



Mines

GEOCHEMICAL DATA FROM AVALON ZONE SEDIMENTARY ROCKS

J.G. Hinchey

Open File NFLD/3228

**St. John's, Newfoundland
October, 2013**

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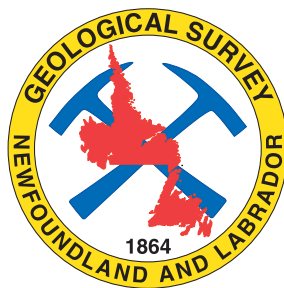


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CONTENTS

	Page
SUMMARY	1
REFERENCES	2
APPENDIX A - Outcrop Geochemical Data	3
APPENDIX B - Drillhole Geochemical Data	31
APPENDIX C - Table 1. Drillhole locational information	45
APPENDIX D - Table 2a. Major element ICP-ES standards and duplicate data	46
APPENDIX E - Table 2b. Trace element ICP-ES standards and duplicate data	47
APPENDIX F - Table 2c. Trace element ICP-MS standards and duplicate data	48

SUMMARY

This data release consists of whole-rock geochemical data from sedimentary rocks from the Avalon (tectonic) zone, Newfoundland. Samples were collected as part of a mineral deposit study focused on sedimentary-hosted stratiform copper (SSC) potential of reduced sedimentary units within the Avalon Zone. The most studied and explored example of this style of mineralization on the island is the Blue Point reduced and mineralized horizon within the Crown Hill Formation, Bonavista Peninsula; numerous other smaller examples are found throughout the Avalon Zone. The geological context of these rocks and a description of the regional stratigraphy are contained in reports by Hinchey (2010, 2012), Normore (2010, 2011, 2012), and references therein. There is a sample location bias whereby most of the sampled locations lay within 1:50 000 topographic map area NTS 02C/11, as that area hosts the main Blue Point reduced horizon.

This open file provides no attempt at interpretation of these data; its purpose is to place the data in the public domain (Appendix A and B). Preliminary interpretations of the data are presented in Hinchey (2010, 2012). The present release includes locational data, brief sample descriptions, and major-element and trace-element data. All of these samples were acquired in 2009 and 2010. The data are tabulated below and are also available in digital format, *i.e.*, comma separated value files (*.csv files). The samples include field samples from outcrops and samples collected from diamond-drill core.

Note that the release also includes raw, unprocessed data for several standards completed at the NL Department of Natural Resources laboratory as well as at external commercial laboratories. These may be used by the reader to assess accuracy. Duplicate analyses of selected samples are also included, to assess precision.

Major elements and many trace elements were analyzed at the Department of Natural Resources laboratory by Inductively-coupled-plasma–emission-spectrometry (ICP-ES) methods. Other trace elements, including REE's, were collected on a sub-set of samples and analyzed at Acme Analytical laboratories by Inductively-coupled-plasma–mass-spectrometry (ICP-MS) methods. Analytical method of determination is indicated for each element in Appendix A and B.

Note that the negative value, -99, reported for a given element indicates that it was not analyzed for in the sample, whereas all other negative numbers indicate the concentration of the specific element in the sample was below the detection limit (*e.g.*, -0.01 indicates the measured value was below the detection limit of 0.01). Major elements are reported in weight percent, and trace elements are reported in ppm.

The drillholes that provided samples for analyses were completed by Cornerstone Resources Inc. and Noranda Inc., and the drillcore is now archived within the Department of Natural Resources Core-Storage Program. Information on the drillholes and other units encountered are contained in assessment reports by Dessureault (2002), Graves (2003), Seymour *et al.* (2005) and references therein.

Note that locational data for drillhole samples (Table 1) represents the collar location. The UTM coordinates are based on Zone 22 and NAD27.

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Dessureault, M.

2002: First, second and third year assessment report on geological, geochemical and diamond drilling exploration for licences 6363M-6364M, 7821M, 7866M-7869M, 7938M-7949M, 8023M-8024M, 8096M- 8099M, 8101M and 8329M on claims in the Red Cliff-Port Rexton-Random Island-Deer Harbour area, Bonavista Peninsula and Trinity Bay, Newfoundland. Noranda Incorporated, Cornerstone Resources Incorporated.

Graves, G.

2003: First year, first year supplementary, second, third and fourth year assessment report on geological, geochemical and diamond drilling exploration for licence 6363M-6364M, 7821M, 7867M-7869M, 7939M, 7941M-7945M, 7948M, 8023M-8024M, 8096M-8099M, 8101M, 8329M, 8457M-8468M and 8810M-8812M on claims in the Duntara to Deer Harbour area, eastern Newfoundland, 2 reports. Noranda Incorporated and Cornerstone Resources Incorporated.

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Seymour, C.R., Lane, T.E., Thorson, J. and Franklin, J.F.

2005: Assessment report on mapping, prospecting, soil and rock sampling, Red Cliff Property, Bonavista Peninsula, Newfoundland. Unpublished assessment report submitted to Newfoundland and Labrador Department of Natural Resources. Cornerstone Resources, 276 pages. File NFLD/2900.

Sample Number Method and units	Labnum	UTMEast	UTMNorth	Description_Rock_Type_Unit
09JH002	6840786	328591	5382639	Reduced sandstone - Rocky Harbour Formation
09JH003	6840787	328537	5382549	Reduced sandstone - Rocky Harbour Formation
09JH004A	6840788	328421	5383121	Brook Point facies yellow bed (sabhka or evaporite?) - Crown Hill Formation
09JH008A	6840793	325759	5386531	Red sandstone-siltstone from 12 meters below Blue Point reduced horizon - Crown Hill Formation
09JH008B	6840794	325759	5386531	Red siltstone from 9 meters below Blue Point reduced horizon - Crown Hill Formation
09JH008C	6840795	325759	5386531	Red siltstone with sandy horizons from 6 meters below Blue Point reduced horizon - Crown Hill Formation
09JH008D	6840796	325759	5386531	Red sandstone from 3 meters below Blue Point reduced horizon - Crown Hill Formation
09JH008E	6840797	325759	5386531	Red siltstone from 2 meters below Blue Point reduced horizon - Crown Hill Formation
09JH008F	6840798	325759	5386531	Maroon sandstone from lower transition zone into upper Blue Point reduced horizon - Crown Hill Formation
09JH008G	6840799	325759	5386531	Grey sandstone from the basal 2 meters of the upper Blue Point reduced horizon - Crown Hill Formation
09JH008H	6840801	325759	5386531	Grey sandstone with large pyrite cubes from the bottom portion of the upper Blue Point reduced horizon - Crown Hill Formation
09JH008J	6840803	325759	5386531	Lower section of brown rusty mineralized central section of the upper Blue Point reduced horizon - Crown Hill Formation
09JH008K	6840804	325759	5386531	Grey siltstone from central rusty and mineralized central section of the upper Blue Point reduced horizon - Crown Hill Formation
09JH008L	6840805	325759	5386531	Malacite stained, pyrite-rich grey siltstone from central rusty section of the upper Blue Point reduced horizon - Crown Hill Formation
09JH008M	6840806	325759	5386531	Malacite stained, pyrite-rich grey siltstone from central rusty section of the upper Blue Point reduced horizon - Crown Hill Formation
09JH008N	6840807	325759	5386531	Grey sandstone from above the central rusty and mineralized central section of the Blue Point reduced horizon - Crown Hill Formation
09JH008O	6840808	325759	5386531	Grey sandstone from immediately above the central rusty section of the upper Blue Point reduced horizon - Crown Hill Formation
09JH008P	6840809	325759	5386531	Red sandstone from above the upper Blue Point reduced horizon - Crown Hill Formation
09JH008Q	6840811	325759	5386531	Red sandstone from above the upper Blue Point reduced horizon - Crown Hill Formation
09JH009	6840812	325458	5386054	Red sandstone from below the Blue Point reduced horizon - Crown Hill Formation
09JH010	6840813	325471	5386079	Red sandstone from below the Blue Point reduced horizon - Crown Hill Formation
09JH011	6840802	325487	5386112	Grey siltstone from the lower Blue Point reduced horizon - Crown Hill Formation
09JH012	6840814	325494	5386112	Grey to brown siltstone with abundant pyrite from the upper Blue Point reduced horizon - Crown Hill Formation
09JH013	6840815	325455	5386186	Grey sandstone from top portion of upper Blue Point reduced horizon - Crown Hill Formation
09JH014	6840816	325531	5386396	Red siltstone from above the Blue Point reduced horizon - Crown Hill Formation
09JH015	6840817	324931	5386019	Red conglomerate - Crown Hill Formation
09JH016A	6840818	325700	5385117	Red sandstone from below the upper Blue Point reduced horizon - Crown Hill Formation
09JH016B	6840819	325700	5385117	Grey sandstone from upper Blue Point reduced horizon - Crown Hill Formation
09JH016C	6840821	325700	5385117	Red sandstone from above the upper Blue Point reduced horizon - Crown Hill Formation
09JH017	6840822	324059	5385499	Red siltstone from above the upper Blue Point reduced horizon - Crown Hill Formation
09JH018	6840823	324048	5385485	Maroon siltstone from above the upper Blue Point reduced horizon - Crown Hill Formation
09JH019	6840824	324024	5385479	Grey sandstone from the upper Blue Point reduced horizon - Crown Hill Formation
09JH020	6840825	323843	5385267	Red sandstone from below the upper Blue Point reduced horizon - Crown Hill Formation
09JH021	6840826	322946	5385005	Red sandstone from below the upper Blue Point reduced horizon - Crown Hill Formation
09JH022	6840827	322959	5385047	Grey siltstone from the lower Blue Point reduced horizon - Crown Hill Formation
09JH023	6840828	322912	5385040	Grey siltstone from the lower Blue Point reduced horizon - Crown Hill Formation
09JH024	6840785	322899	5385029	Red siltstone from below the upper Blue Point reduced horizon - Crown Hill Formation
09JH025	6840829	322812	5385084	Red sandstone from below the upper Blue Point reduced horizon - Crown Hill Formation
09JH026	6840831	322731	5385113	Grey siltstone from the upper Blue Point reduced horizon - Crown Hill Formation
09JH027	6840832	322687	5385130	Red siltstone from above the upper Blue Point reduced horizon - Crown Hill Formation
09JH028	6840833	322852	5385272	Grey sandstone from upper Blue Point reduced horizon - Crown Hill Formation
09JH029	6840834	322683	5385171	Red conglomerate - Crown Hill Formation
09JH030	6840835	322310	5384513	Grey sandstone from the lower Blue Point reduced horizon - Crown Hill Formation
09JH031	6840836	322286	5384561	Red sandstone from below the upper Blue Point reduced horizon - Crown Hill Formation
09JH032A	6840837	322248	5384579	Grey siltstone from the upper Blue Point reduced horizon - Crown Hill Formation
09JH032B	6840838	322248	5384579	Grey siltstone from the upper Blue Point reduced horizon - Crown Hill Formation
09JH033	6840839	322241	5384590	Red sandstone from above the upper Blue Point reduced horizon - Crown Hill Formation
09JH034	6840841	322033	5384385	Red sandstone from above the upper Blue Point reduced horizon - Crown Hill Formation
09JH035	6840842	322044	5384383	Grey sandstone from the upper Blue Point reduced horizon - Crown Hill Formation

Sample Number Method and units	Labnum	UTMEast	UTMNorth	Description_Rock_Type_Unit
09JH036	6840843	322000	5384263	Red sandstone from below the upper Blue Point reduced horizon - Crown Hill Formation
09JH037	6840844	321811	5383879	Red sandstone from below the upper Blue Point reduced horizon - Crown Hill Formation
09JH038	6840845	321801	5383963	Grey sandstone from the lower Blue Point reduced horizon - Crown Hill Formation
09JH039	6840846	321125	5383320	Red siltstone from below the upper Blue Point reduced horizon - Crown Hill Formation
09JH040	6840847	321077	5383333	Red siltstone from below the upper Blue Point reduced horizon - Crown Hill Formation
09JH041	6840848	321077	5383343	Grey sandstone from the lower Blue Point reduced horizon - Crown Hill Formation
09JH042	6840849	321050	5383380	Grey siltstone from the lower Blue Point reduced horizon - Crown Hill Formation
09JH043	6840851	321062	5383467	Red siltstone from below the upper Blue Point reduced horizon - Crown Hill Formation
09JH044	6840852	321040	5383526	Red sandstone from below the upper Blue Point reduced horizon - Crown Hill Formation
09JH045	6840853	321006	5383624	Red siltstone from below the upper Blue Point reduced horizon - Crown Hill Formation
09JH046	6840854	321006	5383659	Grey sandstone from the upper Blue Point reduced horizon - Crown Hill Formation
09JH047	6840855	321024	5383708	Grey sandstone from the upper Blue Point reduced horizon - Crown Hill Formation
09JH048	6840856	321014	5383750	Red sandstone from above the upper Blue Point reduced horizon - Crown Hill Formation
09JH049	6840857	320974	5383860	Red conglomerate - Crown Hill Formation
09JH050	6840858	320472	5384820	Grey siltstone from the upper Blue Point reduced horizon - Crown Hill Formation
09JH051	6840859	320273	5385449	Grey siltstone from the upper Blue Point reduced horizon - Crown Hill Formation
09JH052	6840861	320510	5385315	Red sandstone from above the upper Blue Point reduced horizon - Crown Hill Formation
09JH053	6840862	320420	5385062	Grey sandstone from the upper Blue Point reduced horizon - Crown Hill Formation
09JH055A	6840863	319112	5385886	Red sandstone from above the upper Blue Point reduced horizon - Crown Hill Formation
09JH055B	6840864	319112	5385886	Maroon siltstone from above the upper Blue Point reduced horizon - Crown Hill Formation
09JH056	6840865	319121	5385887	Grey sandstone from the upper Blue Point reduced horizon - Crown Hill Formation
09JH057	6840866	319135	5385863	Grey sandstone from the upper Blue Point reduced horizon - Crown Hill Formation
09JH058	6840867	319150	5385833	Red sandstone from below the upper Blue Point reduced horizon - Crown Hill Formation
09JH059A	6840868	319252	5385626	Grey siltstone from the lower Blue Point reduced horizon - Crown Hill Formation
09JH059B	6840789	319252	5385626	Grey siltstone from the lower Blue Point reduced horizon - Crown Hill Formation
09JH060	6840869	318962	5385092	Maroon siltstone from above the upper Blue Point reduced horizon - Crown Hill Formation
09JH061A	6840871	316829	5383967	Red sandstone from below the upper Blue Point reduced horizon - Crown Hill Formation
09JH061B	6840872	316829	5383967	Maroon sandstone from below the upper Blue Point reduced horizon - Crown Hill Formation
09JH061C	6840873	316829	5383967	Grey sandstone from the upper Blue Point reduced horizon - Crown Hill Formation
09JH062A	6840874	316841	5383988	Grey sandstone from the upper Blue Point reduced horizon - Crown Hill Formation
09JH062B	6840875	316841	5383988	Grey siltstone from the upper Blue Point reduced horizon - Crown Hill Formation
09JH063	6840876	316834	5384002	Grey to brown siltstone with abundant pyrite from the upper Blue Point reduced horizon - Crown Hill Formation
09JH064	6840877	316850	5384033	Grey to brown siltstone with abundant pyrite from the upper Blue Point reduced horizon - Crown Hill Formation
09JH065A	6840878	316845	5384053	Grey sandstone from the upper Blue Point reduced horizon - Crown Hill Formation
09JH065B	6840879	316845	5384053	Grey sandstone from the upper Blue Point reduced horizon - Crown Hill Formation
09JH066	6840881	316860	5384099	Red siltstone from above the upper Blue Point reduced horizon - Crown Hill Formation
09JH067B	6840883	316944	5384154	Grey sandstone from the upper Blue Point reduced horizon - Crown Hill Formation
09JH067C	6840884	316944	5384154	Grey sandstone from the upper Blue Point reduced horizon - Crown Hill Formation
09JH068	6840885	316220	5383406	Red siltstone from below the upper Blue Point reduced horizon - Crown Hill Formation
09JH069	6840886	316204	5383445	Grey sandstone from the lower Blue Point reduced horizon - Crown Hill Formation
09JH070	6840887	316187	5383565	Red siltstone from below the upper Blue Point reduced horizon - Crown Hill Formation
09JH071	6840888	322967	5386837	Grey Slate - Cambrian Bonavista Formation
09JH072	6840889	325569	5366850	Grey siltstone - Rocky Harbour Formation
09JH073	6840891	325913	5363867	Grey siltstone - Rocky Harbour Formation
09JH074	6840892	325937	5363940	Grey siltstone - Rocky Harbour Formation
09JH075	6840893	318751	5363293	Grey siltstone - Rocky Harbour Formation
09JH076A	6840894	328595	5361713	Felsic Tuff - Rocky Harbour Formation
09JH076B	6840895	328595	5361713	Orange to Yellow fine grained rock (sabbkha or evaporite?) - Rocky Harbour Formation
09JH077A	6840896	328184	5361801	Grey siltstone - Rocky Harbour Formation

Sample Number Method and units	Labnum	UTMEast	UTMNorth	Description_Rock_Type_Unit
09JH077B	6840897	328184	5361801	Orange to Yellow to pink fine grained rock (sabkha or evaporite?) - Rocky Harbour Formation
09JH078	6840898	329354	5360492	Grey siltstone - Rocky Harbour Formation
09JH079A	6840899	350376	5387477	Grey to black shale - St. John's Group
09JH079B	6840901	350376	5387477	Grey to black shale - St. John's Group
09JH080	6840902	325032	5359711	Grey siltstone - Rocky Harbour Formation
09JH081	6840903	324465	5359956	Grey siltstone - Rocky Harbour Formation
09JH082	6840904	325417	5361413	Grey siltstone - Rocky Harbour Formation
09JH083	6840905	325512	5361313	Grey siltstone - Rocky Harbour Formation
09JH084A	6840906	290713	5308762	Grey siltstone - Deer Harbour area Blue Point reduced horizon - Crown Hill Formation
09JH084B	6840907	290713	5308762	Grey siltstone - Deer Harbour area Blue Point reduced horizon - Crown Hill Formation
09JH085	6840908	290733	5308737	Red sandstone - Deer Harbour area - Crown Hill Formation
09JH086	6840909	290939	5308555	Grey siltstone - Deer Harbour area Blue Point reduced horizon - Crown Hill Formation
09JH088	6840911	290448	5308201	Grey siltstone - Deer Harbour area Blue Point reduced horizon - Crown Hill Formation
09JH089A	6840912	290490	5308100	Grey siltstone - Deer Harbour area Blue Point reduced horizon - Crown Hill Formation
09JH089B	6840913	290490	5308100	Grey siltstone - Deer Harbour area Blue Point reduced horizon - Crown Hill Formation
09JH089C	6840914	290490	5308100	Grey siltstone - Deer Harbour area Blue Point reduced horizon - Crown Hill Formation
09JH089D	6840915	290490	5308100	Grey siltstone - Deer Harbour area Blue Point reduced horizon - Crown Hill Formation
09JH090	6840916	292592	5307769	Grey siltstone - Deer Harbour area Blue Point reduced horizon - Crown Hill Formation
09JH092A	6840917	293121	5307879	Red sandstone - Deer Harbour area - Crown Hill Formation
09JH092B	6840918	293121	5307879	Grey siltstone - Deer Harbour area Blue Point reduced horizon - Crown Hill Formation
09JH092C	6840919	293121	5307879	Red sandstone - Deer Harbour area - Crown Hill Formation
09JH093	6840921	304900	5325002	Grey sandstone - Rocky Harbour Formation
09JH094	6840922	304686	5324924	Grey sandstone - Rocky Harbour Formation
09JH095	6840923	303959	5323965	Grey sandstone - Rocky Harbour Formation
09JH096A	6840924	303441	5323137	Grey sandstone - Rocky Harbour Formation
09JH096B	6840925	303441	5323137	Grey sandstone - Rocky Harbour Formation
09JH097	6840926	303591	5324902	Orange to Yellow to pink fine grained rock (sabkha or evaporite?) - Rocky Harbour Formation
09JH098	6840927	301192	5323480	Grey sandstone - Little Heart's Ease area Blue Point reduced horizon - Crown Hill Formation
09JH099	6840928	301005	5323301	Grey sandstone - Little Heart's Ease area Blue Point reduced horizon - Crown Hill Formation
09JH100A	6840929	300788	5323142	Grey sandstone - Little Heart's Ease area Blue Point reduced horizon - Crown Hill Formation
09JH100B	6840931	300788	5323142	Grey sandstone - Little Heart's Ease area Blue Point reduced horizon - Crown Hill Formation
09JH101	6840932	300860	5323194	Grey sandstone - Little Heart's Ease area Blue Point reduced horizon - Crown Hill Formation
09JH102A	6840933	300463	5322803	Grey sandstone - Little Heart's Ease area Blue Point reduced horizon - Crown Hill Formation
09JH102B	6840934	300463	5322803	Red sandstone - Little Heart's Ease area - Crown Hill Formation
09JH103	6840935	293799	5308140	Grey siltstone - Deer Harbour area Blue Point reduced horizon - Crown Hill Formation
09JH104	6840936	293946	5308225	Grey siltstone - Deer Harbour area Blue Point reduced horizon - Crown Hill Formation
09JH105	6840937	294512	5307957	Grey siltstone - Deer Harbour area Blue Point reduced horizon - Crown Hill Formation
09JH106	6840938	295603	5307553	Grey siltstone - Deer Harbour area Blue Point reduced horizon - Crown Hill Formation
09JH107	6840939	295728	5307473	Grey siltstone - Deer Harbour area Blue Point reduced horizon - Crown Hill Formation
09JH108	6840941	296264	5308227	Grey siltstone - Deer Harbour area Blue Point reduced horizon - Crown Hill Formation
09JH109A	6840942	296943	5311030	Grey siltstone - Deer Harbour area Blue Point reduced horizon - Crown Hill Formation
09JH109B	6840943	296943	5311030	Grey siltstone - Deer Harbour area Blue Point reduced horizon - Crown Hill Formation
09JH110	6840944	303293	5320285	Grey siltstone - east Random Island area Blue Point reduced horizon - Crown Hill Formation
09JH111A	6840945	308318	5329107	Grey siltstone - east Random Island area Blue Point reduced horizon - Crown Hill Formation
09JH111B	6840946	308318	5329107	Grey siltstone - east Random Island area Blue Point reduced horizon - Crown Hill Formation
09JH112	6840947	308670	5330611	Grey siltstone - east Random Island area Blue Point reduced horizon - Crown Hill Formation
09JH113	6840948	304753	5327986	Grey siltstone - east Random Island area Blue Point reduced horizon - Crown Hill Formation
09JH114	6840949	304045	5328087	Grey siltstone - east Random Island area Blue Point reduced horizon - Crown Hill Formation
09JH115	6840951	299314	5322263	Grey sandstone - Little Heart's Ease area Blue Point reduced horizon - Crown Hill Formation

Sample Number Method and units	Labnum	UTMEast	UTMNorth	Description_Rock Type_Unit
09JH116	6840952	299562	5321952	Grey sandstone - Little Heart's Ease area Blue Point reduced horizon - Crown Hill Formation
09JH117	6840953	299077	5321301	Grey sandstone - Little Heart's Ease area Blue Point reduced horizon - Crown Hill Formation
09JH119A	6840955	305039	5358986	Green shale - Bonavista Formation
09JH119B	6840956	305039	5358986	Red shale - Bonavista Formation
09JH121	6840957	300295	5351526	Grey shale - Bonavista Formation
09JH122A	6840958	299731	5343998	Grey shale - Bonavista Formation
09JH122B	6840959	299731	5343998	Red shale - Bonavista Formation
09JH125	6840963	298844	5321427	Grey sandstone - Little Heart's Ease area Blue Point reduced horizon - Crown Hill Formation
09JH128	6840965	316345	5376302	Grey sandstone - Rocky Harbour Formation
09JH130	6840967	284253	5369700	Red conglomerate
09JH135	6840973	658493	5268173	Grey Sandstone - Anderson's Cove Formation
09JH136	6840974	658381	5268337	Grey Sandstone - Anderson's Cove Formation
10JH004A01	6841085	328629	5294978	Grey siltstone - Renew's Head Formation
10JH005A01	6841086	323502	5308529	Grey-Green siltstone - Heart's Content Formation
10JH006A01	6841087	322144	5308515	Red sandstone - Crown Hill Formation
10JH007A01	6841088	323935	5311188	Grey-Green siltstone - Heart's Delight Formation
10JH008A01	6841089	323355	5310682	Red sandstone - Crown Hill Formation
10JH009A01	6841091	323412	5310477	Grey sandstone - Heart's Delight Formation
10JH010A01	6841092	327515	5317165	Red sandstone - Crown Hill Formation
10JH011A01	6841093	327386	5317253	Red sandstone - Crown Hill Formation
10JH012A01	6841094	324051	5294087	Grey sandstone - Renew's Head Formation
10JH013A01	6841095	324144	5294017	Grey sandstone - Renew's Head Formation
10JH014A01	6841096	323634	5293845	Grey sandstone - Renew's Head Formation
10JH015A01	6841097	323208	5293764	Grey sandstone - Renew's Head Formation
10JH016A01	6841098	258000	5198996	Black siltstone - Heart's Content Formation (?)
10JH018A02	6841101	262845	5214175	Red sandstone - Crown Hill Formation
10JH019A01	6841102	267010	5220765	Grey to black shale - Heart's Content Formation
10JH020A01	6841103	289360	5262017	Grey-green sandstone - Trinny Cove Formation
10JH021A01	6841104	288762	5261918	Red sandstone - Trinny Cove Formation
10JH022A01	6841105	288180	5261388	Grey siltstone - Trinny Cove Formation
10JH023A01	6841106	287864	5260648	Grey siltstone - Trinny Cove Formation
10JH024A01	6841107	294142	5264873	Red sandstone - Crown Hill Formation
10JH025A01	6841108	293369	5263971	Red sandstone - Crown Hill Formation
10JH026A01	6841109	295922	5270607	Quart arenite - Random Formation
10JH026A02	6841111	295922	5270607	Quart arenite - Random Formation
10JH027A01	6841112	295602	5276181	Grey sandstone - Crown Hill Formation
10JH033A02	6841119	371316	5251413	Red sandstone - Quidi Vidi Formation
10JH034A02	6841172	371595	5251815	Red sandstone - Quidi Vidi Formation
10JH036A01	6841123	277791	5295671	Black shale - Connecting Point Group
10JH038A01	6841125	329516	5360098	Limestone - Rocky Harbour Formation
10JH039A01	6841126	297994	5316733	Grey sandstone - Trinny Cove Formation (?)
10JH040A01	6841127	289622	5301184	Grey sandstone - Trinny Cove Formation (?)
10JH040A02	6841173	289622	5301184	Grey sandstone - Trinny Cove Formation (?)
10JH041A01	6841128	290546	5300037	Grey sandstone
10JH041A02	6841129	290546	5300037	Red sandstone

Open File NFLD/3228 - Appendix A

Sample Number Method and units	SiO2	Al2O3	Fe2O3T	Fe2O3	FeO	MgO	CaO	Na2O	K2O	TiO2
	GS Major (wt. %)	GS Major (wt. %)	GS Major (wt. %)	GS Major (wt. %)	GS Major (wt. %)	GS Major (wt. %)	GS Major (wt. %)	GS Major (wt. %)	GS Major (wt. %)	GS Major (wt. %)
09JH002	72.86	12.72	4.45	1.26	2.87	1.69	0.63	4.33	0.90	0.555
09JH003	62.52	15.80	6.36	0.46	5.31	2.23	0.82	2.85	2.88	0.797
09JH004A	67.81	16.27	2.52	2.48	0.03	1.11	2.77	0.42	4.57	0.196
09JH008A	60.01	17.49	8.84	8.15	0.62	2.70	0.55	2.24	3.82	1.340
09JH008B	55.62	18.12	9.81	8.97	0.75	2.68	0.65	2.15	4.19	1.371
09JH008C	58.93	17.05	8.69	7.62	0.97	2.40	0.48	2.24	3.80	1.405
09JH008D	65.69	14.25	7.99	5.95	1.84	2.62	0.49	3.46	1.86	0.870
09JH008E	55.80	19.37	9.89	8.13	1.58	2.44	0.53	2.14	4.44	1.381
09JH008F	62.94	14.41	9.52	4.22	4.77	3.02	0.61	2.85	1.68	1.143
09JH008G	60.29	15.89	9.18	1.81	6.63	2.72	0.67	2.34	2.23	1.259
09JH008H	60.49	16.65	8.47	1.57	6.21	2.98	0.31	1.94	2.75	1.301
09JH008J	60.69	16.96	7.35	2.64	4.72	2.56	0.49	2.33	2.91	1.001
09JH008K	59.51	18.22	8.43	3.01	5.42	2.88	0.55	2.19	3.04	1.166
09JH008L	57.95	17.93	8.28	2.93	5.34	2.66	0.22	2.13	3.11	1.160
09JH008M	61.70	17.59	6.93	2.50	4.43	2.52	0.28	2.30	2.97	1.003
09JH008N	62.73	18.00	6.60	0.69	5.32	2.44	0.11	2.70	2.74	1.165
09JH008O	99.39	0.47	0.25	0.03	0.20	0.09	0.04	-0.01	0.03	0.025
09JH008P	59.75	17.31	8.87	1.75	6.40	3.20	0.29	1.56	3.04	1.207
09JH008Q	57.84	17.12	9.61	8.30	1.18	2.06	0.84	1.94	4.24	1.404
09JH009	59.55	15.82	9.43	8.43	0.90	2.24	0.76	2.22	3.51	1.318
09JH010	61.09	15.64	8.91	2.92	5.40	2.88	0.26	1.93	2.61	1.266
09JH011	60.59	18.15	8.13	2.91	5.21	2.33	0.32	2.11	3.13	1.120
09JH012	60.46	17.98	6.76	0.82	5.35	2.60	0.22	2.37	2.92	0.969
09JH013	69.30	13.25	6.29	5.71	0.52	1.37	0.80	3.01	2.41	0.788
09JH014	71.07	13.11	5.32	5.04	0.25	1.28	0.67	2.13	3.05	0.620
09JH015	66.72	13.83	6.89	6.52	0.33	1.58	0.99	2.10	3.13	0.897
09JH016A	64.06	16.94	5.94	4.31	1.47	1.77	0.60	2.81	3.36	0.906
09JH016B	63.75	16.55	5.39	1.26	3.71	2.37	0.77	2.72	2.73	0.843
09JH016C	65.04	16.20	5.42	4.26	1.04	1.42	1.03	3.19	2.98	0.930
09JH017	56.82	17.05	10.41	9.54	0.78	1.99	0.79	1.88	4.12	1.525
09JH018	59.77	15.80	9.16	5.52	3.28	3.26	0.77	1.94	2.71	1.271
09JH019	56.28	18.00	9.60	9.32	0.25	3.56	0.60	1.43	2.87	1.415
09JH020	78.46	10.77	2.71	2.30	0.37	0.66	0.59	3.62	1.32	0.594
09JH021	68.50	15.43	5.06	3.38	1.51	0.98	0.24	2.39	3.27	0.683
09JH022	70.50	14.23	3.77	1.06	2.44	1.29	0.30	2.33	2.68	0.837
09JH023	68.52	15.14	4.40	1.18	2.89	1.61	0.07	1.99	2.96	0.730
09JH024	69.23	14.79	4.75	4.41	0.30	0.67	0.29	1.97	3.61	0.708
09JH025	77.71	10.96	2.80	2.59	0.19	0.56	0.36	3.62	1.45	0.474
09JH026	58.41	17.87	7.88	0.86	6.32	3.41	0.22	2.40	2.45	1.323
09JH027	57.20	18.16	10.16	9.39	0.70	2.14	0.75	1.62	4.39	1.542
09JH028	56.23	18.32	9.50	1.28	7.40	3.19	0.27	2.08	2.80	1.375
09JH029	71.82	11.47	5.85	5.48	0.33	1.40	0.86	2.52	2.04	0.752
09JH030	71.87	12.65	4.82	0.93	3.50	1.67	0.30	2.68	1.62	0.508
09JH031	72.26	12.32	5.36	5.06	0.27	0.65	0.79	3.39	2.01	1.204
09JH032A	65.52	14.03	7.80	3.14	4.19	1.84	0.50	2.53	1.74	0.868
09JH032B	65.33	13.81	7.78	2.60	4.66	1.91	0.52	2.51	1.62	0.900
09JH033	63.39	15.05	8.95	8.62	0.30	1.53	0.96	2.18	3.24	1.711
09JH034	75.32	11.23	5.06	4.84	0.20	1.23	0.79	2.91	1.71	0.615
09JH035	68.66	13.65	5.91	2.77	2.83	2.69	0.83	3.24	1.48	0.751

Open File NFLD/3228 - Appendix A

Sample Number Method and units	SiO2	Al2O3	Fe2O3T	Fe2O3	FeO	MgO	CaO	Na2O	K2O	TiO2
	GS Major (wt. %)	GS Major (wt. %)	GS Major (wt. %)	GS Major (wt. %)	GS Major (wt. %)	GS Major (wt. %)	GS Major (wt. %)	GS Major (wt. %)	GS Major (wt. %)	GS Major (wt. %)
09JH036	63.23	16.58	7.57	6.88	0.62	2.55	0.63	2.51	3.18	1.165
09JH037	65.37	16.33	6.35	5.85	0.45	1.42	0.44	1.65	4.12	0.694
09JH038	67.84	15.85	4.00	1.16	2.56	1.46	0.19	2.01	3.25	0.830
09JH039	67.92	15.73	5.16	4.96	0.17	1.04	0.51	1.95	3.94	0.728
09JH040	68.30	15.90	6.03	5.68	0.32	0.81	0.27	1.52	4.22	0.730
09JH041	67.63	15.24	4.64	1.83	2.53	2.13	0.14	2.09	2.97	0.832
09JH042	70.18	15.16	4.76	1.28	3.13	1.37	0.30	2.44	2.46	0.738
09JH043	68.36	16.06	3.64	3.52	0.11	0.96	0.16	2.48	3.80	0.819
09JH044	77.65	10.89	2.33	2.16	0.15	0.73	0.38	3.88	1.23	0.454
09JH045	57.15	17.60	9.98	9.09	0.80	2.53	0.87	2.01	3.63	1.518
09JH046	57.47	17.74	10.17	2.10	7.26	3.38	0.31	1.13	2.81	1.283
09JH047	56.43	17.38	10.81	1.96	7.97	3.09	0.91	2.04	2.11	1.829
09JH048	57.66	18.31	9.43	7.90	1.38	2.60	1.31	2.06	3.85	1.084
09JH049	71.85	11.96	5.41	5.25	0.15	1.39	0.79	2.18	2.38	0.629
09JH050	59.87	15.81	8.95	1.54	6.66	4.09	0.48	1.80	1.97	1.487
09JH051	59.80	17.02	7.62	1.43	5.57	3.50	0.44	1.83	2.59	1.370
09JH052	70.94	11.19	7.22	6.99	0.21	1.38	1.21	2.49	1.84	1.141
09JH053	58.84	15.51	10.63	1.90	7.86	3.45	0.64	1.69	1.88	1.497
09JH055A	55.00	17.65	11.29	9.95	1.21	2.34	0.61	1.50	4.27	1.524
09JH055B	61.61	14.69	8.83	6.39	2.20	3.02	0.65	1.90	2.63	1.597
09JH056	61.16	16.05	9.31	2.29	6.32	2.94	0.56	1.52	2.34	1.393
09JH057	58.50	18.46	7.84	1.49	5.71	2.81	0.33	2.15	3.02	1.425
09JH058	65.30	14.26	7.73	6.92	0.73	1.33	0.97	2.90	2.51	1.273
09JH059A	66.60	15.91	4.86	1.06	3.42	1.85	0.37	1.71	3.36	0.746
09JH059B	65.02	17.07	5.14	1.34	3.42	1.74	0.32	2.07	3.28	0.760
09JH060	68.16	15.64	5.58	4.11	1.32	1.03	0.44	2.35	3.25	0.822
09JH061A	60.00	15.76	8.78	7.82	0.87	2.29	1.24	2.26	3.13	1.276
09JH061B	68.87	11.99	7.28	3.76	3.17	2.10	0.86	2.46	1.43	0.809
09JH061C	66.97	12.94	8.24	1.72	5.87	2.96	0.84	2.06	1.20	0.730
09JH062A	60.54	13.92	10.50	2.17	7.50	4.26	0.65	1.39	1.13	1.406
09JH062B	57.08	16.96	10.01	1.77	7.41	4.09	0.49	1.19	2.26	1.457
09JH063	57.56	17.56	7.92	2.80	5.12	2.66	0.75	2.08	3.15	1.134
09JH064	55.71	18.54	9.18	0.29	8.00	3.17	0.69	1.88	3.03	1.263
09JH065A	58.57	17.83	8.49	1.52	6.27	3.07	0.57	1.41	3.03	1.341
09JH065B	61.09	14.89	10.64	0.61	9.03	3.19	0.70	1.91	1.65	1.133
09JH066	58.22	17.14	10.12	8.14	1.78	2.63	0.50	1.58	3.93	1.108
09JH067B	56.76	16.64	10.06	1.11	8.06	4.07	0.67	1.98	2.00	1.262
09JH067C	55.91	17.18	10.07	0.79	8.35	3.77	0.79	2.00	2.09	1.543
09JH068	70.75	14.20	4.67	4.45	0.19	0.56	0.33	2.01	3.56	0.739
09JH069	66.43	14.74	7.25	1.36	5.31	1.94	0.50	2.71	1.83	0.652
09JH070	67.53	14.71	6.50	5.53	0.88	1.23	0.22	1.73	3.46	0.783
09JH071	50.37	20.12	12.38	0.23	10.94	3.03	1.17	1.61	2.59	0.928
09JH072	70.01	14.84	3.04	1.27	1.77	1.13	0.38	4.25	2.62	0.468
09JH073	68.11	14.47	4.35	0.47	3.49	1.32	0.30	3.06	4.13	0.702
09JH074	63.36	16.26	5.62	0.26	4.83	1.55	0.35	3.87	2.98	0.824
09JH075	68.55	12.51	4.96	1.87	3.09	1.74	1.66	4.90	0.54	0.954
09JH076A	63.41	16.41	3.55	1.90	1.48	2.10	2.18	0.22	5.20	0.439
09JH076B	75.44	10.62	1.38	0.79	0.52	0.56	4.55	1.96	1.34	0.217
09JH077A	65.84	15.00	4.20	0.33	3.48	2.03	0.61	2.66	4.61	0.869

Sample Number Method and units	SiO2	Al2O3	Fe2O3T	Fe2O3	FeO	MgO	CaO	Na2O	K2O	TiO2
	GS Major (wt. %)	GS Major (wt. %)	GS Major (wt. %)	GS Major (wt. %)	GS Major (wt. %)	GS Major (wt. %)	GS Major (wt. %)	GS Major (wt. %)	GS Major (wt. %)	GS Major (wt. %)
09JH077B	81.80	11.01	0.16	0.07	0.09	0.23	0.47	5.87	0.20	0.133
09JH078	66.98	14.25	5.94	0.21	5.16	1.98	0.61	2.47	2.04	0.686
09JH079A	63.23	16.63	5.26	2.01	3.26	2.30	0.72	2.90	3.05	0.827
09JH079B	63.20	16.19	6.01	2.27	3.74	2.31	0.63	2.90	2.90	0.779
09JH080	68.11	15.62	2.35	0.35	1.80	1.26	0.73	3.72	3.30	0.413
09JH081	70.26	13.91	3.20	1.30	1.90	1.39	0.30	3.33	3.11	0.520
09JH082	61.98	15.87	4.90	2.13	2.78	1.94	1.68	4.03	3.91	0.517
09JH083	77.11	11.68	2.30	0.94	1.36	0.83	0.19	4.43	1.71	0.343
09JH084A	59.79	16.60	8.98	1.49	6.74	2.44	1.60	2.43	1.69	1.435
09JH084B	57.09	18.00	8.15	2.71	5.44	2.74	1.79	1.92	2.57	1.173
09JH085	61.52	16.43	8.44	6.28	1.94	2.43	1.40	2.38	2.19	1.137
09JH086	62.85	17.68	4.55	1.11	3.10	3.18	0.11	1.34	3.48	0.987
09JH088	59.20	18.00	8.89	7.55	1.21	2.17	1.41	2.37	2.62	1.381
09JH089A	63.24	16.35	7.59	2.66	4.92	2.16	0.24	2.89	1.93	1.116
09JH089B	60.53	17.38	7.91	2.73	5.18	2.31	0.19	2.33	2.44	1.165
09JH089C	62.49	15.50	9.29	1.71	6.82	2.92	0.92	2.80	1.30	1.091
09JH089D	58.74	18.45	7.72	2.66	5.06	2.64	1.01	2.35	2.48	1.207
09JH090	62.81	17.36	5.34	1.81	3.18	3.52	0.21	1.84	2.85	1.092
09JH092A	60.30	16.86	8.46	6.35	1.90	1.64	1.35	1.90	2.93	1.187
09JH092B	65.92	15.44	6.01	1.99	3.61	2.46	0.87	2.08	2.07	1.024
09JH092C	60.96	17.30	8.55	6.72	1.64	1.48	0.84	2.10	3.17	1.047
09JH093	77.63	11.68	1.85	1.32	0.48	0.33	0.13	3.52	3.04	0.293
09JH094	64.57	15.97	6.41	1.92	4.40	2.60	0.59	2.08	2.92	0.634
09JH095	72.21	13.69	2.46	1.90	0.50	0.76	0.19	3.84	3.43	0.516
09JH096A	79.67	11.26	1.29	1.00	0.26	0.26	0.12	3.67	2.84	0.264
09JH096B	79.66	10.06	2.21	1.62	0.53	0.49	0.50	2.94	2.45	0.304
09JH097	75.79	13.11	1.54	1.28	0.24	0.92	0.42	0.42	3.92	0.134
09JH098	60.12	18.92	4.62	1.45	2.84	3.33	1.20	2.44	2.93	1.379
09JH099	60.83	17.01	8.47	1.73	6.07	2.86	0.96	2.19	2.43	1.442
09JH100A	60.33	19.25	6.80	2.47	4.33	2.14	0.71	2.33	3.10	1.099
09JH100B	57.89	17.48	8.94	3.05	5.89	2.38	1.00	2.15	2.61	1.107
09JH101	57.35	18.71	8.54	2.99	5.54	2.46	0.20	2.18	2.96	1.149
09JH102A	66.33	16.13	3.30	1.17	2.13	2.43	1.07	3.03	1.73	1.131
09JH102B	65.93	13.02	9.15	7.22	1.74	2.17	1.50	3.02	1.04	1.417
09JH103	55.24	15.42	9.41	5.63	3.41	4.03	3.16	2.61	1.55	1.878
09JH104	59.95	17.90	7.10	1.74	4.83	2.35	1.32	1.97	2.62	1.194
09JH105	58.96	18.57	8.17	1.00	6.46	2.23	0.59	2.13	2.40	1.161
09JH106	60.45	16.75	8.28	2.80	5.48	2.15	1.03	2.30	2.19	1.144
09JH107	60.13	17.02	7.54	2.59	4.96	2.53	1.11	2.50	2.19	1.148
09JH108	62.83	15.02	7.90	2.61	5.29	2.14	1.06	2.16	1.92	0.962
09JH109A	59.13	17.74	8.37	2.94	4.89	2.62	0.27	2.23	2.49	1.298
09JH109B	58.13	17.52	8.21	2.80	5.42	2.29	0.98	2.27	2.44	1.182
09JH110	61.90	17.18	4.85	2.01	2.84	1.89	1.10	4.46	2.76	0.763
09JH111A	57.65	18.34	8.77	3.01	5.76	2.44	1.02	2.36	2.48	1.208
09JH111B	53.56	13.63	9.78	1.69	7.29	1.48	5.42	2.78	1.36	0.994
09JH112	58.08	17.96	8.72	2.99	5.73	2.58	0.82	2.35	2.48	1.169
09JH113	57.42	18.87	6.83	1.45	4.84	3.69	1.42	2.51	2.32	1.291
09JH114	56.19	19.25	9.57	1.39	7.37	1.99	1.17	2.56	2.73	1.255
09JH115	63.95	14.35	6.64	0.31	5.69	1.56	3.12	2.46	1.80	1.066

Sample Number Method and units	SiO2	Al2O3	Fe2O3T	Fe2O3	FeO	MgO	CaO	Na2O	K2O	TiO2
	GS Major (wt. %)	GS Major (wt. %)	GS Major (wt. %)	GS Major (wt. %)	GS Major (wt. %)	GS Major (wt. %)	GS Major (wt. %)	GS Major (wt. %)	GS Major (wt. %)	GS Major (wt. %)
09JH116	57.59	17.61	9.46	3.21	6.24	2.59	0.98	2.33	2.40	1.209
09JH117	58.37	17.97	8.40	2.93	5.47	2.49	0.74	2.55	2.55	1.157
09JH119A	61.57	19.07	4.88	6.07	1.64	3.31	0.21	2.18	3.14	0.892
09JH119B	58.47	18.16	7.92	6.07	3.67	2.63	0.86	1.96	3.53	0.817
09JH121	64.45	16.45	3.47	1.04	2.18	2.85	0.87	2.28	3.22	0.897
09JH122A	65.34	15.69	3.69	0.93	2.49	3.07	1.12	2.35	2.88	0.869
09JH122B	61.65	16.53	6.54	3.93	2.35	2.76	1.25	2.02	3.35	0.842
09JH125	58.92	18.74	7.17	0.85	5.69	2.35	1.11	2.68	2.21	1.277
09JH128	59.43	18.02	8.19	2.87	5.32	1.83	2.08	1.97	3.05	1.025
09JH130	58.60	17.15	9.82	7.90	1.73	2.22	1.87	2.33	3.04	1.510
09JH135	58.76	17.04	8.97	2.93	5.43	2.81	3.69	2.87	1.65	1.121
09JH136	58.19	16.14	8.80	1.97	6.15	2.57	4.24	3.39	1.25	1.297
10JH004A01	65.40	15.43	5.32	1.16	3.74	1.56	0.71	3.16	2.85	0.796
10JH005A01	65.80	16.20	5.21	0.61	4.14	1.43	0.66	2.79	2.61	0.872
10JH006A01	63.24	14.56	7.41	5.17	2.01	1.96	1.56	3.33	1.85	1.007
10JH007A01	62.67	17.29	6.29	1.59	4.23	1.60	0.87	2.11	2.93	0.979
10JH008A01	62.41	15.07	7.08	4.93	1.94	1.88	1.38	3.07	2.31	0.854
10JH009A01	48.28	11.47	3.68	0.35	3.00	1.40	15.85	2.12	1.67	0.657
10JH010A01	59.85	18.57	7.54	5.81	1.56	1.57	1.04	2.56	3.75	0.930
10JH011A01	63.78	15.77	6.04	5.28	0.69	1.10	1.69	2.50	3.22	0.726
10JH012A01	65.80	15.06	5.56	0.83	4.25	1.67	0.81	2.86	2.58	0.810
10JH013A01	66.24	15.36	4.31	0.54	3.39	1.45	0.87	3.41	2.66	0.834
10JH014A01	66.65	14.95	4.08	1.58	2.51	1.45	0.80	3.12	2.77	0.787
10JH015A01	65.09	15.87	5.18	0.29	4.40	1.87	0.76	2.86	2.86	0.701
10JH016A01	63.72	16.29	6.73	1.55	4.66	1.56	0.12	1.52	2.69	0.906
10JH018A02	63.50	15.69	6.22	5.39	0.75	2.19	1.03	3.59	1.72	0.888
10JH019A01	57.11	17.53	8.20	2.85	5.35	2.40	3.00	2.66	2.40	1.109
10JH020A01	66.93	13.43	8.02	3.67	3.92	1.42	0.65	2.71	1.61	0.632
10JH021A01	63.96	15.26	7.42	5.12	2.08	2.35	1.07	1.94	2.25	0.966
10JH022A01	58.06	18.93	9.00	1.49	6.76	2.21	1.60	2.73	2.08	1.520
10JH023A01	58.71	17.01	11.88	1.62	9.23	2.09	2.03	2.00	1.44	1.499
10JH024A01	77.71	6.70	4.91	4.50	0.37	0.09	0.06	0.29	1.95	1.314
10JH025A01	62.29	16.20	7.55	6.69	0.77	2.05	1.07	2.15	3.02	1.041
10JH026A01	92.35	3.01	0.64	0.19	0.46	0.08	-0.01	0.21	0.55	0.109
10JH026A02	92.65	2.22	0.49	0.14	0.35	-0.01	0.09	0.49	0.35	0.056
10JH027A01	62.25	17.41	7.41	2.74	4.21	2.23	1.25	2.27	3.09	1.161
10JH033A02	63.63	14.52	4.95	3.56	1.25	1.54	2.48	2.98	2.71	0.715
10JH034A02	62.04	17.40	5.35	4.15	1.08	1.83	2.17	3.09	3.87	0.916
10JH036A01	71.38	11.89	1.86	0.48	1.23	0.54	2.23	3.15	2.77	0.272
10JH038A01	44.50	16.76	6.56	1.81	5.43	1.81	10.78	2.97	2.36	1.720
10JH039A01	76.79	10.99	2.80	0.89	1.72	0.54	1.07	2.81	0.99	0.339
10JH040A01	63.29	16.79	7.15	1.45	5.13	1.56	1.25	1.83	2.41	1.243
10JH040A02	71.52	11.76	5.44	4.60	0.75	0.92	1.60	4.24	1.00	1.268
10JH041A01	68.26	14.16	3.74	1.90	1.65	1.54	0.83	2.67	2.58	0.659
10JH041A02	68.05	15.04	4.21	3.35	0.78	1.26	0.59	2.38	3.39	0.677

Open File NFLD/3228 - Appendix A

Sample Number Method and units	MnO GS Major (wt. %)	P2O5 GS Major (wt. %)	Zr GS Major (ppm)	Ba GS Major (ppm)	LOI GS Major (wt. %)	Total GS Major (wt. %)	As GS Trace (ppm)	Be GS Trace (ppm)	Co GS Trace (ppm)	Cr GS Trace (ppm)
09JH002	0.099	0.099	191	206	1.89	100.23	5	0.6	11	33
09JH003	0.110	0.102	238	534	3.87	98.33	22	1.1	18	54
09JH004A	0.095	0.034	213	1168	2.54	98.34	27	3.6	3	1
09JH008A	0.140	0.211	243	914	3.16	100.50	8	1.0	27	52
09JH008B	0.135	0.234	234	1039	3.33	98.28	10	0.9	27	43
09JH008C	0.119	0.074	239	940	3.10	98.28	9	0.8	24	50
09JH008D	0.136	0.101	176	452	2.53	100.00	17	0.8	24	38
09JH008E	0.120	0.288	247	1202	3.51	99.91	13	1.1	28	72
09JH008F	0.199	0.108	203	396	3.12	99.60	6	0.6	29	51
09JH008G	0.204	0.184	215	575	3.43	98.38	6	0.6	27	48
09JH008H	0.201	0.143	248	665	3.57	98.79	4	0.7	23	56
09JH008J	0.138	0.090	212	608	4.01	98.53	26	0.7	24	57
09JH008K	0.161	0.115	223	619	4.43	100.70	16	0.8	29	60
09JH008L	0.156	0.142	230	585	4.88	98.63	24	0.5	27	63
09JH008M	0.138	0.107	203	616	3.88	99.41	21	0.8	21	62
09JH008N	0.163	0.016	213	556	3.29	99.94	13	0.8	24	47
09JH008O	-0.001	0.007	37	25	0.17	100.48	-2	0.1	-1	2
09JH008P	0.229	0.158	225	705	3.80	99.41	4	0.8	26	71
09JH008Q	0.097	0.179	240	1032	3.11	98.43	14	1.1	32	56
09JH009	0.112	0.181	240	772	2.89	98.03	18	0.4	26	50
09JH010	0.191	0.109	228	596	3.49	98.37	5	0.4	26	74
09JH011	0.135	0.081	211	694	4.70	100.79	32	0.4	18	66
09JH012	0.153	0.158	195	644	3.60	98.20	13	0.8	14	47
09JH013	0.064	0.160	204	557	2.05	99.49	9	0.6	15	53
09JH014	0.084	0.035	273	655	2.23	99.59	7	1.3	12	25
09JH015	0.113	0.112	241	681	2.40	98.77	9	1.1	17	38
09JH016A	0.111	0.091	235	781	2.80	99.37	6	0.9	17	44
09JH016B	0.233	0.127	216	674	3.18	98.66	4	0.9	18	34
09JH016C	0.104	0.080	294	773	2.33	98.73	6	1.0	17	44
09JH017	0.109	0.195	269	951	3.15	98.04	9	0.6	30	56
09JH018	0.217	0.337	220	655	3.49	98.74	4	0.4	35	75
09JH019	0.271	0.287	223	657	4.47	98.78	4	0.3	33	68
09JH020	0.054	0.020	172	361	1.19	99.99	4	0.5	10	15
09JH021	0.078	0.027	200	863	2.54	99.19	3	1.6	12	26
09JH022	0.107	0.022	307	713	2.48	98.53	3	1.5	11	33
09JH023	0.142	0.009	221	722	2.81	98.38	2	1.6	12	34
09JH024	0.035	0.137	236	946	2.45	98.64	5	1.0	9	30
09JH025	0.039	0.006	152	429	1.24	99.22	3	1.0	7	16
09JH026	0.229	0.092	284	620	3.86	98.13	10	1.5	14	129
09JH027	0.115	0.180	256	1071	3.30	99.55	10	1.8	26	63
09JH028	0.229	0.166	270	726	4.05	98.21	3	1.5	24	58
09JH029	0.108	0.059	196	482	1.77	98.64	7	1.0	15	33
09JH030	0.140	0.009	174	421	2.23	98.49	7	0.5	15	36
09JH031	0.056	0.007	274	570	1.48	99.53	4	0.3	13	34
09JH032A	0.121	0.098	196	423	3.40	98.44	4	0.6	17	47
09JH032B	0.129	0.106	217	390	3.51	98.12	3	0.5	18	49
09JH033	0.089	0.080	303	797	2.44	99.62	8	0.2	25	67
09JH034	0.068	0.034	166	394	1.54	100.50	7	0.9	14	35
09JH035	0.212	0.060	174	357	2.53	100.01	4	0.9	23	38

Open File NFLD/3228 - Appendix A

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09JH036	0.132	0.143	206	812	2.85	100.54	9	1.3	27	45
09JH037	0.109	0.022	223	961	2.67	99.18	6	1.9	25	24
09JH038	0.119	0.068	312	790	2.66	98.28	4	2.3	13	85
09JH039	0.081	0.037	202	885	2.28	99.38	13	1.8	18	42
09JH040	0.044	0.065	185	1018	2.34	100.22	4	2.1	14	80
09JH041	0.194	0.025	248	672	2.70	98.61	3	1.6	20	29
09JH042	0.097	0.025	229	649	2.51	100.05	3	2.0	14	27
09JH043	0.050	0.007	230	936	2.29	98.63	14	1.9	13	34
09JH044	0.049	0.015	130	360	1.22	98.84	4	1.3	8	12
09JH045	0.144	0.204	234	957	3.18	98.81	10	1.1	31	69
09JH046	0.290	0.181	271	733	4.09	98.85	6	0.8	23	244
09JH047	0.246	0.527	267	534	3.92	99.29	4	0.7	34	90
09JH048	0.143	0.601	192	955	3.41	100.45	6	0.8	29	35
09JH049	0.103	0.035	200	545	1.98	98.71	7	0.9	13	37
09JH050	0.288	0.163	237	499	3.88	98.79	3	0.3	28	102
09JH051	0.253	0.146	233	674	3.78	98.35	4	0.6	24	89
09JH052	0.080	0.018	192	436	1.73	99.24	8	-0.1	18	47
09JH053	0.271	0.240	221	446	3.82	98.47	4	0.1	33	70
09JH055A	0.119	0.305	261	1096	3.45	98.07	5	0.6	28	62
09JH055B	0.178	0.143	234	658	3.17	98.42	5	-0.1	34	74
09JH056	0.231	0.185	220	578	3.70	99.39	3	0.3	29	79
09JH057	0.210	0.100	248	755	3.73	98.57	4	0.5	27	66
09JH058	0.075	0.116	240	712	2.12	98.59	13	0.3	23	48
09JH059A	0.141	0.026	212	917	2.90	98.46	3	0.9	16	64
09JH059B	0.140	0.048	228	875	2.97	98.58	3	1.1	15	29
09JH060	0.073	0.035	293	897	2.33	99.70	3	1.0	13	30
09JH061A	0.120	0.389	243	825	2.75	98.01	20	0.5	29	88
09JH061B	0.173	0.088	168	381	2.31	98.37	4	0.3	21	49
09JH061C	0.269	0.127	160	301	2.96	99.30	4	0.2	25	49
09JH062A	0.380	0.117	185	263	3.99	98.29	4	-0.1	33	74
09JH062B	0.355	0.252	203	537	4.29	98.45	4	0.5	28	82
09JH063	0.179	0.100	215	705	4.92	98.02	34	0.6	25	65
09JH064	0.235	0.209	220	686	5.34	99.24	47	0.6	32	68
09JH065A	0.279	0.203	239	713	3.83	98.63	4	0.6	29	69
09JH065B	0.291	0.141	181	370	4.11	99.75	4	0.3	27	61
09JH066	0.153	0.279	208	927	3.25	98.92	5	1.0	29	58
09JH067B	0.350	0.351	218	452	4.02	98.17	4	0.3	32	58
09JH067C	0.341	0.394	253	476	4.03	98.12	5	0.3	30	75
09JH068	0.017	0.009	236	916	2.03	98.87	3	0.9	9	34
09JH069	0.157	0.038	201	421	2.84	99.10	4	0.7	11	27
09JH070	0.075	0.013	197	864	2.49	98.76	5	0.7	16	32
09JH071	0.362	0.091	169	443	5.62	98.27	20	1.4	47	66
09JH072	0.101	0.055	253	599	2.18	99.07	12	1.7	8	14
09JH073	0.146	0.130	193	737	2.43	99.14	8	1.4	10	19
09JH074	0.118	0.110	219	491	2.97	98.00	26	1.1	11	32
09JH075	0.168	0.111	190	117	2.38	98.48	9	0.4	16	22
09JH076A	0.089	0.048	488	1146	4.73	98.37	6	2.5	5	2
09JH076B	0.099	0.042	117	217	2.25	98.45	6	1.1	2	2
09JH077A	0.087	0.116	215	1035	2.71	98.72	10	1.8	18	19

Open File NFLD/3228 - Appendix A

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09JH077B	0.010	0.033	69	63	0.42	100.33	3	0.9	1	2
09JH078	0.083	0.083	191	455	3.05	98.19	5	1.3	10	26
09JH079A	0.101	0.124	231	507	3.14	98.28	10	1.3	18	59
09JH079B	0.095	0.111	210	472	3.11	98.23	9	1.2	18	55
09JH080	0.085	0.105	295	312	2.58	98.26	6	1.8	4	4
09JH081	0.086	0.078	192	551	2.11	98.30	10	1.6	9	22
09JH082	0.124	0.528	173	769	2.81	98.28	5	1.8	10	15
09JH083	0.052	0.058	147	635	1.41	100.10	13	0.9	7	14
09JH084A	0.167	0.070	223	515	3.23	98.43	4	1.1	29	92
09JH084B	0.108	0.599	229	572	4.28	98.42	15	1.6	20	75
09JH085	0.120	0.087	202	685	3.23	99.34	4	1.3	27	84
09JH086	0.270	0.040	252	902	3.67	98.16	2	1.5	23	62
09JH088	0.112	0.095	239	676	3.13	99.39	6	1.7	27	72
09JH089A	0.090	0.121	207	433	4.01	99.74	15	1.2	23	87
09JH089B	0.101	0.117	220	573	4.52	98.99	22	1.3	27	87
09JH089C	0.135	0.124	172	348	3.60	100.17	5	1.1	29	87
09JH089D	0.109	0.254	212	573	3.83	98.80	10	1.5	18	68
09JH090	0.274	0.116	237	810	3.74	99.14	4	1.3	24	67
09JH092A	0.103	0.413	259	870	2.95	98.10	5	1.6	21	66
09JH092B	0.180	0.046	234	595	2.99	99.09	3	1.1	24	56
09JH092C	0.087	0.076	212	934	2.90	98.51	4	1.8	21	67
09JH093	0.011	0.038	137	626	1.02	99.54	8	2.2	4	11
09JH094	0.334	0.081	275	441	3.16	99.36	4	1.9	23	30
09JH095	0.026	0.059	206	794	1.44	98.61	10	2.1	13	26
09JH096A	0.008	0.041	151	606	0.80	100.22	10	1.8	6	8
09JH096B	0.024	0.049	130	447	1.01	99.69	7	1.8	4	7
09JH097	0.028	0.031	146	1161	2.18	98.50	5	2.5	3	-1
09JH098	0.163	0.096	247	801	3.56	98.75	4	1.4	35	69
09JH099	0.116	0.187	240	575	3.35	99.84	7	1.4	23	95
09JH100A	0.089	0.108	241	731	3.81	99.77	19	1.6	24	62
09JH100B	0.104	0.117	206	624	4.70	98.48	25	1.5	25	73
09JH101	0.111	0.142	210	708	4.67	98.47	30	1.5	34	81
09JH102A	0.135	0.081	223	559	2.71	98.07	4	1.2	24	59
09JH102B	0.110	0.114	201	316	2.21	99.68	6	0.7	26	61
09JH103	0.275	1.260	286	430	3.37	98.20	8	1.0	42	124
09JH104	0.208	0.189	230	727	3.35	98.16	4	1.6	25	76
09JH105	0.112	0.144	210	523	3.99	98.47	7	1.7	26	74
09JH106	0.089	0.108	211	536	4.32	98.80	12	1.4	25	86
09JH107	0.094	0.193	189	515	3.84	98.28	12	1.4	24	87
09JH108	0.097	0.124	170	402	4.20	98.40	12	1.2	25	64
09JH109A	0.087	0.163	229	522	3.78	98.18	19	1.9	24	80
09JH109B	0.099	0.159	210	522	5.10	98.40	17	1.5	23	72
09JH110	0.080	0.072	227	674	3.17	98.23	27	1.7	14	32
09JH111A	0.111	0.116	210	657	4.48	98.96	23	1.6	24	73
09JH111B	0.210	0.024	176	407	5.80	95.03	16	1.1	44	52
09JH112	0.104	0.121	215	614	4.67	99.06	26	1.5	28	78
09JH113	0.279	0.248	240	607	3.90	98.78	5	1.3	28	57
09JH114	0.142	0.097	232	935	3.71	98.67	23	1.9	25	63
09JH115	0.120	0.083	205	490	3.70	98.84	6	1.2	23	56

Open File NFLD/3228 - Appendix A

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09JH116	0.137	0.131	199	621	5.05	99.47	46	1.4	27	87
09JH117	0.115	0.124	209	683	4.84	99.23	36	1.4	22	82
09JH119A	0.155	0.117	167	639	4.02	99.56	6	2.2	28	85
09JH119B	0.126	0.085	154	528	4.27	98.82	5	2.6	25	73
09JH121	0.088	0.134	183	479	3.83	98.51	6	2.3	25	78
09JH122A	0.109	0.148	179	436	3.96	99.20	5	2.0	25	73
09JH122B	0.110	0.116	170	469	4.29	99.47	5	2.3	24	75
09JH125	0.164	0.084	222	636	3.51	98.22	4	1.7	26	92
09JH128	0.126	0.139	294	385	3.99	99.85	8	2.2	20	46
09JH130	0.130	0.253	273	1007	3.64	100.57	8	1.5	31	65
09JH135	0.194	0.227	251	404	3.02	100.34	9	1.9	28	75
09JH136	0.192	0.219	220	423	3.23	99.53	9	1.8	23	76
10JH004A01	0.113	0.097	279	535	2.50	97.93	12	1.8	16	51
10JH005A01	0.079	0.074	245	698	2.93	98.66	7	1.8	16	37
10JH006A01	0.126	0.167	225	478	2.67	97.88	3	1.3	19	37
10JH007A01	0.088	0.109	217	608	3.68	98.62	5	1.8	17	52
10JH008A01	0.117	0.121	211	578	2.74	97.05	3	1.6	19	34
10JH009A01	0.342	1.369	172	349	12.64	99.49	4	1.3	11	40
10JH010A01	0.082	0.058	230	1005	3.35	99.31	4	1.9	16	32
10JH011A01	0.076	0.042	234	903	2.50	97.44	6	1.9	13	26
10JH012A01	0.103	0.129	257	508	2.99	98.36	4	1.6	19	59
10JH013A01	0.079	0.086	268	526	2.74	98.04	4	1.7	18	62
10JH014A01	0.072	0.086	228	512	3.14	97.92	5	1.8	18	61
10JH015A01	0.101	0.109	187	590	2.77	98.16	10	2.0	19	50
10JH016A01	0.120	0.129	200	451	4.09	97.88	23	1.7	20	62
10JH018A02	0.109	0.137	178	444	2.87	97.95	5	1.3	24	48
10JH019A01	0.201	0.214	213	478	4.90	99.72	11	1.7	33	68
10JH020A01	0.129	0.039	197	414	2.34	97.91	2	1.4	24	34
10JH021A01	0.117	0.059	168	666	2.82	98.21	4	1.4	28	63
10JH022A01	0.166	0.132	222	703	3.44	99.87	8	1.6	33	106
10JH023A01	0.196	0.168	169	668	3.60	100.61	4	1.4	35	97
10JH024A01	0.018	0.051	300	387	1.33	94.44	3	0.9	7	55
10JH025A01	0.145	0.091	201	786	3.03	98.64	9	1.5	26	60
10JH026A01	0.013	0.003	48	307	1.05	98.02	144	0.3	2	5
10JH026A02	0.012	-0.001	37	78	0.68	97.02	24	0.2	2	4
10JH027A01	0.205	0.033	242	733	3.30	100.61	3	1.7	26	56
10JH033A02	0.090	0.095	167	635	2.28	96.00	6	1.7	18	38
10JH034A02	0.085	0.092	223	1050	2.61	99.45	4	1.7	19	61
10JH036A01	0.064	0.056	138	850	2.93	97.13	5	1.7	5	8
10JH038A01	0.212	0.492	180	448	10.91	99.07	3	1.4	22	13
10JH039A01	0.056	0.024	106	224	1.95	98.36	2	1.0	8	20
10JH040A01	0.149	0.042	251	629	3.24	98.96	3	1.3	24	80
10JH040A02	0.103	0.045	595	201	1.40	99.30	7	1.1	18	65
10JH041A01	0.165	0.069	198	637	2.45	97.13	3	1.4	15	33
10JH041A02	0.085	0.034	205	831	2.36	98.08	5	1.7	15	36

Open File NFLD/3228 - Appendix A

Sample Number Method and units	Cu	Li	Nb	Ni	P	Pb	Rb	Sc	Sr	V	Zn
	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)
09JH002	21	52.7	9	11	418	-1	28	9.9	139	69	33
09JH003	21	61.6	13	20	470	23	95	17.5	101	101	75
09JH004A	28	12.7	16	-1	141	3	134	12.2	249	-1	51
09JH008A	5	44.6	14	19	942	-1	118	21.2	85	149	102
09JH008B	46	43.3	14	18	1040	-1	130	23.4	88	139	103
09JH008C	48	40.3	13	17	354	-1	118	20.9	98	136	88
09JH008D	51	53.8	8	17	468	1	54	14.8	158	145	96
09JH008E	61	42.5	16	20	1259	-1	136	25.7	79	189	93
09JH008F	60	78.7	11	19	509	-1	48	17.1	140	232	116
09JH008G	63	82.8	14	18	878	-1	63	21.0	126	223	106
09JH008H	63	80.1	12	16	671	-1	73	23.1	84	248	94
09JH008J	463	64.3	13	18	410	14	71	22.5	77	147	80
09JH008K	416	74.4	15	20	506	13	74	25.2	75	158	89
09JH008L	5062	74.8	14	13	578	24	77	25.5	74	159	91
09JH008M	7966	66.6	13	14	404	13	71	22.6	76	152	86
09JH008N	171	69.1	12	16	65	-1	67	21.0	99	153	93
09JH008O	3	22.3	-1	-1	6	2	-2	0.5	5	1	3
09JH008P	324	84.8	14	19	738	-1	86	21.7	63	185	103
09JH008Q	-1	32.4	15	25	820	-1	136	23.4	90	138	121
09JH009	21	42.5	15	17	814	4	108	20.7	108	133	90
09JH010	99	79.6	13	14	507	-1	75	20.1	79	224	98
09JH011	60	63.1	14	14	366	32	77	24.5	69	158	102
09JH012	19	71.8	11	14	747	2	74	22.1	82	145	85
09JH013	-1	20.5	12	12	744	-1	70	13.1	133	144	62
09JH014	16	16.7	17	9	169	2	92	10.7	97	77	58
09JH015	6	25.1	18	13	504	4	96	13.9	116	104	72
09JH016A	23	37.8	11	12	430	-1	101	17.2	79	93	83
09JH016B	11	62.7	12	10	571	-1	83	17.8	66	96	92
09JH016C	7	29.3	13	11	360	3	91	15.2	134	91	75
09JH017	-1	32.1	17	22	887	3	130	23.8	103	145	105
09JH018	28	76.5	15	24	1549	-1	84	20.6	101	184	140
09JH019	17	99.1	15	25	1306	-1	85	24.3	86	183	126
09JH020	-1	12.2	9	5	106	-1	37	7.6	149	48	43
09JH021	6	21.3	12	8	128	-1	101	13.5	77	63	66
09JH022	9	33.1	9	7	112	-1	82	12.4	85	68	71
09JH023	14	38.5	10	10	42	-1	91	14.1	69	74	76
09JH024	10	8.6	11	4	634	2	112	13.9	76	85	36
09JH025	1	8.5	8	4	29	-1	49	7.5	142	32	34
09JH026	29	85.3	10	22	430	-1	71	20.2	107	593	101
09JH027	-1	33.3	13	23	800	-1	147	23.2	107	119	106
09JH028	40	78.4	12	24	753	-1	81	21.7	91	155	111
09JH029	6	22.7	11	12	270	-1	64	11.3	140	78	65
09JH030	3	22.1	12	12	275	3	62	11.7	140	92	59
09JH031	-1	9.4	13	5	45	5	67	12.5	157	57	41
09JH032A	27	43.4	12	16	450	20	48	14.7	143	131	76
09JH032B	22	46.7	13	16	476	11	43	15.4	136	132	81
09JH033	-1	23.8	15	17	364	4	100	18.8	131	168	77
09JH034	-1	35.4	21	12	156	-1	141	10.3	161	97	75
09JH035	139	105.0	21	14	275	-1	111	13.9	168	112	111

Open File NFLD/3228 - Appendix A

Sample Number Method and units	Cu	Li	Nb	Ni	P	Pb	Rb	Sc	Sr	V	Zn
	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)
09JH036	5	80.4	23	20	668	-1	266	19.6	132	143	143
09JH037	4	41.9	24	14	85	7	332	15.1	63	125	184
09JH038	3	64.7	19	9	335	-1	252	15.3	76	179	86
09JH039	-1	27.6	22	11	175	-1	328	15.0	71	99	117
09JH040	6	19.7	20	10	294	11	337	16.2	54	135	73
09JH041	47	90.6	18	10	116	-1	228	13.3	65	74	175
09JH042	8	69.8	20	7	112	-1	192	14.4	90	66	97
09JH043	-1	22.7	23	7	41	-1	331	15.5	91	51	76
09JH044	4	22.4	12	4	67	-1	92	6.8	157	22	51
09JH045	-1	81.2	31	24	948	4	314	22.9	127	158	144
09JH046	17	168.8	24	20	805	-1	230	23.0	62	1246	130
09JH047	37	163.0	29	26	2399	-1	157	25.4	116	241	158
09JH048	4	44.1	12	21	2748	2	129	23.7	125	170	118
09JH049	5	21.2	13	11	170	4	78	11.2	136	73	60
09JH050	114	94.8	14	23	753	-1	58	21.0	96	305	115
09JH051	246	81.5	12	20	702	-1	76	21.3	94	270	98
09JH052	-1	22.1	12	13	114	3	62	13.3	172	161	61
09JH053	56	92.0	14	25	1136	-1	57	21.2	115	169	119
09JH055A	2	40.2	18	23	1453	3	145	25.5	81	167	96
09JH055B	37	59.2	14	25	677	-1	89	19.7	113	187	118
09JH056	20	81.7	13	21	809	-1	75	20.9	104	177	105
09JH057	1	73.3	15	22	460	-1	87	24.5	105	167	87
09JH058	-1	23.1	14	16	509	-1	83	17.6	175	251	81
09JH059A	33	43.2	11	11	121	-1	107	15.4	62	159	87
09JH059B	2	46.4	12	10	214	-1	93	15.8	71	76	86
09JH060	5	22.4	11	8	167	-1	99	14.8	79	69	63
09JH061A	3	40.9	15	21	1793	-1	94	20.0	132	157	110
09JH061B	59	48.0	12	14	430	-1	42	13.5	153	158	80
09JH061C	38	80.4	11	19	575	-1	32	13.6	128	175	103
09JH062A	180	117.2	14	24	530	-1	30	18.6	92	237	131
09JH062B	79	110.1	16	22	1158	-1	58	23.3	82	315	117
09JH063	43	61.2	14	23	480	27	81	25.4	93	162	98
09JH064	43	77.9	14	29	895	25	80	26.3	94	163	112
09JH065A	241	83.7	16	22	882	-1	86	24.8	95	182	99
09JH065B	263	82.7	13	20	625	16	42	20.1	124	174	109
09JH066	9	48.8	14	25	1271	3	122	22.4	79	154	110
09JH067B	82	112.8	15	19	1539	-1	53	23.4	102	169	114
09JH067C	150	109.3	17	20	1683	-1	56	24.2	114	186	115
09JH068	-1	5.3	11	4	53	-1	107	12.8	72	161	35
09JH069	12	60.3	11	10	174	-1	46	12.8	107	66	98
09JH070	7	23.0	11	10	52	6	110	15.4	63	92	73
09JH071	117	125.5	13	55	377	1502	98	24.7	172	129	155
09JH072	906	35.7	10	3	269	-1	75	11.2	197	27	24
09JH073	207	27.6	7	5	592	-1	105	15.3	98	55	59
09JH074	154	44.6	11	7	516	160	91	19.8	165	90	58
09JH075	7531	37.0	10	5	415	6	14	13.4	164	75	83
09JH076A	13	15.9	26	1	208	-1	138	5.4	111	6	57
09JH076B	-1	9.1	8	-1	199	5	34	3.0	460	6	19
09JH077A	36	26.5	10	7	537	-1	111	15.1	118	64	67

Open File NFLD/3228 - Appendix A

Sample Number Method and units	Cu	Li	Nb	Ni	P	Pb	Rb	Sc	Sr	V	Zn
	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)
09JH077B	3	4.7	5	-1	153	-1	4	2.2	155	1	9
09JH078	20	54.6	10	7	379	-1	63	15.0	104	66	93
09JH079A	20	45.7	14	15	570	8	106	18.9	133	105	86
09JH079B	20	46.6	13	18	526	15	106	18.4	131	98	91
09JH080	193	13.4	7	1	496	-1	102	12.7	96	21	54
09JH081	180	29.5	9	6	374	-1	96	11.0	83	43	35
09JH082	225	36.6	9	6	2384	-1	108	9.9	151	40	85
09JH083	580	18.0	6	3	265	-1	46	7.9	100	24	21
09JH084A	-1	43.8	17	26	320	-1	66	21.2	212	159	101
09JH084B	15	43.9	15	17	2676	-1	86	25.9	164	148	79
09JH085	6	32.8	13	30	390	-1	80	19.9	220	135	96
09JH086	42	53.9	16	20	175	-1	113	19.5	68	135	102
09JH088	3	27.4	16	24	403	1	93	21.1	248	146	105
09JH089A	419	37.3	13	18	531	15	61	20.2	146	149	64
09JH089B	1899	34.5	14	17	527	21	80	22.0	109	153	74
09JH089C	10	43.0	13	30	558	-1	44	18.7	144	136	94
09JH089D	166	41.8	16	20	1160	-1	80	22.4	160	154	86
09JH090	117	54.6	12	20	524	-1	90	20.3	104	142	113
09JH092A	3	27.5	15	19	1935	3	99	20.0	200	126	80
09JH092B	29	38.1	14	16	220	-1	71	16.3	165	112	98
09JH092C	2	23.2	15	21	355	2	107	20.3	164	125	75
09JH093	10	12.7	10	2	185	5	73	4.7	95	30	21
09JH094	12	95.6	24	17	376	-1	93	11.6	75	55	170
09JH095	4	26.5	13	54	275	3	80	8.4	75	41	62
09JH096A	4	9.5	12	8	197	2	64	3.9	100	18	23
09JH096B	3	17.6	7	1	233	-1	60	5.1	100	27	37
09JH097	14	10.7	10	-1	119	-1	131	9.0	72	-1	35
09JH098	63	48.1	15	27	449	-1	99	24.6	192	148	151
09JH099	6	44.3	14	23	795	-1	71	23.2	101	154	83
09JH100A	1370	36.4	15	21	470	-1	92	24.5	165	143	70
09JH100B	34	40.9	15	28	544	29	85	24.1	156	154	75
09JH101	3353	41.0	15	28	633	11	92	26.3	137	152	74
09JH102A	5373	40.5	12	15	363	-1	56	19.2	257	160	105
09JH102B	10	31.7	14	16	520	3	38	17.7	243	167	99
09JH103	123	58.4	16	33	5707	-1	58	23.0	192	178	167
09JH104	122	43.0	15	20	865	-1	88	21.7	168	143	98
09JH105	1316	41.9	14	27	646	-1	80	24.2	207	161	87
09JH106	20	37.5	14	23	479	19	76	23.3	160	160	100
09JH107	30	42.0	14	27	904	9	74	22.7	157	142	95
09JH108	203	37.7	14	26	575	10	66	18.9	168	124	66
09JH109A	13	41.0	16	29	732	-1	84	23.4	172	167	94
09JH109B	40	35.2	16	22	733	20	84	23.7	185	157	64
09JH110	26	53.1	12	20	339	10	78	17.7	167	81	51
09JH111A	36	47.3	15	22	521	13	85	24.9	197	170	117
09JH111B	67	32.3	13	18	119	268	47	16.6	246	119	96
09JH112	75	46.6	15	29	554	7	80	24.7	168	164	81
09JH113	97	58.9	17	23	1125	-1	82	26.1	199	180	114
09JH114	24	62.6	16	22	428	-1	83	24.9	182	167	113
09JH115	121	28.5	13	13	373	-1	57	17.2	185	151	77

Open File NFLD/3228 - Appendix A

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	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)
09JH116	99	43.1	15	28	589	43	79	25.4	161	155	80
09JH117	41	40.2	15	23	541	21	84	25.4	148	153	72
09JH119A	7156	71.7	13	34	396	-1	125	21.9	81	216	118
09JH119B	2	44.6	15	41	403	-1	144	20.8	76	108	104
09JH121	654	42.7	12	34	612	-1	125	19.0	68	119	109
09JH122A	802	47.4	12	33	677	-1	116	18.1	77	109	107
09JH122B	61	43.2	13	35	500	-1	138	18.7	71	104	101
09JH125	14	46.3	15	27	391	-1	75	25.6	259	173	89
09JH128	18	91.2	19	17	597	16	115	19.4	104	113	122
09JH130	20	23.4	16	22	1154	-1	110	22.1	282	177	112
09JH135	38	26.7	15	31	1053	2	60	23.5	346	147	108
09JH136	4135	25.3	13	22	992	-1	46	21.7	498	165	109
10JH004A01	17	40.7	13	14	408	84	100	14.6	160	94	151
10JH005A01	684	29.0	11	11	333	-1	88	15.6	161	96	33
10JH006A01	2	33.6	15	10	732	1	85	19.1	395	103	88
10JH007A01	9	36.3	13	12	509	-1	111	20.4	91	127	49
10JH008A01	10	34.6	16	11	525	-1	107	18.9	362	94	91
10JH009A01	5	28.0	8	9	5901	-1	62	14.1	214	82	34
10JH010A01	-1	25.9	15	10	275	-1	159	20.9	217	111	75
10JH011A01	2	16.7	13	7	206	2	139	17.5	293	98	55
10JH012A01	34	38.8	12	13	557	1	90	16.8	161	105	61
10JH013A01	13	32.6	12	16	374	-1	88	15.8	206	95	62
10JH014A01	13	31.8	11	14	404	-1	100	15.5	198	93	67
10JH015A01	10	42.4	12	18	499	-1	103	16.0	171	93	87
10JH016A01	29	35.0	13	25	539	48	91	19.8	70	124	72
10JH018A02	9	23.1	11	21	592	-1	62	18.9	228	166	83
10JH019A01	45	39.5	14	26	918	376	86	23.3	180	140	90
10JH020A01	10	28.5	14	16	187	-1	54	10.3	122	67	121
10JH021A01	4	33.0	11	24	268	-1	90	16.2	202	116	95
10JH022A01	28	39.2	15	28	579	-1	71	23.7	251	172	95
10JH023A01	30	53.4	17	25	744	-1	52	20.9	386	173	121
10JH024A01	12	3.2	7	4	266	-1	60	7.3	17	75	15
10JH025A01	13	26.1	13	21	419	-1	106	19.0	154	152	75
10JH026A01	3	9.0	2	-1	40	4	14	1.4	8	9	23
10JH026A02	6	2.6	-1	2	14	5	7	0.6	15	3	25
10JH027A01	19	35.4	16	20	173	-1	113	18.4	147	143	84
10JH033A02	8	27.7	10	27	452	4	97	14.8	247	64	57
10JH034A02	4	31.2	11	24	413	-1	133	15.7	221	104	60
10JH036A01	312	9.5	7	2	267	-1	110	8.0	169	22	35
10JH038A01	30	55.5	13	12	2131	-1	67	24.0	219	95	90
10JH039A01	218	13.3	6	6	112	-1	25	6.9	206	56	31
10JH040A01	8	44.9	14	18	191	-1	90	19.8	185	143	74
10JH040A02	4	13.2	12	7	213	14	29	12.8	371	98	65
10JH041A01	23	23.8	10	10	323	-1	84	13.2	124	79	73
10JH041A02	4	15.4	11	10	177	-1	110	14.7	98	84	71

Open File NFLD/3228 - Appendix A

Sample Number	Ag	Ga	Ge	Y	In	Sn	Sb	Cs	La	Ce
Method and units	GS BPD (ppm)	AL 4B2Std (ppm)	AL 4B2Std (ppm)	AL 4B2Std (ppm)	AL 4B2Std (ppm)	AL 4B2Std (ppm)	AL 4B2Std (ppm)	AL 4B2Std (ppm)	AL 4B2Std (ppm)	AL 4B2Std (ppm)
09JH002	-0.1	13	1	26	-0.2	3	-0.5	1.0	24.8	48.0
09JH003	-0.1	18	2	33	-0.2	4	-0.5	3.8	22.9	46.0
09JH004A	-0.1	21	2	81	-0.2	11	1.2	3.9	52.5	107
09JH008A	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008B	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008C	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008D	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008E	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008F	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008G	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008H	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008J	1.4	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008K	1.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008L	9.5	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008M	7.6	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008N	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008O	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008P	0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008Q	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH009	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH010	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH011	0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH012	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH013	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH014	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH015	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH016A	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH016B	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH016C	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH017	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH018	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH019	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH020	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH021	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH022	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH023	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH024	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH025	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH026	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH027	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH028	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH029	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH030	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH031	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH032A	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH032B	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH033	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH034	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH035	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99

Open File NFLD/3228 - Appendix A

Sample Number Method and units	Ag GS BPD (ppm)	Ga AL 4B2Std (ppm)	Ge AL 4B2Std (ppm)	Y	In AL 4B2Std (ppm)	Sn AL 4B2Std (ppm)	Sb AL 4B2Std (ppm)	Cs AL 4B2Std (ppm)	La AL 4B2Std (ppm)	Ce AL 4B2Std (ppm)
09JH036	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH037	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH038	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH039	-0.1	17	17	2	-0.2	4	-0.5	4.2	29.6	63.4
09JH040	-0.1	17	17	2	-0.2	4	-0.5	4.0	12.0	29.7
09JH041	-0.1	16	16	2	-0.2	4	-0.5	2.7	11.2	28.8
09JH042	-0.1	15	15	1	-0.2	4	-0.5	1.8	6.9	18.2
09JH043	-0.1	17	17	2	-0.2	4	1.5	4.3	21.4	40.3
09JH044	-0.1	10	10	1	-0.2	2	-0.5	1.2	16.0	30.9
09JH045	-0.1	21	21	2	-0.2	5	0.9	3.9	31.4	69.9
09JH046	-0.1	22	22	2	-0.2	5	-0.5	2.6	20.2	42.5
09JH047	-0.1	20	20	2	-0.2	5	-0.5	1.7	32.9	76.8
09JH048	-0.1	22	22	2	-0.2	4	-0.5	4.5	39.9	84.0
09JH049	-0.1	14	14	2	-0.2	4	0.8	2.5	32.0	55.2
09JH050	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH051	0.6	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH052	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH053	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH055A	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH055B	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH056	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH057	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH058	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH059A	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH059B	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH060	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH061A	-0.1	18	18	2	-0.2	4	-0.5	2.9	24.6	57.0
09JH061B	-0.1	13	13	2	-0.2	3	-0.5	1.3	25.2	46.4
09JH061C	-0.1	14	14	2	-0.2	3	-0.5	1.2	23.4	55.5
09JH062A	-0.1	18	18	2	-0.2	3	0.9	1.5	23.4	45.3
09JH062B	-0.1	21	21	2	-0.2	4	-0.5	1.9	25.8	53.3
09JH063	-0.1	21	21	1	-0.2	4	-0.5	2.2	31.6	66.8
09JH064	0.2	21	21	1	-0.2	4	-0.5	2.5	32.6	66.8
09JH065A	-0.1	21	21	2	-0.2	5	-0.5	2.3	34.0	73.0
09JH065B	-0.1	16	16	2	-0.2	3	-0.5	1.8	25.6	51.6
09JH066	-0.1	21	21	2	-0.2	4	-0.5	4.2	21.5	49.5
09JH067B	-0.1	22	22	2	-0.2	4	0.9	1.9	27.6	60.5
09JH067C	-0.1	20	20	2	-0.2	4	-0.5	2.1	41.5	84.1
09JH068	-0.1	15	15	1	-0.2	4	-0.5	3.4	11.3	26.4
09JH069	-0.1	15	15	1	-0.2	4	-0.5	1.5	21.5	48.7
09JH070	-0.1	16	16	1	-0.2	4	-0.5	3.0	8.4	23.1
09JH071	0.4	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH072	0.7	15	15	1	-0.2	4	0.9	3.1	37.6	41.9
09JH073	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH074	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH075	2.3	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH076A	-0.1	24	24	2	-0.2	18	-0.5	7.2	72.9	140
09JH076B	-0.1	9	9	2	-0.2	2	2.2	1.8	38.2	69.0
09JH077A	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99

Open File NFLD/3228 - Appendix A

Sample Number Method and units	Ag GS BPD (ppm)	Ga AL 4B2Std (ppm)	Ge AL 4B2Std (ppm)	Y	In AL 4B2Std (ppm)	Sn AL 4B2Std (ppm)	Sb AL 4B2Std (ppm)	Cs AL 4B2Std (ppm)	La AL 4B2Std (ppm)	Ce AL 4B2Std (ppm)
09JH077B	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH078	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH079A	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH079B	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH080	-0.1	20	1	61	-0.2	6	-0.5	3.9	38.1	94.0
09JH081	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH082	0.3	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH083	0.4	11	1	19	-0.2	3	0.9	1.0	16.5	30.6
09JH084A	-0.1	18	2	30	-0.2	4	-0.5	2.4	30.9	57.7
09JH084B	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH085	-0.1	17	2	26	-0.2	4	0.7	2.8	21.8	44.3
09JH086	0.2	21	2	29	-0.2	5	-0.5	2.5	5.9	21.0
09JH088	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH089A	0.9	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH089B	1.5	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH089C	-0.1	17	2	23	-0.2	3	0.9	2.3	22.4	32.7
09JH089D	-0.1	20	1	32	-0.2	4	-0.5	2.5	15.9	43.5
09JH090	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH092A	-0.1	19	2	37	-0.2	5	0.6	3.3	29.3	67.3
09JH092B	-0.1	17	2	28	-0.2	4	-0.5	2.3	18.0	43.8
09JH092C	-0.1	19	2	30	-0.2	4	-0.5	3.2	14.4	34.7
09JH093	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH094	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH095	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH096A	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH096B	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH097	-0.1	15	-1	36	-0.2	7	-0.5	4.6	10.5	36.4
09JH098	-0.1	20	2	35	-0.2	5	-0.5	3.6	26.7	51.3
09JH099	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH100A	0.4	22	2	32	-0.2	4	1.2	2.9	14.2	31.9
09JH100B	-0.1	19	1	33	-0.2	4	0.5	2.4	28.4	59.4
09JH101	2.8	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH102A	1.8	17	2	29	-0.2	4	-0.5	2.3	29.9	46.4
09JH102B	-0.1	14	3	26	-0.2	4	1.2	1.9	23.0	48.8
09JH103	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH104	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH105	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH106	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH107	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH108	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH109A	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH109B	-0.1	20	2	31	-0.2	4	1.4	3.5	8.8	16.6
09JH110	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH111A	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH111B	0.4	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH112	-0.1	21	2	33	-0.2	4	1.1	2.4	18.4	39.8
09JH113	-0.1	23	2	39	-0.2	5	-0.5	2.2	29.3	67.3
09JH114	-0.1	23	2	38	-0.2	4	0.9	1.6	27.7	55.8
09JH115	0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99

Open File NFLD/3228 - Appendix A

Sample Number Method and units	Ag GS BPD (ppm)	Ga AL 4B2Std (ppm)	Ge AL 4B2Std (ppm)	Y	In AL 4B2Std (ppm)	Sn AL 4B2Std (ppm)	Sb AL 4B2Std (ppm)	Cs AL 4B2Std (ppm)	La AL 4B2Std (ppm)	Ce AL 4B2Std (ppm)
09JH116	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH117	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH119A	2.7	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH119B	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH121	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH122A	0.3	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH122B	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH125	-0.1	22	2	32	-0.2	5	-0.5	2.2	33.1	63.7
09JH128	-0.1	22	2	39	-0.2	6	-0.5	3.9	18.6	42.0
09JH130	-0.1	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH135	-0.1	21	2	50	-0.2	6	0.9	3.9	36.9	79.1
09JH136	0.7	20	2	41	-0.2	5	0.8	2.7	30.1	71.8
10JH004A01	-0.1	19	2	25	-0.2	2	-0.5	4.2	30.0	58.7
10JH005A01	-0.1	20	2	30	-0.2	2	3.1	3.1	30.7	63.3
10JH006A01	-0.1	20	2	39	-0.2	2	-0.5	2.2	30.7	67.1
10JH007A01	-0.1	23	2	27	-0.2	2	-0.5	3.0	16.2	36.7
10JH008A01	-0.1	21	2	37	-0.2	2	-0.5	3.3	32.9	71.3
10JH009A01	-0.1	14	2	51	-0.2	2	-0.5	1.6	28.5	72.6
10JH010A01	-0.1	25	2	35	-0.2	3	-0.5	5.1	17.6	43.0
10JH011A01	-0.1	22	2	37	-0.2	3	-0.5	4.3	20.2	57.8
10JH012A01	-0.1	19	2	27	-0.2	2	-0.5	4.1	22.8	48.3
10JH013A01	-0.1	19	2	26	-0.2	2	-0.5	4.4	26.7	59.9
10JH014A01	-0.1	18	2	27	-0.2	2	-0.5	4.4	21.1	48.7
10JH015A01	-0.1	21	2	32	-0.2	2	-0.5	4.6	36.9	74.1
10JH016A01	0.1	22	2	31	-0.2	2	-0.5	5.0	35.9	77.8
10JH018A02	-0.1	19	2	28	-0.2	2	-0.5	2.8	22.7	53.1
10JH019A01	0.2	22	2	34	-0.2	2	0.5	4.2	30.7	67.3
10JH020A01	0.1	16	2	22	-0.2	2	-0.5	2.1	19.4	49.6
10JH021A01	-0.1	18	2	21	-0.2	1	-0.5	3.7	25.0	54.9
10JH022A01	0.2	24	2	32	-0.2	2	-0.5	2.5	26.8	62.3
10JH023A01	0.2	21	2	27	-0.2	2	-0.5	2.5	28.0	58.5
10JH024A01	-0.1	10	2	32	-0.2	2	-0.5	1.9	28.4	52.1
10JH025A01	-0.1	21	2	27	-0.2	2	-0.5	4.6	27.0	60.3
10JH026A01	0.1	3	1	3	-0.2	-1	0.9	0.9	5.0	9.0
10JH026A02	-0.1	2	-1	5	-0.2	-1	-0.5	-0.5	18.3	33.1
10JH027A01	-0.1	21	2	30	-0.2	3	0.7	4.8	29.1	55.2
10JH033A02	-0.1	17	2	21	-0.2	2	0.9	5.5	22.4	42.1
10JH034A02	-0.1	18	2	28	-0.2	1	-0.5	5.2	29.3	59.6
10JH036A01	-0.1	14	2	28	-0.2	2	0.8	5.5	28.3	53.2
10JH038A01	0.1	18	2	49	-0.2	3	-0.5	2.4	40.5	72.4
10JH039A01	-0.1	9	2	11	-0.2	1	-0.5	1.5	13.9	25.2
10JH040A01	-0.1	20	2	26	-0.2	3	0.7	2.7	21.5	45.6
10JH040A02	-0.1	12	3	33	-0.2	2	-0.5	1.7	30.1	69.0
10JH041A01	-0.1	17	2	24	-0.2	2	0.6	2.5	11.6	43.8
10JH041A02	-0.1	19	2	24	-0.2	3	0.9	3.5	20.0	52.1

Open File NFLD/3228 - Appendix A

Sample Number	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm
Method and units	AL 4B2Std (ppm)	AL 4B2Std (ppm)	AL 4B2Std (ppm)	AL 4B2Std (ppm)	AL 4B2Std (ppm)	AL 4B2Std (ppm)	AL 4B2Std (ppm)	AL 4B2Std (ppm)	AL 4B2Std (ppm)	AL 4B2Std (ppm)
09JH002	6.00	22.7	5.0	1.37	4.7	0.8	4.7	0.9	2.7	0.41
09JH003	5.54	21.4	4.9	1.23	5.3	0.9	5.7	1.1	3.4	0.50
09JH004A	13.0	49.0	11.8	1.40	12.1	2.2	13.8	2.8	8.2	1.23
09JH008A	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008B	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008C	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008D	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008E	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008F	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008G	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008H	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008J	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008K	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008L	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008M	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008N	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008O	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008P	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008Q	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH009	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH010	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH011	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH012	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH013	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH014	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH015	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH016A	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH016B	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH016C	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH017	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH018	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH019	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH020	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH021	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH022	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH023	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH024	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH025	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH026	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH027	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH028	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH029	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH030	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH031	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH032A	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH032B	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH033	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH034	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH035	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99

Open File NFLD/3228 - Appendix A

Sample Number Method and units	Pr AL 4B2Std (ppm)	Nd AL 4B2Std (ppm)	Sm AL 4B2Std (ppm)	Eu AL 4B2Std (ppm)	Gd AL 4B2Std (ppm)	Tb AL 4B2Std (ppm)	Dy AL 4B2Std (ppm)	Ho AL 4B2Std (ppm)	Er AL 4B2Std (ppm)	Tm AL 4B2Std (ppm)
09JH036	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH037	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH038	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH039	7.13	27.3	6.1	1.39	5.6	1.0	5.6	1.1	3.3	0.50
09JH040	3.13	13.0	3.8	0.98	4.2	0.8	4.9	1.0	3.0	0.47
09JH041	2.69	11.3	3.2	0.90	3.7	0.7	4.4	0.9	2.8	0.46
09JH042	2.15	9.7	2.8	0.85	3.5	0.6	3.9	0.8	2.5	0.40
09JH043	3.68	11.6	1.7	0.33	1.3	0.2	1.5	0.4	1.7	0.31
09JH044	4.26	16.2	3.8	1.06	3.5	0.6	3.4	0.7	1.9	0.30
09JH045	7.93	30.0	6.5	1.64	6.1	1.0	5.8	1.1	3.4	0.51
09JH046	5.51	21.9	5.4	1.31	5.4	1.0	5.6	1.1	3.4	0.51
09JH047	8.88	34.4	7.7	1.77	7.6	1.3	7.7	1.5	4.2	0.61
09JH048	11.4	47.2	10.4	2.53	9.0	1.4	7.6	1.4	3.7	0.52
09JH049	7.37	27.2	5.7	1.21	5.1	0.9	5.1	1.0	3.0	0.46
09JH050	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH051	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH052	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH053	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH055A	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH055B	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH056	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH057	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH058	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH059A	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH059B	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH060	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH061A	6.40	25.3	6.1	1.52	6.1	1.0	5.7	1.1	3.3	0.50
09JH061B	5.96	22.3	4.8	1.36	4.6	0.8	4.7	0.9	2.7	0.42
09JH061C	6.10	23.7	5.2	1.53	4.9	0.8	4.7	0.9	2.5	0.39
09JH062A	5.74	23.1	5.7	2.54	6.0	1.0	5.7	1.1	3.0	0.44
09JH062B	6.78	25.9	5.9	1.58	5.7	1.0	5.8	1.2	3.4	0.52
09JH063	8.48	34.0	8.0	2.04	7.9	1.3	7.1	1.4	3.9	0.59
09JH064	8.26	32.4	7.2	1.43	6.8	1.2	6.7	1.3	3.8	0.58
09JH065A	8.76	33.0	7.0	1.72	6.6	1.1	6.5	1.3	3.8	0.57
09JH065B	6.21	23.6	5.4	2.16	5.7	1.0	5.4	1.0	2.9	0.43
09JH066	6.04	24.4	6.5	1.48	6.8	1.2	6.6	1.3	3.6	0.54
09JH067B	7.79	31.7	7.0	1.67	6.7	1.1	6.5	1.3	3.8	0.56
09JH067C	10.5	41.7	8.8	2.07	7.9	1.2	6.9	1.4	4.0	0.59
09JH068	3.85	17.1	5.0	1.21	4.8	0.8	4.8	0.9	2.8	0.42
09JH069	5.91	24.3	6.5	1.85	6.5	1.1	5.9	1.1	3.1	0.48
09JH070	2.44	10.3	2.6	0.62	2.6	0.5	3.1	0.7	2.5	0.43
09JH071	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH072	7.85	30.4	6.2	1.30	5.5	0.9	5.2	1.1	3.7	0.59
09JH073	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH074	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH075	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH076A	16.1	56.9	11.5	1.22	11.1	2.1	13.2	2.8	8.4	1.32
09JH076B	7.20	24.1	4.2	0.90	3.3	0.5	2.9	0.6	1.8	0.28
09JH077A	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99

Open File NFLD/3228 - Appendix A

Sample Number Method and units	Pr AL 4B2Std (ppm)	Nd AL 4B2Std (ppm)	Sm AL 4B2Std (ppm)	Eu AL 4B2Std (ppm)	Gd AL 4B2Std (ppm)	Tb AL 4B2Std (ppm)	Dy AL 4B2Std (ppm)	Ho AL 4B2Std (ppm)	Er AL 4B2Std (ppm)	Tm AL 4B2Std (ppm)
09JH077B	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH078	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH079A	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH079B	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH080	12.3	48.9	11.4	1.46	10.6	1.8	10.7	2.2	6.6	1.02
09JH081	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH082	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH083	4.07	15.6	3.3	0.64	2.9	0.5	3.2	0.7	2.2	0.36
09JH084A	6.92	26.3	5.7	1.63	5.7	0.9	5.3	1.1	3.1	0.48
09JH084B	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH085	4.88	18.1	4.2	1.18	4.3	0.7	4.6	0.9	2.8	0.45
09JH086	1.63	6.3	2.0	0.47	2.8	0.7	5.1	1.1	3.4	0.56
09JH088	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH089A	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH089B	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH089C	5.43	21.6	4.7	1.26	4.5	0.8	4.3	0.8	2.4	0.38
09JH089D	4.76	19.4	5.1	1.26	5.4	1.0	5.9	1.2	3.5	0.54
09JH090	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH092A	7.53	30.3	7.2	1.76	7.4	1.2	6.8	1.3	3.8	0.57
09JH092B	4.34	16.3	4.0	1.10	4.4	0.8	4.9	1.0	3.1	0.48
09JH092C	3.82	14.8	4.1	1.13	5.0	0.9	5.8	1.1	3.3	0.50
09JH093	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH094	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH095	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH096A	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH096B	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH097	2.77	11.0	3.2	0.41	4.2	0.9	6.4	1.4	4.4	0.70
09JH098	6.83	26.1	5.8	1.58	6.0	1.0	6.1	1.2	3.7	0.57
09JH099	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH100A	3.88	15.7	4.3	1.13	4.5	0.9	5.6	1.2	3.6	0.58
09JH100B	7.30	28.7	6.7	1.66	6.4	1.0	6.1	1.2	3.5	0.52
09JH101	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH102A	6.84	26.4	5.6	1.26	5.3	0.9	5.5	1.1	3.1	0.48
09JH102B	6.07	23.4	5.1	1.42	4.8	0.8	4.6	0.9	2.6	0.41
09JH103	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH104	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH105	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH106	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH107	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH108	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH109A	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH109B	2.20	10.7	3.5	1.05	4.3	0.9	5.4	1.1	3.2	0.49
09JH110	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH111A	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH111B	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH112	5.20	20.9	5.4	1.48	5.5	1.0	5.7	1.1	3.4	0.52
09JH113	8.06	32.3	7.5	1.93	7.1	1.2	7.1	1.4	4.0	0.61
09JH114	7.39	29.7	6.9	1.83	6.4	1.1	6.5	1.3	4.0	0.62
09JH115	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99

Open File NFLD/3228 - Appendix A

Sample Number Method and units	Pr AL 4B2Std (ppm)	Nd AL 4B2Std (ppm)	Sm AL 4B2Std (ppm)	Eu AL 4B2Std (ppm)	Gd AL 4B2Std (ppm)	Tb AL 4B2Std (ppm)	Dy AL 4B2Std (ppm)	Ho AL 4B2Std (ppm)	Er AL 4B2Std (ppm)	Tm AL 4B2Std (ppm)
09JH116	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH117	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH119A	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH119B	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH121	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH122A	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH122B	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH125	8.01	30.2	6.2	1.60	5.4	0.9	5.5	1.1	3.3	0.51
09JH128	5.46	22.2	6.0	1.42	6.1	1.1	7.1	1.4	4.2	0.66
09JH130	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH135	9.60	38.2	8.8	2.24	8.6	1.4	8.3	1.7	4.9	0.73
09JH136	9.41	37.2	8.3	2.29	7.7	1.3	7.3	1.4	4.1	0.60
10JH004A01	7.62	29.3	6.1	1.48	5.4	0.9	5.0	1.0	2.9	0.46
10JH005A01	7.69	29.4	6.2	1.42	5.7	1.0	5.7	1.2	3.5	0.54
10JH006A01	8.06	32.4	7.3	1.95	7.0	1.2	7.0	1.5	4.2	0.65
10JH007A01	4.33	17.2	4.2	1.07	4.3	0.8	4.9	1.1	3.2	0.51
10JH008A01	8.59	34.1	7.3	1.89	7.1	1.2	6.9	1.4	4.0	0.62
10JH009A01	10.2	49.3	13.0	2.36	13.7	2.0	10.4	1.8	4.6	0.62
10JH010A01	5.11	21.3	5.4	1.29	5.4	1.0	6.2	1.4	4.2	0.67
10JH011A01	5.17	21.0	5.3	1.30	5.4	1.0	6.4	1.4	4.3	0.69
10JH012A01	5.78	23.1	5.1	1.15	4.8	0.8	4.8	1.0	3.0	0.47
10JH013A01	7.21	28.4	6.1	1.49	5.2	0.9	5.0	1.0	3.1	0.48
10JH014A01	6.01	23.7	5.4	1.47	5.0	0.9	5.3	1.1	3.2	0.49
10JH015A01	8.75	34.1	7.0	1.61	6.6	1.0	6.0	1.2	3.5	0.54
10JH016A01	8.75	33.3	6.9	1.47	6.1	1.0	5.8	1.2	3.5	0.56
10JH018A02	6.27	25.2	5.6	1.27	5.4	0.9	5.3	1.1	3.2	0.49
10JH019A01	8.13	33.7	7.2	1.61	7.0	1.2	6.7	1.4	3.8	0.58
10JH020A01	5.14	20.1	4.6	0.98	4.2	0.7	4.3	0.9	2.6	0.42
10JH021A01	6.38	24.8	4.9	1.27	4.4	0.7	4.0	0.8	2.4	0.37
10JH022A01	7.16	29.1	6.6	1.83	6.3	1.1	6.0	1.2	3.5	0.54
10JH023A01	7.20	29.3	6.2	1.74	5.6	0.9	5.2	1.1	3.0	0.47
10JH024A01	8.83	35.0	6.9	1.71	6.0	1.0	5.7	1.2	3.3	0.51
10JH025A01	7.04	28.1	6.0	1.49	5.4	0.9	5.2	1.1	3.0	0.48
10JH026A01	0.97	3.4	0.6	0.15	0.5	-0.1	0.6	0.1	0.4	0.06
10JH026A02	3.67	13.3	2.6	0.58	2.0	0.3	1.3	0.2	0.5	0.06
10JH027A01	6.60	25.7	5.4	1.40	5.1	0.9	5.0	1.1	3.0	0.48
10JH033A02	5.22	20.4	4.3	1.13	4.0	0.7	3.9	0.8	2.2	0.36
10JH034A02	7.05	26.5	5.5	1.41	5.1	0.8	4.8	1.0	2.9	0.43
10JH036A01	6.14	22.9	4.7	0.79	4.3	0.8	4.5	1.0	2.9	0.47
10JH038A01	9.96	45.0	12.0	3.00	11.8	1.8	9.3	1.7	4.6	0.68
10JH039A01	3.10	12.0	2.5	0.79	2.2	0.4	2.0	0.4	1.2	0.19
10JH040A01	5.33	20.7	4.5	1.22	4.0	0.8	4.5	1.0	2.9	0.46
10JH040A02	7.19	26.8	5.6	1.40	5.4	0.9	5.6	1.1	3.3	0.51
10JH041A01	3.17	13.2	3.4	0.89	3.6	0.7	4.0	0.9	2.6	0.41
10JH041A02	4.71	17.7	4.0	0.96	3.7	0.7	4.3	0.9	2.8	0.46

Open File NFLD/3228 - Appendix A

Sample Number Method and units	Yb AL 4B2Std (ppm)	Lu AL 4B2Std (ppm)	Hf AL 4B2Std (ppm)	Ta AL 4B2Std (ppm)	W AL 4B2Std (ppm)	Ti AL 4B2Std (ppm)	Bi AL 4B2Std (ppm)	Th AL 4B2Std (ppm)	U AL 4B2Std (ppm)
09JH002	2.8	0.45	3.7	0.6	-1	-0.1	-0.4	6.1	1.9
09JH003	3.5	0.58	6.5	0.9	-1	0.4	-0.4	8.5	2.5
09JH004A	8.5	1.34	7.2	1.8	-1	0.6	1.9	18.6	6.3
09JH008A	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008B	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008C	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008D	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008E	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008F	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008G	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008H	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008J	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008K	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008L	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008M	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008N	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008O	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008P	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH008Q	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH009	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH010	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH011	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH012	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH013	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH014	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH015	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH016A	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH016B	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH016C	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH017	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH018	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH019	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH020	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH021	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH022	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH023	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH024	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH025	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH026	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH027	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH028	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH029	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH030	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH031	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH032A	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH032B	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH033	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH034	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH035	-99	-99	-99	-99	-99	-99	-99	-99	-99

Open File NFLD/3228 - Appendix A

Sample Number Method and units	Yb AL 4B2Std (ppm)	Lu AL 4B2Std (ppm)	Hf AL 4B2Std (ppm)	Ta AL 4B2Std (ppm)	W AL 4B2Std (ppm)	Ti AL 4B2Std (ppm)	Bi AL 4B2Std (ppm)	Th AL 4B2Std (ppm)	U AL 4B2Std (ppm)
09JH036	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH037	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH038	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH039	3.5	0.59	5.7	0.8	-1	0.5	0.4	7.4	2.3
09JH040	3.4	0.56	5.0	0.8	-1	0.5	1.0	7.5	2.4
09JH041	3.4	0.58	6.7	0.8	-1	0.4	1.0	7.5	2.6
09JH042	2.9	0.51	5.1	0.7	-1	0.3	-0.4	7.3	2.2
09JH043	2.5	0.51	6.0	0.9	-1	0.5	-0.4	8.2	2.5
09JH044	2.1	0.37	3.3	0.5	-1	0.1	-0.4	5.0	1.4
09JH045	3.6	0.62	6.7	1.3	-1	0.5	-0.4	6.5	1.9
09JH046	3.6	0.59	5.8	0.9	6	0.3	-0.4	7.1	2.0
09JH047	4.1	0.66	6.5	1.3	-1	0.2	-0.4	6.0	1.9
09JH048	3.5	0.56	5.0	0.8	-1	0.5	-0.4	6.6	1.9
09JH049	3.2	0.54	5.1	1.0	-1	0.3	-0.4	6.9	1.9
09JH050	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH051	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH052	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH053	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH055A	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH055B	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH056	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH057	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH058	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH059A	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH059B	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH060	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH061A	3.4	0.57	5.8	1.0	-1	0.4	0.4	6.4	1.9
09JH061B	2.9	0.46	3.7	0.7	-1	0.1	-0.4	5.3	1.3
09JH061C	2.7	0.43	3.4	0.6	-1	0.1	-0.4	4.8	1.2
09JH062A	3.0	0.47	4.7	0.9	1	0.1	-0.4	4.7	1.5
09JH062B	3.5	0.57	5.0	1.0	1	0.2	-0.4	5.0	1.8
09JH063	3.9	0.62	5.8	0.9	-1	0.3	-0.4	6.8	2.6
09JH064	3.9	0.63	5.8	1.0	-1	0.3	-0.4	6.5	2.2
09JH065A	3.9	0.63	5.8	1.1	-1	0.3	3.2	6.7	1.9
09JH065B	2.9	0.47	4.2	0.7	-1	0.1	-0.4	4.4	1.4
09JH066	3.7	0.61	5.2	0.9	-1	0.5	1.1	7.9	2.5
09JH067B	3.8	0.64	5.7	1.1	1	0.3	0.6	5.4	1.8
09JH067C	3.9	0.64	6.4	1.2	-1	0.2	-0.4	6.6	2.1
09JH068	2.9	0.51	5.7	0.7	-1	0.5	0.6	6.6	2.5
09JH069	3.3	0.54	5.4	0.8	-1	0.2	-0.4	7.0	2.2
09JH070	3.1	0.55	5.2	0.8	1	0.4	0.7	7.1	2.3
09JH071	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH072	4.2	0.76	6.6	0.8	1	0.3	6.0	11.6	4.0
09JH073	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH074	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH075	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH076A	9.5	1.53	14.8	2.4	-1	0.5	-0.4	20.1	5.4
09JH076B	2.1	0.34	3.1	0.6	-1	-0.1	0.4	10.2	2.9
09JH077A	-99	-99	-99	-99	-99	-99	-99	-99	-99

Open File NFLD/3228 - Appendix A

Sample Number Method and units	Yb AL 4B2Std (ppm)	Lu AL 4B2Std (ppm)	Hf AL 4B2Std (ppm)	Ta AL 4B2Std (ppm)	W AL 4B2Std (ppm)	Ti AL 4B2Std (ppm)	Bi AL 4B2Std (ppm)	Th AL 4B2Std (ppm)	U AL 4B2Std (ppm)
09JH077B	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH078	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH079A	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH079B	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH080	7.3	1.23	8.4	0.7	-1	0.3	1.4	9.7	3.7
09JH081	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH082	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH083	2.6	0.45	4.1	0.5	1	0.2	0.4	6.3	1.6
09JH084A	3.1	0.50	5.5	0.9	-1	0.2	-0.4	4.9	1.5
09JH084B	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH085	3.0	0.48	5.0	0.7	-1	0.3	-0.4	5.3	1.5
09JH086	4.0	0.66	6.4	1.3	-1	0.4	-0.4	8.5	2.5
09JH088	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH089A	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH089B	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH089C	2.6	0.43	4.3	0.6	1	0.2	-0.4	5.2	1.4
09JH089D	3.7	0.59	5.5	0.9	-1	0.3	-0.4	6.0	2.1
09JH090	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH092A	3.8	0.62	6.8	1.0	-1	0.3	0.6	7.4	2.1
09JH092B	3.4	0.56	5.9	0.9	-1	0.2	-0.4	7.1	2.3
09JH092C	3.5	0.57	5.7	0.9	-1	0.4	0.9	7.1	2.3
09JH093	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH094	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH095	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH096A	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH096B	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH097	5.0	0.81	4.9	1.2	-1	0.5	1.4	12.7	2.4
09JH098	3.9	0.63	6.1	1.1	-1	0.3	-0.4	6.6	2.2
09JH099	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH100A	4.0	0.65	6.7	1.1	1	0.5	0.7	8.6	2.3
09JH100B	3.5	0.58	5.1	0.8	-1	0.3	-0.4	6.1	2.0
09JH101	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH102A	3.3	0.54	5.2	0.8	-1	0.2	0.6	6.0	5.1
09JH102B	2.7	0.43	4.6	0.8	-1	-0.1	-0.4	4.1	1.4
09JH103	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH104	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH105	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH106	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH107	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH108	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH109A	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH109B	3.5	0.56	5.7	1.0	-1	0.3	-0.4	6.8	2.3
09JH110	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH111A	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH111B	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH112	3.6	0.57	5.5	0.9	-1	0.3	-0.4	6.6	2.2
09JH113	4.1	0.69	5.8	1.2	-1	0.3	-0.4	6.6	1.9
09JH114	4.2	0.69	6.0	0.8	1	0.4	1.1	6.9	2.1
09JH115	-99	-99	-99	-99	-99	-99	-99	-99	-99

Open File NFLD/3228 - Appendix A

Sample Number Method and units	Yb AL 4B2Std (ppm)	Lu AL 4B2Std (ppm)	Hf AL 4B2Std (ppm)	Ta AL 4B2Std (ppm)	W AL 4B2Std (ppm)	Ti AL 4B2Std (ppm)	Bi AL 4B2Std (ppm)	Th AL 4B2Std (ppm)	U AL 4B2Std (ppm)
09JH116	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH117	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH119A	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH119B	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH121	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH122A	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH122B	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH125	3.5	0.57	5.8	1.0	-1	0.2	-0.4	6.5	2.0
09JH128	4.6	0.76	7.7	1.5	-1	0.3	-0.4	9.6	2.4
09JH130	-99	-99	-99	-99	-99	-99	-99	-99	-99
09JH135	4.8	0.77	6.6	0.9	-1	0.2	0.4	7.7	2.1
09JH136	4.0	0.62	5.2	0.8	-1	0.2	-0.4	5.9	1.7
10JH004A01	3.1	0.51	6.4	0.9	-1	0.6	-0.4	7.6	1.8
10JH005A01	3.7	0.61	6.5	0.9	-1	0.5	-0.4	8.4	2.3
10JH006A01	4.3	0.70	5.4	1.0	-1	0.4	-0.4	7.0	1.9
10JH007A01	3.5	0.59	5.3	1.0	-1	0.5	-0.4	8.3	2.0
10JH008A01	4.0	0.65	5.1	1.0	-1	0.5	-0.4	6.9	1.6
10JH009A01	3.7	0.59	3.1	0.5	2	0.3	-0.4	5.0	1.2
10JH010A01	4.6	0.76	5.7	1.1	-1	0.8	-0.4	8.9	1.7
10JH011A01	4.7	0.78	6.0	1.2	-1	0.6	-0.4	11.6	2.1
10JH012A01	3.2	0.54	6.0	0.9	-1	0.4	-0.4	7.8	1.9
10JH013A01	3.3	0.56	6.7	0.9	-1	0.4	-0.4	7.9	1.9
10JH014A01	3.3	0.54	5.6	0.9	-1	0.4	-0.4	7.5	1.8
10JH015A01	3.6	0.59	4.9	0.9	-1	0.5	-0.4	8.5	2.2
10JH016A01	3.8	0.62	4.9	1.1	-1	0.5	-0.4	10.0	2.3
10JH018A02	3.3	0.53	4.4	0.7	-1	0.3	-0.4	6.0	2.0
10JH019A01	3.8	0.61	4.8	0.8	-1	0.4	-0.4	6.6	1.7
10JH020A01	2.9	0.49	4.9	0.7	-1	0.3	-0.4	6.4	1.8
10JH021A01	2.5	0.42	3.7	0.6	-1	0.4	-0.4	4.4	0.9
10JH022A01	3.5	0.57	5.3	0.8	-1	0.4	-0.4	5.8	1.5
10JH023A01	3.1	0.51	4.4	0.7	-1	0.3	-0.4	4.4	1.2
10JH024A01	3.4	0.56	7.5	0.9	-1	0.3	-0.4	5.8	1.8
10JH025A01	3.1	0.52	4.5	0.7	-1	0.5	-0.4	6.2	1.7
10JH026A01	0.5	0.08	1.3	0.2	-1	0.1	-0.4	2.2	0.4
10JH026A02	0.4	0.06	0.9	0.1	-1	-0.1	-0.4	2.1	0.4
10JH027A01	3.2	0.55	5.6	1.1	-1	0.5	-0.4	7.1	1.9
10JH033A02	2.3	0.38	4.0	0.6	-1	0.5	-0.4	8.4	1.8
10JH034A02	2.9	0.46	5.1	1.1	-1	0.6	-0.4	7.4	1.5
10JH036A01	3.2	0.55	4.0	0.9	-1	0.5	-0.4	9.5	2.6
10JH038A01	4.4	0.72	4.7	0.5	2	0.3	-0.4	5.0	2.9
10JH039A01	1.3	0.22	2.5	0.4	-1	0.2	-0.4	3.7	1.0
10JH040A01	3.2	0.54	5.8	0.8	1	0.5	-0.4	7.3	2.1
10JH040A02	3.5	0.58	13.9	1.0	-1	0.1	-0.4	9.1	3.2
10JH041A01	2.9	0.51	4.8	0.8	-1	0.5	-0.4	7.7	2.2
10JH041A02	3.2	0.55	5.3	0.8	1	0.6	-0.4	8.3	2.3

Open File NFLD/3228 - Appendix B

Sample Number Method and units	Labnum	DDH_ID	From_m	To_m	NTS_map	Description_Rock_Type_Unit	SiO2 GS Major (wt. %)
JHC-09-001	6840976	RC-01-01	6.10	6.30	02C/11	Red sandstone from above the upper Blue Point reduced horizon - Crown Hill Formation	75.83
JHC-09-002	6840977	RC-01-01	10.30	10.50	02C/11	Red siltstone from above the upper Blue Point reduced horizon - Crown Hill Formation	61.97
JHC-09-003	6840978	RC-01-01	14.85	15.00	02C/11	Maroon sandstone from above the upper Blue Point reduced horizon - Crown Hill Formation	66.37
JHC-09-004	6840979	RC-01-01	22.40	22.60	02C/11	Grey siltstone from upper Blue Point reduced horizon - Crown Hill Formation	53.72
JHC-09-005	6840981	RC-01-01	30.60	30.80	02C/11	Grey siltstone from upper Blue Point reduced horizon - Crown Hill Formation	63.27
JHC-09-006	6840982	RC-01-01	32.60	33.00	02C/11	Dark grey to brown siltstone from upper Blue Point reduced horizon - Crown Hill Formation	57.88
JHC-09-007	6840983	RC-01-01	35.00	35.20	02C/11	Dark grey to brown siltstone from upper Blue Point reduced horizon - Crown Hill Formation	57.99
JHC-09-008	6840984	RC-01-01	44.80	45.00	02C/11	Grey siltstone from upper Blue Point reduced horizon - Crown Hill Formation	58.75
JHC-09-009	6840985	RC-01-01	47.60	47.80	02C/11	Maroon sandstone from below the upper Blue Point reduced horizon - Crown Hill Formation	57.94
JHC-09-010	6840986	RC-01-01	53.30	53.60	02C/11	Red siltstone from below the upper Blue Point reduced horizon - Crown Hill Formation	57.21
JHC-09-017	6840987	RC-01-03	86.20	86.40	02C/11	Red sandstone from above the upper Blue Point reduced horizon - Crown Hill Formation	68.87
JHC-09-018	6840988	RC-01-03	96.40	96.60	02C/11	Red siltstone from above the upper Blue Point reduced horizon - Crown Hill Formation	59.08
JHC-09-020	6840989	RC-01-03	99.90	100.10	02C/11	Maroon sandstone from above the upper Blue Point reduced horizon - Crown Hill Formation	58.61
JHC-09-021	6840991	RC-01-03	105.25	105.45	02C/11	Grey sandstone from upper Blue Point reduced horizon - Crown Hill Formation	59.28
JHC-09-022	6840992	RC-01-03	113.40	113.80	02C/11	Dark grey to brown siltstone from upper Blue Point reduced horizon - Crown Hill Formation	60.60
JHC-09-024	6840993	RC-01-03	118.90	119.20	02C/11	Grey sandstone from upper Blue Point reduced horizon - Crown Hill Formation	57.58
JHC-09-025	6840994	RC-01-03	125.00	125.20	02C/11	Maroon sandstone from below the upper Blue Point reduced horizon - Crown Hill Formation	58.91
JHC-09-027	6840996	RC-01-03	132.00	132.20	02C/11	Red sandstone from below the upper Blue Point reduced horizon - Crown Hill Formation	59.37
JHC-09-028	6840997	RC-01-03	136.40	136.80	02C/11	Red siltstone from below the upper Blue Point reduced horizon - Crown Hill Formation	57.47
JHC-09-029	6840998	RC-01-03	146.00	146.20	02C/11	Red siltstone from above the upper Blue Point reduced horizon - Crown Hill Formation	57.26
JHC-09-031	6840999	RC-01-06	40.25	40.50	02C/11	Red siltstone from above the upper Blue Point reduced horizon - Crown Hill Formation	58.63
JHC-09-032	6841001	RC-01-06	46.20	46.40	02C/11	Grey sandstone from upper Blue Point reduced horizon - Crown Hill Formation	56.49
JHC-09-033	6841002	RC-01-06	48.00	48.20	02C/11	Grey sandstone from upper Blue Point reduced horizon - Crown Hill Formation	59.24
JHC-09-036	6841003	RC-01-06	59.40	59.60	02C/11	Dark grey to brown siltstone from upper Blue Point reduced horizon - Crown Hill Formation	57.13
JHC-09-037	6841004	RC-01-06	66.50	66.80	02C/11	Grey sandstone from upper Blue Point reduced horizon - Crown Hill Formation	57.90
JHC-09-041	6841005	RC-01-06	73.50	73.80	02C/11	Dark grey to brown siltstone from upper Blue Point reduced horizon - Crown Hill Formation	60.31
JHC-09-042	6841006	RC-01-06	77.50	77.70	02C/11	Maroon sandstone from above the upper Blue Point reduced horizon - Crown Hill Formation	64.24
JHC-09-044	6841007	RC-01-06	82.50	82.80	02C/11	Red sandstone from below the upper Blue Point reduced horizon - Crown Hill Formation	57.08
JHC-09-046	6841008	RC-01-05	133.00	133.20	02C/11	Dark grey to brown siltstone from upper Blue Point reduced horizon - Crown Hill Formation	57.89
JHC-09-048	6841009	RC-02-07	19.00	19.20	02C/11	Red sandstone from above the upper Blue Point reduced horizon - Crown Hill Formation	56.80
JHC-09-049	6841011	RC-02-07	27.60	27.80	02C/11	Grey sandstone from upper Blue Point reduced horizon - Crown Hill Formation	57.83
JHC-09-053	6841012	RC-02-07	41.40	41.60	02C/11	Dark grey to brown siltstone from upper Blue Point reduced horizon - Crown Hill Formation	57.73
JHC-09-054	6841013	RC-02-07	47.30	47.50	02C/11	Grey sandstone from upper Blue Point reduced horizon - Crown Hill Formation	61.14
JHC-09-055	6841014	RC-02-07	59.00	59.20	02C/11	Red siltstone from below the upper Blue Point reduced horizon - Crown Hill Formation	56.17
JHC-09-056	6841015	RC-02-09	11.60	11.80	02C/11	Maroon sandstone from below the upper Blue Point reduced horizon - Crown Hill Formation	59.50
JHC-09-057	6841016	RC-02-09	21.00	21.20	02C/11	Grey sandstone from upper Blue Point reduced horizon - Crown Hill Formation	58.10
JHC-09-058	6841017	RC-02-09	28.30	28.50	02C/11	Dark grey to brown siltstone from upper Blue Point reduced horizon - Crown Hill Formation	58.17
JHC-09-059	6841018	RC-02-09	42.00	42.20	02C/11	Grey sandstone from upper Blue Point reduced horizon - Crown Hill Formation	57.37
JHC-09-060	6841019	PR-02-03	27.30	27.50	02C/11	Grey siltstone - Port Rexton area	67.34
JHC-09-061	6841021	PR-02-03	40.20	40.40	02C/11	Grey siltstone - Port Rexton area	69.67
MC-09-001	6841023	RC-01-02	5.20	5.60	02C/11	Red siltstone from above the upper Blue Point reduced horizon - Crown Hill Formation	59.99
MC-09-002	6841024	RC-01-02	12.90	13.20	02C/11	Red sandstone from above the upper Blue Point reduced horizon - Crown Hill Formation	71.65
MC-09-003	6841025	RC-01-02	16.40	16.80	02C/11	Red siltstone from above the upper Blue Point reduced horizon - Crown Hill Formation	52.74
MC-09-004	6841026	RC-01-02	18.25	18.50	02C/11	Red sandstone from above the upper Blue Point reduced horizon - Crown Hill Formation	70.75
MC-09-006	6841027	RC-01-02	27.00	27.20	02C/11	Red sandstone from above the upper Blue Point reduced horizon - Crown Hill Formation	56.50
MC-09-007	6841028	RC-01-02	31.00	31.30	02C/11	Maroon sandstone from above the upper Blue Point reduced horizon - Crown Hill Formation	59.93
MC-09-008	6841029	RC-01-02	33.40	33.50	02C/11	Grey sandstone from upper Blue Point reduced horizon - Crown Hill Formation	69.29
MC-09-009	6841031	RC-01-02	43.75	44.00	02C/11	Grey sandstone from upper Blue Point reduced horizon - Crown Hill Formation	60.99
MC-09-010	6841032	RC-01-02	49.00	49.20	02C/11	Dark grey to brown siltstone from upper Blue Point reduced horizon - Crown Hill Formation	57.40

Open File NFLD/3228 - Appendix B

Sample Number Method and units	Labnum	DDH_ID	From_m	To_m	NTS_map	Description_Rock_Type_Unit	SiO2 GS Major (wt. %)
MC-09-011	6841033	RC-01-02	54.00	54.10	02C/11	Dark grey to brown siltstone from upper Blue Point reduced horizon - Crown Hill Formation	60.91
MC-09-012	6841034	RC-01-02	57.00	57.20	02C/11	Grey siltstone from upper Blue Point reduced horizon - Crown Hill Formation	57.40
MC-09-013	6841035	RC-01-02	60.85	61.50	02C/11	Grey sandstone from upper Blue Point reduced horizon - Crown Hill Formation	59.45
MC-09-014	6841036	RC-01-02	64.50	64.90	02C/11	Maroon sandstone from below the upper Blue Point reduced horizon - Crown Hill Formation	61.22
MC-09-015	6841037	RC-01-02	66.20	66.40	02C/11	Red sandstone from below the upper Blue Point reduced horizon - Crown Hill Formation	67.61
MC-09-016	6841038	RC-01-02	74.20	74.40	02C/11	Red sandstone from below the upper Blue Point reduced horizon - Crown Hill Formation	59.35
MC-09-017	6841039	RC-02-08	19.20	19.40	02C/11	Red sandstone from above the upper Blue Point reduced horizon - Crown Hill Formation	65.75
MC-09-018	6841041	RC-02-08	24.60	24.80	02C/11	Red siltstone from above the upper Blue Point reduced horizon - Crown Hill Formation	55.96
MC-09-019	6841042	RC-02-08	29.10	29.60	02C/11	Maroon sandstone from above the upper Blue Point reduced horizon - Crown Hill Formation	62.62
MC-09-020	6841043	RC-02-08	31.50	31.80	02C/11	Grey sandstone from upper Blue Point reduced horizon - Crown Hill Formation	57.02
MC-09-021	6841044	RC-02-08	45.50	45.90	02C/11	Grey sandstone from upper Blue Point reduced horizon - Crown Hill Formation	58.01
MC-09-022	6841045	RC-02-08	54.30	54.60	02C/11	Dark grey to brown siltstone from upper Blue Point reduced horizon - Crown Hill Formation	57.27
MC-09-024	6841046	RC-02-08	59.80	60.40	02C/11	Dark grey to brown siltstone from upper Blue Point reduced horizon - Crown Hill Formation	57.97
MC-09-025	6841047	RC-02-08	67.80	68.00	02C/11	Grey siltstone from upper Blue Point reduced horizon - Crown Hill Formation	59.59
MC-09-026	6841048	RC-02-08	88.35	88.60	02C/11	Maroon sandstone from below the upper Blue Point reduced horizon - Crown Hill Formation	57.87
MC-09-027	6841049	RC-02-08	165.00	165.40	02C/11	Red sandstone from below the upper Blue Point reduced horizon - Crown Hill Formation	69.92
MC-09-028	6841051	RC-02-08	168.30	168.50	02C/11	Maroon sandstone from above the lower Blue Point reduced horizon - Crown Hill Formation	64.76
MC-09-029	6841052	RC-02-08	169.70	170.00	02C/11	Grey siltstone from lower Blue Point reduced horizon - Crown Hill Formation	63.94
MC-09-030	6841053	RC-02-08	178.70	179.00	02C/11	Green to grey siltstone from lower Blue Point reduced horizon - Crown Hill Formation	71.10
MC-09-031	6841054	RC-02-08	179.80	180.00	02C/11	Grey sandstone from lower Blue Point reduced horizon - Crown Hill Formation	50.60
MC-09-032	6841055	RC-02-08	184.00	184.60	02C/11	Grey sandstone from lower Blue Point reduced horizon - Crown Hill Formation	67.72
MC-09-033	6841056	RC-02-08	190.50	190.75	02C/11	Red siltstone from below the lower Blue Point reduced horizon - Crown Hill Formation	67.21
MC-09-034	6841057	RC-02-08	195.85	196.20	02C/11	Grey sandstone from lower Blue Point reduced horizon - Crown Hill Formation	70.50
MC-09-035	6841058	RC-02-08	202.50	202.90	02C/11	Grey sandstone from lower Blue Point reduced horizon - Crown Hill Formation	65.12
MC-09-036	6841059	RC-02-08	207.20	207.50	02C/11	Red siltstone from below the lower Blue Point reduced horizon - Crown Hill Formation	69.12
MC-09-038	6841061	RC-02-08	216.60	217.00	02C/11	Red siltstone from below the lower Blue Point reduced horizon - Crown Hill Formation	70.43

Sample Number Method and units	Al2O3 GS Major (wt. %)	Fe2O3T GS Major (wt. %)	Fe2O3 GS Major (wt. %)	FeO GS Major (wt. %)	MgO GS Major (wt. %)	CaO GS Major (wt. %)	Na2O GS Major (wt. %)	K2O GS Major (wt. %)	TiO2 GS Major (wt. %)	MnO GS Major (wt. %)
JHC-09-001	11.23	4.32	3.87	0.40	1.30	0.53	3.12	1.62	0.495	0.061
JHC-09-002	16.35	8.62	7.62	0.89	1.97	0.36	2.27	3.74	1.394	0.082
JHC-09-003	14.49	8.49	6.80	1.52	1.87	0.33	2.76	2.64	0.975	0.089
JHC-09-004	18.90	10.89	1.42	8.52	3.97	0.56	1.96	2.62	1.551	0.278
JHC-09-005	18.86	5.12	1.93	3.19	2.23	0.14	2.26	3.53	0.905	0.116
JHC-09-006	17.84	8.62	3.05	5.57	2.77	0.24	2.07	3.16	1.207	0.172
JHC-09-007	17.85	8.15	2.89	5.26	2.72	0.44	2.15	3.11	1.110	0.155
JHC-09-008	16.63	10.37	2.38	7.19	2.76	0.32	1.85	2.60	1.433	0.208
JHC-09-009	16.38	10.45	8.04	2.17	3.21	0.56	2.18	3.19	1.634	0.166
JHC-09-010	18.05	8.94	8.02	0.82	2.89	0.68	2.32	4.02	1.380	0.127
JHC-09-017	13.98	5.77	5.43	0.30	1.50	1.06	2.95	2.56	0.806	0.087
JHC-09-018	17.81	8.69	7.85	0.75	1.98	1.26	2.18	4.14	1.207	0.105
JHC-09-020	16.01	9.44	7.91	1.38	2.03	1.41	2.24	3.44	1.670	0.108
JHC-09-021	17.37	8.06	1.48	5.93	3.13	1.09	1.79	2.98	1.314	0.239
JHC-09-022	15.91	8.56	1.93	5.97	3.07	1.36	2.39	1.89	1.466	0.233
JHC-09-024	18.20	9.04	3.20	5.85	2.69	0.84	2.09	3.14	1.169	0.185
JHC-09-025	18.29	8.18	1.23	6.26	3.10	0.93	1.88	2.97	1.457	0.205
JHC-09-027	17.71	8.60	4.59	3.60	2.62	0.78	2.21	3.06	1.105	0.157
JHC-09-028	17.65	10.60	8.84	1.58	2.03	0.47	1.91	4.27	1.568	0.087
JHC-09-029	17.16	10.20	9.62	0.52	2.49	0.80	1.91	4.07	1.519	0.146
JHC-09-031	17.83	8.39	7.26	1.02	3.29	0.17	2.18	2.76	1.353	0.215
JHC-09-032	18.22	8.27	3.55	4.25	3.24	0.89	1.52	3.71	1.856	0.219
JHC-09-033	16.68	8.83	1.84	6.30	3.31	0.50	1.63	2.74	1.435	0.251
JHC-09-036	19.25	8.07	0.75	6.58	3.18	0.57	2.29	3.03	1.459	0.176
JHC-09-037	17.98	8.33	2.98	5.35	2.59	0.79	2.18	3.20	1.155	0.153
JHC-09-041	15.83	8.52	1.74	6.11	3.04	1.36	2.38	1.88	1.465	0.233
JHC-09-042	14.01	7.74	4.38	3.03	2.48	1.16	3.41	1.54	0.998	0.178
JHC-09-044	17.63	9.85	8.43	1.28	2.36	1.02	2.31	3.84	1.463	0.124
JHC-09-046	17.63	8.55	3.02	5.53	2.57	0.78	2.19	3.03	1.101	0.158
JHC-09-048	17.57	10.80	9.18	1.45	2.03	0.47	1.90	4.26	1.614	0.083
JHC-09-049	18.07	8.39	1.19	6.48	3.30	0.16	2.18	2.79	1.354	0.218
JHC-09-053	18.19	8.13	2.93	5.20	2.74	0.30	2.15	3.32	1.147	0.156
JHC-09-054	17.36	6.82	0.61	5.59	2.55	0.24	1.23	3.38	1.558	0.154
JHC-09-055	18.06	9.90	8.78	1.01	2.85	0.52	2.14	4.13	1.390	0.136
JHC-09-056	17.81	8.73	4.58	3.73	2.95	0.49	1.80	3.54	1.519	0.207
JHC-09-057	18.12	9.70	1.81	7.10	3.22	0.50	2.06	2.69	1.613	0.249
JHC-09-058	17.25	8.82	3.09	5.73	2.83	0.89	2.53	2.56	1.173	0.192
JHC-09-059	17.42	9.18	1.24	7.15	3.86	0.71	1.58	2.61	1.484	0.291
JHC-09-060	15.47	4.01	1.66	2.35	1.41	0.46	3.20	3.71	0.583	0.120
JHC-09-061	14.55	3.36	1.37	1.99	1.20	0.50	3.91	2.64	0.520	0.105
MC-09-001	15.91	9.24	8.67	0.51	2.52	0.40	2.08	3.71	1.542	0.119
MC-09-002	13.73	4.72	4.72	0.26	1.39	0.39	3.16	2.53	0.669	0.059
MC-09-003	18.20	11.46	10.65	0.74	3.27	0.91	1.58	4.49	1.659	0.161
MC-09-004	12.85	6.59	6.26	0.30	1.40	0.75	3.24	2.09	0.984	0.069
MC-09-006	17.67	10.62	10.33	0.26	2.31	0.49	1.96	4.20	1.738	0.105
MC-09-007	18.76	6.45	1.95	4.05	3.59	0.38	1.87	3.70	1.301	0.214
MC-09-008	13.02	6.47	0.84	5.07	3.21	0.44	2.67	1.18	0.812	0.228
MC-09-009	19.71	6.01	2.28	3.73	2.57	0.18	2.55	3.42	1.046	0.133
MC-09-010	18.46	8.20	2.92	5.28	3.01	0.25	2.12	3.21	1.117	0.174

Open File NFLD/3228 - Appendix B

Sample Number Method and units	Al2O3 GS Major (wt. %)	Fe2O3T GS Major (wt. %)	Fe2O3 GS Major (wt. %)	FeO GS Major (wt. %)	MgO GS Major (wt. %)	CaO GS Major (wt. %)	Na2O GS Major (wt. %)	K2O GS Major (wt. %)	TiO2 GS Major (wt. %)	MnO GS Major (wt. %)
MC-09-011	17.76	7.08	2.54	4.55	2.78	0.35	2.22	3.00	1.021	0.137
MC-09-012	19.12	8.29	7.93	0.32	2.63	0.20	2.01	3.53	1.048	0.149
MC-09-013	18.36	7.48	0.90	5.93	2.94	0.34	1.20	3.55	1.377	0.173
MC-09-014	17.62	7.90	6.68	1.10	1.91	0.27	2.52	3.84	1.372	0.070
MC-09-015	13.21	6.84	4.78	1.85	2.94	0.41	3.81	1.26	0.836	0.145
MC-09-016	15.98	10.03	9.25	0.71	2.52	0.44	2.14	3.55	1.579	0.116
MC-09-017	14.70	7.40	6.99	0.37	1.35	1.16	2.81	2.85	1.294	0.070
MC-09-018	18.41	10.38	8.62	1.58	3.14	0.47	2.16	3.95	1.271	0.169
MC-09-019	15.76	6.61	3.79	2.54	3.25	0.94	2.69	2.40	1.246	0.209
MC-09-020	18.57	8.45	5.17	2.95	2.48	0.62	1.95	3.95	1.683	0.150
MC-09-021	19.02	7.43	0.32	6.40	3.20	0.67	2.67	2.81	1.423	0.187
MC-09-022	17.66	9.12	0.19	8.04	3.19	0.81	2.46	2.59	1.231	0.199
MC-09-024	19.66	7.44	2.71	4.73	3.22	0.52	2.33	3.29	1.134	0.180
MC-09-025	17.06	9.88	6.46	3.08	1.81	0.81	1.85	3.56	1.284	0.127
MC-09-026	17.47	8.84	8.42	0.38	3.13	0.97	2.28	3.56	1.283	0.180
MC-09-027	15.32	3.70	3.50	0.18	0.74	0.65	2.89	3.22	0.816	0.033
MC-09-028	16.74	5.53	2.62	2.62	1.37	0.29	1.67	3.82	0.762	0.113
MC-09-029	17.83	4.77	1.26	3.17	1.65	0.21	1.96	3.82	0.653	0.134
MC-09-030	13.46	5.14	1.01	3.72	2.22	0.42	2.15	1.99	0.590	0.153
MC-09-031	29.50	2.46	2.10	0.32	1.03	0.36	0.41	8.89	0.542	0.025
MC-09-032	15.98	4.07	1.15	2.63	1.33	0.49	2.54	3.03	0.706	0.090
MC-09-033	14.99	5.66	3.80	1.68	1.00	0.61	2.17	3.17	0.928	0.070
MC-09-034	14.47	3.41	1.48	1.73	1.04	0.41	2.48	2.84	0.642	0.079
MC-09-035	14.98	7.04	1.93	4.60	2.61	0.24	2.08	2.37	0.633	0.276
MC-09-036	16.13	3.25	1.48	1.59	1.55	0.34	2.08	3.61	0.768	0.125
MC-09-038	14.75	4.21	4.03	0.16	0.58	0.50	2.89	3.22	0.664	0.023

Open File NFLD/3228 - Appendix B

Sample Number Method and units	P205 GS Major (wt. %)	Zr GS Major (wt. %)	Ba GS Major (wt. %)	LOI GS Major (wt. %)	Total GS Major (wt. %)	As GS Trace (ppm)	Be GS Trace (ppm)	Co GS Trace (ppm)	Cr GS Trace (ppm)	Cu GS Trace (ppm)
JHC-09-001	0.056	152	396	1.70	100.27	5	1.1	14	37	2
JHC-09-002	0.130	277	901	2.92	99.79	5	1.1	14	37	2
JHC-09-003	0.127	175	640	2.52	100.66	4	1.6	22	48	119
JHC-09-004	0.361	258	550	4.31	99.12	6	1.6	39	68	131
JHC-09-005	0.031	259	756	3.42	99.88	17	2.1	18	46	131
JHC-09-006	0.119	228	680	4.45	98.54	23	1.8	25	68	14732
JHC-09-007	0.104	218	680	4.56	98.33	22	1.6	27	65	4744
JHC-09-008	0.147	240	612	3.65	98.73	5	1.3	27	105	9
JHC-09-009	0.313	268	816	3.33	99.35	8	1.7	30	75	15
JHC-09-010	0.393	247	971	3.40	99.41	12	1.9	30	47	1
JHC-09-017	0.095	174	627	2.05	99.71	6	1.4	19	41	3
JHC-09-018	0.074	209	1119	2.98	99.51	24	2.1	30	44	3
JHC-09-020	0.498	269	894	2.80	98.26	6	1.8	32	70	15
JHC-09-021	0.123	225	752	3.66	99.05	3	1.6	29	58	57
JHC-09-022	0.498	268	482	3.31	99.29	20	1.6	26	45	41
JHC-09-024	0.120	216	699	4.84	99.89	37	1.9	25	68	35
JHC-09-025	0.545	273	684	3.83	100.31	4	1.9	25	60	470
JHC-09-027	0.103	208	697	2.75	98.46	11	1.0	24	49	31
JHC-09-028	0.268	237	1088	2.29	98.61	27	0.9	23	37	12
JHC-09-029	0.162	266	1033	3.25	98.96	7	2.1	29	47	-1
JHC-09-031	0.049	246	608	3.28	98.14	5	2.2	30	63	22
JHC-09-032	0.549	313	884	3.85	98.82	4	1.7	33	71	15
JHC-09-033	0.207	242	652	3.76	98.59	4	1.5	31	72	18
JHC-09-036	0.335	240	666	3.85	99.34	11	1.9	21	71	41
JHC-09-037	0.122	222	703	4.71	99.12	37	1.7	26	58	35
JHC-09-041	0.502	257	476	3.61	99.13	6	1.2	25	66	23
JHC-09-042	0.090	188	413	2.56	98.41	5	1.0	23	85	-1
JHC-09-044	0.292	263	1001	3.07	99.05	19	1.9	31	58	-1
JHC-09-046	0.108	210	685	4.65	98.66	43	1.7	26	68	39
JHC-09-048	0.273	244	1082	3.20	98.99	6	2.3	32	56	12
JHC-09-049	0.050	249	610	3.82	98.15	5	1.6	28	64	7
JHC-09-053	0.125	216	693	4.82	98.82	31	1.8	29	65	434
JHC-09-054	0.121	326	699	3.66	98.21	4	1.7	24	103	26
JHC-09-055	0.253	246	1001	3.32	98.88	9	1.9	31	44	-1
JHC-09-056	0.189	263	937	3.34	100.07	5	1.6	29	73	12
JHC-09-057	0.214	272	674	3.72	100.19	7	1.6	32	79	19
JHC-09-058	0.114	202	622	4.63	99.15	40	1.7	27	71	32
JHC-09-059	0.265	248	691	4.00	98.78	4	1.6	30	76	109
JHC-09-060	0.092	192	712	2.70	99.09	15	2.0	15	21	954
JHC-09-061	0.068	190	478	2.43	98.96	19	1.9	17	20	709
MC-09-001	0.191	266	806	3.20	98.89	4	1.2	25	65	-1
MC-09-002	0.071	185	573	2.15	100.80	3	1.1	15	35	2
MC-09-003	0.595	296	1073	3.99	99.05	6	1.4	35	69	-1
MC-09-004	0.069	228	502	1.99	100.79	4	0.8	18	43	-1
MC-09-006	0.284	293	1016	3.53	99.39	-2	1.3	32	59	-1
MC-09-007	0.209	238	861	4.07	100.48	-2	0.9	33	53	305
MC-09-008	0.217	200	279	3.03	100.55	-2	0.5	22	44	92
MC-09-009	0.061	230	740	3.62	100.28	29	1.4	36	43	136
MC-09-010	0.120	207	669	4.69	98.75	41	1.0	42	64	12214

Open File NFLD/3228 - Appendix B

Sample Number Method and units	P2O5 GS Major (wt. %)	Zr GS Major (wt. %)	Ba GS Major (wt. %)	LOI GS Major (wt. %)	Total GS Major (wt. %)	As GS Trace (ppm)	Be GS Trace (ppm)	Co GS Trace (ppm)	Cr GS Trace (ppm)	Cu GS Trace (ppm)
MC-09-011	0.085	212	665	4.20	99.55	70	0.9	43	55	429
MC-09-012	0.098	226	772	4.77	99.26	39	1.0	55	46	3594
MC-09-013	0.225	230	794	3.95	99.06	-2	1.0	23	75	1130
MC-09-014	0.087	256	985	3.14	99.94	5	1.2	22	73	11
MC-09-015	0.107	169	303	2.59	99.75	12	0.6	22	34	16
MC-09-016	0.223	225	833	3.24	99.18	4	0.9	27	52	-1
MC-09-017	0.095	223	704	2.18	99.66	23	0.7	23	47	-1
MC-09-018	0.246	241	990	3.54	99.70	-2	1.3	34	59	-1
MC-09-019	0.116	228	612	3.14	98.99	-2	0.5	31	52	220
MC-09-020	0.172	344	1018	3.46	98.49	-2	1.2	29	71	203
MC-09-021	0.368	232	657	3.54	99.32	7	1.2	25	63	83
MC-09-022	0.261	210	605	4.79	99.57	33	0.9	30	60	38
MC-09-024	0.142	356	801	4.33	100.22	17	1.5	27	52	35
MC-09-025	0.213	248	980	3.11	99.29	3	1.0	28	64	-1
MC-09-026	0.215	222	897	3.34	99.14	6	1.0	33	39	-1
MC-09-027	0.025	272	855	2.08	99.40	2	1.1	13	28	10
MC-09-028	0.048	227	1016	2.90	98.01	3	1.6	13	36	13
MC-09-029	0.018	244	984	3.13	98.12	3	1.8	12	47	49
MC-09-030	0.025	163	504	2.70	99.94	-2	1.0	16	25	16
MC-09-031	0.059	648	2341	4.53	98.40	3	5.0	7	3	6
MC-09-032	0.063	213	799	2.56	98.58	-2	1.4	13	25	6
MC-09-033	0.035	317	848	2.37	98.21	-2	1.3	14	30	6
MC-09-034	0.012	200	734	2.27	98.15	-2	1.2	11	24	9
MC-09-035	0.030	178	579	3.22	98.59	-2	1.0	20	19	9
MC-09-036	0.031	229	944	2.64	99.64	-2	1.2	16	25	27
MC-09-038	0.021	222	748	1.83	99.12	12	1.1	10	16	2

Open File NFLD/3228 - Appendix B

Sample Number Method and units	Li	Nb	Ni	P	Pb	Rb	Sc	Sr	V	Zn	Ag
	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS Trace (ppm)	GS BPD (ppm)
JHC-09-001	20.9	9	14	268	-1	47	9.5	132	116	58	-0.1
JHC-09-002	20.7	9	13	267	-1	47	9.5	132	117	57	-0.1
JHC-09-003	35.2	12	18	575	-1	80	16.0	110	167	91	-0.1
JHC-09-004	114.6	20	28	1596	-1	72	27.3	89	204	142	-0.1
JHC-09-005	57.0	16	13	152	-1	90	18.7	80	145	72	0.1
JHC-09-006	71.8	14	19	508	40	83	25.9	73	164	97	8.2
JHC-09-007	67.8	15	22	484	17	81	24.3	75	162	88	6.7
JHC-09-008	83.0	15	17	666	-1	73	21.1	83	264	99	-0.1
JHC-09-009	64.4	17	23	1425	-1	98	23.2	94	234	114	-0.1
JHC-09-010	48.0	15	22	1729	-1	126	23.7	95	148	115	-0.1
JHC-09-017	23.3	11	16	451	-1	75	13.7	157	140	70	-0.1
JHC-09-018	30.0	14	21	348	-1	129	23.1	134	124	115	-0.1
JHC-09-020	37.0	18	22	2296	-1	109	22.0	131	211	113	-0.1
JHC-09-021	86.9	17	21	548	-1	90	23.7	87	171	123	-0.1
JHC-09-022	78.5	14	18	590	21	62	20.3	112	144	106	-0.1
JHC-09-024	73.6	15	23	503	53	87	24.9	80	155	145	-0.1
JHC-09-025	87.5	19	20	2244	-1	84	21.9	101	218	117	-0.1
JHC-09-027	70.5	13	16	373	-1	42	13.6	159	162	111	-0.1
JHC-09-028	64.9	12	14	434	-1	40	13.7	170	123	104	-0.1
JHC-09-029	43.0	19	21	717	-1	139	22.5	103	138	109	-0.1
JHC-09-031	38.1	20	24	1711	-1	149	23.3	84	166	118	-0.1
JHC-09-032	72.6	20	25	2287	-1	124	23.0	73	190	126	-0.1
JHC-09-033	92.3	18	26	920	-1	79	20.9	87	163	118	-0.1
JHC-09-036	86.4	18	22	1481	-1	78	26.1	99	189	119	-0.1
JHC-09-037	61.0	13	22	501	32	76	21.9	77	138	85	-0.1
JHC-09-041	82.6	17	14	2213	-1	53	18.4	147	301	105	-0.1
JHC-09-042	62.8	13	15	407	1	51	15.0	163	232	110	-0.1
JHC-09-044	41.5	18	22	1319	-1	114	23.0	120	137	111	-0.1
JHC-09-046	67.8	15	23	461	56	76	23.5	81	152	186	-0.1
JHC-09-048	31.9	17	23	1220	-1	126	23.2	85	190	114	-0.1
JHC-09-049	92.0	17	22	239	-1	71	20.7	81	167	115	-0.1
JHC-09-053	67.3	15	23	536	23	81	24.0	73	161	88	2.1
JHC-09-054	66.3	17	20	517	-1	84	19.3	59	339	97	-0.1
JHC-09-055	45.7	17	21	1158	-1	122	22.8	85	131	119	-0.1
JHC-09-056	64.1	17	25	848	-1	103	21.6	86	179	103	-0.1
JHC-09-057	92.0	18	27	948	-1	71	23.5	98	187	176	-0.1
JHC-09-058	69.9	15	22	529	31	68	23.8	110	151	115	-0.1
JHC-09-059	96.0	17	24	1188	-1	74	22.1	88	283	119	-0.1
JHC-09-060	43.8	10	5	416	-1	97	12.8	100	50	31	1.2
JHC-09-061	38.2	10	5	320	8	75	11.2	123	41	25	1.2
MC-09-001	33.4	13	23	789	-1	107	19.4	82	151	91	-0.1
MC-09-002	18.3	8	14	294	-1	69	11.4	125	110	56	-0.1
MC-09-003	47.3	20	29	2452	-1	137	26.2	74	141	128	-0.1
MC-09-004	19.6	11	13	287	-1	58	12.0	161	155	62	-0.1
MC-09-006	32.5	18	22	1193	-1	125	25.7	85	200	107	-0.1
MC-09-007	70.1	17	21	872	-1	109	25.5	71	191	118	-0.1
MC-09-008	68.9	11	18	926	-1	29	13.5	103	139	90	-0.1
MC-09-009	61.0	13	17	263	-1	82	21.6	94	140	83	0.3
MC-09-010	70.9	13	14	479	69	76	25.3	71	153	94	15.2

Open File NFLD/3228 - Appendix B

Sample Number Method and units	Li GS Trace (ppm)	Nb GS Trace (ppm)	Ni GS Trace (ppm)	P GS Trace (ppm)	Pb GS Trace (ppm)	Rb GS Trace (ppm)	Sc GS Trace (ppm)	Sr GS Trace (ppm)	V GS Trace (ppm)	Zn GS Trace (ppm)	Ag GS BPD (ppm)
MC-09-011	66.4	12	21	369	2	72	21.9	78	163	81	1.2
MC-09-012	62.3	13	22	415	35	88	26.4	68	513	89	6.5
MC-09-013	67.2	15	21	906	-1	88	21.1	58	307	91	0.7
MC-09-014	29.4	12	17	376	-1	109	19.8	104	297	70	-0.1
MC-09-015	56.1	8	13	465	-1	37	14.2	155	129	94	-0.1
MC-09-016	36.0	13	22	982	-1	101	21.1	99	181	92	-0.1
MC-09-017	18.4	15	16	425	-1	82	17.0	168	164	66	-0.1
MC-09-018	51.1	17	27	1059	-1	114	25.7	96	200	119	-0.1
MC-09-019	58.2	15	19	517	-1	70	19.0	159	403	106	-0.1
MC-09-020	44.6	24	24	764	-1	115	24.0	114	207	97	0.4
MC-09-021	71.5	15	23	1507	-1	71	25.2	135	180	104	-0.1
MC-09-022	70.7	13	25	1115	11	65	24.2	121	156	99	-0.1
MC-09-024	68.6	16	22	620	10	81	24.7	108	144	103	-0.1
MC-09-025	36.0	16	21	919	-1	98	22.3	118	356	86	-0.1
MC-09-026	46.3	15	23	929	-1	107	23.0	148	126	118	-0.1
MC-09-027	10.3	12	7	122	-1	95	12.8	123	95	49	-0.1
MC-09-028	29.8	13	9	220	-1	114	16.3	68	98	57	-0.1
MC-09-029	37.3	14	9	93	-1	108	14.7	78	100	71	-0.1
MC-09-030	51.7	10	10	117	-1	52	13.0	74	73	110	-0.1
MC-09-031	8.8	35	3	262	-1	248	21.6	49	28	33	-0.1
MC-09-032	31.5	12	9	290	-1	92	15.2	85	68	66	-0.1
MC-09-033	20.7	13	7	160	-1	94	14.3	90	70	61	-0.1
MC-09-034	21.4	10	6	60	-1	80	12.1	90	61	52	-0.1
MC-09-035	61.3	9	10	135	-1	69	13.3	77	63	126	-0.1
MC-09-036	29.2	11	8	134	-1	105	13.8	78	71	92	0.1
MC-09-038	5.5	11	5	102	-1	98	12.0	110	93	36	-0.1

Open File NFLD/3228 - Appendix B

Sample Number Method and units	AL 4B2Std (ppm)	Ga	AL 4B2Std (ppm)	Ge	AL 4B2Std (ppm)	Y	AL 4B2Std (ppm)	In	AL 4B2Std (ppm)	Sn	AL 4B2Std (ppm)	Sb	AL 4B2Std (ppm)	Cs	AL 4B2Std (ppm)	La	AL 4B2Std (ppm)	Ce	AL 4B2Std (ppm)	Pr
JHC-09-001	11	2	20	-0.2	3	0.7	1.4	20.7	45.9	5.71										
JHC-09-002	19	2	31	-0.2	5	1.5	3.3	20.3	44.7	5.37										
JHC-09-003	16	2	24	-0.2	4	0.8	2.3	15.3	34.9	4.18										
JHC-09-004	24	2	41	-0.2	5	0.6	1.8	26.2	62.9	7.68										
JHC-09-005	23	1	39	-0.2	6	-0.5	2.0	34.8	78.0	9.22										
JHC-09-006	21	1	37	-0.2	6	1.3	1.9	22.9	51.8	6.30										
JHC-09-007	21	2	36	-0.2	4	-0.5	1.8	18.2	44.1	5.31										
JHC-09-008	20	2	34	-0.2	13	0.8	3.7	30.8	68.7	7.70										
JHC-09-009	21	2	38	-0.2	5	0.9	2.9	30.0	65.9	7.99										
JHC-09-010	22	2	40	-0.2	5	1.2	3.7	30.7	62.7	8.12										
JHC-09-017	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99										
JHC-09-018	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99										
JHC-09-020	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99										
JHC-09-021	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99										
JHC-09-022	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99										
JHC-09-024	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99										
JHC-09-025	23	2	43	-0.2	6	-0.5	3.1	38.2	87.9	10.7										
JHC-09-027	16	3	26	-0.2	3	0.9	2.2	23.0	47.8	5.75										
JHC-09-028	13	2	24	-0.2	3	0.9	1.8	24.9	55.1	6.14										
JHC-09-029	22	2	40	-0.2	5	1.5	5.4	30.2	67.8	7.87										
JHC-09-031	23	2	41	-0.2	6	1.2	6.4	27.8	71.3	7.81										
JHC-09-032	24	2	46	-0.2	7	0.6	4.4	37.4	88.8	10.8										
JHC-09-033	21	2	36	-0.2	5	-0.5	3.4	29.1	61.5	7.19										
JHC-09-036	23	1	37	-0.2	5	-0.5	2.8	29.8	69.6	8.89										
JHC-09-037	22	2	36	-0.2	4	0.9	2.7	29.1	65.6	8.02										
JHC-09-041	21	3	41	-0.2	5	0.9	2.3	40.4	85.5	11.0										
JHC-09-042	17	2	29	-0.2	4	0.8	2.1	25.6	55.5	6.27										
JHC-09-044	22	2	39	-0.2	6	1.3	5.1	35.9	76.3	9.64										
JHC-09-046	20	2	34	-0.2	4	1.1	2.3	28.5	62.6	7.58										
JHC-09-048	22	2	37	-0.2	6	1.3	4.2	30.5	69.2	8.16										
JHC-09-049	22	2	32	-0.2	6	0.6	2.5	25.2	53.0	6.29										
JHC-09-053	21	2	31	-0.2	4	2.5	2.4	28.9	62.8	7.69										
JHC-09-054	21	2	33	-0.2	5	-0.5	2.1	22.5	48.2	6.03										
JHC-09-055	22	2	40	-0.2	6	1.1	4.0	28.3	60.1	7.51										
JHC-09-056	22	2	37	-0.2	5	0.5	3.7	34.9	76.3	8.89										
JHC-09-057	23	2	38	-0.2	6	0.8	2.5	31.1	69.9	8.32										
JHC-09-058	20	2	34	-0.2	4	-0.5	1.8	29.8	65.4	8.04										
JHC-09-059	22	2	39	-0.2	5	-0.5	2.3	32.3	72.4	8.93										
JHC-09-060	18	2	26	-0.2	5	-0.5	4.3	20.8	39.8	4.42										
JHC-09-061	16	1	25	-0.2	4	0.5	3.5	20.3	43.2	4.90										
MC-09-001	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99										
MC-09-002	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99										
MC-09-003	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99										
MC-09-004	14	2	26	-0.2	4	1.7	1.9	23.5	56.1	6.47										
MC-09-006	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99										
MC-09-007	23	2	33	-0.2	6	-0.5	3.1	20.7	46.9	5.67										
MC-09-008	15	2	31	-0.2	4	4.8	1.2	21.3	49.2	5.85										
MC-09-009	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99										
MC-09-010	21	1	30	-0.2	4	1.3	2.1	20.9	46.2	5.62										

Open File NFLD/3228 - Appendix B

Sample Number Method and units	Ga AL 4B2Std (ppm)	Ge AL 4B2Std (ppm)	Y AL 4B2Std (ppm)	In AL 4B2Std (ppm)	Sn AL 4B2Std (ppm)	Sb AL 4B2Std (ppm)	Cs AL 4B2Std (ppm)	La AL 4B2Std (ppm)	Ce AL 4B2Std (ppm)	Pr AL 4B2Std (ppm)
MC-09-011	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-012	23	2	27	-0.2	5	6.3	2.1	33.6	77.2	9.35
MC-09-013	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-014	21	2	32	-0.2	6	5.4	3.3	19.3	41.5	4.75
MC-09-015	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-016	19	2	37	-0.2	5	5.6	3.3	27.0	61.2	7.32
MC-09-017	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-018	23	2	40	-0.2	6	5.2	4.3	26.8	62.1	7.48
MC-09-019	19	2	30	-0.2	6	4.8	2.9	33.3	72.3	8.29
MC-09-020	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-021	23	2	40	-0.2	6	4.6	2.3	30.4	71.4	9.01
MC-09-022	21	2	34	-0.2	5	4.6	1.9	30.6	68.1	8.34
MC-09-024	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-025	22	2	38	-0.2	6	5.1	3.4	31.5	71.5	8.81
MC-09-026	21	2	34	-0.2	6	5.7	4.3	29.7	71.7	8.16
MC-09-027	16	2	33	-0.2	5	5.1	3.5	40.8	84.5	9.85
MC-09-028	19	2	36	-0.2	6	4.9	3.4	27.3	62.4	7.06
MC-09-029	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-030	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-031	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-032	19	2	36	-0.2	6	4.8	2.6	25.8	50.9	6.18
MC-09-033	17	2	33	-0.2	5	4.9	3.0	35.6	73.5	8.50
MC-09-034	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-035	15	2	29	-0.2	5	4.5	2.2	26.4	54.0	6.07
MC-09-036	17	2	29	-0.2	5	4.9	3.4	25.9	55.3	6.49
MC-09-038	15	2	35	-0.2	4	6.2	3.8	25.8	60.8	7.42

Open File NFLD/3228 - Appendix B

Sample Number Method and units	Nd AL 4B2Std (ppm)	Sm AL 4B2Std (ppm)	Eu AL 4B2Std (ppm)	Gd AL 4B2Std (ppm)	Tb AL 4B2Std (ppm)	Dy AL 4B2Std (ppm)	Ho AL 4B2Std (ppm)	Er AL 4B2Std (ppm)	Tm AL 4B2Std (ppm)	Yb AL 4B2Std (ppm)
JHC-09-001	21.8	4.6	1.05	4.0	0.6	3.5	0.7	2.1	0.33	2.2
JHC-09-002	21.6	5.2	1.36	5.3	1.0	5.9	1.2	3.4	0.51	3.5
JHC-09-003	16.4	3.9	1.06	3.9	0.7	4.4	0.9	2.6	0.41	2.8
JHC-09-004	30.9	7.2	1.59	6.9	1.2	7.0	1.4	4.3	0.64	4.3
JHC-09-005	34.7	7.3	1.26	6.3	1.1	6.8	1.5	4.5	0.71	5.1
JHC-09-006	24.6	5.9	1.47	5.8	1.1	6.6	1.3	3.8	0.58	3.9
JHC-09-007	21.7	5.7	1.58	5.9	1.1	6.3	1.3	3.8	0.56	3.9
JHC-09-008	30.2	6.8	1.91	6.2	1.1	6.1	1.2	3.5	0.54	3.7
JHC-09-009	31.2	7.0	1.75	6.7	1.2	6.7	1.3	3.9	0.59	3.9
JHC-09-010	31.2	7.2	1.73	7.2	1.2	7.0	1.4	3.9	0.61	4.0
JHC-09-017	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
JHC-09-018	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
JHC-09-020	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
JHC-09-021	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
JHC-09-022	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
JHC-09-024	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
JHC-09-025	42.6	9.5	2.07	8.7	1.3	7.5	1.5	4.2	0.63	4.2
JHC-09-027	22.8	5.2	1.34	4.9	0.8	4.8	1.0	2.8	0.43	2.9
JHC-09-028	24.3	5.1	1.29	4.5	0.7	4.2	0.8	2.5	0.38	2.6
JHC-09-029	31.1	7.5	1.77	6.9	1.2	6.8	1.3	4.0	0.60	4.1
JHC-09-031	32.1	8.0	1.95	7.6	1.2	7.2	1.4	4.1	0.62	4.1
JHC-09-032	43.6	9.7	1.92	8.9	1.5	8.3	1.6	4.7	0.69	4.7
JHC-09-033	28.1	6.4	1.53	6.1	1.0	6.0	1.2	3.6	0.54	3.7
JHC-09-036	36.6	8.2	1.26	7.0	1.1	6.2	1.3	4.0	0.61	4.3
JHC-09-037	31.9	7.2	1.82	6.7	1.1	6.5	1.3	3.7	0.55	3.8
JHC-09-041	45.2	9.8	2.52	8.7	1.4	7.9	1.5	4.3	0.65	4.2
JHC-09-042	23.7	5.3	1.41	4.9	0.9	5.0	1.0	3.0	0.45	3.1
JHC-09-044	37.5	8.3	1.93	7.5	1.2	7.0	1.4	4.0	0.59	4.0
JHC-09-046	30.4	6.8	1.77	6.4	1.1	6.1	1.2	3.4	0.52	3.6
JHC-09-048	32.3	7.3	1.73	6.6	1.2	6.9	1.3	3.9	0.57	3.8
JHC-09-049	24.3	5.4	1.27	4.6	0.8	5.3	1.1	3.4	0.54	3.7
JHC-09-053	29.9	6.3	1.50	5.2	0.9	5.4	1.1	3.4	0.55	3.8
JHC-09-054	23.3	5.4	1.23	5.2	1.0	6.0	1.2	3.6	0.54	3.7
JHC-09-055	29.9	7.3	1.78	7.3	1.2	7.1	1.4	4.1	0.64	4.1
JHC-09-056	35.1	7.3	1.71	6.6	1.1	6.6	1.3	3.8	0.61	4.0
JHC-09-057	32.8	7.4	1.86	6.8	1.1	6.6	1.3	3.9	0.62	4.0
JHC-09-058	31.9	7.0	1.80	6.5	1.1	6.2	1.2	3.5	0.53	3.6
JHC-09-059	36.6	8.2	1.96	7.5	1.2	6.9	1.3	3.9	0.59	3.9
JHC-09-060	17.1	4.0	0.82	3.7	0.6	4.0	0.9	2.9	0.48	3.5
JHC-09-061	18.3	3.7	0.73	3.4	0.6	3.9	0.9	2.8	0.47	3.4
MC-09-001	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-002	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-003	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-004	25.3	5.7	1.35	4.8	0.8	4.6	0.9	2.7	0.44	3.0
MC-09-006	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-007	22.9	5.2	1.20	4.9	0.9	5.6	1.2	3.7	0.60	4.0
MC-09-008	22.8	5.4	1.70	5.3	0.9	5.2	1.0	3.1	0.49	3.4
MC-09-009	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-010	22.7	5.1	1.24	4.8	0.8	5.2	1.1	3.3	0.52	3.6

Open File NFLD/3228 - Appendix B

Sample Number Method and units	Nd AL 4B2Std (ppm)	Sm AL 4B2Std (ppm)	Eu AL 4B2Std (ppm)	Gd AL 4B2Std (ppm)	Tb AL 4B2Std (ppm)	Dy AL 4B2Std (ppm)	Ho AL 4B2Std (ppm)	Er AL 4B2Std (ppm)	Tm AL 4B2Std (ppm)	Yb AL 4B2Std (ppm)
MC-09-011	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-012	36.4	7.4	1.09	5.0	0.7	4.2	0.9	3.2	0.54	3.9
MC-09-013	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-014	18.8	4.4	1.14	4.5	0.8	5.4	1.1	3.4	0.52	3.6
MC-09-015	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-016	29.7	7.3	1.97	7.2	1.2	6.5	1.2	3.5	0.53	3.5
MC-09-017	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-018	30.3	7.0	1.46	6.6	1.2	6.9	1.4	4.3	0.65	4.3
MC-09-019	31.7	6.6	1.76	5.8	1.0	5.5	1.1	3.3	0.51	3.6
MC-09-020	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-021	36.4	8.3	1.61	7.7	1.3	7.0	1.3	4.0	0.61	4.1
MC-09-022	33.4	7.5	1.67	6.7	1.1	6.1	1.2	3.5	0.55	3.7
MC-09-024	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-025	35.7	8.1	2.09	7.0	1.2	6.7	1.3	3.9	0.60	4.1
MC-09-026	32.8	7.4	1.83	6.7	1.1	6.2	1.2	3.5	0.54	3.6
MC-09-027	38.8	7.9	2.05	6.5	1.0	5.5	1.1	3.2	0.49	3.4
MC-09-028	27.0	6.4	1.44	6.2	1.0	5.7	1.1	3.4	0.53	3.7
MC-09-029	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-030	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-031	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-032	24.2	5.7	1.25	5.9	1.1	6.3	1.2	3.6	0.57	4.0
MC-09-033	31.7	6.7	1.62	5.9	1.0	5.6	1.1	3.3	0.52	3.6
MC-09-034	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-035	23.1	5.0	1.32	5.1	0.9	5.1	1.0	2.9	0.46	3.1
MC-09-036	23.9	5.1	1.23	4.5	0.8	4.9	1.0	3.1	0.49	3.3
MC-09-038	29.8	7.4	2.05	6.9	1.1	5.7	1.1	3.1	0.48	3.3

Open File NFLD/3228 - Appendix B

Sample Number Method and units	Lu AL 4B2Std (ppm)	Hf AL 4B2Std (ppm)	Ta AL 4B2Std (ppm)	W AL 4B2Std (ppm)	Ti AL 4B2Std (ppm)	Bi AL 4B2Std (ppm)	Th AL 4B2Std (ppm)	U AL 4B2Std (ppm)
JHC-09-001	0.38	3.5	0.7	-1	0.2	-0.4	5.7	1.4
JHC-09-002	0.56	6.4	1.2	-1	0.5	-0.4	7.2	2.3
JHC-09-003	0.47	4.4	0.8	-1	0.3	-0.4	5.8	1.7
JHC-09-004	0.70	6.4	1.3	-1	0.3	1.4	6.0	2.1
JHC-09-005	0.83	7.7	1.3	-1	0.4	-0.4	15.7	4.3
JHC-09-006	0.63	5.7	1.0	-1	0.5	-0.4	7.2	2.7
JHC-09-007	0.63	5.8	0.9	-1	0.4	0.4	7.3	4.2
JHC-09-008	0.57	6.3	0.9	1	0.3	-0.4	7.2	2.4
JHC-09-009	0.65	6.4	1.2	-1	0.4	-0.4	6.8	2.3
JHC-09-010	0.64	6.2	1.1	-1	0.5	-0.4	7.2	2.5
JHC-09-017	-99	-99	-99	-99	-99	-99	-99	-99
JHC-09-018	-99	-99	-99	-99	-99	-99	-99	-99
JHC-09-020	-99	-99	-99	-99	-99	-99	-99	-99
JHC-09-021	-99	-99	-99	-99	-99	-99	-99	-99
JHC-09-022	-99	-99	-99	-99	-99	-99	-99	-99
JHC-09-024	-99	-99	-99	-99	-99	-99	-99	-99
JHC-09-025	0.69	6.6	1.2	4	0.3	-0.4	7.4	2.6
JHC-09-027	0.48	4.4	0.7	1	0.2	0.5	5.9	1.6
JHC-09-028	0.42	3.9	0.7	-1	0.1	-0.4	5.4	1.5
JHC-09-029	0.67	6.4	1.3	-1	0.5	-0.4	7.0	2.3
JHC-09-031	0.66	6.5	1.4	-1	0.6	-0.4	6.7	2.2
JHC-09-032	0.75	7.7	1.6	-1	0.5	-0.4	6.9	2.5
JHC-09-033	0.61	5.9	1.2	-1	0.3	-0.4	6.5	2.2
JHC-09-036	0.72	6.2	1.2	-1	0.3	-0.4	6.4	2.1
JHC-09-037	0.61	5.9	1.0	-1	0.4	-0.4	6.9	2.5
JHC-09-041	0.70	7.6	1.1	1	0.2	-0.4	8.4	2.8
JHC-09-042	0.50	4.7	0.8	-1	0.2	-0.4	6.2	1.8
JHC-09-044	0.67	6.7	1.2	-1	0.5	-0.4	7.3	2.4
JHC-09-046	0.58	5.4	0.9	-1	0.4	-0.4	6.7	2.5
JHC-09-048	0.62	6.1	1.2	-1	0.5	-0.4	6.6	2.2
JHC-09-049	0.60	6.6	1.2	-1	0.3	-0.4	7.6	2.3
JHC-09-053	0.62	5.9	1.0	-1	0.4	-0.4	7.5	2.6
JHC-09-054	0.58	8.2	1.1	5	0.3	-0.4	6.8	3.1
JHC-09-055	0.67	6.3	1.3	-1	0.5	-0.4	6.9	2.5
JHC-09-056	0.64	6.5	1.3	-1	0.4	-0.4	7.0	2.1
JHC-09-057	0.64	6.6	1.3	-1	0.3	-0.4	6.8	2.1
JHC-09-058	0.58	5.6	0.9	-1	0.3	-0.4	6.7	2.3
JHC-09-059	0.61	6.1	1.2	-1	0.3	-0.4	6.5	2.1
JHC-09-060	0.61	5.6	0.8	-1	0.4	-0.4	9.6	5.8
JHC-09-061	0.57	5.2	0.8	-1	0.3	11.3	10.4	3.2
MC-09-001	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-002	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-003	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-004	0.48	5.8	0.9	-1	0.2	-0.4	6.7	2.0
MC-09-006	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-007	0.64	6.2	1.2	-1	0.4	-0.4	6.9	2.5
MC-09-008	0.54	4.3	0.9	10	0.2	0.4	5.9	1.8
MC-09-009	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-010	0.61	5.5	0.9	1	0.4	-0.4	6.9	2.3

Open File NFLD/3228 - Appendix B

Sample Number Method and units	Lu AL 4B2Std (ppm)	Hf AL 4B2Std (ppm)	Ta AL 4B2Std (ppm)	W AL 4B2Std (ppm)	Ti AL 4B2Std (ppm)	Bi AL 4B2Std (ppm)	Th AL 4B2Std (ppm)	U AL 4B2Std (ppm)
MC-09-011	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-012	0.66	6.1	1.0	10	0.5	0.9	7.6	3.6
MC-09-013	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-014	0.59	6.4	1.1	11	0.5	0.7	7.5	2.6
MC-09-015	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-016	0.57	5.2	1.1	10	0.5	0.8	5.3	1.9
MC-09-017	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-018	0.71	6.2	1.3	10	0.6	0.9	7.0	2.0
MC-09-019	0.60	5.7	1.1	11	0.3	0.5	6.3	2.8
MC-09-020	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-021	0.69	5.9	1.2	10	0.3	0.6	6.2	2.1
MC-09-022	0.60	5.7	1.0	10	0.4	0.4	6.2	2.2
MC-09-024	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-025	0.68	6.5	1.3	10	0.5	0.6	7.2	2.3
MC-09-026	0.61	5.9	1.1	10	0.5	0.9	6.4	2.0
MC-09-027	0.56	6.7	0.8	10	0.5	0.7	7.5	2.4
MC-09-028	0.62	6.0	1.0	11	0.5	0.7	8.5	2.9
MC-09-029	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-030	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-031	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-032	0.64	6.0	1.0	10	0.4	1.3	8.5	2.8
MC-09-033	0.61	8.0	0.9	10	0.4	1.3	7.4	2.5
MC-09-034	-99	-99	-99	-99	-99	-99	-99	-99
MC-09-035	0.52	4.6	0.7	10	0.3	0.7	6.6	2.1
MC-09-036	0.57	6.0	0.9	11	0.5	0.5	7.8	2.6
MC-09-038	0.53	5.7	0.8	10	0.5	1	7.2	2.3

Open File NFLD/3228 - Appendix C

Table 1. Drillhole locational information

DDH_ID	UTMEast	UTMNorth	Azimuth	Dip	Depth_m	NTS_map
RC-01-01	325280	5386120		90	106.68	02C/11
RC-01-02	325586	5386414	316	89	89.70	02C/11
RC-01-03	325458	5386537		90	174.00	02C/11
RC-01-05	325015	5386179	285	88	157.60	02C/11
RC-01-06	324246	5385586	146	89	91.40	02C/11
RC-02-07	325441	5386253		90	400.00	02C/11
RC-02-08	321630	5384210	135	60	260.00	02C/11
RC-02-09	320610	5384829	270	55	164.00	02C/11
PR-02-03	325590	5366831	305	55	114.40	02C/11

Open File NFLD/3228 - Appendix D

Table 2a. Major element ICP-ES standards and duplicate data

Lab Number	Field Number	SiO2 %	Al2O3 %	Fe2O3T %	Fe2O3 %	FeO %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	MnO %	P2O5 %	Cr ppm	Zr ppm	Ba ppm	LOI %	Total %	Comments
6841029	MC-09-008	69.29	13.02	6.47	0.84	5.07	3.21	0.44	2.67	1.18	0.812	0.228	0.217	-100	200	279	3.03	100.55	original sample
6841030	6841029	69.02	13.01	6.45	1.04	4.86	3.23	0.32	2.67	1.17	0.844	0.229	0.127	-100	190	276	3.03	100.09	duplicate
6841040	SCO-1	61.23	13.58	4.88	-99.00	-99.00	2.74	2.48	0.95	2.72	0.593	0.050	0.206	-100	168	586	-99.00	-99.00	standard
6841049	MC-09-027	69.92	15.32	3.70	3.50	0.18	0.74	0.65	2.89	3.22	0.816	0.033	0.025	-100	272	855	2.08	99.40	original sample
6841050	6841049	69.78	15.49	3.87	3.54	0.30	0.80	0.65	2.86	3.29	0.829	0.035	0.026	-100	274	876	2.10	99.73	duplicate
6841060	AND-1	49.64	15.76	6.69	-99.00	-99.00	6.25	6.57	2.73	2.17	0.927	0.107	0.188	369	127	309	-99.00	-99.00	standard
6840788	09JH004A	67.81	16.27	2.52	2.48	0.03	1.11	2.77	0.42	4.57	0.196	0.095	0.034	-100	213	1168	2.54	98.34	original sample
6840790	6840788	68.02	16.17	2.55	2.52	0.03	1.27	2.82	0.46	4.63	0.192	0.094	0.036	-100	195	1192	2.54	98.77	duplicate
6840800	GA-1	53.13	16.11	9.21	-99.00	-99.00	5.79	8.38	2.75	1.14	0.804	0.162	0.153	117	81	404	-0.01	-99.00	standard
6840809	09JH008P	59.75	17.31	8.87	1.75	6.40	3.20	0.29	1.56	3.04	1.207	0.229	0.158	-100	225	705	3.80	99.41	original sample
6840810	6840809	59.85	17.16	8.89	1.77	6.41	3.18	0.29	1.55	3.00	1.214	0.228	0.166	-100	219	702	3.76	99.28	duplicate
6840820	SDC-1	64.88	15.52	6.85	-99.00	-99.00	1.67	1.41	2.09	3.19	0.999	0.115	0.146	-100	303	633	-0.01	-99	standard
6840829	09JH025	77.71	10.96	2.80	2.59	0.19	0.56	0.36	3.62	1.45	0.474	0.039	0.006	-100	152	429	1.24	99.22	original sample
6840830	6840829	78.29	10.77	2.78	2.57	0.19	0.52	0.36	3.57	1.42	0.470	0.040	0.004	-100	162	424	1.27	99.48	duplicate
6840840	GD-2	76.63	12.55	0.45	-99.00	-99.00	0.17	0.10	3.59	5.32	0.060	0.020	0.007	-100	64	659	-0.01	-99.00	standard
6840849	09JH042	70.18	15.16	4.76	1.28	3.13	1.37	0.30	2.44	2.46	0.738	0.097	0.025	-100	229	649	2.51	100.05	original sample
6840850	6840849	70.56	15.12	4.81	1.43	3.04	1.37	0.31	2.45	2.54	0.726	0.095	0.024	-100	238	663	2.44	100.45	duplicate
6840860	STM-1	60.59	18.23	5.32	-99.00	-99.00	0.14	1.13	8.76	4.23	0.135	0.226	0.149	-100	1308	585	-0.01	-99.00	standard
6840868	09JH059A	66.60	15.91	4.86	1.06	3.42	1.85	0.37	1.71	3.36	0.746	0.141	0.026	-100	212	917	2.90	98.46	original sample
6840870	6840868	66.38	15.89	4.83	0.54	3.87	1.89	0.36	1.71	3.36	0.736	0.142	0.026	-100	201	919	2.95	96.28	duplicate
6840880	AND-1	49.26	15.15	6.78	-99.00	-99.00	6.11	6.53	2.72	2.10	0.930	0.111	0.188	405	132	300	-0.01	-99.00	standard
6840889	09JH072	70.01	14.84	3.04	-99.00	-99.00	1.13	0.38	4.25	2.62	0.468	0.101	0.055	-100	253	599	2.18	99.07	original sample
6840890	6840889	69.31	14.74	3.06	-99.00	-99.00	1.15	0.37	4.19	2.60	0.459	0.101	0.055	-100	247	588	2.02	96.06	duplicate
6840900	QLO-1	65.47	15.81	4.11	-99.00	-99.00	1.06	3.09	4.22	3.54	0.616	0.089	0.254	-100	177	1407	-0.01	-99.00	standard
6840909	09JH086	62.85	17.68	4.55	1.11	3.10	3.18	0.11	1.34	3.48	0.987	0.270	0.040	-100	252	902	3.67	98.16	original sample
6840910	6840909	63.04	17.63	4.55	1.11	3.10	3.17	0.11	1.36	3.45	1.001	0.270	0.041	-100	247	897	3.65	96.27	duplicate
6840920	GD-1	71.95	14.53	1.98	-99.00	-99.00	0.66	1.48	4.27	3.40	0.245	0.085	0.081	-100	122	1074	-0.01	-99.00	standard
6840929	09JH100A	60.33	19.25	6.80	-99.00	-99.00	2.14	0.71	2.33	3.10	1.099	0.089	0.108	-100	241	731	3.81	99.77	original sample
6840930	6840929	60.14	19.03	6.58	-99.00	-99.00	2.12	0.71	2.31	3.09	1.104	0.086	0.104	-100	242	731	3.75	99.02	duplicate
6840940	G-2	67.35	15.03	2.33	-99.00	-99.00	0.77	1.82	4.01	4.34	0.489	0.032	0.127	-100	310	1928	-0.01	-99.00	standard
6840949	09JH114	56.19	19.25	9.57	1.39	7.37	1.99	1.17	2.56	2.73	1.255	0.142	0.097	-100	232	935	3.71	98.67	original sample
6840950	6840949	55.13	19.87	9.55	1.23	7.50	1.94	1.21	2.49	2.83	1.271	0.146	0.100	-100	233	934	3.48	98.03	duplicate
6840960	MA-N	67.52	17.90	0.21	-99.00	-99.00	0.04	0.59	5.86	3.20	0.011	0.037	1.452	-100	38	58	-0.01	-99.00	standard
6840980	MAG-1	51.35	16.83	7.22	-99.00	-99.00	3.11	1.43	3.99	3.56	0.748	0.104	0.170	-100	131	513	-0.01	-99.00	original sample
6840983	JHC-09-007	57.99	17.85	8.15	-99.00	-99.00	2.72	0.44	2.15	3.11	1.110	0.155	0.104	-100	218	680	4.56	98.33	duplicate
6840990	6840983	58.63	18.04	8.33	-99.00	-99.00	2.62	0.46	2.18	3.09	1.107	0.157	0.123	-100	223	657	4.53	99.28	duplicate
6841000	RH-1	74.43	13.64	2.26	-99.00	-99.00	0.89	0.27	7.12	0.76	0.295	0.038	0.043	-100	256	293	-0.01	-99.00	standard
6841020	AGV-1	58.59	17.05	6.64	-99.00	-99.00	1.55	4.81	4.30	2.93	1.076	0.096	0.497	-100	223	1254	-0.01	-99.00	standard
6841087	10JH006A01	63.24	14.56	7.41	5.17	2.01	1.96	1.56	3.33	1.85	1.007	0.126	0.167	-100	225	478	2.67	97.88	original sample, repeated
6841090	6841087	62.94	14.30	7.46	5.25	1.99	1.91	1.53	3.11	1.83	0.969	0.126	0.162	-100	238	484	2.70	97.03	duplicate, repeated
6841100	SDC-1	66.86	16.12	7.11	-99.00	-99.00	1.66	1.41	2.15	3.29	1.019	0.118	0.142	-100	321	660	-99.00	-99.00	standard
6841120	VS-N	55.61	13.39	3.99	-99.00	-99.00	4.63	4.28	5.56	8.01	1.077	0.101	0.013	634	717	957	-99.00	-99.00	standard
6841126	10JH039A01	76.79	10.99	2.80	0.89	1.72	0.54	1.07	2.81	0.99	0.339	0.056	0.024	-100	106	224	1.95	98.36	original sample
6841130	6841126	74.40	10.69	2.76	0.90	1.68	0.54	1.05	2.87	0.90	0.327	0.057	0.021	-100	116	215	1.87	95.49	duplicate, repeated
6841140	RGM-1	73.16	13.95	1.83	-99.00	-99.00	0.29	1.16	3.95	4.30	0.264	0.034	0.039	-100	218	848	-99.00	-99.00	standard

Open File NFLD/3228 - Appendix E

Table 2b. Trace element ICP-ES standards and duplicate data

Lab Number	Field Number	As ppm	Ba ppm	Be ppm	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Fe %	La ppm	Li ppm	Mn ppm	Mo ppm	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Sc ppm	Sr ppm	Ti ppm	V ppm	Y ppm	Zn ppm	Comments
6841029	MC-09-008	-2	277	0.5	-0.1	46	22	44	92	3.2	4.44	18	68.9	1796	-1	11	18	926	-1	29	13.5	103	4220	139	22	90	original sample
6841030	6841029	-2	275	0.5	-0.1	44	22	46	94	2.7	4.47	18	69.8	1813	-1	11	18	551	-1	28	13.8	102	4140	141	21	90	duplicate
6841040	SY-4	-2	328	2.5	-0.1	117	3	8	2	17.4	4.17	55	35.6	812	-1	12	5	563	-1	51	0.9	1077	1700	2	116	90	standard
6841049	MC-09-027	-2	835	1.1	-0.1	73	13	28	10	4.6	2.69	34	10.3	277	-1	12	7	122	-1	95	12.8	123	5323	95	30	49	original sample
6841050	6841049	-2	870	1.2	-0.1	70	13	29	10	4.8	2.75	32	11.7	315	-1	12	8	110	-1	97	13.1	118	5028	97	30	54	duplicate
6841060	WGB-1	-2	792	-0.1	-0.1	17	28	244	88	2.5	4.46	7	44.3	978	-1	7	55	351	-1	23	42.5	114	4967	212	14	37	standard
6840788	09JH004A	27	1145	3.6	-0.1	98	3	1	29	12.1	1.70	43	12.7	760	-1	16	-1	141	3	134	12.2	249	1353	-1	75	51	original sample
6840790	6840788	27	1142	3.5	-0.1	98	3	1	29	12.1	1.69	43	12.7	753	-1	17	-1	139	3	133	12.1	247	1345	-1	75	51	duplicate
6840800	SY-4	4	336	2.5	0.1	118	3	8	2	18.1	4.27	56	36.0	837	-1	13	4	583	-1	52	1.0	1083	1729	-1	117	91	standard
6840809	09JH008P	4	708	0.8	-0.1	60	26	71	324	5.0	6.18	25	84.8	1845	-1	14	19	738	-1	86	21.7	63	6296	185	25	103	original sample
6840810	6840809	4	705	0.8	-0.1	59	27	72	315	4.7	6.07	24	80.2	1889	-1	14	20	743	-1	83	22.2	63	6414	187	26	103	duplicate
6840820	WGB-1	4	802	-0.1	-0.1	16	27	263	87	2.6	4.49	8	44.2	1016	-1	7	55	367	2	19	42.8	114	5061	203	14	37	standard
6840829	09JH025	3	445	1.0	-0.1	40	7	16	1	2.4	1.75	17	8.5	314	-1	8	4	29	-1	49	7.5	142	2985	32	16	34	original sample
6840830	6840829	3	453	0.9	-0.1	41	7	15	1	2.5	1.70	17	8.5	314	-1	8	4	29	-1	47	7.5	143	3007	31	16	34	duplicate
6840840	SY-4	4	329	2.5	-0.1	118	3	9	1	17.2	4.21	55	35.9	812	-1	13	4	576	-1	56	0.9	1062	1681	-1	113	88	standard
6840849	09JH042	3	1308	2.0	-0.1	40	14	27	8	6.9	6.49	12	69.8	788	-1	20	7	112	-1	192	14.4	90	9443	66	50	97	original sample
6840850	6840849	3	1305	2.0	-0.1	39	14	27	8	6.8	6.48	12	69.7	788	-1	21	7	111	-1	185	14.3	90	9218	65	49	97	duplicate
6840860	WGB-1	4	795	-0.1	-0.1	15	27	266	92	2.8	4.49	7	44.5	1013	-1	6	56	360	2	20	42.9	116	4985	213	14	37	standard
6840868	09JH059A	3	898	0.9	-0.1	17	16	64	33	5.5	3.25	8	43.2	1164	-1	11	11	121	-1	107	15.4	62	4652	159	35	87	original sample
6840870	6840868	3	903	0.9	-0.1	17	16	62	34	5.4	3.24	8	42.9	1164	-1	10	11	120	-1	107	14.9	61	4458	157	34	88	duplicate
6840880	SY-4	4	336	2.5	-0.1	116	3	8	1	17.2	4.26	55	36.7	839	-1	13	4	583	-1	55	0.9	1058	1679	-1	114	92	standard
6840889	09JH072	12	598	1.7	-0.1	44	8	14	906	5.1	2.30	35	36.7	840	22	10	3	269	-1	75	11.2	197	3094	27	35	24	original sample
6840890	6840889	12	603	1.7	-0.1	44	8	14	910	5.1	2.33	35	36.3	846	23	10	3	265	-1	75	11.3	198	3090	28	35	24	duplicate
6840900	WGB-1	5	801	-0.1	-0.1	16	28	276	90	3.0	4.52	7	44.6	1026	-1	7	56	359	2	19	43.2	116	5193	216	14	37	standard
6840909	09JH086	2	892	1.5	0.5	19	23	62	42	4.2	3.32	4	53.9	2186	-1	16	20	175	-1	113	19.5	68	5739	135	25	102	original sample
6840910	6840909	3	891	1.5	0.6	19	23	63	42	4.1	3.31	4	54.0	2186	-1	16	20	175	-1	113	19.4	68	5778	136	25	103	duplicate
6840920	SY-4	4	341	2.7	0.1	122	3	8	3	18.7	4.31	58	36.7	856	-1	13	5	582	-1	55	1.0	1073	1795	-1	122	96	standard
6840929	09JH100A	19	718	1.6	-0.1	35	24	62	1370	5.4	4.66	12	36.4	722	-1	15	21	470	-1	92	24.5	165	7177	143	32	70	original sample
6840930	6840929	18	704	1.6	-0.1	37	23	61	1404	5.3	4.71	13	36.7	730	-1	15	22	468	-1	93	24.7	167	7244	146	32	71	duplicate
6840940	WGB-1	4	796	0.1	-0.1	17	28	271	89	2.8	4.56	8	44.5	1033	-1	7	58	364	2	21	43.3	116	5318	219	15	39	standard
6840949	09JH114	23	886	1.9	-0.1	57	25	63	24	6.3	6.58	25	62.6	1173	-1	16	22	428	-1	83	24.9	182	8465	167	37	113	original sample
6840950	6840949	17	954	2.0	-0.1	58	24	66	23	6.5	6.68	24	63.7	1190	-1	16	22	496	-1	92	26.2	179	9136	178	38	117	duplicate
6840960	SY-4	5	329	2.7	-0.1	120	3	8	3	18.7	4.29	59	36.3	844	-1	13	5	573	-1	59	1.0	1079	1751	1	125	94	standard
6840980	WGB-1	4	790	0.2	-0.1	17	28	280	89	2.6	4.56	8	45.0	1042	-1	7	59	366	-1	20	43.9	117	5231	225	15	40	standard
6840983	JHC-09-007	22	76	1.6	0.2	52	27	65	4744	5.4	5.57	15	67.8	1268	-1	15	22	484	17	81	24.3	75	6882	162	32	88	original sample
6840990	6840983	21	73	1.6	0.4	50	25	62	4790	5.0	5.29	14	64.5	1207	-1	14	21	463	16	85	23.2	67	6651	154	32	85	duplicate
6841000	SY-4	4	307	2.6	0.2	113	3	8	3	16.8	3.88	53	33.7	813	-1	13	5	560	-1	55	0.9	977	1728	1	116	93	standard
6841020	WGB-1	4	796	0.1	-0.1	16	30	285	88	2.9	4.59	8	45.1	1079	-1	7	59	364	1	23	42.5	114	5388	218	15	39	standard
6841080	WGB-1	2	822	0.3	-0.1	17	28	256	87	2.3	4.55	9	45.1	982	-1	8	56	352	-1	19	43.1	116	4957	221	14	37	standard
6841087	10JH006A01	3	493	1.3	-0.1	64	19	37	2	6.0	5.12	28	33.6	980	-1	15	10	732	1	85	19.1	395	5979	103	34	88	original sample
6841090	6841087	3	489	1.4	-0.1	64	20	38	3	6.1	5.35	29	33.6	991	-1	16	10	744	-1	82	19.3	394	6209	108	35	89	duplicate
6841100	SY-4	2	343	2.7	-0.1	121	3	9	2	18.0	4.34	57	37.1	796	-1	13	4	563	-1	51	0.9	1130	1634	3	119	86	standard
6841120	WGB-1	3	841	0.3	-0.1	17	29	248	91	2.5	4.69	9	45.5	995	-1	9	58	361	-1	20	43.8	117	5292	219	14	37	standard
6841126	10JH039A01	2	235	1.0	0.1	30	8	20	218	1.5	2.05	15	13.3	466	-1	6	6	112	-1	25	6.9	206	2165	56	12	31	original sample
6841130	6841126	2	234	0.9	-0.1	31	9	20	216	1.7	2.03	15	13.1	454	-1	6	6	107	-1	27	6.7	203	2135	55	11	30	duplicate
6841140	SY-4	2	340	2.7	-0.1	121	3	9	2	17.8	4.30	57	36.9	802	-1	13	4	553	-1	54	0.9	1135	1681	3	117	87	standard

Open File NFLD/3228 - Appendix F

Table 2c. Trace element ICP-MS standards and duplicate data

Analyte Symbol Unit Symbol Detection Limit Analysis Method	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Sr	Y	Zr	Nb	Mo
	ppm FUS-MS	ppm FUS-MS	ppm FUS-MS	ppm FUS-MS	ppm FUS-MS	ppm FUS-MS	ppm FUS-MS	ppm FUS-MS	ppm FUS-MS	ppm FUS-MS	ppm FUS-MS	ppm FUS-MS	ppm FUS-MS	ppm FUS-MS	ppm FUS-MS
WMG-1 Meas	164	740	197	2470	5680	110	10	-99	8	-99	39	14	59	5	-2
WMG-1 Cert	149	770	200	2700	5900	110	10.3	-99	7	-99	41	12	43	6	1.4
DNC-1 Meas	144	260	57	250	110	70	13	1	-5	4	143	17	37	1	-2
DNC-1 Cert	148	285	54.7	247	96	66	15	1.3	0.2	4.5	145	18	41	3	0.7
GXR-2 Meas	50	30	9	-20	90	590	33	-99	25	77	156	17	208	7	-2
GXR-2 Cert	52	36	8.6	21	76	530	37	-99	25	78	160	17	269	11	2.1
MAG-1 (Depleted) Meas	136	100	22	50	30	140	21	-99	25	144	138	26	128	14	-2
MAG-1 (Depleted) Cert	140	97	20.4	53	30	130	20.4	-99	9.2	149	146	28	126	12	1.6
MAG-1 (Depleted) Meas	135	90	22	50	30	140	22	-99	9	146	141	27	131	14	-2
MAG-1 (Depleted) Cert	140	97	20.4	53	30	130	20.4	-99	9.2	149	146	28	126	12	1.6
W-2a Meas	250	80	42	70	110	80	16	2	-5	19	191	21	96	7	-2
W-2a Cert	262	92	43	70	110	80	17	1	1.2	21	190	24	94	7.9	0.6
CTA-AC-1 Meas	107	-99	-1	-99	70	-30	-99	-99	-99	-99	-99	323	-99	-99	-99
CTA-AC-1 Cert	104	-99	2.72	-99	54	38	-99	-99	-99	-99	-99	272	-99	-99	-99
BIR-1a Meas	318	380	53	170	140	80	15	2	-5	-2	112	16	15	-1	-2
BIR-1a Cert	313	382	51.4	166	126	71	16	1.5	0.44	0.25	108	16	16	0.6	0.5
NCS DC86312 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
NCS DC86312 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
NCS DC70014 Meas	-99	-99	24	70	2580	7400	24	-99	1480	-99	-99	32	-99	-1	> 100
NCS DC70014 Cert	-99	-99	26.2	70.9	2600	7400	25.2	-99	7900	-99	-99	32.1	-99	46.9	270
NCS DC70009 (GBW07241) Meas	-99	30	3	-20	1000	100	16	11	70	504	-99	146	-99	-99	> 100
NCS DC70009 (GBW07241) Cert	-99	30	3.7	2.8	960	100	16.5	11.2	69.9	500	-99	128	-99	-99	980
OREAS 100a (Fusion) Meas	34	-99	17	-99	180	-99	-99	-99	-99	-99	-99	142	-99	-99	22
OREAS 100a (Fusion) Cert	36.7	-99	18.1	-99	169	-99	-99	-99	-99	-99	-99	142	-99	-99	24.1
OREAS 101a (Fusion) Meas	74	-99	48	-99	450	-99	-99	-99	-99	-99	-99	180	-99	-99	20
OREAS 101a (Fusion) Cert	83	-99	48.8	-99	434	-99	-99	-99	-99	-99	-99	183	-99	-99	21.9
JR-1 Meas	-5	-20	-1	-20	-10	-30	16	3	17	252	30	42	100	15	3
JR-1 Cert	7	2.83	0.83	1.67	2.68	30.6	16.1	1.88	16.3	257	29.1	45.1	99.9	15.2	3.25
6840860 Orig	7	-20	1	-20	-10	100	33	1	-5	53	1090	122	625	14	-2
6840860 Dup	7	-20	1	-20	-10	100	33	1	-5	52	1070	120	596	14	-2
6840894 Orig	20	-20	1	-20	20	60	24	2	-5	127	98	79	541	31	-2
6840894 Dup	22	-20	1	-20	20	60	25	2	-5	129	100	81	533	29	-2
6840933 Orig	156	60	18	20	3710	100	17	2	-5	50	238	29	222	12	-2
6840933 Dup	156	60	18	20	3690	110	17	2	-5	51	240	29	223	12	-2
6840979 Orig	182	60	33	30	150	150	23	2	-5	63	84	41	271	18	-2
6840979 Dup	185	60	33	30	150	150	24	2	-5	63	85	41	275	20	-2
6841028 Orig	173	50	26	20	340	130	23	2	-5	105	66	33	258	17	-2
6841028 Dup	176	50	26	20	330	130	23	2	-5	107	67	33	260	18	-2
6841056 Orig	85	50	9	20	10	70	16	2	-5	91	84	33	355	12	-2
6841056 Dup	86	50	9	20	10	70	17	2	-5	91	84	33	347	12	-2

Open File NFLD/3228 - Appendix F

Table 2c. Trace element ICP-MS standards and duplicate data

Analyte Symbol	Ag	In	Sn	Sb	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.5	0.2	1	0.5	0.5	3	0.1	0.1	0.05	0.1	0.1	0.05	0.1	0.1	0.1
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
WMG-1 Meas	2.1	-99	4	3.9	-0.5	119	9.5	19.1	-99	9.9	2.5	0.75	-99	0.4	2.5
WMG-1 Cert	2.7	-99	2.2	1.8	0.48	114	8.2	16	-99	9	2.3	0.82	-99	0.3	2.8
DNC-1 Meas	-0.5	-99	-99	1	-0.5	108	4.2	8.9	1.15	5	1.4	0.59	2	0.4	2.8
DNC-1 Cert	0.027	-99	-99	0.96	0.34	114	3.8	10.6	1.3	4.9	1.38	0.59	2	0.41	2.7
GXR-2 Meas	16.9	-0.2	4	55.8	5.3	2190	28.3	55.4	-99	20.2	3.7	0.73	3.1	0.5	2.9
GXR-2 Cert	17	0.252	1.7	49	5.2	2240	25.6	51.4	-99	19	3.5	0.81	3.3	0.48	3.3
MAG-1 (Depleted) Meas	-0.5	-0.2	6	0.9	8.7	515	46	88.5	10.2	37.7	7.4	1.46	5.9	0.9	5.1
MAG-1 (Depleted) Cert	0.08	0.18	3.6	0.96	8.6	479	43	88	9.3	38	7.5	1.6	5.8	0.96	5.2
MAG-1 (Depleted) Meas	0.5	-0.2	7	0.5	8.9	521	46.7	92.2	10.6	38.3	7.5	1.45	6	1	5.3
MAG-1 (Depleted) Cert	0.08	0.18	3.6	0.96	8.6	479	43	88	9.3	38	7.5	1.6	5.8	0.96	5.2
W-2a Meas	-0.5	-99	-99	2.2	0.9	185	12.2	25.6	-99	13.3	3.4	1.1	-99	0.7	3.8
W-2a Cert	0.046	-99	-99	0.79	0.99	182	10	23	-99	13	3.3	1	-99	0.63	3.6
CTA-AC-1 Meas	-99	-99	-99	-99	-99	877	> 2000	> 3000	-99	1150	169	46.2	130	15.2	-99
CTA-AC-1 Cert	-99	-99	-99	-99	-99	767	2176	3326	-99	1087	162	46.7	124	13.9	-99
BIR-1a Meas	-0.5	-99	2	0.6	-0.5	7	0.8	2.3	0.41	2.5	1.2	0.53	2	0.4	2.7
BIR-1a Cert	0.036	-99	0.65	0.58	0.005	7	0.62	1.95	0.38	2.5	1.1	0.54	1.85	0.36	2.5
NCS DC86312 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
NCS DC86312 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99
NCS DC70014 Meas	16.8	-99	> 1000	180	-99	-99	46.2	86.9	10.2	37	7.8	1.66	7.1	1.1	6.3
NCS DC70014 Cert	16.7	-99	44700	180	-99	-99	45.3	87	10.8	39.9	8	1.8	7.4	1.1	6.7
NCS DC70009 (GBW07241) Meas	1.9	1.3	> 1000	3.9	42.6	-99	28	67.5	8.86	34.1	13.1	0.11	15.1	3.4	21.2
NCS DC70009 (GBW07241) Cert	1.8	1.3	1700	3.1	41	-99	23.7	60.3	7.9	32.9	12.5	0.16	14.8	3.3	20.7
OREAS 100a (Fusion) Meas	-99	-99	-99	-99	-99	-99	282	473	49.3	152	24.4	3.66	20.9	3.8	23.3
OREAS 100a (Fusion) Cert	-99	-99	-99	-99	-99	-99	260	463	47.1	152	23.6	3.71	23.6	3.8	23.2
OREAS 101a (Fusion) Meas	-99	-99	-99	-99	-99	-99	835	1390	135	396	50.3	7.97	35.1	5.5	31.8
OREAS 101a (Fusion) Cert	-99	-99	-99	-99	-99	-99	816	1396	134	403	48.8	8.06	43.4	5.92	33.3
JR-1 Meas	-0.5	-0.2	6	1.5	20.7	50	22.3	50.9	6.28	23.6	5.8	0.27	5.6	1	6.3
JR-1 Cert	0.031	0.028	2.86	1.19	20.8	50.3	19.7	47.2	5.58	23.3	6.03	0.3	5.06	1.01	5.69
6840860 Orig	1.7	-0.2	17	-0.5	1.6	361	69.1	136.0	16.30	60.9	13.5	1.97	14.7	2.9	19.3
6840860 Dup	1.6	-0.2	17	-0.5	1.6	358	68.8	137.0	16.40	60.8	13.3	2.01	14.4	2.9	19.6
6840894 Orig	1.3	-0.2	17	-0.5	7.1	1230	73.5	140.0	16.20	57.3	11.5	1.23	11.2	2.1	13.3
6840894 Dup	1.4	-0.2	18	0.8	7.3	1250	72.4	140.0	15.90	56.5	11.6	1.20	11.1	2.1	13.2
6840933 Orig	4.0	-0.2	4	-0.5	2.3	563	29.9	47.0	6.87	26.6	5.6	1.28	5.2	0.9	5.5
6840933 Dup	4.4	-0.2	4	-0.5	2.3	563	29.9	45.9	6.81	26.2	5.6	1.24	5.3	0.9	5.5
6840979 Orig	0.8	-0.2	5	0.5	1.8	585	26.1	63.0	7.70	30.9	7.2	1.57	6.9	1.1	7.0
6840979 Dup	0.8	-0.2	5	0.7	1.9	589	26.2	62.7	7.65	30.9	7.1	1.61	7.0	1.2	7.0
6841028 Orig	0.7	-0.2	6	-0.5	3.0	933	21.3	48.2	5.83	23.5	5.4	1.22	5.0	0.9	5.7
6841028 Dup	0.8	-0.2	6	-0.5	3.1	930	20.1	45.6	5.52	22.3	5.1	1.17	4.8	0.9	5.6
6841056 Orig	1.0	-0.2	5	5.0	3.0	918	36.2	74.2	8.58	32.0	6.6	1.62	5.9	1.0	5.5
6841056 Dup	1.0	-0.2	5	4.9	3.0	923	35.0	72.9	8.41	31.4	6.7	1.62	5.8	1.0	5.7

Open File NFLD/3228 - Appendix F

Table 2c. Trace element ICP-MS standards and duplicate data

Analyte Symbol	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Tl	Pb	Bi	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.4	0.1	0.1
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
WMG-1 Meas	0.5	-99	0.21	1.3	0.19	1.5	0.3	2	-99	15	-99	1.4	0.8
WMG-1 Cert	0.5	-99	0.2	1.3	0.21	1.3	0.5	1.3	-99	15	-99	1.1	0.65
DNC-1 Meas	0.6	1.9	0.3	2	0.3	1	-0.1	-1	-0.1	7	-0.4	0.2	-0.1
DNC-1 Cert	0.62	2	0.38	2.01	0.32	1.01	0.098	0.2	0.026	6.3	0.02	0.2	0.1
GXR-2 Meas	-99	-99	0.26	1.8	0.27	5.1	0.8	-1	0.7	706	-0.4	8.3	3.1
GXR-2 Cert	-99	-99	0.3	2.04	0.26	8.3	0.9	1.9	1.03	690	0.69	8.8	2.9
MAG-1 (Depleted) Meas	1	2.8	0.43	2.6	0.38	3.4	1.2	1	0.4	24	-0.4	11.7	2.8
MAG-1 (Depleted) Cert	1.02	3	0.43	2.6	0.4	3.7	1.1	1.4	0.59	24	0.34	11.9	2.7
MAG-1 (Depleted) Meas	1	2.7	0.43	2.7	0.38	3.4	1.2	-1	0.3	25	-0.4	11.9	3.1
MAG-1 (Depleted) Cert	1.02	3	0.43	2.6	0.4	3.7	1.1	1.4	0.59	24	0.34	11.9	2.7
W-2a Meas	0.8	2.2	0.33	2.1	0.29	2.4	0.5	1	-0.1	9	-0.4	2.2	0.5
W-2a Cert	0.76	2.5	0.38	2.1	0.33	2.6	0.5	0.3	0.2	9.3	0.03	2.4	0.53
CTA-AC-1 Meas	-99	-99	-99	11.1	1.12	1.7	2.6	-99	-99	-99	-99	23.7	4.6
CTA-AC-1 Cert	-99	-99	-99	11.4	1.08	1.13	2.65	-99	-99	-99	-99	21.8	4.4
BIR-1a Meas	0.6	1.7	0.27	1.8	0.25	0.6	-0.1	-1	-0.1	-5	-0.4	-0.1	-0.1
BIR-1a Cert	0.57	1.7	0.26	1.65	0.26	0.6	0.04	0.07	0.01	3	0.02	0.03	0.01
NCS DC86312 Meas	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	25.9	-99
NCS DC86312 Cert	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	23.6	-99
NCS DC70014 Meas	1.2	3.4	0.52	3.3	0.48	-99	0.2	197	-99	> 10000	439	-99	-99
NCS DC70014 Cert	1.3	3.5	0.57	3.3	0.5	-99	16.2	680	-99	27200	80.3	-99	-99
NCS DC70009 (GBW07241) Meas	4.4	13.1	2.4	16.4	2.31	-99	-99	2350	2.1	70	680	28.8	-99
NCS DC70009 (GBW07241) Cert	4.5	13.4	2.2	14.9	2.4	-99	-99	2200	1.8	81.2	680	28.3	-99
OREAS 100a (Fusion) Meas	4.9	14.6	2.4	15.6	2.18	-99	-99	-99	-99	-99	-99	50.9	147
OREAS 100a (Fusion) Cert	4.81	14.9	2.31	14.9	2.26	-99	-99	-99	-99	-99	-99	51.6	135
OREAS 101a (Fusion) Meas	6.5	19	2.94	18.5	2.52	-99	-99	-99	-99	71	-99	35.2	418
OREAS 101a (Fusion) Cert	6.46	19.5	2.9	17.5	2.66	-99	-99	-99	-99	19	-99	36.6	422
JR-1 Meas	1.4	4	0.69	4.7	0.69	4.6	1.8	1	1.2	20	2.7	26.5	10.1
JR-1 Cert	1.11	3.61	0.67	4.55	0.71	4.51	1.86	1.59	1.56	19.3	0.56	26.7	8.88
6840860 Orig	4.3	14.4	2.37	15.8	2.35	11.1	0.8	-1	0.1	11	-0.4	1.2	0.8
6840860 Dup	4.4	14.1	2.31	15.5	2.32	10.8	0.8	-1	0.1	10	-0.4	1.2	0.9
6840894 Orig	2.8	8.5	1.33	9.7	1.54	15.3	2.4	-1	0.5	-5	-0.4	20.2	5.4
6840894 Dup	2.8	8.4	1.31	9.4	1.52	14.3	2.3	-1	0.5	-5	-0.4	20.0	5.3
6840933 Orig	1.1	3.1	0.48	3.3	0.54	5.2	0.8	-1	0.2	-5	0.5	5.9	5.1
6840933 Dup	1.1	3.2	0.49	3.4	0.54	5.2	0.8	-1	0.2	-5	0.7	6.0	5.1
6840979 Orig	1.4	4.3	0.63	4.3	0.70	6.3	1.3	-1	0.3	-5	1.3	6.0	2.1
6840979 Dup	1.4	4.3	0.65	4.4	0.70	6.4	1.3	1	0.3	-5	1.5	6.0	2.1
6841028 Orig	1.2	3.8	0.61	4.1	0.65	6.2	1.2	1	0.5	-5	-0.4	7.0	2.6
6841028 Dup	1.2	3.7	0.58	3.9	0.64	6.1	1.2	-1	0.4	-5	-0.4	6.9	2.5
6841056 Orig	1.1	3.3	0.52	3.6	0.60	8.1	0.9	10	0.4	9	1.3	7.5	2.5
6841056 Dup	1.1	3.4	0.52	3.6	0.62	7.9	0.9	10	0.4	10	1.4	7.4	2.5