of the basal contact, there are some even more subtle variations. One such area encompasses the Linwood Lake area and much of the area within the Harris Lake 7½' Quadrangle. This area is also interesting in that the contact is believed to be steeper here than in the areas to the north (Chandler, personal communications). The presence of a minor east-west magnetic break as well as a minor northeast trending lineament (apparent on the previously discussed SVD map) cuts the area just to the north of the drill hole.

LOG OF DRILL HOLE SL-1
by B. Frey

In drilling hole SL-1, broken core and serpentinized fractures were encountered in several places. After 192' of drilling, the core barrel became stuck in the hole which required that the hole had to be cemented, moved, and redrilled. Consequently, the core from the original 192' hole is designated SL-1A (with description footages in parentheses) while the redrill is designated SL-1B (description footages not in parentheses). Below 192', all core belongs to SL-1B, but will simply be designated SL-1.

0-18' OVERBURDEN; no sample.

18'-76.1' (75.4') FINE TO MEDIUM-GRAINED, OXIDE AND BIOTITE-BEARING NORITIC TROCTOLITE AND TROCTOLITIC NORITE WITH LOCAL FINE-GRAINED HORNFELS XENOLITHS AND FINE TO COARSE-GRAINED CONTAMINATED ROCK HYBRIDS.

Fine-grained hornfels xenoliths are siliceous (bluish) with biotite, cordierite(?), minor sulfides(?), orthopyroxene and fayalitic olivine. These are located at 41.8' (39.5') to 43.0' (41.2') and 62.9' (61.4') to 64.2' (63.1').

Contaminated hybrids have similar mineralogy except for less (if any) quartz and more plagioclase (relatively sodic). These grade into the relatively uncontaminated(?) troctolites and norite and are perhaps coarser grained. These intervals include 20' to 24' and 43' (46') to 51' (52'). Locally, biotitic quartz diorites have intruded such as at (20.9') and 64.2' to 64.5'.

Remaining rocks are mostly fine-grained igneous with variable contamination.

TROCTOLITE-NORITE Mode:

10-30%	Olivine; yellow green, fayalitic.
40-60%	Plagioclase; clear-white, intermediate-sodic.
10-30%	Orthopyroxene.
5 -20%	Biotite; nontitaniferous.
2 -10%	Oxides.
0 - 5%	Hornblende; some primary(?), some replacement.
0 - 2%	Sulfide; largely pyrrhotite, minor chalcopyrite.

Unit contains a few, scattered, near vertical hairline fractures with serpentine and chlorite.

76.1' (75.4')-174.3' (171.7') MEDIUM-GRAINED, OXIDE AND BIOTITE-BEARING NORITIC TROCTOLITE; WITH LOCAL SERPENTINIZED SHEARS AND FINER AND COARSER-GRAINED INTERVALS.

Mineralogy is similar to previous unit except that oxides average slightly higher and the rock is slightly more magnetic. Coarser intervals typically have sodic and/or diseased plagioclase, uralitized pyroxene, more abundant biotite, and slightly elevated amounts of chalcopyrite. Some of these intervals are 86.5'-87.5', 90.6'-94.8', 140'-147' spottily, (84'-95' spottily), (119'-120'), and (141'-144' spottily).

Most fractures with serpentine are oriented 0-35° to core axis. Individual fractures are scattered and have less than 2 mm of serpentine, although olivines (and pyroxenes somewhat) are serpentinized within several cm of these shears. Several more intensely serpentinized intervals are centered around 1 cm thick serpentine shears at 154'-157.5' and/or deformed calcite veins to 2 cm at 161'-163' (159'-160') and/or intervals with broken core, multiple, thinner shears, especially 122'-125' (120'-122'), 127'-130' (124'-134' scattered), and 163'-173' (163'-169').

The intervals with greater serpentinization either have been somewhat more mafic to start with, or more likely, have undergone some Fe-Mg metasomatism with the shearing.

174.3'(171.7')-305.5' (SL-1A stopped at 192') FINE-GRAINED, OXIDE-BEARING BIOTITIC, NORITIC TROCTOLITE WITH ADMIXED MEDIUM-GRAINED BIOTITIC NORITE AND BIOTITIC TROCTOLITIC NORITE AND LESSER SILICEOUS HORNFELS XENOLITHS AND CONTAMINANT ROCK.

TROCTOLITE Mode (about 60-70% of unit):

40-65%	Plagioclase.
15-25%	Fayalitic olivine.
10-20%	Orthopyroxene (some clinopyroxene?).
5-20%	Biotite.
3-15%	Oxides.
Trace	Sulfides.

NORITE Mode:

50-60%	Plagioclase (more sodic(?) than in troctolite).
15-35%	Orthopyroxene.
0-15%	Fayalitic olivine.
5-25%	Biotite.
0- 2%	Oxides.
Trace	Sulfides(?).

The troctolite may be locally contaminated and siliceous. Locally it has 1-2 mm biotite xenocrysts. In general, it appears to be intruded by the coarser norite. The coarser norites may also be locally contaminated and somewhat siliceous. The norite locally forms distinct layers (70-80° to core axis) and irregular veins that intrude the troctolite. In other places the troctolite is pseudobrecciated and contains blebs of the norite. The

troctolite is somewhat magnetic. Unit also contains scattered amphibolitic to biotitic quartz diorite veins and blebs, some of which are cut by shears (reactivation of shear along which the vein originally formed?). Some contain chloritized biotite books to 6 cm, and euhedral quartz (246.7'-247').
Very siliceous (70% quartz) granitic veins occur at 272.8' (1 cm) and 274.3' to 274.8' (30 and 70° to core axis, respectively).
Serpentinized shears are generally steep, hairline, and scattered with very few between 209' and 254'. DDH SL-1A contains many intersecting serpentinized slips between (188') and (191') and this is probably the interval which caused the original hole to be abandoned. More major serpentinized-sheared intervals are 188.5'-189.2' (diorite vein w/chalcopyrite); 189.6'-189.9' and 191'-191.4'.
The upper contact is somewhat obscure but appears gradational and less fault controlled in DDH SL-1B. Basal contact is sharp and shows the fine-grained troctolite intruding the unit below. A hornfels inclusion occurs at 296.9' to 298.4'. This is biotitic, very siliceous, with much cordierite at the contacts. Smaller xenoliths also occur within 302.4' to 303.3'. Hybrid contaminant rocks occur in small intervals at 278', 288', and 302.5'. At 303.3' there is a 1-2 cm chlorite-serpentine calcite shear vein.

305.5'-576.9' VARIABLY ALTERED AND SHEARED COARSE-GRAINED BIOTITE AND OXIDE-BEARING GABBRO AND TROCTOLITE; WITH LOCAL BIOTITIC QUARTZ DIORITE INTRUSIONS, BRECCIATION, CONTAMINATED INTERVALS, AND LESSER ROCK TYPES.
Biotitization, serpentinization, chloritization, and slickensides are associated with shears. The most intense shears and directly associated alteration are 485'-492.5', 553'-555.5' and 557'-558'.

Mode: approximate unaltered GABBRO and TROCTOLITE follows:

0-40%	Hornblende-pargasite (primary? or alteration?).
40-65%	Plagioclase.
0-40%	Olivine-largely(?) fayalitic.
10-40%	Titanaugite.
2-10%	Biotite.
2-10%	Oxides.
0-10%	Orthopyroxene.
½- 1%	Sulfides.

Sulfides (chalcopyrite, pyrrhotite) are a higher % than in previous units. Core is somewhat magnetic at best.
Alteration includes diseased plagioclase and hornblende-pargasite which may be altered pyroxene (or may be primary?). Quartz diorite veins often with symplectic-graphic textures of quartz and sodic plagioclase (may be white K-feldspar), especially 422'-481'.

Unit subdivisions are as follows:

305.5'-329.8' Coarse-grained biotite-oxide-bearing, locally gabbroic troctolite with local serpentine shears and biotitic quartz diorite veins.

329.8'-336.5' Coarse-grained biotite-oxide-bearing gabbroic troctolite with plagioclase, olivine and pyroxene alteration increasing downward.

336.5'-338.2' Medium-coarse-grained contaminated quartz diorite and diorite; locally very siliceous(?).

338.2'-349.3' Coarse-grained biotite-oxide bearing troctolite.

349.3'-380.5' Idem, variably altered with local quartz diorite veins, shears and contamination.

380.5'-383.1' Glomeroporphyritic troctolite; coarser plagioclase laths (to 30%) in a fine-grained noritic troctolite to picritic(?) groundmass with minor siliceous hornfels fragments.

383.1'-418.4' Coarse-grained oxide-biotite bearing troctolitic gabbro with local alteration, brecciation, variable contamination, scattered shears, and injection by biotitic diorite and biotitic quartz diorite. Basal 8' has decreasing general alteration, brecciation, and intrusion.

418.4'-462.0' Coarse grained oxide-biotite bearing gabbroic troctolite with biotitic-amphibolitic quartz diorite intrusions, often with symplectic-graphic intergrowths. Unit contains minor hairline shears with serpentine-chlorite.

462.0'-503.9' Idem, with shears and associated alteration increasing downward, with the most intense shear and biotitization, serpentinization, and chloritization within 485'-492.5' (also contains local coarse crystalline calcite).

503.9'-521.1' Idem, but with decreasing shear and alteration.

521.1'-537.3' Glomeroporphyritic troctolite with 0-60% coarse-grained plagioclase phenocrysts and lesser titanaugite in a matrix of fine-grained oxide-biotite bearing troctolite-picrite. Base of unit intrusive, with biotite and fine-grained oxide (to 1 cm) selvage at contact. Slightly elevated sulfides.

537.3'-546.5' Fine to medium-grained with lesser coarse-grained biotitic, contaminated diorite, gabbro and norite with local shears, including chlorite-biotite-quartz-calcite veins.

546.5'-553.3' Coarse-grained to very coarse-grained biotite-oxide bearing gabbro with minor local melagabbro.

553.3'-567.6' Biotite-serpentine shears and fine-grained contaminated biotitic noritic troctolite with minor hornfels.

567.6'-576.9' Coarse to very coarse-grained altered oxide-biotite bearing gabbro with diseased plagioclase and uralitized pyroxene. Shears and fractures are usually less than 30° to core axis. Diorite-quartz diorite veins-dikes are typically 50-60° to core axis.

576.9'-871.0' VARIABLY GLOMEROPORPHYRITIC, BIOTITE-OXIDE-CLINOPYROXENE BEARING TROCTOLITE WITH LOCALLY DEVELOPED SERPENTINE AND SERPENTINE SLIP LAMINAE AND MINOR OTHER LITHOLOGIES.

Glomeroporphyritic troctolite is composed of 30-70% clots of medium to coarse-grained plagioclase with minor interstitial biotite, olivine, and sometimes clinopyroxene. These are set in a matrix of variably serpentinized fine-grained(?) oxide, olivine (Fo 64, x-ray diffraction) and lesser plagioclase. In places the serpentine takes the form of wispy, slip(?) laminae (resulting from gravity driven creep?) giving the rock an augen type texture where glomeroporphyritic plagioclase clots exist. These laminae run 35-60° to core axis.

Without thin sections, grain size of olivine is impossible to tell. Unit contains both ilmenite and magnetite (X-Ray) and is generally somewhat magnetic. Unit contains a trace-½% of disseminated chalcopyrite.

The interval 774'-809' is not glomeroporphyritic and is largely medium-grained troctolite, with brownish plagioclase (notably 786'-804.7') and coarse to very coarse-grained oxide and biotite bearing troctolitic gabbro (notably 804.7'-809').

Unit also contains scattered serpentine-chlorite shears (at 0-40° to core axis). Alteration may extend several cms into the surroundings. Shears locally contain magnetite and some cut across or may be contemporaneous with quartz diorite intrusions. More major ones are centered at 586.5', 587.7', 590', 593', 613.3'-620' (roughly parallel to core axis), 625.1', 637.8', 642.3', 653.1', 664.1', 665.3', 680', 684', 792.1', 793.7, 816.5', 831.8', 839.6', 845.6', 854.8' and 860'-866' (roughly parallel to core axis, with well developed slickensides slightly oblique to core axis.

Quartz diorite veins-dikes contain variable biotite, amphiboles, and symplectic-graphic quartz-Na plagioclase intergrowths. These intrusions comprise about 5% of unit at most. Those in the upper part of the hole are disturbed more by the shearing. They generally occur at 30-60° to core axis.

The larger plagioclase clots are essentially absent in the basal 14' but does contain fine-grained plagioclase locally in several contaminated intervals with additional biotite.

Basal contact is sharp.

871.0'-1008' TD MIXED FINE TO MEDIUM-GRAINED FAYALITIC, BIOTITIC, CONTAMINATED NORITE AND SILICEOUS HORNFELS: MEDIUM TO VERY COARSE GRAINED, VARIABLY ALTERED OXIDE-BIOTITE BEARING TROCTOLITIC GABBRO; AND BIOTITIC-AMPHIBOLITIC QUARTZ DIORITE.

The fine-grained contaminated norite and hornfels is found within 871.0'-899.0', 908.6'-911.7' (hornfels), 938'-940.5', 945.2'-948.2', 950'-1008' (with recognizable hornfels at 967.2'-967.7', 973.7'-978.1'). Rock contains up to 15% biotite, 3% oxides (slightly magnetic), 30% fayalite and orthopyroxene; with the remaining plagioclase, quartz, and

cordierite(?). Unit contains trace-½% disseminated chalcopyrite. All of this rock type is probably contaminated hornfels and not contaminated igneous melt.
The altered troctolitic gabbro is found within 899.0'-908.6', 911.7'-938', 940.5'-945.2' and 948.2'-950.0'. Alteration includes olivine to serpentine, pyroxene to actinolite-hornblende, and plagioclase to saussurite and calcite. Clinopyroxene and oxide appear to be the most resistant to alteration. Very coarse-grained portions are typically much less altered than adjacent medium to coarse-grained portions. Very coarse-grained intervals are 914.2'-915.2', 915.2'-927' scattered, 934'-937' scattered. Most intense alteration is within 899'-908.6' and 911.7'-926' which also contains a few 1 mm chlorite-quartz-carbonate veins. The altered troctolitic gabbro contains a trace to ½% chalcopyrite. The quartz diorite occurs as irregular veins and dikes with these scattered primarily in the following intervals: 871.0'-888.0', 895'-901.5' and 926'-950'. More of these veins intersect each other at angles (isolating fragments of country rock) than in the previous units. Some veins within altered gabbro are largely hornblende with minor plagioclase at the margins. Vein at 884'-884.9' is two-thirds quartz diorite with the upper third pure quartz. This unit contains relatively few thin hairline shears-fractures with serpentine-chlorite with most of these below 936'. The most pronounced one is centered at 997.4'.

The drill hole is believed to have ended relatively close to (if not in) the Virginia Formation footwall.

1008' TOTAL DEPTH

Analytical results of drill hole SL-1 follow in Table 8.

Table 8
Analytical Results of Drill Hole SL-1

Sample #	Drill Hole#	Depth	SIO2 %	AL203 %	FE203 %	FE %	MGO %	CAO %	NA20 %	NA %	K20 %	TIO2 %
CSL 19525	SL-1	24-34	41.70	11.50	23.80	18.00	4.27	9.31	1.96	1.40	0.40	4.18
CSL 19531	SL-1	39.5-63.4	46.00	22.60	16.20	12.00	7.42	1.13	0.77	0.69	1.10	1.73
CSL 19549	SL-1	74-76	38.90	11.50	26.40	19.00	4.31	9.28	1.99	1.40	0.20	4.10
CSL 19534	SL-1	84-88	43.50	11.00	21.40	15.00	4.54	9.40	2.21	1.40	0.60	4.75
CSL 19535	SL-1	116-124	44.10	12.70	18.80	12.00	4.27	9.40	2.54	1.50	0.70	4.57
CSL 19540	SL-1	152-168	39.70	11.50	22.60	17.00	5.12	9.26	2.08	1.40	0.50	4.50
CSL 19557	SL-1	184-196	40.40	12.20	22.00	17.00	4.66	9.55	2.26	1.60	0.40	4.29
CSL 19564	SL-1	200-214	40.90	13.70	22.90	18.00	5.25	8.67	2.19	1.70	0.50	4.33
CSL 19572	SL-1	246.5-247.5	39.80	11.20	20.90	17.00	4.83	8.49	1.82	1.40	1.00	3.51
CSL 19573	SL-1	264-266	41.80	11.80	24.40	19.00	3.80	10.00	2.47	1.80	0.30	3.95
CSL 19574	SL-1	272-275	47.90	15.00	16.10	12.00	3.52	6.78	3.32	2.40	1.20	2.80
CSL 19575	SL-1	282-294	44.40	13.60	21.80	16.00	3.83	8.22	2.65	1.90	0.50	3.36
CSL 19582	SL-1	294-304	44.40	15.20	20.00	16.00	4.33	7.49	2.40	1.80	0.60	3.32
CSL 19593	SL-1	304-308	45.30	16.60	16.30	11.00	5.30	9.34	2.45	1.70	0.50	2.19
CSL 19594	SL-1	331.9-337	44.00	17.50	14.80	11.00	5.37	6.13	2.49	2.00	1.60	1.16
CSL 19595	SL-1	380.1-386	45.60	16.00	17.00	13.00	7.49	5.97	2.15	1.70	0.80	1.68
CSL 19596	SL-1	404-410	50.00	14.10	14.50	11.00	4.14	6.74	2.82	2.00	1.70	2.58
CSL 19597	SL-1	484.8-492.5	43.00	15.70	13.10	10.00	5.14	12.70	2.14	1.60	0.60	1.38
CSL 19598	SL-1	533-538	42.70	10.60	24.40	18.00	10.10	6.25	1.60	1.30	0.50	2.10
CSL 19599	SL-1	546.7-550	46.10	11.80	17.50	14.00	5.96	9.61	1.98	1.50	1.00	5.17
CSL 19600	SL-1	553-558	46.80	20.20	15.00	10.00	6.56	2.14	1.91	1.40	2.60	1.41
CSL 19601	SL-1	571-577.1	42.70	10.40	20.20	13.00	6.25	9.40	1.66	1.20	0.80	5.70
CSL 19602	SL-1	577.1-582.2	43.40	11.90	20.20	16.00	13.80	5.82	1.71	1.50	0.60	1.15
CSL 19606	SL-1	622-628	42.00	11.30	19.40	16.00	13.80	5.86	1.54	1.40	0.56	1.08
CSL 19607	SL-1	679-685.5	41.90	11.80	18.70	15.00	13.80	5.98	1.50	1.30	0.40	0.91
CSL 19608	SL-1	734-740	39.90	6.10	25.30	20.00	21.40	3.40	0.97	1.00	0.40	0.70
CSL 19609	SL-1	789-795	46.80	16.00	14.90	11.00	10.30	7.40	2.33	1.80	0.90	0.79
CSL 19610	SL-1	812-818	48.30	11.70	17.20	13.00	12.50	4.88	2.27	1.80	1.20	0.95
CSL 19611	SL-1	860-866	44.50	7.21	18.80	15.00	17.80	2.36	1.27	1.20	1.60	0.39
CSL 19612	SL-1	867.7-874	45.90	13.10	15.80	12.00	14.20	5.82	1.83	1.60	0.80	0.39
CSL 19613	SL-1	904-910	48.40	19.80	12.60	9.20	6.66	7.78	2.49	1.90	0.70	1.21
CSL 19614	SL-1	914-920	45.40	15.40	14.90	12.00	9.61	8.10	2.08	1.70	0.90	1.42
CSL 19615	SL-1	930-936	47.20	17.70	12.00	10.00	7.30	7.84	2.54	1.90	1.20	0.77
CSL 19616	SL-1	994-1000	47.70	18.70	12.00	9.00	8.32	8.98	2.63	2.10	0.40	0.68

* denotes the figure is less than the detection limit

Table 8
Analytical Results of Drill Hole SL-1

Sample #	Drill Hole#	Depth	P2O5 %	MNO %	CO2 %	LOI %	S %	CL PPM	TA PPM	CU PPM	NI PPM	CR PPM
CSL 19525	SL-1	24-34	1.83	0.38	0.11	0.01*	0.38	50*	3*	213	50*	71
CSL 19531	SL-1	39.5-63.4	0.23	0.10	0.15	1.50	0.96	50*	3*	192	230	530
CSL 19549	SL-1	74-76	1.93	0.34	0.05	0.01*	0.45	50*	18	246	70	120
CSL 19534	SL-1	84-88	1.06	0.27	0.09	0.80	0.14	60	14	241	50*	65
CSL 19535	SL-1	116-124	1.06	0.23	0.11	0.30	0.12	50*	4	238	50	50*
CSL 19540	SL-1	152-168	2.00	0.26	0.11	2.30	0.26	50*	13	189	50*	77
CSL 19557	SL-1	184-196	1.76	0.27	1.28	1.60	0.28	50*	7	199	50*	80
CSL 19564	SL-1	200-214	2.14	0.26	0.11	0.01*	0.29	60	6	192	76	76
CSL 19572	SL-1	246.5-247.5	0.84	0.22	4.14	5.70	0.09	70	8	111	52	89
CSL 19573	SL-1	264-266	1.69	0.32	0.07	0.01*	0.23	50*	16	195	56	56
CSL 19574	SL-1	272-275	1.33	0.20	0.35	0.50	0.10	50*	3*	156	50*	54
CSL 19575	SL-1	282-294	1.50	0.28	0.18	0.01*	0.25	50*	5	168	70	89
CSL 19582	SL-1	294-304	1.33	0.24	0.17	0.60	0.31	50*	8	182	77	130
CSL 19593	SL-1	304-308	0.70	0.20	0.09	0.90	0.08	50*	3*	178	83	130
CSL 19594	SL-1	331.9-337	0.28	0.14	1.39	4.70	0.03	60	3*	61	180	120
CSL 19595	SL-1	380.1-386	0.30	0.18	0.09	0.90	0.18	50*	3*	241	240	160
CSL 19596	SL-1	404-410	0.93	0.18	0.15	2.00	0.05	70	9	273	70	62
CSL 19597	SL-1	484.8-492.5	0.35	0.14	1.75	5.90	0.05	60	3*	172	170	50*
CSL 19598	SL-1	533-538	0.50	0.28	0.09	0.20	0.17	50*	8	581	360	70
CSL 19599	SL-1	546.7-550	0.44	0.23	0.18	0.70	0.12	50*	10	517	70	60
CSL 19600	SL-1	553-558	0.24	0.09	0.10	3.10	0.69	60	10	362	210	410
CSL 19601	SL-1	571-577.1	0.48	0.28	0.40	1.10	0.10	60	9	461	86	92
CSL 19602	SL-1	577.1-582.2	0.40	0.23	0.02	0.01*	0.05	50*	16	156	610	110
CSL 19606	SL-1	622-628	0.36	0.23	0.11	2.50	0.03	50*	6	129	620	89
CSL 19607	SL-1	679-685.5	0.36	0.20	0.09	4.20	0.04	50*	13	129	550	120
CSL 19608	SL-1	734-740	0.28	0.28	0.08	1.80	0.02	220	5	107	1000	140
CSL 19609	SL-1	789-795	0.29	0.17	0.05	0.30	0.03	60	3*	134	470	83
CSL 19610	SL-1	812-818	0.45	0.19	0.07	0.80	0.04	70	5	111	590	100
CSL 19611	SL-1	860-866	0.29	0.22	0.20	4.10	0.02	110	3*	55	750	91
CSL 19612	SL-1	867.7-874	0.22	0.16	0.29	1.50	0.02	150	3	70	640	93
CSL 19613	SL-1	904-910	0.46	0.15	0.09	1.10	0.15	60	3*	111	220	150
CSL 19614	SL-1	914-920	0.34	0.18	0.08	0.90	0.03	50*	3*	138	410	110
CSL 19615	SL-1	930-936	0.35	0.16	0.05	2.60	0.01	70	3*	82	300	81
CSL 19616	SL-1	994-1000	0.32	0.16	0.01	0.40	0.01	50*	8	94	300	120

* denotes the figure is less than the detection limit

Table 8
Analytical Results of Drill Hole SL-1

Sample #	Drill Hole#	Depth	CO PPM	V PPM	ZN PPM	PB PPM	MO PPM	PT PPB	PD PPB	IR PPB	AU PPB	AS PPM
CSL 19525	SL-1	24-34	59	271	260	5*	2*	15*	2*	100*	5*	5*
CSL 19531	SL-1	39.5-63.4	77	446	310	8	7	15*	2	100*	6	5*
CSL 19549	SL-1	74-76	61	201	280	5*	2*	15*	2	100*	5*	5*
CSL 19534	SL-1	84-88	63	337	210	7	2*	15*	4	100*	5*	5*
CSL 19535	SL-1	116-124	45	368	200*	9	2*	15*	2*	100*	5*	5*
CSL 19540	SL-1	152-168	69	610	240	5*	2*	15*	2	100*	5*	5*
CSL 19557	SL-1	184-196	70	321	220	5	2*	15*	2	100*	5*	8
CSL 19564	SL-1	200-214	61	312	200*	5*	2*	15*	2*	100*	5*	6
CSL 19572	SL-1	246.5-247.5	63	262	250	7	2*	15*	2	100*	5*	5*
CSL 19573	SL-1	264-266	49	235	280	7	2*	15*	2	100*	5*	5*
CSL 19574	SL-1	272-275	37	209	200*	9	2*	15*	2*	100*	5*	5*
CSL 19575	SL-1	282-294	58	228	330	6	2*	15*	2*	100*	5*	5*
CSL 19582	SL-1	294-304	60	244	280	11	2*	15*	2*	100*	5*	5*
CSL 19593	SL-1	304-308	64	204	200*	5*	2*	15*	2*	100*	5*	5*
CSL 19594	SL-1	331.9-337	60	183	200*	12	2*	15*	2*	100*	5*	5*
CSL 19595	SL-1	380.1-386	81	196	200*	8	2*	15*	2	100*	5*	5*
CSL 19596	SL-1	404-410	54	250	230	11	2*	15*	2	100*	9	5*
CSL 19597	SL-1	484.8-492.5	60	159	200*	6	2*	15*	2	100*	5	5*
CSL 19598	SL-1	533-538	120	162	270	8	2*	25	2	100*	5*	5*
CSL 19599	SL-1	546.7-550	73	455	260	7	2*	15*	2	100*	7	11
CSL 19600	SL-1	553-558	59	371	250	12	6	15*	2	100*	5*	5*
CSL 19601	SL-1	571-577.1	73	448	200*	6	2*	15*	2*	100*	5*	5*
CSL 19602	SL-1	577.1-582.2	140	116	220	7	2*	15*	2	100*	5*	5*
CSL 19606	SL-1	622-628	150	117	200*	5	2*	15*	2*	100*	5*	5*
CSL 19607	SL-1	679-685.5	130	97	200*	5*	2*	15*	2	100*	8	5*
CSL 19608	SL-1	734-740	210	80	200*	6	2*	15*	2	100*	5*	5*
CSL 19609	SL-1	789-795	100	83	200*	7	2*	15*	2	100*	5*	5*
CSL 19610	SL-1	812-818	120	92	200*	9	2*	15*	2*	100*	5*	5*
CSL 19611	SL-1	860-866	160	47	200*	12	2*	15*	2*	100*	12	5*
CSL 19612	SL-1	867.7-874	130	52	200*	15	2*	15*	2*	100*	5*	5*
CSL 19613	SL-1	904-910	57	145	200*	10	2*	15*	4	100*	6	5*
CSL 19614	SL-1	914-920	92	159	200*	13	2*	15*	2*	100*	5*	5*
CSL 19615	SL-1	930-936	78	83	200*	15	2*	15*	2*	100*	5*	5*
CSL 19616	SL-1	994-1000	79	88	200*	5	2*	15*	4	100*	5*	5*

* denotes the figure is less than the detection limit

Table 8
Analytical Results of Drill Hole SL-1

Sample #	Drill Hole#	Depth	RB PPM	CS PPM	SR PPM	BA PPM	SC PPM	Y PPM	LA PPM	ZR PPM	HF PPM	NB PPM
CSL 19525	SL-1	24-34	12	2	190	130	60.60	41	37	125	3	28
CSL 19531	SL-1	39.5-63.4	65	7	61	130	50.10	5*	10	130	3	17
CSL 19549	SL-1	74-76	5*	1*	210	90	47.00	44	31	69	2*	17
CSL 19534	SL-1	84-88	7	1*	185	170	55.20	30	19	160	4	26
CSL 19535	SL-1	116-124	17	1	200	220	41.00	31	28	215	7	19
CSL 19540	SL-1	152-168	7	2	175	160	43.00	36	33	150	5	9
CSL 19557	SL-1	184-196	13	3	180	160	52.50	38	35	150	7	26
CSL 19564	SL-1	200-214	24	4	210	180	31.00	44	37	115	3	18
CSL 19572	SL-1	246.5-247.5	46	8	115	130	44.00	36	34	105	2*	22
CSL 19573	SL-1	264-266	5*	2	225	240	55.40	68	54	400	17	35
CSL 19574	SL-1	272-275	52	7	205	390	37.00	46	48	155	4	23
CSL 19575	SL-1	282-294	26	3	215	330	48.00	67	56	370	13	34
CSL 19582	SL-1	294-304	25	7	210	270	50.00	50	48	355	11	30
CSL 19593	SL-1	304-308	17	4	215	140	28.00	11	21	175	5	19
CSL 19594	SL-1	331.9-337	54	2	235	190	15.00	5*	12	78	2	5*
CSL 19595	SL-1	380.1-386	25	5	210	120	28.00	5*	11	93	2*	12
CSL 19596	SL-1	404-410	74	7	220	330	33.00	23	26	115	5	14
CSL 19597	SL-1	484.8-492.5	10	1	160	60	19.00	5*	13	100	3	8
CSL 19598	SL-1	533-538	9	4	160	40	30.00	5*	10	87	2*	7
CSL 19599	SL-1	546.7-550	24	2	245	170	62.70	7	12	115	5	18
CSL 19600	SL-1	553-558	100	13	145	400	41.00	5*	18	195	4	19
CSL 19601	SL-1	571-577.1	24	2	205	160	56.10	9	11	125	7	19
CSL 19602	SL-1	577.1-582.2	18	3	155	60	18.00	5*	10	95	2	8
CSL 19606	SL-1	622-628	5*	5	125	20	18.00	5*	9	100	3	8
CSL 19607	SL-1	679-685.5	5*	3	140	30	15.00	5*	9	91	2*	7
CSL 19608	SL-1	734-740	5*	1	67	20*	16.00	5*	5	76	2*	5*
CSL 19609	SL-1	789-795	23	4	195	110	13.00	5*	9	84	2*	5*
CSL 19610	SL-1	812-818	54	4	150	150	16.00	5*	15	395	13	9
CSL 19611	SL-1	860-866	55	11	46	60	10.00	5*	12	82	2*	5*
CSL 19612	SL-1	867.7-874	38	4	135	30	11.00	5*	10	70	3	5*
CSL 19613	SL-1	904-910	26	4	235	90	22.00	5*	18	110	5	12
CSL 19614	SL-1	914-920	31	3	210	60	21.00	5*	12	105	3	14
CSL 19615	SL-1	930-936	37	4	215	140	12.00	5*	15	83	3	7
CSL 19616	SL-1	994-1000	16	1	200	40	12.00	5*	7	72	2*	12

* denotes the figure is less than the detection limit

Table 8
Analytical Results of Drill Hole SL-1

Sample #	Drill Hole#	Depth	TA PPM	W PPM	SN PPM	AS PPM	SB PPM	BI PPM	SE PPM	TE PPM	BR PPM	CE PPM
CSL 19525	SL-1	24-34	2	2*	11	1*	0.20*	2*	10*	19	5*	110
CSL 19531	SL-1	39.5-63.4	2	2*	10*	13	0.20*	2*	10*	10*	5*	10*
CSL 19549	SL-1	74-76	3	2*	16	1*	0.20*	2*	10*	10*	5*	93
CSL 19534	SL-1	84-88	3	2*	16	1*	0.20*	2*	10*	10*	5*	43
CSL 19535	SL-1	116-124	2	2	10*	1*	0.20	2*	10*	10*	5*	77
CSL 19540	SL-1	152-168	2	2*	10*	1*	0.20	2*	10*	10*	5*	120
CSL 19557	SL-1	184-196	2	2*	10*	1*	0.20*	2*	10*	10*	5*	120
CSL 19564	SL-1	200-214	2	2*	19	2	0.60	2*	10*	10*	5*	110
CSL 19572	SL-1	246.5-247.5	2	2	10*	6	0.80	2*	10*	10*	5*	98
CSL 19573	SL-1	264-266	4	2*	10*	1*	0.20*	2*	10*	10*	5*	140
CSL 19574	SL-1	272-275	2	2*	10*	1*	1.10	2*	10*	10*	5*	150
CSL 19575	SL-1	282-294	3	2*	11	1*	0.20	2*	10*	10*	5*	180
CSL 19582	SL-1	294-304	2	2*	10*	2	0.60	2*	10*	10*	5*	140
CSL 19593	SL-1	304-308	1*	2*	10*	2	0.30	2*	10*	10*	5*	66
CSL 19594	SL-1	331.9-337	1*	2*	10*	14	0.90	2*	10*	10*	5*	25
CSL 19595	SL-1	380.1-386	1*	2*	10*	3	0.40	2*	10*	10*	5*	17
CSL 19596	SL-1	404-410	2	2*	10*	2	1.20	2*	10*	10*	5*	84
CSL 19597	SL-1	484.8-492.5	1*	2*	10*	6	3.80	2*	10*	10*	5*	34
CSL 19598	SL-1	533-538	1	2*	18	2	0.50	2*	10*	10*	5*	18
CSL 19599	SL-1	546.7-550	2	2*	10*	6	1.80	2*	10*	10*	5*	38
CSL 19600	SL-1	553-558	1*	2*	10*	6	0.30	2*	10*	10*	5*	36
CSL 19601	SL-1	571-577.1	2	2*	10*	3	2.10	2*	10*	10*	5*	35
CSL 19602	SL-1	577.1-582.2	1*	2*	10*	1*	0.40	5	10*	10*	5*	17
CSL 19606	SL-1	622-628	1*	2*	10*	1*	0.20*	2*	10*	19	5*	10*
CSL 19607	SL-1	679-685.5	1*	2*	10*	1*	0.20*	2*	10*	10*	5*	19
CSL 19608	SL-1	734-740	1*	2*	10*	1*	0.20*	2*	10*	10*	5*	12
CSL 19609	SL-1	789-795	1*	2*	10*	5	0.50	9	10*	10*	5*	10*
CSL 19610	SL-1	812-818	1*	2*	10*	2	1.20	2*	10*	10*	5*	35
CSL 19611	SL-1	860-866	1*	2*	10*	72	7.20	3	10*	10*	5*	29
CSL 19612	SL-1	867.7-874	1*	2*	10*	18	2.30	2*	10*	10*	5*	21
CSL 19613	SL-1	904-910	1*	2*	10*	26	2.90	2*	10*	10*	5*	33
CSL 19614	SL-1	914-920	1*	2*	10*	34	2.40	2*	10*	10*	5*	25
CSL 19615	SL-1	930-936	1*	2*	10*	54	3.10	2*	10*	10*	5*	23
CSL 19616	SL-1	994-1000	1*	2*	10*	1*	0.40	2*	10*	10*	5*	12

* denotes the figure is less than the detection limit

Table 8
Analytical Results of Drill Hole SL-1

Sample #	Drill Hole#	Depth	ND PPM	SM PPM	EU PPM	YB PPM	LU PPM	TH PPM	U PPM	CD PPM	TB PPM	BE PPM
CSL 19525	SL-1	24-34		16.00	3	5*	0.70	1.40	0.80	10*	2	
CSL 19531	SL-1	39.5-63.4		2.60	2*	5*	0.50*	3.10	0.80	10*	1*	
CSL 19549	SL-1	74-76		14.00	2*	5	0.60	0.70	0.60	10*	2	
CSL 19534	SL-1	84-88		10.00	2	5*	0.50*	1.90	0.90	10*	2	
CSL 19535	SL-1	116-124		12.00	2*	5*	0.50*	2.00	1.20	10*	2	
CSL 19540	SL-1	152-160		14.00	3	5*	0.60	1.90	0.70	10*	2	
CSL 19557	SL-1	184-196		15.00	3	6	0.50*	3.40	0.90	10*	3	
CSL 19564	SL-1	200-214		15.00	3	6	0.80	2.20	0.80	10*	3	
CSL 19572	SL-1	246.5-247.5		12.00	2*	6	0.80	8.20	2.20	10*	3	
CSL 19573	SL-1	264-266		23.00	2*	9	1.20	1.30	0.70	10*	3	
CSL 19574	SL-1	272-275		16.00	2*	6	0.80	7.40	3.50	10*	2	
CSL 19575	SL-1	282-294		20.00	2	5	1.00	2.30	0.90	10*	4	
CSL 19582	SL-1	294-304		17.00	4	5	0.90	1.80	1.10	10*	3	
CSL 19593	SL-1	304-308		7.60	2*	5*	0.50*	1.40	0.50*	10*	1*	
CSL 19594	SL-1	331.9-337		2.90	2*	5*	0.50*	2.60	1.40	10*	1*	
CSL 19595	SL-1	380.1-386		2.60	2*	5*	0.50*	1.20	0.60	10*	1*	
CSL 19596	SL-1	404-410		9.20	2*	5*	0.50*	4.60	2.40	10*	2	
CSL 19597	SL-1	484.8-492.5		4.00	2*	5*	0.50*	1.60	0.50*	10*	1*	
CSL 19598	SL-1	533-538		4.00	2*	5*	0.50*	0.60	0.60	10*	1*	
CSL 19599	SL-1	546.7-550		5.20	2*	5*	0.50*	2.00	0.50*	10*	1	
CSL 19600	SL-1	553-558		2.70	2*	5*	0.50*	3.90	0.90	10*	1*	
CSL 19601	SL-1	571-577.1		5.60	2*	5*	0.50*	2.30	0.90	10*	1*	
CSL 19602	SL-1	577.1-582.2		3.20	2*	5*	0.50*	1.40	0.50*	10*	1*	
CSL 19606	SL-1	622-628		3.10	2*	5*	0.50*	1.20	0.50*	10*	1*	
CSL 19607	SL-1	679-685.5		2.50	2*	5*	0.50*	0.70	0.50*	10*	1*	
CSL 19608	SL-1	734-740		2.30	2*	5*	0.50*	0.50	0.50*	10*	1*	
CSL 19609	SL-1	789-795		2.60	2*	5*	0.50*	1.80	0.50	10*	1*	
CSL 19610	SL-1	812-818		3.60	2*	5*	0.50*	4.50	2.10	10*	1*	
CSL 19611	SL-1	860-866		2.90	2*	5*	0.50*	5.90	2.50	10*	1*	
CSL 19612	SL-1	867.7-874		2.20	2*	5*	0.50*	4.10	1.70	10*	1*	
CSL 19613	SL-1	904-910		4.50	2*	5*	0.50*	2.10	0.80	10*	1*	
CSL 19614	SL-1	914-920		4.10	2*	5*	0.50*	1.50	0.50*	10*	1*	
CSL 19615	SL-1	930-936		3.40	2*	5*	0.50*	4.10	1.30	10*	1*	
CSL 19616	SL-1	994-1000		2.00	2*	5*	0.50*	1.50	0.60	10*	1*	

* denotes the figure is less than the detection limit

Table 8
Analytical Results of Drill Hole SL-1

Sample #	Drill Hole#	Depth	B PPM	BE PPM	F PPM
CSL 19525	SL-1	24-34			1250
CSL 19531	SL-1	39.5-63.4			260
CSL 19549	SL-1	74-76			1250
CSL 19534	SL-1	84-88			520
CSL 19535	SL-1	116-124			840
CSL 19540	SL-1	152-168			1300
CSL 19557	SL-1	184-196			1100
CSL 19564	SL-1	200-214			1250
CSL 19572	SL-1	246.5-247.5			600
CSL 19573	SL-1	264-266			1050
CSL 19574	SL-1	272-275			840
CSL 19575	SL-1	282-294			900
CSL 19582	SL-1	294-304			680
CSL 19593	SL-1	304-308			430
CSL 19594	SL-1	331.9-337			230
CSL 19595	SL-1	380.1-386			230
CSL 19596	SL-1	404-410			840
CSL 19597	SL-1	484.8-492.5			360
CSL 19598	SL-1	533-538			270
CSL 19599	SL-1	546.7-550			300
CSL 19600	SL-1	553-558			800
CSL 19601	SL-1	571-577.1			210
CSL 19602	SL-1	577.1-582.2			180
CSL 19606	SL-1	622-628			160
CSL 19607	SL-1	679-685.5			125
CSL 19608	SL-1	734-740			95
CSL 19609	SL-1	789-795			230
CSL 19610	SL-1	812-818			270
CSL 19611	SL-1	860-866			360
CSL 19612	SL-1	867.7-874			200
CSL 19613	SL-1	904-910			280
CSL 19614	SL-1	914-920			310
CSL 19615	SL-1	930-936			280
CSL 19616	SL-1	994-1000			160

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