

SUMMARY LOG OF DRILL HOLE SE-2
by E. Dahlberg

Note: Overburden was drilled and sampled in 1985. When core drilling was started in March 1986, hole was found to be blocked, so that hole had to be cemented, moved slightly and redrilled.

0'-99'	Overburden; 11 samples were collected to 115'.
99'-189.7'	Fine-grained spotted magnetite and olivine-bearing anorthosite grading into troctolitic anorthosite with magnetite aggregates or oikocrysts, grading locally up to 30% forming stringers. Plagioclase xenocrysts are dispersed. Intercalation of coarse-grained to pegmatoidal gabbroic and anorthositic patches with traces of chalcopyrite.
189.7'-241.5'	Fine-grained to medium-grained oxide-bearing olivine gabbro and troctolite with pegmatoidal and picritic intercalations.
241.5'-270'	Fine-grained spotted magnetite-bearing troctolite and olivine-bearing gabbro with anorthositic patches and pegmatoidal gabbroic intercalations with traces of chalcopyrite and bornite.
270'-328'	Fine-grained olivine-bearing gabbro with magnetite oikocrysts and pegmatoidal intercalations of gabbroic and anorthositic compositions. Lower 10' mainly pegmatoidal gabbro to anorthosite with fine-grained oxide-rich gabbro and troctolitic anorthosite intercalations.
328'-391.3'	Layered(?) fine-grained to medium-grained gabbro, troctolite and anorthosite with pyroxenite lenses. Zones with traces of chalcopyrite, pyrrhotite and pyrite and sections with alteration of Fe-Mg silicates and hematite staining.
391.3'-422'	Coarse-grained to pegmatoidal gabbro and anorthosite with picritic portions and traces of chalcopyrite, pyrrhotite and bornite.
422'-471'	Alternating medium-grained anorthosite, locally with picritic portions, gabbro to melagabbro, olivine-bearing gabbro and olivine gabbro. Intercalations of pegmatoidal anorthosite.
471'-554'	Medium-grained anorthosite and olivine gabbro with coarse-grained to pegmatoidal anorthosite intercalations shot(?) with partly serpentized picrite. Locally traces of chalcopyrite, pyrrhotite and pyrite.
554'	Total Depth

Analytical results of drill hole SE-2 follow in Table 9.

Table 9
Analytical Results of Drill Hole SE-2

Sample #	Drill Hole#	Depth	B PPM	SE PPM	P PPM
CSL 17686	SE-2	120-125	10*	10	
CSL 17700	SE-2	169.7-170.3	10*	10*	
CSL 17687	SE-2	201-206	10*	10	
CSL 17688	SE-2	210-227	10*	10*	
CSL 17692	SE-2	327-332	10*	10*	
CSL 17693	SE-2	391.3-396.3	10*	10*	
CSL 17696	SE-2	460-470	10*	10*	
CSL 17697	SE-2	509.7-513.6	10*	10*	

* denotes the figure is less than the detection limit

Table 9
Analytical Results of Drill Hole SE-2

Sample #	Drill Hole#	Depth	NO PPM	SM PPM	EU PPM	YB PPM	LU PPM	TH PPM	U PPM	CD PPM	TB PPM	BE PPM
CSL 17686	SE-2	120-125	10*	0.80	0.80	0.50	0.20*	0.50*	0.50*			3
CSL 17700	SE-2	169.7-170.3	10*	0.80	0.70	0.50	0.20*	0.50*	0.50*			4
CSL 17687	SE-2	201-206	10*	1.00	0.60	0.60	0.20*	0.50*	0.50*			4
CSL 17688	SE-2	218-227	10*	0.90	0.70	0.60	0.20*	0.50*	0.50*			5
CSL 17692	SE-2	327-332	10*	1.00	0.70	0.90	0.20*	0.50*	0.50*			4
CSL 17693	SE-2	391.3-396.3	10	3.70	1.80	1.60	0.30	1.50	0.50*			4
CSL 17696	SE-2	460-470	10*	0.60	0.90	0.50	0.20*	0.50*	0.60			3
CSL 17697	SE-2	509.7-513.6	10*	1.30	0.80	0.70	0.20*	0.50*	0.50*			3

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Table 9
Analytical Results of Drill Hole SE-2

Sample #	Drill Hole#	Depth	TA PPM	N PPM	SN PPM	AS PPM	SB PPM	BI PPM	SE PPM	TE PPM	BR PPM	CE PPM
CSL 17686	SE-2	120-125	1*	2*	10*	1*	0.20*	2*	10*	10*	5*	5*
CSL 17700	SE-2	169.7-170.3	1*	2*	10*	1*	0.20*	2*	10*	10*	5*	5*
CSL 17687	SE-2	201-206	1*	2*	10*	1*	0.20*	2*	10*	10*	5*	5*
CSL 17688	SE-2	218-227	1*	2*	10*	1*	0.20*	2*	10*	10*	5*	7
CSL 17692	SE-2	327-332	1*	2*	10*	1*	0.20*	2*	10*	10*	5*	6
CSL 17693	SE-2	391.3-396.3	1*	2*	10*	1	0.20*	2*	10*	10*	5*	27
CSL 17696	SE-2	468-478	1*	2*	10*	1*	0.20*	2*	10*	10*	5*	6
CSL 17697	SE-2	509.7-513.6	1*	2*	10*	1*	0.20*	2*	10*	10*	5*	10

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Table 9
Analytical Results of Drill Hole SE-2

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 17686	SE-2	120-125	6	2*	270	90	16.40	6	5*	34	2*	2
CSL 17700	SE-2	169.7-170.3	6	2*	200	80	22.20	6	5*	34	2*	4
CSL 17687	SE-2	201-206	4	2*	190	60	41.60	6	5*	32	2*	2
CSL 17688	SE-2	218-227	8	2*	190	50	25.70	4	5*	38	2*	4
CSL 17692	SE-2	327-332	6	2*	210	50	31.80	4	5*	32	2*	2
CSL 17693	SE-2	391.3-396.3	12	2*	160	70	12.20	8	15	40	3	2
CSL 17696	SE-2	460-470	6	2*	220	80	15.60	2	5*	34	2*	2
CSL 17697	SE-2	509.7-513.6	12	2*	280	100	8.90	10	5	60	2*	4

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Table 9
Analytical Results of Drill Hole SE-2

Sample #	Drill Hole#	Depth	CO PPM	V PPM	ZN PPM	PB PPM	MO PPM	PT PPB	PD PPB	IR PPB	AU PPB	AG PPM
CSL 17686	SE-2	120-125	30	210	200*	8	2*	10*	4	100*	5*	5*
CSL 17700	SE-2	169.7-170.3	50	240	200	5*	2*	40	17	100*	12	5*
CSL 17687	SE-2	201-206	50	440	200	7	2*	10	15	100*	5*	5*
CSL 17688	SE-2	210-227	80	300	200*	7	2*	10*	10	100*	5*	5*
CSL 17692	SE-2	327-332	50	460	200	7	2*	10	8	100*	5	5*
CSL 17693	SE-2	391.3-396.3	30	210	200*	10	2*	10*	6	100*	5*	5*
CSL 17696	SE-2	460-470	60	120	200*	5*	2*	10	7	100*	5*	5*
CSL 17697	SE-2	509.7-513.6	30	93	200*	5*	2*	10	4	100*	5*	5*

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Table 9
Analytical Results of Drill Hole SE-2

Sample #	Drill Hole#	Depth	P2O5 %	MNO %	CO2 %	LOI %	S %	CL PPM	F PPM	CU PPM	NI PPM	CR PPM
CSL 17686	SE-2	120-125	0.03	0.08	0.16	0.16	NIL	50*	30	270	170*	230
CSL 17700	SE-2	169.7-170.3	0.04	0.16	0.11	0.00	0.24	50*	10	2800	140*	270
CSL 17687	SE-2	201-206	0.02	0.16	0.15	0.00	NIL	50*	50	180	160*	360
CSL 17688	SE-2	210-227	0.04	0.22	0.13	0.38*	NIL	50*	40	130	150*	290
CSL 17692	SE-2	327-332	0.03	0.15	0.18	0.00	NIL	50*	50	100	120*	280
CSL 17693	SE-2	391.3-396.3	0.04	0.21	0.04	1.00	NIL	300	60	160	140*	180
CSL 17696	SE-2	460-470	0.03	0.15	0.01*	0.00	NIL	50*	40	120	140*	280
CSL 17697	SE-2	509.7-513.6	0.06	0.09	0.05	0.23	NIL	50*	50	120	150*	100

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Table 9
Analytical Results of Drill Hole SE-2

Sample #	Drill Hole#	Depth	SiO2 %	Al2O3 %	Fe2O3 %	Fe %	MgO %	CaO %	Na2O %	NR %	K2O %	TiO2 %
CSL 17686	SE-2	120-125	47.20	23.10	8.44	6.20	3.46	11.90	2.93	2.40	0.32	1.39
CSL 17700	SE-2	169.7-170.3	44.80	16.90	14.30	8.60	8.60	9.99	2.07	1.50	0.22	1.43
CSL 17687	SE-2	201-206	47.50	15.40	12.30	7.60	7.96	12.30	2.22	1.50	0.17	1.16
CSL 17688	SE-2	218-227	45.40	14.00	17.20	11.10	11.60	9.02	1.94	1.50	0.17	0.96
CSL 17692	SE-2	327-332	45.40	16.30	13.90	9.00	6.70	12.30	2.12	1.60	0.18	1.74
CSL 17693	SE-2	391.3-396.3	45.40	13.00	15.70	6.20	12.20	9.32	1.63	1.90	0.30	0.80
CSL 17696	SE-2	460-470	46.70	18.40	11.90	7.40	9.22	10.10	2.33	1.70	0.19	0.46
CSL 17697	SE-2	509.7-513.6	49.40	23.40	7.09	4.40	4.33	11.30	3.11	2.10	0.35	0.61

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