	0.8	<2	6.25	<0.5	53	179	240
B680736		2.15				<0.5	7.25	<5	340	<0.5	<2	5.55	<0.5	54	64	51
B680737		2.79				<0.5	7.97	<5	220	<0.5	<2	6.28	<0.5	47	63	26
B680738		2.08				<0.5	7.37	<5	60	<0.5	<2	5.87	<0.5	51	51	47
B680739		4.55				<0.5	7.66	<5	40	<0.5	<2	6.37	<0.5	55	51	291
B680740		5.67				<0.5	7.77	<5	30	<0.5	3	6.74	<0.5	50	46	217
B680741		3.65				<0.5	7.45	<5	40	<0.5	<2	6.75	<0.5	51	49	137
B680742		3.70				<0.5	7.90	<5	40	<0.5	2	7.27	<0.5	52	53	500
B680743		4.25				<0.5	7.91	<5	30	<0.5	2	7.26	<0.5	47	47	85
B680744		4.27				<0.5	7.08	<5	30	<0.5	2	6.59	<0.5	50	50	149
B680745		4.16				<0.5	7.69	9	40	<0.5	<2	6.99	<0.5	54	55	1080
B680746		4.26				<0.5	7.42	<5	40	<0.5	2	6.49	<0.5			



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CERTIFICATE OF ANALYSIS TB06079499

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W
		%	%	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
B680709		12.00	0.70	2.10	1210	1	1.93	120	490	<2	0.09	<5	128	0.44	244	10
B680710		15.70	0.64	3.12	1440	2	0.98	144	160	3	0.08	9	28	0.46	205	<10
B680711		17.05	0.83	3.08	1630	4	1.04	183	180	<2	0.29	<5	20	0.99	247	<10
B680712		14.80	0.60	4.04	1480	6	0.94	294	150	<2	0.49	<5	29	0.51	193	<10
B680713		14.35	0.77	4.96	1800	9	0.99	268	310	3	0.10	<5	42	0.73	174	10
B680714		16.05	0.29	4.04	1590	32	0.85	172	460	3	0.19	<5	19	0.40	267	<10
B680715		13.70	0.38	5.06	1860	1	0.78	205	50	<2	0.08	<5	29	0.54	217	10
B680716		11.20	0.30	5.33	1650	1	0.87	551	140	<2	0.67	<5	69	0.43	243	<10
B680717		5.04	0.59	2.07	583	<1	2.94	92	1090	<2	0.10	6	886	0.41	98	<10
B680718		11.90	0.32	5.45	1660	<1	0.87	1100	110	<2	1.45	<5	79	0.49	288	<10
B680719		12.30	0.30	5.92	1980	2	1.00	567	110	<2	0.78	<5	73	0.50	243	10
B680720		10.65	0.20	5.38	1650	2	1.04	379	110	<2	0.41	<5	81	0.47	269	<10
B680721		10.75	0.27	5.57	1790	1	0.88	323	100	<2	0.30	<5	67	0.43	231	<10
B680722		11.70	0.30	4.51	1700	2	1.37	104	20	<2	0.05	<5	108	0.23	164	<10
B680723		8.91	0.76	7.80	1480	<1	1.00	406	890	<2	<0.01	9	111	0.33	156	<10
B680724		8.49	0.35	3.80	1330	1	2.30	284	50	5	0.27	7	259	0.53	405	<10
B680725		9.30	0.24	3.82	1605	<1	2.06	157	30	5	0.08	8	192	0.85	445	10
B680726		9.41	0.20	3.64	1685	<1	2.18	193	30	5	0.18	<5	187	0.82	458	<10
B680727		10.90	0.32	3.43	1780	<1	2.21	191	40	6	0.10	<5	190	1.00	489	<10
B680728		10.05	0.67	4.00	1550	1	1.68	236	240	8	0.15	<5	185	0.80	397	<10
B680729		9.06	0.64	4.11	1425	1	2.40	127	410	4	0.19	5	371	0.73	344	<10
B680730		5.43	0.89	5.34	940	1	2.74	196	1750	11	0.20	<5	1150	0.30	123	<10
B680731		5.86	1.28	6.07	979	1	2.71	227	1760	8	0.22	<5	872	0.34	137	<10
B680732		7.39	1.26	7.10	1345	1	1.68	260	1000	4	0.07	<5	385	0.43	201	<10
B680733		7.62	0.96	4.51	1260	1	2.82	70	700	4	0.11	<5	473	0.51	228	<10
B680734		5.70	0.99	4.65	853	<1	3.18	67	1060	10	0.11	<5	643	0.46	165	<10
B680735		6.57	0.80	5.17	1080	<1	2.87	110	970	7	0.09	<5	494	0.42	170	<10
B680736		9.29	0.75	4.05	1530	2	1.75	174	180	5	0.10	5	188	0.80	436	<10
B680737		11.05	0.57	3.94	1935	1	1.98	83	60	5	0.04	<5	183	0.98	441	<10
B680738		10.65	0.26	3.51	2020	<1	2.08	60	50	7	0.03	<5	165	0.95	286	<10
B680739		10.85	0.20	3.19	1950	1	1.98	77	110	6	0.04	<5	158	0.92	420	<10
B680740		11.30	0.20	3.33	1955	2	2.05	156	120	12	0.12	<5	170	0.95	440	<10
B680741		10.85	0.20	3.31	1885	1	1.97	101	120	8	0.12	<5	169	0.90	404	<10
B680742		11.20	0.19	3.34	1950	1	2.11	96	110	3	0.07	<5	180	1.00	447	<10
B680743		11.05	0.18	3.34	1900	1	2.12	126	120	5	0.08	<5	177	0.98	456	<10
B680744		10.15	0.14	3.13	1825	1	1.91	61	100	5	0.02	<5	157	0.92	430	<10
B680745		11.20	0.15	3.20	2010	1	2.23	98	140	7	0.03	<5	171	1.04	467	<10
B680746		11.20	0.15	3.39	2120	1	2.06	191	150	4	0.19	6	168	0.95	421	<10



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Sample Description	Method Analyte Units LOR	ME-ICP61	Cu-AA62	PGM-MS24	PGM-MS24	PGM-MS24	Au-AA26
		Zn	Cu	Au	Pt	Pd	Au
		ppm	%	ppm	ppm	ppm	ppm
		2	0.01	0.001	0.0005	0.001	0.01
B680709		79		0.011	0.0391	0.002	
B680710		86		0.010	0.104	0.002	
B680711		111		0.043	0.0158	0.004	
B680712		94		0.109	0.117	0.108	
B680713		92		0.004	0.0866	0.154	
B680714		97		0.026	0.522	0.002	
B680715		92		0.002	0.110	0.034	
B680716		84		0.010	0.0607	0.152	
B680717		46		0.001	0.0030	0.005	
B680718		106		0.074	0.118	0.268	
B680719		84		0.003	0.0481	0.124	
B680720		88		0.016	0.0493	0.114	
B680721		82		0.005	0.0656	0.210	
B680722		83		0.002	0.352	0.003	
B680723		109		0.001	0.241	0.031	
B680724		80		0.013	0.0954	0.188	
B680725		82		0.005	0.0337	0.053	
B680726		85		0.010	0.0361	0.083	
B680727		92		0.004	0.0213	0.037	
B680728		102		0.005	0.0338	0.066	
B680729		91		0.006	0.0092	0.036	
B680730		73		0.002	0.0052	0.007	
B680731		80		0.002	0.0056	0.008	
B680732		102		0.001	0.0047	0.007	
B680733		116		0.001	0.0187	0.029	
B680734		76		0.001	0.0032	0.003	
B680735		94		0.001	0.0035	0.006	
B680736		110		0.003	0.0128	0.039	
B680737		115		0.001	0.0028	0.004	
B680738		100		0.001	0.0015	0.005	
B680739		98		0.002	0.0053	0.388	
B680740		113		0.006	0.0246	0.048	
B680741		107		0.003	0.119	0.034	
B680742		114		0.003	0.0153	0.014	
B680743		109		0.007	0.0153	0.041	
B680744		102		0.003	0.0028	0.009	
B680745		111		0.002	0.0077	0.021	
B680746		120		0.015	0.0254	0.070	



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Page: 1
Finalized Date: 15-SEP-2006
Account: METCOR

CERTIFICATE TB06081177

Project: NORTH ROCK

P.O. No.:

This report is for 186 Channel samples submitted to our lab in Thunder Bay, ON, Canada on 28-AUG-2006.

The following have access to data associated with this certificate:

MITCH DUMOULIN

AUBREY J. EVELEIGH

A.D. MACTAVISH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
PGM-ICP27	Ore grade Pt, Pd and Au by ICP	ICP-AES
ME-ICP61	27 element four acid ICP-AES	ICP-AES
PGM-MS24	Pt, Pd and Au 50g FA ICP-MS	ICP-MS

To: METAL CORP LTD
ATTN: AUBREY J. EVELEIGH
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Keith Rogers, Executive Manager Vancouver Laboratory



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CERTIFICATE OF ANALYSIS TB06081177

Sample Description	Method Analyte Units LOR	WEI-21	PGM-ICP27	PGM-ICP27	PGM-ICP27	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Au ppm	Pt ppm	Pd ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
B680850		3.46	0.03	0.03	0.03	0.5	0.01	5	10	<0.5	3	5.43	<0.5	170	1585	3270
B680851		5.66				4.9	2.66	<5	10	<0.5	<2	2.80	<0.5	147	1920	2460
B680852		4.53				<0.5	2.73	<5	10	<0.5	<2	2.75	<0.5	104	1775	286
B680853		4.51				0.8	3.23	<5	10	<0.5	3	3.40	<0.5	116	1550	635
B680854		5.20				<0.5	3.34	<5	10	<0.5	2	3.91	<0.5	95	1570	100
B680855		4.45				0.6	3.94	<5	20	<0.5	<2	5.98	<0.5	86	644	390
B680856		4.68				<0.5	7.22	<5	50	<0.5	<2	4.30	<0.5	64	141	297
B680857		2.60				1.6	6.98	<5	60	<0.5	<2	5.69	<0.5	135	162	732
B680858		3.02				0.7	7.06	<5	60	<0.5	<2	6.45	<0.5	64	595	383
B680859		2.68				<0.5	7.19	<5	70	<0.5	<2	6.27	<0.5	68	478	517
B680860		2.31				<0.5	7.77	<5	80	0.6	<2	5.73	<0.5	80	87	302
B680861		2.35				<0.5	9.37	<5	90	0.7	3	6.46	<0.5	60	63	299
B680862		2.31				<0.5	10.05	13	120	0.9	2	6.39	<0.5	72	45	907
B680863		4.46				<0.5	2.96	15	10	<0.5	<2	2.96	<0.5	108	1660	639
B680864		3.53				0.6	3.07	11	20	<0.5	<2	5.28	<0.5	105	926	487
B680865		3.80				0.7	3.48	6	10	<0.5	<2	3.48	<0.5	127	1520	2020
B680866		3.49				<0.5	3.45	<5	10	<0.5	<2	4.29	<0.5	101	1420	222
B680867		4.71				0.6	2.88	6	10	<0.5	7	3.31	<0.5	130	1690	1100
B680868		2.71				<0.5	6.65	6	70	<0.5	2	5.70	<0.5	64	388	345
B680869		4.24				<0.5	6.19	14	40	<0.5	3	6.51	<0.5	75	744	388
B680870		1.58				<0.5	6.70	<5	70	<0.5	<2	6.27	<0.5	79	709	851
B680871		2.39				<0.5	10.05	<5	170	<0.5	<2	6.24	<0.5	42	94	341
B680872		0.60				<0.5	7.14	<5	40	0.7	<2	5.60	<0.5	39	5	130
B680873		2.52				<0.5	10.70	<5	120	<0.5	2	6.66	<0.5	69	28	633
B680874		2.46				<0.5	10.80	<5	110	0.5	2	6.17	<0.5	123	37	1240
B680875		0.79				<0.5	10.75	6	100	<0.5	<2	6.97	<0.5	96	74	492
B680876		3.73				<0.5	11.00	9	140	<0.5	<2	5.66	<0.5	43	22	620
B680877		2.74				<0.5	10.40	12	90	<0.5	<2	6.74	<0.5	76	41	514
B680878		4.13				<0.5	10.35	18	110	<0.5	<2	6.01	<0.5	76	21	655
B680879		3.25				<0.5	10.20	<5	120	0.5	<2	6.24	<0.5	69	20	1590
B680880		3.67				0.5	10.60	<5	110	<0.5	<2	6.92	<0.5	117	31	484
B680881		2.93				<0.5	10.55	<5	100	<0.5	<2	6.70	<0.5	101	51	553
B680882		2.49				<0.5	10.05	6	70	<0.5	2	7.12	<0.5	85	48	494
B680883		2.86				<0.5	10.15	10	100	<0.5	<2	7.25	<0.5	73	60	491
B680884		2.85				<0.5	10.00	<5	120	<0.5	<2	6.86	<0.5	65	64	461
B680885		2.00				<0.5	10.10	9	110	<0.5	<2	7.11	<0.5	69	58	377
B680886		1.07				<0.5	9.94	<5	150	<0.5	4	6.02	<0.5	40	95	234
B680887		2.27				<0.5	9.77	8	170	<0.5	<2	6.63	<0.5	53	73	226
B680888		3.19				<0.5	9.53	8	110	<0.5	<2	6.05	<0.5	55	84	187
B680889		2.44				<0.5	10.10	7	80	<0.5	<2	6.64	<0.5	59	42	345



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Project: NORTH ROCK

CERTIFICATE OF ANALYSIS TB06081177

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	V ppm	W ppm
B680850		18.00	0.02	8.94	2190	1	0.07	1140	390	3	0.93	5	8	0.52	417	<10
B680851		18.50	0.03	9.93	2460	<1	0.08	1250	330	4	0.74	<5	3	0.50	365	<10
B680852		17.45	0.04	10.15	2750	1	0.12	750	180	<2	0.18	7	3	0.61	385	<10
B680853		16.90	0.04	9.91	2450	1	0.14	809	200	<2	0.33	5	4	0.64	393	10
B680854		15.30	0.04	9.83	2470	1	0.16	612	240	3	0.14	<5	5	0.57	330	<10
B680855		14.80	0.14	7.78	2030	2	0.49	402	870	3	0.11	8	15	0.66	615	<10
B680856		12.20	0.35	4.54	1885	3	2.37	148	50	7	0.20	<5	128	1.18	316	<10
B680857		12.35	0.46	4.35	1600	1	1.86	473	1130	55	1.41	10	110	0.30	260	<10
B680858		10.60	0.44	5.01	1830	1	1.62	209	260	7	0.16	7	112	0.45	293	<10
B680859		11.15	0.47	4.58	1670	1	1.55	257	230	7	0.30	<5	105	0.48	335	<10
B680860		11.80	0.54	3.99	1685	5	2.05	286	1090	18	0.57	5	127	0.88	339	<10
B680861		9.27	0.60	2.94	1230	4	2.43	171	470	<2	0.36	<5	194	0.44	228	<10
B680862		9.30	0.79	2.64	1160	3	2.44	216	330	5	0.60	6	215	0.34	242	<10
B680863		17.35	0.05	9.93	2500	<1	0.15	783	380	16	0.18	<5	6	0.58	348	<10
B680864		16.45	0.13	8.54	2320	1	0.30	638	3540	<2	0.17	8	17	0.43	370	<10
B680865		17.60	0.03	9.78	2310	<1	0.12	909	310	<2	0.45	<5	5	0.53	365	<10
B680866		16.00	0.05	9.43	2350	1	0.18	673	320	9	0.05	6	7	0.55	321	<10
B680867		17.75	0.06	9.07	2900	<1	0.19	817	410	5	0.50	<5	6	0.76	354	10
B680868		13.10	0.38	4.37	1715	1	1.84	160	220	5	0.10	<5	137	0.61	350	<10
B680869		11.95	0.22	5.66	2050	<1	1.31	248	230	3	0.08	<5	82	0.49	329	10
B680870		11.65	0.42	4.91	1880	<1	1.50	373	430	3	0.33	<5	109	0.57	349	10
B680871		8.15	0.98	2.34	1205	6	2.70	109	200	2	0.11	<5	260	0.45	167	<10
B680872		12.15	0.34	1.61	1640	<1	1.59	35	3210	4	0.21	<5	71	1.31	43	<10
B680873		9.89	0.66	2.80	1465	2	2.35	204	410	6	0.52	<5	191	1.06	328	<10
B680874		10.20	0.61	2.25	1345	2	2.41	385	1550	7	1.10	<5	208	1.27	320	<10
B680875		10.20	0.58	3.11	1245	<1	2.28	410	1170	2	0.93	<5	189	0.67	409	<10
B680876		7.82	0.53	1.24	854	<1	3.21	118	3320	2	0.34	<5	265	0.93	197	<10
B680877		10.20	0.44	2.58	1245	<1	2.42	260	1250	10	0.51	<5	174	0.96	527	<10
B680878		9.39	0.52	2.06	872	4	2.58	280	2170	8	0.72	<5	208	0.30	294	<10
B680879		9.09	0.57	2.18	891	<1	2.61	201	2710	4	0.67	5	218	0.18	290	<10
B680880		10.30	0.50	2.27	1295	1	2.45	578	4060	5	1.32	<5	183	1.33	472	<10
B680881		10.60	0.49	2.58	1435	4	2.40	455	770	7	1.02	6	187	1.32	418	<10
B680882		10.40	0.34	3.24	1425	<1	2.12	440	610	6	0.75	6	145	0.62	297	<10
B680883		10.20	0.49	3.33	1475	<1	2.23	371	730	13	0.50	<5	179	0.78	403	<10
B680884		10.05	0.62	3.18	1440	2	2.19	318	540	6	0.38	<5	189	0.75	299	<10
B680885		9.92	0.52	3.18	1390	<1	2.09	357	1590	10	0.35	<5	182	0.70	345	<10
B680886		11.15	0.63	3.13	1565	<1	2.02	143	830	<2	0.03	<5	147	0.69	261	10
B680887		9.63	0.68	3.40	1575	<1	1.99	192	450	6	0.13	<5	221	0.66	246	<10
B680888		9.46	0.46	3.55	1410	2	1.90	218	250	2	0.17	<5	183	0.12	195	<10
B680889		8.99	0.41	3.14	1335	1	2.21	302	1100	2	0.35	<5	192	0.11	247	<10



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Project: NORTH ROCK

CERTIFICATE OF ANALYSIS TB06081177

Sample Description	Method	ME-ICP61	PGM-MS24	PGM-MS24	PGM-MS24
	Analyte	Zn	Au	Pt	Pd
	Units LOR	ppm	ppm	ppm	ppm
		2	0.001	0.0005	0.001
B680850		105	0.035	0.0444	0.140
B680851		113	0.033	0.0668	0.168
B680852		126	0.004	0.0131	0.042
B680853		121	0.007	0.0148	0.104
B680854		125	0.002	0.0051	0.010
B680855		108	0.005	0.0330	0.082
B680856		90	0.002	0.0321	0.026
B680857		213	0.004	0.0109	0.075
B680858		101	0.006	0.0118	0.019
B680859		94	0.014	0.0433	0.062
B680860		81	0.004	0.0377	0.042
B680861		66	0.008	0.0979	0.033
B680862		72	0.007	0.166	0.042
B680863		130	0.006	0.0095	0.030
B680864		127	0.019	0.0066	0.046
B680865		151	0.011	0.0422	0.035
B680866		146	0.003	0.0037	0.009
B680867		147	0.010	0.0250	0.041
B680868		91	0.003	0.0063	0.026
B680869		112	0.003	0.0054	0.010
B680870		121	0.012	0.0274	0.077
B680871		82	0.010	0.107	0.072
B680872		82	0.001	<0.0005	0.001
B680873		80	0.006	0.0024	0.050
B680874		67	0.007	0.0140	0.166
B680875		83	0.002	0.0029	0.033
B680876		43	0.006	0.0388	0.110
B680877		73	0.002	0.0381	0.041
B680878		55	0.016	0.0256	0.117
B680879		60	0.025	0.0259	0.175
B680880		65	0.007	0.0391	0.104
B680881		68	0.005	0.0356	0.095
B680882		66	0.003	0.0444	0.093
B680883		73	0.002	0.0489	0.039
B680884		70	0.003	0.0513	0.036
B680885		66	0.004	0.0585	0.065
B680886		71	0.003	0.0481	0.033
B680887		67	0.001	0.0521	0.014
B680888		61	0.001	0.0452	0.006
B680889		50	0.006	0.0550	0.124



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Project: NORTH ROCK

CERTIFICATE OF ANALYSIS TB06081177

Sample Description	Method Analyte Units LOR	WEI-21	PGM-ICP27	PGM-ICP27	PGM-ICP27	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Au ppm	Pt ppm	Pd ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.03	0.03	0.03	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1
B680890		1.65				<0.5	9.89	<5	100	<0.5	<2	6.33	<0.5	56	117	197
B680891		3.89				<0.5	10.80	8	80	<0.5	<2	7.90	<0.5	48	119	167
B680892		2.70				<0.5	9.91	9	90	<0.5	<2	7.01	<0.5	59	100	190
B680893		2.07				<0.5	10.65	10	100	<0.5	<2	6.34	<0.5	131	38	1420
B680894		2.45				<0.5	9.03	<5	110	<0.5	<2	5.53	<0.5	65	190	197
B680895		3.64				<0.5	9.94	7	90	<0.5	4	6.76	<0.5	91	33	560
B680896		3.25				<0.5	9.72	12	90	<0.5	<2	6.47	<0.5	128	31	1270
B680897		2.74				<0.5	10.45	<5	110	<0.5	<2	6.90	<0.5	82	31	435
B680898		3.34				<0.5	8.60	<5	100	<0.5	<2	5.67	<0.5	105	32	480
B680899		3.99				<0.5	8.62	<5	100	<0.5	<2	6.29	<0.5	82	38	891
B680900		3.43				<0.5	8.26	<5	70	<0.5	<2	5.95	<0.5	60	45	505
B680901		4.36				<0.5	8.72	<5	90	<0.5	<2	6.49	<0.5	61	57	305
B680902		4.17				<0.5	8.62	<5	60	<0.5	<2	6.96	<0.5	46	58	237
B680903		3.15				<0.5	9.09	<5	70	<0.5	<2	6.68	<0.5	83	64	536
B680904		3.62				<0.5	9.05	<5	80	<0.5	<2	6.72	<0.5	56	53	224
B680905		4.34				<0.5	8.89	<5	60	<0.5	<2	5.94	<0.5	60	63	315
B680906		2.32				<0.5	9.03	<5	70	<0.5	<2	6.41	<0.5	64	70	277
B680907		2.64				<0.5	9.32	11	170	<0.5	<2	5.82	<0.5	71	47	192
B680908		2.13				<0.5	8.05	<5	90	<0.5	<2	5.88	<0.5	46	83	89
B680909		1.64				<0.5	8.90	<5	140	<0.5	<2	6.55	<0.5	36	64	73
B680910		3.48				<0.5	9.04	<5	120	<0.5	<2	6.70	<0.5	40	90	81
B680911		1.25				<0.5	9.49	<5	190	<0.5	<2	6.35	<0.5	57	52	313
B680912		3.33				<0.5	9.41	<5	160	<0.5	<2	5.17	<0.5	41	44	112
B680913		2.21				<0.5	9.69	<5	120	<0.5	<2	6.00	<0.5	36	48	136
B680914		2.93				<0.5	9.48	<5	90	<0.5	<2	6.16	<0.5	42	60	97
B680915		2.79				<0.5	8.92	9	80	<0.5	<2	5.35	<0.5	36	108	42
B680916		3.24				<0.5	8.00	<5	100	<0.5	<2	6.17	<0.5	45	87	67
B680917		2.95				<0.5	7.95	9	60	<0.5	<2	6.73	<0.5	64	94	527
B680918		2.17				<0.5	8.24	7	60	<0.5	<2	6.69	<0.5	72	103	1395
B680919		2.11				<0.5	9.05	<5	90	<0.5	<2	5.93	<0.5	60	83	341
B680920		2.16				<0.5	8.77	<5	90	<0.5	<2	5.96	<0.5	43	75	158
B680921		2.98				<0.5	8.87	5	90	<0.5	<2	6.22	<0.5	43	97	159
B680922		2.09				<0.5	9.85	6	80	<0.5	<2	7.19	<0.5	33	62	117
B680923		4.08				<0.5	9.70	<5	120	<0.5	<2	6.16	<0.5	96	39	2380
B680924		2.80				<0.5	8.64	<5	110	<0.5	<2	5.57	<0.5	38	86	135
B680925		2.34				<0.5	8.82	<5	90	0.7	<2	7.29	<0.5	46	100	126
B680926		1.65				<0.5	9.46	<5	120	0.6	<2	6.27	<0.5	35	75	795
B680927		3.69				1.0	9.26	<5	130	<0.5	<2	5.16	0.5	55	18	2300
B680928		3.80				<0.5	9.79	14	100	<0.5	<2	5.49	<0.5	52	23	1225
B680929		2.60				0.9	7.30	20	100	<0.5	<2	5.89	0.7	79	75	2720



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CERTIFICATE OF ANALYSIS TB06081177

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	V ppm	W ppm
B680890		9.05	0.55	3.34	1345	1	1.96	225	740	3	0.25	<5	171	0.07	162	<10
B680891		8.77	0.35	2.67	1270	<1	2.17	85	350	9	0.12	<5	184	0.82	458	<10
B680892		9.28	0.37	2.54	1345	<1	2.20	139	810	<2	0.22	<5	152	0.95	436	<10
B680893		10.35	0.54	1.83	1285	15	2.45	351	2370	7	1.29	<5	193	1.17	257	<10
B680894		10.60	0.56	3.53	1305	<1	1.88	171	330	2	0.13	<5	102	0.68	302	<10
B680895		9.17	0.55	2.26	942	2	2.33	373	1030	<2	0.99	<5	206	0.22	300	<10
B680896		9.92	0.53	2.82	982	<1	2.13	617	1210	6	1.67	<5	188	0.07	303	<10
B680897		9.52	0.60	2.86	1045	<1	2.23	342	1320	5	0.78	<5	188	0.18	331	<10
B680898		9.18	0.55	2.40	1060	<1	2.07	519	1310	2	1.44	<5	163	0.72	331	<10
B680899		10.25	0.63	2.44	1335	4	1.91	374	1710	<2	0.96	<5	159	1.17	503	<10
B680900		10.80	0.42	2.81	1410	55	2.12	288	1480	<2	0.48	<5	126	0.85	340	<10
B680901		9.05	0.58	3.22	1215	<1	2.14	332	940	<2	0.49	<5	148	0.34	300	<10
B680902		8.78	0.33	3.43	1195	<1	1.85	223	730	3	0.30	<5	132	0.12	312	10
B680903		9.35	0.40	3.37	1355	<1	2.00	449	770	<2	0.88	<5	144	0.56	287	10
B680904		9.18	0.44	3.37	1350	1	1.94	283	870	<2	0.32	<5	139	0.34	232	<10
B680905		9.82	0.36	3.60	1290	3	2.07	301	710	<2	0.49	<5	135	0.06	242	<10
B680906		9.74	0.43	3.49	1405	<1	1.94	297	670	5	0.43	<5	160	0.13	192	<10
B680907		8.45	0.89	2.96	1260	<1	2.29	221	400	18	0.49	<5	202	0.14	341	<10
B680908		9.34	0.58	3.03	1230	<1	1.73	126	350	3	0.19	<5	136	0.08	327	<10
B680909		7.92	0.78	2.90	1240	1	1.82	109	140	5	0.10	<5	131	0.18	309	<10
B680910		8.48	0.70	2.96	1270	<1	1.74	102	350	<2	0.06	<5	133	0.08	133	<10
B680911		7.61	1.00	2.36	1085	1	2.04	153	200	6	0.40	<5	179	0.12	143	<10
B680912		7.43	0.86	2.42	1020	1	2.47	93	170	7	0.07	<5	192	0.20	216	<10
B680913		6.94	0.71	2.21	905	1	2.47	84	240	<2	0.05	<5	206	0.13	253	<10
B680914		8.81	0.48	3.19	1270	<1	2.10	110	270	<2	0.06	<5	159	0.11	247	<10
B680915		8.75	0.37	3.40	1335	<1	2.10	66	40	<2	0.02	<5	140	0.37	236	<10
B680916		9.96	0.47	4.58	1600	1	1.44	130	60	<2	0.05	<5	107	0.32	244	<10
B680917		10.05	0.30	5.03	1635	<1	1.43	265	160	<2	0.19	<5	113	0.27	207	<10
B680918		10.75	0.33	5.01	1695	<1	1.58	313	120	<2	0.28	<5	120	0.25	225	10
B680919		9.49	0.45	3.44	1335	4	1.92	271	660	<2	0.54	<5	171	0.11	206	<10
B680920		9.00	0.39	3.07	1255	<1	1.93	137	230	<2	0.06	<5	130	0.12	160	<10
B680921		9.77	0.43	2.91	1270	2	1.68	121	340	<2	0.08	<5	95	0.10	232	10
B680922		7.02	0.35	2.38	1030	1	2.28	80	310	<2	0.07	5	146	0.06	126	<10
B680923		8.22	0.52	2.04	849	<1	2.28	255	580	<2	1.38	<5	146	0.20	186	<10
B680924		8.38	0.51	2.96	1085	<1	1.83	85	40	<2	0.09	<5	119	0.18	155	<10
B680925		9.80	0.46	3.64	1395	1	1.31	92	70	<2	0.09	<5	96	0.40	214	<10
B680926		7.41	0.46	2.18	994	<1	2.23	70	50	<2	0.06	<5	180	0.20	150	10
B680927		11.30	0.43	3.03	1325	13	1.78	86	70	<2	0.35	<5	140	0.12	142	<10
B680928		10.50	0.36	3.02	1275	7	2.05	94	170	<2	0.07	<5	160	0.10	168	<10
B680929		11.80	0.47	4.60	1560	86	1.15	290	430	<2	0.47	<5	72	0.24	201	<10



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CERTIFICATE OF ANALYSIS TB06081177

Sample Description	Method Analyte Units LOR	ME-ICP61	PGM-MS24	PGM-MS24	PGM-MS24
		Zn	Au	Pt	Pd
		ppm	ppm	ppm	ppm
		2	0.001	0.0005	0.001
B680890		53	0.002	0.0474	0.026
B680891		58	0.004	0.0051	0.020
B680892		70	0.001	0.0023	0.012
B680893		60	0.006	0.0053	0.092
B680894		90	0.002	0.0213	0.013
B680895		64	0.005	0.0640	0.092
B680896		70	0.019	0.0255	0.259
B680897		65	0.008	0.0283	0.196
B680898		52	0.022	0.0340	0.385
B680899		57	0.029	0.0400	0.168
B680900		55	0.014	0.0380	0.104
B680901		55	0.006	0.0448	0.061
B680902		52	0.002	0.0491	0.033
B680903		50	0.002	0.0433	0.030
B680904		48	0.002	0.0547	0.039
B680905		53	0.005	0.0501	0.064
B680906		59	0.004	0.0516	0.073
B680907		79	0.003	0.0495	0.026
B680908		55	0.002	0.0391	0.033
B680909		61	0.007	0.0352	0.138
B680910		53	0.001	0.0224	0.038
B680911		56	0.003	0.0554	0.132
B680912		60	0.009	0.0695	0.149
B680913		52	0.005	0.0444	0.074
B680914		60	0.003	0.0456	0.086
B680915		62	0.001	0.0193	0.054
B680916		70	0.002	0.0281	0.082
B680917		74	0.008	0.0256	0.052
B680918		77	0.027	0.0639	0.156
B680919		49	0.003	0.0532	0.099
B680920		54	0.003	0.0511	0.013
B680921		55	0.003	0.0282	0.033
B680922		44	0.005	0.0323	0.074
B680923		48	0.018	0.0335	0.059
B680924		65	0.005	0.0509	0.046
B680925		79	0.010	0.0709	0.106
B680926		68	0.015	0.0396	0.078
B680927		103	0.025	0.0358	0.076
B680928		86	0.010	0.0378	0.077
B680929		100	0.038	0.160	0.320



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CERTIFICATE OF ANALYSIS TB06081177

Sample Description	Method Analyte Units LOR	WEI-21	PGM-ICP27	PGM-ICP27	PGM-ICP27	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Au ppm	Pt ppm	Pd ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
B680930		3.89				<0.5	7.82	11	60	<0.5	<2	6.44	<0.5	60	100	316
B680931		2.47				<0.5	7.75	6	60	<0.5	<2	6.75	<0.5	55	100	206
B680932		1.30				<0.5	9.05	<5	80	<0.5	<2	5.78	<0.5	38	50	784
B680933		2.78				<0.5	8.33	<5	100	<0.5	<2	5.28	<0.5	52	66	355
B680934		5.22	0.12	0.26	1.54	1.4	6.83	<5	60	<0.5	<2	6.60	<0.5	87	90	5230
B680935		3.62				<0.5	7.64	<5	90	<0.5	<2	6.60	<0.5	68	116	428
B680936		5.67				<0.5	7.78	<5	60	<0.5	<2	6.95	<0.5	73	92	1005
B680937		5.02				<0.5	7.75	<5	80	<0.5	<2	6.34	<0.5	53	94	125
B680938		4.22				<0.5	7.82	<5	70	<0.5	<2	6.63	0.5	56	96	273
B680939		3.82				<0.5	7.99	13	50	<0.5	<2	7.97	<0.5	47	234	105
B680940		2.46				<0.5	8.48	<5	230	0.5	<2	7.11	<0.5	40	185	114
B680941		3.42				<0.5	8.16	<5	60	<0.5	<2	8.10	0.5	45	231	109
B680942		4.26				<0.5	8.37	<5	70	<0.5	<2	8.10	<0.5	47	301	119
B680943		2.20				<0.5	7.78	<5	120	0.5	<2	6.77	<0.5	42	206	29
B680944		2.96				<0.5	8.16	14	70	<0.5	<2	6.77	<0.5	46	102	5
B680945		4.14				<0.5	8.05	<5	70	<0.5	<2	6.57	<0.5	49	82	18
B680946		3.48				<0.5	8.41	<5	60	<0.5	<2	7.32	<0.5	45	81	12
B680947		5.15				<0.5	8.35	<5	40	<0.5	<2	7.04	<0.5	46	90	48
B680948		4.27				<0.5	7.84	5	30	<0.5	<2	7.07	<0.5	51	87	27
B680949		3.08				<0.5	7.06	9	30	<0.5	<2	6.92	<0.5	46	75	24
B680950		3.98				<0.5	7.97	<5	60	0.6	<2	6.93	<0.5	46	79	113
B680951		4.56				<0.5	7.42	<5	30	<0.5	<2	6.75	<0.5	49	71	93
B680952		4.26				<0.5	7.69	<5	40	<0.5	<2	7.42	<0.5	46	74	70
B680953		4.76				<0.5	7.55	<5	30	<0.5	<2	7.03	<0.5	48	71	28
B680954		4.53				<0.5	7.35	10	30	<0.5	<2	6.88	<0.5	46	67	27
B680955		4.95				<0.5	7.52	<5	40	<0.5	<2	6.76	<0.5	48	66	15
B680956		4.03				<0.5	7.53	<5	50	<0.5	<2	7.03	<0.5	51	63	36
B680957		3.95				<0.5	7.45	6	40	<0.5	<2	6.90	<0.5	50	75	16
B680958		3.82				<0.5	7.54	<5	50	<0.5	<2	6.77	<0.5	55	72	16
B680959		2.89				<0.5	7.75	<5	60	0.5	<2	7.16	<0.5	52	69	28
B680960		3.34				<0.5	7.18	<5	60	<0.5	<2	6.97	<0.5	45	61	6
B680961		2.89				<0.5	7.18	<5	50	<0.5	<2	7.13	<0.5	52	61	14
B680962		3.08				<0.5	7.46	<5	50	<0.5	<2	6.60	<0.5	48	63	4
B680963		2.98				<0.5	6.85	<5	130	0.5	<2	5.74	<0.5	45	85	32
B680964		3.74				<0.5	7.18	<5	280	<0.5	<2	4.29	<0.5	82	79	224
B680965		1.92				<0.5	7.12	<5	370	1.0	<2	6.72	<0.5	45	729	36
B680966		2.42				<0.5	7.02	<5	170	0.5	<2	5.42	<0.5	45	87	109
B680967		2.66				<0.5	7.25	<5	270	0.9	<2	6.50	<0.5	54	617	174
B680968		4.08				<0.5	7.50	12	110	<0.5	<2	5.93	<0.5	45	69	83
B680969		5.02				<0.5	7.31	<5	50	<0.5	<2	5.73	<0.5	46	64	12



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Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W
		%	%	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
B680930		10.10	0.29	4.91	1685	<1	1.43	181	140	<2	0.06	<5	111	0.27	216	<10
B680931		10.30	0.30	4.99	1705	<1	1.53	146	100	<2	0.04	<5	113	0.24	222	<10
B680932		8.88	0.37	3.10	1205	<1	2.33	80	30	<2	0.12	<5	165	0.06	273	<10
B680933		10.85	0.41	3.43	1355	2	1.59	105	70	<2	0.19	<5	104	0.23	476	<10
B680934		13.15	0.31	3.83	1635	1055	1.04	140	2480	<2	1.01	<5	62	0.31	522	10
B680935		11.15	0.38	5.06	1740	5	1.40	260	90	<2	0.13	<5	112	0.24	248	<10
B680936		11.35	0.33	4.72	1785	1	1.41	303	90	<2	0.34	<5	114	0.21	255	10
B680937		10.45	0.36	4.60	1730	<1	1.49	117	60	<2	0.02	<5	115	0.26	311	<10
B680938		10.35	0.30	4.36	1635	<1	1.50	153	100	<2	0.07	<5	116	0.33	345	10
B680939		8.83	0.24	4.65	1530	<1	1.58	113	280	<2	0.07	<5	125	0.55	280	<10
B680940		7.86	0.50	4.03	1285	<1	2.03	101	600	<2	0.07	<5	395	0.51	222	<10
B680941		8.23	0.26	4.91	1480	<1	1.47	129	250	<2	0.08	<5	124	0.46	253	<10
B680942		8.71	0.32	5.15	1515	<1	1.46	152	300	<2	0.09	<5	109	0.52	264	<10
B680943		8.90	0.37	4.58	1645	<1	2.21	84	470	3	0.01	<5	189	0.55	261	10
B680944		10.60	0.26	3.71	1950	<1	2.30	67	70	<2	<0.01	<5	170	0.88	377	10
B680945		10.80	0.27	3.40	1970	<1	2.43	85	140	<2	0.01	<5	153	0.95	422	<10
B680946		10.95	0.26	3.04	2020	<1	2.52	69	170	5	0.01	<5	186	1.02	443	<10
B680947		10.40	0.22	3.05	1925	<1	2.79	96	140	<2	0.07	5	188	0.93	429	<10
B680948		11.40	0.18	3.25	1995	<1	2.45	92	300	<2	0.02	<5	149	0.93	510	<10
B680949		10.15	0.20	2.75	1800	4	1.98	63	200	<2	0.02	<5	148	0.93	416	<10
B680950		10.25	0.31	2.88	1820	<1	2.41	63	180	2	0.15	<5	206	0.99	363	<10
B680951		10.80	0.24	2.79	1830	<1	2.12	54	230	<2	0.04	<5	161	0.93	384	<10
B680952		10.60	0.23	2.82	1760	<1	2.21	58	180	<2	0.09	<5	155	0.96	394	10
B680953		11.70	0.21	2.88	1845	<1	2.04	46	330	<2	0.03	<5	129	0.97	404	<10
B680954		11.60	0.21	3.45	1855	<1	1.86	42	380	2	0.03	<5	122	1.00	383	<10
B680955		11.90	0.22	3.43	2060	<1	1.79	42	430	2	<0.01	<5	137	1.07	374	<10
B680956		12.05	0.26	3.56	2040	<1	1.70	44	380	<2	0.04	<5	131	1.07	399	<10
B680957		11.35	0.21	3.49	1880	1	1.79	56	300	2	0.05	<5	143	0.98	379	10
B680958		11.85	0.24	2.85	1720	<1	1.83	44	340	<2	0.01	<5	137	1.04	393	<10
B680959		12.00	0.26	2.89	1890	<1	2.12	54	720	<2	0.04	<5	166	1.10	407	10
B680960		11.70	0.30	3.05	1920	<1	1.95	48	370	<2	<0.01	<5	148	1.03	375	<10
B680961		11.90	0.24	2.95	1945	<1	1.96	48	430	<2	0.01	<5	144	1.03	381	<10
B680962		11.95	0.27	2.82	2030	<1	2.27	34	550	<2	<0.01	<5	180	1.11	400	<10
B680963		10.55	0.45	2.40	1840	<1	2.14	46	530	<2	0.04	<5	235	0.97	371	<10
B680964		11.60	0.63	2.35	1545	2	2.19	107	540	<2	0.47	<5	241	1.01	364	<10
B680965		7.18	1.05	6.92	1225	<1	1.65	292	1390	5	0.01	<5	499	0.34	136	<10
B680966		10.20	0.48	2.46	1580	<1	2.65	45	590	<2	0.12	<5	470	1.02	371	<10
B680967		8.97	0.73	6.70	1560	1	1.72	285	1260	2	0.31	<5	375	0.55	211	<10
B680968		11.10	0.33	2.70	1740	5	2.69	53	600	<2	0.09	<5	254	1.07	391	<10
B680969		11.50	0.24	2.89	2050	<1	2.70	51	560	<2	0.01	<5	165	1.09	393	<10



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CERTIFICATE OF ANALYSIS TB06081177

Sample Description	Method Analyte Units LOR	ME-ICP61	PGM-MS24	PGM-MS24	PGM-MS24
		Zn	Au	Pt	Pd
		ppm	ppm	ppm	ppm
		2	0.001	0.0005	0.001
B680930		80	0.006	0.0220	0.041
B680931		80	0.007	0.0065	0.016
B680932		74	0.019	0.0410	0.134
B680933		78	0.009	0.0638	0.260
B680934		104	0.108	0.284	>1.00
B680935		70	0.011	0.135	0.224
B680936		69	0.024	0.120	0.245
B680937		72	0.003	0.0159	0.026
B680938		70	0.005	0.0646	0.106
B680939		63	0.002	0.0050	0.005
B680940		62	0.002	0.0035	0.004
B680941		75	0.003	0.0056	0.005
B680942		88	0.003	0.0069	0.007
B680943		108	0.001	0.0041	0.003
B680944		89	0.001	0.0092	0.009
B680945		83	0.001	0.0158	0.017
B680946		82	0.001	0.0240	0.008
B680947		73	0.001	0.0168	0.012
B680948		69	0.001	0.0544	0.014
B680949		62	0.001	0.0472	0.004
B680950		63	0.008	0.0032	0.003
B680951		58	0.002	0.0029	0.004
B680952		58	0.001	0.0029	0.004
B680953		66	0.001	0.0028	0.002
B680954		71	0.001	0.0027	0.002
B680955		71	0.001	0.0027	0.003
B680956		73	0.001	0.0032	0.004
B680957		64	0.001	0.0030	0.006
B680958		61	0.001	0.0025	0.002
B680959		65	0.001	0.0026	0.002
B680960		63	0.001	0.0028	0.002
B680961		67	0.001	0.0025	0.002
B680962		66	0.001	0.0022	0.002
B680963		61	0.001	0.0024	0.002
B680964		59	0.001	0.0031	0.012
B680965		82	0.001	0.0047	0.006
B680966		57	0.001	0.0025	0.002
B680967		80	0.001	0.0047	0.006
B680968		53	0.001	0.0024	0.002
B680969		56	0.001	0.0022	0.002



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Project: NORTH ROCK

CERTIFICATE OF ANALYSIS TB06081177

Sample Description	Method Analyte Units LOR	WEI-21	PGM-ICP27	PGM-ICP27	PGM-ICP27	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt.	Au	Pt	Pd	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
		kg	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
B680970		2.88	0.03	0.03	0.03	0.5	0.01	5	10	0.5	<2	5.95	<0.5	42	58	53
B680971		4.81				<0.5	7.71	<5	60	0.5	<2	6.45	<0.5	38	58	18
B680972		1.53				<0.5	10.50	8	100	1.0	<2	5.74	<0.5	21	20	875
B680973		5.06				<0.5	7.66	<5	90	0.5	<2	6.76	<0.5	43	60	49
B680974		2.85				<0.5	7.01	5	50	0.5	<2	6.24	<0.5	44	59	38
B680975		4.39				<0.5	7.20	<5	40	0.5	<2	5.96	<0.5	44	47	248
B680976		5.07				<0.5	6.88	<5	50	0.5	<2	5.71	<0.5	42	47	51
B680977		3.79				<0.5	7.76	10	50	0.6	<2	6.16	<0.5	40	47	139
B680978		4.38				<0.5	7.46	16	70	0.5	<2	6.08	<0.5	42	46	68
B680979		4.75				<0.5	7.28	9	80	0.5	<2	6.39	<0.5	45	48	90
B680980		2.84				<0.5	7.74	<5	80	0.5	<2	6.45	<0.5	44	49	133
B680981		2.88				<0.5	7.34	<5	70	<0.5	<2	6.62	<0.5	48	55	119
B680982		1.81				<0.5	7.47	5	490	1.3	<2	6.56	<0.5	43	467	231
B680983		4.02				<0.5	7.90	<5	80	0.5	<2	6.79	<0.5	49	56	85
B680984		2.96				<0.5	7.40	7	200	0.6	<2	6.05	<0.5	41	59	35
B680985		2.49				<0.5	7.61	5	290	0.9	<2	5.87	<0.5	36	79	111
B680986		4.17				<0.5	7.55	<5	190	0.5	<2	6.16	<0.5	43	54	98
B680987		3.74				<0.5	7.36	<5	110	0.5	<2	6.72	<0.5	46	51	80
B680988		5.11				<0.5	7.35	11	100	0.5	<2	5.88	<0.5	51	51	153
B680989		4.13				<0.5	7.61	<5	70	0.6	<2	6.35	<0.5	50	55	110
B680990		2.67				<0.5	7.40	<5	70	0.6	<2	6.20	<0.5	49	49	45
B680991		3.08				<0.5	7.68	<5	90	0.5	<2	6.75	<0.5	49	51	37
B680992		4.35				<0.5	7.50	5	70	0.5	<2	6.09	<0.5	47	56	125
B680993		4.32				<0.5	7.90	8	240	0.8	<2	6.46	<0.5	46	73	59
B680994		3.86				<0.5	7.68	<5	80	0.5	<2	6.35	<0.5	48	53	87
B680995		3.44				<0.5	7.56	<5	60	0.6	<2	6.39	<0.5	45	52	36
B680996		3.25				<0.5	7.38	<5	70	0.5	<2	6.67	<0.5	49	47	35
B680997		2.78				<0.5	7.52	13	80	0.5	<2	6.80	<0.5	47	44	13
B680998		2.58				<0.5	7.43	<5	50	0.5	<2	5.97	<0.5	43	44	11
B680999		5.51				<0.5	7.53	<5	50	0.6	<2	5.93	<0.5	43	42	17
B681000		4.42				<0.5	7.35	<5	50	0.6	<2	5.93	<0.5	44	32	15
B681001		2.28				<0.5	7.58	<5	50	0.6	<2	6.31	<0.5	46	52	7
B681002		4.20				<0.5	7.42	<5	50	0.6	<2	6.29	<0.5	44	54	12
B681003		4.30				<0.5	6.91	10	60	0.5	<2	5.81	<0.5	46	52	14
B681004		4.19				<0.5	7.82	<5	50	0.6	<2	6.25	<0.5	44	47	9
B681005		2.11				<0.5	7.77	<5	60	0.6	<2	6.10	<0.5	46	47	13
B681006		2.53				<0.5	6.48	<5	180	<0.5	<2	6.21	<0.5	47	41	107
B681007		2.29				<0.5	7.18	12	100	0.6	<2	5.79	<0.5	46	39	43
B681008		2.53				<0.5	6.90	<5	110	0.5	<2	5.69	<0.5	45	36	5
B681009		3.77				<0.5	7.14	<5	230	<0.5	<2	5.46	<0.5	51	44	63



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Project: NORTH ROCK

CERTIFICATE OF ANALYSIS TB06081177

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
	Analyte	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	
Units	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	
LOR	0.01	0.01	0.01	5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	
B680970		11.50	0.28	3.18	2130	<1	2.69	55	580	<2	0.06	<5	186	1.04	388	<10
B680971		11.65	0.28	3.34	2140	<1	2.60	47	650	2	0.01	<5	189	1.06	395	<10
B680972		11.05	0.55	1.80	809	1	2.87	85	1520	<2	0.24	<5	218	0.30	284	<10
B680973		12.30	0.37	3.47	2210	<1	2.43	49	650	<2	0.01	<5	177	1.05	413	<10
B680974		11.75	0.28	2.89	1955	<1	2.30	53	620	<2	0.01	<5	159	1.02	394	<10
B680975		12.20	0.24	2.94	2060	<1	2.47	58	660	<2	0.04	<5	133	1.04	388	10
B680976		11.10	0.23	2.91	2040	<1	2.49	38	670	<2	0.01	<5	141	1.04	390	<10
B680977		11.40	0.21	2.97	2160	<1	2.98	90	620	<2	0.01	<5	188	1.12	423	<10
B680978		11.95	0.31	2.81	2090	<1	2.58	69	660	<2	0.01	<5	169	1.03	396	<10
B680979		12.05	0.32	3.00	2040	<1	2.34	40	660	<2	0.04	<5	259	1.02	390	<10
B680980		12.00	0.36	2.70	2170	<1	2.45	37	750	<2	0.03	<5	256	1.10	417	<10
B680981		12.35	0.35	2.96	2100	<1	2.22	51	750	<2	0.08	<5	292	1.04	403	<10
B680982		9.36	1.30	6.26	1570	<1	1.91	256	2730	<2	0.11	<5	641	0.60	189	<10
B680983		12.70	0.38	2.89	2180	<1	2.48	37	720	<2	0.02	<5	258	1.10	410	<10
B680984		11.40	0.66	3.09	2000	<1	2.44	46	880	<2	0.01	<5	282	0.94	357	<10
B680985		9.48	0.78	3.78	1600	<1	2.31	58	1690	<2	0.03	<5	403	0.68	253	<10
B680986		11.80	0.70	2.69	1935	<1	2.26	39	710	<2	0.01	<5	166	1.04	393	<10
B680987		12.65	0.46	2.86	2050	<1	2.07	46	670	<2	0.03	<5	146	0.99	370	<10
B680988		12.35	0.41	2.69	2020	<1	2.34	57	730	<2	0.04	<5	144	0.99	380	<10
B680989		13.00	0.32	3.03	2160	<1	2.54	61	710	<2	0.06	<5	174	1.06	393	<10
B680990		12.70	0.32	2.88	2110	<1	2.34	59	670	<2	0.04	<5	146	1.00	382	<10
B680991		13.20	0.40	2.84	2190	1	2.24	41	700	<2	0.01	<5	163	1.09	415	<10
B680992		12.60	0.31	3.10	2110	<1	2.55	65	670	2	0.02	<5	196	1.01	386	<10
B680993		11.80	0.60	3.52	1930	<1	2.50	57	1320	<2	0.05	<5	452	0.92	344	10
B680994		12.70	0.32	2.67	2130	<1	2.48	45	710	<2	0.02	<5	161	1.06	401	<10
B680995		11.85	0.25	2.60	2100	<1	2.61	58	670	<2	0.01	<5	170	1.06	391	<10
B680996		12.00	0.31	2.68	2130	<1	2.23	46	650	<2	<0.01	<5	155	1.05	396	<10
B680997		13.00	0.35	3.53	2290	<1	2.40	47	670	<2	<0.01	<5	138	1.08	415	<10
B680998		12.10	0.25	3.39	2230	<1	2.54	47	670	<2	<0.01	<5	143	1.08	403	<10
B680999		12.70	0.23	3.78	2270	<1	2.62	48	660	<2	<0.01	<5	132	1.11	420	<10
B681000		12.65	0.24	3.26	2300	<1	2.64	45	700	<2	<0.01	<5	128	1.09	414	<10
B681001		12.45	0.24	3.12	2230	<1	2.73	72	420	<2	<0.01	<5	158	1.09	404	<10
B681002		11.95	0.23	3.08	2160	<1	2.76	60	670	<2	<0.01	<5	169	1.02	383	<10
B681003		11.70	0.25	2.99	2110	<1	2.66	59	510	<2	<0.01	<5	138	1.02	389	10
B681004		12.40	0.25	2.79	2120	<1	2.94	54	650	<2	<0.01	<5	161	1.10	426	<10
B681005		12.30	0.28	2.59	2180	<1	2.89	41	720	<2	<0.01	<5	152	1.10	415	<10
B681006		12.25	0.53	2.27	2030	<1	1.72	50	600	<2	0.03	<5	109	0.90	354	10
B681007		12.30	0.39	2.64	2330	<1	2.40	33	720	<2	0.01	<5	148	1.05	378	<10
B681008		11.95	0.40	2.95	2240	<1	2.16	36	620	<2	<0.01	<5	142	0.97	362	<10
B681009		12.85	0.65	2.92	2280	<1	1.73	40	660	<2	0.01	<5	107	1.05	386	<10



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CERTIFICATE OF ANALYSIS TB06081177

Sample Description	Method Analyte Units LOR	ME-ICP61	PGM-MS24	PGM-MS24	PGM-MS24
		Zn	Au	Pt	Pd
		ppm	ppm	ppm	ppm
		2	0.001	0.0005	0.001
B680970		65	0.001	0.0022	0.001
B680971		69	0.005	0.0022	0.002
B680972		41	0.049	0.0565	0.203
B680973		79	0.002	0.0024	0.002
B680974		73	0.001	0.0024	0.003
B680975		73	0.004	0.0036	0.017
B680976		71	0.001	0.0019	0.002
B680977		103	0.002	0.0031	0.009
B680978		89	0.001	0.0019	0.003
B680979		71	0.001	0.0022	0.002
B680980		85	0.003	0.0024	0.002
B680981		87	0.009	0.0026	0.003
B680982		105	0.005	0.0031	0.003
B680983		85	0.002	0.0022	0.002
B680984		75	0.001	0.0017	0.001
B680985		77	0.002	0.0019	0.002
B680986		73	0.001	0.0013	0.001
B680987		82	0.002	0.0021	0.004
B680988		77	0.005	0.0024	0.006
B680989		75	0.002	0.0018	0.015
B680990		75	0.003	0.0070	0.015
B680991		77	0.001	0.0023	0.002
B680992		75	0.003	0.0086	0.014
B680993		85	0.001	0.0019	0.001
B680994		80	0.002	0.0017	0.001
B680995		79	0.001	0.0018	0.002
B680996		80	<0.001	0.0013	0.001
B680997		81	0.001	0.0022	0.001
B680998		70	<0.001	0.0014	0.002
B680999		77	0.001	0.0020	0.002
B681000		73	0.001	0.0015	0.004
B681001		86	0.001	0.0012	0.001
B681002		77	0.001	0.0015	0.001
B681003		73	0.001	0.0014	0.002
B681004		77	0.001	0.0015	0.001
B681005		83	<0.001	0.0014	0.001
B681006		85	0.002	0.0012	0.005
B681007		81	0.010	0.0018	0.020
B681008		86	0.001	0.0016	0.001
B681009		97	0.005	0.0025	0.002



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Project: NORTH ROCK

CERTIFICATE OF ANALYSIS TB06081177

Sample Description	Method Analyte Units LOR	WEI-21	PGM-ICP27	PGM-ICP27	PGM-ICP27	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Au ppm	Pt ppm	Pd ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.03	0.03	0.03	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1
B681010		1.44				<0.5	6.50	8	350	<0.5	<2	4.96	<0.5	57	39	65
B681011		2.34				<0.5	6.46	14	120	<0.5	<2	7.58	<0.5	76	48	218
B681012		2.48				<0.5	7.14	<5	130	<0.5	<2	7.59	<0.5	77	52	146
B681013		2.80				<0.5	7.21	<5	80	0.5	<2	6.24	<0.5	49	46	30
B681014		2.87				<0.5	7.40	<5	90	0.5	<2	6.35	<0.5	50	45	10
B681015		2.05				<0.5	7.55	<5	90	0.6	<2	5.80	<0.5	44	41	2
B681016		2.50				<0.5	6.85	<5	100	<0.5	<2	6.95	<0.5	73	45	181
B681017		3.35				<0.5	6.38	<5	120	<0.5	<2	6.63	<0.5	91	43	1060
B681018		2.67				<0.5	7.10	6	220	<0.5	<2	5.36	<0.5	57	46	206
B681019		3.49				<0.5	7.38	<5	80	0.6	<2	5.66	<0.5	53	44	30
B681020		3.30				<0.5	7.92	<5	70	<0.5	<2	6.44	<0.5	47	76	107
B681021		3.39				<0.5	7.51	<5	60	<0.5	<2	5.92	<0.5	39	68	47
B681022		3.84				<0.5	7.86	10	50	<0.5	<2	6.46	<0.5	50	65	640
B681023		3.83				<0.5	7.92	<5	50	<0.5	<2	6.96	<0.5	41	71	24
B681024		2.37				<0.5	7.47	<5	40	0.5	<2	7.17	<0.5	49	68	89
B681025		3.54				<0.5	7.57	5	40	<0.5	<2	7.27	<0.5	36	67	11
B681026		2.98				<0.5	7.85	7	30	<0.5	<2	7.51	<0.5	38	63	10
B681027		1.78				<0.5	7.72	<5	40	<0.5	<2	7.21	<0.5	41	67	5
B681028		4.22				<0.5	7.69	5	40	<0.5	<2	7.02	<0.5	48	67	15
B681029		2.84				<0.5	8.15	<5	40	<0.5	<2	7.22	<0.5	47	65	4
B681030		4.24				<0.5	7.65	6	40	<0.5	<2	6.70	<0.5	47	64	43
B681031		3.21				<0.5	7.96	11	40	<0.5	<2	6.77	<0.5	42	62	6
B681032		2.31				<0.5	7.19	11	30	<0.5	<2	5.89	<0.5	51	56	132
B681033		3.16				<0.5	7.58	<5	30	<0.5	<2	5.94	<0.5	46	57	33
B681034		2.72				<0.5	7.49	<5	30	<0.5	<2	5.87	<0.5	49	51	35
B681035		5.52				<0.5	7.47	<5	30	<0.5	<2	6.20	<0.5	48	57	15



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Project: NORTH ROCK

CERTIFICATE OF ANALYSIS TB06081177

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	V ppm	W ppm
		0.01	0.01	0.01	5	1	0.01	1	10	2	0.01	5	1	0.01	1	10
B681010		14.00	0.98	2.84	2400	<1	1.21	43	570	3	0.02	<5	35	0.92	360	<10
B681011		15.15	0.50	3.04	2700	4	1.06	60	2810	<2	0.06	<5	46	0.89	390	<10
B681012		14.00	0.52	3.31	2560	2	1.38	62	710	<2	0.04	<5	100	1.04	429	<10
B681013		12.05	0.33	2.85	2060	<1	2.25	39	660	<2	<0.01	<5	170	1.01	394	10
B681014		12.00	0.32	2.44	1915	<1	2.17	38	670	<2	<0.01	<5	169	1.04	390	<10
B681015		11.70	0.33	3.26	2300	<1	2.62	34	720	<2	<0.01	<5	184	1.07	401	<10
B681016		12.85	0.43	2.52	2520	<1	1.53	45	610	<2	0.10	<5	117	0.97	359	<10
B681017		14.95	0.52	2.76	2610	<1	1.12	66	600	<2	0.20	<5	52	0.90	366	<10
B681018		13.60	0.62	2.54	2260	<1	1.68	53	660	<2	0.13	<5	92	1.01	379	<10
B681019		13.10	0.36	2.40	2320	<1	2.28	37	680	<2	0.02	<5	118	1.03	389	<10
B681020		10.15	0.28	3.53	1895	<1	2.26	116	80	<2	0.04	<5	156	0.73	385	<10
B681021		9.78	0.27	3.01	1910	1	2.32	72	110	<2	0.01	<5	153	0.81	410	<10
B681022		10.60	0.22	3.08	1985	4	2.32	116	130	<2	0.12	<5	158	0.81	421	<10
B681023		10.20	0.21	2.94	1940	<1	2.12	54	160	<2	0.01	<5	163	0.83	435	<10
B681024		10.95	0.21	3.00	1965	<1	1.98	58	160	<2	0.06	<5	144	0.79	421	<10
B681025		9.29	0.16	2.56	1760	<1	2.17	45	180	<2	0.01	<5	179	0.82	406	<10
B681026		10.15	0.16	2.72	1815	<1	2.32	52	190	<2	<0.01	<5	181	0.85	428	<10
B681027		10.10	0.18	2.57	1730	<1	2.23	45	220	<2	<0.01	<5	183	0.92	415	<10
B681028		11.35	0.22	2.69	1885	<1	2.18	44	210	<2	<0.01	<5	172	0.95	407	<10
B681029		11.55	0.25	2.64	1955	<1	2.30	45	250	<2	<0.01	<5	182	1.01	434	<10
B681030		12.00	0.22	2.72	2060	<1	2.17	47	300	<2	0.04	<5	140	1.01	413	<10
B681031		11.50	0.23	2.76	2030	<1	2.21	52	350	<2	0.01	<5	152	1.01	431	<10
B681032		11.20	0.21	3.12	1875	<1	2.03	180	320	<2	0.26	<5	133	0.94	388	<10
B681033		11.75	0.19	3.68	2020	<1	2.01	53	410	<2	0.03	<5	124	1.02	391	10
B681034		12.15	0.20	3.60	2070	<1	2.01	44	450	<2	0.03	<5	118	1.03	404	<10
B681035		11.80	0.20	3.43	2050	<1	2.02	47	420	<2	<0.01	<5	125	0.97	390	10



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Project: NORTH ROCK

CERTIFICATE OF ANALYSIS TB06081177

Sample Description	Method Analyte Units LOR	ME-ICP61	PGM-MS24	PGM-MS24	PGM-MS24
		Zn	Au	Pl	Pd
		ppm	ppm	ppm	ppm
		2	0.001	0.0005	0.001
B681010		100	0.001	0.0014	0.001
B681011		109	0.016	0.0016	0.029
B681012		176	0.003	0.0019	0.004
B681013		81	0.001	0.0016	0.002
B681014		80	<0.001	0.0016	0.001
B681015		84	<0.001	0.0015	0.001
B681016		94	0.002	0.0016	0.001
B681017		108	0.026	0.0015	0.003
B681018		93	0.005	0.0018	0.003
B681019		82	0.001	0.0016	0.001
B681020		76	0.008	0.0446	0.105
B681021		68	0.002	0.0159	0.019
B681022		74	0.011	0.0319	0.075
B681023		68	0.001	0.0040	0.010
B681024		71	0.014	0.0030	0.004
B681025		58	0.001	0.0029	0.002
B681026		59	<0.001	0.0026	0.001
B681027		58	<0.001	0.0027	0.002
B681028		65	0.001	0.0027	0.003
B681029		70	0.001	0.0026	0.001
B681030		73	0.001	0.0026	0.003
B681031		67	0.001	0.0026	0.002
B681032		64	0.004	0.0237	0.094
B681033		70	0.001	0.0042	0.008
B681034		73	0.001	0.0028	0.003
B681035		68	0.001	0.0027	0.002



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CERTIFICATE TB06084811

Project: NORTH ROCK TRENCH #11

P.O. No.:

This report is for 165 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 31-AUG-2006.

The following have access to data associated with this certificate:

MITCH DUMOULIN

AUBREY J. EVELEIGH

A.D. MACTAVISH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
PGM-ICP27	Ore grade Pt, Pd and Au by ICP	ICP-AES
ME-ICP61	27 element four acid ICP-AES	ICP-AES
PGM-MS24	Pt, Pd and Au 50g FA ICP-MS	ICP-MS

To: METAL CORP LTD
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 
Keith Rogers, Executive Manager Vancouver Laboratory



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CERTIFICATE OF ANALYSIS TB06084811

Sample Description	Method Analyte Units LOR	WEI-21	PGM-ICP27	PGM-ICP27	PGM-ICP27	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Au ppm	Pt ppm	Pd ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
B681036		4.02	0.03	0.03	0.03	<0.5	9.27	7	90	<0.5	<2	6.82	<0.5	40	22	106
B681037		3.52				<0.5	9.44	<5	90	<0.5	<2	7.08	<0.5	43	26	112
B681038		4.67				<0.5	9.57	<5	70	<0.5	<2	7.39	<0.5	45	26	107
B681039		3.41				<0.5	9.37	<5	50	<0.5	<2	6.98	<0.5	44	24	190
B681040		4.12				<0.5	9.35	5	60	<0.5	<2	6.49	<0.5	48	22	245
B681041		3.48				<0.5	8.99	<5	50	<0.5	<2	6.77	<0.5	42	19	98
B681042		3.68				<0.5	9.53	14	120	<0.5	3	6.97	<0.5	39	37	104
B681043		2.65				<0.5	9.23	9	70	<0.5	<2	6.20	<0.5	39	20	98
B681044		5.81				<0.5	6.94	11	210	0.7	<2	4.87	<0.5	32	32	121
B681045		4.21				<0.5	6.75	8	50	0.9	<2	5.53	<0.5	30	11	133
B681046		2.90				<0.5	6.50	10	40	0.8	<2	5.36	<0.5	24	4	92
B681047		1.12				<0.5	0.54	8	10	<0.5	<2	0.59	<0.5	22	25	371
B681048		2.00				<0.5	8.15	<5	90	<0.5	<2	6.29	<0.5	49	32	144
B681049		2.79				<0.5	10.30	<5	180	<0.5	<2	6.43	<0.5	27	15	65
B681050		3.10				<0.5	10.10	8	130	<0.5	<2	7.36	<0.5	32	15	162
B681051		3.72				<0.5	9.76	7	130	<0.5	<2	6.87	<0.5	22	13	66
B681052		3.10				<0.5	9.85	11	200	0.6	<2	6.98	<0.5	23	13	61
B681053		3.46				<0.5	10.20	<5	170	0.6	<2	7.38	<0.5	28	14	167
B681054		4.40				<0.5	8.68	6	60	<0.5	<2	7.20	<0.5	47	66	148
B681055		3.58				<0.5	8.25	<5	60	<0.5	<2	7.31	<0.5	55	99	190
B681056		4.63				<0.5	8.31	<5	60	<0.5	<2	7.21	<0.5	55	105	100
B681057		5.25				<0.5	8.25	<5	50	<0.5	<2	6.98	<0.5	50	88	87
B681058		4.07				<0.5	8.54	5	60	<0.5	<2	6.72	<0.5	45	65	193
B681059		3.56				<0.5	8.91	9	50	<0.5	<2	6.97	<0.5	44	107	120
B681060		2.90				<0.5	2.62	8	30	<0.5	<2	4.27	<0.5	93	1005	1145
B681061		2.97				<0.5	4.63	13	130	<0.5	<2	4.37	<0.5	87	568	246
B681062		2.39				<0.5	5.60	<5	80	<0.5	<2	4.06	<0.5	111	624	935
B681063		3.17				<0.5	4.08	<5	50	<0.5	<2	4.41	<0.5	102	1070	83
B681064		4.38				0.5	2.50	<5	10	<0.5	<2	2.21	<0.5	155	1640	3110
B681065		4.91				<0.5	2.51	<5	20	<0.5	3	2.78	0.6	138	1340	2590
B681066		4.31				<0.5	2.48	<5	10	<0.5	<2	4.25	<0.5	116	1330	277
B681067		5.49				<0.5	2.85	<5	10	<0.5	<2	2.86	<0.5	113	1740	172
B681068		2.70				<0.5	3.25	<5	10	<0.5	<2	3.04	<0.5	109	1380	191
B681069		1.95				<0.5	3.73	14	20	<0.5	<2	5.31	<0.5	105	1375	181
B681070		3.48				<0.5	10.10	10	90	0.6	2	6.38	<0.5	39	221	170
B681071		2.45				<0.5	6.84	<5	50	<0.5	<2	7.33	<0.5	63	848	335
B681072		1.99				<0.5	6.72	<5	60	<0.5	<2	7.60	<0.5	87	1110	613
B681073		3.19				<0.5	9.90	7	80	0.6	<2	6.53	<0.5	40	64	258
B681074		3.34				<0.5	10.25	<5	60	<0.5	2	7.17	<0.5	50	95	304
B681075		2.13				<0.5	9.98	<5	60	<0.5	<2	7.62	<0.5	40	95	193



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Project: NORTH ROCK TRENCH #11

CERTIFICATE OF ANALYSIS TB06084811

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
	Analyte	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	
Units	%	%	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	
LOR	0.01	0.01	0.01	5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	
B681036		8.95	0.47	2.45	1300	<1	1.96	43	220	<2	0.17	<5	162	0.61	361	<10
B681037		9.53	0.44	2.53	1390	<1	1.85	46	210	<2	0.12	<5	145	0.76	471	<10
B681038		10.10	0.36	2.53	1410	<1	1.79	52	230	<2	0.11	<5	138	0.82	533	<10
B681039		9.93	0.28	2.51	1410	<1	1.87	46	230	<2	0.24	<5	138	0.77	507	<10
B681040		10.65	0.32	2.51	1480	18	2.17	57	230	<2	0.41	<5	145	0.78	519	<10
B681041		10.20	0.27	2.42	1540	<1	1.84	44	250	<2	0.10	<5	145	0.73	490	<10
B681042		9.94	0.43	2.63	1550	2	2.13	58	320	6	0.09	<5	170	0.69	425	<10
B681043		9.99	0.34	2.47	1515	1	2.07	52	190	2	0.07	<5	159	0.69	423	<10
B681044		12.20	0.80	1.82	1960	1	1.75	17	2710	5	0.15	6	60	1.17	78	<10
B681045		12.25	0.37	1.39	2200	1	1.72	6	3210	7	0.23	6	87	1.31	33	<10
B681046		11.90	0.32	1.30	2180	1	1.67	4	3130	3	0.18	<5	83	1.23	30	<10
B681047		2.53	0.02	0.13	228	2	0.15	17	210	<2	0.52	<5	7	0.13	10	<10
B681048		9.93	0.42	2.79	1785	<1	1.74	52	230	8	0.11	<5	134	0.96	617	<10
B681049		6.59	0.72	1.86	1085	1	2.53	38	180	8	0.04	<5	213	0.63	340	<10
B681050		6.30	0.54	1.73	947	<1	2.37	47	50	9	0.12	<5	186	0.65	393	<10
B681051		5.09	0.44	1.35	745	1	2.36	33	40	6	0.04	<5	173	0.47	229	<10
B681052		5.50	0.78	1.57	886	<1	2.42	36	40	8	0.05	<5	188	0.51	231	<10
B681053		5.43	0.75	1.50	820	<1	2.30	50	70	9	0.16	5	183	0.58	242	<10
B681054		9.27	0.30	3.14	1400	<1	1.63	66	150	8	0.12	5	121	0.49	267	<10
B681055		10.85	0.29	3.55	1640	1	1.51	104	200	14	0.16	<5	98	0.43	274	<10
B681056		10.50	0.31	3.59	1585	2	1.58	102	120	6	0.07	<5	106	0.44	268	<10
B681057		9.88	0.25	3.57	1505	<1	1.65	101	130	5	0.07	<5	117	0.39	217	<10
B681058		8.55	0.29	3.15	1365	2	1.96	98	160	7	0.18	<5	151	0.53	231	<10
B681059		9.00	0.23	3.54	1460	<1	1.89	101	220	8	0.08	<5	145	0.40	203	<10
B681060		14.85	0.21	8.70	3170	<1	0.24	592	130	7	0.20	9	6	0.51	345	<10
B681061		12.80	0.81	6.84	1760	1	0.82	303	240	4	0.02	6	56	0.41	251	<10
B681062		14.90	0.49	7.08	1775	<1	0.90	429	180	6	0.11	5	33	0.53	315	<10
B681063		14.80	0.24	8.55	2280	<1	0.65	485	100	<2	0.01	<5	36	0.45	394	<10
B681064		19.95	0.01	10.40	3080	<1	0.05	1400	100	2	0.67	<5	3	0.49	510	<10
B681065		18.70	0.06	9.55	2760	<1	0.12	1100	230	<2	0.46	<5	2	0.51	461	<10
B681066		16.50	0.05	10.20	2610	<1	0.16	686	120	<2	0.09	<5	4	0.44	368	<10
B681067		17.45	0.03	10.95	2500	<1	0.09	774	190	<2	0.14	<5	3	0.46	364	<10
B681068		15.90	0.04	10.35	2540	<1	0.16	727	350	<2	0.21	<5	5	0.48	302	<10
B681069		14.05	0.16	8.63	1775	<1	0.26	606	380	3	0.20	<5	7	0.55	315	<10
B681070		6.24	0.33	2.46	888	2	3.00	161	150	8	0.12	6	290	0.33	146	<10
B681071		10.75	0.24	5.56	1830	<1	1.42	259	290	11	0.11	<5	93	0.54	336	<10
B681072		14.90	0.32	7.29	2150	<1	1.00	460	90	2	0.29	<5	38	0.53	376	<10
B681073		5.18	0.36	1.39	720	6	2.92	243	90	7	0.31	<5	253	0.40	122	<10
B681074		5.97	0.27	2.55	857	<1	2.42	359	230	9	0.37	<5	196	0.30	138	<10
B681075		5.58	0.18	2.68	872	1	2.25	200	120	7	0.20	<5	185	0.26	144	<10



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Project: NORTH ROCK TRENCH #11

CERTIFICATE OF ANALYSIS TB06084811

Sample Description	Method Analyte Units LOR	ME-ICP61	PGM-MS24	PGM-MS24	PGM-MS24
		Zn	Au	Pt	Pd
		ppm	ppm	ppm	ppm
		2	0.001	0.0005	0.001
B681036		55	0.002	0.0021	0.002
B681037		61	0.002	0.0021	0.002
B681038		60	0.001	0.0018	0.002
B681039		64	0.002	0.0020	0.002
B681040		67	0.002	0.0021	0.003
B681041		64	0.001	0.0020	0.002
B681042		72	0.002	0.0017	0.002
B681043		67	0.002	0.0019	0.003
B681044		87	0.001	<0.0005	<0.001
B681045		88	0.001	<0.0005	<0.001
B681046		80	0.001	<0.0005	<0.001
B681047		7	0.001	<0.0005	<0.001
B681048		91	0.002	0.0031	0.004
B681049		64	0.005	0.0052	0.005
B681050		58	0.003	0.0073	0.007
B681051		45	0.002	0.0089	0.007
B681052		46	0.004	0.0055	0.016
B681053		44	0.011	0.0110	0.033
B681054		69	0.007	0.0031	0.040
B681055		79	0.002	0.0008	0.004
B681056		70	0.001	0.0103	0.012
B681057		69	0.001	0.0035	0.005
B681058		71	0.009	0.0200	0.065
B681059		70	0.002	0.0056	0.008
B681060		150	0.018	0.0428	0.059
B681061		131	0.005	0.0028	0.011
B681062		126	0.011	0.0023	0.014
B681063		118	0.004	0.0129	0.026
B681064		129	0.056	0.0670	0.145
B681065		127	0.043	0.0324	0.076
B681066		122	0.007	0.0028	0.007
B681067		120	0.003	0.0037	0.006
B681068		123	0.003	0.0048	0.012
B681069		120	0.002	0.0046	0.012
B681070		56	0.003	0.0123	0.011
B681071		108	0.006	0.0120	0.022
B681072		135	0.015	0.0717	0.125
B681073		39	0.035	0.0891	0.190
B681074		47	0.048	0.0687	0.149
B681075		47	0.014	0.0240	0.075



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Project: NORTH ROCK TRENCH #11

CERTIFICATE OF ANALYSIS TB06084811

Sample Description	Method Analyte Units LOR	WEI-21	PGM-ICP27	PGM-ICP27	PGM-ICP27	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		Recvd Wt. kg	Au ppm	Pt ppm	Pd ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
B681076		3.47	0.03	0.03	0.03	<0.5	6.49	11	100	<0.5	<2	5.76	<0.5	75	432	248
B681077		2.84				<0.5	6.53	6	150	<0.5	<2	5.94	<0.5	90	189	135
B681078		3.01				<0.5	2.67	<5	20	<0.5	<2	3.68	<0.5	140	1440	335
B681079		4.38				<0.5	2.77	<5	10	<0.5	<2	2.76	<0.5	147	1620	869
B681080		2.80				<0.5	3.07	<5	10	<0.5	<2	2.89	<0.5	120	1570	379
B681081		3.36				<0.5	3.38	10	10	<0.5	<2	3.66	<0.5	118	1370	462
B681082		1.97				<0.5	10.25	<5	90	<0.5	<2	6.67	<0.5	39	227	324
B681083		3.30				0.8	5.93	<5	70	<0.5	<2	6.37	<0.5	98	931	2780
B681084		0.83				<0.5	10.30	6	70	<0.5	<2	6.57	<0.5	121	92	837
B681085		3.36				<0.5	10.15	<5	60	<0.5	2	6.79	<0.5	79	82	1400
B681086		3.65				1.5	10.20	7	50	<0.5	<2	7.15	<0.5	70	104	4180
B681087		3.50				<0.5	10.30	5	50	<0.5	<2	7.54	<0.5	35	108	321
B681088		1.89				<0.5	8.79	<5	40	<0.5	<2	8.08	<0.5	46	215	156
B681089		3.60				<0.5	9.98	<5	60	0.6	<2	7.43	<0.5	33	71	43
B681090		2.94				<0.5	11.05	<5	50	<0.5	<2	7.95	<0.5	37	66	69
B681091		2.69				<0.5	10.65	<5	50	<0.5	<2	7.84	<0.5	33	60	17
B681092		3.68				<0.5	10.95	<5	60	<0.5	<2	7.75	<0.5	34	43	32
B681093		3.10				<0.5	10.45	<5	50	<0.5	<2	7.91	<0.5	38	57	37
B681094		4.05				<0.5	9.86	<5	60	<0.5	<2	7.40	<0.5	39	82	88
B681095		2.88				<0.5	9.80	5	90	0.5	<2	7.02	<0.5	36	111	26
B681096		2.31				<0.5	10.40	6	120	1.1	<2	6.95	<0.5	54	69	796
B681097		4.28				<0.5	9.56	<5	50	0.8	<2	7.40	<0.5	51	26	113
B681098		3.92				<0.5	10.05	<5	70	<0.5	<2	8.07	<0.5	47	18	109
B681099		4.84				<0.5	9.72	10	70	<0.5	<2	7.02	<0.5	60	22	334
B681100		3.07				<0.5	9.24	7	90	1.5	<2	5.46	<0.5	83	34	772
B681101		4.14				<0.5	10.60	5	90	1.0	<2	6.48	<0.5	80	31	472
B681102		2.55				<0.5	9.74	<5	90	<0.5	<2	6.58	<0.5	81	41	478
B681103		3.95				<0.5	9.42	5	80	<0.5	<2	6.65	<0.5	68	45	406
B681104		2.16				<0.5	9.19	9	90	<0.5	<2	6.17	<0.5	122	31	871
B681105		4.22				<0.5	9.17	<5	100	<0.5	<2	6.41	<0.5	113	34	1030
B681106		5.10				0.5	9.16	5	140	<0.5	<2	5.26	<0.5	123	28	1710
B681107		4.42				<0.5	7.39	<5	110	<0.5	<2	5.33	<0.5	54	111	186
B681108		2.58				<0.5	9.05	<5	80	<0.5	<2	6.65	<0.5	54	51	169
B681109		3.66				<0.5	8.93	<5	80	<0.5	<2	6.67	<0.5	58	38	239
B681110		4.30				<0.5	9.01	5	60	<0.5	<2	6.46	<0.5	79	54	392
B681111		4.89				<0.5	9.20	<5	70	<0.5	<2	6.45	<0.5	54	60	204
B681112		4.82				<0.5	8.69	<5	80	<0.5	<2	6.94	<0.5	49	73	64
B681113		3.07				<0.5	8.58	<5	90	<0.5	<2	6.45	<0.5	72	128	233
B681114		4.16				<0.5	8.00	<5	90	<0.5	<2	6.46	<0.5	71	50	233
B681115		3.66				<0.5	8.36	6	60	<0.5	<2	7.15	<0.5	55	67	140



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Project: NORTH ROCK TRENCH #11

CERTIFICATE OF ANALYSIS TB06084811

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W
Units	%	%	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
LOR	0.01	0.01	0.01	5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	10
B681076	11.95	0.55	5.18	1620	10	1.60	217	170	3	0.05	<5	155	0.50	261	<10	
B681077	14.15	0.93	4.33	1590	5	1.17	219	290	7	0.02	<5	75	0.76	325	<10	
B681078	17.85	0.09	10.10	2660	2	0.13	1010	120	<2	0.35	<5	3	0.63	445	<10	
B681079	18.70	0.02	10.80	2590	1	0.08	1010	150	2	0.34	<5	2	0.47	389	<10	
B681080	17.45	0.04	10.25	2850	1	0.15	777	320	<2	0.18	<5	3	0.55	339	<10	
B681081	16.35	0.06	9.82	2900	1	0.23	723	310	<2	0.17	<5	5	0.53	312	<10	
B681082	7.39	0.53	2.93	1065	4	2.68	152	200	<2	0.09	<5	256	0.31	169	10	
B681083	13.20	0.44	5.79	1810	2	1.19	752	700	<2	0.93	<5	55	0.56	335	<10	
B681084	7.83	0.28	2.07	903	2	2.86	1180	270	3	1.95	<5	220	0.56	181	10	
B681085	6.73	0.25	2.10	837	2	2.70	795	370	<2	1.02	<5	204	0.37	129	<10	
B681086	7.14	0.21	2.58	914	1	2.37	803	230	3	1.08	<5	186	0.28	148	10	
B681087	6.59	0.21	3.09	1030	2	2.57	137	260	<2	0.18	<5	182	0.32	190	<10	
B681088	8.81	0.20	4.67	1375	2	1.85	130	280	<2	0.13	<5	98	0.51	291	<10	
B681089	6.17	0.21	2.63	910	2	2.44	69	80	<2	0.03	<5	184	0.35	173	<10	
B681090	6.62	0.18	2.92	915	2	2.67	75	120	<2	0.06	<5	188	0.34	172	10	
B681091	6.38	0.17	2.83	866	1	2.51	61	160	<2	0.01	<5	177	0.38	185	10	
B681092	6.82	0.20	2.70	911	4	2.74	55	90	<2	0.02	<5	194	0.43	196	<10	
B681093	7.05	0.17	2.94	925	1	2.42	61	160	<2	0.04	<5	167	0.50	223	<10	
B681094	7.20	0.23	2.68	967	3	2.38	69	320	<2	0.09	<5	169	0.57	299	10	
B681095	7.65	0.29	2.98	1065	2	2.46	63	140	2	0.02	<5	169	0.64	286	<10	
B681096	7.98	0.46	2.39	1105	3	2.67	151	430	<2	0.43	<5	213	1.01	219	40	
B681097	9.19	0.27	2.87	1295	11	2.17	123	320	<2	0.14	<5	152	1.10	553	<10	
B681098	9.06	0.31	3.03	1285	2	2.01	115	210	<2	0.10	<5	159	1.05	799	<10	
B681099	8.52	0.31	2.61	1120	3	2.22	209	370	<2	0.52	<5	166	1.01	466	10	
B681100	7.77	0.41	1.62	941	21	2.55	350	890	<2	1.21	<5	202	1.00	216	<10	
B681101	8.52	0.37	2.12	1005	5	2.88	324	1010	<2	0.97	<5	197	0.73	253	<10	
B681102	9.61	0.58	2.50	1170	4	2.35	329	280	9	0.82	<5	194	0.85	350	<10	
B681103	9.86	0.49	2.54	1270	3	2.22	320	660	<2	0.60	<5	180	1.08	430	<10	
B681104	11.20	0.59	2.32	1075	22	2.31	628	2980	2	1.55	<5	183	0.41	342	<10	
B681105	11.35	0.71	2.64	1265	2	2.13	579	1870	<2	1.25	<5	194	0.84	431	<10	
B681106	10.65	0.91	2.26	1215	2	2.44	619	1940	5	1.80	<5	234	0.91	363	<10	
B681107	12.45	0.65	4.10	2160	2	1.99	222	260	<2	0.26	<5	132	1.66	482	<10	
B681108	9.47	0.60	3.40	1350	2	2.12	231	420	2	0.25	<5	167	0.50	328	<10	
B681109	9.39	0.57	3.11	1285	2	1.92	288	640	<2	0.35	<5	164	0.73	348	<10	
B681110	9.73	0.35	3.28	1295	2	1.92	488	2040	<2	0.74	<5	137	0.52	278	<10	
B681111	9.80	0.41	3.26	1315	2	2.10	249	370	2	0.19	<5	143	0.43	269	<10	
B681112	10.55	0.48	3.63	1540	2	1.92	211	720	2	0.07	<5	137	0.88	536	<10	
B681113	10.75	0.50	3.43	1530	2	1.79	374	590	3	0.46	<5	132	0.92	288	<10	
B681114	10.95	0.51	3.22	1600	3	1.81	355	690	2	0.41	<5	141	1.10	635	<10	
B681115	9.54	0.38	3.33	1375	2	1.84	258	350	<2	0.24	<5	152	0.67	454	<10	



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CERTIFICATE OF ANALYSIS TB06084811

Sample Description	Method Analyte Units LOR	ME-ICP61	PGM-MS24	PGM-MS24	PGM-MS24
		Zn	Au	Pt	Pd
		ppm	ppm	ppm	ppm
		2	0.001	0.0005	0.001
B681076		93	0.010	0.0087	0.016
B681077		102	0.003	0.0099	0.006
B681078		141	0.008	0.0256	0.093
B681079		140	0.011	0.0088	0.025
B681080		144	0.007	0.0046	0.007
B681081		149	0.007	0.0048	0.009
B681082		64	0.009	0.0202	0.011
B681083		126	0.048	0.0461	0.121
B681084		48	0.031	0.0646	0.119
B681085		49	0.070	0.170	0.261
B681086		79	0.102	0.236	0.414
B681087		58	0.013	0.0278	0.030
B681088		72	0.003	0.0047	0.006
B681089		53	0.001	0.0012	0.001
B681090		46	0.001	0.0008	0.006
B681091		40	0.001	0.0010	0.002
B681092		49	0.001	0.0019	0.003
B681093		42	0.001	0.0040	0.008
B681094		47	0.002	0.0137	0.008
B681095		59	0.001	0.0154	0.003
B681096		59	0.004	0.0029	0.009
B681097		74	0.001	0.0021	0.003
B681098		68	0.002	0.0017	0.002
B681099		58	0.002	0.0018	0.018
B681100		48	0.017	0.0168	0.066
B681101		57	0.003	0.0144	0.040
B681102		70	0.006	0.0256	0.070
B681103		63	0.005	0.0261	0.078
B681104		60	0.011	0.0298	0.178
B681105		67	0.009	0.0319	0.134
B681106		52	0.011	0.0495	0.209
B681107		70	0.003	0.0899	0.068
B681108		65	0.001	0.0420	0.026
B681109		55	0.001	0.0434	0.041
B681110		58	0.003	0.0457	0.100
B681111		65	0.001	0.0566	0.029
B681112		69	0.001	0.0515	0.034
B681113		71	0.002	0.0527	0.023
B681114		75	0.002	0.0556	0.053
B681115		77	0.004	0.0573	0.246



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Project: NORTH ROCK TRENCH #11

CERTIFICATE OF ANALYSIS TB06084811

Sample Description	Method Analyte Units LOR	WEI-21	PGM-ICP27	PGM-ICP27	PGM-ICP27	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Au ppm	Pt ppm	Pd ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
B681116		2.66				<0.5	8.21	7	100	<0.5	<2	6.04	<0.5	53	65	125
B681117		2.67	<0.03	0.05	0.96	<0.5	9.02	<5	110	<0.5	<2	6.68	<0.5	50	38	199
B681118		3.30				<0.5	9.26	<5	120	<0.5	<2	6.45	<0.5	61	74	298
B681119		1.82				<0.5	9.44	<5	140	<0.5	<2	5.98	<0.5	66	63	344
B681120		3.52				<0.5	7.82	<5	40	<0.5	<2	7.55	<0.5	43	209	111
B681121		2.11				<0.5	7.80	7	30	<0.5	<2	7.69	<0.5	44	202	130
B681122		3.64				<0.5	7.59	<5	30	<0.5	<2	7.37	<0.5	44	211	117
B681123		3.77				<0.5	7.90	<5	40	<0.5	<2	7.43	<0.5	43	233	104
B681124		4.85				<0.5	7.85	<5	70	<0.5	<2	7.24	<0.5	46	229	98
B681125		4.43				<0.5	7.81	<5	130	<0.5	<2	6.97	<0.5	45	222	72
B681126		3.47				<0.5	7.85	7	290	<0.5	<2	6.21	<0.5	50	222	121
B681127		1.58				<0.5	9.37	<5	290	<0.5	<2	5.92	<0.5	46	52	154
B681128		5.70				<0.5	10.00	<5	190	0.5	<2	5.61	<0.5	46	49	421
B681129		2.63				<0.5	9.49	<5	270	<0.5	<2	5.91	<0.5	42	76	131
B681130		2.84				<0.5	9.60	<5	270	<0.5	<2	5.08	<0.5	43	59	343
B681131		3.32				0.9	8.94	<5	240	<0.5	<2	4.91	<0.5	83	23	3120
B681132		1.40				<0.5	8.92	8	170	<0.5	<2	4.46	<0.5	53	87	851
B681133		3.21				<0.5	8.35	9	140	<0.5	<2	5.12	<0.5	60	127	611
B681134		4.89				<0.5	8.54	<5	70	<0.5	<2	5.99	<0.5	45	78	118
B681135		4.93				<0.5	7.88	<5	70	<0.5	2	5.98	<0.5	43	85	62
B681136		3.41				<0.5	7.86	5	60	<0.5	<2	7.60	<0.5	46	215	126
B681137		3.51				<0.5	8.77	<5	280	<0.5	<2	4.72	<0.5	38	75	116
B681138		3.53				<0.5	9.61	9	250	<0.5	<2	5.74	<0.5	53	54	473
B681139		3.35				<0.5	8.59	<5	200	<0.5	<2	5.64	<0.5	50	60	328
B681140		4.14				<0.5	7.95	<5	130	<0.5	<2	5.92	<0.5	64	83	281
B681141		5.08				<0.5	7.97	5	130	<0.5	<2	5.97	<0.5	51	93	98
B681142		4.66				<0.5	7.80	<5	120	<0.5	<2	6.17	<0.5	48	100	80
B681143		4.78				<0.5	8.19	<5	130	<0.5	<2	5.77	<0.5	45	85	239
B681144		1.27				<0.5	7.31	<5	340	<0.5	<2	4.69	<0.5	38	78	243
B681145		2.43				<0.5	8.29	<5	180	<0.5	<2	5.34	<0.5	47	83	220
B681146		1.85				<0.5	8.53	<5	230	0.8	<2	4.88	<0.5	46	67	353
B681147		3.55				<0.5	7.70	<5	230	0.5	<2	5.47	<0.5	48	105	71
B681148		2.02				<0.5	7.22	<5	100	<0.5	<2	5.29	<0.5	50	83	151
B681149		4.48				<0.5	7.48	9	50	<0.5	2	6.12	<0.5	49	82	71
B681150		4.49				<0.5	7.46	6	40	<0.5	<2	6.12	<0.5	45	76	104
B681151		2.90				<0.5	7.90	5	40	<0.5	<2	6.66	<0.5	56	77	163
B681152		3.93				<0.5	7.36	<5	30	<0.5	<2	6.26	<0.5	46	78	7
B681153		3.75				<0.5	7.54	<5	30	<0.5	<2	6.44	<0.5	46	80	219
B681154		2.45				<0.5	7.28	8	40	<0.5	<2	7.12	<0.5	47	71	166
B681155		4.16				<0.5	7.38	5	30	<0.5	<2	6.44	<0.5	41	74	16



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Project: NORTH ROCK TRENCH #11

CERTIFICATE OF ANALYSIS TB06084811

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	V ppm	W ppm
B681116		9.45	0.42	3.34	1460	2	1.67	275	450	<2	0.28	<5	106	0.70	303	<10
B681117		9.63	0.55	3.07	1365	2	1.99	265	940	2	0.21	<5	145	0.78	860	<10
B681118		9.17	0.56	2.68	1410	3	2.13	375	1300	<2	0.47	<5	162	0.96	400	<10
B681119		8.91	0.60	2.71	1235	1	2.20	351	420	<2	0.41	<5	158	0.58	251	<10
B681120		8.50	0.22	4.40	1430	1	1.48	113	290	2	0.09	<5	88	0.53	283	<10
B681121		8.42	0.18	4.41	1430	1	1.44	116	290	<2	0.12	<5	88	0.52	282	<10
B681122		7.98	0.17	4.38	1385	1	1.42	119	260	<2	0.10	<5	91	0.50	275	<10
B681123		7.80	0.18	4.70	1450	2	1.60	129	250	<2	0.06	<5	103	0.46	261	<10
B681124		8.08	0.26	4.67	1530	1	1.68	129	250	2	0.05	<5	110	0.48	274	<10
B681125		8.74	0.49	4.43	1495	1	1.62	122	240	<2	0.02	<5	105	0.49	274	<10
B681126		9.33	0.77	4.35	1565	1	1.82	114	300	<2	0.01	<5	102	0.53	290	<10
B681127		7.05	0.74	2.18	971	2	2.58	210	710	<2	0.15	<5	227	0.23	277	<10
B681128		7.50	0.56	2.15	903	3	2.85	171	290	<2	0.22	<5	203	0.08	228	<10
B681129		8.68	0.70	2.61	1165	2	2.34	141	350	<2	0.06	<5	197	0.23	206	<10
B681130		7.92	0.72	2.11	947	3	2.59	162	320	<2	0.24	<5	212	0.10	189	<10
B681131		10.10	0.71	2.39	1110	2	2.41	276	1440	2	1.00	<5	170	0.16	442	<10
B681132		9.74	0.60	2.99	1280	6	2.30	133	520	<2	0.19	<5	158	0.18	197	<10
B681133		10.20	0.53	3.80	1450	3	2.06	206	610	2	0.22	<5	141	0.23	210	<10
B681134		9.64	0.32	3.40	1655	4	2.04	145	160	<2	0.08	<5	147	0.25	279	<10
B681135		11.00	0.37	3.39	2180	4	1.63	126	220	<2	0.02	<5	98	0.42	324	<10
B681136		8.62	0.25	4.38	1525	1	1.52	109	290	<2	0.08	<5	94	0.53	291	<10
B681137		8.12	0.83	2.54	1115	6	2.76	129	290	2	0.07	<5	181	0.13	183	<10
B681138		8.16	0.71	2.04	1005	3	2.55	262	370	<2	0.48	<5	222	0.18	226	<10
B681139		9.88	0.59	3.24	1270	2	2.16	189	560	2	0.33	<5	157	0.16	308	<10
B681140		9.92	0.48	4.02	1380	1	1.80	313	260	<2	0.23	<5	112	0.23	304	<10
B681141		9.64	0.44	3.99	1615	1	1.73	132	380	<2	0.05	<5	124	0.23	248	<10
B681142		10.95	0.46	4.25	2030	3	1.49	123	120	2	0.04	<5	105	0.23	305	<10
B681143		11.30	0.47	3.46	2030	3	1.61	135	350	<2	0.11	<5	123	0.44	411	<10
B681144		14.95	1.21	3.13	2720	212	0.80	79	110	6	0.05	<5	24	0.49	378	<10
B681145		9.27	0.58	3.27	1660	2	2.03	110	260	<2	0.06	<5	319	0.44	273	<10
B681146		6.20	0.44	2.35	834	2	2.68	87	920	<2	0.21	<5	764	0.37	145	<10
B681147		9.50	0.70	3.64	1960	2	1.90	109	480	<2	0.03	<5	265	0.67	304	<10
B681148		10.85	0.47	3.78	2240	2	1.49	62	130	<2	0.02	<5	119	0.68	346	<10
B681149		10.80	0.22	3.74	2620	2	1.67	105	110	<2	0.01	<5	135	0.57	323	<10
B681150		10.35	0.20	3.60	2330	4	1.78	93	130	2	0.02	<5	139	0.73	342	<10
B681151		10.45	0.18	3.82	2170	2	1.98	107	120	<2	0.07	<5	158	0.77	397	<10
B681152		10.05	0.16	3.84	2230	2	1.88	48	100	<2	<0.01	<5	145	0.79	367	<10
B681153		9.39	0.13	3.76	2190	2	2.03	76	120	<2	0.02	<5	165	0.85	380	<10
B681154		9.90	0.16	3.96	2210	1	1.90	65	260	<2	0.02	<5	152	0.96	389	<10
B681155		9.77	0.17	3.44	2200	1	1.82	57	90	<2	<0.01	<5	147	0.82	363	<10



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CERTIFICATE OF ANALYSIS TB06084811

Sample Description	Method Analyte Units LOR	ME-ICP61	PGM-MS24	PGM-MS24	PGM-MS24
		Zn	Au	Pt	Pd
		ppm	ppm	ppm	ppm
		2	0.001	0.0005	0.001
B681116		69	0.002	0.0381	0.154
B681117		66	0.023	0.0509	>1.00
B681118		63	0.004	0.0279	0.117
B681119		68	0.004	0.0360	0.131
B681120		83	0.003	0.0049	0.005
B681121		78	0.002	0.0048	0.005
B681122		78	0.002	0.0053	0.005
B681123		68	0.003	0.0061	0.006
B681124		73	0.002	0.0061	0.006
B681125		112	0.001	0.0053	0.005
B681126		139	0.002	0.0052	0.005
B681127		130	0.002	0.0206	0.022
B681128		144	0.004	0.0424	0.024
B681129		315	0.004	0.0227	0.030
B681130		281	0.005	0.0237	0.031
B681131		150	0.036	0.0093	0.157
B681132		76	0.016	0.0983	0.036
B681133		79	0.012	0.0826	0.043
B681134		70	0.010	0.0211	0.088
B681135		78	0.005	0.0092	0.033
B681136		89	0.002	0.0045	0.004
B681137		189	0.005	0.0456	0.023
B681138		121	0.003	0.0274	0.029
B681139		120	0.004	0.0910	0.064
B681140		87	0.006	0.0976	0.110
B681141		81	0.003	0.0050	0.016
B681142		90	0.005	0.0035	0.036
B681143		79	0.012	0.0337	0.136
B681144		85	0.014	0.0188	0.247
B681145		64	0.005	0.0110	0.030
B681146		45	0.004	0.0049	0.019
B681147		70	0.003	0.0058	0.069
B681148		76	0.003	0.0034	0.004
B681149		67	0.008	0.0659	0.069
B681150		64	0.004	0.0153	0.029
B681151		65	0.005	0.0139	0.060
B681152		66	0.001	0.0034	0.003
B681153		71	0.006	0.0130	0.031
B681154		75	0.005	0.0170	0.012
B681155		65	0.001	0.0050	0.004



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CERTIFICATE OF ANALYSIS TB06084811

Sample Description	Method Analyte Units LOR	WEI-21	PGM-ICP27	PGM-ICP27	PGM-ICP27	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd WL kg	Au ppm	Pt ppm	Pd ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.03	0.03	0.03	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1
B681156		4.30				0.7	7.23	12	30	<0.5	<2	6.29	<0.5	45	76	1150
B681157		3.19				<0.5	7.03	9	30	<0.5	<2	6.42	<0.5	50	63	716
B681158		3.63				<0.5	7.78	<5	50	0.5	2	6.96	<0.5	54	70	800
B681159		3.08				<0.5	7.21	<5	50	<0.5	<2	6.50	<0.5	47	60	51
B681160		4.05				<0.5	7.18	<5	40	<0.5	<2	6.18	<0.5	48	57	61
B681161		4.43				<0.5	7.20	<5	30	<0.5	<2	6.13	<0.5	51	59	29
B681162		3.56				<0.5	6.94	<5	40	<0.5	<2	6.17	<0.5	44	60	10
B681163		3.11				<0.5	7.02	5	40	<0.5	<2	6.27	<0.5	48	66	23
B681164		4.74				<0.5	7.02	<5	40	<0.5	<2	6.12	<0.5	49	62	31
B681165		6.83				<0.5	7.11	<5	30	<0.5	<2	6.09	<0.5	51	64	21
B681166		6.21				<0.5	7.27	<5	90	<0.5	<2	5.87	<0.5	47	61	28
B681167		5.99				<0.5	6.97	<5	80	<0.5	<2	6.16	<0.5	46	62	15
B681168		5.67				0.7	6.45	<5	170	<0.5	<2	4.73	<0.5	44	46	1440
B681169		3.28				<0.5	5.51	6	160	<0.5	<2	4.53	<0.5	48	198	835
B681170		4.10				<0.5	5.68	11	250	<0.5	<2	4.50	<0.5	60	143	458
B681171		3.14				0.7	4.17	70	50	<0.5	<2	5.53	<0.5	67	362	1290
B681172		2.74				<0.5	7.17	6	140	0.8	<2	5.95	<0.5	51	366	99
B681173		1.62				<0.5	6.48	17	180	0.9	<2	6.78	<0.5	56	631	31
B681174		1.49				<0.5	6.88	<5	90	<0.5	<2	6.00	<0.5	55	138	90
B681175		2.24				<0.5	6.87	<5	270	<0.5	<2	5.02	<0.5	49	58	236
B681176		1.93				<0.5	6.93	<5	60	0.7	3	5.72	<0.5	41	65	176
B681177		3.52				<0.5	6.87	30	70	0.5	<2	6.04	<0.5	63	78	1000
B681178		3.48				<0.5	7.32	<5	80	0.6	<2	6.42	<0.5	48	60	29
B681179		3.28				<0.5	7.09	<5	110	<0.5	<2	6.89	<0.5	47	56	59
B681180		3.09				<0.5	7.09	<5	100	0.5	<2	6.26	<0.5	43	56	54
B681181		2.86				<0.5	6.55	5	80	<0.5	<2	6.45	<0.5	41	47	24
B681182		3.52				<0.5	7.10	<5	80	0.7	<2	6.20	<0.5	45	58	67
B681183		3.74				<0.5	7.01	<5	70	0.5	<2	6.19	<0.5	46	59	45
B681184		4.06				<0.5	7.25	<5	80	0.5	<2	6.36	<0.5	48	61	26
B681185		3.40				<0.5	6.97	<5	70	0.5	<2	6.48	<0.5	47	54	46
B681186		3.69				<0.5	7.35	<5	90	0.6	<2	6.06	<0.5	43	56	60
B681187		3.66				<0.5	7.70	<5	90	0.6	<2	6.71	<0.5	43	57	33
B681188		4.40				<0.5	7.26	6	90	0.5	<2	6.21	<0.5	41	51	24
B681189		2.13				<0.5	7.50	<5	80	0.5	<2	5.97	<0.5	47	56	37
B681190		1.89				<0.5	7.66	<5	90	0.6	<2	6.12	<0.5	42	59	13
B681191		3.18				<0.5	7.39	59	80	0.6	<2	6.12	<0.5	55	58	1640
B681192		3.20				0.8	6.85	117	50	0.5	<2	5.89	<0.5	48	51	1680
B681193		2.49				<0.5	7.39	25	110	0.5	<2	5.76	<0.5	41	56	57
B681194		4.06				<0.5	7.56	<5	100	0.5	<2	6.73	<0.5	44	48	36
B681195		3.36				<0.5	7.80	<5	90	0.6	<2	7.12	<0.5	47	51	63



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Account: METCOR

Project: NORTH ROCK TRENCH #11

CERTIFICATE OF ANALYSIS TB06084811

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W
		%	%	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.01	0.01	5	1	0.01	1	10	2	0.01	5	0.01	1	10	
B681156		10.30	0.16	3.76	2140	1	1.83	101	200	2	0.11	<5	139	0.91	392	10
B681157		10.65	0.19	2.91	1845	1	1.79	103	180	<2	0.08	<5	137	0.90	387	<10
B681158		11.50	0.27	2.68	1935	2	1.98	89	160	4	0.06	<5	157	1.01	439	10
B681159		11.80	0.26	2.90	2380	1	1.71	48	330	<2	<0.01	<5	124	0.98	390	<10
B681160		11.05	0.20	3.07	2230	2	2.10	39	460	<2	<0.01	<5	149	1.03	388	<10
B681161		11.70	0.20	3.15	2270	1	1.91	37	500	3	<0.01	<5	137	1.04	385	<10
B681162		11.20	0.21	3.19	2200	1	1.85	39	490	<2	<0.01	<5	150	0.98	369	<10
B681163		11.20	0.21	3.24	2240	2	2.01	42	460	<2	<0.01	<5	170	0.99	384	<10
B681164		11.40	0.22	2.98	2340	2	2.09	43	440	<2	<0.01	<5	168	1.00	385	<10
B681165		11.85	0.20	2.89	2450	1	2.18	45	390	<2	<0.01	<5	175	0.98	392	<10
B681166		10.55	0.32	2.44	2180	1	2.22	35	320	<2	0.01	<5	211	1.05	431	<10
B681167		11.35	0.34	2.87	2240	1	1.78	40	380	<2	<0.01	<5	171	0.99	391	<10
B681168		11.05	0.50	3.12	1900	2	1.40	73	520	<2	0.17	<5	117	0.98	327	10
B681169		10.50	0.51	3.42	1825	9	1.00	111	760	3	0.12	<5	65	0.64	231	<10
B681170		10.30	0.72	3.54	1690	7	1.20	116	480	<2	0.17	<5	78	0.59	287	<10
B681171		8.82	0.22	3.13	1530	1	0.69	138	570	<2	0.14	<5	52	0.18	162	<10
B681172		9.38	0.40	4.47	1925	2	2.29	181	980	<2	0.05	<5	352	0.75	283	<10
B681173		8.91	0.57	7.27	1950	2	1.36	359	1120	<2	<0.01	<5	212	0.38	155	<10
B681174		10.90	0.30	3.66	2110	2	2.13	107	660	<2	<0.01	<5	202	0.93	351	<10
B681175		10.70	0.68	2.76	1930	2	2.19	102	680	<2	0.05	<5	147	0.98	359	<10
B681176		10.50	0.23	2.73	1860	2	2.42	119	630	2	0.05	<5	184	0.98	365	<10
B681177		10.90	0.23	2.80	1930	2	2.30	197	610	<2	0.24	<5	211	1.00	373	<10
B681178		12.25	0.33	2.77	2280	2	2.14	41	640	<2	0.02	<5	151	1.06	391	<10
B681179		10.70	0.37	2.92	2060	1	1.88	55	630	<2	<0.01	<5	133	1.05	390	<10
B681180		10.80	0.35	3.23	2130	2	2.08	38	630	<2	0.01	<5	141	1.04	373	<10
B681181		10.90	0.30	3.23	2020	2	1.78	35	570	<2	<0.01	<5	98	0.94	342	<10
B681182		11.75	0.29	3.28	2190	3	2.29	53	600	<2	0.01	<5	126	1.03	379	<10
B681183		11.80	0.29	2.88	2120	1	2.19	41	600	<2	<0.01	<5	130	0.97	362	<10
B681184		12.10	0.29	2.48	2210	2	2.44	36	660	<2	<0.01	<5	147	1.04	380	<10
B681185		11.45	0.28	2.32	2120	2	2.30	35	650	<2	<0.01	<5	164	1.01	371	<10
B681186		11.70	0.33	2.41	2130	<1	2.22	37	640	3	0.02	<5	156	1.02	360	<10
B681187		12.15	0.31	2.57	2190	<1	2.26	33	680	4	0.01	<5	168	1.07	389	10
B681188		11.60	0.32	2.30	2040	<1	2.11	32	650	<2	<0.01	<5	163	1.01	357	<10
B681189		12.55	0.35	2.38	2080	<1	2.22	31	650	4	<0.01	<5	140	1.01	362	<10
B681190		10.85	0.32	2.22	1895	<1	2.34	32	700	2	<0.01	5	191	1.09	387	<10
B681191		11.65	0.31	2.54	1835	<1	2.27	176	630	8	0.29	<5	169	1.02	376	<10
B681192		11.50	0.24	2.59	1815	<1	2.22	206	610	<2	0.25	<5	129	0.95	354	<10
B681193		11.15	0.35	2.55	1830	<1	2.40	38	670	5	0.01	<5	146	1.04	376	<10
B681194		11.65	0.40	2.43	1685	<1	2.33	33	720	<2	<0.01	<5	138	1.07	379	<10
B681195		11.95	0.36	2.70	1745	<1	2.43	35	720	2	0.03	<5	156	1.11	387	<10



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Project: NORTH ROCK TRENCH #11

CERTIFICATE OF ANALYSIS TB06084811

Sample Description	Method Analyte Units LOR	ME-ICP61	PGM-MS24	PGM-MS24	PGM-MS24
		Zn	Au	Pt	Pd
		ppm	ppm	ppm	ppm
		2	0.001	0.0005	0.001
B681156		79	0.019	0.0108	0.046
B681157		76	0.016	0.0294	0.056
B681158		95	0.069	0.0181	0.124
B681159		85	0.002	0.0029	0.003
B681160		78	0.001	0.0026	0.002
B681161		81	0.001	0.0026	0.002
B681162		75	0.001	0.0027	0.002
B681163		75	0.002	0.0041	0.005
B681164		73	0.001	0.0027	0.002
B681165		74	0.001	0.0027	0.002
B681166		68	0.001	0.0028	0.002
B681167		74	0.001	0.0027	0.002
B681168		74	0.027	0.0026	0.005
B681169		73	0.017	0.0026	0.011
B681170		77	0.005	0.0019	0.002
B681171		64	0.016	0.0023	0.010
B681172		78	0.002	0.0051	0.008
B681173		100	0.001	0.0045	0.005
B681174		81	0.004	0.0024	0.002
B681175		79	0.024	0.0030	0.047
B681176		75	0.081	0.0040	0.049
B681177		84	0.024	0.0544	0.138
B681178		84	0.002	0.0025	0.002
B681179		80	0.001	0.0024	0.002
B681180		78	0.001	0.0024	0.002
B681181		76	0.001	0.0023	0.002
B681182		82	0.099	0.0023	0.002
B681183		79	0.001	0.0026	0.004
B681184		77	0.001	0.0024	0.002
B681185		72	0.001	0.0024	0.002
B681186		68	0.004	0.0025	0.002
B681187		72	0.007	0.0021	0.002
B681188		70	0.001	0.0022	0.002
B681189		74	0.001	0.0025	0.002
B681190		68	0.001	0.0025	0.002
B681191		119	0.020	0.0317	0.045
B681192		77	0.025	0.0399	0.060
B681193		73	0.001	0.0026	0.002
B681194		79	0.004	0.0026	0.002
B681195		84	0.002	0.0023	0.002



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CERTIFICATE OF ANALYSIS TB06084811

Sample Description	Method Analyte Units LOR	WEI-21	PGM-ICP27	PGM-ICP27	PGM-ICP27	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		Recvd Wt. kg	Au ppm	Pt ppm	Pd ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.03	0.03	0.03	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1
B681196		4.44				<0.5	7.60	20	120	0.5	<2	6.74	<0.5	42	58	46
B681197		5.96				<0.5	7.43	78	110	0.5	<2	6.68	<0.5	42	55	46
B681198		5.72				<0.5	7.34	<5	90	0.6	<2	6.68	<0.5	44	54	56
B681199		3.56				<0.5	7.35	<5	60	0.6	<2	5.63	<0.5	49	52	759
B681200		3.58				1.5	5.31	14	30	0.6	<2	8.77	<0.5	97	189	4700



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Project: NORTH ROCK TRENCH #11

CERTIFICATE OF ANALYSIS TB06084811

Sample Description	Method	Analyte	Units	LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61			
					Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W
					%	%	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
					0.01	0.01	0.01	5	1	0.01	1	10	2	0.01	5	1	0.01	1	10
B681196					11.50	0.41	2.32	1685	<1	2.24	35	680	6	<0.01	<5	160	1.07	389	<10
B681197					11.20	0.39	2.35	1630	<1	2.17	36	650	<2	0.01	<5	165	1.05	385	<10
B681198					11.80	0.36	2.21	1685	<1	2.11	33	660	3	<0.01	<5	181	1.06	388	<10
B681199					11.10	0.25	2.72	1530	<1	2.48	129	470	3	0.15	<5	158	1.04	420	<10
B681200					15.65	0.25	4.27	1995	<1	0.86	341	9400	7	0.66	<5	24	0.65	1835	<10



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CERTIFICATE OF ANALYSIS TB06084811

Sample Description	Method Analyte Units LOR	ME-ICP61	PGM-MS24	PGM-MS24	PGM-MS24
		Zn ppm 2	Au ppm 0.001	Pt ppm 0.0005	Pd ppm 0.001
B681196		75	0.001	0.0025	0.002
B681197		80	0.001	0.0023	0.002
B681198		80	0.001	0.0021	0.002
B681199		98	0.008	0.0030	0.006
B681200		167	0.079	0.0032	0.543



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Finalized Date: 25-SEP-2006
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CERTIFICATE TB06084862

Project: North Rock

P.O. No.:

This report is for 151 Channel samples submitted to our lab in Thunder Bay, ON, Canada on 1-SEP-2006.

The following have access to data associated with this certificate:

MITCH DUMOULIN

AUBREY J. EVELEIGH

A.D. MACTAVISH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	27 element four acid ICP-AES	ICP-AES
PGM-MS24	Pt, Pd and Au 50g FA ICP-MS	ICP-MS

To: METAL CORP LTD
ATTN: AUBREY J. EVELEIGH
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Keith Rogers, Executive Manager Vancouver Laboratory



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Project: North Rock

CERTIFICATE OF ANALYSIS TB06084862

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	0.01	0.01	0.01	
B681201		2.04	<0.5	9.34	<5	50	<0.5	<2	7.00	<0.5	41	22	88	8.69	0.24	2.53
B681202		4.63	<0.5	9.50	<5	50	<0.5	<2	7.24	<0.5	44	22	99	9.25	0.25	2.63
B681203		4.65	<0.5	8.95	<5	50	<0.5	<2	7.24	<0.5	35	20	76	8.68	0.22	2.49
B681204		5.78	<0.5	9.10	<5	40	<0.5	<2	7.55	<0.5	41	25	160	9.84	0.24	2.67
B681205		4.89	<0.5	9.33	<5	60	<0.5	<2	7.85	<0.5	47	26	141	10.75	0.33	2.80
B681206		2.53	<0.5	8.64	<5	80	<0.5	<2	7.15	<0.5	40	108	96	9.72	0.34	3.38
B681207		2.96	<0.5	9.29	<5	50	<0.5	<2	7.78	<0.5	40	21	90	9.74	0.25	2.72
B681208		3.62	<0.5	9.41	<5	50	<0.5	<2	7.87	<0.5	43	20	105	10.25	0.26	2.82
B681209		2.04	<0.5	8.05	<5	40	<0.5	<2	6.83	<0.5	39	136	86	9.45	0.22	3.61
B681210		4.32	<0.5	9.58	<5	60	<0.5	<2	8.11	<0.5	49	16	186	10.85	0.30	2.90
B681211		3.93	<0.5	9.08	<5	60	<0.5	<2	7.71	<0.5	43	15	151	9.67	0.26	2.69
B681212		4.26	<0.5	9.86	<5	50	<0.5	<2	7.53	<0.5	31	18	83	6.92	0.19	2.33
B681213		4.77	<0.5	10.15	<5	50	<0.5	<2	7.90	<0.5	34	21	77	7.28	0.21	2.35
B681214		3.89	<0.5	8.31	<5	40	<0.5	<2	7.95	<0.5	54	52	128	10.50	0.22	3.92
B681215		3.39	<0.5	9.74	<5	50	<0.5	<2	7.82	<0.5	36	66	74	7.47	0.20	2.90
B681216		3.52	<0.5	9.17	<5	50	<0.5	<2	7.98	<0.5	44	83	100	8.71	0.23	4.00
B681217		4.97	<0.5	8.57	<5	50	<0.5	<2	7.88	<0.5	40	94	64	8.15	0.20	3.98
B681218		5.59	<0.5	7.95	<5	50	<0.5	<2	7.64	<0.5	47	84	107	9.47	0.22	4.09
B681219		5.28	<0.5	8.40	<5	40	<0.5	<2	8.23	<0.5	43	87	53	9.50	0.19	4.22
B681220		5.35	<0.5	8.62	<5	50	<0.5	<2	7.94	<0.5	44	77	64	9.21	0.21	3.93
B681221		5.29	<0.5	8.31	<5	40	<0.5	<2	7.77	<0.5	44	77	19	9.68	0.21	3.78
B681222		3.73	<0.5	8.22	<5	50	<0.5	<2	7.39	<0.5	45	67	88	9.70	0.22	3.65
B681223		6.05	<0.5	9.50	<5	70	<0.5	<2	7.22	<0.5	39	74	109	7.97	0.27	3.48
B681224		6.01	<0.5	2.53	<5	<10	<0.5	<2	2.97	<0.5	127	1350	209	19.20	0.03	10.10
B681225		4.93	<0.5	2.60	7	<10	<0.5	<2	2.97	<0.5	123	1315	176	19.80	0.03	10.25
B681226		5.77	<0.5	2.17	17	10	<0.5	<2	3.31	<0.5	134	1450	33	20.3	0.02	10.55
B681227		6.13	<0.5	2.36	6	10	<0.5	<2	2.99	<0.5	132	1245	125	18.50	0.02	9.72
B681228		3.48	<0.5	3.13	<5	20	<0.5	<2	3.37	<0.5	124	1460	357	18.75	0.03	10.75
B681229		1.82	<0.5	2.72	<5	<10	<0.5	<2	2.53	<0.5	110	1500	60	17.75	0.02	11.05
B681230		3.23	<0.5	4.61	<5	90	<0.5	<2	6.47	<0.5	80	398	1510	16.20	0.43	5.91
B681231		2.36	<0.5	4.56	<5	160	<0.5	<2	6.33	<0.5	78	742	314	15.85	0.91	6.00
B681232		2.09	<0.5	7.14	<5	130	<0.5	<2	7.08	<0.5	79	168	1070	15.30	0.55	3.93
B681233		2.33	<0.5	2.38	11	<10	<0.5	<2	3.46	<0.5	117	1375	23	19.70	0.03	9.92
B681234		4.03	<0.5	2.73	<5	10	<0.5	<2	3.15	<0.5	115	1610	448	18.70	0.02	10.15
B681235		4.20	<0.5	2.83	<5	10	<0.5	<2	3.89	<0.5	107	1410	192	18.20	0.04	10.20
B681236		5.04	<0.5	2.63	<5	10	<0.5	<2	3.22	<0.5	105	1265	308	18.65	0.04	9.76
B681237		3.51	<0.5	3.29	<5	10	<0.5	<2	4.05	<0.5	106	1200	504	17.10	0.06	9.46
B681238		2.38	<0.5	2.28	<5	10	<0.5	<2	1.97	<0.5	145	1570	1320	20.1	0.02	9.71
B681239		3.92	0.5	3.36	<5	10	<0.5	<2	3.87	<0.5	127	914	2160	16.05	0.06	9.46
B681240		3.47	0.6	2.46	<5	<10	<0.5	3	3.27	<0.5	171	1450	2730	18.05	0.03	9.96



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CERTIFICATE OF ANALYSIS TB06084862

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.001	0.0005
B681201		1295	<1	2.05	47	220	2	0.10	<5	158	0.56	333	<10	60	0.002	0.0028
B681202		1355	<1	1.97	46	240	<2	0.10	<5	150	0.63	377	<10	63	0.001	0.0018
B681203		1270	1	2.09	44	200	7	0.07	<5	143	0.57	348	<10	59	0.002	0.0023
B681204		1450	1	1.91	52	190	6	0.10	<5	134	0.73	499	<10	62	0.002	0.0018
B681205		1480	2	1.91	61	180	<2	0.06	<5	128	0.76	542	<10	66	0.002	0.0018
B681206		1380	1	2.22	95	300	<2	0.07	<5	168	0.72	317	<10	74	0.001	0.0012
B681207		1400	1	1.93	55	180	3	0.06	<5	166	0.72	523	<10	65	0.001	0.0019
B681208		1480	1	1.99	53	160	<2	0.05	<5	150	0.80	589	<10	67	0.002	0.0020
B681209		1380	<1	2.21	103	320	6	0.09	<5	168	0.80	284	<10	87	0.001	<0.0005
B681210		1550	1	1.91	57	170	<2	0.11	<5	136	0.89	662	<10	76	0.002	0.0021
B681211		1370	1	1.80	56	160	<2	0.14	<5	128	0.79	573	<10	66	0.002	0.0013
B681212		980	2	2.57	46	70	4	0.06	<5	179	0.56	272	<10	57	0.011	0.0061
B681213		986	3	2.42	54	50	5	0.06	<5	171	0.53	263	<10	50	0.006	0.0122
B681214		1500	4	1.74	88	480	5	0.13	<5	106	0.63	351	<10	68	0.002	0.0026
B681215		1130	<1	2.39	63	160	2	0.06	<5	155	0.47	240	<10	55	0.039	0.0081
B681216		1340	1	2.01	93	180	2	0.07	<5	121	0.35	203	<10	66	0.086	0.0228
B681217		1360	1	1.81	76	140	<2	0.03	<5	120	0.40	222	<10	66	0.006	0.0023
B681218		1630	1	1.56	77	220	<2	0.05	<5	95	0.46	252	<10	78	0.003	0.0039
B681219		1650	1	1.78	71	140	<2	0.01	<5	120	0.57	279	10	78	0.001	0.0018
B681220		1560	1	1.96	68	230	<2	0.02	<5	123	0.45	233	<10	81	0.001	0.0013
B681221		1610	1	1.86	76	110	<2	0.01	<5	108	0.40	203	<10	87	0.030	0.0030
B681222		1690	2	1.88	79	260	3	0.04	<5	121	0.58	206	<10	78	0.003	0.0097
B681223		1410	1	2.08	95	260	2	0.07	<5	138	0.44	181	<10	66	0.002	0.0108
B681224		2930	1	0.12	1120	120	5	0.28	<5	3	0.62	335	<10	150	0.003	0.0024
B681225		2980	1	0.12	860	130	<2	0.07	<5	3	0.65	385	<10	157	0.003	0.0057
B681226		2760	1	0.09	859	110	6	0.04	<5	6	0.65	483	10	140	0.002	0.0131
B681227		2220	1	0.06	1060	110	6	0.11	<5	7	0.47	371	<10	124	0.002	0.0021
B681228		2520	1	0.11	868	210	3	0.16	<5	3	0.59	426	<10	133	0.007	0.0136
B681229		3140	1	0.07	838	110	3	0.10	<5	1	0.53	414	<10	141	0.002	0.0133
B681230		1970	2	0.96	233	280	10	0.19	<5	65	1.09	189	<10	100	0.048	0.0051
B681231		1700	4	0.80	237	230	3	0.04	<5	32	0.66	295	<10	98	0.016	0.0161
B681232		1390	1	1.53	160	70	10	0.14	<5	132	0.37	235	<10	91	0.010	0.0089
B681233		2610	1	0.13	533	130	9	0.01	<5	2	0.76	625	<10	113	0.002	0.0035
B681234		2580	1	0.11	701	150	3	0.09	<5	3	0.53	374	<10	120	0.007	0.0079
B681235		2840	1	0.17	626	130	4	0.05	<5	3	0.55	409	<10	135	0.003	0.0055
B681236		2840	1	0.13	620	250	<2	0.09	<5	4	0.63	395	<10	134	0.004	0.0063
B681237		2430	1	0.22	598	280	8	0.10	<5	5	0.56	327	<10	134	0.007	0.0050
B681238		3130	1	0.06	1010	180	6	0.57	<5	1	0.64	398	<10	149	0.019	0.0353
B681239		2410	<1	0.20	918	160	<2	0.37	<5	6	0.56	384	<10	155	0.032	0.0336
B681240		2420	<1	0.10	1740	110	<2	0.73	6	4	0.59	392	<10	153	0.052	0.0472



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CERTIFICATE OF ANALYSIS TB06084862

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
B681201		0.004
B681202		0.002
B681203		0.002
B681204		0.002
B681205		0.002
B681206		0.002
B681207		0.002
B681208		0.002
B681209		<0.001
B681210		0.002
B681211		0.003
B681212		0.014
B681213		0.027
B681214		0.004
B681215		0.032
B681216		0.071
B681217		0.009
B681218		0.008
B681219		0.003
B681220		0.001
B681221		0.032
B681222		0.024
B681223		0.021
B681224		0.004
B681225		0.004
B681226		0.014
B681227		0.005
B681228		0.025
B681229		0.020
B681230		0.110
B681231		0.134
B681232		0.006
B681233		0.009
B681234		0.012
B681235		0.012
B681236		0.010
B681237		0.008
B681238		0.086
B681239		0.113
B681240		0.174



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CERTIFICATE OF ANALYSIS TB06084862

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	0.01	0.01	0.01	
B681241		5.55	<0.5	2.54	7	<10	<0.5	2	2.76	<0.5	134	1340	397	19.00	0.02	10.55
B681242		2.62	<0.5	2.44	<5	10	<0.5	6	3.27	<0.5	134	1850	189	19.50	0.02	10.30
B681243		3.36	<0.5	2.79	<5	10	<0.5	2	3.37	<0.5	115	1610	25	16.85	0.04	10.10
B681244		2.20	<0.5	4.45	<5	10	<0.5	2	3.56	<0.5	122	1320	1220	17.20	0.08	8.67
B681245		2.44	<0.5	2.59	<5	60	<0.5	3	4.73	<0.5	100	1230	409	14.80	0.35	8.63
B681246		3.38	<0.5	5.32	<5	120	<0.5	3	6.42	<0.5	85	220	1430	14.40	0.65	4.91
B681247		5.59	<0.5	2.37	27	<10	<0.5	4	2.93	<0.5	134	1310	249	18.60	0.02	10.30
B681248		5.78	<0.5	2.56	<5	<10	<0.5	<2	3.12	<0.5	134	1650	464	18.00	0.03	9.94
B681249		3.42	<0.5	2.12	<5	<10	<0.5	4	2.56	<0.5	161	1510	1290	18.40	0.02	10.10
B681250		3.46	<0.5	2.57	<5	<10	<0.5	3	3.03	<0.5	131	1590	828	16.05	0.03	10.40
B681251		1.52	<0.5	3.79	<5	50	<0.5	<2	4.66	<0.5	102	987	97	14.95	0.27	8.20
B681252		1.89	<0.5	5.15	<5	90	<0.5	2	6.35	<0.5	96	1120	48	15.65	0.58	5.68
B681253		6.30	<0.5	2.19	<5	<10	<0.5	<2	2.49	<0.5	141	1600	1430	19.45	0.02	10.35
B681254		4.75	<0.5	3.96	5	20	<0.5	<2	6.66	<0.5	89	1030	146	13.55	0.15	7.81
B681255		4.13	<0.5	10.20	<5	90	<0.5	<2	6.16	<0.5	40	95	95	6.66	0.26	2.09
B681256		4.04	<0.5	10.50	5	70	<0.5	<2	6.61	<0.5	31	74	53	6.10	0.19	2.09
B681257		3.58	<0.5	10.15	7	100	<0.5	<2	6.91	<0.5	33	69	104	6.04	0.31	2.05
B681258		3.23	<0.5	9.64	<5	100	<0.5	<2	5.05	<0.5	38	62	31	7.56	0.34	2.34
B681259		1.11	<0.5	8.98	<5	70	<0.5	<2	6.99	<0.5	44	207	44	9.10	0.30	4.16
B681260		1.10	<0.5	10.80	14	80	<0.5	<2	6.92	<0.5	63	62	171	7.47	0.21	2.36
B681261		3.28	<0.5	8.42	<5	50	<0.5	<2	7.44	<0.5	45	198	136	8.54	0.21	4.50
B681262		3.72	<0.5	8.29	11	60	<0.5	<2	7.37	<0.5	44	210	170	8.69	0.23	4.66
B681263		2.08	<0.5	8.30	<5	80	<0.5	<2	7.47	<0.5	48	312	103	9.22	0.33	5.27
B681264		2.47	<0.5	8.25	12	80	<0.5	<2	7.13	<0.5	46	229	93	8.79	0.30	4.72
B681265		3.43	<0.5	7.89	<5	90	<0.5	<2	6.79	<0.5	46	221	220	9.00	0.36	4.42
B681266		3.34	<0.5	9.62	5	100	<0.5	<2	6.78	<0.5	36	83	42	7.54	0.28	2.57
B681267		4.32	<0.5	10.50	<5	100	<0.5	<2	7.36	<0.5	33	70	55	8.01	0.29	2.50
B681268		4.31	<0.5	10.80	8	80	<0.5	<2	7.91	<0.5	41	28	112	8.99	0.28	2.55
B681269		3.88	<0.5	10.25	<5	70	<0.5	<2	7.29	<0.5	40	21	139	8.49	0.27	2.64
B681270		4.64	<0.5	9.83	13	90	0.5	<2	6.81	<0.5	44	49	315	8.90	0.34	3.11
B681271		3.77	<0.5	9.73	<5	110	<0.5	<2	6.36	<0.5	57	65	329	8.80	0.42	2.97
B681272		4.35	<0.5	9.89	6	100	<0.5	<2	6.50	<0.5	45	99	185	9.41	0.44	3.19
B681273		3.68	<0.5	9.23	<5	90	<0.5	<2	6.07	<0.5	57	82	632	9.40	0.39	2.70
B681274		2.25	<0.5	9.37	8	110	<0.5	<2	6.06	<0.5	39	46	164	9.06	0.44	3.08
B681275		2.15	<0.5	9.46	<5	150	<0.5	6	6.06	<0.5	35	66	119	9.92	0.55	2.86
B681276		5.05	<0.5	7.92	<5	70	<0.5	2	6.80	<0.5	45	234	142	8.52	0.29	4.62
B681277		3.42	<0.5	7.84	<5	80	<0.5	<2	6.93	<0.5	46	235	106	8.46	0.29	4.69
B681278		2.31	<0.5	8.10	<5	70	<0.5	<2	7.31	<0.5	46	229	111	8.70	0.26	4.72
B681279		1.93	<0.5	8.02	<5	70	<0.5	<2	7.20	<0.5	46	194	166	8.63	0.27	4.36
B681280		3.08	<0.5	10.10	<5	100	<0.5	<2	7.73	<0.5	43	59	96	8.33	0.35	2.74



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		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
B681241		2600	<1	0.08	1010	120	<2	0.09	<5	4	0.60	430	<10	140	0.009	0.0233
B681242		2380	<1	0.08	1170	150	<2	0.14	5	5	0.70	581	<10	129	0.007	0.0092
B681243		2400	<1	0.15	799	120	<2	0.02	<5	5	0.67	516	<10	136	0.001	0.0050
B681244		1810	6	0.21	422	460	<2	0.18	<5	6	0.58	428	<10	141	0.019	0.0109
B681245		2330	<1	0.22	391	700	<2	0.12	6	8	0.49	404	<10	132	0.012	0.0138
B681246		1580	1	1.10	211	410	<2	0.18	<5	65	0.37	251	<10	92	0.033	0.135
B681247		2450	<1	0.06	1050	150	<2	0.08	<5	5	0.52	435	<10	124	0.005	0.0040
B681248		2370	<1	0.13	827	230	<2	0.11	<5	4	0.85	648	<10	122	0.008	0.0229
B681249		2880	<1	0.08	1425	120	<2	0.63	5	2	0.67	544	<10	134	0.024	0.0337
B681250		2980	<1	0.11	1235	120	<2	0.39	<5	3	0.57	404	<10	144	0.012	0.0334
B681251		2360	<1	0.42	658	150	<2	0.10	<5	9	0.56	287	<10	118	0.002	0.0009
B681252		1900	1	0.81	266	30	<2	0.01	<5	17	1.30	394	<10	112	0.001	0.0223
B681253		2980	<1	0.07	1070	160	<2	0.45	<5	2	0.62	493	<10	135	0.012	0.0125
B681254		2130	<1	0.38	486	160	<2	0.10	<5	9	0.81	440	<10	129	0.001	0.0021
B681255		972	1	3.03	129	150	<2	0.14	<5	210	0.48	163	<10	84	0.003	0.146
B681256		947	<1	2.97	90	450	4	0.05	<5	203	0.39	149	<10	66	0.001	0.0034
B681257		947	<1	2.77	95	350	3	0.07	<5	204	0.45	183	<10	70	0.001	0.0012
B681258		1300	<1	3.04	97	440	<2	0.04	<5	189	0.48	187	<10	85	0.001	0.0025
B681259		1590	<1	2.24	112	410	2	0.01	<5	120	0.52	273	<10	85	0.001	0.0049
B681260		1190	8	2.75	238	570	3	0.25	<5	198	0.64	165	10	66	0.005	0.339
B681261		1490	<1	1.66	114	320	<2	0.09	<5	101	0.52	286	<10	68	0.001	0.0045
B681262		1530	<1	1.77	114	290	4	0.05	<5	127	0.54	296	<10	61	0.003	0.0047
B681263		1640	<1	1.75	141	250	<2	0.04	5	116	0.53	297	<10	75	0.002	0.0058
B681264		1510	<1	1.77	120	290	<2	0.03	<5	124	0.51	285	<10	65	0.002	0.0054
B681265		1660	<1	1.72	116	380	<2	0.04	6	104	0.52	289	<10	71	0.007	0.0053
B681266		1360	<1	2.25	60	360	<2	0.04	<5	170	0.52	228	<10	62	0.001	0.0027
B681267		1420	<1	2.35	63	340	<2	0.05	7	181	0.66	333	<10	60	0.002	0.0051
B681268		1480	<1	2.26	88	370	3	0.09	<5	190	0.86	557	<10	66	0.001	0.0049
B681269		1340	<1	2.28	85	290	<2	0.15	<5	169	0.84	476	<10	66	0.002	0.0038
B681270		1370	1	2.35	132	440	4	0.19	<5	162	0.80	207	<10	69	0.011	0.0478
B681271		1430	4	2.20	205	700	4	0.47	<5	152	0.92	196	<10	65	0.006	0.0376
B681272		1640	3	1.95	133	430	6	0.22	5	139	1.13	204	<10	62	0.003	0.0311
B681273		1470	5	1.84	203	620	3	0.61	<5	143	0.95	260	<10	63	0.008	0.0230
B681274		1530	1	1.91	125	220	2	0.16	8	161	0.76	173	<10	71	0.010	0.0434
B681275		1730	2	2.00	106	480	<2	0.07	6	158	1.24	249	<10	72	0.007	0.0370
B681276		1550	<1	1.98	122	270	<2	0.03	<5	123	0.50	268	<10	71	0.002	0.0057
B681277		1580	<1	1.94	112	280	<2	0.01	<5	115	0.52	280	<10	71	0.001	0.0055
B681278		1655	<1	2.01	112	300	<2	0.04	5	115	0.55	290	<10	85	0.002	0.0047
B681279		1655	<1	1.98	104	310	<2	0.05	<5	114	0.53	272	<10	90	0.002	0.0044
B681280		1520	<1	2.26	68	400	<2	0.08	<5	187	0.76	317	<10	74	0.002	0.0022



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CERTIFICATE OF ANALYSIS TB06084862

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
B681241		0.034
B681242		0.034
B681243		0.010
B681244		0.063
B681245		0.045
B681246		0.096
B681247		0.008
B681248		0.061
B681249		0.121
B681250		0.073
B681251		0.002
B681252		0.012
B681253		0.026
B681254		0.007
B681255		0.272
B681256		0.007
B681257		0.006
B681258		0.010
B681259		0.006
B681260		0.146
B681261		0.004
B681262		0.004
B681263		0.005
B681264		0.004
B681265		0.004
B681266		0.003
B681267		0.008
B681268		0.002
B681269		0.007
B681270		0.073
B681271		0.077
B681272		0.045
B681273		0.044
B681274		0.047
B681275		0.021
B681276		0.005
B681277		0.005
B681278		0.004
B681279		0.004
B681280		0.002



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CERTIFICATE OF ANALYSIS TB06084862

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	0.01	0.01	0.01	
B681281		3.22	<0.5	8.94	<5	150	<0.5	<2	6.77	<0.5	39	23	81	7.84	0.63	2.38
B681282		2.26	<0.5	9.61	<5	130	<0.5	<2	6.71	<0.5	37	12	92	8.16	0.54	2.39
B681283		2.69	<0.5	9.98	<5	120	<0.5	<2	6.93	<0.5	51	33	234	8.31	0.49	2.76
B681284		3.37	<0.5	8.18	10	140	<0.5	<2	5.26	<0.5	51	56	383	9.02	0.55	2.66
B681285		4.37	<0.5	9.71	<5	130	<0.5	<2	6.41	<0.5	49	51	252	8.83	0.48	2.85
B681286		4.66	<0.5	9.78	<5	150	<0.5	2	6.18	<0.5	61	59	412	8.89	0.52	2.21
B681287		4.59	<0.5	8.69	<5	150	<0.5	<2	6.14	<0.5	119	73	675	11.55	0.61	3.14
B681288		2.74	<0.5	9.62	<5	230	<0.5	<2	5.58	<0.5	82	58	868	9.96	0.78	2.36
B681289		2.76	<0.5	9.75	<5	270	<0.5	<2	5.38	<0.5	99	45	867	10.70	0.81	2.21
B681290		2.73	<0.5	9.48	<5	260	<0.5	<2	5.72	<0.5	79	40	527	11.00	0.76	2.33
B681291		2.03	<0.5	7.61	<5	240	<0.5	3	4.25	<0.5	131	37	812	13.55	0.62	2.07
B681292		1.73	<0.5	7.51	5	120	<0.5	<2	5.22	<0.5	64	96	607	14.40	0.52	3.07
B681293		4.62	<0.5	8.58	<5	80	<0.5	<2	5.15	<0.5	56	68	437	10.30	0.37	2.65
B681294		3.75	<0.5	8.90	5	70	<0.5	2	5.43	<0.5	46	57	275	8.76	0.33	2.67
B681295		3.76	<0.5	9.76	7	90	0.6	<2	5.87	<0.5	42	65	223	8.55	0.39	2.72
B681296		3.63	<0.5	9.40	16	100	<0.5	<2	5.59	<0.5	49	77	187	9.39	0.46	2.87
B681297		3.24	<0.5	9.96	10	130	<0.5	<2	5.50	<0.5	41	60	338	8.66	0.57	2.57
B681298		4.56	<0.5	10.30	5	110	<0.5	<2	6.04	<0.5	65	51	490	7.95	0.46	2.11
B681299		6.40	<0.5	10.75	9	150	<0.5	<2	6.57	<0.5	60	49	326	7.44	0.58	1.98
B681300		3.21	<0.5	9.99	26	100	<0.5	<2	7.31	<0.5	69	47	382	8.22	0.43	2.02
B681301		3.81	<0.5	10.10	<5	80	<0.5	<2	6.02	<0.5	62	56	380	7.35	0.35	1.93
B681302		3.66	<0.5	10.15	12	90	<0.5	<2	6.43	<0.5	62	77	369	8.08	0.43	2.51
B681303		3.25	<0.5	10.05	6	90	<0.5	<2	6.64	<0.5	53	60	271	7.78	0.51	2.53
B681304		2.84	0.5	10.65	<5	110	<0.5	3	6.96	<0.5	114	23	1430	7.66	0.61	1.62
B681305		2.83	0.5	10.15	<5	80	<0.5	<2	6.56	<0.5	62	42	1280	8.70	0.49	2.46
B681306		2.70	<0.5	8.51	<5	180	<0.5	3	6.71	<0.5	74	58	621	13.15	0.87	3.26
B681307		3.26	0.8	8.40	<5	170	<0.5	<2	5.89	<0.5	60	103	1600	12.05	0.89	4.11
B681308		2.72	0.5	7.80	6	80	<0.5	<2	6.88	<0.5	55	118	878	12.00	0.45	4.41
B681309		4.43	<0.5	7.86	<5	50	<0.5	<2	6.64	<0.5	53	92	60	10.60	0.31	4.56
B681310		4.34	<0.5	7.81	<5	40	<0.5	<2	6.21	<0.5	51	88	115	9.98	0.21	4.38
B681311		4.66	<0.5	8.70	15	40	<0.5	<2	6.96	<0.5	60	103	197	10.20	0.18	4.88
B681312		4.96	<0.5	8.22	<5	50	<0.5	<2	6.74	<0.5	52	98	42	11.80	0.31	4.44
B681313		3.52	<0.5	8.82	<5	60	<0.5	<2	6.79	<0.5	54	97	52	11.70	0.33	4.64
B681314		2.93	<0.5	8.73	17	50	<0.5	<2	6.78	<0.5	50	98	23	10.95	0.24	4.48
B681315		2.47	<0.5	8.73	6	30	<0.5	<2	7.25	<0.5	51	101	12	10.95	0.19	4.41
B681316		3.45	<0.5	8.40	<5	40	0.5	<2	7.11	<0.5	50	98	34	10.40	0.19	4.00
B681317		3.72	<0.5	7.91	<5	40	<0.5	<2	6.60	<0.5	48	92	15	9.58	0.18	3.73
B681318		2.86	<0.5	8.39	6	40	<0.5	<2	6.71	<0.5	51	88	14	10.90	0.18	4.16
B681319		2.39	<0.5	8.84	<5	40	<0.5	<2	7.21	<0.5	51	91	365	11.50	0.21	4.39
B681320		3.14	0.5	8.23	6	30	<0.5	<2	6.50	<0.5	74	83	1875	10.85	0.18	3.96



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CERTIFICATE OF ANALYSIS TB06084862

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.001	0.0005
B681281		1410	<1	1.96	75	270	<2	0.07	<5	164	0.79	413	<10	74	0.001	0.0021
B681282		1345	<1	2.26	76	260	<2	0.10	<5	173	0.79	402	<10	59	0.001	0.0022
B681283		1350	<1	2.26	123	310	<2	0.23	5	167	0.78	196	<10	63	0.005	0.0291
B681284		1290	4	2.02	116	540	<2	0.18	<5	114	0.88	183	<10	64	0.016	0.0352
B681285		1455	1	2.23	116	340	<2	0.19	<5	149	1.07	176	<10	66	0.005	0.0378
B681286		1360	3	2.37	205	390	<2	0.50	<5	158	1.23	197	<10	58	0.003	0.0386
B681287		1425	1	1.80	440	990	<2	1.26	<5	98	0.45	374	<10	77	0.005	0.0339
B681288		1210	<1	2.42	323	410	<2	0.74	<5	150	0.81	341	<10	69	0.004	0.0397
B681289		1350	<1	2.43	388	590	<2	1.21	<5	144	1.03	308	<10	75	0.008	0.0547
B681290		1300	4	2.29	314	2230	<2	0.84	<5	139	0.76	331	<10	68	0.005	0.0609
B681291		1295	2	1.55	504	1090	<2	1.94	<5	95	0.61	261	<10	61	0.022	0.0388
B681292		1905	1	1.37	267	270	<2	0.35	8	71	0.72	188	<10	83	0.012	0.0256
B681293		1480	<1	1.91	342	920	<2	0.40	5	93	0.76	226	<10	61	0.006	0.0501
B681294		1580	1	2.24	257	590	<2	0.23	<5	120	0.86	227	<10	63	0.005	0.0112
B681295		1670	3	2.44	219	570	<2	0.09	6	140	1.03	238	<10	68	0.001	0.0060
B681296		1705	1	2.12	317	650	<2	0.21	<5	121	0.99	215	<10	69	0.001	0.0157
B681297		1385	2	2.81	257	670	<2	0.27	5	137	0.82	190	<10	67	0.001	0.0101
B681298		1165	2	3.01	519	650	<2	0.58	<5	146	0.73	177	<10	63	0.002	0.0542
B681299		1165	1	3.05	448	730	<2	0.41	<5	178	0.84	198	<10	65	0.004	0.0270
B681300		1165	2	2.34	524	2050	<2	0.66	7	163	0.79	332	<10	59	0.004	0.0147
B681301		919	1	2.87	451	580	<2	0.69	<5	147	0.27	135	<10	55	0.004	0.0149
B681302		1070	<1	2.37	428	710	<2	0.57	<5	143	0.13	110	<10	58	0.004	0.0197
B681303		1130	1	2.08	334	570	<2	0.37	6	136	0.29	136	<10	53	0.004	0.0256
B681304		811	1	2.60	670	1860	<2	1.66	<5	183	0.25	222	<10	44	0.124	0.0150
B681305		1175	<1	2.35	231	1260	<2	0.54	5	147	0.07	327	<10	51	0.026	0.0142
B681306		1880	39	1.67	226	2580	<2	0.40	<5	81	0.32	487	<10	75	0.032	0.119
B681307		1870	1	1.53	212	540	<2	0.26	<5	70	0.36	450	<10	78	0.023	0.0369
B681308		1995	14	1.27	140	30	<2	0.10	<5	58	0.37	349	<10	76	0.023	0.145
B681309		1920	4	1.53	118	40	<2	0.01	<5	94	0.29	347	<10	76	0.003	0.0216
B681310		1925	<1	1.67	145	50	<2	0.04	5	114	0.26	291	<10	80	0.005	0.138
B681311		2050	<1	1.81	221	70	13	0.06	<5	130	0.33	311	<10	93	0.006	0.0634
B681312		2150	60	1.57	121	520	7	0.01	<5	97	0.34	405	<10	98	0.002	0.0589
B681313		2000	1	1.84	121	150	4	0.01	<5	129	0.43	403	10	110	0.002	0.0313
B681314		2120	<1	2.08	95	110	16	<0.01	<5	150	0.73	332	10	122	0.001	0.0050
B681315		2120	<1	2.06	92	140	18	<0.01	6	149	0.71	350	<10	124	0.001	0.0046
B681316		2060	<1	2.02	88	160	9	0.02	<5	156	0.76	359	<10	114	0.003	0.0046
B681317		1860	1	1.91	74	140	5	<0.01	<5	143	0.71	346	10	94	0.001	0.0042
B681318		2060	3	2.07	85	70	8	0.01	<5	144	0.64	327	10	95	0.004	0.0611
B681319		2140	1	2.23	179	130	19	0.07	<5	169	0.69	599	<10	98	0.034	0.0662
B681320		1870	2	1.97	451	140	11	0.65	<5	150	0.51	316	<10	94	0.055	0.125



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Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
B681281		0.002
B681282		0.003
B681283		0.040
B681284		0.052
B681285		0.047
B681286		0.022
B681287		0.050
B681288		0.025
B681289		0.077
B681290		0.042
B681291		0.117
B681292		0.021
B681293		0.014
B681294		0.019
B681295		0.005
B681296		0.005
B681297		0.006
B681298		0.011
B681299		0.020
B681300		0.019
B681301		0.041
B681302		0.053
B681303		0.051
B681304		0.218
B681305		0.099
B681306		0.086
B681307		0.080
B681308		0.107
B681309		0.077
B681310		0.160
B681311		0.117
B681312		0.013
B681313		0.034
B681314		0.004
B681315		0.005
B681316		0.006
B681317		0.005
B681318		0.343
B681319		0.225
B681320		0.247



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Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01	0.01
B681321		2.98	<0.5	8.76	8	40	<0.5	<2	6.85	<0.5	55	95	271	10.75	0.17	4.29
B681322		1.94	<0.5	8.20	<5	50	<0.5	<2	6.30	<0.5	55	82	448	11.30	0.23	4.36
B681323		1.59	<0.5	8.60	<5	40	<0.5	<2	7.19	<0.5	58	85	65	11.95	0.24	3.49
B681324		3.11	<0.5	9.23	5	100	<0.5	<2	5.59	<0.5	50	113	183	11.75	0.42	3.94
B681325		2.99	<0.5	10.85	5	70	<0.5	<2	6.23	<0.5	53	124	199	12.00	0.37	4.11
B681326		3.11	<0.5	10.15	<5	60	<0.5	<2	6.14	<0.5	66	93	285	10.85	0.33	3.58
B681327		4.23	<0.5	9.67	8	70	<0.5	<2	5.56	<0.5	49	92	169	10.00	0.35	3.28
B681328		4.67	<0.5	10.35	64	70	<0.5	<2	6.14	<0.5	74	81	350	10.50	0.38	3.28
B681329		3.20	<0.5	10.60	62	90	<0.5	<2	5.95	<0.5	52	84	174	9.75	0.46	3.07
B681330		3.69	<0.5	10.55	78	80	<0.5	<2	5.70	<0.5	74	78	427	8.95	0.40	2.99
B681331		3.94	<0.5	11.65	33	100	0.5	<2	6.90	0.6	77	37	711	7.90	0.44	1.85
B681332		3.00	<0.5	11.35	74	110	<0.5	<2	6.32	<0.5	82	47	295	6.77	0.38	1.79
B681333		4.49	<0.5	11.25	34	100	<0.5	<2	7.02	<0.5	58	62	260	7.52	0.41	1.94
B681334		3.05	<0.5	10.50	20	80	<0.5	<2	6.09	0.5	52	58	241	7.15	0.35	2.07
B681335		3.92	<0.5	11.55	34	80	<0.5	<2	6.82	<0.5	58	74	296	8.08	0.37	2.41
B681336		2.51	<0.5	10.30	9	90	<0.5	<2	6.29	0.5	42	83	173	7.68	0.43	2.59
B681337		1.70	<0.5	10.20	21	90	0.5	<2	6.43	<0.5	46	66	294	7.61	0.46	2.29
B681338		3.36	<0.5	10.80	10	90	0.5	<2	7.21	<0.5	48	83	214	10.95	0.48	2.24
B681339		3.45	<0.5	9.34	5	90	<0.5	3	6.02	<0.5	64	43	536	12.15	0.46	2.75
B681340		2.80	<0.5	9.53	<5	90	<0.5	<2	5.86	<0.5	63	59	438	10.20	0.51	3.67
B681341		3.24	<0.5	8.91	8	50	<0.5	<2	6.07	<0.5	48	94	36	9.68	0.30	4.77
B681342		3.65	<0.5	8.02	8	40	<0.5	<2	6.56	<0.5	64	90	507	11.85	0.24	3.68
B681343		3.18	0.6	8.48	15	70	<0.5	<2	6.19	<0.5	65	100	1575	12.80	0.45	4.16
B681344		3.22	<0.5	7.75	5	50	<0.5	3	6.35	<0.5	50	94	668	9.92	0.28	4.37
B681345		3.42	<0.5	8.24	5	50	<0.5	<2	6.67	<0.5	50	94	108	10.35	0.32	4.35
B681346		2.93	<0.5	10.50	8	100	<0.5	<2	5.89	<0.5	55	28	906	6.62	0.51	1.47
B681347		2.19	<0.5	9.28	<5	200	0.5	<2	4.54	<0.5	39	27	955	9.95	0.97	2.08
B681348		3.35	<0.5	8.61	<5	100	<0.5	<2	6.97	<0.5	56	42	342	13.50	0.61	2.76
B681349		2.09	1.3	7.95	<5	210	<0.5	3	6.35	<0.5	60	131	2650	13.90	1.07	3.35
B681350		2.31	<0.5	7.81	6	80	<0.5	<2	6.54	<0.5	57	86	33	10.45	0.43	4.65
B681351		3.53	<0.5	7.28	<5	70	<0.5	2	6.59	<0.5	53	89	654	10.90	0.39	4.30



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Project: North Rock

CERTIFICATE OF ANALYSIS TB06084862

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm 5	ppm 1	% 0.01	ppm 1	ppm 10	ppm 2	% 0.01	ppm 5	ppm 1	% 0.01	ppm 1	ppm 10	ppm 2	ppm 0.001	ppm 0.0005
B681321		2080	<1	2.19	132	130	10	0.05	<5	173	0.78	404	<10	84	0.005	0.0053
B681322		2060	1	2.08	187	220	14	0.13	<5	153	0.72	339	<10	84	0.009	0.0268
B681323		2100	1	2.21	79	150	11	0.01	5	174	0.96	435	10	72	0.008	0.0034
B681324		2040	3	1.70	247	510	7	0.20	5	112	0.83	282	<10	72	0.002	0.130
B681325		2160	3	2.16	341	340	17	0.33	<5	144	0.93	295	10	72	0.001	0.0748
B681326		1930	2	2.11	465	880	3	0.53	<5	143	0.90	259	10	66	0.002	0.211
B681327		1830	2	1.77	299	670	14	0.23	<5	120	0.83	207	<10	62	0.001	0.139
B681328		1820	2	1.99	561	620	17	0.66	<5	136	0.75	221	<10	69	0.002	0.0682
B681329		1730	1	2.27	369	730	6	0.25	<5	148	0.85	209	<10	56	0.001	0.0056
B681330		1260	<1	2.34	470	620	12	0.47	<5	144	0.39	146	<10	59	0.003	0.0172
B681331		991	1	2.86	727	1690	10	0.89	<5	214	0.65	224	<10	53	0.004	0.0242
B681332		1020	2	3.17	480	390	<2	0.59	5	218	0.73	158	10	61	0.002	0.0519
B681333		1100	1	2.64	417	650	17	0.51	<5	164	0.71	188	<10	60	0.002	0.0145
B681334		986	4	2.88	382	910	6	0.44	<5	167	0.33	166	<10	56	0.003	0.0135
B681335		1030	2	2.68	456	570	8	0.51	<5	179	0.18	152	<10	59	0.003	0.0152
B681336		1030	1	2.25	233	640	14	0.21	<5	137	0.14	123	<10	55	0.002	0.0244
B681337		1030	2	2.24	261	490	6	0.30	5	152	0.09	111	<10	51	0.003	0.0127
B681338		1300	6	2.06	170	1090	23	0.16	<5	134	0.12	194	<10	68	0.002	0.0123
B681339		1370	4	2.14	244	1340	19	0.48	5	124	0.21	321	10	64	0.075	0.204
B681340		1500	2	2.19	241	670	12	0.36	<5	151	0.44	431	10	69	0.010	0.0547
B681341		1900	<1	1.88	112	70	8	0.02	7	128	0.27	245	10	77	0.004	0.0398
B681342		2240	<1	1.29	189	100	12	0.32	<5	82	0.23	217	<10	74	0.015	0.199
B681343		2460	<1	1.45	313	70	10	0.29	<5	76	0.25	303	<10	93	0.055	0.193
B681344		1830	3	1.60	123	60	9	0.10	<5	112	0.29	277	<10	83	0.153	0.0041
B681345		1810	1	1.76	113	80	10	0.01	<5	130	0.36	288	<10	103	0.003	0.0025
B681346		876	<1	2.70	373	870	12	0.61	<5	167	0.22	145	<10	38	0.044	0.0148
B681347		1645	2	2.47	144	670	<2	0.39	5	152	0.06	190	<10	54	0.059	0.0124
B681348		2050	6	1.38	144	1780	<2	0.19	<5	58	0.18	427	<10	78	0.014	0.152
B681349		1955	102	1.24	152	1090	<2	0.36	<5	47	0.41	666	<10	88	0.022	0.0427
B681350		1905	1	1.54	128	100	<2	<0.01	<5	86	0.29	241	<10	74	0.001	0.0031
B681351		1950	11	1.40	198	1150	<2	0.11	6	84	0.38	445	<10	81	0.036	0.436



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Project: North Rock

CERTIFICATE OF ANALYSIS TB06084862

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
B681321		0.015
B681322		0.030
B681323		0.010
B681324		0.012
B681325		0.007
B681326		0.015
B681327		0.013
B681328		0.015
B681329		0.003
B681330		0.010
B681331		0.007
B681332		0.028
B681333		0.011
B681334		0.018
B681335		0.032
B681336		0.025
B681337		0.025
B681338		0.025
B681339		0.251
B681340		0.103
B681341		0.019
B681342		0.373
B681343		0.379
B681344		0.186
B681345		0.009
B681346		0.170
B681347		0.196
B681348		0.110
B681349		0.042
B681350		0.005
B681351		0.750



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CERTIFICATE TB06088174

Project: North Rock

P.O. No.:

This report is for 175 Channel samples submitted to our lab in Thunder Bay, ON, Canada on 8-SEP-2006.

The following have access to data associated with this certificate:

MITCH DUMOULIN

AUBREY J. EVELEIGH

A.D. MACTAVISH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	27 element four acid ICP-AES	ICP-AES
PGM-MS24	Pt, Pd and Au 50g FA ICP-MS	ICP-MS

To: METAL CORP LTD
ATTN: AUBREY J. EVELEIGH
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Keith Rogers, Executive Manager Vancouver Laboratory



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Project: North Rock

CERTIFICATE OF ANALYSIS TB06088174

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
B681352		3.84	<0.5	10.30	11	240	<0.5	<2	7.43	<0.5	48	33	50	11.20	0.31	3.11
B681353		4.19	<0.5	10.20	18	120	<0.5	<2	7.65	<0.5	45	31	74	9.26	0.21	2.79
B681354		4.36	<0.5	11.25	6	150	<0.5	<2	7.87	<0.5	40	30	53	8.88	0.32	2.75
B681355		3.35	<0.5	11.20	5	110	<0.5	<2	7.75	<0.5	34	21	41	7.01	0.24	2.31
B681356		4.69	<0.5	10.70	13	90	<0.5	<2	7.46	<0.5	32	20	45	6.88	0.21	2.37
B681357		4.45	<0.5	10.35	<5	90	<0.5	<2	7.32	<0.5	32	21	54	6.90	0.19	2.47
B681358		4.91	<0.5	10.90	20	90	<0.5	<2	7.79	<0.5	33	20	36	7.52	0.18	2.68
B681359		5.16	<0.5	10.60	<5	80	<0.5	<2	7.77	<0.5	36	25	16	7.92	0.20	2.79
B681360		4.10	<0.5	10.45	11	100	<0.5	<2	7.67	<0.5	40	25	82	8.32	0.23	2.87
B681361		3.95	<0.5	10.55	<5	110	<0.5	<2	7.56	<0.5	36	21	57	7.80	0.28	2.43
B681362		3.27	<0.5	11.10	<5	110	<0.5	<2	7.22	<0.5	27	12	45	6.26	0.23	1.92
B681363		2.27	<0.5	10.55	8	130	<0.5	<2	7.11	<0.5	38	22	46	8.91	0.30	2.68
B681364		2.35	<0.5	10.10	<5	100	<0.5	<2	7.15	<0.5	45	25	111	9.64	0.31	2.84
B681365		2.38	<0.5	8.28	7	50	<0.5	<2	6.76	<0.5	40	22	128	8.06	0.21	2.49
B681366		3.97	<0.5	6.97	<5	200	<0.5	<2	5.69	<0.5	38	160	56	8.20	0.55	3.22
B681367		6.34	<0.5	8.46	6	60	<0.5	<2	6.84	<0.5	39	23	87	8.01	0.22	2.51
B681368		5.96	<0.5	8.20	6	60	<0.5	<2	6.36	<0.5	38	22	77	8.04	0.22	2.46
B681369		6.05	<0.5	8.37	<5	50	<0.5	<2	7.23	<0.5	37	21	44	8.51	0.22	2.58
B681370		5.66	<0.5	8.41	<5	80	<0.5	<2	6.81	<0.5	36	22	28	8.05	0.26	2.60
B681371		4.28	<0.5	8.34	<5	70	0.7	<2	6.54	<0.5	38	16	187	8.43	0.26	2.28
B681372		3.62	<0.5	9.21	7	70	0.8	<2	8.13	<0.5	38	9	214	8.42	0.23	1.70
B681373		3.18	<0.5	7.91	<5	70	0.5	<2	7.30	<0.5	55	6	291	12.85	0.37	2.70
B681374		3.00	<0.5	9.92	5	110	0.6	<2	6.30	<0.5	24	3	95	7.62	0.30	1.98
B681375		3.62	<0.5	9.68	9	110	0.7	<2	6.33	<0.5	31	12	179	8.42	0.29	2.16
B681376		4.39	<0.5	8.93	<5	270	0.5	<2	5.69	<0.5	35	82	47	8.66	0.69	3.00
B681377		4.06	<0.5	10.60	<5	230	0.7	<2	5.23	<0.5	29	26	164	7.88	0.56	2.25
B681378		2.01	<0.5	9.45	11	110	0.7	<2	7.00	<0.5	45	68	243	10.40	0.41	3.20
B681379		3.88	<0.5	10.10	5	130	0.5	<2	6.83	<0.5	67	27	627	12.05	0.45	3.34
B681380		6.04	<0.5	10.10	<5	60	<0.5	<2	7.61	<0.5	40	21	75	8.85	0.29	2.79
B681381		4.09	<0.5	10.15	12	70	<0.5	<2	7.76	<0.5	41	19	106	8.92	0.28	2.84
B681382		3.85	<0.5	9.89	5	70	<0.5	<2	7.44	<0.5	41	20	71	9.20	0.30	2.80
B681383		3.25	<0.5	9.42	6	60	<0.5	<2	7.31	<0.5	40	19	123	8.90	0.28	2.61
B681384		3.26	<0.5	8.64	12	40	<0.5	<2	8.98	<0.5	46	11	105	9.57	0.22	2.44
B681385		2.27	<0.5	6.76	7	20	<0.5	<2	11.65	<0.5	33	5	140	7.20	0.13	1.45
B681386		3.23	<0.5	8.49	<5	20	0.8	<2	10.70	<0.5	38	5	63	9.04	0.15	1.66
B681387		4.08	<0.5	7.68	<5	30	0.5	<2	7.94	<0.5	55	5	138	12.40	0.27	2.22
B681388		2.94	<0.5	8.58	<5	60	0.5	<2	6.43	<0.5	50	10	60	13.05	0.41	2.00
B681389		4.27	<0.5	10.05	13	80	<0.5	2	7.68	<0.5	42	20	46	9.95	0.34	3.00
B681390		3.95	<0.5	9.50	9	80	<0.5	<2	8.04	<0.5	45	28	18	10.30	0.35	2.99
B681391		3.66	<0.5	7.72	10	50	<0.5	<2	8.55	<0.5	56	9	189	13.65	0.31	2.64



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Project: North Rock

CERTIFICATE OF ANALYSIS TB06088174

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.001	0.0005
B681352		1760	<1	1.86	80	140	28	0.02	<5	145	0.58	334	<10	107	0.003	0.0140
B681353		1430	<1	1.77	53	230	11	0.07	<5	152	0.52	290	<10	74	0.002	0.0094
B681354		1430	<1	2.14	53	210	13	0.03	<5	189	0.56	318	<10	68	0.002	0.0093
B681355		1120	<1	2.35	49	190	18	0.02	<5	211	0.59	243	<10	59	0.004	0.0158
B681356		1100	<1	2.28	54	180	13	0.03	<5	199	0.47	228	10	59	0.008	0.0132
B681357		1100	<1	2.04	52	210	13	0.05	<5	178	0.42	233	<10	61	0.036	0.0081
B681358		1200	<1	2.21	59	220	17	0.03	<5	180	0.47	254	<10	62	0.007	0.0061
B681359		1260	<1	2.08	54	210	17	0.01	<5	176	0.46	288	<10	66	0.001	0.0030
B681360		1320	<1	2.06	56	180	19	0.04	<5	184	0.50	307	10	72	0.002	0.0052
B681361		1250	<1	2.00	53	230	14	0.01	<5	209	0.55	302	<10	68	0.002	0.0033
B681362		1080	<1	2.45	39	150	23	0.01	7	243	0.62	269	<10	66	0.001	0.0021
B681363		1580	<1	1.74	49	280	16	0.01	<5	179	0.61	359	<10	87	0.003	0.0035
B681364		1650	<1	1.75	65	220	15	0.05	<5	172	0.54	348	<10	91	0.003	0.0027
B681365		1280	<1	1.59	43	240	<2	0.08	<5	147	0.47	303	<10	72	0.003	0.0023
B681366		1260	<1	1.61	99	370	<2	0.02	<5	148	0.69	187	<10	82	0.001	<0.0005
B681367		1250	<1	1.78	45	190	<2	0.09	<5	162	0.50	319	<10	69	0.003	0.0017
B681368		1250	<1	1.87	41	220	<2	0.07	<5	146	0.48	308	<10	67	0.006	0.0017
B681369		1360	<1	1.72	46	230	<2	0.03	<5	134	0.50	341	<10	78	0.020	0.0017
B681370		1330	<1	1.75	48	200	<2	0.01	<5	140	0.53	347	<10	72	0.002	0.0020
B681371		1220	3	1.87	57	320	<2	0.13	<5	128	0.41	255	<10	70	0.004	0.0016
B681372		1170	7	1.46	54	70	4	0.22	<5	198	0.24	158	<10	61	0.002	<0.0005
B681373		1600	19	1.12	76	30	<2	0.29	<5	78	0.32	268	<10	103	0.002	<0.0005
B681374		1355	6	3.21	42	190	2	0.03	6	177	0.68	218	<10	74	0.001	<0.0005
B681375		1385	10	2.83	48	610	4	0.12	5	190	0.96	355	<10	70	0.005	<0.0005
B681376		1190	1	2.46	39	1100	<2	0.03	<5	139	0.75	216	<10	74	0.001	<0.0005
B681377		1005	4	3.37	39	600	<2	0.03	<5	226	0.52	255	<10	69	0.012	0.0007
B681378		1410	<1	2.29	55	980	<2	0.20	<5	132	0.94	394	<10	82	0.005	0.0013
B681379		1685	<1	1.96	93	550	<2	0.45	<5	119	0.99	514	<10	91	0.012	0.0031
B681380		1295	<1	2.07	44	220	2	0.05	5	191	0.55	329	<10	70	0.002	0.0020
B681381		1335	<1	1.88	49	210	<2	0.06	5	173	0.54	333	<10	68	0.002	0.0023
B681382		1375	<1	1.97	45	220	<2	0.05	<5	154	0.60	358	<10	69	0.002	0.0019
B681383		1295	<1	1.79	45	190	3	0.06	<5	143	0.60	372	<10	65	0.002	0.0019
B681384		1310	2	1.45	63	120	<2	0.05	<5	131	0.41	279	<10	65	0.002	0.0010
B681385		1010	4	0.74	44	30	<2	0.04	<5	151	0.19	99	<10	43	0.001	<0.0005
B681386		1205	14	0.61	57	30	4	0.03	<5	192	0.19	170	<10	54	0.001	0.0011
B681387		1440	19	0.95	70	40	2	0.13	<5	109	0.35	274	<10	74	0.001	<0.0005
B681388		1450	28	1.75	63	710	<2	0.07	<5	91	0.66	287	<10	69	0.001	0.0008
B681389		1475	<1	1.84	49	210	<2	0.01	<5	171	0.63	410	<10	77	0.001	0.0020
B681390		1495	<1	1.71	57	160	<2	0.01	<5	158	0.74	522	<10	77	<0.001	0.0023
B681391		1760	8	0.86	76	40	<2	0.04	<5	86	0.30	335	<10	101	0.001	0.0007



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CERTIFICATE OF ANALYSIS TB06088174

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
B681352		0.005
B681353		0.002
B681354		0.006
B681355		0.014
B681356		0.040
B681357		0.028
B681358		0.006
B681359		0.002
B681360		0.003
B681361		0.002
B681362		0.002
B681363		0.003
B681364		0.002
B681365		0.002
B681366		<0.001
B681367		0.002
B681368		0.002
B681369		0.002
B681370		0.002
B681371		0.001
B681372		0.001
B681373		0.001
B681374		0.001
B681375		0.031
B681376		0.001
B681377		0.014
B681378		0.001
B681379		0.003
B681380		0.001
B681381		0.002
B681382		0.002
B681383		0.002
B681384		0.001
B681385		<0.001
B681386		<0.001
B681387		0.003
B681388		0.005
B681389		0.002
B681390		0.002
B681391		0.001



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CERTIFICATE OF ANALYSIS TB06088174

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%
	LOR	0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01	0.01
B681392		3.18	<0.5	9.69	10	80	<0.5	<2	9.57	<0.5	29	2	990	6.27	0.19	1.61
B681393		3.07	<0.5	9.96	9	120	<0.5	<2	6.48	<0.5	36	10	528	7.64	0.31	2.02
B681394		5.93	<0.5	9.23	5	60	<0.5	<2	7.64	<0.5	49	16	257	10.20	0.27	2.83
B681395		3.71	<0.5	9.36	10	60	<0.5	<2	7.66	<0.5	48	14	143	10.20	0.27	2.85
B681396		2.81	<0.5	8.46	6	50	<0.5	<2	6.89	<0.5	47	18	121	10.20	0.26	2.81
B681397		3.52	<0.5	8.89	<5	50	<0.5	<2	6.81	<0.5	46	24	80	9.85	0.25	2.76
B681398		3.80	<0.5	8.62	11	70	<0.5	<2	5.90	<0.5	43	15	51	10.35	0.36	2.40
B681399		1.81	<0.5	8.45	6	60	<0.5	<2	6.22	<0.5	46	22	107	10.40	0.27	3.07
B681400		1.91	<0.5	9.11	7	70	<0.5	<2	6.28	<0.5	44	21	74	9.58	0.31	2.77
B681401		2.55	<0.5	8.44	5	60	<0.5	<2	6.97	<0.5	39	25	34	9.25	0.25	2.83
B681402		5.71	<0.5	7.98	<5	60	<0.5	<2	6.74	<0.5	36	30	25	8.55	0.21	2.85
B681403		1.71	<0.5	8.19	<5	70	0.5	<2	6.59	<0.5	34	70	30	8.26	0.24	3.03
B681404		3.94	<0.5	8.26	<5	50	<0.5	2	7.39	<0.5	36	30	14	8.98	0.22	2.83
B681405		5.32	<0.5	9.69	<5	70	<0.5	3	6.90	<0.5	32	20	109	6.71	0.20	2.03
B681406		3.25	<0.5	9.99	<5	90	<0.5	4	6.82	<0.5	23	23	22	5.56	0.22	1.81
B681407		4.49	<0.5	8.96	<5	60	<0.5	<2	7.49	<0.5	40	59	15	9.43	0.26	3.75
B681408		4.15	<0.5	9.15	<5	120	<0.5	2	7.78	<0.5	40	70	80	9.39	0.34	3.28
B681409		3.82	<0.5	8.84	<5	60	<0.5	3	7.66	<0.5	49	86	35	9.30	0.24	4.10
B681410		3.85	<0.5	9.14	<5	70	<0.5	<2	7.27	<0.5	50	106	34	10.40	0.28	4.61
B681411		4.35	<0.5	8.29	<5	60	<0.5	<2	7.51	<0.5	47	87	210	9.33	0.25	4.06
B681412		5.88	<0.5	8.08	<5	60	<0.5	<2	7.42	<0.5	47	77	60	8.76	0.22	3.87
B681413		3.53	<0.5	8.97	<5	70	<0.5	2	7.39	<0.5	49	84	766	10.75	0.23	3.82
B681414		4.61	<0.5	10.10	<5	90	0.5	5	7.13	<0.5	48	112	621	12.45	0.29	4.05
B681415		4.57	<0.5	8.73	<5	60	<0.5	<2	7.71	<0.5	46	84	53	10.50	0.27	3.94
B681416		4.06	<0.5	9.40	8	70	<0.5	2	7.14	<0.5	45	69	191	8.84	0.26	3.64
B681417		5.21	0.5	2.52	<5	<10	<0.5	<2	3.34	<0.5	142	1450	1170	17.15	0.03	10.30
B681418		3.57	<0.5	2.47	18	10	<0.5	3	3.28	<0.5	148	1570	303	18.95	0.01	10.40
B681419		4.97	<0.5	2.82	20	10	<0.5	<2	2.62	<0.5	136	1030	222	19.30	0.02	10.60
B681420		4.43	<0.5	2.61	26	10	<0.5	<2	2.40	<0.5	131	1220	174	19.35	0.01	10.60
B681421		5.11	<0.5	9.73	<5	80	<0.5	2	6.42	<0.5	37	129	830	7.22	0.22	2.83
B681422		6.74	<0.5	9.75	<5	70	<0.5	<2	7.40	<0.5	35	77	115	6.46	0.17	3.12
B681423		6.96	<0.5	10.35	<5	70	<0.5	<2	7.78	<0.5	34	70	57	6.56	0.18	3.06
B681424		7.60	<0.5	9.88	<5	60	<0.5	<2	7.61	<0.5	33	73	54	6.58	0.17	2.91
B681425		7.36	<0.5	10.00	<5	60	<0.5	<2	7.59	<0.5	35	57	53	6.84	0.19	2.84
B681426		4.95	<0.5	9.60	<5	60	<0.5	<2	7.64	<0.5	35	56	42	7.40	0.18	2.98
B681427		6.27	<0.5	9.36	<5	70	<0.5	<2	7.30	<0.5	35	79	83	7.98	0.22	2.95
B681428		7.86	<0.5	9.84	<5	70	<0.5	<2	7.23	<0.5	31	49	40	7.30	0.23	2.47
B681429		3.33	<0.5	9.69	<5	80	<0.5	<2	7.42	<0.5	37	22	90	7.37	0.25	2.68
C681429A		5.29	<0.5	9.64	<5	60	<0.5	2	7.47	<0.5	39	15	135	7.81	0.22	2.61
B681430		5.09	<0.5	9.61	<5	60	<0.5	<2	7.50	<0.5	38	17	110	8.14	0.21	2.50



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CERTIFICATE OF ANALYSIS TB06088174

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.001	0.0005
B681392		1460	2	2.54	31	50	4	0.09	5	244	0.60	136	10	62	0.026	<0.0005
B681393		1110	1	2.85	43	460	2	0.06	5	218	0.54	342	<10	64	0.016	0.0017
B681394		1470	<1	1.71	63	160	<2	0.10	7	133	0.83	719	<10	77	0.005	0.0034
B681395		1440	<1	1.76	57	190	<2	0.05	△	141	0.76	639	<10	77	0.003	0.0020
B681396		1380	<1	1.67	49	330	<2	0.12	△	124	0.81	571	<10	67	0.001	0.0023
B681397		1230	15	1.99	69	480	5	0.09	△	144	0.75	433	<10	63	0.001	0.0035
B681398		1185	2	2.01	51	170	<2	0.05	6	131	0.39	280	<10	66	0.001	0.0026
B681399		1380	<1	2.05	62	350	<2	0.04	6	137	0.84	532	<10	69	0.002	0.0023
B681400		1260	1	2.19	58	420	<2	0.06	7	159	0.71	420	<10	64	0.001	0.0030
B681401		1200	<1	2.08	53	390	7	0.02	△	144	0.61	359	<10	51	<0.001	0.0029
B681402		1120	<1	1.84	41	90	5	0.01	△	136	0.60	316	<10	51	<0.001	0.0030
B681403		1070	<1	2.13	43	880	5	0.01	△	145	0.72	270	<10	59	0.001	0.0017
B681404		1185	<1	1.74	47	270	6	0.01	△	130	0.59	347	<10	54	<0.001	0.0027
B681405		1000	1	2.29	53	200	<2	0.06	△	172	0.68	279	<10	48	0.041	0.0137
B681406		909	<1	2.78	43	150	3	0.01	△	207	0.41	184	<10	48	0.111	0.0547
B681407		1520	<1	1.90	83	240	4	0.01	△	126	0.46	248	<10	74	0.030	0.0083
B681408		1410	<1	1.50	78	290	2	0.04	△	135	0.42	248	10	77	0.023	0.0110
B681409		1745	<1	1.73	103	180	<2	0.01	△	122	0.42	224	<10	79	0.031	0.0273
B681410		1620	<1	1.68	93	200	5	0.01	△	113	0.38	232	10	93	0.002	0.0108
B681411		1555	<1	1.51	79	170	3	0.07	△	117	0.42	223	<10	86	0.006	0.0120
B681412		1545	<1	1.63	69	170	<2	0.03	△	114	0.39	209	10	75	0.002	0.0045
B681413		1570	<1	1.42	69	290	3	0.37	△	123	0.46	243	50	86	0.003	0.0014
B681414		1925	<1	1.29	81	460	7	0.03	△	131	0.57	316	220	118	0.002	0.0020
B681415		1740	<1	1.50	78	250	2	0.03	△	99	0.48	244	<10	90	0.002	0.0019
B681416		1395	<1	1.98	112	220	6	0.07	△	147	0.39	209	<10	68	0.007	0.0245
B681417		2840	<1	0.13	1440	70	4	0.42	△	4	0.53	495	<10	160	0.029	0.0440
B681418		2410	<1	0.07	1290	120	2	0.26	△	8	0.64	573	<10	134	0.005	0.0083
B681419		2130	<1	0.06	1030	230	6	0.08	△	6	0.58	453	<10	134	0.003	0.0012
B681420		2100	<1	0.05	1010	160	6	0.07	△	6	0.62	474	<10	133	0.004	0.0036
B681421		1280	<1	2.68	174	160	3	0.17	△	178	0.38	194	<10	116	0.014	0.0406
B681422		1120	<1	2.36	80	220	<2	0.04	△	164	0.33	175	<10	58	0.001	0.0010
B681423		1155	<1	2.35	68	200	3	0.04	△	167	0.34	172	<10	56	<0.001	0.0014
B681424		1160	<1	2.21	70	210	8	0.04	△	158	0.42	222	<10	65	<0.001	0.0017
B681425		1210	<1	2.24	70	260	9	0.05	△	161	0.39	223	<10	71	0.001	0.0020
B681426		1260	<1	2.22	64	270	3	0.03	△	156	0.49	270	<10	66	0.001	0.0023
B681427		1280	<1	2.11	63	270	7	0.04	△	149	0.55	306	<10	65	0.001	0.0027
B681428		1135	<1	2.13	56	250	7	0.04	△	152	0.56	344	<10	53	0.001	0.0034
B681429		1195	<1	2.28	71	280	4	0.11	△	162	0.66	471	<10	55	0.002	0.0181
C681429A		1240	<1	2.12	101	230	<2	0.14	△	156	0.81	615	<10	58	0.004	0.0092
B681430		1210	<1	2.05	64	270	7	0.09	△	141	0.80	538	<10	57	0.003	0.0020



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CERTIFICATE OF ANALYSIS TB06088174

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
B681392		<0.001
B681393		0.007
B681394		0.003
B681395		0.001
B681396		0.003
B681397		0.003
B681398		0.002
B681399		0.003
B681400		0.004
B681401		0.003
B681402		0.003
B681403		0.003
B681404		0.004
B681405		0.037
B681406		0.124
B681407		0.086
B681408		0.052
B681409		0.086
B681410		0.003
B681411		0.002
B681412		0.002
B681413		0.003
B681414		0.002
B681415		0.003
B681416		0.056
B681417		0.155
B681418		0.048
B681419		0.003
B681420		0.025
B681421		0.102
B681422		0.001
B681423		0.002
B681424		0.002
B681425		0.002
B681426		0.002
B681427		0.003
B681428		0.004
B681429		0.017
C681429A		0.004
B681430		0.002



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CERTIFICATE OF ANALYSIS TB06088174

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg
Units		kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%
LOR																
B681431		4.51	<0.5	9.49	<5	60	<0.5	<2	7.33	<0.5	38	17	137	8.48	0.21	2.59
B681432		5.45	<0.5	9.71	<5	70	<0.5	<2	7.53	<0.5	39	26	164	8.23	0.20	2.96
B681433		5.60	0.5	9.18	<5	60	<0.5	<2	7.19	<0.5	38	46	109	7.50	0.18	3.05
B681434		4.46	<0.5	9.45	<5	70	0.6	2	7.38	<0.5	46	58	203	8.46	0.21	3.23
B681435		2.32	<0.5	9.58	<5	70	0.6	<2	7.06	<0.5	45	48	295	8.14	0.24	2.87
B681436		4.62	<0.5	8.92	5	60	<0.5	<2	6.11	<0.5	44	59	114	9.35	0.28	3.36
B681437		5.41	<0.5	8.13	<5	50	<0.5	<2	5.23	<0.5	44	67	115	9.26	0.26	3.20
B681438		2.51	<0.5	8.13	<5	90	0.5	<2	5.17	<0.5	45	134	216	10.25	0.49	3.30
B681439		5.63	<0.5	7.79	<5	90	<0.5	<2	4.43	<0.5	39	154	230	10.75	0.50	3.32
B681440		5.36	<0.5	8.41	<5	80	<0.5	<2	4.91	<0.5	57	136	276	11.15	0.48	3.65
B681441		3.88	<0.5	7.82	<5	60	<0.5	<2	4.91	<0.5	80	87	330	11.35	0.37	3.33
B681442		5.78	<0.5	8.20	<5	70	<0.5	<2	4.78	<0.5	50	67	132	11.20	0.47	3.85
B681443		6.34	<0.5	8.31	<5	50	<0.5	<2	5.15	<0.5	67	75	319	11.10	0.37	3.56
B681444		5.86	<0.5	8.02	<5	50	<0.5	<2	4.80	<0.5	74	72	357	11.30	0.39	3.62
B681445		5.67	<0.5	8.39	<5	50	<0.5	<2	5.43	<0.5	64	95	305	11.55	0.38	3.75
B681446		5.10	<0.5	8.04	<5	60	<0.5	<2	4.78	<0.5	47	67	140	10.40	0.45	3.45
B681447		5.21	<0.5	8.23	<5	50	<0.5	<2	5.50	<0.5	74	44	439	10.10	0.33	3.22
B681448		4.88	<0.5	8.82	7	80	<0.5	<2	5.28	<0.5	64	52	417	10.75	0.53	3.03
B681449		3.32	<0.5	9.75	<5	190	<0.5	<2	3.57	<0.5	42	72	285	11.40	1.31	1.77
B681450		1.94	<0.5	9.34	<5	60	<0.5	<2	5.80	<0.5	53	62	210	9.76	0.34	2.88
B681451		3.35	<0.5	8.58	<5	50	<0.5	<2	5.59	<0.5	58	119	258	10.65	0.27	3.31
B681452		3.99	<0.5	8.99	<5	50	<0.5	<2	6.15	<0.5	58	120	239	10.10	0.29	3.24
B681453		6.32	<0.5	8.81	<5	40	<0.5	<2	5.30	<0.5	51	125	204	10.45	0.23	3.27
B681454		5.04	<0.5	8.57	<5	50	<0.5	<2	5.13	<0.5	54	111	210	11.05	0.29	3.41
B681455		5.04	<0.5	8.06	<5	50	<0.5	<2	5.54	<0.5	60	78	231	10.85	0.30	3.58
B681456		4.52	<0.5	7.50	<5	60	<0.5	<2	4.42	<0.5	44	58	97	10.20	0.40	3.47
B681457		4.08	<0.5	7.74	<5	60	<0.5	<2	4.62	<0.5	60	54	227	11.00	0.37	3.57
B681458		2.87	<0.5	7.49	<5	60	<0.5	<2	4.30	<0.5	56	48	203	11.10	0.35	3.72
B681459		5.79	<0.5	8.18	<5	50	<0.5	<2	4.98	<0.5	56	45	272	10.15	0.28	3.37
B681460		6.40	<0.5	8.47	<5	40	<0.5	<2	5.75	<0.5	62	43	274	10.05	0.25	3.47
B681461		5.48	<0.5	8.73	<5	50	<0.5	<2	6.16	<0.5	64	79	344	10.05	0.26	3.30
B681462		4.92	<0.5	9.08	<5	70	<0.5	<2	5.67	<0.5	70	90	492	8.82	0.34	2.45
B681463		5.57	<0.5	8.59	5	50	<0.5	<2	5.62	<0.5	63	82	356	8.30	0.25	2.59
B681464		1.23	<0.5	9.27	10	60	<0.5	<2	5.94	<0.5	88	76	481	9.07	0.28	2.33
B681465		3.86	<0.5	9.97	<5	70	<0.5	<2	6.14	<0.5	69	91	391	9.73	0.32	2.56
B681466		5.54	<0.5	9.24	<5	60	<0.5	<2	5.79	<0.5	53	91	237	8.44	0.33	2.36
B681467		5.40	<0.5	9.59	<5	100	<0.5	<2	5.81	<0.5	37	83	196	7.33	0.45	1.90
B681468		4.70	<0.5	9.49	12	110	0.5	<2	5.81	<0.5	37	89	212	7.03	0.44	1.64
B681469		4.21	<0.5	9.70	<5	150	0.5	<2	5.59	<0.5	54	27	584	5.33	0.49	1.35
B681470		1.96	<0.5	9.40	<5	140	<0.5	<2	5.85	<0.5	46	57	275	7.19	0.50	1.91



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Project: North Rock

CERTIFICATE OF ANALYSIS TB06088174

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
B681431		1235	<1	2.08	63	260	<2	0.14	<5	147	0.88	561	<10	60	0.002	0.0027
B681432		1295	<1	2.20	112	270	4	0.17	<5	158	1.01	433	<10	63	0.004	0.0064
B681433		1220	<1	2.09	168	360	4	0.18	<5	146	0.86	254	<10	56	0.009	0.0275
B681434		1360	<1	2.16	218	300	2	0.27	<5	150	1.02	261	<10	64	0.012	0.0327
B681435		1300	<1	2.39	207	320	2	0.34	<5	162	0.88	228	<10	57	0.029	0.0431
B681436		1785	<1	1.79	187	310	<2	0.23	<5	123	0.94	213	<10	64	0.002	0.0416
B681437		1805	<1	1.60	184	240	<2	0.15	<5	105	0.87	183	<10	64	0.002	0.0456
B681438		1870	<1	1.59	183	460	<2	0.20	<5	108	0.84	214	<10	71	0.001	0.0527
B681439		2060	<1	1.41	152	500	<2	0.26	<5	90	0.90	188	<10	76	0.003	0.0480
B681440		2130	<1	1.56	255	960	<2	0.45	<5	105	0.65	169	<10	80	0.001	0.0311
B681441		1800	<1	1.54	466	500	<2	0.95	<5	107	0.79	269	<10	67	0.003	0.0500
B681442		2180	<1	1.49	210	480	<2	0.23	<5	100	0.84	165	10	73	0.001	0.0225
B681443		1965	<1	1.55	367	910	<2	0.61	<5	108	0.93	209	<10	62	0.001	0.0350
B681444		1920	<1	1.46	407	580	<2	0.70	<5	97	0.82	183	<10	61	0.001	0.0753
B681445		2040	<1	1.56	338	1270	<2	0.55	<5	106	0.86	263	<10	62	0.001	0.0706
B681446		1805	<1	1.48	197	340	<2	0.23	<5	100	0.91	177	<10	57	0.001	0.0779
B681447		1465	<1	1.62	424	860	<2	0.74	<5	116	0.89	241	<10	52	0.004	0.0681
B681448		1225	2	1.83	315	680	<2	0.46	<5	117	0.97	219	<10	53	0.013	0.0802
B681449		1330	1	2.43	76	30	<2	0.17	<5	144	1.24	139	<10	50	0.003	0.0938
B681450		1245	<1	1.95	244	480	<2	0.31	<5	132	1.00	222	<10	54	0.004	0.0778
B681451		1965	<1	1.68	336	650	<2	0.51	<5	124	0.96	342	<10	67	0.001	0.0613
B681452		1690	<1	1.88	338	670	<2	0.45	<5	145	0.88	409	<10	64	0.001	0.0692
B681453		1925	<1	1.81	263	560	<2	0.40	<5	128	0.68	257	<10	68	0.001	0.0740
B681454		2090	<1	1.74	273	590	2	0.41	<5	118	0.91	214	<10	73	0.001	0.0716
B681455		1825	<1	1.66	357	660	<2	0.40	<5	137	0.83	331	<10	72	0.001	0.0580
B681456		1970	<1	1.38	169	130	<2	0.18	<5	93	0.79	154	<10	68	0.001	0.0647
B681457		2070	<1	1.39	288	310	<2	0.40	<5	97	0.86	162	<10	72	0.001	0.0584
B681458		1895	<1	1.33	280	530	<2	0.30	<5	91	0.86	155	<10	74	0.002	0.0581
B681459		1785	<1	1.54	349	630	<2	0.45	<5	119	0.87	148	<10	68	0.004	0.0916
B681460		1800	<1	1.65	401	970	<2	0.53	<5	125	0.78	160	<10	70	0.002	0.0222
B681461		1765	<1	1.89	461	1270	<2	0.57	<5	149	1.04	280	<10	71	0.001	0.0793
B681462		1380	<1	2.19	607	930	<2	0.83	<5	181	0.89	229	<10	72	0.002	0.117
B681463		1310	<1	2.16	498	1200	<2	0.66	<5	155	0.78	213	<10	93	0.001	0.0621
B681464		1320	5	2.07	764	880	<2	1.02	<5	150	0.80	182	<10	70	0.001	0.102
B681465		1520	<1	2.12	517	690	<2	0.80	<5	146	1.09	230	<10	68	0.002	0.111
B681466		1300	<1	1.98	378	610	<2	0.40	<5	135	0.93	185	<10	58	0.001	0.134
B681467		1210	<1	2.47	275	480	<2	0.29	<5	177	0.99	196	<10	52	0.002	0.125
B681468		1220	<1	2.54	248	600	<2	0.25	<5	181	1.42	222	<10	50	0.017	0.0908
B681469		614	<1	3.02	416	1360	<2	0.78	<5	206	0.07	210	<10	39	0.018	0.0185
B681470		967	<1	2.67	313	530	2	0.24	<5	169	0.19	138	<10	56	0.004	0.0059



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CERTIFICATE OF ANALYSIS TB06088174

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
B681431		0.002
B681432		0.015
B681433		0.037
B681434		0.051
B681435		0.091
B681436		0.050
B681437		0.034
B681438		0.009
B681439		0.007
B681440		0.007
B681441		0.026
B681442		0.032
B681443		0.040
B681444		0.071
B681445		0.038
B681446		0.036
B681447		0.044
B681448		0.055
B681449		0.015
B681450		0.035
B681451		0.008
B681452		0.005
B681453		0.006
B681454		0.012
B681455		0.033
B681456		0.050
B681457		0.044
B681458		0.077
B681459		0.073
B681460		0.029
B681461		0.023
B681462		0.009
B681463		0.007
B681464		0.009
B681465		0.010
B681466		0.007
B681467		0.016
B681468		0.033
B681469		0.127
B681470		0.042



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CERTIFICATE OF ANALYSIS TB06088174

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
B681471		4.26	0.5	9.31	<5	210	<0.5	<2	4.90	<0.5	37	32	906	16.20	0.79	1.60
B681472		3.80	<0.5	9.73	<5	110	<0.5	<2	5.69	<0.5	59	22	3540	17.10	0.45	2.00
B681473		2.99	<0.5	10.95	14	90	<0.5	<2	6.62	<0.5	79	76	491	8.83	0.36	2.36
B681474		3.38	<0.5	10.20	<5	70	<0.5	<2	6.14	<0.5	66	82	357	9.44	0.29	2.69
B681475		3.17	<0.5	9.96	<5	50	<0.5	<2	6.21	<0.5	59	91	278	8.91	0.24	2.59
B681476		3.39	<0.5	10.25	<5	60	<0.5	<2	6.18	<0.5	49	92	210	8.49	0.27	2.53
B681477		5.01	<0.5	10.80	<5	110	<0.5	<2	6.25	<0.5	51	82	299	7.64	0.46	2.15
B681478		5.13	<0.5	11.80	6	100	<0.5	<2	6.79	<0.5	45	95	355	7.81	0.44	2.09
B681479		4.08	<0.5	10.95	<5	130	0.5	<2	5.93	<0.5	46	43	449	6.31	0.44	1.79
B681480		4.68	<0.5	11.30	<5	100	<0.5	<2	6.51	<0.5	47	58	268	6.81	0.46	2.15
B681481		5.12	<0.5	11.35	<5	170	<0.5	<2	6.03	<0.5	44	44	409	5.92	0.68	1.82
B681482		2.96	0.6	8.81	<5	110	0.5	<2	5.69	<0.5	76	28	4250	17.90	0.49	2.11
B681483		3.32	<0.5	10.65	<5	90	0.7	<2	7.04	<0.5	64	83	913	10.05	0.42	2.46
B681484		3.01	<0.5	10.00	<5	130	<0.5	<2	6.71	<0.5	36	68	665	10.80	0.47	3.00
B681485		3.69	<0.5	10.95	8	90	0.5	<2	6.85	<0.5	49	27	416	7.99	0.37	2.03
B681486		3.85	<0.5	10.50	<5	290	<0.5	<2	4.82	<0.5	39	57	266	13.05	1.38	2.55
B681487		2.38	<0.5	10.50	<5	130	<0.5	<2	5.81	<0.5	49	89	692	9.38	0.52	2.45
B681488		3.64	<0.5	9.91	<5	110	<0.5	<2	5.41	<0.5	58	66	470	12.50	0.49	2.27
B681489		4.60	<0.5	8.83	12	50	<0.5	<2	5.74	<0.5	44	68	220	8.00	0.20	2.82
B681490		5.70	<0.5	8.03	<5	30	<0.5	<2	6.42	<0.5	44	92	135	8.87	0.16	3.55
B681491		4.49	<0.5	8.42	<5	30	<0.5	<2	6.81	<0.5	44	106	164	8.38	0.13	3.62
B681492		3.88	<0.5	8.17	<5	30	<0.5	<2	6.60	<0.5	44	104	61	8.31	0.16	3.47
B681493		6.28	<0.5	8.75	<5	30	<0.5	<2	7.19	<0.5	48	113	482	9.29	0.14	3.86
B681494		4.37	<0.5	8.59	<5	40	<0.5	<2	5.84	<0.5	36	102	16	8.52	0.15	3.52
B681495		2.87	<0.5	7.57	<5	60	<0.5	<2	5.51	<0.5	76	96	450	10.65	0.26	3.67
B681496		3.40	<0.5	7.00	<5	50	<0.5	<2	5.79	<0.5	50	97	36	12.00	0.25	4.00
B681497		3.36	<0.5	7.88	<5	40	<0.5	<2	6.61	<0.5	45	112	32	11.05	0.19	3.47
B681498		3.24	<0.5	7.55	<5	40	<0.5	<2	6.67	<0.5	49	98	172	11.05	0.19	3.48
B681499		2.99	0.5	8.01	<5	30	<0.5	<2	6.87	<0.5	47	93	1635	11.20	0.17	3.54
B681500		5.07	0.7	7.40	<5	30	<0.5	<2	6.30	<0.5	48	85	3090	10.55	0.16	3.40
B681501		5.35	<0.5	7.93	<5	30	<0.5	<2	6.28	<0.5	47	85	2120	9.67	0.12	3.51
B681502		4.74	0.9	7.91	<5	30	<0.5	<2	5.43	<0.5	56	82	4090	10.90	0.12	3.59
B681503		4.53	<0.5	7.74	<5	30	<0.5	<2	5.94	<0.5	47	86	191	10.25	0.14	3.68
B681504		3.37	<0.5	7.93	<5	30	<0.5	<2	6.91	<0.5	49	79	799	9.55	0.14	3.61
B681505		2.62	<0.5	10.20	<5	90	0.5	<2	6.06	<0.5	71	69	630	7.13	0.31	2.19
B681506		3.31	<0.5	11.15	<5	130	<0.5	<2	6.81	<0.5	58	74	471	7.65	0.51	2.35
B681507		3.54	<0.5	11.40	<5	150	<0.5	<2	6.14	<0.5	46	63	334	6.56	0.52	1.76
B681508		4.08	<0.5	9.16	<5	190	0.5	<2	5.45	<0.5	48	70	205	7.62	0.63	2.03
B681509		4.31	<0.5	9.83	5	130	0.5	<2	5.87	<0.5	55	52	379	6.29	0.48	1.77
B681510		3.09	<0.5	10.60	10	180	0.7	<2	5.42	<0.5	45	38	520	4.79	0.48	1.16



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Project: North Rock

CERTIFICATE OF ANALYSIS TB06088174

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.001	0.0005
B681471		6970	<1	1.19	142	880	<2	0.39	<5	92	0.08	126	<10	83	0.012	0.0042
B681472		9270	2	0.91	310	500	6	2.17	<5	90	0.06	105	<10	68	0.050	0.0308
B681473		1355	6	2.46	551	1030	5	0.82	<5	172	0.79	177	<10	66	0.002	0.111
B681474		1545	1	2.18	437	770	<2	0.66	<5	140	0.98	188	<10	66	0.001	0.119
B681475		1435	1	1.95	385	830	<2	0.57	<5	128	0.94	174	<10	59	0.002	0.131
B681476		1360	<1	1.99	319	600	2	0.39	<5	127	0.92	168	<10	56	0.001	0.131
B681477		1235	1	2.37	394	490	<2	0.48	<5	167	0.93	174	<10	55	0.002	0.117
B681478		1375	1	2.67	309	580	<2	0.44	<5	192	1.33	199	<10	58	0.006	0.0978
B681479		735	4	3.11	325	1700	3	0.53	<5	194	0.08	259	<10	43	0.013	0.0081
B681480		952	1	2.64	301	500	2	0.40	<5	173	0.35	150	<10	56	0.001	0.0103
B681481		735	1	2.84	269	680	<2	0.29	<5	180	0.07	97	<10	50	0.003	0.0072
B681482		7760	2	1.12	365	310	5	2.83	<5	67	0.07	104	90	88	0.031	0.0417
B681483		1630	1	2.26	323	610	3	1.23	<5	165	0.06	136	<10	65	0.026	0.306
B681484		1445	2	2.13	129	130	3	0.25	<5	148	0.19	168	<10	89	0.018	0.0505
B681485		1125	1	2.80	224	2660	4	0.43	<5	191	0.14	309	<10	54	0.019	0.0418
B681486		2000	3	1.98	81	2020	4	0.10	<5	111	0.18	294	<10	76	0.005	0.0265
B681487		1250	3	2.45	257	270	<2	0.84	<5	189	0.10	108	<10	57	0.034	0.0281
B681488		3700	5	1.96	210	2090	3	0.40	<5	133	0.16	175	<10	58	0.022	0.0094
B681489		1255	1	2.37	156	1510	<2	0.28	<5	172	0.21	242	<10	52	0.002	0.0117
B681490		1515	1	1.87	103	490	<2	0.17	<5	132	0.28	281	<10	61	0.001	0.0034
B681491		1555	<1	2.00	109	60	<2	0.03	<5	139	0.36	289	<10	61	0.003	0.0279
B681492		1490	<1	2.00	72	80	<2	0.01	<5	144	0.47	365	<10	60	0.001	0.0048
B681493		1600	1	2.15	129	60	<2	0.08	<5	152	0.60	396	<10	70	0.021	0.0735
B681494		1370	1	2.44	75	100	2	0.01	<5	168	0.44	268	<10	60	0.001	0.0040
B681495		1475	1	2.00	359	540	4	0.85	<5	141	0.54	417	<10	63	0.010	0.240
B681496		1815	1	1.77	144	50	5	0.03	<5	104	0.99	652	<10	76	0.002	0.287
B681497		1665	<1	1.89	74	60	4	0.01	<5	142	1.01	391	<10	78	0.001	0.0114
B681498		1520	1	1.76	99	110	4	0.01	<5	131	0.82	374	<10	80	0.002	0.0054
B681499		1625	1	2.02	258	140	5	0.18	<5	147	0.78	366	<10	78	0.026	0.0744
B681500		1585	1	1.82	358	150	<2	0.33	<5	134	0.78	335	<10	64	0.059	0.159
B681501		1725	1	2.16	266	110	8	0.22	<5	161	0.80	377	<10	69	0.036	0.102
B681502		1850	1	2.22	554	90	2	0.49	<5	137	0.74	350	<10	77	0.070	0.217
B681503		1910	1	1.97	122	140	6	0.03	<5	138	0.82	346	<10	72	0.004	0.0097
B681504		1665	1	2.09	149	210	2	0.15	<5	175	0.90	369	<10	65	0.009	0.0078
B681505		862	3	2.63	504	810	2	0.90	<5	165	0.12	355	<10	51	0.018	0.0654
B681506		998	1	2.51	364	790	4	0.46	<5	174	0.36	312	<10	57	0.011	0.0484
B681507		915	2	2.83	303	410	3	0.32	<5	209	0.60	120	<10	47	0.002	0.0843
B681508		1190	<1	2.72	269	550	6	0.18	<5	202	0.91	185	<10	77	0.003	0.0702
B681509		720	<1	2.93	422	340	6	0.56	5	202	0.03	79	<10	87	0.004	0.0322
B681510		477	<1	3.37	284	450	3	0.56	<5	251	0.04	98	<10	87	0.020	0.0277



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CERTIFICATE OF ANALYSIS TB06088174

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
B681471		0.038
B681472		0.118
B681473		0.014
B681474		0.013
B681475		0.010
B681476		0.007
B681477		0.016
B681478		0.022
B681479		0.105
B681480		0.029
B681481		0.015
B681482		0.074
B681483		0.048
B681484		0.048
B681485		0.088
B681486		0.013
B681487		0.070
B681488		0.105
B681489		0.092
B681490		0.016
B681491		0.034
B681492		0.005
B681493		0.153
B681494		0.011
B681495		0.392
B681496		0.062
B681497		0.008
B681498		0.016
B681499		0.158
B681500		0.306
B681501		0.207
B681502		0.457
B681503		0.017
B681504		0.047
B681505		0.153
B681506		0.096
B681507		0.035
B681508		0.020
B681509		0.015
B681510		0.049



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CERTIFICATE OF ANALYSIS TB06088174

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01	0.01
B681511		3.22	<0.5	10.20	<5	200	0.5	<2	5.50	<0.5	41	29	669	4.06	0.42	0.73
B681512		2.85	<0.5	9.06	<5	70	<0.5	2	6.12	<0.5	50	98	366	7.96	0.28	2.77
B681513		3.63	<0.5	8.05	<5	50	<0.5	<2	5.81	<0.5	68	94	279	9.95	0.26	3.38
B681514		4.03	<0.5	8.40	5	90	<0.5	<2	5.04	<0.5	47	74	286	11.00	0.41	3.06
B681515		4.49	<0.5	8.85	<5	120	0.8	2	5.24	<0.5	43	51	983	12.10	0.60	2.37
B681516		3.36	<0.5	8.35	<5	60	<0.5	<2	5.39	<0.5	39	74	376	8.25	0.23	2.85
B681517		4.19	<0.5	7.97	5	40	<0.5	<2	6.21	<0.5	44	93	257	8.42	0.16	3.36
B681518		4.58	<0.5	8.17	6	30	<0.5	<2	6.52	<0.5	47	111	64	9.19	0.17	3.78
B681519		6.42	<0.5	7.58	7	30	<0.5	<2	6.27	0.5	49	128	91	10.20	0.12	4.04
B681520		5.22	<0.5	7.80	7	30	<0.5	<2	5.75	<0.5	54	122	125	9.85	0.14	3.83
B681521		4.40	<0.5	8.06	9	30	<0.5	<2	6.71	<0.5	44	112	56	9.29	0.12	3.66
B681522		6.51	<0.5	7.42	<5	50	<0.5	<2	6.15	<0.5	48	73	21	11.60	0.20	3.04
B681523		5.71	<0.5	7.09	<5	40	<0.5	<2	7.07	<0.5	44	61	10	10.95	0.18	3.19
B681524		5.09	<0.5	7.07	<5	40	<0.5	<2	6.74	<0.5	45	63	5	10.75	0.17	2.90
B681525		6.49	<0.5	7.12	<5	30	<0.5	<2	6.70	<0.5	45	55	8	11.05	0.17	2.77



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CERTIFICATE OF ANALYSIS TB06088174

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24	
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.001	0.0005
B681511		454	<1	3.34	276	290	5	0.75	<5	228	0.25	106	<10	29	0.030	0.0554
B681512		1165	<1	2.32	222	790	2	0.32	<5	161	0.11	249	<10	58	0.039	0.0454
B681513		1390	<1	1.83	320	810	4	0.45	<5	128	0.24	283	<10	55	0.003	0.0983
B681514		1810	<1	2.02	151	390	2	0.24	<5	125	0.21	318	<10	64	0.012	0.0395
B681515		2160	1	2.00	137	460	4	0.36	<5	135	0.12	259	<10	59	0.108	0.0246
B681516		1355	1	2.49	132	330	4	0.14	<5	176	0.22	225	<10	57	0.017	0.0410
B681517		1395	<1	2.06	123	110	3	0.14	<5	151	0.31	273	<10	56	0.008	0.0204
B681518		1555	<1	2.14	96	60	3	0.02	<5	145	0.34	336	<10	63	0.001	0.0040
B681519		1650	<1	1.83	96	160	11	0.07	15	126	0.35	352	<10	64	0.002	0.0169
B681520		1570	<1	2.10	163	100	2	0.19	<5	148	0.34	285	<10	59	0.004	0.0264
B681521		1510	<1	2.16	60	80	4	0.01	<5	159	0.50	490	<10	59	0.001	0.0052
B681522		1815	<1	2.30	52	290	7	0.01	<5	176	0.95	417	<10	70	0.001	0.0029
B681523		1765	<1	1.94	41	510	4	<0.01	<5	167	0.97	374	<10	55	0.001	0.0027
B681524		1650	<1	1.98	41	480	4	<0.01	<5	157	0.97	379	<10	52	0.001	0.0024
B681525		1660	<1	2.10	35	590	4	<0.01	<5	188	1.02	376	<10	54	0.001	0.0026



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CERTIFICATE OF ANALYSIS TB06088174

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
B681511		0.066
B681512		0.079
B681513		0.055
B681514		0.120
B681515		0.088
B681516		0.048
B681517		0.037
B681518		0.009
B681519		0.024
B681520		0.054
B681521		0.007
B681522		0.007
B681523		0.002
B681524		0.002
B681525		0.002



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Finalized Date: 10-OCT-2006
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CERTIFICATE TB06090668

Project: NORTH ROCK

P.O. No.:

This report is for 181 Channel samples submitted to our lab in Thunder Bay, ON, Canada on 19-SEP-2006.

The following have access to data associated with this certificate:

MITCH DUMOULIN

AUBREY J. EVELEIGH

A.D. MACTAVISH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	27 element four acid ICP-AES	ICP-AES
PGM-MS24	Pt, Pd and Au 50g FA ICP-MS	ICP-MS

To: METAL CORP LTD
ATTN: AUBREY J. EVELEIGH
309 S COURT ST
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Keith Rogers, Executive Manager Vancouver Laboratory



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CERTIFICATE OF ANALYSIS TB06090668

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
B681526		4.38	<0.5	2.36	<5	20	<0.5	<2	2.45	<0.5	119	1320	197	18.05	0.05	9.56
B681527		5.48	<0.5	2.19	8	10	<0.5	<2	2.15	<0.5	128	1210	137	19.50	0.03	9.81
B681528		5.88	<0.5	1.90	31	40	<0.5	<2	1.96	<0.5	114	1030	61	15.80	0.01	8.17
B681529		4.24	<0.5	2.43	21	20	<0.5	<2	2.30	<0.5	130	1170	137	19.15	0.01	10.15
B681530		5.10	<0.5	2.30	14	30	<0.5	<2	2.45	<0.5	129	1420	226	19.30	0.01	10.20
B681531		4.44	<0.5	2.31	21	20	<0.5	<2	2.51	<0.5	126	1400	181	19.00	0.02	10.25
B681532		5.03	<0.5	2.23	<5	10	<0.5	<2	2.66	<0.5	118	1320	226	18.25	0.02	10.10
B681533		4.19	<0.5	2.39	<5	<10	<0.5	<2	2.79	<0.5	117	1130	164	17.70	0.03	9.99
B681534		4.73	0.6	2.06	<5	10	<0.5	<2	2.54	<0.5	125	1490	1150	19.05	0.01	10.10
B681535		5.06	<0.5	2.23	<5	10	<0.5	<2	2.49	<0.5	124	1380	638	19.70	0.01	10.45
B681536		4.68	<0.5	2.18	<5	10	<0.5	<2	2.21	<0.5	117	1380	846	18.20	0.02	9.87
B681537		2.86	<0.5	3.34	<5	<10	<0.5	<2	2.89	<0.5	123	1280	466	18.10	0.04	9.94
B681538		2.89	<0.5	3.39	<5	10	<0.5	2	4.82	<0.5	114	1200	995	15.95	0.07	8.85
B681539		2.85	<0.5	3.24	<5	<10	<0.5	<2	3.51	<0.5	133	1140	1300	17.50	0.03	9.62
B681540		2.68	<0.5	3.39	<5	<10	<0.5	<2	3.52	<0.5	120	1370	865	17.70	0.04	9.81
B681541		3.13	<0.5	3.31	<5	10	<0.5	<2	4.01	<0.5	128	1260	827	17.30	0.06	8.98
B681542		2.95	<0.5	7.14	<5	70	<0.5	<2	7.14	<0.5	58	553	182	11.55	0.27	4.80
B681543		3.93	0.5	6.70	<5	60	<0.5	<2	6.50	<0.5	56	459	139	11.05	0.23	4.70
B681544		3.05	<0.5	6.41	<5	60	<0.5	<2	6.78	<0.5	63	982	598	12.15	0.24	5.38
B681545		4.25	<0.5	7.46	<5	60	<0.5	<2	6.69	<0.5	70	622	951	10.70	0.21	4.55
B681546		2.60	<0.5	9.70	8	70	<0.5	<2	6.86	<0.5	49	99	1290	6.23	0.16	2.11
B681547		3.87	<0.5	9.72	<5	50	<0.5	<2	7.50	<0.5	37	126	172	6.86	0.14	2.86
B681548		2.40	<0.5	10.15	<5	60	<0.5	2	7.28	<0.5	29	78	58	6.25	0.16	2.81
B681549		3.90	<0.5	5.09	<5	80	<0.5	<2	5.74	<0.5	67	834	565	13.35	0.35	5.56
B681550		3.00	0.5	10.60	<5	100	<0.5	<2	6.60	<0.5	86	95	2350	7.64	0.35	2.57
B681551		3.43	0.5	9.87	11	80	<0.5	<2	7.06	<0.5	32	110	153	6.09	0.24	2.70
B681552		3.83	<0.5	9.62	<5	70	<0.5	<2	7.15	<0.5	31	78	114	6.68	0.22	2.91
B681553		3.82	<0.5	9.81	<5	70	0.5	<2	7.71	<0.5	30	91	64	6.63	0.23	2.69
B681554		4.55	<0.5	9.95	<5	70	<0.5	<2	7.81	<0.5	34	72	34	6.99	0.23	2.98
B681555		4.91	<0.5	7.02	<5	60	<0.5	<2	6.40	<0.5	63	391	323	11.15	0.27	4.68
B681556		3.34	0.5	9.98	<5	70	<0.5	<2	6.49	<0.5	89	92	1710	7.37	0.25	2.30
B681557		3.90	0.5	10.60	9	90	<0.5	<2	6.92	<0.5	68	105	1210	7.35	0.29	2.56
B681558		1.92	<0.5	9.56	<5	70	0.6	<2	6.82	<0.5	30	90	93	6.60	0.24	2.41
B681559		2.90	<0.5	9.42	<5	80	<0.5	<2	6.95	<0.5	34	115	57	7.05	0.27	2.84
B681560		4.76	<0.5	9.97	<5	60	0.8	<2	7.42	<0.5	37	78	47	7.08	0.22	2.81
B681561		3.70	<0.5	9.66	<5	80	0.7	<2	7.88	<0.5	36	91	44	6.97	0.24	2.81
B681562		2.72	<0.5	9.78	<5	100	0.8	2	7.59	<0.5	35	69	105	6.85	0.29	2.61
B681563		2.14	<0.5	8.77	<5	80	1.2	<2	7.79	<0.5	33	100	39	7.41	0.25	3.09
B681564		4.10	<0.5	8.52	<5	60	0.9	<2	9.07	<0.5	64	85	873	8.77	0.20	2.87
B681565		3.36	<0.5	9.27	<5	60	0.6	2	8.02	<0.5	45	64	70	8.86	0.25	2.92



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Project: NORTH ROCK

CERTIFICATE OF ANALYSIS TB06090668

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24
	Analyte Units LOR	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 5	Sr ppm 1	Ti % 0.01	V ppm 1	W ppm 10	Zn ppm 2	Au ppm 0.001	Pt ppm 0.0005
B681526		2760	<1	0.13	876	80	<2	0.06	<5	6	0.59	420	<10	149	0.044	0.0050
B681527		2810	<1	0.09	841	120	<2	0.04	7	3	0.62	447	10	147	0.003	0.0032
B681528		1925	<1	0.02	947	80	<2	0.07	6	4	0.39	343	<10	107	0.002	0.0029
B681529		2220	<1	0.03	1010	160	<2	0.05	<5	4	0.51	414	10	125	0.003	0.0027
B681530		2300	<1	0.04	1050	150	<2	0.07	<5	4	0.54	422	<10	129	0.004	0.0114
B681531		2490	<1	0.05	924	200	6	0.06	<5	4	0.60	408	10	139	0.003	0.0035
B681532		2570	<1	0.07	761	200	2	0.04	7	3	0.60	423	<10	137	0.004	0.0064
B681533		2600	<1	0.10	623	120	3	0.02	5	3	0.61	454	<10	136	0.003	0.0026
B681534		2460	<1	0.02	970	130	<2	0.22	5	5	0.51	379	10	128	0.012	0.0181
B681535		2430	<1	0.03	993	160	2	0.15	<5	6	0.60	420	<10	128	0.007	0.0146
B681536		2610	<1	0.05	901	160	<2	0.21	7	4	0.54	389	<10	133	0.009	0.0167
B681537		2710	<1	0.12	745	140	<2	0.16	9	3	0.63	397	<10	152	0.005	0.0099
B681538		2490	<1	0.26	733	220	<2	0.30	<5	7	0.52	394	<10	150	0.010	0.0160
B681539		2210	<1	0.12	979	210	5	0.38	10	3	0.50	350	<10	148	0.012	0.0082
B681540		2810	<1	0.17	836	170	<2	0.23	<5	5	0.45	343	10	165	0.008	0.0079
B681541		2920	<1	0.20	849	180	6	0.38	<5	7	0.56	350	10	162	0.007	0.0188
B681542		1735	<1	1.51	168	240	4	0.03	<5	164	0.57	355	<10	113	0.002	0.0049
B681543		1670	<1	1.44	161	100	<2	0.05	<5	157	0.50	319	<10	103	0.002	0.0127
B681544		1970	<1	1.30	294	260	2	0.15	<5	104	0.63	431	<10	122	0.007	0.0171
B681545		1635	<1	1.58	536	200	2	0.45	<5	131	0.50	294	<10	94	0.010	0.141
B681546		844	<1	2.50	410	230	<2	0.46	<5	211	0.32	144	<10	51	0.021	0.0524
B681547		1070	<1	2.19	145	360	4	0.08	<5	167	0.40	195	<10	48	0.003	0.0118
B681548		987	<1	2.41	86	240	3	0.02	<5	185	0.33	164	<10	49	0.001	0.0050
B681549		2220	<1	0.72	294	350	<2	0.13	<5	30	0.67	412	<10	115	0.006	0.0173
B681550		1015	<1	2.79	1090	180	6	0.94	<5	222	0.30	171	<10	70	0.034	0.154
B681551		1045	<1	2.51	115	240	4	0.03	<5	191	0.31	178	<10	61	0.003	0.0055
B681552		1120	<1	2.35	113	280	5	0.03	<5	172	0.30	176	<10	60	0.003	0.0042
B681553		1155	<1	2.29	72	290	2	0.02	<5	171	0.33	180	<10	57	0.001	0.0006
B681554		1240	<1	2.25	74	270	2	0.02	<5	161	0.37	219	<10	60	0.001	0.0006
B681555		1780	<1	1.42	375	230	2	0.25	<5	99	0.57	323	10	87	0.005	0.0454
B681556		976	<1	2.58	1090	320	4	1.11	<5	204	0.33	163	<10	63	0.016	0.122
B681557		1050	<1	2.72	769	320	<2	0.71	<5	222	0.29	172	10	64	0.026	0.159
B681558		1110	<1	2.71	156	380	<2	0.04	<5	222	0.40	213	<10	55	0.002	0.0017
B681559		1180	<1	2.30	102	250	<2	0.02	<5	171	0.36	207	10	61	0.001	0.0014
B681560		1195	<1	2.33	70	340	2	0.02	<5	181	0.38	188	10	62	0.001	0.0019
B681561		1295	<1	2.18	72	280	<2	0.01	<5	181	0.37	190	<10	63	0.002	0.0078
B681562		1235	<1	2.37	67	370	<2	0.04	<5	205	0.34	156	<10	62	0.001	0.0027
B681563		1410	<1	2.10	52	810	<2	<0.01	<5	210	0.56	194	<10	75	0.001	0.0012
B681564		1500	<1	1.24	114	320	<2	0.75	<5	203	0.46	204	10	64	0.004	0.0027
B681565		1515	<1	1.91	100	270	6	0.07	<5	176	0.72	509	<10	72	0.001	0.0028



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Project: NORTH ROCK

CERTIFICATE OF ANALYSIS TB06090668

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
B681526		0.005
B681527		0.003
B681528		0.001
B681529		0.024
B681530		0.033
B681531		0.012
B681532		0.015
B681533		0.005
B681534		0.036
B681535		0.027
B681536		0.016
B681537		0.020
B681538		0.031
B681539		0.021
B681540		0.015
B681541		0.030
B681542		0.022
B681543		0.013
B681544		0.047
B681545		0.155
B681546		0.130
B681547		0.024
B681548		0.008
B681549		0.063
B681550		0.346
B681551		0.011
B681552		0.010
B681553		0.001
B681554		0.001
B681555		0.155
B681556		0.294
B681557		0.293
B681558		0.005
B681559		0.002
B681560		0.002
B681561		0.005
B681562		0.002
B681563		0.001
B681564		0.008
B681565		0.003



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CERTIFICATE OF ANALYSIS TB06090668

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%
	LOR	0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01	0.01
B681566		2.06	<0.5	8.68	<5	60	<0.5	<2	7.14	<0.5	34	55	51	6.56	0.21	2.66
B681567		3.07	<0.5	9.39	<5	60	<0.5	<2	7.54	<0.5	35	69	35	7.15	0.25	3.12
B681568		3.73	<0.5	9.45	<5	70	<0.5	<2	7.74	<0.5	34	69	33	7.69	0.34	3.15
B681569		3.50	<0.5	8.09	10	60	<0.5	<2	6.76	<0.5	31	104	32	7.32	0.26	2.86
B681570		3.03	<0.5	7.88	<5	110	0.6	<2	6.08	<0.5	31	98	36	8.22	0.51	3.34
B681571		2.31	<0.5	8.59	<5	80	0.7	<2	7.69	<0.5	37	85	53	8.67	0.30	3.34
B681572		1.93	<0.5	9.36	<5	60	0.6	2	8.20	<0.5	37	36	39	8.32	0.24	3.27
B681573		2.39	<0.5	9.03	<5	70	<0.5	<2	7.90	<0.5	38	38	32	9.23	0.29	3.20
B681574		1.11	<0.5	8.09	<5	40	0.6	2	9.66	<0.5	40	49	570	8.84	0.17	2.86
B681575		3.17	<0.5	9.24	<5	90	0.6	<2	7.85	<0.5	36	40	79	9.01	0.32	2.92
B681576		3.62	<0.5	9.28	12	120	0.8	<2	7.27	<0.5	38	20	63	8.82	0.39	3.02
B681577		2.20	<0.5	9.42	11	200	0.9	<2	7.81	<0.5	43	44	326	9.53	0.57	3.18
B681578		4.89	<0.5	9.12	<5	90	<0.5	<2	7.78	<0.5	42	21	166	9.68	0.38	2.95
B681579		3.13	<0.5	9.30	<5	80	<0.5	<2	7.52	<0.5	39	48	104	8.32	0.33	3.25
B681580		1.68	<0.5	8.68	7	90	0.6	<2	6.75	<0.5	33	74	50	8.37	0.42	3.37
B681581		3.26	<0.5	9.20	<5	90	0.9	<2	8.40	<0.5	44	57	173	9.27	0.33	3.36
B681582		3.10	<0.5	9.44	<5	90	0.8	<2	7.75	<0.5	40	23	47	9.37	0.35	3.28
B681583		3.34	<0.5	8.95	<5	100	0.8	<2	9.65	<0.5	49	42	469	9.75	0.32	3.32
B681584		3.95	<0.5	8.51	<5	90	0.9	<2	8.35	<0.5	33	20	345	9.44	0.30	2.99
B681585		3.61	<0.5	9.22	<5	130	1.1	<2	8.18	<0.5	41	43	324	9.38	0.40	3.13
B681586		3.11	<0.5	9.21	<5	50	0.5	<2	7.55	<0.5	47	25	185	9.34	0.21	2.95
B681587		3.20	<0.5	8.74	9	50	0.7	<2	7.46	<0.5	50	55	260	9.59	0.20	2.69
B681588		3.92	<0.5	7.63	<5	60	<0.5	3	7.54	<0.5	104	46	390	11.80	0.30	3.96
B681589		3.67	<0.5	8.80	<5	60	<0.5	<2	7.01	<0.5	60	73	302	9.57	0.26	3.51
B681590		3.52	<0.5	9.29	<5	50	<0.5	<2	7.11	<0.5	60	34	341	9.13	0.21	3.16
B681591		5.40	<0.5	8.94	<5	40	<0.5	<2	7.89	<0.5	54	76	202	9.57	0.21	3.70
B681592		4.73	<0.5	8.28	6	40	<0.5	<2	7.60	<0.5	89	49	610	10.60	0.21	3.46
B681593		3.38	<0.5	7.75	<5	40	<0.5	3	7.60	<0.5	122	58	1040	12.30	0.24	3.90
B681594		3.32	<0.5	8.17	<5	50	<0.5	<2	7.47	<0.5	60	61	204	11.00	0.25	3.87
B681595		4.25	<0.5	8.65	<5	60	<0.5	<2	7.40	<0.5	55	61	236	10.20	0.27	3.79
B681596		6.30	<0.5	7.38	<5	40	<0.5	<2	7.89	<0.5	60	62	235	11.75	0.25	4.49
B681597		6.91	<0.5	6.53	<5	40	<0.5	<2	7.32	<0.5	73	74	326	11.85	0.24	4.51
B681598		6.54	<0.5	7.48	<5	50	0.5	<2	7.36	<0.5	83	61	503	12.10	0.29	4.21
B681599		5.92	<0.5	6.60	<5	40	<0.5	<2	7.38	<0.5	69	66	206	12.35	0.28	4.68
B681600		5.80	<0.5	8.65	<5	70	<0.5	<2	6.53	<0.5	82	58	483	10.25	0.36	3.31
B681601		4.98	<0.5	7.56	<5	80	<0.5	<2	6.22	<0.5	75	73	297	12.15	0.41	4.24
B681602		5.06	<0.5	7.23	6	60	<0.5	<2	6.02	<0.5	97	49	526	13.25	0.39	4.38
B681603		4.45	<0.5	8.83	11	70	<0.5	<2	6.06	<0.5	72	60	376	10.90	0.36	3.64
B681604		2.88	<0.5	6.73	<5	70	<0.5	3	5.27	<0.5	114	65	640	14.25	0.51	4.69
B681605		2.35	<0.5	9.61	<5	80	<0.5	<2	7.93	<0.5	72	74	613	10.50	0.47	2.97



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Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24
	Analyte Units LOR	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm	Au ppm	Pt ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	10	10	2	0.001	0.0005
B681566		1175	<1	2.14	60	250	4	0.04	<5	166	0.39	189	<10	56	0.001	0.0014
B681567		1215	<1	2.16	65	240	5	0.03	<5	163	0.38	189	10	64	0.001	0.0009
B681568		1300	<1	2.12	64	290	2	0.02	<5	182	0.42	220	<10	64	0.001	0.0015
B681569		1195	<1	1.78	63	290	5	0.02	<5	134	0.50	248	<10	62	0.001	0.0015
B681570		1330	<1	2.51	42	1180	5	0.01	<5	151	0.77	217	<10	73	<0.001	<0.0005
B681571		1435	<1	1.97	92	380	2	0.03	<5	156	0.77	426	<10	69	0.001	0.0110
B681572		1350	<1	2.06	84	250	3	0.02	<5	179	0.43	292	<10	72	0.001	0.0027
B681573		1485	<1	2.05	95	280	5	0.01	6	175	0.77	522	<10	79	0.001	0.0025
B681574		1530	<1	1.04	60	660	2	0.38	<5	180	0.65	284	<10	68	0.003	0.0011
B681575		1485	<1	2.17	71	300	5	0.03	5	183	0.72	437	<10	77	0.001	0.0017
B681576		1465	<1	2.53	68	300	5	0.03	<5	184	0.70	418	<10	73	0.001	0.0016
B681577		1560	<1	2.28	75	320	6	0.12	6	186	0.85	493	<10	88	0.002	0.0015
B681578		1535	<1	2.01	66	280	<2	0.11	<5	160	0.89	519	10	82	0.002	0.0018
B681579		1270	<1	2.05	88	260	<2	0.05	<5	167	0.53	350	<10	63	0.002	0.0019
B681580		1330	<1	2.56	60	880	4	0.02	<5	174	0.70	264	<10	78	<0.001	0.0009
B681581		1495	<1	2.14	103	330	4	0.15	<5	177	0.71	445	<10	74	0.001	0.0029
B681582		1510	<1	2.46	90	300	4	0.01	<5	185	0.71	472	<10	76	0.001	0.0019
B681583		1760	<1	1.43	81	300	2	0.21	<5	194	0.69	399	10	75	0.002	0.0022
B681584		1585	<1	1.89	46	310	6	0.11	<5	180	0.66	341	<10	69	0.002	0.0020
B681585		1530	<1	2.12	63	340	2	0.19	<5	189	0.71	395	10	87	0.002	0.0018
B681586		1300	<1	2.21	122	350	4	0.28	<5	155	0.81	410	<10	72	0.002	0.0077
B681587		1280	<1	1.87	120	340	6	0.43	<5	141	0.93	505	<10	66	0.001	0.0020
B681588		1645	<1	1.67	431	1050	5	1.08	<5	111	1.44	611	<10	83	0.004	0.0232
B681589		1350	4	2.16	260	90	4	0.49	<5	139	0.83	198	<10	68	0.003	0.0212
B681590		1155	6	2.24	280	120	6	0.57	<5	143	0.67	168	<10	66	0.001	0.0463
B681591		1200	<1	2.07	244	190	2	0.31	<5	136	0.65	322	<10	86	0.001	0.0704
B681592		1215	5	1.84	597	230	7	0.99	5	125	0.69	316	<10	81	0.005	0.0630
B681593		1335	<1	1.76	900	300	<2	1.59	<5	115	0.80	404	<10	79	0.005	0.0791
B681594		1350	1	2.02	290	420	8	0.32	<5	117	0.75	282	10	85	0.009	0.0740
B681595		1335	1	2.12	263	410	6	0.36	<5	136	0.74	229	<10	71	0.003	0.0603
B681596		1485	<1	1.64	309	1000	6	0.29	<5	101	0.95	532	<10	83	0.003	0.0667
B681597		1520	<1	1.49	442	870	2	0.58	5	88	0.98	366	<10	83	0.003	0.0660
B681598		1405	53	1.66	490	810	<2	0.66	<5	101	0.89	375	<10	91	0.006	0.0422
B681599		1600	<1	1.41	378	1000	7	0.33	<5	74	0.91	302	<10	92	0.004	0.0550
B681600		1370	2	2.18	562	1000	5	0.97	<5	145	1.08	217	10	58	0.003	0.0484
B681601		1700	<1	1.58	442	650	<2	0.54	<5	87	0.92	212	<10	68	0.003	0.0323
B681602		1860	<1	1.30	616	1500	<2	0.93	<5	63	0.85	262	<10	64	0.002	0.0278
B681603		1530	1	1.88	441	920	2	0.67	<5	104	0.59	181	<10	65	0.001	0.0606
B681604		1855	3	1.46	752	1060	8	1.27	<5	38	0.90	241	<10	87	0.001	0.134
B681605		1120	<1	2.00	439	1870	<2	0.56	<5	186	0.51	313	<10	68	0.003	0.264



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CERTIFICATE OF ANALYSIS TB06090668

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
B681566		0.001
B681567		0.001
B681568		0.001
B681569		0.003
B681570		0.001
B681571		0.009
B681572		0.001
B681573		0.001
B681574		0.001
B681575		0.001
B681576		0.001
B681577		0.002
B681578		0.001
B681579		0.002
B681580		0.001
B681581		0.003
B681582		0.001
B681583		0.001
B681584		0.002
B681585		0.001
B681586		0.031
B681587		0.010
B681588		0.057
B681589		0.073
B681590		0.083
B681591		0.077
B681592		0.154
B681593		0.250
B681594		0.156
B681595		0.124
B681596		0.117
B681597		0.144
B681598		0.158
B681599		0.098
B681600		0.083
B681601		0.058
B681602		0.072
B681603		0.095
B681604		0.117
B681605		0.068



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CERTIFICATE OF ANALYSIS TB06090668

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
B681606		2.60	0.6	9.54	5	110	<0.5	<2	6.10	<0.5	361	14	2970	11.55	0.52	0.83
B681607		2.89	<0.5	10.05	41	80	<0.5	2	5.01	<0.5	292	44	1540	9.29	0.31	0.64
B681608		4.94	<0.5	10.75	18	260	<0.5	<2	5.72	<0.5	129	11	1260	5.66	0.47	0.31
B681609		2.67	<0.5	10.95	<5	140	<0.5	<2	5.89	<0.5	85	58	1070	5.94	0.39	0.75
B681610		2.38	<0.5	10.70	<5	70	<0.5	<2	7.16	<0.5	84	71	660	8.16	0.29	2.49
B681611		3.65	<0.5	9.82	6	60	0.5	<2	6.08	<0.5	125	64	552	8.83	0.25	2.27
B681612		2.78	<0.5	8.78	<5	40	<0.5	<2	6.33	<0.5	72	113	368	10.10	0.21	3.96
B681613		2.97	<0.5	8.61	6	40	<0.5	<2	6.25	<0.5	50	138	178	10.00	0.26	3.87
B681614		3.62	<0.5	8.58	<5	60	<0.5	<2	6.16	<0.5	49	95	169	9.12	0.32	3.79
B681615		5.60	<0.5	8.49	<5	70	<0.5	<2	6.74	<0.5	76	93	478	11.00	0.36	3.71
B681616		4.17	<0.5	7.95	<5	70	<0.5	<2	6.26	<0.5	78	190	762	11.00	0.38	3.61
B681617		5.35	<0.5	6.86	<5	60	<0.5	<2	6.55	<0.5	81	235	557	12.75	0.32	4.82
B681618		5.52	<0.5	7.38	<5	60	<0.5	<2	6.38	<0.5	72	69	299	11.90	0.31	4.57
B681619		5.31	<0.5	7.31	<5	50	<0.5	2	7.25	<0.5	72	86	419	11.85	0.32	4.22
B681620		5.48	<0.5	8.08	<5	60	<0.5	<2	7.40	<0.5	73	53	417	11.35	0.32	4.11
B681621		5.24	<0.5	8.21	<5	50	<0.5	<2	6.42	<0.5	76	142	389	10.85	0.27	3.57
B681622		5.11	<0.5	7.18	<5	50	<0.5	<2	7.05	<0.5	67	73	281	11.50	0.29	4.36
B681623		4.96	<0.5	6.81	<5	50	<0.5	<2	7.01	<0.5	82	87	449	12.35	0.27	4.61
B681624		4.52	<0.5	7.28	<5	50	<0.5	<2	7.65	<0.5	80	61	424	12.50	0.30	4.51
B681625		4.06	<0.5	7.99	<5	60	<0.5	<2	7.17	<0.5	66	83	343	11.40	0.34	3.93
B681626		3.07	<0.5	7.65	<5	50	<0.5	<2	7.39	<0.5	74	61	467	11.85	0.29	4.13
B681627		5.41	<0.5	7.65	<5	70	<0.5	<2	7.00	<0.5	80	86	505	12.00	0.35	4.03
B681628		4.48	<0.5	7.99	7	130	<0.5	2	6.52	<0.5	87	62	608	11.80	0.55	3.51
B681629		4.04	<0.5	7.10	<5	50	<0.5	3	7.33	<0.5	73	104	404	12.40	0.29	4.35
B681630		3.62	<0.5	8.53	<5	80	<0.5	<2	7.05	<0.5	85	47	741	10.70	0.36	3.28
B681631		3.77	<0.5	9.23	<5	120	0.8	<2	5.99	<0.5	74	68	685	9.70	0.53	2.97
B681632		1.98	<0.5	8.06	<5	180	<0.5	<2	6.41	<0.5	58	150	399	11.30	0.88	4.25
B681633		2.35	<0.5	9.85	<5	130	0.5	<2	5.88	<0.5	80	106	454	8.84	0.51	2.31
B681634		1.62	<0.5	9.88	9	120	<0.5	<2	6.18	<0.5	72	63	433	7.74	0.49	1.92
B681635		3.28	<0.5	11.00	5	90	<0.5	<2	6.68	<0.5	74	90	493	7.53	0.39	2.13
B681636		0.96	<0.5	9.79	13	80	<0.5	<2	5.93	<0.5	65	91	542	9.46	0.38	2.82
B681637		2.88	<0.5	9.25	22	60	<0.5	<2	6.12	<0.5	153	59	902	9.43	0.29	2.04
B681638		2.87	<0.5	8.70	14	50	<0.5	<2	6.71	<0.5	125	43	753	10.65	0.27	2.95
B681639		2.66	<0.5	8.58	7	80	<0.5	<2	5.96	<0.5	113	122	738	10.85	0.35	3.86
B681640		3.71	<0.5	8.16	<5	100	<0.5	<2	5.81	<0.5	108	88	745	10.30	0.44	3.74
B681641		6.06	<0.5	6.48	<5	50	<0.5	<2	7.44	<0.5	98	80	449	13.05	0.30	4.56
B681642		4.53	<0.5	8.10	<5	60	<0.5	<2	6.92	<0.5	69	44	294	10.90	0.31	3.98
B681643		2.72	<0.5	8.87	<5	60	<0.5	<2	6.38	<0.5	57	82	290	9.26	0.33	3.14
B681644		3.19	<0.5	6.20	<5	60	<0.5	<2	6.66	<0.5	59	76	234	11.65	0.35	4.27
B681645		2.56	<0.5	6.83	<5	60	<0.5	<2	7.45	<0.5	55	97	543	12.10	0.36	4.45



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Account: METCOR

Project: NORTH ROCK

CERTIFICATE OF ANALYSIS TB06090668

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
B681606		546	<1	2.31	2840	5220	2	5.24	<5	207	0.45	211	<10	29	0.006	0.107
B681607		698	<1	3.22	1820	1630	2	3.37	<5	232	1.11	183	<10	23	0.003	0.154
B681608		386	<1	3.49	1050	660	<2	2.00	<5	276	0.52	58	<10	19	0.003	0.0127
B681609		535	15	3.31	684	530	3	1.24	<5	253	0.74	102	<10	29	0.004	0.0245
B681610		859	<1	2.70	644	1100	5	0.84	7	185	0.12	169	<10	55	0.002	0.0211
B681611		771	1	3.02	1110	2230	5	1.56	<5	190	0.10	298	<10	46	0.002	0.0257
B681612		1160	<1	2.32	499	990	4	0.72	<5	132	0.08	197	<10	62	0.002	0.0305
B681613		1170	2	2.37	248	380	2	0.23	6	137	0.10	250	<10	62	0.001	0.0287
B681614		1160	1	2.34	257	290	5	0.26	5	144	0.18	192	<10	56	0.004	0.0485
B681615		1490	<1	2.14	365	600	6	0.84	<5	122	1.00	331	<10	81	0.008	0.0289
B681616		1540	<1	1.96	385	820	3	1.02	<5	109	1.35	349	<10	72	0.002	0.0199
B681617		1800	<1	1.46	379	780	<2	0.93	<5	77	1.30	253	10	83	0.006	0.0993
B681618		1665	<1	1.85	380	260	3	0.55	6	94	1.08	268	<10	84	0.003	0.0348
B681619		1465	<1	1.85	423	680	5	0.67	<5	102	0.81	415	<10	93	0.010	0.0609
B681620		1430	1	2.04	440	680	7	0.74	<5	123	0.71	285	10	96	0.020	0.0624
B681621		1600	<1	2.11	461	710	7	0.89	<5	121	1.49	199	<10	71	0.003	0.0472
B681622		1545	<1	1.67	415	680	5	0.52	<5	101	0.87	327	<10	83	0.004	0.0719
B681623		1630	<1	1.61	571	870	5	0.82	<5	90	0.81	328	10	91	0.005	0.0795
B681624		1550	<1	1.58	511	1080	<2	0.72	<5	98	0.87	434	<10	85	0.008	0.0987
B681625		1435	<1	2.00	387	570	4	0.47	<5	120	0.82	338	10	81	0.010	0.0611
B681626		1530	<1	1.78	451	1000	4	0.54	<5	106	0.78	390	<10	84	0.019	0.0884
B681627		1535	1	1.72	496	740	2	0.63	<5	97	0.82	334	<10	84	0.016	0.0820
B681628		1295	2	2.00	579	3600	6	0.80	<5	114	0.73	302	<10	71	0.007	0.0669
B681629		1635	<1	1.67	419	920	7	0.39	<5	94	0.84	491	<10	86	0.008	0.0887
B681630		1270	1	2.05	582	1200	8	0.79	<5	140	0.68	323	<10	74	0.040	0.120
B681631		1045	1	2.71	497	1180	5	0.77	<5	150	0.61	205	<10	67	0.029	0.113
B681632		1260	<1	1.92	288	400	2	0.29	<5	97	0.60	369	<10	90	0.007	0.103
B681633		856	1	2.92	570	740	5	0.77	<5	148	0.56	241	<10	58	0.030	0.0979
B681634		718	<1	2.85	469	2450	6	0.60	<5	170	0.20	306	<10	51	0.004	0.0241
B681635		721	<1	3.06	619	1210	9	0.77	11	197	0.09	174	<10	50	0.001	0.0206
B681636		907	<1	2.76	502	970	5	0.64	<5	151	0.10	111	<10	62	0.002	0.0245
B681637		727	9	2.86	1450	3980	<2	1.79	<5	164	0.11	305	<10	47	0.004	0.0322
B681638		928	<1	2.51	1070	3390	11	1.28	<5	142	0.12	385	<10	61	0.002	0.0205
B681639		1090	2	2.74	906	1590	6	1.17	<5	136	0.16	321	<10	71	0.002	0.0229
B681640		1020	<1	2.49	832	2310	8	1.25	<5	125	0.17	368	<10	66	0.002	0.0170
B681641		1650	1	1.53	702	1320	2	0.85	<5	85	0.91	623	<10	67	0.002	0.124
B681642		1480	2	1.77	458	810	3	0.54	<5	105	0.69	271	<10	52	0.002	0.116
B681643		1260	3	1.86	324	570	4	0.40	<5	121	0.77	185	<10	43	0.001	0.0668
B681644		1550	1	1.34	296	1290	2	0.20	<5	73	1.00	480	<10	65	0.004	0.0930
B681645		1580	1	1.50	279	1500	4	0.25	<5	86	1.05	496	<10	74	0.008	0.0608



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CERTIFICATE OF ANALYSIS TB06090668

Sample Description	Method Analyte Units LOR	PGM-MS24
		Pd ppm 0.001
B681606		0.235
B681607		0.327
B681608		0.091
B681609		0.058
B681610		0.037
B681611		0.081
B681612		0.027
B681613		0.010
B681614		0.050
B681615		0.070
B681616		0.046
B681617		0.058
B681618		0.048
B681619		0.112
B681620		0.150
B681621		0.069
B681622		0.133
B681623		0.120
B681624		0.119
B681625		0.152
B681626		0.126
B681627		0.171
B681628		0.130
B681629		0.135
B681630		0.233
B681631		0.200
B681632		0.136
B681633		0.200
B681634		0.127
B681635		0.012
B681636		0.018
B681637		0.089
B681638		0.053
B681639		0.035
B681640		0.046
B681641		0.174
B681642		0.118
B681643		0.082
B681644		0.072
B681645		0.108



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CERTIFICATE OF ANALYSIS TB06090668

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	0.01	0.01	0.01	
B681646		2.33	<0.5	8.27	<5	80	<0.5	<2	6.85	<0.5	69	59	410	9.83	0.39	3.39
B681647		2.84	<0.5	10.35	<5	140	<0.5	<2	7.08	<0.5	48	96	242	7.62	0.48	2.56
B681648		2.43	<0.5	9.57	<5	140	<0.5	<2	5.61	<0.5	99	61	604	9.35	0.61	2.66
B681649		2.19	<0.5	10.85	7	150	<0.5	<2	6.18	<0.5	110	83	556	7.58	0.54	1.77
B681650		3.21	<0.5	10.30	7	110	<0.5	<2	6.45	<0.5	68	55	542	6.84	0.42	1.79
B681651		2.05	<0.5	9.79	17	100	<0.5	<2	5.72	<0.5	96	90	962	8.07	0.36	2.24
B681652		2.69	<0.5	9.20	<5	60	0.5	<2	6.00	<0.5	64	73	338	7.88	0.24	2.81
B681653		3.11	<0.5	8.05	5	100	<0.5	<2	6.24	<0.5	99	193	658	15.90	0.58	2.80
B681654		2.97	<0.5	7.18	5	60	<0.5	<2	7.13	<0.5	60	100	410	13.95	0.36	2.65
B681655		2.46	<0.5	8.65	<5	60	<0.5	<2	5.83	<0.5	47	117	199	8.31	0.28	3.00
B681656		2.17	<0.5	8.89	<5	70	<0.5	<2	5.34	<0.5	52	91	309	8.20	0.32	2.81
B681657		2.38	<0.5	8.42	<5	60	<0.5	<2	5.51	<0.5	39	150	88	9.20	0.31	3.48
B681658		3.16	<0.5	9.22	41	60	<0.5	<2	5.81	<0.5	109	63	651	9.65	0.32	2.96
B681659		2.76	<0.5	8.72	12	50	<0.5	<2	6.13	<0.5	69	125	285	9.24	0.28	3.31
B681660		1.56	<0.5	8.59	<5	50	<0.5	<2	6.30	<0.5	126	85	769	10.90	0.28	3.55
B681661		3.27	<0.5	8.53	<5	40	<0.5	<2	6.32	<0.5	99	146	523	10.15	0.27	3.34
B681662		3.67	<0.5	9.06	<5	40	<0.5	<2	6.41	<0.5	101	138	777	10.00	0.26	3.30
B681663		3.46	<0.5	9.57	<5	40	<0.5	<2	5.82	<0.5	65	103	568	8.85	0.20	2.80
B681664		4.25	0.8	9.03	<5	40	<0.5	<2	5.38	<0.5	44	93	150	8.69	0.18	2.91
B681665		4.80	<0.5	8.22	<5	40	<0.5	<2	5.60	<0.5	45	129	190	9.32	0.21	3.78
B681666		3.09	<0.5	7.58	6	40	<0.5	<2	6.02	<0.5	51	86	1405	9.85	0.17	4.26
B681667		3.60	1.1	7.75	30	30	<0.5	<2	6.68	<0.5	66	108	7870	10.35	0.14	3.98
B681668		5.09	<0.5	7.94	12	40	<0.5	<2	6.77	<0.5	51	78	103	10.45	0.17	2.73
B681669		3.52	<0.5	7.32	<5	30	<0.5	<2	6.40	<0.5	49	113	35	10.70	0.16	2.81
B681670		5.01	<0.5	7.43	<5	40	<0.5	<2	6.64	<0.5	47	66	252	10.80	0.17	2.80
B681671		4.49	<0.5	7.51	<5	50	<0.5	<2	6.37	<0.5	51	118	70	11.00	0.20	2.71
B681672		4.53	<0.5	7.95	<5	70	<0.5	<2	6.74	<0.5	49	207	134	9.85	0.22	3.57
B681673		4.27	<0.5	7.91	<5	50	<0.5	<2	6.87	<0.5	53	116	27	10.90	0.23	3.11
B681674		2.37	<0.5	7.64	<5	50	<0.5	2	6.75	<0.5	50	75	164	11.15	0.20	3.04
B681675		3.99	<0.5	7.83	18	40	<0.5	<2	6.44	<0.5	44	118	71	10.85	0.18	2.96
B681676		2.18	<0.5	7.72	<5	30	<0.5	<2	6.82	<0.5	48	100	37	10.30	0.15	3.16
B681677		3.72	<0.5	7.74	<5	30	<0.5	<2	6.79	<0.5	46	93	52	9.86	0.13	3.55
B681678		4.34	<0.5	7.30	<5	90	<0.5	<2	5.52	<0.5	57	138	179	13.45	0.32	3.48
B681679		4.28	<0.5	8.02	<5	50	<0.5	<2	5.93	<0.5	53	76	38	12.10	0.22	2.97
B681680		3.03	<0.5	7.85	12	40	<0.5	<2	6.42	<0.5	47	117	67	10.70	0.18	2.89
B681681		3.58	<0.5	7.64	8	40	<0.5	<2	6.45	<0.5	57	69	353	10.75	0.19	2.83
B681682		4.99	<0.5	7.62	5	40	<0.5	<2	6.82	<0.5	46	93	24	10.50	0.19	3.09
B681683		3.98	<0.5	7.55	14	70	0.5	2	6.42	<0.5	48	65	414	11.15	0.27	2.99
B681684		3.23	<0.5	7.45	<5	50	0.5	<2	6.55	<0.5	46	103	13	10.90	0.23	2.84
B681685		3.11	<0.5	7.55	<5	110	0.5	<2	6.61	<0.5	45	64	21	10.70	0.37	3.07



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Project: NORTH ROCK

CERTIFICATE OF ANALYSIS TB06090668

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24	
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		5	1	0.01	1	10		2	0.01		5	1	0.01			
B681646		1160	2	1.91	430	1070	4	0.46	<5	118	0.67	458	<10	69	0.006	0.0904
B681647		981	4	2.58	267	940	4	0.28	<5	180	0.58	189	<10	65	0.002	0.101
B681648		1140	5	3.01	785	1080	10	1.08	<5	161	0.98	310	<10	63	0.002	0.211
B681649		654	2	3.48	794	2090	9	0.93	<5	217	0.13	170	<10	48	0.002	0.0252
B681650		671	4	2.89	386	760	5	0.54	<5	200	0.07	92	<10	49	0.003	0.0332
B681651		785	1	3.20	661	2190	4	0.96	<5	186	0.14	209	<10	47	0.007	0.0294
B681652		941	2	2.77	424	980	3	0.58	<5	168	0.10	205	<10	54	0.002	0.0679
B681653		1970	6	1.43	464	270	5	1.16	<5	45	0.10	194	<10	76	0.003	0.0472
B681654		2110	3	1.24	161	2180	4	0.37	<5	67	0.17	219	<10	78	0.006	0.147
B681655		1100	4	2.50	220	640	6	0.24	<5	162	0.12	293	<10	48	0.001	0.0823
B681656		1080	1	2.56	248	440	8	0.32	<5	167	0.24	179	<10	38	0.002	0.0691
B681657		1340	1	2.26	151	270	2	0.14	<5	154	0.26	200	<10	40	0.001	0.0874
B681658		913	<1	2.88	883	2280	6	1.12	<5	145	0.14	385	<10	57	0.002	0.0318
B681659		936	3	2.62	513	1210	5	0.50	<5	119	0.10	265	<10	63	0.001	0.0213
B681660		1090	2	2.62	1020	1620	6	1.37	<5	123	0.12	553	<10	75	0.002	0.0375
B681661		1100	3	2.33	659	2080	6	1.03	<5	123	0.29	337	<10	90	0.006	0.0211
B681662		1150	2	2.49	658	1180	7	1.12	9	136	0.59	309	<10	82	0.005	0.0251
B681663		959	2	2.99	371	610	12	0.57	<5	160	0.11	256	<10	65	0.004	0.0203
B681664		1145	<1	3.02	134	320	7	0.17	<5	189	0.84	323	<10	41	0.002	0.227
B681665		1150	1	2.49	124	220	12	0.08	5	143	0.68	323	10	42	0.004	0.0955
B681666		1215	1	2.24	333	140	2	0.23	<5	125	0.75	348	<10	44	0.040	0.320
B681667		1185	<1	2.28	908	310	5	1.00	10	145	0.82	380	10	45	0.118	0.344
B681668		1325	<1	2.73	85	150	7	0.04	<5	166	0.87	417	<10	46	0.004	0.0130
B681669		1315	1	2.41	47	170	5	0.01	<5	144	0.87	400	<10	46	0.001	0.0035
B681670		1315	1	2.40	103	190	4	0.04	<5	170	0.86	397	<10	47	0.008	0.0267
B681671		1275	<1	2.65	65	180	10	0.03	<5	166	0.84	409	<10	48	0.002	0.0106
B681672		1180	<1	2.51	113	390	6	0.07	8	223	0.84	382	<10	48	0.004	0.0141
B681673		1190	<1	2.24	57	190	5	0.01	8	153	0.93	434	<10	40	0.001	0.0060
B681674		1270	<1	2.14	103	170	5	0.08	<5	145	0.90	436	10	49	0.021	0.0105
B681675		1310	<1	2.45	64	200	7	0.01	7	159	0.91	406	<10	48	0.001	0.0039
B681676		1450	<1	2.32	43	250	<2	0.01	<5	158	0.96	412	<10	57	0.001	0.0032
B681677		1460	<1	2.34	54	210	<2	0.01	5	163	0.96	396	<10	56	0.001	0.0036
B681678		1590	3	1.74	104	60	4	0.08	<5	96	0.71	390	<10	65	0.002	0.341
B681679		1470	4	2.41	98	80	<2	0.02	5	131	0.91	360	<10	54	0.001	0.0568
B681680		1310	1	2.51	93	140	3	0.03	<5	167	0.90	432	<10	43	0.002	0.0208
B681681		1310	<1	2.39	188	250	<2	0.14	<5	162	0.98	434	10	45	0.010	0.0342
B681682		1420	<1	2.38	30	400	4	<0.01	<5	179	1.05	398	<10	47	0.001	0.0029
B681683		1490	<1	2.43	58	550	6	0.06	<5	182	1.07	403	10	55	0.012	0.0330
B681684		1360	1	2.13	33	570	2	<0.01	<5	158	1.06	387	<10	52	0.001	0.0031
B681685		1430	<1	2.05	35	540	2	0.01	<5	193	1.06	384	<10	60	0.001	0.0028



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CERTIFICATE OF ANALYSIS TB06090668

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
B681646		0.137
B681647		0.031
B681648		0.050
B681649		0.027
B681650		0.024
B681651		0.081
B681652		0.024
B681653		0.016
B681654		0.047
B681655		0.013
B681656		0.051
B681657		0.015
B681658		0.058
B681659		0.014
B681660		0.030
B681661		0.041
B681662		0.019
B681663		0.015
B681664		0.027
B681665		0.041
B681666		0.640
B681667		0.634
B681668		0.014
B681669		0.003
B681670		0.061
B681671		0.009
B681672		0.027
B681673		0.006
B681674		0.044
B681675		0.003
B681676		0.002
B681677		0.003
B681678		0.011
B681679		0.009
B681680		0.030
B681681		0.083
B681682		0.002
B681683		0.054
B681684		0.002
B681685		0.002



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CERTIFICATE OF ANALYSIS TB06090668

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	0.01	0.01	0.01	
B681686		2.18	<0.5	7.45	18	50	<0.5	<2	6.48	<0.5	47	96	32	11.00	0.23	2.96
B681687		2.38	<0.5	7.43	20	120	<0.5	<2	6.55	<0.5	40	67	174	9.93	0.35	2.93
B681688		1.85	<0.5	8.29	<5	310	0.9	2	5.04	<0.5	35	139	375	6.00	0.54	2.35
B681689		3.31	<0.5	8.05	11	100	<0.5	<2	6.54	<0.5	52	151	265	10.50	0.35	3.80
B681690		2.79	<0.5	7.24	7	90	0.6	2	6.57	<0.5	55	364	1080	10.25	0.29	5.45
B681691		2.25	<0.5	7.54	11	320	1.2	<2	6.34	<0.5	45	663	24	7.29	1.20	7.13
B681692		1.45	<0.5	8.72	6	90	0.8	<2	6.25	<0.5	66	115	950	7.83	0.27	3.14
B681693		4.24	<0.5	6.16	6	300	1.1	3	7.15	<0.5	55	843	48	6.90	1.24	8.85
B681694		4.49	<0.5	6.81	5	210	1.0	<2	7.44	<0.5	47	895	64	6.45	0.75	7.80
B681695		2.79	<0.5	7.44	14	60	0.5	2	6.32	<0.5	49	68	291	10.85	0.28	2.83
B681696		3.02	<0.5	7.48	<5	60	0.5	<2	6.36	<0.5	49	109	46	10.85	0.25	2.81
B681697		3.52	<0.5	7.40	12	50	0.5	<2	6.62	<0.5	48	60	75	10.65	0.22	2.91
B681698		3.52	<0.5	7.29	12	40	0.5	<2	6.67	<0.5	46	98	43	10.65	0.20	2.89
B681699		3.63	<0.5	7.56	5	60	<0.5	<2	6.33	<0.5	47	64	213	10.70	0.24	2.55
B681700		2.69	<0.5	7.16	9	60	<0.5	<2	6.52	<0.5	53	98	323	12.25	0.27	2.69
B681701		2.80	<0.5	8.60	11	110	0.5	<2	6.26	<0.5	54	149	845	10.05	0.29	3.59
B681702		2.51	<0.5	8.40	8	230	0.6	<2	6.34	<0.5	52	197	217	9.63	0.67	3.73
B681703		2.71	<0.5	7.02	<5	70	0.6	<2	6.97	<0.5	46	60	85	10.65	0.28	2.83
B681704		2.21	<0.5	7.44	<5	80	0.5	3	6.33	<0.5	41	162	315	10.15	0.27	3.60
B681705		2.09	<0.5	6.57	9	240	0.9	2	6.82	<0.5	42	725	34	7.88	0.89	7.47
B681706		3.85	2.2	7.90	6	100	0.5	4	5.81	<0.5	38	106	4390	9.75	0.27	2.95



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CERTIFICATE OF ANALYSIS TB06090668

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24
		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm	Au ppm	Pt ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.001	0.0005
B681686		1400	<1	2.26	39	530	3	<0.01	6	192	1.05	389	10	56	0.001	0.0021
B681687		1420	<1	2.14	44	490	7	0.04	<5	299	0.96	358	<10	59	0.003	0.0027
B681688		694	<1	3.24	55	970	2	0.31	<5	850	0.52	155	<10	40	0.004	0.0016
B681689		1540	<1	2.29	119	310	7	0.05	<5	265	0.83	355	<10	74	0.005	0.0048
B681690		1430	<1	1.82	334	630	4	0.10	7	310	0.68	285	10	90	0.022	0.0045
B681691		1130	<1	1.72	303	1530	3	0.01	<5	576	0.33	137	<10	82	0.001	0.0054
B681692		1060	1	3.07	118	540	9	0.51	6	804	1.09	417	<10	65	0.007	0.0048
B681693		1250	<1	0.94	418	1350	2	0.01	7	266	0.33	140	10	106	0.002	0.0108
B681694		1180	<1	1.43	311	1270	5	0.01	<5	512	0.42	167	<10	93	0.001	0.0098
B681695		1330	<1	2.38	40	420	2	0.06	<5	318	0.98	379	<10	62	0.002	0.0030
B681696		1320	<1	2.44	54	590	5	0.01	<5	222	0.99	379	<10	52	0.001	0.0024
B681697		1260	<1	2.35	37	630	6	0.01	5	175	1.04	378	10	50	0.001	0.0031
B681698		1230	<1	2.20	39	560	4	<0.01	<5	153	1.00	364	10	50	0.002	0.0031
B681699		1100	<1	2.35	65	390	4	0.04	<5	153	1.02	385	<10	37	0.003	0.0030
B681700		1280	<1	2.04	80	540	5	0.03	9	134	0.98	384	10	46	0.020	0.0171
B681701		1210	<1	2.45	306	420	7	1.19	<5	348	0.63	274	<10	66	0.086	0.0094
B681702		1270	<1	2.26	150	350	<2	0.06	<5	281	0.70	300	<10	74	0.005	0.0058
B681703		1415	<1	2.05	50	500	3	0.02	<5	166	1.03	391	10	69	0.002	0.0028
B681704		1365	<1	2.62	127	540	<2	0.14	<5	356	0.96	376	<10	57	0.006	0.0252
B681705		1255	<1	1.33	323	1300	11	0.01	<5	312	0.33	153	<10	93	0.002	0.0193
B681706		1125	1	3.19	289	320	8	0.58	5	719	0.99	389	<10	66	0.083	0.474



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Project: NORTH ROCK

CERTIFICATE OF ANALYSIS TB06090668

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
B681686		0.002
B681687		0.002
B681688		0.002
B681689		0.008
B681690		0.010
B681691		0.006
B681692		0.006
B681693		0.010
B681694		0.005
B681695		0.002
B681696		0.001
B681697		0.002
B681698		0.002
B681699		0.008
B681700		0.056
B681701		0.036
B681702		0.009
B681703		0.002
B681704		0.035
B681705		0.027
B681706		0.787



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Finalized Date: 16-OCT-2006
Account: METCOR

CERTIFICATE TB06093501

Project: NORTH ROCK

P.O. No.:

This report is for 223 Channel samples submitted to our lab in Thunder Bay, ON, Canada on 22-SEP-2006.

The following have access to data associated with this certificate:

MITCH DUMOULIN

AUBREY J. EVELEIGH

A.D. MACTAVISH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	27 element four acid ICP-AES	ICP-AES
PGM-MS24	Pt, Pd and Au 50g FA ICP-MS	ICP-MS

To: METAL CORP LTD
ATTN: AUBREY J. EVELEIGH
309 S COURT ST
THUNDER BAY ON P7B 2Y1

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Keith Rogers, Executive Manager Vancouver Laboratory



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Project: NORTH ROCK

CERTIFICATE OF ANALYSIS TB06093501

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg
Units		kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%
LOR		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01	0.01
C126101		3.68	<0.5	9.99	9	90	<0.5	<2	8.03	<0.5	25	9	61	4.41	0.28	1.46
C126102		3.20	<0.5	10.55	8	50	<0.5	<2	7.97	<0.5	48	34	12	7.02	0.21	3.57
C126103		2.87	<0.5	10.80	14	50	<0.5	<2	8.60	<0.5	21	8	59	4.53	0.17	0.87
C126104		2.79	<0.5	11.00	9	30	<0.5	<2	8.24	<0.5	45	42	135	6.53	0.12	2.75
C126105		4.15	<0.5	11.10	5	30	<0.5	<2	8.98	<0.5	30	43	53	5.10	0.09	2.19
C126106		4.05	<0.5	11.25	6	30	<0.5	<2	8.51	<0.5	31	104	37	5.82	0.11	2.48
C126107		4.68	<0.5	11.30	6	30	<0.5	<2	9.17	<0.5	27	38	71	4.85	0.10	2.00
C126108		4.73	<0.5	11.00	7	30	<0.5	<2	8.93	<0.5	33	30	57	5.54	0.08	1.98
C126109		3.85	<0.5	11.25	<5	30	<0.5	<2	8.21	<0.5	40	38	116	6.29	0.11	2.76
C126110		3.62	<0.5	10.80	8	30	<0.5	<2	8.54	<0.5	31	47	89	5.24	0.09	1.86
C126111		2.16	<0.5	10.30	12	30	<0.5	<2	8.42	<0.5	52	46	90	7.44	0.12	3.71
C126112		2.47	<0.5	11.05	10	50	<0.5	<2	8.71	<0.5	45	41	36	6.76	0.23	2.92
C126113		3.97	<0.5	8.78	<5	30	<0.5	<2	7.82	<0.5	47	207	83	9.19	0.18	4.49
C126114		3.69	<0.5	8.52	<5	30	<0.5	<2	7.51	<0.5	46	228	80	9.07	0.16	4.35
C126115		5.48	<0.5	11.25	<5	170	<0.5	<2	8.23	<0.5	33	23	111	6.12	0.47	2.36
C126116		6.38	<0.5	11.45	8	160	<0.5	<2	9.57	<0.5	30	119	326	7.05	0.35	2.34
C126117		5.28	<0.5	9.55	<5	110	<0.5	<2	8.36	<0.5	35	60	49	6.76	0.41	2.47
C126118		3.46	<0.5	10.40	<5	50	<0.5	<2	8.50	<0.5	35	82	31	6.75	0.22	2.76
C126119		3.66	<0.5	10.70	7	40	<0.5	<2	8.54	<0.5	28	11	19	4.93	0.15	2.11
C126120		3.49	<0.5	10.65	<5	40	<0.5	<2	8.65	<0.5	35	33	63	5.77	0.13	2.12
C126121		5.80	<0.5	8.93	<5	20	<0.5	<2	7.87	<0.5	46	214	87	9.28	0.15	4.52
C126122		5.06	<0.5	8.99	<5	30	<0.5	<2	7.58	<0.5	46	222	91	9.31	0.17	4.62
C126123		6.87	<0.5	9.07	<5	30	<0.5	<2	7.77	<0.5	49	210	89	9.31	0.18	4.61
C126124		4.56	<0.5	8.90	<5	30	<0.5	<2	7.52	<0.5	45	221	102	9.12	0.17	4.56
C126125		5.24	<0.5	9.76	<5	30	<0.5	<2	7.96	<0.5	41	129	76	7.78	0.17	3.77
C126126		1.47	<0.5	11.35	<5	50	<0.5	<2	6.68	<0.5	14	29	79	3.76	0.13	0.77
C126127		2.77	<0.5	10.25	12	30	<0.5	<2	8.73	<0.5	33	127	28	7.05	0.13	3.28
C126128		1.89	<0.5	11.05	5	50	<0.5	<2	7.53	<0.5	24	54	26	5.36	0.18	1.77
C126129		3.39	<0.5	9.79	<5	280	<0.5	<2	6.36	<0.5	18	4	53	4.11	0.79	1.09
C126130		3.67	<0.5	8.91	<5	120	<0.5	<2	7.80	<0.5	18	42	94	3.88	0.33	0.91
C126131		3.72	<0.5	9.82	<5	70	<0.5	<2	7.52	<0.5	17	4	84	3.58	0.28	0.70
C126132		3.50	<0.5	11.55	5	50	<0.5	<2	8.12	<0.5	17	35	82	4.40	0.17	0.88
C126133		3.43	<0.5	11.35	<5	40	<0.5	<2	7.57	<0.5	39	4	79	6.26	0.16	2.38
C126134		4.19	<0.5	11.00	<5	40	<0.5	<2	7.75	<0.5	39	33	22	6.58	0.16	2.81
C126135		4.91	<0.5	10.20	<5	40	<0.5	<2	7.33	<0.5	43	4	12	6.31	0.15	3.56
C126136		5.68	<0.5	10.25	8	30	<0.5	<2	7.39	<0.5	51	24	37	6.90	0.09	3.59
C126137		5.33	<0.5	10.55	5	30	<0.5	<2	7.55	<0.5	45	8	18	6.94	0.09	3.94
C126138		5.87	<0.5	11.30	<5	30	<0.5	<2	7.61	<0.5	37	21	92	6.39	0.14	3.08
C126139		7.64	<0.5	10.55	<5	30	<0.5	<2	7.93	<0.5	61	26	80	7.39	0.11	4.87
C126140		3.93	<0.5	10.20	6	30	<0.5	<2	7.46	<0.5	55	28	30	7.21	0.13	4.22



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Project: NORTH ROCK

CERTIFICATE OF ANALYSIS TB06093501

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24	
		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm	Au ppm	Pt ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.001	0.0005
C126101		577	<1	2.03	42	20	7	0.03	<5	148	0.18	99	<10	42	0.044	0.0022
C126102		942	<1	1.25	152	30	<2	0.01	<5	113	0.11	60	<10	62	<0.001	0.0030
C126103		578	<1	2.35	30	30	6	0.04	<5	196	0.41	176	<10	24	0.001	0.0024
C126104		837	<1	1.37	128	110	5	0.04	<5	129	0.22	113	<10	47	0.008	0.0026
C126105		680	<1	1.73	53	50	3	0.02	<5	140	0.14	105	<10	36	0.004	0.0032
C126106		858	<1	1.47	55	40	5	0.01	<5	137	0.33	128	<10	40	0.001	0.0018
C126107		721	<1	1.59	45	40	3	0.01	<5	154	0.21	134	<10	32	0.002	0.0024
C126108		758	<1	1.69	55	20	<2	0.04	<5	161	0.20	132	<10	34	0.001	0.0015
C126109		942	1	1.44	103	70	3	0.03	<5	141	0.44	213	<10	41	0.003	0.0044
C126110		776	<1	1.75	55	170	<2	0.04	<5	153	0.32	173	<10	32	0.001	0.0039
C126111		1115	<1	1.25	140	80	4	0.08	<5	112	0.14	98	<10	47	0.001	0.0282
C126112		1040	<1	1.42	117	40	6	0.03	<5	142	0.19	115	<10	46	0.004	0.0535
C126113		1560	<1	1.34	133	390	5	0.07	<5	104	0.60	239	<10	73	0.001	0.0022
C126114		1560	<1	1.33	120	380	6	0.09	<5	122	0.60	240	<10	73	0.001	0.0022
C126115		849	<1	1.36	90	40	5	0.05	<5	167	0.21	112	<10	59	0.003	0.0027
C126116		850	<1	0.73	58	70	5	0.04	<5	185	0.18	147	<10	60	0.006	0.0025
C126117		1005	<1	1.12	59	70	5	0.02	<5	134	0.20	157	<10	53	0.001	0.0020
C126118		1025	<1	1.44	80	10	7	0.02	<5	136	0.16	137	<10	51	0.001	0.0024
C126119		747	<1	1.61	69	20	8	0.02	<5	156	0.19	82	<10	36	0.001	0.0020
C126120		827	<1	1.60	84	70	8	0.04	<5	160	0.23	139	<10	39	0.001	0.0027
C126121		1595	<1	1.36	130	390	3	0.08	<5	113	0.61	241	<10	70	0.001	0.0022
C126122		1620	<1	1.47	134	390	4	0.08	<5	126	0.59	238	<10	78	0.001	0.0020
C126123		1590	1	1.42	141	400	7	0.08	<5	131	0.59	234	<10	73	0.001	0.0024
C126124		1545	<1	1.35	143	400	9	0.10	<5	121	0.58	233	<10	81	0.001	0.0023
C126125		1295	<1	1.28	115	240	5	0.07	<5	125	0.48	228	<10	68	0.001	0.0049
C126126		620	<1	3.14	25	40	7	0.04	<5	258	0.26	112	<10	28	0.001	0.0063
C126127		1155	<1	1.50	70	40	2	0.01	<5	137	0.20	174	<10	71	<0.001	0.0359
C126128		855	<1	2.18	38	20	2	<0.01	<5	184	0.19	131	<10	49	<0.001	0.0007
C126129		611	<1	1.98	24	20	5	0.03	<5	134	0.24	116	<10	40	0.001	0.0006
C126130		736	<1	1.71	41	120	<2	0.03	<5	146	0.34	157	<10	38	0.002	0.0967
C126131		607	<1	2.20	29	150	2	0.02	<5	186	0.28	122	<10	34	0.001	0.0013
C126132		719	<1	2.46	28	160	2	0.03	<5	214	0.28	113	<10	37	0.001	0.0013
C126133		967	<1	1.90	99	70	<2	0.02	<5	147	0.20	95	<10	62	0.001	0.0014
C126134		847	<1	1.33	100	40	<2	0.03	<5	126	0.30	87	<10	48	<0.001	0.0007
C126135		829	<1	1.26	146	30	<2	0.01	<5	113	0.10	54	<10	53	<0.001	0.0014
C126136		909	<1	1.32	172	70	<2	0.02	<5	122	0.10	53	<10	61	0.001	0.0025
C126137		979	<1	1.34	169	30	<2	0.01	<5	117	0.10	55	<10	63	0.001	0.0085
C126138		838	<1	1.51	97	80	<2	0.03	<5	128	0.20	104	<10	46	0.002	0.0062
C126139		1000	<1	1.24	195	60	<2	0.06	<5	117	0.15	78	<10	55	0.001	0.0065
C126140		978	<1	1.39	180	70	<2	0.03	<5	120	0.11	60	<10	55	<0.001	0.0023



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CERTIFICATE OF ANALYSIS TB06093501

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
C126101		<0.001
C126102		<0.001
C126103		<0.001
C126104		0.001
C126105		<0.001
C126106		0.001
C126107		0.001
C126108		<0.001
C126109		0.001
C126110		0.001
C126111		0.013
C126112		0.039
C126113		0.001
C126114		0.001
C126115		<0.001
C126116		<0.001
C126117		<0.001
C126118		<0.001
C126119		<0.001
C126120		0.001
C126121		0.001
C126122		0.001
C126123		0.001
C126124		0.001
C126125		0.003
C126126		0.003
C126127		0.007
C126128		0.001
C126129		0.001
C126130		0.190
C126131		0.007
C126132		0.003
C126133		0.002
C126134		0.001
C126135		0.001
C126136		0.003
C126137		0.007
C126138		0.006
C126139		0.008
C126140		0.003



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CERTIFICATE OF ANALYSIS TB06093501

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	0.01	0.01	0.01	
C126141		3.41	<0.5	11.55	<5	50	<0.5	<2	7.95	<0.5	35	33	4.86	0.18	2.72	
C126142		4.07	0.6	10.40	<5	60	<0.5	<2	7.07	<0.5	41	168	7.35	0.25	3.61	
C126143		4.83	<0.5	11.25	<5	70	<0.5	<2	7.40	<0.5	35	66	6.00	0.23	2.83	
C126144		4.06	<0.5	10.35	8	60	<0.5	<2	7.37	<0.5	53	318	29	9.02	0.32	5.11
C126145		2.89	<0.5	10.90	6	40	<0.5	<2	8.33	<0.5	55	12	66	6.79	0.10	3.85
C126146		4.25	<0.5	10.40	<5	40	<0.5	<2	7.38	<0.5	66	34	91	8.16	0.14	4.85
C126147		5.01	<0.5	9.93	<5	50	<0.5	<2	7.41	<0.5	68	16	43	8.96	0.21	4.70
C126148		5.91	<0.5	9.51	<5	50	<0.5	<2	6.68	<0.5	66	27	99	9.02	0.22	4.97
C126149		2.45	0.7	10.75	<5	60	<0.5	<2	7.65	<0.5	65	34	2100	7.91	0.27	3.33
C126150		3.63	1.1	11.30	<5	70	<0.5	<2	7.90	<0.5	73	109	3380	8.53	0.42	2.55
C126151		4.69	0.9	10.30	7	80	<0.5	<2	7.33	<0.5	66	98	2850	8.18	0.47	2.34
C126152		4.69	<0.5	9.49	<5	80	<0.5	<2	6.92	<0.5	45	190	352	7.17	0.35	3.95
C126153		5.64	<0.5	8.91	<5	40	<0.5	<2	7.21	<0.5	48	311	51	8.25	0.20	5.16
C126154		6.17	<0.5	7.35	<5	80	0.8	<2	5.89	<0.5	26	65	52	12.80	0.48	1.99
C126155		4.93	<0.5	7.12	<5	60	0.9	<2	5.64	<0.5	23	49	45	13.40	0.45	1.47
C126156		6.03	<0.5	9.41	6	70	0.6	<2	6.94	<0.5	33	73	26	10.45	0.43	2.83
C126157		3.22	<0.5	8.11	<5	60	0.5	<2	5.95	<0.5	58	42	122	10.75	0.29	4.65
C126158		6.99	<0.5	9.49	<5	80	<0.5	<2	7.56	<0.5	42	86	33	7.68	0.42	4.12
C126159		5.05	<0.5	8.95	<5	60	<0.5	<2	8.25	<0.5	55	113	26	9.53	0.36	5.20
C126160		1.27	<0.5	7.96	<5	70	0.6	<2	7.17	<0.5	50	376	12	9.83	0.35	5.76
C126161		5.21	<0.5	9.52	<5	50	0.8	<2	6.43	<0.5	25	79	67	7.16	0.26	1.85
C126162		2.69	<0.5	8.42	5	60	1.0	<2	5.90	<0.5	26	6	262	7.45	0.28	1.39
C126163		2.28	<0.5	8.54	<5	60	1.1	<2	6.03	<0.5	22	55	177	6.83	0.26	1.18
C126164		3.45	<0.5	7.01	<5	60	0.9	<2	5.80	<0.5	23	20	85	12.85	0.32	1.55
C126165		3.48	<0.5	7.53	<5	70	0.6	<2	6.08	<0.5	34	219	51	10.25	0.39	3.30
C126166		2.58	<0.5	8.54	<5	50	<0.5	<2	7.20	<0.5	45	336	46	8.45	0.26	5.22
C126167		3.01	<0.5	8.47	<5	50	<0.5	<2	6.45	<0.5	61	237	40	9.21	0.26	5.72
C126168		4.14	<0.5	8.57	<5	60	<0.5	<2	6.73	<0.5	76	34	86	9.59	0.35	5.56
C126169		3.27	<0.5	10.00	<5	80	<0.5	<2	7.37	<0.5	49	94	799	8.03	0.37	3.55
C126170		3.19	0.5	9.93	<5	150	<0.5	<2	7.25	<0.5	38	47	1380	6.16	0.67	2.24
C126171		2.47	<0.5	8.10	7	260	1.2	<2	3.68	<0.5	10	73	45	8.33	1.21	0.69
C126172		2.07	<0.5	7.65	10	260	1.3	<2	3.25	<0.5	11	14	48	6.33	1.03	0.70
C126173		2.78	<0.5	9.45	<5	80	<0.5	<2	8.01	<0.5	55	97	27	8.15	0.41	4.52
C126174		3.98	<0.5	7.09	<5	30	<0.5	<2	6.64	<0.5	89	61	71	10.95	0.18	7.30
C126175		4.13	<0.5	9.96	<5	60	<0.5	<2	8.31	<0.5	67	101	56	8.84	0.31	5.60
C126176		3.38	<0.5	9.12	<5	50	<0.5	<2	8.12	<0.5	47	127	60	7.31	0.22	4.38
C126177		3.71	<0.5	9.76	<5	40	<0.5	3	8.76	<0.5	27	130	20	5.77	0.16	2.41
C126178		6.40	<0.5	10.40	<5	50	<0.5	2	8.02	<0.5	22	78	38	4.81	0.19	1.93
C126179		2.96	<0.5	10.65	<5	60	<0.5	4	7.14	<0.5	25	124	54	5.32	0.28	2.20
B681707		3.69	<0.5	9.32	<5	100	0.7	<2	7.41	<0.5	33	124	34	5.39	0.34	4.24



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CERTIFICATE OF ANALYSIS TB06093501

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24
	Analyte	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
Units		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
LOR		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.001	0.0005
C126141		665	<1	1.76	113	90	<2	0.02	<5	162	0.14	63	<10	39	0.001	0.0042
C126142		1030	<1	1.83	126	300	<2	0.02	<5	130	0.39	161	<10	65	0.003	0.0088
C126143		889	<1	2.26	106	110	<2	0.03	<5	198	0.28	101	<10	54	0.003	0.0031
C126144		1345	<1	2.03	183	320	<2	<0.01	<5	144	0.40	196	<10	87	<0.001	0.0050
C126145		954	<1	1.59	186	70	3	0.07	<5	146	0.13	72	<10	56	<0.001	0.0021
C126146		1165	<1	1.37	240	80	<2	0.07	<5	123	0.11	59	<10	73	0.001	0.0057
C126147		1365	<1	1.44	202	90	<2	0.02	<5	123	0.22	141	<10	85	<0.001	0.0029
C126148		1325	<1	1.19	219	60	3	0.06	<5	96	0.14	89	<10	96	0.001	0.0019
C126149		1085	<1	1.88	184	350	<2	0.38	<5	174	0.18	205	<10	80	0.056	0.0006
C126150		1045	<1	1.79	200	880	2	0.63	<5	178	0.17	270	<10	93	0.099	<0.0005
C126151		919	<1	1.68	128	600	<2	0.53	<5	170	0.11	232	<10	87	0.059	<0.0005
C126152		1135	<1	1.88	138	180	<2	0.05	<5	171	0.31	204	<10	82	0.008	0.0033
C126153		1420	<1	1.97	187	350	<2	0.01	<5	151	0.40	203	<10	108	0.001	0.0058
C126154		2240	<1	1.05	30	2770	<2	0.13	<5	93	1.15	57	<10	115	<0.001	0.0010
C126155		2300	1	0.99	<1	3230	<2	0.10	<5	82	1.28	33	<10	103	<0.001	<0.0005
C126156		1780	<1	1.48	65	1630	<2	0.05	<5	124	0.81	109	<10	89	<0.001	0.0009
C126157		1735	<1	1.24	165	710	<2	0.10	<5	75	0.49	74	<10	77	0.002	0.0008
C126158		1370	<1	1.32	113	80	<2	0.01	<5	122	0.25	162	<10	62	0.001	0.0006
C126159		1740	<1	1.14	145	110	<2	0.02	<5	99	0.27	177	<10	76	0.001	0.0005
C126160		1800	<1	1.52	176	1010	<2	0.01	<5	177	0.46	161	<10	80	0.001	0.0034
C126161		1225	<1	2.16	33	1140	<2	0.07	<5	152	0.68	80	<10	40	0.001	0.0033
C126162		1155	1	2.06	8	1790	<2	0.20	<5	122	0.98	55	<10	37	0.003	<0.0005
C126163		1060	1	2.14	<1	1810	<2	0.17	<5	128	1.03	51	<10	32	0.002	<0.0005
C126164		2190	<1	0.97	3	3060	<2	0.23	<5	88	1.23	36	<10	106	<0.001	0.0007
C126165		1715	<1	1.29	96	1750	<2	0.10	<5	97	0.81	110	<10	107	<0.001	0.0031
C126166		1565	<1	1.77	191	370	<2	0.01	<5	136	0.42	200	<10	113	0.001	0.0059
C126167		1445	<1	1.41	227	240	<2	0.02	<5	101	0.29	158	<10	102	0.001	0.0041
C126168		1445	<1	1.03	252	130	<2	0.05	<5	81	0.20	111	<10	98	0.001	0.0005
C126169		1150	<1	1.67	140	140	<2	0.09	<5	160	0.28	152	<10	68	0.016	<0.0005
C126170		930	<1	1.96	76	230	2	0.16	<5	164	0.22	136	<10	52	0.038	0.0006
C126171		1845	<1	1.96	2	1280	<2	0.02	<5	52	0.57	12	<10	30	0.001	0.0053
C126172		1075	<1	2.17	11	770	<2	0.01	<5	71	0.39	10	<10	28	0.001	<0.0005
C126173		1460	<1	1.33	160	90	<2	0.01	<5	121	0.20	142	<10	77	0.001	<0.0005
C126174		1695	<1	0.65	256	130	<2	0.04	<5	51	0.21	143	<10	101	0.001	0.0043
C126175		1525	<1	1.21	208	110	<2	0.03	<5	114	0.19	137	<10	81	0.002	0.0007
C126176		1285	<1	1.32	130	200	<2	0.03	<5	162	0.28	187	<10	66	0.004	0.0021
C126177		1020	<1	1.33	61	110	<2	0.01	<5	200	0.22	140	<10	38	0.002	0.0032
C126178		858	<1	2.04	40	100	2	0.01	<5	185	0.24	138	<10	34	0.001	0.0095
C126179		923	<1	2.28	43	110	<2	0.01	<5	165	0.29	169	<10	41	0.002	0.0005
B681707		904	<1	1.96	77	840	3	<0.01	<5	270	0.28	132	<10	57	0.002	0.0031



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CERTIFICATE OF ANALYSIS TB06093501

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
C126141		0.004
C126142		0.008
C126143		0.003
C126144		0.008
C126145		0.002
C126146		0.003
C126147		0.001
C126148		0.001
C126149		0.001
C126150		0.002
C126151		0.001
C126152		0.006
C126153		0.011
C126154		0.002
C126155		<0.001
C126156		0.002
C126157		0.001
C126158		0.001
C126159		0.001
C126160		0.005
C126161		0.002
C126162		<0.001
C126163		<0.001
C126164		0.001
C126165		0.006
C126166		0.010
C126167		0.007
C126168		0.001
C126169		0.001
C126170		0.001
C126171		0.001
C126172		<0.001
C126173		<0.001
C126174		0.001
C126175		0.001
C126176		0.002
C126177		0.003
C126178		0.001
C126179		<0.001
B681707		0.002



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CERTIFICATE OF ANALYSIS TB06093501

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	0.01	0.01	0.01	
B681708		5.92	<0.5	10.00	<5	100	<0.5	2	7.23	<0.5	54	24	86	7.37	0.33	3.53
B681709		4.59	<0.5	11.15	<5	120	<0.5	3	7.59	<0.5	23	6	31	5.41	0.35	1.26
B681710		5.11	<0.5	10.00	<5	60	<0.5	<2	7.49	<0.5	28	46	37	5.24	0.19	1.91
B681711		3.65	<0.5	11.10	<5	50	<0.5	4	7.46	<0.5	45	13	27	7.11	0.18	3.14
B681712		3.46	<0.5	9.56	<5	50	<0.5	2	7.01	<0.5	56	34	38	7.33	0.12	4.16
B681713		2.87	<0.5	10.45	7	140	<0.5	<2	7.00	<0.5	35	21	29	6.26	0.38	2.96
B681714		3.87	<0.5	8.61	<5	340	1.2	<2	5.36	<0.5	35	256	52	5.59	0.94	4.42
B681715		3.93	<0.5	11.10	<5	160	<0.5	2	7.00	<0.5	32	49	130	5.56	0.50	1.50
B681716		4.61	<0.5	10.05	<5	100	<0.5	2	6.98	<0.5	23	11	28	4.93	0.26	1.37
B681717		4.35	<0.5	11.20	<5	120	<0.5	3	7.51	<0.5	22	46	24	5.14	0.34	1.57
B681718		2.09	<0.5	10.70	5	150	<0.5	<2	7.18	<0.5	23	11	89	5.31	0.47	1.30
B681719		3.82	<0.5	8.48	<5	210	1.1	<2	5.20	<0.5	33	202	49	5.50	0.65	4.09
B681720		2.25	<0.5	7.46	<5	280	1.1	<2	5.10	<0.5	34	379	37	5.28	0.97	5.34
B681721		3.64	<0.5	7.20	15	240	1.0	<2	5.36	<0.5	39	499	35	5.41	0.89	6.28
B681722		3.00	<0.5	7.32	<5	180	0.9	<2	4.79	<0.5	36	264	67	5.36	0.67	4.24
B681723		2.42	<0.5	10.00	<5	100	<0.5	2	7.31	<0.5	35	32	100	6.45	0.33	2.62
B681724		1.94	<0.5	11.50	<5	120	<0.5	3	7.70	<0.5	24	7	23	4.73	0.47	1.67
B681725		3.22	<0.5	7.02	<5	280	1.0	<2	5.19	<0.5	38	540	56	5.32	1.03	6.41
B681726		2.94	<0.5	6.61	6	290	0.9	<2	5.21	<0.5	39	575	44	5.30	1.06	7.04
B681727		2.63	<0.5	6.59	11	260	0.9	<2	4.81	<0.5	35	491	46	5.12	1.01	5.69
B681728		2.37	<0.5	5.39	<5	40	<0.5	3	5.76	<0.5	132	21	504	13.15	0.13	9.60
B681729		3.85	<0.5	10.70	<5	160	<0.5	4	6.57	<0.5	19	7	11	4.93	0.49	1.32
B681730		4.61	<0.5	11.50	<5	110	<0.5	2	7.57	<0.5	20	8	45	4.13	0.35	1.15
B681731		3.18	<0.5	11.30	<5	80	<0.5	<2	8.37	<0.5	18	8	82	4.48	0.21	0.94
B681732		2.93	<0.5	11.20	<5	90	<0.5	<2	8.00	<0.5	21	10	118	5.42	0.29	1.37
B681733		1.01	<0.5	9.52	<5	120	<0.5	<2	6.64	<0.5	39	187	62	7.74	0.42	3.65
B681734		3.28	<0.5	11.00	<5	100	<0.5	<2	7.89	<0.5	18	93	29	4.79	0.31	1.88
B681735		4.57	0.6	11.70	11	60	<0.5	<2	8.45	<0.5	21	17	165	4.58	0.23	1.57
B681736		3.33	<0.5	11.20	<5	70	<0.5	<2	8.60	<0.5	31	21	84	5.87	0.22	2.38
B681737		5.53	<0.5	10.35	9	60	<0.5	<2	7.91	<0.5	43	8	54	6.12	0.19	2.69
B681738		4.38	<0.5	11.70	<5	80	<0.5	<2	8.50	<0.5	28	11	35	5.68	0.25	2.06
B681739		4.62	<0.5	11.20	<5	60	<0.5	<2	8.18	<0.5	43	6	34	6.64	0.23	3.03
B681740		4.20	<0.5	11.15	<5	40	<0.5	<2	8.73	<0.5	40	9	36	6.15	0.13	3.05
B681741		4.29	<0.5	11.20	<5	40	<0.5	<2	8.83	<0.5	36	7	34	6.07	0.18	2.31
B681742		3.62	<0.5	12.35	<5	30	<0.5	<2	9.05	<0.5	29	6	90	5.71	0.17	2.00
B681743		3.69	<0.5	12.40	<5	60	<0.5	<2	7.98	<0.5	27	7	46	5.32	0.25	1.75
B681744		1.80	<0.5	11.30	8	50	<0.5	<2	8.91	<0.5	34	21	26	6.09	0.25	2.53
B681745		0.84	<0.5	10.70	<5	90	<0.5	<2	7.69	<0.5	32	10	10	5.64	0.28	2.33
B681746		3.22	<0.5	12.55	<5	60	<0.5	<2	8.63	<0.5	30	13	46	5.66	0.26	2.11
B681747		3.10	<0.5	11.20	<5	50	<0.5	<2	8.34	<0.5	29	44	122	5.25	0.19	2.21



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Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	0.001	0.0005	
B681708		871	<1	1.55	141	30	<2	0.03	<5	130	0.17	87	<10	59	0.002	0.0013
B681709		662	<1	2.48	32	20	<2	0.01	<5	201	0.58	271	10	36	0.001	0.0019
B681710		613	<1	1.78	42	100	<2	0.01	<5	147	0.18	96	<10	41	0.001	0.0016
B681711		832	<1	1.54	103	70	<2	0.01	<5	135	0.17	99	<10	59	0.001	0.0017
B681712		969	<1	1.20	162	50	<2	0.02	<5	118	0.09	54	<10	80	0.001	0.0019
B681713		875	<1	1.73	90	110	3	0.02	<5	219	0.21	119	<10	74	0.001	0.0017
B681714		873	<1	2.56	160	870	5	0.09	<5	422	0.30	128	<10	68	0.001	0.0024
B681715		696	<1	2.31	35	20	<2	0.03	<5	173	0.36	238	<10	40	0.003	0.0011
B681716		619	<1	2.38	30	20	6	0.01	<5	182	0.31	169	<10	33	0.001	0.0013
B681717		653	<1	2.27	33	20	<2	0.01	<5	219	0.29	143	<10	31	0.001	0.0013
B681718		715	<1	2.57	31	40	2	0.02	<5	258	0.60	209	<10	36	0.002	0.0013
B681719		891	<1	2.66	135	840	2	0.04	<5	358	0.30	128	<10	59	0.001	0.0031
B681720		932	<1	2.10	199	800	2	0.02	<5	317	0.28	120	<10	68	0.001	0.0036
B681721		956	<1	1.67	251	700	2	0.02	<5	288	0.26	118	<10	72	0.001	0.0043
B681722		837	<1	1.95	164	700	<2	0.04	<5	275	0.26	113	<10	62	0.001	0.0025
B681723		881	<1	1.33	79	40	<2	0.04	<5	216	0.46	315	<10	48	0.004	0.0019
B681724		604	<1	2.18	38	20	3	0.02	<5	214	0.19	96	<10	33	0.001	0.0015
B681725		949	<1	1.57	265	750	<2	0.03	<5	281	0.25	119	<10	74	0.001	0.0051
B681726		948	<1	1.34	287	720	<2	0.03	<5	258	0.23	115	<10	73	0.001	0.0067
B681727		895	<1	1.55	226	680	3	0.04	<5	279	0.24	111	<10	67	0.001	0.0029
B681728		1735	<1	0.18	373	50	<2	0.89	<5	16	0.11	95	<10	116	0.002	0.0078
B681729		696	<1	2.27	28	10	6	0.01	7	269	0.56	251	<10	37	0.001	0.0019
B681730		532	<1	2.31	29	20	2	0.03	<5	207	0.28	142	<10	32	0.001	0.0011
B681731		598	<1	2.34	24	20	6	0.03	<5	205	0.42	213	<10	35	0.001	0.0015
B681732		718	<1	1.81	34	20	<2	0.04	<5	172	0.56	377	<10	44	0.002	0.0018
B681733		1000	<1	1.29	104	290	9	0.02	10	95	0.46	209	10	122	0.001	0.0021
B681734		680	<1	2.03	60	70	<2	<0.01	8	173	0.35	197	<10	58	0.001	0.0029
B681735		680	<1	2.08	33	30	<2	0.05	<5	170	0.38	203	<10	46	0.004	0.0017
B681736		765	<1	1.41	60	110	7	0.03	<5	146	0.25	181	<10	50	0.002	0.0020
B681737		742	<1	1.28	112	90	6	0.03	<5	128	0.17	104	10	49	0.002	0.0017
B681738		668	<1	1.69	73	20	7	0.03	<5	154	0.20	104	<10	42	0.001	0.0013
B681739		817	<1	1.40	112	30	2	0.02	11	131	0.20	80	<10	53	0.001	0.0016
B681740		806	<1	1.36	106	50	6	0.01	7	124	0.15	82	<10	46	0.001	0.0019
B681741		740	<1	1.70	89	40	6	0.01	<5	142	0.21	118	<10	44	0.001	0.0024
B681742		684	<1	1.88	62	150	<2	0.02	<5	149	0.22	135	<10	39	0.002	0.0021
B681743		684	<1	2.56	51	20	5	0.01	<5	171	0.42	158	<10	37	0.002	0.0020
B681744		773	1	1.60	62	50	10	<0.01	5	132	0.18	154	<10	43	0.001	0.0023
B681745		743	<1	2.17	78	40	5	<0.01	<5	131	0.25	166	<10	36	<0.001	0.0026
B681746		731	<1	1.99	63	40	<2	0.01	<5	160	0.50	185	<10	30	0.001	0.0042
B681747		684	<1	1.79	51	40	6	0.02	<5	140	0.25	173	<10	31	0.002	0.0028



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Project: NORTH ROCK

CERTIFICATE OF ANALYSIS TB06093501

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
B681708 B681709 B681710 B681711 B681712		0.001 0.001 0.001 0.001 0.001
B681713 B681714 B681715 B681716 B681717		0.001 0.004 0.001 <0.001 <0.001
B681718 B681719 B681720 B681721 B681722		0.001 0.003 0.006 0.007 0.004
B681723 B681724 B681725 B681726 B681727		0.001 <0.001 0.008 0.010 0.005
B681728 B681729 B681730 B681731 B681732		0.002 0.001 <0.001 <0.001 <0.001
B681733 B681734 B681735 B681736 B681737		0.001 0.002 0.001 0.001 0.001
B681738 B681739 B681740 B681741 B681742		0.001 0.001 0.001 0.001 0.001
B681743 B681744 B681745 B681746 B681747		<0.001 0.001 0.001 0.001 0.001



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Project: NORTH ROCK

CERTIFICATE OF ANALYSIS TB06093501

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
B681748		3.94	<0.5	10.80	5	40	<0.5	<2	8.71	<0.5	37	17	47	5.73	0.14	2.78
B681749		7.32	<0.5	11.65	<5	60	<0.5	<2	8.90	<0.5	23	11	23	4.64	0.14	1.65
B681750		6.08	<0.5	10.90	<5	90	<0.5	<2	8.39	<0.5	23	6	47	4.33	0.31	1.51
B681751		3.61	<0.5	12.35	<5	60	<0.5	<2	9.07	<0.5	39	50	75	6.19	0.23	3.32
B681752		4.83	<0.5	11.30	<5	50	<0.5	<2	8.85	<0.5	33	12	68	5.35	0.17	2.36
B681753		4.57	<0.5	11.20	5	50	<0.5	<2	8.87	<0.5	35	9	36	5.45	0.21	2.72
B681754		2.38	<0.5	11.40	<5	60	<0.5	<2	8.19	<0.5	32	18	35	5.79	0.25	2.00
B681755		4.33	<0.5	11.90	<5	70	<0.5	<2	8.43	<0.5	34	7	53	5.32	0.30	2.21
B681756		7.05	<0.5	10.85	<5	60	<0.5	<2	8.20	<0.5	21	9	41	4.44	0.23	1.31
B681757		7.86	<0.5	10.35	<5	50	<0.5	<2	8.27	<0.5	39	17	31	5.95	0.19	2.47
B681758		5.19	<0.5	10.80	<5	40	<0.5	<2	8.25	<0.5	35	9	56	5.94	0.14	2.04
B681759		4.05	<0.5	10.90	<5	40	<0.5	<2	8.08	<0.5	40	33	34	6.41	0.16	2.33
B681760		4.06	0.7	9.49	6	30	<0.5	<2	6.96	<0.5	54	8	52	7.07	0.15	3.32
B681761		5.68	<0.5	10.85	<5	40	<0.5	<2	7.80	<0.5	31	79	59	5.33	0.17	2.11
B681762		4.70	<0.5	11.25	5	60	<0.5	<2	8.25	<0.5	39	18	65	5.91	0.22	2.32
B681763		0.93	<0.5	10.40	<5	60	<0.5	<2	8.37	<0.5	33	56	12	6.47	0.18	2.20
B681764		5.15	<0.5	11.35	<5	50	<0.5	<2	8.54	<0.5	30	27	52	5.28	0.18	2.06
B681765		6.42	<0.5	10.80	<5	30	<0.5	<2	8.41	<0.5	33	3	64	5.92	0.12	2.27
B681766		5.81	<0.5	12.00	<5	50	<0.5	<2	8.70	<0.5	31	67	36	6.15	0.20	2.04
B681767		2.39	<0.5	9.98	<5	100	<0.5	<2	7.49	<0.5	46	11	94	6.27	0.28	2.61
B681768		2.94	<0.5	10.10	5	40	<0.5	<2	7.73	<0.5	24	54	171	4.72	0.14	1.56
B681769		4.11	<0.5	10.10	<5	40	<0.5	<2	8.13	<0.5	25	22	131	4.20	0.11	1.40
B681770		2.52	<0.5	8.35	<5	30	<0.5	<2	7.50	<0.5	49	258	107	9.12	0.19	4.55
B681771		4.12	<0.5	8.26	<5	30	<0.5	<2	7.46	<0.5	50	225	91	9.37	0.22	4.52
B681772		3.27	<0.5	8.01	<5	40	<0.5	<2	6.91	<0.5	48	239	89	8.81	0.20	4.39
B681773		2.14	<0.5	8.15	<5	30	<0.5	<2	6.01	<0.5	48	246	104	8.48	0.18	4.53
B681774		4.65	<0.5	10.40	<5	110	<0.5	<2	7.74	<0.5	20	66	114	4.26	0.28	1.35
B681775		4.33	<0.5	9.40	<5	50	<0.5	<2	7.76	<0.5	37	16	89	5.86	0.16	2.28
B681776		3.60	<0.5	10.10	<5	40	<0.5	<2	8.31	<0.5	29	54	62	4.88	0.13	2.27
B681777		3.29	<0.5	10.95	9	50	<0.5	<2	8.52	<0.5	25	6	59	4.80	0.18	1.65
B681778		2.83	<0.5	10.20	<5	60	<0.5	<2	8.06	<0.5	22	61	52	4.50	0.20	1.60
B681779		2.85	<0.5	10.25	6	70	<0.5	<2	7.79	<0.5	25	9	75	4.57	0.27	1.33
B681780		3.67	<0.5	11.10	15	50	<0.5	<2	8.55	<0.5	33	49	82	5.96	0.21	2.02
B681781		3.67	<0.5	9.74	9	50	<0.5	<2	7.78	<0.5	45	6	25	6.87	0.26	3.32
B681782		3.66	<0.5	10.75	<5	50	<0.5	<2	7.78	<0.5	27	45	42	5.15	0.21	1.83
B681783		3.72	<0.5	10.25	10	60	<0.5	<2	7.34	<0.5	17	5	42	3.74	0.21	0.79
B681784		5.05	<0.5	10.60	7	60	<0.5	<2	7.45	<0.5	22	55	50	4.84	0.29	1.24
B681785		5.96	<0.5	10.45	14	40	<0.5	<2	7.90	<0.5	40	6	51	6.48	0.14	2.67
B681786		2.91	<0.5	10.20	8	60	<0.5	<2	8.50	<0.5	25	61	74	4.77	0.26	1.47
B681787		1.02	<0.5	10.30	<5	60	<0.5	<2	7.78	<0.5	23	43	17	5.44	0.21	1.87



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Project: NORTH ROCK

CERTIFICATE OF ANALYSIS TB06093501

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
B681748		786	<1	1.71	90	50	3	0.01	<5	146	0.14	91	<10	36	0.001	0.0020
B681749		608	<1	1.83	46	60	<2	0.01	<5	165	0.23	116	<10	50	0.001	0.0019
B681750		586	1	1.71	47	30	<2	0.03	5	148	0.24	132	<10	46	0.001	0.0020
B681751		868	<1	1.51	107	80	5	0.03	9	133	0.14	106	<10	67	0.001	0.0029
B681752		726	<1	1.45	71	50	2	0.01	7	139	0.24	138	10	49	0.002	0.0021
B681753		753	<1	1.45	75	40	5	<0.01	<5	135	0.17	102	10	47	0.001	0.0013
B681754		711	<1	1.86	62	50	6	0.02	<5	142	0.10	84	<10	43	0.001	0.0022
B681755		702	<1	1.76	81	30	13	0.02	<5	153	0.23	110	<10	60	0.001	0.0026
B681756		590	<1	2.18	29	30	4	0.01	<5	164	0.31	174	<10	30	0.001	0.0021
B681757		817	<1	1.82	95	40	4	<0.01	<5	138	0.21	108	<10	45	0.001	0.0017
B681758		696	1	1.59	79	40	<2	0.02	7	145	0.18	106	<10	39	0.001	0.0020
B681759		813	<1	1.60	105	90	4	0.02	5	130	0.26	144	<10	43	0.001	0.0030
B681760		873	<1	1.21	155	70	7	0.02	<5	89	0.08	44	<10	50	0.002	0.0029
B681761		684	1	1.63	48	40	<2	0.01	<5	132	0.18	123	<10	31	0.001	0.0025
B681762		750	<1	1.62	84	100	6	0.03	<5	132	0.17	100	<10	38	0.001	0.0033
B681763		857	<1	1.79	109	50	4	<0.01	<5	147	0.22	105	<10	33	<0.001	0.0033
B681764		695	<1	2.11	71	30	4	0.03	5	152	0.23	110	<10	29	0.001	0.0046
B681765		751	<1	1.71	86	30	6	0.06	<5	138	0.26	125	<10	31	0.001	0.0035
B681766		811	<1	1.79	78	70	4	0.02	<5	157	0.22	113	<10	31	0.001	0.0048
B681767		770	<1	1.39	117	90	<2	0.02	<5	146	0.13	78	<10	52	0.003	0.0037
B681768		687	<1	2.01	33	100	2	0.02	<5	156	0.14	91	<10	59	0.004	0.0121
B681769		657	<1	2.06	33	40	<2	0.04	<5	165	0.25	150	<10	61	0.002	0.0011
B681770		1510	<1	1.37	130	390	<2	0.10	<5	91	0.58	231	<10	81	0.001	0.0025
B681771		1620	<1	1.31	119	410	<2	0.09	<5	95	0.63	252	<10	92	0.001	0.0024
B681772		1570	<1	1.25	124	380	<2	0.07	<5	97	0.59	232	<10	88	0.001	0.0024
B681773		1460	<1	1.23	149	340	<2	0.06	8	98	0.55	209	<10	89	0.001	0.0026
B681774		520	<1	2.07	27	50	<2	0.02	<5	149	0.30	128	30	53	0.002	0.0016
B681775		745	1	1.17	91	60	<2	0.08	<5	114	0.12	81	<10	66	0.002	0.0026
B681776		682	1	1.46	81	50	<2	0.03	<5	129	0.19	99	<10	44	0.001	0.0018
B681777		670	1	1.81	51	30	2	0.03	<5	145	0.35	149	<10	34	0.002	0.0020
B681778		571	2	1.74	34	50	<2	0.02	<5	135	0.15	102	<10	32	0.001	0.0019
B681779		554	1	2.26	54	100	<2	0.03	<5	149	0.15	86	<10	32	0.001	0.0025
B681780		747	1	1.52	79	130	5	0.03	<5	137	0.34	212	10	44	0.002	0.0035
B681781		874	1	1.29	139	60	<2	0.01	<5	98	0.09	58	<10	54	0.001	0.0020
B681782		651	<1	2.10	61	60	<2	0.01	<5	143	0.30	83	<10	35	0.002	0.0027
B681783		465	1	2.82	25	20	<2	0.01	<5	180	0.27	147	<10	24	0.001	0.0025
B681784		567	1	2.20	31	30	4	0.02	<5	151	0.42	193	<10	27	0.001	0.0029
B681785		726	2	1.48	100	70	2	0.02	<5	120	0.15	95	<10	42	0.001	0.0034
B681786		595	1	2.12	38	80	<2	0.02	<5	150	0.26	148	<10	27	0.002	0.0031
B681787		661	1	2.43	78	50	<2	<0.01	<5	138	0.20	135	<10	29	0.001	0.0040



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CERTIFICATE OF ANALYSIS TB06093501

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
B681748		0.001
B681749		0.001
B681750		0.001
B681751		0.002
B681752		0.001
B681753		<0.001
B681754		0.001
B681755		0.001
B681756		<0.001
B681757		<0.001
B681758		0.001
B681759		0.001
B681760		0.002
B681761		0.001
B681762		0.001
B681763		0.001
B681764		0.001
B681765		0.001
B681766		0.001
B681767		0.002
B681768		0.012
B681769		0.001
B681770		0.001
B681771		0.001
B681772		0.001
B681773		0.001
B681774		<0.001
B681775		0.002
B681776		0.001
B681777		0.001
B681778		0.001
B681779		0.001
B681780		0.001
B681781		0.001
B681782		0.001
B681783		<0.001
B681784		<0.001
B681785		0.001
B681786		<0.001
B681787		0.001



Project: NORTH ROCK

CERTIFICATE OF ANALYSIS TB06093501

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	0.01	0.01	0.01	
B681788		3.16	<0.5	10.30	<5	50	<0.5	<2	7.73	<0.5	27	83	49	5.30	0.22	2.03
B681789		3.96	<0.5	10.40	15	30	<0.5	<2	8.49	<0.5	42	62	51	7.03	0.16	3.19
B681790		3.52	<0.5	11.00	<5	40	<0.5	<2	8.90	<0.5	24	58	30	5.26	0.15	1.66
B681791		2.35	<0.5	10.75	<5	50	<0.5	<2	7.41	<0.5	40	10	21	6.77	0.28	2.95
B681792		3.52	<0.5	11.05	<5	70	<0.5	<2	8.82	<0.5	32	70	60	5.36	0.21	1.62
B681793		4.03	<0.5	11.25	<5	70	<0.5	<2	8.77	<0.5	34	9	48	5.87	0.23	2.39
B681794		1.62	<0.5	10.30	<5	70	<0.5	<2	7.89	<0.5	43	103	25	6.69	0.28	3.33
B681795		4.01	<0.5	10.00	<5	60	<0.5	<2	7.49	<0.5	43	4	43	5.79	0.22	2.78
B681796		3.23	<0.5	10.60	<5	60	<0.5	<2	8.11	<0.5	24	66	20	5.18	0.23	1.55
B681797		3.67	<0.5	10.25	<5	90	<0.5	<2	7.71	<0.5	24	17	137	4.56	0.27	0.74
B681798		3.00	<0.5	10.70	<5	50	<0.5	<2	8.34	<0.5	28	63	35	5.38	0.21	1.63
B681799		3.31	<0.5	11.20	<5	60	<0.5	<2	8.42	<0.5	40	8	44	6.63	0.25	2.81
B681800		4.28	<0.5	10.65	9	50	<0.5	<2	8.44	<0.5	39	52	103	5.90	0.17	2.17
B681801		2.60	<0.5	9.31	5	30	<0.5	<2	7.08	<0.5	46	9	43	6.25	0.10	2.66
B681802		3.60	<0.5	10.40	<5	40	<0.5	3	7.74	<0.5	36	95	39	5.65	0.15	2.79
B681803		3.51	<0.5	10.15	<5	40	<0.5	<2	7.95	<0.5	35	29	56	5.63	0.16	2.65
B681804		4.39	<0.5	9.96	5	40	<0.5	<2	8.50	<0.5	40	50	44	5.96	0.13	2.43
B681805		4.56	<0.5	10.10	<5	50	<0.5	<2	8.21	<0.5	18	6	50	4.37	0.19	1.19
B681806		3.49	<0.5	9.69	14	50	<0.5	<2	8.13	<0.5	36	66	66	5.58	0.21	2.27
B681807		3.99	<0.5	9.49	9	40	<0.5	<2	8.34	<0.5	24	71	27	4.59	0.18	1.94
B681808		3.19	<0.5	9.27	<5	40	<0.5	<2	7.41	<0.5	35	67	50	5.94	0.17	2.42
B681809		1.95	<0.5	9.69	8	90	<0.5	<2	6.69	<0.5	31	35	30	6.20	0.47	2.29
B681810		3.03	<0.5	9.94	<5	160	<0.5	<2	8.22	<0.5	17	68	45	4.04	0.42	0.80
B681811		4.60	<0.5	10.10	12	80	<0.5	<2	8.27	<0.5	18	5	33	4.08	0.23	0.87
B681812		4.27	<0.5	10.55	9	40	<0.5	<2	8.47	<0.5	39	49	27	6.04	0.13	2.50
B681813		4.46	<0.5	9.87	<5	50	<0.5	2	7.49	<0.5	48	12	22	6.46	0.13	2.88
B681814		4.60	<0.5	11.30	<5	40	<0.5	2	8.50	<0.5	43	61	49	6.79	0.09	2.70
B681815		4.03	<0.5	10.35	<5	50	<0.5	3	8.00	<0.5	28	14	63	4.35	0.13	1.22
B681816		3.48	<0.5	11.35	<5	60	<0.5	3	7.76	<0.5	51	81	76	6.97	0.15	2.84
B681817		2.39	<0.5	10.65	<5	40	<0.5	2	7.39	<0.5	41	24	49	6.01	0.13	2.68
B681818		1.35	0.5	8.70	<5	60	<0.5	<2	6.65	<0.5	47	290	81	8.20	0.28	4.29
B681819		2.94	<0.5	10.70	<5	90	<0.5	<2	8.25	<0.5	23	17	56	4.20	0.31	1.38
B681820		2.63	<0.5	11.50	7	30	<0.5	<2	8.25	<0.5	38	68	65	5.59	0.11	2.72
B681821		2.97	<0.5	12.25	5	60	<0.5	4	8.50	<0.5	35	34	65	5.80	0.18	2.43
B681822		3.72	<0.5	11.20	<5	60	<0.5	4	8.00	<0.5	28	61	60	4.97	0.20	1.48
B681823		3.74	<0.5	9.37	<5	50	<0.5	<2	7.85	<0.5	23	22	31	4.52	0.19	1.55
B681824		4.98	<0.5	9.91	8	40	<0.5	<2	8.83	<0.5	26	74	50	4.84	0.12	1.91
B681825		4.90	<0.5	10.15	<5	40	<0.5	<2	8.16	<0.5	36	8	44	5.56	0.18	2.22
B681826		3.76	<0.5	10.55	6	50	<0.5	<2	8.64	<0.5	30	85	17	5.55	0.19	2.36
B681827		4.63	<0.5	10.70	<5	50	<0.5	<2	8.72	<0.5	27	30	18	4.96	0.17	2.08



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Project: NORTH ROCK

CERTIFICATE OF ANALYSIS TB06093501

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
B681788		661	1	2.41	40	20	<2	0.01	<5	144	0.23	148	<10	29	0.001	0.0026
B681789		899	2	1.70	103	40	<2	0.01	<5	117	0.27	161	<10	42	0.001	0.0032
B681790		688	<1	1.80	51	30	<2	0.03	<5	150	0.26	158	<10	27	0.001	0.0022
B681791		888	<1	1.72	120	60	<2	0.01	<5	120	0.10	58	<10	47	0.001	0.0060
B681792		749	<1	1.60	56	140	<2	0.05	<5	155	0.36	209	<10	45	0.001	0.0061
B681793		831	<1	1.41	91	110	<2	0.04	6	130	0.21	119	<10	51	0.001	0.0019
B681794		922	<1	1.11	153	90	<2	0.02	<5	106	0.14	73	<10	59	0.001	0.0027
B681795		769	<1	1.35	132	80	<2	0.01	5	115	0.17	60	<10	51	0.001	0.0027
B681796		609	<1	1.75	42	20	<2	0.01	<5	130	0.19	115	<10	35	0.001	0.0028
B681797		471	<1	2.51	29	40	<2	0.07	<5	178	0.12	109	<10	24	0.001	0.0017
B681798		641	<1	1.67	48	30	<2	0.01	7	130	0.30	199	<10	35	0.001	0.0019
B681799		789	<1	1.55	105	50	<2	0.01	5	119	0.21	116	<10	47	0.001	0.0026
B681800		671	<1	1.57	75	140	<2	0.03	<5	125	0.20	111	<10	39	0.002	0.0026
B681801		748	<1	1.31	121	30	7	0.02	<5	105	0.15	65	<10	45	0.001	0.0023
B681802		707	<1	1.28	80	30	8	0.01	<5	111	0.12	96	<10	42	0.001	0.0028
B681803		715	<1	1.44	94	40	3	0.01	<5	109	0.20	110	<10	42	0.001	0.0029
B681804		733	<1	1.39	107	40	4	0.02	<5	118	0.17	92	<10	41	0.001	0.0033
B681805		522	<1	1.94	40	70	<2	0.02	<5	154	0.21	93	<10	26	0.001	0.0030
B681806		679	<1	1.38	99	110	4	0.03	<5	119	0.15	71	<10	35	0.001	0.0039
B681807		541	<1	1.19	50	80	<2	0.01	7	122	0.11	96	<10	28	0.001	0.0042
B681808		739	<1	1.24	94	30	5	0.01	<5	116	0.15	106	<10	42	0.001	0.0042
B681809		787	<1	2.21	54	20	3	0.01	<5	122	0.19	154	<10	44	0.001	0.0031
B681810		437	<1	2.12	34	210	<2	0.04	<5	243	0.21	115	<10	22	0.001	0.0029
B681811		463	<1	1.86	33	160	5	0.03	<5	177	0.24	125	<10	25	0.001	0.0023
B681812		701	<1	1.28	100	70	<2	0.03	<5	119	0.15	72	<10	42	0.001	0.0023
B681813		781	<1	1.09	122	60	6	0.02	<5	102	0.11	67	<10	46	0.001	0.0028
B681814		784	<1	1.25	103	90	11	0.06	<5	120	0.10	50	<10	39	0.001	0.0023
B681815		495	<1	1.54	50	150	7	0.08	<5	135	0.13	60	<10	27	0.001	0.0031
B681816		839	<1	1.18	128	100	4	0.07	<5	126	0.17	106	<10	50	0.001	0.0034
B681817		749	<1	1.08	103	80	3	0.05	<5	107	0.09	54	<10	48	0.001	0.0033
B681818		1205	<1	1.25	136	280	7	0.09	<5	70	0.46	195	<10	77	0.004	0.0044
B681819		634	<1	1.63	44	80	6	0.03	<5	160	0.19	82	<10	35	0.002	0.0036
B681820		784	<1	1.25	99	80	7	0.06	<5	112	0.10	61	<10	47	0.001	0.0045
B681821		788	<1	1.90	80	50	7	0.03	<5	140	0.31	119	<10	44	0.001	0.0025
B681822		698	<1	2.34	54	40	6	0.02	<5	156	0.39	104	<10	36	0.001	0.0025
B681823		567	<1	1.82	41	50	2	0.01	<5	131	0.18	82	<10	32	0.001	0.0029
B681824		592	<1	1.47	51	40	2	0.01	<5	123	0.16	108	<10	34	0.002	0.0028
B681825		674	<1	1.64	87	30	<2	0.02	<5	117	0.22	135	<10	39	0.001	0.0022
B681826		661	<1	1.53	73	20	3	0.01	5	126	0.12	86	<10	41	0.001	0.0025
B681827		622	<1	1.67	63	20	5	0.01	<5	132	0.17	72	<10	35	0.001	0.0033



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CERTIFICATE OF ANALYSIS TB06093501

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
B681788		0.001
B681789		0.001
B681790		0.001
B681791		0.001
B681792		0.002
B681793		0.001
B681794		0.002
B681795		0.001
B681796		<0.001
B681797		0.007
B681798		0.002
B681799		0.001
B681800		0.001
B681801		0.001
B681802		<0.001
B681803		0.001
B681804		0.001
B681805		<0.001
B681806		0.001
B681807		0.001
B681808		0.001
B681809		0.001
B681810		0.002
B681811		0.001
B681812		0.001
B681813		0.001
B681814		0.001
B681815		0.001
B681816		0.001
B681817		0.001
B681818		0.004
B681819		0.001
B681820		0.001
B681821		0.001
B681822		<0.001
B681823		<0.001
B681824		<0.001
B681825		0.001
B681826		0.001
B681827		0.001



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CERTIFICATE OF ANALYSIS TB06093501

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg
		kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%
B681828		3.72	<0.5	9.42	<5	50	<0.5	<2	8.76	<0.5	26	159	19	5.20	0.17	2.42
B681829		4.23	<0.5	10.75	10	40	<0.5	<2	8.55	<0.5	29	9	26	6.00	0.21	1.98
B681830		4.55	<0.5	9.27	12	40	<0.5	<2	7.63	<0.5	41	43	37	6.34	0.14	2.68
B681831		3.23	<0.5	9.89	<5	70	<0.5	<2	7.97	<0.5	27	70	32	5.27	0.26	2.23
B681832		4.43	<0.5	10.25	<5	40	<0.5	<2	8.27	<0.5	35	50	29	6.17	0.17	2.38
B681833		3.83	<0.5	10.05	6	40	<0.5	<2	7.49	<0.5	37	6	25	6.24	0.18	2.40
B681834		3.91	<0.5	9.96	<5	60	<0.5	<2	7.30	<0.5	21	74	53	4.57	0.22	1.38
B681835		3.76	<0.5	10.15	7	60	<0.5	<2	7.96	<0.5	26	57	29	5.38	0.27	1.77
B681836		3.64	<0.5	10.05	<5	120	<0.5	<2	7.89	<0.5	19	70	89	4.11	0.53	1.09
B681837		1.11	<0.5	9.17	6	130	<0.5	<2	6.74	<0.5	29	19	39	5.13	0.33	1.97
B681838		0.97	<0.5	8.92	<5	70	<0.5	<2	7.01	<0.5	27	149	213	5.11	0.42	1.79
B681839		1.34	<0.5	8.56	5	30	<0.5	<2	7.58	<0.5	42	213	17	8.25	0.18	4.19
B681840		4.34	<0.5	9.91	6	130	<0.5	<2	8.25	<0.5	24	67	42	5.01	0.47	1.62
B681841		2.87	<0.5	10.75	<5	70	<0.5	<2	8.36	<0.5	24	8	78	5.54	0.23	1.27
B681842		3.71	<0.5	9.90	<5	70	<0.5	<2	7.94	<0.5	30	61	99	5.55	0.23	1.67
B681843		6.20	<0.5	10.40	8	70	<0.5	<2	7.84	<0.5	36	11	121	6.05	0.24	2.05
B681844		4.00	<0.5	10.35	6	80	<0.5	<2	7.71	<0.5	37	65	62	5.25	0.26	2.17
B681845		3.40	<0.5	10.40	11	90	<0.5	<2	6.85	<0.5	33	6	21	4.86	0.34	2.24
B681846		3.53	<0.5	9.90	<5	90	<0.5	<2	6.93	<0.5	23	55	85	4.64	0.31	1.28
B681847		2.75	<0.5	10.55	<5	160	<0.5	<2	7.89	<0.5	26	6	105	5.60	0.61	1.54
B681848		3.13	<0.5	12.05	12	150	<0.5	<2	8.58	<0.5	37	82	77	6.24	0.53	2.01
B681849		3.45	<0.5	11.35	<5	90	<0.5	<2	8.45	<0.5	39	18	34	6.72	0.38	2.46
B681850		2.48	<0.5	10.85	10	70	<0.5	<2	7.96	<0.5	41	61	27	6.26	0.28	2.42



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CERTIFICATE OF ANALYSIS TB06093501

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.001	0.0005
B681828		690	<1	1.10	62	30	2	<0.01	<5	126	0.16	120	<10	35	0.001	0.0026
B681829		731	<1	1.72	69	40	2	0.02	<5	131	0.27	133	<10	36	0.001	0.0029
B681830		802	<1	1.22	116	40	5	0.02	<5	106	0.15	78	<10	48	0.001	0.0043
B681831		765	<1	1.43	54	40	4	0.01	5	123	0.33	202	<10	39	0.001	0.0025
B681832		832	<1	1.57	83	30	2	0.01	<5	124	0.27	149	<10	42	0.001	0.0025
B681833		816	<1	1.85	95	30	<2	0.01	<5	136	0.27	110	<10	46	0.001	0.0358
B681834		690	<1	2.52	35	20	3	0.01	<5	157	0.29	162	<10	35	0.001	0.0018
B681835		777	<1	2.12	42	30	3	0.01	<5	153	0.17	127	<10	40	0.001	0.0024
B681836		545	<1	2.43	30	40	2	0.03	<5	186	0.16	68	<10	29	0.002	0.0019
B681837		756	<1	1.88	86	60	6	0.01	<5	149	0.09	68	<10	46	0.003	0.0025
B681838		777	<1	1.66	57	40	3	0.04	<5	151	0.09	89	<10	41	0.010	0.0023
B681839		1390	1	1.54	122	320	<2	0.01	<5	99	0.51	197	<10	57	0.001	0.0021
B681840		665	1	1.54	40	120	<2	0.03	<5	238	0.18	118	<10	34	0.001	0.0020
B681841		750	1	1.71	48	210	<2	0.05	<5	232	0.52	250	<10	29	0.002	0.0026
B681842		766	<1	1.55	67	160	<2	0.05	<5	185	0.33	157	<10	37	0.003	0.0031
B681843		780	<1	1.48	78	100	<2	0.06	<5	154	0.25	163	<10	42	0.003	0.0018
B681844		703	<1	1.75	93	30	<2	0.03	<5	148	0.06	65	<10	40	0.002	0.0022
B681845		666	<1	1.95	110	40	<2	0.02	<5	142	0.10	56	<10	42	0.003	0.0050
B681846		601	<1	2.09	46	20	<2	0.04	<5	151	0.25	148	<10	39	0.004	0.0013
B681847		707	2	1.40	69	40	2	0.10	<5	144	0.17	93	<10	34	0.003	0.0016
B681848		894	2	1.80	108	80	3	0.01	<5	185	0.20	121	<10	44	0.002	0.0022
B681849		925	2	1.80	91	80	<2	0.01	<5	151	0.21	126	<10	53	0.001	0.0024
B681850		841	<1	1.58	103	40	3	0.01	<5	143	0.14	95	<10	49	0.001	0.0025



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Account: METCOR

Project: NORTH ROCK

CERTIFICATE OF ANALYSIS TB06093501

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
B681828		0.001
B681829		0.001
B681830		0.002
B681831		0.001
B681832		<0.001
B681833		0.006
B681834		<0.001
B681835		<0.001
B681836		0.001
B681837		0.001
B681838		0.001
B681839		0.001
B681840		<0.001
B681841		0.001
B681842		0.001
B681843		0.001
B681844		0.001
B681845		0.001
B681846		<0.001
B681847		0.001
B681848		0.001
B681849		0.001
B681850		<0.001



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Finalized Date: 16-SEP-2006
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CERTIFICATE TB06081176

Project: North Rock

P.O. No.:

This report is for 103 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 28-AUG-2006.

The following have access to data associated with this certificate:

MITCH DUMOULIN

AUBREY J. EVELEIGH

A.D. MACTAVISH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	27 element four acid ICP-AES	ICP-AES
PGM-MS24	Pt, Pd and Au 50g FA ICP-MS	ICP-MS

To: METAL CORP LTD
ATTN: AUBREY J. EVELEIGH
309 S COURT ST
THUNDER BAY ON P7B 2Y1

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Keith Rogers, Executive Manager Vancouver Laboratory



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Project: North Rock

CERTIFICATE OF ANALYSIS TB06081176

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	0.01	0.01	0.01	
B680747		5.61	<0.5	9.37	<5	100	<0.5	<2	5.93	<0.5	44	28	368	8.36	0.43	1.57
B680748		3.52	<0.5	9.52	<5	110	<0.5	2	6.04	<0.5	44	33	173	8.01	0.53	2.16
B680749		3.71	<0.5	9.67	6	60	<0.5	<2	7.24	<0.5	37	28	185	7.46	0.35	1.89
B680750		4.47	<0.5	9.82	<5	70	<0.5	<2	6.69	<0.5	69	26	345	9.01	0.44	2.27
B680751		2.72	<0.5	9.91	<5	70	<0.5	<2	6.32	<0.5	77	20	473	9.97	0.40	1.73
B680752		2.75	<0.5	10.20	<5	80	<0.5	<2	8.09	<0.5	53	22	417	8.65	0.44	1.60
B680753		4.15	<0.5	9.39	<5	110	<0.5	<2	5.88	<0.5	53	22	366	8.80	0.62	1.89
B680754		3.09	<0.5	9.24	7	110	<0.5	<2	6.18	<0.5	40	20	149	7.73	0.59	2.02
B680755		2.92	<0.5	9.14	<5	150	<0.5	<2	5.98	<0.5	47	29	186	8.29	0.79	2.53
B680756		2.87	<0.5	9.39	<5	110	<0.5	<2	6.38	<0.5	53	54	254	8.99	0.72	2.47
B680757		1.82	<0.5	9.21	13	100	<0.5	<2	6.58	<0.5	50	60	164	8.71	0.63	2.77
B680758		2.34	<0.5	9.17	11	110	<0.5	<2	6.62	<0.5	49	64	166	8.82	0.67	2.94
B680759		3.33	<0.5	9.18	6	80	<0.5	<2	6.41	<0.5	41	72	191	8.56	0.50	2.80
B680760		3.42	<0.5	9.23	6	90	<0.5	<2	6.53	<0.5	38	60	121	8.02	0.56	2.64
B680761		3.79	<0.5	9.15	6	90	<0.5	<2	6.10	<0.5	41	84	126	9.29	0.51	2.87
B680762		2.21	<0.5	9.49	11	70	<0.5	<2	6.41	<0.5	44	74	142	9.57	0.40	2.91
B680763		3.02	<0.5	8.63	<5	40	0.7	<2	7.10	<0.5	46	81	176	12.85	0.37	2.64
B680764		3.13	<0.5	9.40	<5	70	<0.5	<2	6.42	<0.5	32	62	50	8.06	0.38	2.68
B680765		3.47	<0.5	9.08	<5	90	<0.5	<2	6.50	<0.5	37	110	97	8.64	0.51	2.85
B680766		2.23	<0.5	9.48	13	100	<0.5	<2	6.92	<0.5	41	102	149	9.53	0.58	2.68
B680767		2.55	<0.5	9.13	<5	130	<0.5	<2	6.57	<0.5	37	90	73	8.12	0.61	2.63
B680768		2.39	<0.5	9.35	18	140	<0.5	<2	6.80	<0.5	28	50	141	6.20	0.61	1.99
B680769		1.98	<0.5	8.52	<5	130	<0.5	<2	6.16	<0.5	33	37	387	6.55	0.52	1.89
B680770		2.18	<0.5	9.09	<5	100	<0.5	<2	6.41	<0.5	33	69	118	7.63	0.50	2.59
B680771		2.43	<0.5	8.69	<5	80	<0.5	<2	5.66	<0.5	25	58	89	7.27	0.39	2.76
B680772		2.02	<0.5	8.30	8	280	0.6	<2	5.66	<0.5	25	135	159	8.84	0.85	3.36
B680773		2.02	<0.5	7.74	12	500	1.5	<2	6.28	<0.5	29	282	93	6.77	0.86	4.64
B680774		1.85	<0.5	6.26	<5	380	1.5	<2	6.75	<0.5	30	554	8	6.30	0.77	5.86
B680775		3.28	<0.5	8.66	<5	100	<0.5	<2	6.38	<0.5	28	63	47	6.94	0.50	2.52
B680776		1.85	<0.5	8.88	<5	120	<0.5	<2	6.30	<0.5	34	60	104	7.15	0.62	2.36
B680777		3.31	<0.5	8.59	<5	130	<0.5	<2	6.26	<0.5	31	70	95	8.92	0.53	2.90
B680778		2.59	<0.5	7.87	<5	180	0.5	<2	5.63	<0.5	36	68	62	8.34	0.61	3.42
B680779		1.98	<0.5	8.09	<5	150	<0.5	<2	5.57	<0.5	34	60	92	8.92	0.69	3.01
B680780		2.33	<0.5	8.02	<5	80	<0.5	<2	6.52	<0.5	53	102	305	9.56	0.39	4.24
B680781		2.57	<0.5	8.02	<5	70	<0.5	<2	6.91	<0.5	57	128	224	10.10	0.40	4.52
B680782		3.07	<0.5	7.89	8	120	<0.5	<2	6.42	<0.5	45	87	268	12.30	0.67	3.96
B680783		2.45	<0.5	7.77	6	270	1.0	<2	5.53	<0.5	26	35	195	10.25	0.74	1.79
B680784		3.07	<0.5	6.96	6	90	0.7	<2	6.14	<0.5	62	93	330	12.60	0.43	3.08
B680785		2.42	<0.5	8.31	<5	100	<0.5	<2	5.88	<0.5	64	85	503	10.25	0.53	2.99
B680786		2.82	1.1	8.28	<5	120	<0.5	<2	5.16	<0.5	155	36	4680	11.45	0.54	2.47



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Project: North Rock

CERTIFICATE OF ANALYSIS TB06081176

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24	
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
B680747		1110	4	2.43	170	1220	2	0.18	<5	169	1.37	252	<10	40	0.002	0.0127
B680748		963	3	2.43	163	280	2	0.18	<5	169	0.66	265	<10	42	0.001	0.0278
B680749		742	<1	1.95	143	390	<2	0.14	<5	185	0.28	199	<10	30	0.001	0.0474
B680750		1120	1	2.32	380	1020	<2	0.51	<5	157	1.00	280	<10	43	0.001	0.0309
B680751		1020	1	2.43	322	1830	<2	0.78	<5	190	0.98	269	<10	36	0.001	0.0188
B680752		935	1	1.73	244	850	<2	0.41	<5	222	1.00	262	<10	32	0.001	0.0141
B680753		949	<1	2.47	284	1550	<2	0.47	<5	198	0.83	256	<10	38	0.001	0.0166
B680754		940	<1	2.35	188	940	9	0.16	<5	208	0.54	273	<10	53	0.001	0.0334
B680755		1170	2	2.31	270	580	<2	0.30	<5	215	1.01	242	<10	48	0.001	0.0195
B680756		1140	<1	2.20	307	580	2	0.48	<5	194	0.78	292	<10	45	0.002	0.0356
B680757		1145	<1	1.97	267	420	<2	0.34	<5	158	0.84	334	<10	48	0.001	0.0331
B680758		1095	<1	1.96	300	730	<2	0.32	<5	155	0.65	520	10	49	0.001	0.0375
B680759		1105	1	1.98	205	470	<2	0.21	<5	152	0.72	279	<10	42	0.002	0.0466
B680760		1030	1	1.99	206	340	<2	0.19	<5	165	0.63	394	<10	40	0.001	0.0264
B680761		1250	2	1.85	165	420	<2	0.16	<5	139	0.60	265	<10	50	0.001	0.0221
B680762		1345	1	1.83	186	400	<2	0.23	<5	131	1.01	332	<10	49	0.001	0.0365
B680763		1460	2	1.32	127	250	<2	0.26	<5	84	0.47	241	<10	61	<0.001	0.0199
B680764		1070	<1	2.13	95	60	<2	0.08	<5	153	0.36	291	<10	44	0.001	0.0289
B680765		1250	1	1.93	132	330	<2	0.08	<5	147	0.57	322	10	52	0.001	0.138
B680766		1245	<1	1.89	117	230	<2	0.08	<5	156	0.49	186	<10	49	0.003	0.0698
B680767		1240	<1	1.90	102	50	<2	0.10	<5	151	0.49	240	<10	51	0.001	0.0571
B680768		958	1	2.24	73	80	<2	0.08	<5	178	0.31	199	<10	43	0.002	0.122
B680769		898	1	2.41	99	70	3	0.24	<5	224	0.22	186	<10	44	0.004	0.125
B680770		1190	<1	2.19	74	40	<2	0.09	<5	188	0.18	216	<10	55	0.001	0.136
B680771		1210	1	2.04	51	10	<2	0.15	<5	193	0.06	276	10	60	0.001	0.0424
B680772		1560	<1	2.19	66	410	3	0.32	<5	300	0.67	301	<10	72	0.001	0.0227
B680773		1365	4	2.48	61	1430	2	0.14	<5	675	0.49	199	<10	96	<0.001	0.0023
B680774		1690	<1	2.06	105	1200	3	0.01	<5	580	0.36	167	<10	112	<0.001	0.0033
B680775		1145	2	2.05	64	30	2	0.06	<5	163	0.08	207	<10	44	0.001	0.0905
B680776		1170	<1	2.18	97	160	<2	0.19	<5	170	0.10	182	<10	45	0.001	0.0693
B680777		1690	<1	1.68	73	220	<2	0.08	<5	122	0.21	294	<10	51	0.002	0.0538
B680778		1495	<1	1.79	88	140	3	0.04	<5	236	0.25	225	<10	59	0.001	0.0774
B680779		1490	1	1.76	99	80	<2	0.11	<5	164	0.47	288	<10	57	0.004	0.173
B680780		1570	<1	1.52	261	60	<2	0.14	<5	121	0.23	250	<10	67	0.007	0.0640
B680781		1680	<1	1.52	185	90	<2	0.06	<5	127	0.25	287	<10	77	0.005	0.0122
B680782		1755	1	1.55	147	420	<2	0.27	<5	148	0.24	296	<10	85	0.006	0.0605
B680783		1490	<1	1.86	48	2520	<2	0.35	<5	448	0.96	67	<10	61	0.001	0.0006
B680784		1950	1	1.44	163	1380	<2	0.67	<5	128	0.63	161	<10	90	0.003	0.152
B680785		1435	2	2.23	254	950	<2	0.78	<5	171	0.15	222	<10	79	0.011	0.504
B680786		1195	3	2.48	689	650	<2	3.23	<5	205	0.17	252	<10	66	0.021	0.175



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CERTIFICATE OF ANALYSIS TB06081176

Sample Description	Method Analyte Units LOR	PGM-MS24
		Pd ppm 0.001
B680747		0.083
B680748		0.047
B680749		0.076
B680750		0.038
B680751		0.083
B680752		0.069
B680753		0.077
B680754		0.058
B680755		0.050
B680756		0.122
B680757		0.067
B680758		0.050
B680759		0.051
B680760		0.026
B680761		0.017
B680762		0.074
B680763		0.022
B680764		0.014
B680765		0.023
B680766		0.009
B680767		0.018
B680768		0.019
B680769		0.046
B680770		0.038
B680771		0.067
B680772		0.095
B680773		0.003
B680774		0.003
B680775		0.045
B680776		0.058
B680777		0.120
B680778		0.074
B680779		0.563
B680780		0.149
B680781		0.030
B680782		0.106
B680783		0.009
B680784		0.047
B680785		0.121
B680786		0.195



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CERTIFICATE OF ANALYSIS TB06081176

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg
		kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%
B680787		2.23	<0.5	8.60	<5	290	0.7	<2	5.49	<0.5	80	67	429	10.10	1.16	3.06
B680788		2.29	<0.5	8.26	<5	300	0.6	<2	6.42	<0.5	55	100	272	10.75	1.19	3.81
B680789		3.45	<0.5	8.07	5	120	0.5	<2	7.00	<0.5	45	175	144	9.33	0.63	4.26
B680790		3.86	<0.5	7.79	<5	170	0.5	<2	7.06	<0.5	45	186	105	8.73	0.81	4.37
B680791		2.83	<0.5	7.87	<5	130	0.5	<2	7.18	<0.5	44	212	75	8.46	0.67	4.49
B680792		4.16	<0.5	7.42	<5	130	<0.5	<2	6.86	<0.5	61	201	254	9.26	0.68	4.34
B680793		4.88	<0.5	7.34	<5	160	<0.5	<2	6.47	<0.5	49	183	212	8.87	0.84	4.11
B680794		4.80	<0.5	7.33	<5	290	0.5	<2	6.46	<0.5	41	203	116	8.79	1.22	4.25
B680795		2.13	<0.5	7.70	<5	300	0.9	<2	6.51	<0.5	37	179	103	7.77	0.90	3.66
B680796		3.51	<0.5	6.98	<5	510	1.0	<2	6.26	<0.5	57	117	216	10.90	1.60	4.33
B680797		3.71	<0.5	5.91	<5	500	0.9	<2	7.46	<0.5	96	159	448	14.10	1.96	5.95
B680798		3.89	<0.5	6.86	<5	380	1.3	<2	7.02	<0.5	65	90	439	11.50	1.40	3.76
B680799		3.67	<0.5	5.46	<5	300	1.1	<2	7.47	<0.5	117	92	717	14.40	1.07	5.11
B680800		2.98	<0.5	5.64	<5	640	0.9	<2	6.84	<0.5	89	134	514	10.80	1.67	6.04
B680801		2.18	<0.5	5.15	<5	350	0.9	<2	8.15	<0.5	60	303	195	7.54	0.81	7.64
B680802		3.59	<0.5	4.57	<5	300	0.8	<2	9.03	<0.5	52	608	170	6.54	0.52	8.21
B680803		3.25	<0.5	4.80	<5	400	1.0	<2	8.56	<0.5	49	537	45	6.65	0.83	7.76
B680804		2.52	<0.5	3.73	<5	320	0.7	<2	4.45	<0.5	30	184	81	5.23	1.29	3.75
B680805		4.65	<0.5	6.70	<5	320	1.2	<2	8.12	<0.5	49	6	115	11.75	0.93	4.89
B680806		3.36	<0.5	7.10	<5	480	1.1	<2	6.85	<0.5	48	5	110	10.60	1.41	4.78
B680807		3.11	<0.5	7.32	<5	540	1.2	<2	6.30	<0.5	41	2	77	8.90	1.42	4.03
B680808		2.47	<0.5	7.06	<5	510	1.3	<2	5.23	<0.5	39	5	86	8.36	1.31	3.04
B680809		3.08	<0.5	8.25	<5	580	1.5	<2	5.70	<0.5	30	9	35	8.57	1.47	3.04
B680810		2.51	<0.5	7.14	<5	510	1.3	<2	5.73	<0.5	43	6	84	10.80	1.74	3.91
B680811		2.75	<0.5	7.80	<5	660	1.5	<2	5.51	<0.5	27	4	37	7.97	1.89	2.70
B680812		1.74	<0.5	7.51	<5	520	1.4	<2	6.08	<0.5	39	7	72	9.22	2.09	3.57
B680813		1.05	<0.5	7.15	<5	450	1.2	<2	6.70	<0.5	45	5	100	10.60	1.75	4.31
B680814		1.81	<0.5	6.89	<5	650	1.4	<2	6.38	<0.5	42	2	92	10.75	2.75	3.62
B680815		1.88	<0.5	7.87	<5	450	2.5	<2	1.60	<0.5	1	4	33	0.96	0.80	0.20
B680816		1.52	<0.5	8.01	<5	460	2.5	<2	2.06	<0.5	2	5	30	1.14	0.69	0.20
B680817		1.43	<0.5	8.36	<5	420	3.0	<2	2.18	<0.5	2	3	31	1.00	0.65	0.17
B680818		1.59	<0.5	7.63	<5	490	2.6	<2	1.79	<0.5	1	5	41	1.09	0.82	0.16
B680819		1.19	<0.5	7.67	<5	570	2.5	<2	1.81	<0.5	1	4	39	0.98	0.74	0.16
B680820		1.86	<0.5	7.49	<5	1330	2.3	<2	1.69	<0.5	1	5	27	0.88	1.41	0.17
B680821		0.99	<0.5	7.70	<5	2380	2.2	<2	1.45	<0.5	2	5	23	0.86	1.82	0.16
B680822		1.47	<0.5	7.74	<5	2130	2.2	<2	1.77	<0.5	1	5	48	1.03	1.75	0.14
B680823		2.31	<0.5	7.91	<5	1730	2.4	<2	1.45	<0.5	1	4	25	0.83	1.59	0.17
B680824		1.95	<0.5	8.40	<5	2010	2.4	<2	1.96	<0.5	3	31	24	2.16	1.72	0.61
B680825		1.75	<0.5	8.49	<5	1430	2.6	<2	1.23	<0.5	2	16	28	1.60	1.80	0.46
B680826		2.12	<0.5	8.47	<5	1720	2.2	2	1.48	<0.5	1	18	18	1.39	1.53	0.35



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CERTIFICATE OF ANALYSIS TB06081176

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
B680787		1405	<1	2.09	281	680	<2	1.14	<5	279	0.39	409	<10	78	0.001	0.0913
B680788		1755	1	1.85	152	420	<2	1.15	<5	232	0.56	435	10	90	0.001	0.0299
B680789		1780	1	1.98	116	440	2	0.52	<5	208	0.52	341	<10	87	0.001	0.0142
B680790		1775	2	2.00	107	310	5	0.35	<5	216	0.56	304	<10	84	0.001	0.0081
B680791		1760	<1	2.13	102	310	5	0.20	<5	202	0.52	291	<10	82	0.001	0.0054
B680792		1740	<1	1.93	123	430	7	0.82	<5	192	0.54	303	<10	85	0.001	0.0448
B680793		1690	4	1.83	94	320	6	0.70	<5	178	0.61	308	<10	84	0.001	0.0105
B680794		1770	1	1.88	90	300	3	0.36	<5	240	0.60	314	<10	85	0.001	0.0050
B680795		1395	<1	2.27	80	950	5	0.33	<5	626	0.54	283	<10	71	0.001	0.0046
B680796		1370	<1	1.69	60	630	6	0.77	<5	626	0.85	460	<10	88	0.001	0.0057
B680797		1635	<1	0.77	67	410	6	1.05	<5	377	1.12	627	<10	106	0.003	0.0174
B680798		1835	<1	1.28	56	660	7	1.70	<5	538	0.81	410	<10	98	0.002	0.0048
B680799		1620	<1	0.64	57	1200	5	2.57	<5	417	0.86	546	<10	107	0.005	0.0081
B680800		1265	<1	0.93	64	820	6	1.27	<5	425	0.84	416	<10	96	0.003	0.0035
B680801		1360	<1	0.97	123	680	6	0.11	<5	441	0.53	228	<10	99	0.001	0.0030
B680802		1285	<1	0.98	136	600	3	0.19	<5	400	0.41	184	<10	83	0.001	0.0106
B680803		1325	<1	1.12	115	600	7	0.02	<5	398	0.45	201	<10	91	0.001	0.0109
B680804		939	<1	0.80	46	970	2	0.23	<5	335	0.34	162	<10	72	0.001	0.0015
B680805		1505	<1	1.41	6	3480	4	0.39	<5	1040	0.87	411	<10	112	0.001	<0.0005
B680806		1265	<1	1.75	5	3030	3	0.41	<5	760	0.87	399	<10	105	0.001	<0.0005
B680807		1180	<1	2.01	3	2500	7	0.27	<5	793	0.77	349	<10	101	0.001	<0.0005
B680808		1090	<1	2.02	2	3050	7	0.42	<5	795	0.67	312	<10	104	0.001	<0.0005
B680809		1235	<1	2.73	1	1910	8	0.23	<5	885	0.66	291	<10	109	<0.001	<0.0005
B680810		1435	<1	1.67	1	2380	6	0.31	<5	709	0.81	381	<10	115	0.001	<0.0005
B680811		1355	<1	2.47	<1	2420	10	0.24	<5	850	0.60	255	<10	107	<0.001	<0.0005
B680812		1340	<1	1.99	3	2080	5	0.41	<5	780	0.73	339	<10	111	0.001	<0.0005
B680813		1465	<1	1.46	2	3340	3	0.56	<5	724	0.84	392	<10	115	0.001	<0.0005
B680814		1725	<1	0.98	<1	5160	7	0.39	<5	674	0.79	364	<10	136	0.001	<0.0005
B680815		146	<1	4.66	2	120	9	0.13	<5	902	0.11	19	<10	13	<0.001	<0.0005
B680816		149	<1	4.42	2	110	10	0.11	<5	1060	0.11	19	<10	16	<0.001	<0.0005
B680817		132	<1	4.87	4	100	12	0.19	<5	1170	0.11	19	<10	14	<0.001	<0.0005
B680818		137	1	4.26	3	100	10	0.15	<5	1010	0.10	19	<10	11	<0.001	<0.0005
B680819		124	<1	4.24	2	100	9	0.15	<5	1050	0.10	17	<10	11	<0.001	<0.0005
B680820		155	<1	3.85	3	100	10	0.07	<5	981	0.10	18	<10	11	0.001	<0.0005
B680821		129	<1	3.80	5	100	9	0.06	<5	1030	0.11	18	<10	10	0.001	<0.0005
B680822		129	<1	3.87	3	110	12	0.15	<5	1070	0.10	16	<10	11	<0.001	<0.0005
B680823		137	<1	4.07	2	110	10	0.06	<5	918	0.11	18	<10	10	<0.001	<0.0005
B680824		361	<1	3.87	9	370	14	0.11	<5	1030	0.16	37	<10	21	<0.001	<0.0005
B680825		241	<1	4.42	4	270	8	0.08	<5	716	0.13	27	<10	20	0.001	<0.0005
B680826		231	1	3.51	5	170	11	0.03	<5	838	0.11	27	<10	24	0.001	<0.0005



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Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
B680787		0.135
B680788		0.099
B680789		0.024
B680790		0.013
B680791		0.005
B680792		0.030
B680793		0.011
B680794		0.005
B680795		0.004
B680796		0.006
B680797		0.010
B680798		0.005
B680799		0.019
B680800		0.003
B680801		0.005
B680802		0.010
B680803		0.009
B680804		0.001
B680805		<0.001
B680806		<0.001
B680807		<0.001
B680808		<0.001
B680809		<0.001
B680810		<0.001
B680811		<0.001
B680812		<0.001
B680813		<0.001
B680814		<0.001
B680815		<0.001
B680816		<0.001
B680817		<0.001
B680818		<0.001
B680819		<0.001
B680820		<0.001
B680821		<0.001
B680822		<0.001
B680823		<0.001
B680824		<0.001
B680825		<0.001
B680826		<0.001



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CERTIFICATE OF ANALYSIS TB06081176

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01	0.01
B680827		2.52	<0.5	9.77	<5	2670	2.5	<2	1.92	<0.5	1	11	21	1.32	2.21	0.34
B680828		2.47	<0.5	10.40	<5	1200	3.0	<2	2.03	<0.5	1	11	22	1.51	1.30	0.38
B680829		2.40	<0.5	10.60	<5	1400	2.9	<2	1.55	<0.5	3	25	24	2.34	1.61	0.54
B680830		2.84	<0.5	10.15	<5	610	3.0	<2	2.56	<0.5	4	44	26	2.81	1.21	0.92
B680831		2.17	<0.5	9.45	<5	1210	2.7	<2	1.00	<0.5	2	4	31	1.10	1.60	0.23
B680832		2.54	<0.5	9.72	<5	580	3.0	2	1.80	<0.5	2	10	73	1.75	0.90	0.33
B680833		2.07	<0.5	9.25	<5	460	3.0	<2	1.89	<0.5	1	4	84	1.27	0.79	0.15
B680834		2.18	<0.5	9.15	<5	530	3.0	<2	1.76	<0.5	2	6	139	1.66	0.82	0.19
B680835		1.87	<0.5	9.63	<5	1300	2.5	<2	1.72	<0.5	1	35	70	2.78	1.52	0.76
B680836		2.45	<0.5	9.69	<5	1280	2.9	<2	1.66	<0.5	1	11	82	1.73	1.43	0.29
B680837		2.65	<0.5	10.20	<5	1340	3.3	<2	1.95	<0.5	1	2	115	1.29	1.51	0.17
B680838		2.83	<0.5	10.95	5	850	3.5	<2	1.64	<0.5	<1	2	85	1.32	1.82	0.19
B680839		2.02	<0.5	10.20	<5	660	3.3	<2	1.17	<0.5	<1	2	112	1.27	1.65	0.18
B680840		2.80	<0.5	10.20	<5	770	3.1	<2	1.79	<0.5	1	5	130	1.30	1.74	0.18
B680841		2.59	<0.5	10.15	<5	680	3.0	<2	1.56	<0.5	<1	31	62	1.85	1.58	0.44
B680842		1.77	<0.5	10.70	<5	500	3.7	<2	2.09	<0.5	2	7	186	1.81	1.27	0.31
B680843		2.31	<0.5	10.25	<5	580	3.6	<2	1.46	<0.5	1	9	100	1.46	1.43	0.34
B680844		1.85	<0.5	10.95	<5	790	3.6	<2	2.93	<0.5	1	4	54	1.76	1.89	0.35
B680845		3.13	<0.5	9.09	<5	480	1.7	<2	5.26	<0.5	11	3	36	6.82	1.10	1.76
B680846		1.72	<0.5	8.41	<5	570	1.5	2	6:59	<0.5	36	2	79	9.46	1.34	3.74
B680847		1.99	<0.5	8.11	<5	500	1.3	<2	7.26	<0.5	46	4	98	10.65	1.28	4.70
B680848		2.34	<0.5	7.52	<5	470	1.2	<2	7.02	<0.5	48	8	82	10.80	1.29	5.39
B680849		3.53	<0.5	7.56	<5	520	1.1	<2	7.23	<0.5	53	17	98	10.50	1.39	5.75



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CERTIFICATE OF ANALYSIS TB06081176

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24	
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.001	0.0005
B680827		213	1	4.24	3	220	14	0.05	<5	1180	0.11	23	<10	23	0.001	<0.0005
B680828		226	1	4.95	3	250	11	0.05	<5	1210	0.12	26	<10	23	0.001	<0.0005
B680829		263	1	4.96	8	360	10	0.07	<5	936	0.16	39	<10	22	0.001	<0.0005
B680830		479	1	4.60	15	510	8	0.09	<5	1120	0.18	57	<10	31	0.001	<0.0005
B680831		130	<1	4.71	2	140	8	0.09	<5	826	0.10	22	<10	9	0.001	<0.0005
B680832		195	1	4.81	4	250	9	0.33	<5	1150	0.13	24	<10	15	0.001	<0.0005
B680833		133	1	4.75	<1	110	7	0.33	<5	1175	0.11	17	<10	9	0.001	<0.0005
B680834		168	1	4.78	1	120	11	0.61	<5	1210	0.11	20	<10	11	0.001	<0.0005
B680835		426	1	4.18	4	520	12	0.27	<5	902	0.20	52	<10	42	0.001	<0.0005
B680836		246	1	4.52	2	210	11	0.29	<5	1000	0.13	33	<10	17	0.001	<0.0005
B680837		177	1	5.8	1	130	8	0.41	<5	1015	0.12	22	<10	12	0.001	<0.0005
B680838		193	1	6.0	<1	130	7	0.29	<5	609	0.13	28	<10	17	<0.001	<0.0005
B680839		198	1	6.0	<1	140	5	0.37	<5	452	0.12	25	<10	9	0.001	<0.0005
B680840		182	1	5.8	<1	140	10	0.33	<5	614	0.13	27	<10	7	0.001	<0.0005
B680841		300	1	5.6	5	310	6	0.08	<5	654	0.13	45	<10	20	0.001	<0.0005
B680842		242	2	5.96	6	190	17	0.52	<5	1010	0.12	30	<10	22	0.001	<0.0005
B680843		219	1	6.1	5	180	10	0.17	<5	880	0.12	30	<10	26	0.001	<0.0005
B680844		304	1	5.11	<1	640	8	0.16	<5	1170	0.16	41	<10	18	<0.001	<0.0005
B680845		1170	1	2.30	<1	3930	9	0.37	<5	1170	0.48	164	<10	55	0.001	<0.0005
B680846		1475	<1	1.71	<1	3590	5	0.35	6	933	0.75	354	<10	86	0.001	<0.0005
B680847		1510	1	1.65	6	3790	<2	0.42	6	864	0.83	385	<10	102	0.001	<0.0005
B680848		1595	<1	1.41	18	2490	2	0.29	10	612	0.85	395	<10	104	0.001	<0.0005
B680849		1610	1	1.30	21	1840	5	0.28	<5	570	0.84	374	<10	102	0.001	<0.0005



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CERTIFICATE OF ANALYSIS TB06081176

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
B680827		<0.001
B680828		<0.001
B680829		<0.001
B680830		<0.001
B680831		<0.001
B680832		<0.001
B680833		<0.001
B680834		<0.001
B680835		<0.001
B680836		<0.001
B680837		<0.001
B680838		<0.001
B680839		<0.001
B680840		<0.001
B680841		<0.001
B680842		<0.001
B680843		<0.001
B680844		<0.001
B680845		<0.001
B680846		<0.001
B680847		<0.001
B680848		<0.001
B680849		<0.001



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Finalized Date: 16-OCT-2006
Account: METCOR

CERTIFICATE TB06099131

Project: NORTH ROCK

P.O. No.:

This report is for 14 GRAB samples submitted to our lab in Thunder Bay, ON, Canada on 5-OCT-2006.

The following have access to data associated with this certificate:

MITCH DUMOULIN

AUBREY J. EVELEIGH

A.D. MACTAVISH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	27 element four acid ICP-AES	ICP-AES
PGM-MS24	Pt, Pd and Au 50g FA ICP-MS	ICP-MS

To: METAL CORP LTD
ATTN: AUBREY J. EVELEIGH
309 S COURT ST
THUNDER BAY ON P7B 2Y1

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Keith Rogers, Executive Manager Vancouver Laboratory



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CERTIFICATE OF ANALYSIS TB06099131

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg
		kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01	0.01
C126052		1.24	<0.5	4.40	5	30	<0.5	<2	7.65	<0.5	71	771	1120	15.60	0.30	4.96
C126053		2.01	2.1	6.12	6	100	0.8	<2	5.72	<0.5	427	992	8090	17.75	0.93	1.35
C126054		1.41	<0.5	9.57	6	60	<0.5	<2	6.94	<0.5	23	14	57	5.70	0.23	1.49
C126055		1.90	<0.5	7.36	<5	50	<0.5	<2	7.09	<0.5	55	144	235	10.65	0.24	3.77
C126056		1.33	<0.5	10.25	6	50	<0.5	<2	8.62	<0.5	32	21	34	6.50	0.27	2.45
C126057		1.90	<0.5	9.85	9	100	<0.5	<2	7.35	<0.5	21	21	70	4.74	0.55	1.67
C126058		1.13	<0.5	3.27	12	20	0.9	<2	5.80	<0.5	89	1120	172	10.95	0.06	11.25
C126059		3.63	<0.5	2.84	<5	40	0.7	<2	7.08	<0.5	77	1130	26	19.50	0.34	5.05
C126060		1.57	<0.5	6.09	<5	130	0.5	<2	5.57	<0.5	38	15	191	11.55	0.48	2.09
C126061		1.92	<0.5	12.25	<5	210	<0.5	<2	0.46	<0.5	60	894	212	6.97	1.42	0.61
C126062		1.69	<0.5	3.01	10	50	0.8	<2	10.45	<0.5	89	1090	44	11.50	0.21	6.07
C126063		1.45	<0.5	2.49	10	20	0.6	<2	5.25	<0.5	99	1220	196	10.65	0.03	11.45
C126064		2.94	<0.5	7.48	7	60	<0.5	<2	6.94	<0.5	46	78	66	8.48	0.27	3.68
C126065		2.34	<0.5	7.36	7	120	<0.5	<2	6.55	<0.5	45	87	106	8.97	0.50	3.63



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CERTIFICATE OF ANALYSIS TB06099131

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24	
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.001	0.0005
C126052		1670	<1	0.70	277	600	<2	0.08	<5	21	0.91	1280	<10	48	0.016	0.0090
C126053		1075	5	1.76	1420	430	<2	4.79	<5	80	0.80	231	<10	87	0.312	0.0041
C126054		885	<1	2.77	34	100	2	0.02	<5	138	0.45	272	<10	56	0.003	0.0008
C126055		1605	<1	1.72	95	550	6	0.22	<5	130	0.92	406	10	122	0.002	0.0005
C126056		956	<1	2.04	67	60	<2	0.01	<5	165	0.39	243	<10	67	0.001	0.0009
C126057		800	1	2.55	39	60	<2	0.06	<5	191	0.21	153	<10	90	0.001	0.0012
C126058		1930	<1	0.49	1020	430	<2	0.05	<5	81	0.72	191	<10	145	0.001	0.0048
C126059		1275	<1	0.55	620	420	<2	0.07	<5	32	0.69	172	<10	67	0.004	0.0050
C126060		1745	1	1.51	33	1860	<2	0.42	<5	102	1.14	201	<10	165	0.002	<0.0005
C126061		1140	<1	1.68	84	90	2	0.91	<5	147	1.04	473	<10	56	0.003	0.0060
C126062		1540	<1	0.63	986	340	<2	0.11	<5	26	0.68	173	<10	48	0.002	0.0057
C126063		1610	<1	0.10	1150	490	<2	0.15	<5	123	0.71	163	<10	103	0.002	0.0035
C126064		1570	<1	1.50	79	240	<2	0.03	<5	112	0.46	254	<10	76	0.002	0.0192
C126065		1955	<1	1.38	73	250	<2	0.02	<5	121	0.38	246	<10	136	0.003	0.0033



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CERTIFICATE OF ANALYSIS TB06099131

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
C126052		0.009
C126053		0.038
C126054		0.001
C126055		0.001
C126056		<0.001
C126057		<0.001
C126058		0.004
C126059		0.005
C126060		<0.001
C126061		0.004
C126062		0.007
C126063		0.004
C126064		0.021
C126065		0.004