



Certificate of Analysis

Work Order : SU1401460

[Report File No.: 0000002834]

To: **Stephen Marshfield**
GLENCORE CANADA CORPORATION
SUDBURY INTEGRATED NICKEL OPERATIONS
6 EDISON RD
FALCONBRIDGE ON P0M 1S0

Date: Dec 16, 2014

P.O. No. : PO#: 4500406498
Project No. : FRASER
No. Of Samples : 38
Date Submitted : Dec 05, 2014
Report Comprises : Pages 1 to 5
(Inclusive of Cover Sheet)

Distribution of unused material:

To Be Stored:

Comments:

Sample Preparation and Specific Gravity analyses were performed at the SGS Sudbury site.
Replicate Duplicate results outside acceptance criteria due to high probability of coarse gold

Certified By :

Debbie Waldon
Project Coordinator

SGS Minerals Services (Lakefield) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Element Method Det.Lim. Units	Au@ GO_FAI303 g/t	Pd@ GO_FAI303 g/t	Pt@ GO_FAI303 g/t	Ni GO_ICP90V %	Cu GO_ICP90V %	Co GO_ICP90V %	MgO GO_ICP90V %	S GO_ICP90V %
NRD-027C-001	<0.02	0.10	0.12	0.020	0.195	0.005	5.44	0.42
NRD-027C-002	0.03	0.03	0.05	0.020	0.190	0.005	5.48	0.55
NRD-027C-003	<0.02	<0.02	<0.02	0.006	0.020	0.005	5.87	0.16
NRD-027C-004	0.10	0.22	0.22	0.029	0.251	0.003	4.03	0.35
NRD-027C-005	<0.02	<0.02	<0.02	0.007	0.022	0.003	4.28	0.12
NRD-027C-006	<0.02	<0.02	<0.02	0.026	0.032	0.005	5.90	0.15
NRD-027C-007	0.05	0.07	0.05	0.024	0.441	0.002	3.46	0.53
NRD-027C-008	<0.02	<0.02	<0.02	<0.005	0.034	0.002	2.81	0.13
NRD-027C-009	<0.02	<0.02	<0.02	0.007	0.110	<0.002	3.56	0.23
NRD-027C-010	<0.02	<0.02	<0.02	<0.005	0.008	<0.002	2.91	0.12
NRD-027C-011	<0.02	<0.02	<0.02	<0.005	0.035	<0.002	1.73	0.10
NRD-027C-012	<0.02	<0.02	<0.02	<0.005	0.107	<0.002	0.99	0.15
NRD-027C-013	<0.02	<0.02	<0.02	<0.005	0.010	<0.002	0.56	0.10
NRD-027C-014	<0.02	<0.02	<0.02	<0.005	0.028	<0.002	1.46	0.08
NRD-027C-015	<0.02	<0.02	<0.02	0.010	0.071	<0.002	4.71	0.16
NRD-027C-016	<0.02	<0.02	<0.02	0.007	0.009	0.002	2.63	0.09
NRD-027C-017	<0.02	<0.02	<0.02	<0.005	0.019	<0.002	0.91	0.10
NRD-027C-018	0.06	<0.02	<0.02	0.269	4.26	0.007	2.99	3.60
NRD-027C-019	<0.02	<0.02	<0.02	0.091	0.294	0.009	6.15	0.23
NRD-027C-020	0.08	<0.02	<0.02	1.21	4.78	0.018	4.13	4.63
NRD-027C-021	0.02	<0.02	<0.02	0.048	1.39	0.005	6.24	1.21
NRD-027C-022	0.03	<0.02	<0.02	0.054	0.556	0.006	8.89	0.59
NRD-027C-023	<0.02	<0.02	<0.02	0.039	0.359	0.006	9.22	0.53
NRD-027C-024	0.15	0.42	0.69	1.75	1.66	0.038	2.29	10.7
NRD-027C-025	<0.02	<0.02	0.11	0.073	18.9	0.007	3.18	19.2
NRD-027C-026	<0.02	<0.02	<0.02	0.041	0.369	0.006	9.17	0.48
NRD-027C-027	<0.02	<0.02	<0.02	0.034	0.154	0.007	9.93	0.48
NRD-027C-028	<0.02	<0.02	<0.02	0.034	0.276	0.007	9.83	0.42
NRD-027C-029	<0.02	<0.02	<0.02	0.032	0.314	0.004	5.75	0.36
NRD-027C-030	<0.02	0.04	<0.02	0.045	1.63	<0.002	1.67	1.59
NRD-027C-031	<0.02	<0.02	<0.02	0.010	0.090	0.002	3.05	0.12
NRD-027C-032	<0.02	<0.02	<0.02	0.051	0.317	0.004	2.45	0.35
NRD-027C-033	0.02	<0.02	<0.02	0.160	2.07	0.004	1.18	2.05
NRD-027C-034	0.07	<0.02	<0.02	0.042	0.396	0.003	1.55	0.41
*Dup NRD-027C-034	<0.02	<0.02	<0.02	0.042	0.395	0.003	1.57	0.41
NRD-027C-035	<0.02	<0.02	<0.02	0.045	1.45	0.004	2.53	1.45
NRD-027C-036	<0.02	<0.02	<0.02	<0.005	0.115	0.003	4.42	0.24
NRD-027C-037	<0.02	<0.02	<0.02	0.038	1.00	0.003	3.76	1.02
NRD-027C-038	<0.02	<0.02	<0.02	<0.005	0.075	0.003	4.17	0.10

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Element Method Det.Lim. Units	Au@ GO_FAI303 0.02 g/t	Pd@ GO_FAI303 0.02 g/t	Pt@ GO_FAI303 0.02 g/t	Ni GO_ICP90V 0.005 %	Cu GO_ICP90V 0.005 %	Co GO_ICP90V 0.002 %	MgO GO_ICP90V 0.01 %	S GO_ICP90V 0.01 %
*Rep NRD-027C-013	<0.02	<0.02	<0.02					
*Std CDN-PGMS-24	0.76	4.96	1.10					
*Std CDN-PGMS-25	0.49	1.87	0.43					
*Rep NRD-027C-005				0.006	0.022	0.003	4.35	0.13
*Std GBM306-14				3.36	1.70	0.013	1.82	3.24
*Std TPO-1				0.622	0.124	0.019	2.71	18.1

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Element Method Det.Lim. Units	@Ag GE_AAS21E 0.3 g/t	Sg G_PHY03V 0.01 sg
NRD-027C-001	0.8	3.06
NRD-027C-002	<0.3	2.97
NRD-027C-003	<0.3	3.00
NRD-027C-004	2.7	2.88
NRD-027C-005	<0.3	2.88
NRD-027C-006	<0.3	2.99
NRD-027C-007	1.0	2.84
NRD-027C-008	<0.3	2.78
NRD-027C-009	<0.3	2.82
NRD-027C-010	<0.3	2.81
NRD-027C-011	<0.3	2.74
NRD-027C-012	<0.3	2.73
NRD-027C-013	<0.3	2.70
NRD-027C-014	<0.3	2.72
NRD-027C-015	<0.3	2.88
NRD-027C-016	<0.3	2.82
NRD-027C-017	<0.3	2.71
NRD-027C-018	11.4	3.01
NRD-027C-019	1.6	2.96
NRD-027C-020	9.5	3.13
NRD-027C-021	1.7	3.03
NRD-027C-022	0.6	3.16
NRD-027C-023	<0.3	3.12
NRD-027C-024	4.7	3.14
NRD-027C-025	0.6	3.54
NRD-027C-026	<0.3	3.06
NRD-027C-027	<0.3	3.16
NRD-027C-028	<0.3	3.13
NRD-027C-029	<0.3	2.96
NRD-027C-030	0.5	2.95
NRD-027C-031	0.8	2.91
NRD-027C-032	<0.3	2.89
NRD-027C-033	0.7	2.90
NRD-027C-034	<0.3	2.87
*Dup NRD-027C-034	<0.3	2.86
NRD-027C-035	<0.3	2.95
NRD-027C-036	<0.3	2.92
NRD-027C-037	<0.3	2.98
NRD-027C-038	<0.3	2.90
*Rep NRD-027C-012		2.70

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Element	@Ag	Sg
Method	GE_AAS21E	G_PHY03V
Det.Lim.	0.3	0.01
Units	g/t	sg
*Rep NRD-027C-025		3.57
*Rep NRD-027C-037		2.98
*Rep NRD-027C-038		2.89
*Rep NRD-027C-006	<0.3	
*Std GBM398-4	48.6	
*Std GBM306-14	6.3	

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Certificate of Analysis

Work Order : SU1401461

[Report File No.: 000002835]

To: **Stephen Marshfield**
GLENCORE CANADA CORPORATION
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6 EDISON RD
FALCONBRIDGE ON P0M 1S0

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Project Coordinator

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Element Method Det.Lim. Units	Au@ GO_FAI303 0.02 g/t	Pd@ GO_FAI303 0.02 g/t	Pt@ GO_FAI303 0.02 g/t	Ni GO_ICP90V 0.005 %	Cu GO_ICP90V 0.005 %	Co GO_ICP90V 0.002 %	MgO GO_ICP90V 0.01 %	S GO_ICP90V 0.01 %
NRD-027C-039	<0.02	<0.02	<0.02	<0.005	0.018	<0.002	1.23	0.10
NRD-027C-040	<0.02	<0.02	<0.02	0.005	0.005	0.003	5.07	0.15
NRD-027C-041	0.52	3.83	2.42	0.313	4.15	0.004	1.53	4.48
NRD-027C-042	<0.02	<0.02	<0.02	0.025	0.186	0.004	4.64	0.33
NRD-027C-043	<0.02	0.02	0.04	0.036	0.374	0.004	4.47	0.53
NRD-027C-044	<0.02	<0.02	<0.02	0.008	0.016	0.004	4.87	0.17
NRD-027C-045	<0.02	<0.02	0.02	0.033	0.409	<0.002	2.33	0.49
NRD-027C-046	<0.02	<0.02	<0.02	0.032	0.129	0.003	7.15	0.20
NRD-027C-047	<0.02	<0.02	<0.02	0.018	0.005	0.003	8.56	0.08
NRD-027C-048	<0.02	<0.02	<0.02	<0.005	0.007	<0.002	1.06	0.08
NRD-027C-049	<0.02	<0.02	<0.02	<0.005	0.026	<0.002	1.80	0.13
NRD-027C-050	0.05	0.09	0.09	0.020	0.166	0.004	4.75	0.36
NRD-027C-051	<0.02	<0.02	<0.02	0.010	0.051	0.004	4.42	0.23
NRD-027C-052	<0.02	<0.02	<0.02	0.016	0.169	0.004	5.11	0.37
NRD-027C-053	<0.02	<0.02	<0.02	0.014	0.101	0.003	5.04	0.26
NRD-027C-054	<0.02	0.03	0.02	0.036	0.505	0.004	3.58	0.64
NRD-027C-055	<0.02	<0.02	0.02	0.011	0.064	0.004	5.68	0.27
NRD-027C-056	<0.02	0.03	<0.02	0.080	0.611	0.004	5.75	0.74
NRD-027C-057	<0.02	<0.02	<0.02	0.013	0.230	0.004	4.96	0.36
NRD-027C-058	<0.02	<0.02	<0.02	0.026	0.247	0.004	8.91	0.50
NRD-027C-059	<0.02	0.06	0.03	0.027	0.886	0.002	4.32	0.93
NRD-027C-060	<0.02	<0.02	<0.02	<0.005	0.021	<0.002	1.06	0.13
NRD-027C-061	<0.02	<0.02	<0.02	0.015	0.039	<0.002	0.92	0.10
NRD-027C-062	<0.02	<0.02	<0.02	0.048	0.520	<0.002	1.29	0.54
NRD-027C-063	<0.02	<0.02	<0.02	<0.005	0.036	<0.002	0.92	0.12
NRD-027C-064	0.02	0.03	0.08	0.026	17.4	<0.002	0.38	17.2
NRD-027C-065	<0.02	<0.02	<0.02	<0.005	0.017	<0.002	0.79	0.10
NRD-027C-066	<0.02	<0.02	<0.02	<0.005	0.035	<0.002	0.67	0.10
NRD-027C-067	<0.02	<0.02	<0.02	0.046	0.777	0.003	5.30	0.82
NRD-027C-068	<0.02	<0.02	<0.02	0.016	0.145	0.003	4.49	0.19
NRD-027C-069	<0.02	<0.02	<0.02	0.032	0.236	0.004	5.72	0.26
NRD-027C-070	0.02	<0.02	<0.02	0.016	0.065	0.003	5.60	0.10
NRD-027C-071	0.03	0.04	<0.02	0.056	0.444	0.003	5.03	0.42
NRD-027C-072	<0.02	<0.02	<0.02	0.010	0.043	0.002	3.69	0.16
*Dup NRD-027C-072	<0.02	<0.02	<0.02	0.010	0.040	0.003	3.88	0.18
NRD-027C-073	<0.02	<0.02	0.03	0.311	7.45	0.007	6.04	7.55
NRD-027C-074	<0.02	<0.02	<0.02	0.058	0.575	0.004	7.03	0.63
NRD-027C-075	0.49	3.62	2.33	0.319	4.12	0.003	1.53	4.51

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Element Method Det.Lim. Units	Au@ GO_FAI303 0.02 g/t	Pd@ GO_FAI303 0.02 g/t	Pt@ GO_FAI303 0.02 g/t	Ni GO_ICP90V 0.005 %	Cu GO_ICP90V 0.005 %	Co GO_ICP90V 0.002 %	MgO GO_ICP90V 0.01 %	S GO_ICP90V 0.01 %
*Rep NRD-027C-053	<0.02	<0.02	<0.02					
*Std CDN-PGMS-24	0.85	5.12	1.10					
*Std CDN-PGMS-25	0.50	1.94	0.42					
*Rep NRD-027C-053				0.014	0.099	0.004	4.93	0.28
*Std GBM306-14				3.42	1.72	0.013	1.83	3.26
*Std TPO-1				0.627	0.124	0.019	2.69	18.9

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Element Method Det.Lim. Units	@Ag GE_AAS21E 0.3 g/t	Sg G_PHY03V 0.01 sg
NRD-027C-039	<0.3	2.76
NRD-027C-040	<0.3	2.86
NRD-027C-041	11.2	2.88
NRD-027C-042	<0.3	3.01
NRD-027C-043	0.3	3.02
NRD-027C-044	<0.3	2.97
NRD-027C-045	0.7	2.77
NRD-027C-046	<0.3	2.92
NRD-027C-047	<0.3	2.96
NRD-027C-048	<0.3	2.73
NRD-027C-049	<0.3	2.77
NRD-027C-050	<0.3	2.97
NRD-027C-051	<0.3	2.98
NRD-027C-052	<0.3	2.96
NRD-027C-053	<0.3	2.92
NRD-027C-054	0.5	2.97
NRD-027C-055	<0.3	3.04
NRD-027C-056	0.6	3.01
NRD-027C-057	<0.3	2.97
NRD-027C-058	<0.3	3.03
NRD-027C-059	0.5	2.87
NRD-027C-060	<0.3	2.71
NRD-027C-061	<0.3	2.76
NRD-027C-062	<0.3	2.78
NRD-027C-063	<0.3	2.75
NRD-027C-064	2.9	3.29
NRD-027C-065	<0.3	2.72
NRD-027C-066	<0.3	2.70
NRD-027C-067	<0.3	2.93
NRD-027C-068	<0.3	2.90
NRD-027C-069	<0.3	3.03
NRD-027C-070	<0.3	2.96
NRD-027C-071	1.6	2.95
NRD-027C-072	<0.3	2.87
*Dup NRD-027C-072	<0.3	2.89
NRD-027C-073	0.3	3.19
NRD-027C-074	0.5	3.01
NRD-027C-075	12.3	2.90
*Rep NRD-027C-050		2.95
*Rep NRD-027C-063		2.72

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Report File No.: 0000002835

Element	@Ag	Sg
Method	GE_AAS21E	G_PHY03V
Det.Lim.	0.3	0.01
Units	g/t	sg
*Rep NRD-027C-075		2.91
*Rep NRD-027C-048	<0.3	
*Std GBM398-4	46.9	
*Std GBM306-14	6.7	

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Certificate of Analysis

Work Order : SU1401462

[Report File No.: 0000002851]

To: **Stephen Marshfield**
GLENCORE CANADA CORPORATION
SUDBURY INTEGRATED NICKEL OPERATIONS
6 EDISON RD
FALCONBRIDGE ON P0M 1S0

Date: Dec 17, 2014

P.O. No. : PO#: 4500406498
Project No. : FRASER
No. Of Samples : 25
Date Submitted : Dec 05, 2014
Report Comprises : Pages 1 to 3
(Inclusive of Cover Sheet)

Distribution of unused material:

To Be Stored:

Comments:

Sample Preparation and Specific Gravity analyses were performed at the SGS Sudbury site.

Certified By :

Debbie Waldon
Project Coordinator

SGS Minerals Services (Lakefield) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Element Method Det.Lim. Units	Au@ GO_FAI303 g/t	Pd@ GO_FAI303 g/t	Pt@ GO_FAI303 g/t	Ni GO_ICP90V %	Cu GO_ICP90V %	Co GO_ICP90V %	MgO GO_ICP90V %	S GO_ICP90V %
NRD-027C-076	0.03	<0.02	<0.02	0.045	0.542	0.002	5.26	0.39
NRD-027C-077	0.02	<0.02	<0.02	0.019	0.301	0.003	6.47	0.18
NRD-027C-078	<0.02	<0.02	<0.02	0.055	0.066	0.005	8.44	0.14
NRD-027C-079	0.13	0.08	0.04	0.099	0.901	0.002	4.19	0.76
NRD-027C-080	0.03	<0.02	<0.02	0.012	0.093	<0.002	1.20	0.12
NRD-027C-081	<0.02	<0.02	<0.02	0.007	0.032	<0.002	2.26	0.09
NRD-027C-082	<0.02	0.03	<0.02	0.013	0.103	<0.002	1.95	0.15
NRD-027C-083	<0.02	<0.02	<0.02	0.026	0.072	<0.002	1.29	0.08
NRD-027C-084	0.18	0.13	0.08	0.103	0.704	<0.002	2.46	0.68
NRD-027C-085	<0.02	<0.02	<0.02	0.014	0.038	0.003	5.96	0.07
NRD-027C-086	0.79	0.03	0.03	0.063	3.24	<0.002	3.52	1.35
NRD-027C-087	<0.02	<0.02	<0.02	0.013	0.066	0.003	6.12	0.12
NRD-027C-088	0.04	0.05	0.08	0.154	15.8	0.002	2.33	15.3
NRD-027C-089	<0.02	0.04	0.02	0.033	0.920	0.003	5.18	0.93
NRD-027C-090	<0.02	<0.02	<0.02	0.008	0.027	<0.002	3.14	0.08
NRD-027C-091	<0.02	<0.02	<0.02	0.005	0.016	<0.002	1.54	0.11
NRD-027C-092	<0.02	<0.02	<0.02	<0.005	0.018	<0.002	0.87	0.12
NRD-027C-093	0.04	0.07	0.03	0.071	1.29	<0.002	3.18	1.32
NRD-027C-094	<0.02	0.03	0.03	0.133	0.423	0.002	2.95	0.50
NRD-027C-095	0.09	<0.02	<0.02	0.029	0.210	<0.002	4.11	0.24
NRD-027C-096	<0.02	<0.02	<0.02	0.007	0.072	<0.002	1.42	0.12
NRD-027C-097	<0.02	<0.02	<0.02	<0.005	0.017	<0.002	1.18	0.07
NRD-027C-098	<0.02	0.02	0.03	0.009	0.016	0.005	5.98	0.13
NRD-027C-099	0.33	0.18	0.27	0.288	0.622	0.009	5.88	0.79
NRD-027C-100	<0.02	0.02	0.03	0.010	0.016	0.005	6.08	0.12
*Rep NRD-027C-077	0.02	<0.02	<0.02					
*Std CDN-PGMS-24	0.77	5.02	1.09					
*Std CDN-PGMS-25	0.49	1.89	0.40					
*Rep NRD-027C-085				0.015	0.038	0.003	5.90	0.07
*Std GBM306-14				3.44	1.70	0.013	1.80	3.22
*Std TPO-1				0.607	0.129	0.018	2.61	18.3

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 Report File No.: 0000002851

Element Method Det.Lim. Units	@Ag GE_AAS21E 0.3 g/t	Sg G_PHY03V 0.01 sg
NRD-027C-076	1.3	2.91
NRD-027C-077	3.0	2.91
NRD-027C-078	<0.3	2.89
NRD-027C-079	7.1	2.84
NRD-027C-080	<0.3	2.71
NRD-027C-081	<0.3	2.74
NRD-027C-082	<0.3	2.77
NRD-027C-083	<0.3	2.75
NRD-027C-084	1.0	2.86
NRD-027C-085	<0.3	2.95
NRD-027C-086	30.0	2.93
NRD-027C-087	<0.3	2.97
NRD-027C-088	2.8	3.33
NRD-027C-089	<0.3	2.95
NRD-027C-090	<0.3	2.82
NRD-027C-091	<0.3	2.74
NRD-027C-092	<0.3	2.69
NRD-027C-093	0.7	2.84
NRD-027C-094	<0.3	2.79
NRD-027C-095	0.9	2.84
NRD-027C-096	<0.3	2.75
NRD-027C-097	<0.3	2.73
NRD-027C-098	<0.3	3.03
NRD-027C-099	3.2	3.02
NRD-027C-100	<0.3	3.03
*Rep NRD-027C-087		2.97
*Rep NRD-027C-100		3.04
*Rep NRD-027C-083	<0.3	
*Std GBM398-4	48.2	
*Std GBM306-14	7.1	

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