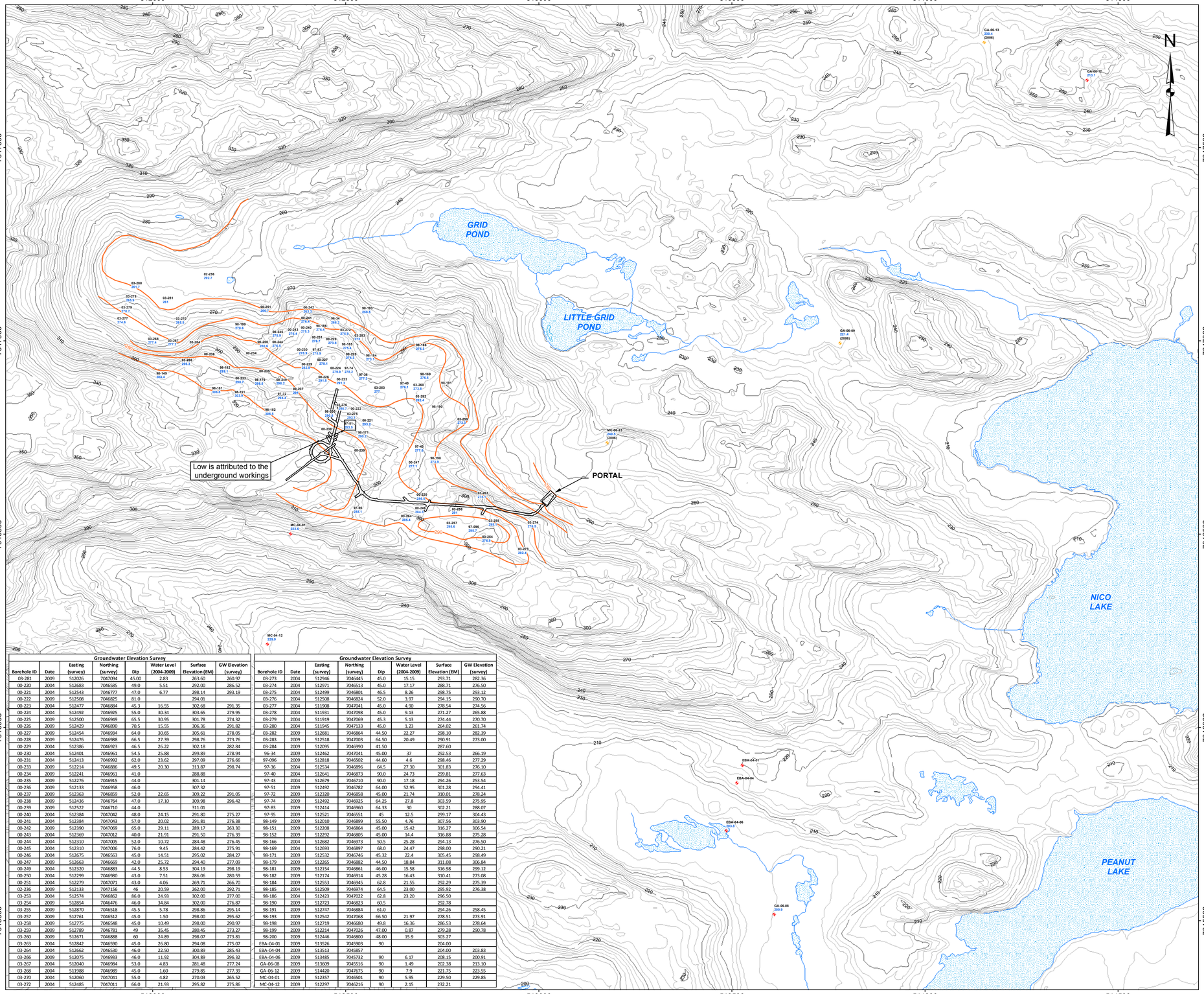
ATTACHMENT D

Borehole Locations and Groundwater Elevations



LEGEND

- Standpipe Piezometer or Open Hole (Data from 2004)
- Standpipe Piezometer or Open Hole (Data from 2009)
- Vibrating Wire Piezometer
- Decline Ramp and Portal
- Groundwater Elevation Contours
- Contour - *2 m Interval*
- Contour - *10 m Interval*

NOTES

1. **00-233** - Standpipe Piezometer or Open Hole
   298.74 - Groundwater Elevation data from 2004 (masl)
2. **03-281** - Standpipe Piezometer or Open Hole
   260.97 - Groundwater Elevation data from 2009 (masl)
3. Base on hydrologic data, the 2004 and 2009 data were used complimentary because of their similarity and to provide more points for contouring, based on review and hydrographs.
4. Most of the drillholes are inclined, however the offsets between collar and water table are considered minimal enough, for purposes of this waterlevel contouring exercise, to be ignored.
5. Collar elevations are based on the survey data provided by Fortune Minerals Limited

REFERENCE

- Topographic mapping obtained from Eagle Mapping, Fortune Minerals Limited, 2006 (File: Basemapping (FML, 20060718).dwg)
Projection: UTM Zone11 Datum: NAD 83

100 0 500
METRES

Groundwater Elevation Survey

Borehole ID	Date	Easting (survey)	Northing (survey)	Dip	Water Level (2004-2009)	Surface Elevation (EM)	GW Elevation (survey)
03-281	2009	512026	7047094	45.00	2.83	263.60	260.97
00-220	2004	512683	7046585	49.0	5.51	292.00	286.52
00-221	2004	512543	7046777	47.0	6.77	298.14	293.19
00-222	2009	512508	7046825	81.0		294.01	
00-223	2004	512477	7046884	45.3	16.55	302.68	291.35
00-224	2004	512492	7046925	55.0	30.34	303.65	279.95
00-225	2009	512500	7046949	65.5	30.95	301.78	274.32
00-226	2009	512429	7046890	70.5	15.55	306.36	291.82
00-227	2009	512454	7046934	64.0	30.65	305.61	278.05
00-228	2009	512476	7046988	66.5	27.39	298.76	273.76
00-229	2004	512386	7046923	46.5	26.22	302.18	282.84
00-230	2004	512401	7046961	54.5	25.88	299.89	278.94
00-231	2004	512413	7046992	62.0	23.62	297.09	276.66
00-233	2009	512214	7046886	49.5	20.30	313.87	298.74
00-234	2009	512241	7046961	41.0		288.88	
00-235	2009	512276	7046915	44.0		301.14	
00-236	2009	512133	7046958	46.0		307.32	
00-237	2009	512363	7046859	52.0	22.65	309.22	291.05
00-238	2009	512436	7046764	47.0	17.10	309.98	296.42
00-239	2009	512522	7046710	44.0		311.01	
00-240	2004	512384	7047042	48.0	24.15	291.80	275.27
00-241	2004	512384	7047043	57.0	20.02	291.81	276.38
00-242	2009	512390	7047069	65.0	29.11	289.17	263.30
00-243	2004	512369	7047012	40.0	21.91	291.50	276.39
00-244	2004	512310	7047005	52.0	10.72	284.48	276.45
00-245	2004	512310	7047006	76.0	9.45	284.42	275.91
00-246	2004	512675	7046563	45.0	14.51	295.02	284.27
00-247	2009	512663	7046669	42.0	25.72	294.40	277.09
00-249	2004	512320	7046883	44.5	8.53	304.19	298.19
00-250	2004	512299	7046980	43.0	7.51	286.06	280.59
00-251	2004	512279	7047071	43.0	4.06	269.71	266.70
02-236	2009	512133	7047156	46	20.59	262.00	292.71
03-253	2004	512574	7046862	86.0	24.93	302.00	277.00
03-254	2009	512854	7046476	46.0	34.84	302.00	276.87
03-255	2009	512870	7046518	45.5	5.78	298.86	295.14
03-257	2009	512761	7046512	45.0	1.50	298.00	295.62
03-258	2009	512775	7046548	45.0	10.49	298.00	290.97
03-259	2009	512789	7046781	49	35.45	280.45	273.27
03-260	2009	512671	7046888	60	24.89	298.07	273.81
03-263	2004	512842	7046590	45.0	26.80	294.08	275.07
03-264	2004	512662	7046530	46.0	22.50	300.89	285.43
03-266	2009	512075	7046933	46.0	11.92	304.89	296.32
03-267	2004	512040	7046984	53.0	4.83	281.48	277.24
03-268	2004	511988	7046989	45.0	1.60	279.85	277.39
03-270	2004	512060	7047041	55.0	4.82	270.03	265.52
03-272	2004	512485	7047011	66.0	21.93	295.82	275.86

Groundwater Elevation Survey

Borehole ID	Date	Easting (survey)	Northing (survey)	Dip	Water Level (2004-2009)	Surface Elevation (EM)	GW Elevation (survey)
03-273	2004	512946	7046445	45.0	15.15	293.71	282.36
03-274	2004	512971	7046513	45.0	17.17	288.71	276.50
03-275	2004	512499	7046801	46.5	8.26	298.75	293.12
03-276	2004	512508	7046824	52.0	3.97	294.15	290.70
03-277	2004	511908	7047041	45.0	4.90	278.54	274.56
03-278	2004	511931	7047098	45.0	9.13	271.27	265.88
03-279	2004	511919	7047069	45.3	5.13	274.44	270.70
03-280	2004	511945	7047113	45.0	1.23	264.02	261.74
03-282	2009	512681	7046864	44.50	22.27	298.10	282.39
03-283	2009	512518	7047003	64.50	20.49	290.91	273.00
03-284	2009	512095	7046990	41.50		287.60	
96-34	2009	512462	7047041	45.00	37	292.53	266.19
97-096	2009	512818	7046502	44.60	4.6	298.46	277.29
97-36	2004	512534	7046896	64.5	27.30	301.83	276.10
97-40	2004	512641	7046873	90.0	24.73	299.81	277.63
97-43	2004	512679	7046710	90.0	17.18	294.26	253.54
97-51	2009	512492	7046782	64.00	52.95	301.28	294.41
97-72	2009	512320	7046858	45.00	21.74	310.01	278.24
97-74	2009	512492	7046925	64.25	27.8	303.59	275.95
97-83	2009	512414	7046960	64.33	30	302.21	288.07
97-95	2009	512521	7046551	45	12.5	299.17	304.43
98-149	2009	512010	7046899	55.50	4.76	307.56	303.90
98-151	2009	512208	7046864	45.00	15.42	316.27	306.54
98-152	2009	512292	7046805	45.00	14.4	316.88	275.28
98-166	2004	512682	7046973	50.5	25.28	294.13	276.50
98-169	2004	512693	7046897	68.0	24.47	298.00	290.21
98-171	2009	512532	7046746	45.32	22.4	305.45	298.49
98-179	2009	512265	7046882	44.50	18.84	311.08	306.84
98-181	2009	512154	7046861	46.00	15.58	316.98	299.12
98-182	2009	512174	7046914	45.28	16.43	310.41	273.08
98-184	2009	512553	7046945	62.8	21.55	292.29	275.39
98-185	2004	512509	7046974	64.5	23.00	295.92	276.38
98-186	2004	512423	7047022	62.8	23.20	296.50	
98-190	2009	512723	7046823	60.5		292.78	
98-191	2009	512747	7046884	61.0		294.26	258.45
98-193	2009	512542	7047068	66.50	21.97	278.51	273.91
98-198	2009	512719	7046680	49.8	16.36	286.53	278.64
98-199	2009	512214	7047026	47.00	0.87	279.28	290.78
98-200	2009	512446	7046800	48.00	15.9	303.27	
EBA-04-01	2009	513526	7045903	90		204.00	
EBA-04-04	2009	513513	7045857			204.00	203.83
EBA-04-06	2009	513485	7045732	90	6.17	208.15	200.91
GA-06-08	2009	513609	7045516	90	1.49	202.38	213.10
GA-06-12	2009	514420	7047675	90	7.9	221.75	223.55
MC-04-01	2009	512357	7046601	90	5.95	229.50	229.85
MC-04-12	2009	512297	7046216	90	2.15	232.21	

PROJECT
FORTUNE MINERALS LIMITED
NICO COBALT-GOLD-BISMUTH-COPPER PROJECT

TITLE
BOREHOLE LOCATIONS AND GROUNDWATER ELEVATIONS

Golder Associates
Edmonton, Alberta

Filename: BorholeLocations_GWElevations.mxd

PROJECT NO. 11-1118-0066			SCALE AS SHOWN	REV. 0
DESIGN	SC	14 Jan. 2009	NRCAN 1-9	
GIS	SC	25 Nov. 2011		
CHECK	LB	25 Nov. 2011	FIGURE: 2	
REVIEW	MR	25 Nov. 2011		

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