DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY:	Separation Rapids	**LOCATION:** SE Pit Wall	**CLAIM #:** 1178349	**DOWNHOLE SURVEY:** Acid		**DRILLING COMPANY:**	Bradley Bros. Ltd.
HOLE NO.:	SR01-58	**LENGTH:** 200m	**CORE SIZE:** NQ3	DEPTH DIP AZM	DEPTH DIP AZM	**REMARKS:**	Core Storage: On site
PROJECT NO:	518	**NORTHING:** 1+35S	**EASTING:** 3+00W	101m 49° -			
ELEVATION:	334m	**UTM Northing:** 5568972	**UTM Easting:** 388579	200m 44° -		**CASING:**	3 metres - left in hole
COLLAR ORIENTATION (AZIMUTH / DIP)		**PLANNED:** 160°/-55°	**SURVEYED:** No			**LOGGED BY:** J.A. Morgan	**LOGGED:** April 30/2001
HOLE STARTED:	26/04/01	**FINISHED:** 29/04/01	**MAG DECLIN.:** 2°18' E				**SHEET** 1 **OF** 13

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
0.00	1.86	**OVERBURDEN** Clay and boulders.	Ob										
1.86	29.90	**AMPHIBOLITE** Black, well-foliated, generally fine grained. Non-magnetic. Relatively homogeneous. Occassional quartz +/- epidote veins along the foliation, typically <1cm wide. Local S and Z drag folds. Pillow selvedges from 22.5 - 25.7. Local holmquistite, particularly at 14.5 - 16.0. Biotite/glimmerite exocontacts associated with most of the pegmatite dykelets in this unit. Thin, wispy, anastamosing carbonate veinlets locally abundant from 26.5 - 29.9. There is one dominant joint/fracture set throughout, generally at steep angles to the foliation (see RQD logs). Foliation: 4.2m - 25° c.a. 10.0m - 29° c.a. 13.0m - 21° c.a. 16.0m - 29° c.a. 22.5m - 33° c.a. 27.0m - 37° c.a. 29.85m - 50° c.a.	1										
		7.57 - 7.65: ALBITITIE DYKELET Grey-white albite +/- quartz with minor biotite stringers and inclusions. Biotite/glimmerite exocontacts <1cm thick. Sharp contacts at 25-30° c.a.	3a										

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-58

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
		11.14 - 11.39: ALBITITE DYKELET Small dykelet, as previous. Thin biotite stringers sub-parallel to contacts. Contacts are sharp and parallel to host rock foliation, upper at 30° c.a. and lower at 33° c.a.	3a										
		13.80 - 14.00: ALBITITE DYKELET As previous. Sharp contacts parallel to host rock foliation. Upper contact 21° c.a., lower contact 26° c.a.	3a										
		25.85 - 26.53: ALBITITE DYKE Upper portion of this dyke, from 25.95 - 26.25, is composed of saccharoidal white albite with common light blue apatite grains, 2-3mm average, and abundant thin, black, needle-shaped mineral grains 1-2mm long. Grains are likely tourmaline, but possibly Ta oxides. Remainder of the dykelet is grey-white and more silicic, and is devoid of apatite. Contains rare black, needle-like grains. Glimmerite exocontacts <1cm wide. Sharp contacts parallel to host rock foliation, upper at 33° c.a. and lower at 43° c.a.	3a	28801	25.85	26.53	0.68	0.070	0.027	0.070	0.129	0.009	0.045
		28.51 - 28.64: ALBITITE DYKELET Banded, white aplitic albite with minor grey quartz/silica. Minor silvery-green mica and orange-pink, poorly preserved garnet. Glimmerite exocontacts. Sharp contacts, both at 42° c.a.	3a										

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-58

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	FROM	TO	LENGTH	ASSAYS Li_2O%	Ta_2O_5%	Cs_2O%	Rb_2O%	Nb_2O_5%	SnO_2%
29.90	32.75	**LEPIDOLITE PETALITE ALBITE PEGMATITE** Fine grained lavender lepidolite in albitic + quartz groundmass. Pink to white petalite throughout, often as stretched and augen shaped crystals. Moderately to well banded at approx. 50° c.a. Rare creamy white mineral, likley altered K-feldspar. Section rich in white, web-textured petalite with minor grey quartz from 31.45 - 31.68. Biotite bearing mafic screens at 31.44 - 31.45 and 31.68 - 31.84. Upper aplitic border zone with minor orange garnet and green mica about 10-15cm thick. Upper contact sharp at 48° c.a. Gradational into the next unit.	6d	28802	29.90	31.84	1.94	1.617	0.005	0.021	0.336	0.009	0.042
				28803	31.84	32.75	0.91	1.580	0.012	0.010	0.376	0.011	0.054
32.75	37.14	**PETALITE ALBITE (K-FELDSPAR QUARTZ)** Grey-white, strongly banded at 45° - 50° c.a. Composed of grey-white, commonly augen-shaped petalite crystals from <1 to 3cm in size, typically rotated and stretched along the banding, as well as web-textured petalite. Schleiren fabric locally developed. Grey albite and local, broken white K-feldspar remnants. Fine grained to locally medium grained green mica, giving the core a somewhat 'dirty' appearance. Minor grey quartz blebs and random orange-pink garnet.	6c	28804	32.75	34.00	1.25	1.752	0.005	0.003	0.228	0.010	0.060
				28805	34.00	35.50	1.50	1.483	0.004	0.001	0.276	0.008	0.066
				28806	35.50	37.14	1.64	1.259	0.006	0.002	0.233	0.013	0.061
37.14	50.45	**LEPIDOLITE PETALITE ALBITE** As previous. Banded, lavender lepidolite, albite, and minor grey quartz. Minor creamy white, partially broken down K-feldspar. Pink to white petalite throughout, often as large grains and masses up to several centimetres long. Local blue apatite, as at 43.05. Abundant coarse petalite from 48.68 - 49.47.	6d	28807	37.14	38.00	0.86	1.649	0.007	0.006	0.385	0.012	0.068
				1696	38.00	38.28	0.28	1.436	0.011	0.013	0.604	0.016	0.042
				28808	38.28	40.00	1.72	1.778	0.013	0.011	0.498	0.016	0.056
				28809	40.00	42.00	2.00	1.742	0.012	0.014	0.498	0.014	0.046
				28810	42.00	44.00	2.00	1.688	0.016	0.013	0.472	0.014	0.044
				28811	44.00	47.53	3.53	1.731	0.013	0.012	0.547	0.015	0.046
				28812	47.53	48.68	1.15	1.027	0.008	0.006	0.381	0.013	0.052
				28813	48.68	49.47	0.79	1.774	0.010	0.006	0.324	0.015	0.070
				28814	49.47	50.45	0.98	1.386	0.007	0.003	0.350	0.014	0.072

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-58

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
		Banding: 37.8m - 51° c.a. 39.0m - 49° c.a. 45.0m - 36° c.a. 48.0m - 42° c.a. Broken core from approx. 42.90 - 43.15.											
50.45	60.66	**PETALITE ALBITE QUARTZ (MICA)** Abrupt absence of lepidolite, resulting in an overall grey white color. Texturally heterogeneous. Banding not as well-developed as previous section. Local sections characterized by coarse transluscent-grey to web-textured white petalite. Accessory green mica. Orange-pink garnet randomly throughout.	6c	28815	50.45	52.50	2.05	1.240	0.008	0.002	0.324	0.015	0.072
				28816	52.50	54.50	2.00	1.048	0.006	0.003	0.188	0.010	0.029
				28817	54.50	56.50	2.00	1.335	0.006	0.002	0.199	0.012	0.016
				28818	56.50	58.50	2.00	1.440	0.008	0.003	0.261	0.014	0.062
				28819	58.50	60.66	2.16	2.073	0.006	0.002	0.271	0.011	0.041
60.66	67.65	**PETALITE LEPIDOLITE ALBITE** As per 37.14-50.45, but with more abundant grey-white petalite. Generally finer grained and better developed banding than previous unit. Faint purple hue imparted by presence of minor lepidolite. Banding roughly 50° to c.a. White, aplitic lower border zone 15cm thick. Sharp lower contact at 41° to core axis.	6cd	28820	60.66	62.50	1.84	1.335	0.008	0.002	0.331	0.013	0.056
				28821	62.50	64.47	1.97	1.662	0.009	0.007	0.467	0.017	0.080
				28822	64.47	66.50	2.03	1.488	0.007	0.005	0.354	0.013	0.066
				28823	66.50	67.65	1.15	1.492	0.011	0.006	0.430	0.015	0.053
67.65	72.75	**AMPHIBOLITE / DYKE SWARM** Dark green, finely and well-foliated amphibolite. Local holmquistite. Thin quartz +/- albite veins sometimes ptygmatically folded. Pegmatitic dykelets typically exhibit brown biotite exocontacts.	1/6										

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-58

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
		Pegmatitic Dykelets:											
		67.75 - 67.90: PETALITE ALBITE (QUARTZ) White aplitic albite with minor petalite and quartz. Sharp contacts, parallel to foliation, both 30° to core axis. Minor orange garnet grains.	6c										
		68.15 - 68.18: ALBITITE Thin dykelet composed of white albite. Contains a single lense-shaped aggregate of black oxide(?) grains, about 4cm long and parallel to the contacts.	3a										
		68.54 - 68.92: PETALITE ALBITE (QUARTZ) As per 67.75 - 67.90, with more abundant petalite. Schleiren texture developed in the central portion of the dykelet. Aplitic border zones approximately 10cm thick. Sharp contacts, upper 39° to c.a., lower 46° to c.a.	6	28824	68.54	69.29	0.75	0.947	0.011	0.051	0.191	0.007	0.064
		69.09 - 69.29: PETALITE ALBITE As previous, but without the minor quartz. Petalite is transluscent grey, sometimes exhibiting web-texture. Not always easily discernable. Minor orange garnet. Sharp contacts, parallel to host rock foliation at 50° c.a.	6c										
		69.52 - 70.23: PETALITE ALBITE (QUARTZ) Schleiren textured petalite, white aplitic albite, and minor grey quartz. Minor biotite as thin, discontinuous bands along the foliation. Quartz and petalite are highly stretched along the foliation. Paste-green, partially digested crystal mass at 69.90 may possibly be altered spodumene. 2cm wide glimmerite band at 70.04-70.06. Aplitic border zones, upper about 4cm and lower 3cm thick. Sharp contacts, upper at 47° c.a. and lower at 53° c.a .	6c	28825	69.52	70.23	0.71	1.632	0.005	0.022	0.187	0.006	0.001

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-58

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
		70.32 - 70.43: ALBITITE (QUARTZ) Aplitic white albite with minor grey quartz. Sharp but somewhat undulating contacts, 45°-50° c.a., parallel to host rock foliation.	3a										
		70.70-71.12: PETALITE (ALBITE QUARTZ) Predominantly white, web-textured petalite with lesser white albite and grey quartz. Crude banding developed parallel to host rock foliation. Random overgrowing pink garnet. Sharp contacts, parallel to host rock foliation. Upper contact 39° to c.a., lower contact 49° to c.a.	6c	28826	70.70	71.12	0.42	2.484	0.007	0.013	0.026	0.003	0.019
		71.31 -71.32: ALBITITE	3a										
		71.34 - 71.39: ALBITITE	3a										
		71.51 - 71.52: ALBITITE	3a										
		71.53 - 71.63: ALBITITE Sharp contacts, parallel to host rock foliation, 60° to c.a.	3a										
		71.83 - 71.96: ALBITITE (QUARTZ) Sharp contacts, parallel to host rock foliation, 53° to c.a.	3a										
		PETALITE ALBITE QUARTZ (BIOTITE) Well-foliated. Pink to white petalite, white aplitic albite, and grey quartz, all stretched into bands along the foliation. Thin bands of biotite also along the foliation. Minor yellow-green mica. Sometimes difficult to discern between petalite and albite. Pink, overgrowing garnet, up to 1.5cm, randomly throughout. White, aplitic border zones, upper 15cm thick and lower 5cm thick. Sharp contacts, parallel to host rock foliation, upper slightly irregular at 46° to c.a., lower at 50° to c.a.	6a	28827	72.10	72.75	0.65	0.055	0.004	0.010	0.151	0.009	0.020

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-58

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT
72.75	129.95	**AMPHIBOLITE** As previous. Fine grained and well-foliated. Slight compositional heterogeneity and minor veining impart a banded appearance locally. Local holmquistite. Minor pyrite +/- pyrrhotite, commonly as thin wisps along the foliation (ex: 90.20-90.30). Pillow selvedges common from 79.00-88.00 and 100.60-102.95. Very thin, carbonate-filled fractures locally. The fractures are generally oriented at moderately steep angles to the core axis, and cross-cut the foliation. The fractures locally become very abundant and form breccia to "pseudo-breccia" zones. The breccia zones contain subangular to subrounded mafic volcanic clasts in a carbonate matrix. The clasts range in size from <1cm to several centimetres in size. Remnants of the foliation are still usually seen, but sometimes overprinted in areas of heavy veining. Small brittle offsets locally observed. 94.25 - 94.80: 'Pseudo-breccia' zone 107.00 - 111.95: Breccia zone Foliation: 74m - 49° c.a. 77m - 41° c.a. 88m - 34° c.a. 91m - 29° c.a. 113m - 40° c.a. 118m - 39° c.a. 123m - 49° c.a. 128m - 46° c.a. Broken core: 75.10 - 75.15, 75.27 - 75.32, 86.85 - 86.90	1

SAMPLES No.	FROM	TO	LENGTH	ASSAYS Li_2O%	Ta_2O_5%	Cs_2O%	Rb_2O%	Nb_2O_5%	SnO_2%

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-58

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	FROM	TO	LENGTH	Li_2O%	Ta_2O_5%	Cs_2O%	Rb_2O%	Nb_2O_5%	SnO_2%
		78.90 - 79.00: ALBITITE (QUARTZ) Unbanded. No oxides or lithium phases observed. Sharp contacts, generally parallel to foliation. Upper contact 55° to c.a., lower contact 44° to c.a.	3a										
		82.70 - 83.25: ALBITE K-FELDSPAR (QUARTZ MICA) White aplitic albite and grey-white, altered and partially digested K-feldspar, and subangular to subrounded grey quartz. Minor biotite and yellow-green mica	3a	28828	82.70	83.25	0.55	0.008	0.003	0.001	0.034	0.007	0.001
		88.88 - 89.37: ALBITE K-FELDSPAR (QUARTZ MICA) As previous. Irregular upper contact. Sharp lower contact at 66° to c.a.	3a	28829	88.88	89.37	0.49	0.038	0.009	0.002	0.075	0.014	0.001
		89.75 - 90.05: ALBITE K-FELDSPAR (QUARTZ MICA) As previous. Upper glimmerite exocontact. Sharp contacts, irregular upper contact at approximately 39° to c.a., lower contact at 38° to c.a.	3a	28830	89.75	90.05	0.30	0.040	0.002	0.004	0.064	0.008	0.001
		98.04 - 98.40: K-FELDSPAR QUARTZ (ALBITE MICA) Mottled texture. Crude to poorly developed banding. Composed predominantly of grey to creamy white to dull pinkish-white K-spar, largely altered and broken down. Lesser grey quartz, generally forming the 'matrix' and fracture fillings among the broken K-spar crystals. Minor yellow-green mica and grey-white albite. Minor orange-pink garnet grains. Sharp but irregular upper contact, sharp lower contact at 53° to c.a.	3b	28831	98.04	98.40	0.36	0.057	0.004	0.004	0.055	0.006	0.004
		99.55 - 100.35: K-FELDSPAR QUARTZ As previous, but coarser grained and more granitic in appearance. K-spar up to several centimetres, quartz up to 2cm. Contains a 5cm wide section with abundant thin, black, quartz/silica filled fractures. Sharp contacts, upper irregular at about 40° to c.a., lower at 35° to c.a.	3b	28832	99.55	100.35	0.80	0.004	0.002	0.002	0.083	0.005	0.000

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-58

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
		103.44 - 104.04: K-FELDSPAR QUARTZ (MICA) PEGMATITE As previous, with increased grey quartz up to 35-40% of the dyke. K-spar is white to peach-white, and not as coarse grained as in the previous dyke. Minor yellow-green mica. Upper glimmerite exocontact, 1-3cm wide. Sharp contacts, upper slightly irregular at 50°-60° to c.a., lower contact at 44° to c.a.	3b/2	28833	103.44	104.04	0.60	0.030	0.017	0.003	0.033	0.015	0.003
		124.55 - 124.80: PEGMATITIC GRANITE (WINNIPEG RIVER) Medium grained, unfoliated, composed of creamy orange-white K-spar and grey quartz. Minor biotite. Average grain size is ≤ 0.5cm.	2	28834	124.55	124.80	0.25	0.027	0.004	0.002	0.027	0.017	0.004
		126.54 - 127.42: PEGMATITIC GRANITE (WINNIPEG RIVER) Coarse grained to megacrystic, salmon-pink K-spar and grey quartz, with minor biotite as random aggregates. Overgrowing pink garnet associated with the biotite. Unfoliated. Sharp contacts, upper somewhat irregular at steep angle to the c.a., lower contact generally perpendicular to the c.a.	2	28835	126.54	127.42	0.88	0.021	0.003	0.003	0.095	0.009	0.006
		129.02 - 129.13: PEGMATITIC GRANITE (WINNIPEG RIVER) As previous. Sharp, irregular contacts.	2										
		129.40 - 129.95: PEGMATITIC GRANITE (WINNIPEG RIVER) As previous, but lacking any garnet. Minor yellow-green mica. Biotite alteration, 15cm wide, along upper exocontact. Sharp, undulating upper contact. Sharp, slightly irregular lower contact at 61° to c.a.	2	28836	129.40	129.95	0.55	0.025	0.002	0.002	0.058	0.008	0.003

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-58

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
129.95	146.70	**AMPHIBOLITE** As previous, with minor albitic dykelets at: 134.82-134.86, 135.92-135.96, 141.35-141.50. Fractures are often black, heavily chloritized, and contain smears of pyrite (ex: 144.45-144.60). Foliation: 132m - 40° to c.a. 136m - 39° to c.a. 140m - 35° to c.a. 146m - 45° to c.a.	1										
146.70	147.40	**PEGMATITIC GRANITE (WINNIPEG RIVER)** As previous. Biotie-altered exocontacts, ≤1cm thick. Sharp contacts, upper at 46° c.a., irregular lower contact. Broken core at 147.25-147.30.	2										
147.40	175.03	**AMPHIBOLITE** As previous. Very thin wisps/bands of pyrite - pyrrhotite - chalcopyrite along the foliation planes, imparting a weak *magnetic signature on the core. Local carbonate fissures,* creating "pseudo-breccia" textures (ex: 163.65-163.80, 164.55-165.35, 165.63-165.90). Healed breccia zone at 158.90-159.90. Contains angular to sub-angular mafic volcanic clasts, up to 2 cm, within a carbonate matrix. Pyrrhotite + chalcopyrite ± pyrite commonly occurring along the foliation from 158.90-161.00, especially 159.50-159.85. Pyrrhotite + chalcopyrite along a discontinuous quartz vein at 159.75. Chalcopyrite + pyrrhotite along the foliation at 174.33, forming a thin band about 0.5 cm wide. Minor drag folds in thin carbonate vein at 174.40.	1										

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-58

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
147.40	175.03	**AMPHIBOLITE (con't)** Foliation: 148m - 44° to c.a. 152m - 44° to c.a. 156m - 46° to c.a. 158m - 59° to c.a. 163m - 42° to c.a. 170m - 50° to c.a. 173.8m - 49° to c.a.											
		152.53 - 153.34: K-FELDSPAR QUARTZ Altered granitic dykelet. Salmon-pink K-feldspar and lesser quartz, locally stretched out into thin lenses. Moderate to strong epidote alteration, especially near the dyke contacts. Late-stage biotite grains/aggregates overgrowing all other phases. Irregular contacts marked by quartz-epidote veining and alteration (*pseudo-breccia texture*). Lower contact diffuse over 3-5 cm.	3b										
		158.38 - 158.60: QUARTZ K-FELDSPAR Composed of grey quartz and lesser cream-white to orange-white altered K-spar. Local pink garnet and minor yellow-green mica.	2										
175.03	175.50	**K-FELDSPAR QUARTZ (MICA) PEGMATITE** Similar to previous Winnipeg River Granite units. Composed of salmon-pink to grey-white K-spar, grey quartz, and minor green mica. Very minor pink garnet. Sharp contacts, undulating upper contact at approximately 46° to c.a., lower contact at 43° to c.a.	3b/2	28837	175.03	175.50	0.47	0.008	0.003	0.002	0.014	0.010	0.001

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-58

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
175.50	195.22	**AMPHIBOLITE** As previous, with considerable holmquistite throughout. Thin quartz veins, generally < 1cm, plus albite veins, 2-3 cm, along the foliation. Local folding of these veins (ex: Z-folds at 182.48, S-folds at 189.60). Local feldspar phenocrysts, ≤ 1cm in size. Pyrrhotite + lesser chalcopyrite ± pyrite are common in minor amounts, usually as thin wisps along the foliation planes. Carbonate fractures and "pseudo-breccia" zones at 181.20-181.55, 183.85-184.95, 192.63-193.05. Foliation: 176m - 50° to c.a. 182m - 48° to c.a. 186m - 48° to c.a. 192m - 46° to c.a. 195m - 58° to c.a. Broken core at: 180.65-180.75, 185.81-185.91	1										
195.22	196.40	**PEGMATITIC GRANITE (WINNIPEG RIVER)** Composed of coarse grained to megacrystic salmon-pink to white K-spar, lesser quartz, and accessory biotite. Some of the larger K-spar megacrysts and quartz grains exhibit a semi-translucent character. Many of the quartz grains are also chatoyant. Minor yellow-green mica and overgrowing pink garnet. Sharp contacts, upper contact slightly irregular at about 66° to c.a., lower at 43° to c.a.	2	28838	195.22	196.40	1.18	0.009	0.001	0.001	0.059	0.005	0.001

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-58

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT
196.40	200.00	**AMPHIBOLITE** As previous, with minor holmquistite locally (ex: 197m). Minor pyrrhotite ± chalcopyrite ± pyrite along fracture planes, sometimes associated with quartz. Two white quartz veins, up to 2cm, at 197.30 display evidence of folding and ductile deformation. Foliation: 197m - 65° to c.a. 199m - 54° to c.a. Broken core at: 196.45-196.55	1
		199.58 - 199.73: Irregular quartz + albite dykelet/vein, with minor pink garnet.	3a
	EOH		

SAMPLES				ASSAYS					
No.	FROM	TO	LENGTH	Li_2O%	Ta_2O_5%	Cs_2O%	Rb_2O%	Nb_2O_5%	SnO_2%

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY:	Separation Rapids	**LOCATION:** North Pit Wall	**CLAIM #:**	**DOWNHOLE SURVEY:** Acid		**DRILLING COMPANY:**	Bradley Bros. Ltd.
HOLE NO.:	SR01-59	**LENGTH:** 179m	**CORE SIZE:** NQ3	DEPTH DIP AZM	DEPTH DIP AZM	**REMARKS:**	Core storage: On site
PROJECT NO:	518	**NORTHING:** 0+65N	**EASTING:** 4+86W	101m 61° -			
ELEVATION:	351m	**UTM Northing:** 5569170	**UTM Easting:** 388387	179m 58° -		**CASING:**	3 metres - Pulled from hole
COLLAR ORIENTATION (AZIMUTH / DIP)		**PLANNED:** 355°/-60°	**SURVEYED:** No			**LOGGED BY:**	J.A. Morgan **LOGGED:** May 06/2001
HOLE STARTED:	29/04/01	**FINISHED:** 01/05/01	**MAG DECLINATION:** 2°18' E				**SHEET** 1 **OF** 11

METERAGE FROM	METERAGE TO	DESCRIPTION	Comp	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
0.00	2.56	**OVERBURDEN** Clay and boulders.	Ob										
2.56	32.85	**AMPHIBOLITE** Dark green, generally fine grained, moderately well foliated. Local holmquistite and brown biotite/glimmerite. Pillow selvedges preserved locally. Minor quartz and/or carbonate veining. Very thin, carbonate-filled fractures along the dominant fracture set, oriented at moderate angles to the core axis and steep angles to the foliation (nearly perpendicular). Second set of joints, as recorded in Knight Piesold logs. Very minor pyrite ± pyrrhotite ± chalcopyrite associated with thin veins along the foliation. Foliation: 5m - 28° to c.a. 14m - 40° to c.a. 19.75m - 39° to c.a. 30m - 30° to c.a.	1										
		14.80 - 15.00: ALBITE QUARTZ K-FELDSPAR PEGMATITE White, aplitic albite, concentrated along 4-5cm wide border zones, grey quartz, and minor grey-white K-spar. Moderately banded/foliated parallel to the contacts. Sharp contacts, parallel to host rock foliation, both 39° to c.a.	3a										

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-59

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	Comp	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
		15.40 - 15.80: ALBITE DYKE Irregular albitic dykelet. Upper glimmerite exocontact. Pink garnet within the amphibolite at both contacts.	3a										
32.85	36.19	**K-FELDSPAR ALBITE (QUARTZ MICA) PEGMATITE** Composed of grey-white to locally pink K-spar, largely broken down and fragmented into grains with an average size of 2-3mm, but up to a couple of centimetres. Also grey-white albite, grey quartz, and significant greeen mica, mostly along moderately developed bands. Generally grey-green in color, with faint pink tinges due to local pink K-spar. Re-crystallized 'mosaic' texture. Random, minor pink garnet. Glimmerite exocontacts. Sharp contacts, parralel to the host rock foliation. Upper contact at 44° to c.a., lower contact at 36° to c.a.	3b/5	28839	32.85	34.54	1.69	0.132	0.002	0.003	0.140	0.006	0.015
				28840	34.79	36.19	1.40	0.084	0.002	0.000	0.085	0.005	0.018
36.19	38.22	**AMPHIBOLITE** As previous, with significant holmquistite. Foliation: 36.5m - 36° to c.a.	1										
38.22	38.62	**K-FELDSPAR ALBITE (QUARTZ MICA) PEGMATITE** As previous. Minor biotite as random aggregates/clots. Glimmerite exocontacts. Sharp contacts, parallel to the host rock foliation. Upper contact at 49° to c.a., lower contact at 51° to c.a.	3b/5	28841	38.22	38.62	0.40	0.063	0.010	0.008	0.041	0.007	0.007
38.62	38.90	**AMPHIBOLITE** As previous. Abundant glimmerite. Foliation: 35° to c.a.	1										

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-59

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	Comp	SAMPLES No.	FROM	TO	LENGTH	ASSAYS Li_2O%	Ta_2O_5%	Cs_2O%	Rb_2O%	Nb_2O_5%	SnO_2%
38.90	39.70	**K-FELDSPAR ALBITE (QUARTZ MICA)** As previous, but with slightly more orange K-feldspar. "Recrystallized texture" not as promouncec as previous unit. Pink garnet and yellow-green to canary yellow mica common throughout. Crude banding developed. Two diamond-shaped, brown oxides near the upper contact. Lower peach colored aplitic border zone, 25 cm wide, with grey quartz grains up to 1cm. Glimmerite exocontacts. Sharp contacts, parallel to host rock foliation. Upper contact at 30° to c.a., lower contact at 47° to c.a.	3b	28842	38.90	39.70	0.80	0.043	0.005	0.008	0.092	0.007	0.132
39.70	52.40	**AMPHIBOLITE** As previous. Moderately to well-foliated. Local, thin carbonate filled fractures cutting the foliation at steep angles. Tightly folded quartz vein, significantly shortened and thickened into a 3x2 cm mass, at 51.70. Broken core at 43.10 - 43.40. Foliation: 41.3m - 46° to c.a. 43.7m - 31° to c.a. 49m - 30° to c.a. 52m - 47° to c.a.	1										
52.40	54.70	**ALBITE K-FELDSPAR (QUARTZ MICA) PEGMATITE** Composed of grey-white albite, white to salmon-pink K-spar fragments, and grey, semi-translucent quartz with considerable biotite aggregates. Local garnet, generally associated with biotite. Crude banding. Glimmerite exocontacts. Sharp contacts, generally parallel to the host rock foliation. Upper contact at 39° to c.a., lower contact at 28° to c.a.	3a	28843	52.40	53.57	1.17	0.106	0.004	0.021	0.074	0.010	0.051
				1697	53.57	53.78	0.21	0.211	0.003	0.027	0.120	0.009	0.021
				28844	53.78	55.88	2.10	0.070	0.004	0.016	0.033	0.011	0.018

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-59

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	Comp	SAMPLES No.	FROM	TO	LENGTH	ASSAYS Li_2O%	Ta_2O_5%	Cs_2O%	Rb_2O%	Nb_2O_5%	SnO_2%
54.70	55.88	**AMPHIBOLITE** As previous. Foliation at 41° to core axis.	1										
55.88	57.55	**ALBITE (QUARTZ MICA K-FELDSPAR) PEGMATITE** Composed predominantly of aplitic white albite, with lesser grey quartz, yellow-green mica, and biotite. Minor grey-white K-feldspar. Rare, random pink garnet. Sharp contacts, upper at 47° to c.a., lower contact irregular at approximately 48° to c.a.	3a	28845	55.88	57.55	1.67	0.046	0.004	0.006	0.044	0.004	0.005
57.55	65.51	**AMPHIBOLITE** As previous. Possible holmquistite at 62.30. Flecks of brown mica locally. Foliation: 59.5m - 38° to c.a. 62.2m - 37° to c.a. 64.4m - 50° to c.a.	1										
		58.68 - 58.82: Recrystallized white quartz vein with blebs of chalcopyrite and pyrrhotite near upper contact.											
		63.70 - 64.18: ALBITE QUARTZ (MICA) Intermixed grey-white albite and grey quartz. Minor yellow-green mica and biotite. The biotite forms thin, discontinuous bands parallel to the amphibolite foliation. Minor pink garnet. Sharp contacts, parallel to host amphibolite foliation. Upper contact at 38° to c.a., lower contact at 44° to c.a.	3a	28846	63.70	64.18	0.48	0.043	0.004	0.013	0.074	0.009	0.027

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-59

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	Comp	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
		65.33 - 65.40: ALBITE DYKELET	3a										
65.51	66.55	**K-FELDSPAR QUARTZ ALBITE (MICA) PEGMATITE**	3b	28847	65.51	66.55	1.04	0.101	0.006	0.019	0.136	0.008	0.007
		Medium grained, mottled grey pegmatite. Composed of white K-feldspar, grey quartz, and lesser grey-white albite. Minor yellow-green mica imparts faint green tinge on the core. Minor biotite. Random pink garnet. Quartz and mica are stretched along the moderately to well developed foliation, which is parallel to the contacts and the host amphibolite foliation. Sharp contacts, upper at 32° to c.a., lower at 25° to c.a.											
66.55	74.55	**AMPHIBOLITE**	1										
		As previous. Silicified zone, characterized by blue-grey silica and red garnet, up to 1cm in size, from 72.00-73.00. Well foliated, with the garnet aligned along the foliation. Thin pyrrhotite ± pyrite ± chalcopyrite seams along the foliation planes, and sometimes fillings cracks in the broken garnet grains. Foliation: 68.5m - 33° to c.a. 71.5m - 29° to c.a. 74.4m - 33° to c.a.											
		67.05 - 67.25: ALBITE DYKELETS Series of white albite dykelets, the thickest being 8cm, all separated by biotite-rich screens. Minor pink garnet.	3a										

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-59

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	Comp	SAMPLES No.	FROM	TO	LENGTH	ASSAYS Li_2O%	Ta_2O_5%	Cs_2O%	Rb_2O%	Nb_2O_5%	SnO_2%
		67.58 - 68.00: ALBITE QUARTZ (K-FELDSPAR MICA) PEGMATITE	3ab										
		Heterogeneous grey-white dyke. Quartz grains stretched out along the foliation. Yellow-green mica defines a well developed foliation in the finer grained/aplitic section in the central portion of the dyke. Foliation 46° to core axis. Glimmerite exocontacts 3-5 cm thick. Sharp contacts, concordant with the host rock foliation. Upper contact at 40° to c.a., lower contact at 20° to c.a.											
74.55	100.20	**K-FELDSPAR ALBITE MICA QUARTZ PEGMATITE**	4,5	28848	74.55	75.90	1.35	0.051	0.006	0.010	0.131	0.011	0.020
				28849	75.90	77.50	1.60	0.075	0.005	0.013	0.138	0.014	0.010
		Texturally heterogeneous, from poorly foliated megacrystic to coarse grained zones, to finer grained, moderately foliated/banded, micaceous zones.		28850	77.50	79.00	1.50	0.099	0.003	0.009	0.208	0.012	0.021
		Composed of megacrystic to coarse grained, white K-spar, commonly 5-6cm in size, with grey quartz grains typically no greater than 1cm in size. Green mica common. Rare pink garnet.		28851	79.00	81.15	2.15	0.092	0.003	0.008	0.286	0.011	0.018
				28852	81.15	83.30	2.15	0.085	0.002	0.007	0.289	0.010	0.018
				28853	83.30	85.35	2.05	0.067	0.002	0.004	0.235	0.011	0.015
				28854	85.35	87.40	2.05	0.079	0.002	0.006	0.155	0.010	0.014
				28855	87.40	89.40	2.00	0.058	0.002	0.003	0.194	0.009	0.014
				28856	89.40	91.40	2.00	0.059	0.002	0.006	0.371	0.010	0.016
		Micaceous sections composed of white albite and/or quartz, with minor K-spar and abundant silver-green mica.		28857	91.40	93.40	2.00	0.064	0.003	0.002	0.158	0.010	0.013
				28858	93.40	95.40	2.00	0.050	0.003	0.003	0.238	0.010	0.008
				28859	95.40	97.40	2.00	0.105	0.004	0.004	0.248	0.015	0.019
		74.55 - 75.90: Characterized by coarse grained green mica, grey quartz, and K-feldspar, up to 2-3 cm in size. Mottled texture. Generally unfoliated.		28860	97.40	98.90	1.50	0.055	0.003	0.004	0.207	0.011	0.015
				28861	98.90	100.20	1.30	0.036	0.002	0.005	0.194	0.009	0.015
		75.90 - 79.00: As per 74.55-75.90, but not as coarse grained. Gradual increase in green mica downhole.											
		79.00 - 83.30: Megacrystic K-feldspar section.											
		83.30 - 89.40: As per 75.90-79.00.											
		89.40 - 100.20: Megacrystic K-feldspar section.											
		Glimmerite exocontacts 1cm wide. Sharp contacts, upper approx. 50° to c.a., curved lower contact at 25°-35° to c.a.											

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-59

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	Comp	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
100.20	126.37	**AMPHIBOLITE** As previous. Locally exhibits a coarser grained, gabbroic texture. Foliation is at very shallow angles to the core axis from 102.00-104.00. Possible fold closure at 103m. Foliation: 105m - 44° to c.a. 107m - 35° to c.a. 111.5m - 35° to c.a. 105.05-105.15: Quartz vein, no greater than 1cm wide, gently folded and cross-cutting the foliation. 108.50-108.80: Zone of bluish silicification and brown biotite alteration. Biotite forms discontinuous bands along the foliation, forming a "tiger-stripe" texture. 111.60-111.70: Irregular quartz-epidote veining. 114.00-115.00: Thin carbonate-filled fractures and irregular quartz veining with associated pyrrhotite and chalcopyrite. 118.06-118.29: Recrystallized, glassy white quartz vein. Sharp contacts, concordant with the host rock foliation.	1/1a										
126.37	127.20	**K-FELDSPAR QUARTZ (ALBITE MICA) PEGMATITE** Composed of white to grey-white K-spar and grey quartz with minor biotite and silvery-yellow mica. Minor white albite. Mottled, unfoliated texture. Glimmerite exocontacts. Sharp upper contact at 41° to c.a. Lower contact irregular and somewhat diffuse.	3b	28862	126.37	127.20	0.83	0.027	0.004	0.003	0.016	0.003	0.009

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-59

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	Comp	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
127.20	143.15	**"GABBROIC" AMPHIBOLITE** Similar to previous, but coarser grained. Foliation is very well developed. Unit is probably a tuffaceous horizon. Minor quartz and thin carbonate veins throughout. The quartz veins are commonly folded. Possible minor fold closure at 131.20. Foliation: 127.25m - 22° to c.a. 130.7m - 39° to c.a. 132.5m - 46° to c.a. 135.5m - 40° to c.a. 140m - 28° to c.a. 141.3m - 42° to c.a. 142.8m - 43° to c.a. 133.14-133.46: K-FELDSPAR ALBITE (QUARTZ MICA) DYKE Composed of grey-white to faint pink K-spar, grey-white albite, grey quartz (concentrated in the upper 5cm), and minor yellow-green mica (concentrated in thin stringers in the lower half of the dyke). Moderately developed banding, parallel to the contacts. Rare, overgrowing pinkish-red garnet, up to 5mm. Aplitic lower border zone, 3-4 cm thick. Somewhat diffuse upper contact and sharp lower contact, both approximately 45° to core axis. 140.25-140.60: Recrystallized grey-white quartz vein. Sharp but somewhat irregular contacts.	1a										
			3b	28863	133.14	133.46	0.32	0.067	0.003	0.014	0.098	0.004	0.008

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-59

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	Comp	SAMPLES No.	FROM	TO	LENGTH	Li_2O%	Ta_2O_5%	Cs_2O%	Rb_2O%	Nb_2O_5%	SnO_2%
143.15	148.50	**PEGMATITIC GRANITE (SEPARATION RAPIDS)** Texturally heterogeneous, pinkish-white to yellow-green pegmatitic granite. Crude banding/foliation. Composed of medium grained to coarse grained pink K-feldspar, grey quartz, and white to orange-pink albite. Green color imparted by common yellow-green mica, generally occurring as thin bands along the foliation and as groundmass around larger crystals, especially around the K-feldspar crystals. Minor pink garnet. Sharp contacts, upper at 59° to c.a., lower at 22° to c.a.	7	1698	143.15	143.48	0.33	0.031	0.008	0.004	0.083	0.008	0.592
				28864	143.48	146.00	2.52	0.038	0.006	0.005	0.171	0.010	0.029
				28865	146.00	148.50	2.50	0.025	0.006	0.003	0.090	0.008	0.040
148.50	153.50	**AMPHIBOLITE** As previous. Well foliated, with minor quartz-carbonate veining. Minor pyrite, chalcopyrite, and pyrrhotite locally. Quartz vein, up to 1cm wide, at 152.50, exhibits Z-fold morphology. Holmquistite at 151.00. Foliation: 148.7m - 43° to c.a. 151m - 47° to c.a. 153.3m - 44° to c.a.	1										
153.50	168.70	**K-FELDSPAR QUARTZ (ALBITE MICA) PEGMATITE** Texturally heterogeneous, generally mottled appearance. Composed of megacrystic white to salmon-pink K-spar, coarse grained grey quartz, local grey-white albite, and silver-green mica. Minor biotite. Random pink-red garnet. Finer grained, more albitic sections exhibit poorly to moderately developed banding. Sharp contacts, upper at 57° to c.a., lower at 42° to c.a.	3b/4	28866	153.50	155.15	1.65	0.060	0.006	0.004	0.110	0.016	0.034
				28867	155.15	156.80	1.65	0.054	0.007	0.004	0.125	0.013	0.124
				28868	157.65	159.90	2.25	0.032	0.004	0.005	0.174	0.010	0.006
				28869	159.90	162.10	2.20	0.045	0.004	0.005	0.159	0.013	0.008
				28870	162.10	164.30	2.20	0.044	0.003	0.005	0.203	0.011	0.007
				28871	164.30	166.50	2.20	0.040	0.005	0.007	0.149	0.011	0.015
				28872	166.50	168.70	2.20	0.025	0.005	0.006	0.151	0.010	0.017

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-59

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	Comp	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
		156.80-157.65: AMPHIBOLITE Amphibolite screen, as previous. Sharp contacts with the pegmatite. Upper contact irregular at steep angles to c.a., lower contact 51° to c.a.	1										
168.70	172.49	**AMPHIBOLITE** As previous. Local glimmerite. Minor quartz veining, generally along the foliation planes, but often irregular and crossing them. Minor pyrrhotite ± chalcopyrite ± pyrite associated with the veins. Foliation: 169.2m - 35° to c.a. 170.5m - 36° to c.a. 172.2m - 49° to c.a.	1										
		168.94-169.14: ALBITE QUARTZ DYKE Abundant dull-brown oxides, some diamond shaped, up to 5mm in size. Also fine grained pink-red garnet.	3a	28873	168.94	169.14	0.20	0.030	0.004	0.005	0.009	0.013	0.845
		170.08-170.18: QUARTZ ALBITE DYKE Grey-white, with minor pink garnet.	3a										
172.49	173.95	**ALBITE (QUARTZ MICA) PEGMATITE** Composed of grey-white albite and minor grey quartz with very minor yellow mica. Very fine grained black opaques, most of which are likely host rock fragments, particularly abundant in the upper portion of the dyke. Minor pink garnet. Biotite rich screen at 173.40-173.46. Sharp contacts, upper at 50° to c.a., lower at 38° to c.a.	3a	28874	172.50	173.95	1.45	0.029	0.011	0.004	0.047	0.006	0.027

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-59

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	Comp	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
173.95	179.00	**AMPHIBOLITE** As previous. Foliation: 175m - 21° to c.a. 176m - 29° to c.a. 178m - 34° to c.a. 179m - 32° to c.a.	1										
	EOH												

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY:	Separation Rapids	**LOCATION:** SW Pit Wall	**CLAIM #:**	**DOWNHOLE SURVEY:** Acid		**DRILLING COMPANY:**	Bradley Bros. Ltd.
HOLE NO.:	SR01-60	**LENGTH:** 158.00m	**CORE SIZE:** NQ3	DEPTH DIP AZM	DEPTH DIP AZM	**REMARKS:**	Core storage: On site
PROJECT NO:	518	**NORTHING:** 0+24N	**EASTING:** 7+56W	78m 58° -			
ELEVATION:	360m	**UTM Northing:** 5569132	**UTM Easting:** 388120	158m 52° -		**CASING:**	3 metres - pulled from hole
COLLAR ORIENTATION (AZIMUTH / DIP)		**PLANNED:** 218°/-60°	**SURVEYED:** No			**LOGGED BY:**	J.A. Morgan **LOGGED:** May 09, 2001
HOLE STARTED:	01/05/01	**FINISHED:** 04/05/01	**MAG DECLINATION:** 2°18' E				**SHEET** 1 **OF** 8

METERAGE FROM	METERAGE TO	DESCRIPTION	Comp	SAMPLES No.	FROM	TO	LENGTH	ASSAYS Li_2O%	Ta_2O_5%	Cs_2O%	Rb_2O%	Nb_2O_5%	SnO_2%
0.00	2.19	**OVERBURDEN** Clay and boulders.	Ob										
2.19	10.50	**PEGMATITIC GRANITE (SEPARATION RAPIDS)** Texturally heterogeneous. Composed of coarse grained to megacrystic orange-pink to white K-spar, grey quartz, grey-white albite, coarse grained silver-green mica, and minor biotite. Finer grained, more albitic sections exhibit a moderately banded, green-grey appearance. Rusty brown iron staining along the fractures, particularly within the lower 2 metres of the unit. Small pyrite + chalcopyrite blebs in the lower 50cm of the unit. Sharp lower contact at 30° to core axis.	7	28875	2.19	4.30	2.11	0.109	0.004	0.003	0.146	0.013	0.012
				28876	4.30	6.38	2.08	0.120	0.004	0.005	0.187	0.013	0.011
				28877	6.38	8.50	2.12	0.092	0.005	0.006	0.164	0.011	0.011
				28878	8.50	10.50	2.00	0.047	0.008	0.006	0.126	0.012	0.006
10.50	18.40	**GABBRO / GABBROIC AMPHIBOLITE** Generally massive, poorly foliated to unfoliated, black to dark green. Very minor quartz veining. Broken, blocky core at 15.15-15.30.	1a										
18.40	22.80	**PEGMATITIC GRANITE (SEPARATION RAPIDS)** Similar to previous, but exhibits more of a grey to grey-white color, since pink K-spar is not as abundant as in the previous unit. Composed of grey-white and lesser pink K-spar, coarse grained	7/3b	28879	18.40	20.60	2.20	0.067	0.005	0.011	0.110	0.013	0.009
				28880	20.60	22.80	2.20	0.121	0.007	0.010	0.159	0.014	0.021

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-60

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	Comp	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
		PEGMATITIC GRANITE (SEPARATION RAPIDS) (continued) grey quartz, and minor albite, with accessory biotite and silver-green mica. Chalcopyrite bleb associated with the biotite at 20.61.											
22.80	29.65	**AMPHIBOLITE** Slightly coarser grained than the typical amphibolite. Well foliated, in contrast to the previous amphibolite unit. Contains abundant brown biotite flecks locally. Local bluish-white siliceous veins/alteration, generally along the foliation planes. Bluish tinge imparted by the silicification could easily be mistaken for holmquistite. Two sets of thin, carbonate filled fractures. One set at 45°-50° to the core axis, usually cutting the foliation. Second set at much steeper angles to the core axis. Small chalcopyrite blebs at 24.40 and 26.33. Foliation is variable, but generally at shallow angles to the core axis. Appears to 'swing around' at 26.45, possibly indicating a minor fold closure. Foliation: 23.2m - 27° to c.a. 24.3m - 12° to c.a. 25.1m - 12° to c.a. 26.45m - 0° to c.a. 27.7m - 9° to c.a. 29.4m - 21° to c.a.	1										

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-60

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	Comp	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
29.65	30.72	**QUARTZ (FELDSPAR) DYKE** Composed predominantly of grey, semi-translucent, fine grained quartz, with small white K-feldspar grains, ≤1mm. Minor biotite and/or host rock fragments throughout, generally as small specks ≤1mm in size. Small pyrite blebs near upper contact. Broken core at 29.85-30.25. Sharp contacts, upper somewhat irregular but generally concordant with host amphibolite foliation at 19° to c.a., lower contact at 24° to c.a.	3	28881	29.65	30.72	1.07	0.039	0.003	0.000	0.015	0.001	0.001
30.72	47.15	**AMPHIBOLITE** As previous, with minor quartz veining and associated pyrite + pyrrhotite blebs. Thin, S-folded, blue-grey quartz vein at 38.63. Foliation: 31.15m - 20° to c.a. 35.2m - 21° to c.a. 39.0m - 13° to c.a. 41.0m - 10° to c.a. 44.0m - 13° to c.a.	1										
		36.42 - 37.02: K-FELDSPAR QUARTZ DYKE	3b										
		37.02 - 37.45: Recrystallized glassy white quartz vein. Small blebs of chalcopyrite at 37.20. Sharp contacts, upper at 17° to c.a., lower irregular.											

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-60

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	Comp	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
47.15	55.09	**GABBROIC AMPHIBOLITE** Medium to coarse grained, grey-green, well to very well foliated. Non-magnetic. Minor quartz veining and associated pyrite + chalcopyrite blebs, including along the upper contact. Folded grey-blue quartz vein, <5mm, at 54.80. Sharp upper contact at 13° to c.a. Foliation: 47.3m - 14° to c.a. 50.0m - 30° to c.a. (questionable) 51.5m - 15° to c.a. 48.5m - 22° to c.a. 54.8m - 30° to c.a.	1a										
55.09	57.01	**K-FELDSPAR ALBITE QUARTZ (MICA) PEGMATITE** Grey-white pegmatite composed of white K-feldspar grains, white albite, and grey quartz, with minor biotite and green mica. Overgrowing pink garnet up to 1cm in size. Biotite/glimmerite rich screen at 56.07-56.37. Sharp but irregular upper contact, sharp lower contact at 32° to core axis.	3b	28882	55.09	57.01	1.92	0.137	0.005	0.016	0.154	0.010	0.021
57.01	135.00	**AMPHIBOLITE** As previous. Well foliated. Local pyrrhotite ± magnetite ± pyrite, notably between 61.60-66.00, imparting a weak to moderate magnetic signature. Tightly folded white quartz veins from 67.55-68.00 and 71.65-71.85. High density of thin (≤2mm) carbonate-filled fractures at 69.40 - 69.85. Broken core at 118.55-118.90.	1										

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-60

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	Comp	SAMPLES No.	FROM	TO	LENGTH	Li_2O%	Ta_2O_5%	Cs_2O%	Rb_2O%	Nb_2O_5%	SnO_2%
		Foliation: 57.75m - 22° to c.a.											
		62.0m - 24° to c.a.											
		67.45m - 30° to c.a.											
		69m - 25° to c.a.											
		74m - 32° to c.a.											
		80m - 36° to c.a.											
		84.5m - 34° to c.a.											
		90m - 32° to c.a.											
		95m - 38° to c.a.											
		99.55m - 42° to c.a.											
		102m - 35° to c.a.											
		107m - 28° to c.a.											
		113m - 38° to c.a.											
		118m - 33° to c.a.											
		129.6m - 25° to c.a.											
		134.6m - 20° to c.a.											
		Albitic Dyke (3a) swarm from 95.00 - 135.00, most <10cm wide. Larger dykes as follows:											
		97.01-97.25: Irregular with minor, pale blue apatite.	3a										
		99.89-100.02	3a										
		100.27-100.57: Includes a 3cm wide biotite band.	3a	28883	100.27	100.57	0.30	0.171	0.019	0.100	0.190	0.010	0.014
		101.30-101.50	3a										
		102.84-104.00: K-FELDSPAR QUARTZ MICA DYKE Coarse grained, grey-white K-feldspar, grey quartz, white albite, and accessory biotite. Minor yellow-green mica near the bottom of the dyke. Sharp but irregular upper contact at about 41° to c.a. Sharp lower contact at 24° to c.a.	3b	28884	102.84	104.00	1.16	0.085	0.022	0.054	0.249	0.011	0.006

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-60

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	Comp	SAMPLES No.	FROM	TO	LENGTH	ASSAYS Li_2O%	Ta_2O_5%	Cs_2O%	Rb_2O%	Nb_2O_5%	SnO_2%
		106.95-107.25: White-grey albite dyke.											
		122.05-122.40: PETALITE (ALBITE QUARTZ) DYKE Predominantly white to grey-white petalite, with minor albite and quartz. Pink garnet along lower exocontact. Minor biotite flecks.	6	28885	122.05	122.40	0.35	2.080	0.009	0.039	0.073	0.008	0.009
		126.75-127.10: ALBITE (K-FELDSPAR QUARTZ) DYKE Albitic dyke with 3cm wide holmquistite bearing exocontacts. Sharp contacts, upper at 30° to c.a., lower contact at 45° to c.a.	3a	28886	126.75	127.10	0.35	0.069	0.050	0.076	0.027	0.005	0.005
		127.70-127.87: ALBITE DYKELET	3a										
		128.75-128.94: ALBITE DYKELET Aplitic albite dykelet, including a holmquistite bearing, 1cm wide biotite band.	3a	28887	128.75	128.94	0.19	0.165	0.036	0.303	0.224	0.008	0.022
		131.27-132.75: K-FELDSPAR QUARTZ (MICA) PEGMATITE Grey pegmatite, composed of grey to white, medium grained to megacrystic K-feldspar, smokey grey quartz, and semi-translucent, coarse grained K-feldspar (maybe petalite -> difficult to discern). Minor overgrowing pink garnet. Minor aplitic white albite. Sharp, undulating upper contact at 20°-25° to c.a. Sharp lower contact at 36° to c.a.	3b	28888	131.27	132.75	1.48	0.273	0.005	0.010	0.153	0.009	0.006
		133.05-133.45: ALBITE DYKE Grey-white, aplitic albite dyke with minor biotite and green mica. Sharp contacts, upper at 25° to c.a., lower contact at 16° to c.a.	3a										

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-60

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	Comp	SAMPLES No.	FROM	TO	LENGTH	ASSAYS Li_2O%	Ta_2O_5%	Cs_2O%	Rb_2O%	Nb_2O_5%	SnO_2%
135.00	145.95	**K-FELDSPAR QUARTZ ALBITE (MICA) PEGMATITE** Texturally heterogeneous, mottled, grey-white pegmatite. Predominantly composed of megacrystic white K-feldspar, often >10cm in size, and coarse grained, smokey grey quartz, with lesser grey-white albite and green mica. Locally contains faint green mineral, similar to 'ghost green spodumene'. Possibly altered petalite (examples: 142.35 and 143.25). Local overgrowing pink garnet, including within the lower exocontact. Quartz eyes often chatoyant. Sharp upper contact at 24° to c.a. Somewhat irregular lower contact marked by biotite and garnet in the mafic metavolcanics.	4	28889	135.00	136.34	1.34	0.156	0.003	0.004	0.133	0.009	0.010
				1699	136.34	136.60	0.26	0.110	0.003	0.002	0.321	0.010	0.00622
				28890	136.60	138.04	1.44	0.150	0.003	0.003	0.230	0.012	0.005
				28891	138.04	140.00	1.96	0.220	0.005	0.002	0.190	0.022	0.009
				28892	140.00	142.00	2.00	0.192	0.004	0.004	0.421	0.017	0.008
				28893	142.00	144.00	2.00	0.919	0.006	0.005	0.281	0.018	0.014
				28894	144.00	145.95	1.95	0.122	0.005	0.005	0.078	0.018	0.006
145.95	148.20	**AMPHIBOLITE** As previous. Foliation is not very well developed. Small flecks of brown mica throughout. Holmquistite at 147.00-147.50. Foliation: 147.50m - 46° to c.a.	1										
148.20	150.45	**QUARTZ MICA (ALBITE K-FELDSPAR) PEGMATITE** Grey-white pegmatite. Composed predominantly of smokey grey to semi-translucent grey quartz, biotite, and grey-white albite, with very minor, local K-feldspar. Overgrowing pink garnet, 1mm average, common throughout. Diffuse upper contact, marked by a 55cm wide zone of grey silicification, biotite alteration, and local "pseudo-breccia" textures due to carbonate veining. More abrupt, but irregular lower contact.	5	28895	148.20	150.45	2.25	0.269	0.005	0.007	0.130	0.029	0.013

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-60

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	Comp	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
150.45	158.00	**AMPHIBOLITE** As previous. Moderately to poorly foliated. Brown biotite flecks locally. High density of thin, carbonate filled fractures below 152.00, especially at 152.10-152.60, 154.25-155.40 ("crackle breccia"), 155.50-155.70, and 156.00-156.20. Foliation: 155.90m - 44° to c.a.	1										
	EOH												

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY:	Separation Rapids	**LOCATION:** Great White North	**CLAIM #:**	**DOWNHOLE SURVEY:** Acid		**DRILLING COMPANY:**	Bradley Bros. Ltd.
HOLE NO.:	SR01-61	**LENGTH:** 110.00 m	**CORE SIZE:** NQ	DEPTH DIP AZM	DEPTH DIP AZM	**REMARKS:**	Core Storage: On site
PROJECT NO:	518	**NORTHING:** 0+37 N	**EASTING:** 7+00 W	50m 45° -			
ELEVATION:	363m	**UTM Northing:** 5569125	**UTM Easting:** 388171	110m 44° -		**CASING:**	3 metres - left in hole
COLLAR ORIENTATION (AZIMUTH / DIP)		**PLANNED:** 180°/-45°	**SURVEYED:** No			**LOGGED BY:** W.M. Carter	**LOGGED:** May 6, 2001
HOLE STARTED:	May 4, 2001	**FINISHED:** May 5, 2001	**MAG DECLINATION:** 2°18' E				**SHEET** 1 **OF** 8

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
0.00	2.55	**OVERBURDEN**	OB										
2.55	9.20	**GABBROIC AMPHIBOLITE** *Homogeneous; massive, green, coarse grained, dominantly amphibole and biotite. Local Fe-staining along joint and fracture planes.* 6.00 - 6.15 : Recrystalized quartz vein; contacts 10° TCA	1a										
9.20	9.92	**QUARTZ VEIN** Coarse grained, recrystallized quartz with local muscovite books; Fe-staining along joints/ fractures and as patches within the quartz.	5										
9.92	11.85	**GABBROIC AMPHIBOLITE** Same as previous; abundant cm-scale dark red garnets (almandine?) at upper contact.	1a										
11.85	24.80	**ALBITE PETALITE K-SPAR MICA** Moderately to strongly banded, occasional Fe-staining along joints/fractures. Web textured and translucent grey petalite with megacrystic K-spar in fine grained albite - yellow mica matrix. Cm-scale pinkish-orange garnets throughout; local concentrations of muscovite books; scattered biotite grains. Dark grey, waxy quartz pods. Soft red mineral (hematite?) in micaceous horizon @ 20.03m. Glimmerite exocontacts. UCT is 10° TCA LCT is 50° TCA 19.65 - 19.90 : AMPHIBOLITE screen	3a	28896	11.85	14.00	2.15	0.047	0.006	0.003	0.080	0.008	0.080
				28897	14.00	16.00	2.00	0.042	0.005	0.001	0.160	0.010	0.017
				28898	16.00	18.00	2.00	0.051	0.005	0.002	0.131	0.009	0.021
				28899	18.00	20.00	2.00	0.151	0.007	0.011	0.214	0.011	0.039
				28900	20.00	22.00	2.00	0.095	0.005	0.003	0.168	0.010	0.042
				28901	22.00	23.40	1.40	0.045	0.005	0.003	0.120	0.010	0.043
				28902	23.40	24.80	1.40	0.050	0.007	0.007	0.089	0.009	0.060
			1										

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-61

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
24.80	26.29	**GABBROIC AMPHIBOLITE** As previous; becoming medium grained in lower section.	1a										
26.29	28.25	**PETALITE ALBITE MICA** Moderately banded, homogeneous, white to grey. Web-textured to large translucent petalite grains (≤ 5cm). F.g. white-grey albite; yellowish-green mica defining banding. Minor cm-scale pinkish-orange garnets. Dark grey glassy quartz. Spars biotite. Elongated salmon pink feldspars at 27.30m. Several mm-scale cassiterite (?) grains from 28.05m down. Glimmerite exocontact. LCT is 55° TCA	6c	28903	26.29	28.25	1.96	0.254	0.011	0.002	0.166	0.013	0.074
28.25	31.00	**AMPHIBOLITE** Medium to fine grained, greenish-black, strongly foliated; a few carbonate-filled joints with minor Fe-staining. Foliation at 29.25m = 50°	1										
31.00	47.17	**PETALITE ALBITE K-SPAR MICA** Moderately banded, heterogeneous white-grey to pink-grey. ** Drill induced shattered core from 32.86 - 34.51m. 31.00 - 39.70 : PETALITE ALBITE MICA (+/- K-SPAR) Dominantly white in colour, moderately banded. Mega-crystic white petalite (~5cm); in some cases they appear to be zoned (may be K-spar. Sample at 31.72m sent to RPT), in fine- medium-grained, white albite matrix. Yellow-green mica defines the banding. Local reddish-pink, cm-scale garnets - in some cases they appear to be rimmed with biotite. Clear grey quartz pods, occasional muscovite patches. Possible bright blue apatite crystals at 31.48m. Creamy white K-spar patches in contact zones; creamy peach-brown patchy mineral from 36.80 - 36.87m may be altered K-spar. AMPHIBOLITE screens at 38.61-38.80m (strongly foliated with trace pyrrhotite and chalcopyrite. UCT is 30°; LCT is 42°), 39.30-39.55m and 39.65-39.70m. 39.70 - 41.80 : Burnt-orange-red feldspathic material forming streaks and	3a	28904	31.00	32.96	1.96	0.044	0.005	0.002	0.156	0.010	0.074
				28905	32.96	34.51	1.55	0.068	0.004	0.005	0.168	0.011	0.030
				28906	34.51	36.51	2.00	0.077	0.005	0.005	0.146	0.011	0.027
				28907	36.51	38.51	2.00	0.106	0.005	0.002	0.156	0.009	0.055
				28908	38.51	40.51	2.00	0.220	0.004	0.013	0.170	0.008	0.055
				28909	40.51	42.51	2.00	0.100	0.004	0.005	0.190	0.012	0.038
				28910	42.51	44.51	2.00	0.008	0.006	0.004	0.202	0.018	0.024
				28911	44.51	46.51	2.00	0.165	0.005	0.007	0.253	0.014	0.018
				28912	46.51	47.17	0.66	0.047	0.009	0.010	0.141	0.013	0.147

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-61

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
31.00	47.17	**PETALITE ALBITE K-SPAR MICA -- cont'd** patches. Megacrystic white feldspar; grey to creamy white albite matrix with yellowish-green mica defining banding. Ribbony glassy grey quartz, reddish-pink cm-scale garnets rimmed with biotite. Muscovite books concentrated in individual horizons. Occasional mm-scale rust patches within and surrounding feldspar megacrysts. 41.80 - 44.00 : Greenish-grey section; mica and albite with muscovite horizons (43.40-43.50m - unusually thick muscovite book horizon). White megacrystic K-feldspars, glassy grey quartz pods. Common rusty patches/haloes around sulphide minerals. 44.00 - 47.17 : Generally lighter in colour (whiter with local pink feldspathic patches). Dominantly white albite with silver muscovite books streakily defining the banding. Megacrystic white K-feldspars; noticeably less yellow mica. LCT is 52° TCA											
47.17	48.02	**AMPHIBOLITE** Dark green-grey, fine to medium grained, strongly foliated with local glimmerite and aplitic albitite horizons (both ≤ 1cm). LCT is 68o TCA	1										
48.02	48.78	**ALBITE K-FELDSPAR** White-grey, fine- to medium-grained albite matrix with light grey feldspar megacrysts. Minor black biotite throughout. Scattered cm-scale, pinkish-red garnets, glassy grey quartz. Local glimmerite horizons and exocontacts. LCT is 44° TCA	3a	28913	48.02	48.78	0.76	0.056	0.006	0.021	0.286	0.012	0.121
48.78	71.89	**AMPHIBOLITE** Dark green, fine-grained, strongly foliated with pegmatitic dykelets throughout, and occasional quartz-rich horizons. Foliation at 50m = 45°, 59.15m = 47°, 69.56m = 48°.	1	28914	56.72	57.35	0.63	0.715	0.008	0.042	0.257	0.011	0.064
				28915	61.05	61.31	0.26	1.046	0.009	0.060	0.171	0.005	0.026
71.89	73.21	**PETALITE ALBITE** Heterogeneous, white to grey, moderately to strongly	6c	28916	71.89	73.21	1.32	1.862	0.011	0.016	0.162	0.014	0.358

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-61

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
71.89	73.21	**PETALITE ALBITE -- cont'd** banded. White web-textured petalite, as well as translucent grey cm-scale crystals. White-grey, fine grained, saccroidal albite matrix. Fine black biotite grains defining the banding; occasional mm-scale pink garnets. Glassy grey quartz. Possible Ta-oxides. Glimmerite exocontacts. UCT is 50° TCA; LCT 58° TCA											
73.21	74.40	**AMPHIBOLITE** Fine-grained, dark green, highly foliated with local quarto-albitic veinlets and glimmerite horizons.	1										
74.40	75.42	**PETALITE ALBITE K-SPAR** Heterogeneous; dull creamy whitish-grey, strongly banded - almost schleiren textured. White web-textured petalite in a white-grey, fine-grained, saccroidal albite matrix. Mega-crystic creamy white k-spar, glassy grey quartz ribbons/ pods. Local fine-grained black biotite defining the banding. Occasional mm- to cm-scale pink garnets; rare silver muscovite and yellow mica. Possible Ta-oxides throughout. Wide glimmerite horizon from 74.54-74.59m; glimmerite exocontacts. UCT is 60° TCA; LCT is 54° TCA	6c	28917	74.40	75.42	1.02	1.770	0.008	0.057	0.233	0.010	0.041
75.42	76.26	**AMPHIBOLITE** As previous; glimmerite horizons are both independent of and associated with aplitic quartzo-albitic dykelets.	1										
76.26	77.30	**PETALITE ALBITE** As previous, minus the k-spar; whitish-grey, fine- to coarse-grained, moderately banded.	6c	28918	76.26	77.30	1.04	1.806	0.009	0.010	0.162	0.009	0.040
77.30	79.12	**AMPHIBOLITE** As previous; local aplitic quartzo-albitic dykelets, as well as glimmerite horizons. Pegmatitic dykelets at 77.89-77.92m and 77.57-77.86m, both with ~1cm wide glimmerite exocontacts.	1										

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-61

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
79.12	81.00	**LEPIDOLITE ALBITE PETALITE** Heterogeneous, purple to whitish-grey, medium- to fine-grained, *moderately to strongly banded. Bright lilac purple*, fine-grained lepidolite in a fine-grained, white to light grey, saccharoidal albite matrix. Occasional translucent grey ~watery petalite grains (</= 5cm), as well as local white to grey web textured petalite. Creamy white to orange patches of remnant feldspar, ribbony glassy grey quartz. Minor fine-grained black biotite, green mica and silver muscovite associated with contact zones. Bright aqua blue, mm-scale apatite grains are common within lepidolite zones. Glimmerite horizons from 80.48-80.68m, as well as glimmerite exocontacts (~1cm wide) UCT is 42° TCA; LCT is 40° TCA	6d	28919	79.12	81.00	1.88	1.832	0.014	0.044	0.528	0.014	0.041
81.00	81.70	**AMPHIBOLITE** As previous; minor chalcopyrite and pyrite blebs within foliation. Local aplitic quartz and albite dykelets and associated glimmerite. Minor carbonate filled cross cutting joints (parallel to foliation and ~60° TCA) Foliation at 81.40m = 45° TCA	1										
81.70	82.75	**LEPIDOLITE ALBITE PETALITE** Less lepidolite than previous section, therefore more greyish-white colour. Fine- to coarse-grained, strongly banded, heterogeneous. Creamy-white patches of remnant feldspar throughout -- otherwise, same as previous. UCT is 40° TCA; LCT is 40° TCA	6d	28920	81.70	82.75	1.05	1.750	0.017	0.037	0.373	0.011	0.046
82.75	84.60	**AMPHIBOLITE** Dark green, fine-grained, strongly foliated with local pegmatitic dykelets and associated glimmerite exocontacts. Foliation at 83.40m = 40° TCA The following dykelets are dominantly fine-grained white albite with ribbony glassy grey quartz, and fine black biotite defining the foliation. Occasional cm- to mm-scale	1										

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-61

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
82.75	84.60	**AMPHIBOLITE -- cont'd** pink garnets, and creamy-white patches of remnant k-spar. No lepidolite. 82.80-82.85m, 82.97-83.09m, 83.56-83.60m, 83.79-83.82m, 84.30-84.37m, 84.49-84.57m	1										
84.60	85.27	**LEPIDOLITE ALBITE +/- PETALITE** Heterogeneous, purple to green to greyish-white (streaky), fine- to coarse-grained, moderately to strongly banded. Even less lepidolite than previous section -- basically just enough to notice the shade. White-grey, fine-grained, saccharoidal albite. Creamy white to orange-brown patches of remnant feldspar. Glassy grey quartz pods/ribbons. Fine grained black biotite defining the banding, as well as local yellow-green mica. Possible grey web-textured petalite. UCT is 50° TCA; LCT is 48° TCA	6d	28921	84.60	85.27	0.67	1.475	0.032	0.045	0.491	0.014	0.046
85.27	88.10	**AMPHIBOLITE** As previous with multiple pegmatitic dykelets:	1										
		86.08 - 86.25m : albite, k-spar, quartz, biotite +/- petalite.	3/6	28922	86.08	88.10	2.02	1.027	0.024	0.210	0.508	0.011	0.029
		86.41 - 86.59m : albite, petalite (translucent grey megacryst), minor pink garnet.	6										
		86.73 - 87.35m : albite, petalite, yellow mica, silver muscovite, possible replaced spodumene (snot-green); local glimmerite horizons.	6										
		87.53 - 87.94m : albite, +/- petalite, yellow mica, silver muscovite, minor orange garnets, and glimmerite horizons.	3/6										
88.10	99.69	**LEPIDOLITE PETALITE ALBITE** Heterogeneous, fine- to coarse-grained, grey and white to purple and pink, strongly banded. Fine-grained, lilac purple lepidolite. Grey-white to locally pink down-hole, web-textured to translucent petalite megacrysts (~5cm). Fine-grained, saccharoidal, white-grey albite. Partially digested creamy white k-spar to almost pristine grey megacrysts. Occasional light pinkish-orange, cm-scale garnets.	6d	28923	88.10	90.00	1.90	2.592	0.006	0.005	0.356	0.011	0.044
				28924	90.00	92.00	2.00	1.457	0.006	0.002	0.253	0.009	0.026
				28925	92.00	94.00	2.00	2.441	0.007	0.002	0.275	0.011	0.021
				28926	94.00	96.00	2.00	1.694	0.006	0.005	0.299	0.012	0.043
				28927	96.00	98.00	2.00	1.856	0.007	0.008	0.366	0.013	0.066
				28928	98.00	99.69	1.69	1.544	0.011	0.005	0.352	0.015	0.056

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-61

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	FROM	TO	LENGTH	ASSAYS Li_2O%	Ta_2O_5%	Cs_2O%	Rb_2O%	Nb_2O_5%	SnO_2%
88.10	99.69	**LEPIDOLITE PETALITE ALBITE -- cont'd** Fine- to medium-grained silver muscovite; occasional fine black biotite defining banding, as well as rimming garnets. mm-scale aqua blue apatite throughout. Possible beryl crystal (1.5 x 1cm) at 90.19m (light blue). From 95.83m on, generally finer grained and lepidolite rich. From 96.52-96.72m large section of pink and white megacrystic petalite with more than the usual amount of mm-scale aqua blue garnets. Glimmerite exocontacts. Foliation at 92.3m = 45°, 95.2m = 50°, 98.2m = 45° UCT is 42° TCA; LCT is 39° TCA											
99.69	100.68	**AMPHIBOLITE** Dark green-black, fine-grained with brown mica flecks, strongly foliated. Multiple carbonate-filled cross cutting joint sets; occasional pyrite occurs on joint faces. From 99.83-99.96m, especially fractured section of amphibolite, with silica and carbonate infilling and chloritic alteration -- almost a clastic appearance. Local dykelets: 99.80 - 99.83 : aplitic albitite 99.96 - 100.13 : albitic dykelet with cm-scale orange garnet, fine yellow mica, and glimmerite horizons. 100.35 - 100.46 : strange pseudo-dykelet (?) with cm-scale k-spar crystals and dark grey quartz in dark, fine-grained siliceous matrix (minor biotite and yellow mica). Definitely not typical.	1 3a 3a										
100.68	106.13	**PETALITE ALBITE K-FELDSPAR** Heterogeneous, white to greyish-pink, moderately to strongly banded with amphibolite screens. White-grey web-textured and translucent megacrystic petalite. Fine-grained saccharoidal, white-grey albite. Grey to pink megacrystic k-spar and fine-grained matrix material. Dark grey glassy quartz pods and ribbons. Cm- to mm-scale orange garnets throughout. Fine black biotite defining banding, occasional yellow mica and silver muscovite. Minor rusty red patches and fracture filling. Possible altered spodumene at 105.95m (snotty to sea green), no distinct habit. Local glimmerite	6	28929	100.68	100.88	0.20	2.086	0.013	0.076	0.312	0.009	0.049
				28930	101.00	101.51	0.51	2.973	0.008	0.012	0.238	0.007	0.095
				28931	101.91	102.27	0.36	1.229	0.033	0.069	0.118	0.007	0.130
				28932	102.46	103.32	0.86	2.127	0.008	0.009	0.155	0.008	0.053
				28933	103.51	104.00	0.49	1.544	0.020	0.017	0.244	0.011	0.059
				28934	104.49	104.86	0.37	0.995	0.006	0.007	0.109	0.006	0.106
				28935	104.86	106.13	1.27	1.470	0.007	0.018	0.303	0.011	0.098

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-61

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
100.68	106.13	**PETALITE ALBITE K-FELDSPAR -- *cont'd***											
		horizons, and exocontacts. LCT is 40° TCA.											
		AMPHIBOLITE screens: 100.88-101.00m, 101.51-101.56m,											
		101.68-101.91m, 102.27-102.46m, 103.32-103.51m,											
		104.00-104.11m, 104.18-104.49m, 104.86-104.95m.											
106.13	106.60	**AMPHIBOLITE**	1										
		Fine-grained, dark green, strongly foliated (~60° TCA)											
106.60	106.81	**PEGMATITIC GRANITE (WINNIPEG RIVER)**	2	28936	106.60	106.81	0.21	0.153	0.013	0.040	0.105	0.008	0.055
		Light salmony pink, moderately foliated. Salmon pink											
		broken down feldspars as matrix material with fine black											
		biotite defining the foliation. Occasional mm-scale pink											
		garnets.											
		UCT is 50° TCA; LCT is 55° TCA.											
106.81	107.20	**AMPHIBOLITE**	1										
		As previous; local pyrite and holmquistite near UCT.											
107.20	107.61	**PEGMATITIC GRANITE (WINNIPEG RIVER)**	2	28937	107.20	107.61	0.41	0.032	0.011	0.001	0.007	0.008	0.592
		As previous; less foliated, rare patches of yellow mica.											
107.61	110.00	**AMPHIBOLITE**	1										
		More black than green, fine-grained, strongly foliated with											
		shallow angle cross cutting carbonate-filled joints.											
		Foliation at 109.00m = 50° TCA											
	EOH												

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY:	Separation Rapids	**LOCATION:** Great White North	**CLAIM #:**	**DOWNHOLE SURVEY:** Acid		**DRILLING COMPANY:**	Bradley Bros. Ltd.
HOLE NO.:	SR01-62	**LENGTH:** 100.00 m	**CORE SIZE:** NQ	DEPTH DIP AZM	DEPTH DIP AZM	**REMARKS:**	Core Storage: On site
PROJECT NO:	518	**NORTHING:** 0+08 N	**EASTING:** 6+75 W	50 42° -			
ELEVATION:	359m	**UTM Northing:** 5569098	**UTM Easting:** 388197	110 41° -		**CASING:**	6 metres - left in hole
COLLAR ORIENTATION (AZIMUTH / DIP)		**PLANNED:** 180°/-45°	**SURVEYED:** No			**LOGGED BY:** W.M. Carter	**LOGGED:** May 7, 2001
HOLE STARTED:	May 5, 2001	**FINISHED:** May 6, 2001	**MAG DECLINATION:** 2°18' E				**SHEET** 1 **OF** 8

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
0.00	5.30	**OVERBURDEN**	OB										
5.30	8.00	**ALBITE K-FELDSPAR** Homogeneous; greyish to light orange-pink, moderately banded. Fine-grained, white-grey, saccharoidal albite matrix. Light orange-pink, megacrystic k-spar, and glassy grey quartz pods and ribbons. Fine-grained yellow mica defining foliation. Occasional silver muscovite books and mm-scale red garnet. LCT is 52° TCA	3a	28938	5.30	8.00	2.70	0.094	0.007	0.006	0.190	0.012	0.044
8.00	10.18	**AMPHIBOLITE** Dark green, fine-grained, strongly foliated; local quartzo-albitic horizons as well as glimmerite horizons parallel to foliation. Foliation is 45° TCA at 9.5m 8.17 - 8.35 : ALBITIC vein - fine-grained, white-grey matrix, random mm-scale pink garnets, fine black biotite defining foliation. Local pyrrhotite within 0.5cm of amphibolite screen.	1 3a										
10.18	10.95	**ALBITITE** Homogeneous; grey-white, medium- to fine-grained, moderately banded. Fine-grained, grey-white, saccharoidal albite matrix with occasional glassy grey quartz pods; mm-scale red garnets throughout. Fine yellow mica and silver muscovite books defining foliation.	3a	28939	10.18	10.95	0.77	0.071	0.005	0.012	0.070	0.008	0.019
10.95	11.24	**AMPHIBOLITE** As previous.	1										

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-62

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
11.24	12.30	**ALBITITE** As previous.	3a	28940	11.24	12.30	1.06	0.044	0.008	0.012	0.154	0.012	0.166
12.30	31.02	**AMPHIBOLITE** As previous; local concentrations of pyrite in fractures and joint planes. Local glimmerite horizons. Occassional spastic folds. 13.73 - 13.79 : Aplitic albitite veinlet. 14.72 - 14.90 : Saccharoidal albitite; trace pink garnets. 15.35 - 15.39 and 15.44 - 15.47 : Aplitic albitite dykelets; glimmerite exocontacts. UCT is 52° TCA; LCT is 54° TCA	1										
		16.62 - 17.00 : Medium-grained albitic dyke with k-spar megacrysts, mm-scale pink garnets, fine black biotite defining foliation, and glimmerite exocontacts. UCT is 55° TCA; LCT is 40° TCA	3a	28941	16.62	17.00	0.38	0.132	0.007	0.035	0.069	0.006	0.112
		19.62 - 19.75 : As previous except finer-grained. UCT is 50° TCA; LCT is 52° TCA	3a										
		20.44 - 20.80 : As previous; medium-grained, local creamy patches of k-spar remnants, cm-scale pink garnet. UCT is 35° TCA; LCT is 50° TCA	3a										
		23.45 - 23.53 : As previous.	3a										
		24.04 - 24.16 : Heterogeneous, white albite (and possible green?), peach k-spar, and black biotite. Glimmerite exocontacts. UCT is 52° TCA; LCT is 44° TCA	3a										
		24.62 - 24.79 : Saccharoidal white albite, pink garnet, minor black biotite, local glimmerite horizons and exocontacts. UCT is 50° TCA; LCT smashed.	3a										
		26.05 - 26.10 : Aplitic albitite with glimmerite exocontacts.	3a										
		27.58 - 28.35 : Broken core -- drill induced. Albitite; grey-white, medium- to fine-grained, saccharoidal albite, with minor mm-scale aqua-blue apatite, otherwise same as previous.	3a	28942	27.58	28.35	0.77	0.252	0.041	0.020	0.044	0.012	0.048
31.02	31.75	**PETALITE ALBITE K-FELDSPAR** Heterogeneous; white-grey, fine- to coarse-grained, moderately to strongly banded. White, web-textured petalite as	6c	28943	31.02	31.75	0.73	1.617	0.012	0.014	0.196	0.010	0.078

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-62

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
31.02	31.75	**PETALITE ALBITE K-FELDSPAR -- cont'd** well as cm-scale translucent crystals (~2cm). Fine-grained grey-white albite matrix, occassional grey k-spar mega-crysts and glassy grey quartz. Fine black biotite defining banding, occassional clusters of pink garnet. Rare yellow mica; occassional cm-scale silver muscovite books. Rare mm-scale aqua-blue apatite. Internal banding parallel to contacts. UCT is 50° TCA; LCT is 55° TCA											
31.75	39.79	**AMPHIBOLITE** Green, fine-grained, strongly foliated; occassional epidote-(+/- chlorite) rich altered zones. Local glimmerite horizons; local aplitic albitite dykelets.	1										
		35.32 - 35.36 : Aplititc albitite UCT is 55° TCA; LCT is 50° TCA	3a										
		36.14 - 36.16 : Aplitic albitite UCT is 44° TCA; LCT is 45° TCA	3a										
		36.42 - 36.53 : Aplitic albitite with local mm-scale pink garnets. Contacts bashed up.	3a										
39.79	40.33	**PETALITE K-FELDSPAR ALBITE** Heterogeneous; white-grey, fine- to very coarse-grained, moderately to strongly banded. Creamy white web-textured petalite (+/- translucent grey crystals). Megacrystic grey k-spar; fine-grained, saccharoidal, white albite matrix. Glassy grey quartz pods/ribbons; fine black biotite defining banding, cm-scale pink garnets. Rare patches of yellow mica. Finer-grained aplitic albitite end zones (~2cm) with glimmerite exocontacts. UCT is 48° TCA; LCT is 45° TCA	6b	28944	39.79	40.33	0.54	1.742	0.010	0.018	0.362	0.011	0.049
40.33	46.10	**AMPHIBOLITE** As previous; local epidote +/- chlorite altered sections.	1										
		42.42 - 42.63 : ALBITE K-SPAR - fine-grained, white grey albite, pink garnets, glassy grey quartz, local yellow mica, black biotite and single large blob of pyrite.	3a	28945	42.42	42.63	0.21	0.139	0.028	0.048	0.159	0.020	0.399

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-62

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO		UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
40.33	46.10	**AMPHIBOLITE -- cont'd**											
		UCT is 62° TCA; LCT is 40° TCA											
		42.95 - 43.20 : Same as at 39.79-40.33m; slightly more yellow mica, rare aqua-blue apatite.	6b	28946	42.95	43.20	0.25	0.878	0.016	0.021	0.082	0.009	0.207
		UCT is 63° TCA; LCT is 49° TCA											
		43.36 - 43.77 : Same as at 39.79-40.33m with 1.5cm wide glimmerite horizon midway.	6b	28947	43.42	43.77	0.35	1.210	0.012	0.017	0.125	0.007	0.136
		UCT is 50° TCA; LCT is 48° TCA											
		44.00 - 44.13 : Same as at 39.79-40.33m; no megacrysts, no garnets.	6b										
		UCT is 50° TCA; LCT is 48° TCA											
		44.32 - 44.83 : Same as at 39.79-40.33m; local glimmerite horizons, rare garnet.	6b	28948	44.32	44.83	0.51	1.027	0.025	0.068	0.333	0.009	0.035
		UCT is 45° TCA; LCT is 45° TCA											
46.10	48.88	**LEPIDOLITE ALBITE**	6d	28949	46.10	46.77	0.67	1.720	0.012	0.051	0.583	0.014	0.046
		Homogeneous (except for ~10-15cm end zones); purple, fine- to medium-grained. Glimmerite horizon from 46.69-46.77m with end zone mineralization. Glimmerite exo-contacts (~1cm wide). End zones contain fine-grained, white-grey albite and minor yellow mica. Possible web-textured petalite (only in end zones), and glassy grey quartz ribbons. Main dyke is fine-grained, lilac purple lepidolite in a fine-grained albite matrix; strongly banded. Minor creamy white remnant k-spar patches, and possible translucent petalite grains (~2cm). Occasional mm-scale aqua-blue apatite and mm-scale light orange-pink garnets. Internal banding parallel to contacts.		28950	46.77	48.88	2.11	1.841	0.015	0.023	0.521	0.014	0.048
		UCT is 40° TCA; LCT is 42° TCA											
48.88	49.40	**AMPHIBOLITE**	1	28951	48.88	49.40	0.52	0.297	0.012	0.176	0.302	0.005	0.021
		As previous.											
		49.12 - 49.24 : Aplitic albitite dykelet; saccharoidal white albite, rare creamy white feldspar megacrysts (~2cm), glassy grey quartz ribbons. Fine black biotite defining foliation, occasional orange garnet. Minor fine yellow mica, and rare mm-scale aqua-blue apatite.	3a										
		UCT is 45° TCA; LCT is 45° TCA											

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-62

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
49.40	50.73	**PETALITE ALBITE** Heterogeneous; creamy white to grey, fine- to coarse-grained, moderately to strongly banded. Both creamy white web-textured petalite and translucent grey crystals (~2cm) in fine-grained, saccharoidal white albite matrix; possible k-spar remnants. Glassy grey ribbony quartz, occassional mm-scale orange-pink garnet. Fine silver muscovite and black biotite defining banding. Occassional mm-scale aqua blue apatite; bright green patches of unknown mineral (may be apatite?). Internal banding parallel to contacts. UCT is 40° TCA; LCT is 40° TCA	6c	28952	49.40	50.73	1.33	3.014	0.014	0.008	0.102	0.007	0.138
50.73	51.46	**AMPHIBOLITE** Fine-grained, green, strongly foliated with local glimmerite horizons. 51.91 - 52.17 : Aplitic albitite dykelet -- fine-grained, white-grey albite with glassy grey quartz ribbons, and local glimmerite horizons and exocontacts.	1 3a	28953	50.73	51.46	0.73	0.316	0.007	0.215	0.335	0.005	0.018
51.46	52.20	**LEPIDOLITE ALBITE PETALITE** Heterogeneous; purple to white-grey, fine- to medium-grained, strongly banded. End zones (~10-15cm) consist of fine-grained, saccharoidal white albite with local web-textured petalite, black biotite defining banding, and occasional glassy grey quartz pods/ribbons. Rare yellow mica. Main dyke consists of fine lilac purple lepidolite in fine-grained, white, saccharoidal albite matrix. Rare creamy white patches of remnant k-spar (mm- to cm-scale blobs). Occasional translucent petalite crystals (~2cm) in lepidolite-albite matrix. Rare pink garnet. Glimmerite exocontacts, and horizon from 51.76-51.80m.	6d	28954	51.46	52.20	0.74	1.783	0.012	0.024	0.375	0.010	0.062
52.20	52.78	**AMPHIBOLITE** As previous 52.27 - 52.31 : Aplitic albitite 52.46 - 52.60 : Aplitic albitite with creamy white k-spar remnants and fine	1 3a 3a	28955	52.20	52.78	0.58	0.622	0.017	0.831	0.888	0.013	0.023

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-62

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
52.20	52.78	**AMPHIBOLITE -- cont'd** grained silver muscovite.											
52.78	67.05	**LEPIDOLITE ALBITE (PETALITE)** Heterogeneous; light purplish-grey to white, fine- to coarse-grained, strongly banded. Again, 15-20cm end zones are dominantly composed of white saccharoidal albite with local web-textured petalite and patches of creamy white k-spar remnants. Local fine silver muscovite and black biotite defining banding. Main dyke is purplish-grey lepidolite-albite matrix with creamy white to grey megacrystic k-spars; glassy grey quartz ribbons are commons in areas with megacrysts. Common mm-scale aqua-blue apatite throughout, especially at 66.08-66.12m where cm-scale apatite is relatively concentrated in a pinkish-white, translucent megacrystic horizon. Fine silver muscovite throughout makes rocks appear grey. Rare cm-scale pink garnets. Occassional glimmerite horizons (~1cm), as well as exocontacts. UCT is 35° TCA; LCT is 37° TCA	6d	28956	52.78	54.85	2.07	1.475	0.017	0.016	0.507	0.015	0.038
				28957	54.85	56.90	2.05	1.473	0.015	0.008	0.399	0.014	0.054
				28958	56.90	59.00	2.10	1.552	0.009	0.004	0.437	0.014	0.048
				28959	59.00	61.00	2.00	1.501	0.011	0.010	0.397	0.016	0.064
				28960	61.00	63.00	2.00	1.718	0.008	0.007	0.331	0.014	0.053
				28961	63.00	65.00	2.00	1.335	0.010	0.007	0.375	0.015	0.074
				28962	65.00	67.05	2.05	1.731	0.011	0.015	0.372	0.013	0.049
67.05	83.95	**AMPHIBOLITE** Green, fine-grained, strongly foliated; occassional glimmerite horizons (from 74.61-75.86m holmquistite as well as glimmerite). Multiple cross cutting, carbonate-filled joint sets. Occassional epidote- (+/- chlorite) rich altered zone parallel with foliation. Abundant pyrite in joint planes. Albitite dykelets greater than 10cm or with interesting mineralogy as follows (internal banding parallel to contacts)	1										
		67.80 - 68.12 : PETALITE ALBITE -- both creamy white web-textured petalite and translucent grey megacrysts (2-5cm). White, saccharoidal albite (aplitic albitite at end zones), minor black biotite and fine-grained silver muscovite. UCT is 50° TCA; LCT is 45° TCA	6c	28963	67.80	68.12	0.32	2.467	0.019	0.042	0.252	0.009	0.064
		69.18 - 69.54 : ALBITITE (with minor lepidolite +/- petalite) -- several glimmeritic horizons (~1cm or less). Local lepidolite, silver muscovite, black biotite and rare yellow mica randomly	3a	28964	69.18	69.54	0.36	1.335	0.028	0.017	0.543	0.016	0.047

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-62

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
67.05	83.95	**AMPHIBOLITE -- cont'd**											
		defining banding. Fine-grained, saccharoidal white albite, and occassional mm-scale aqua-blue apatite.											
		UCT is bashed; LCT is 50° TCA											
		69.74 - 70.21 : ALBITITE -- white-greyish-yellow, fine-grained, saccharoidal albite with occasional fine yellow mica and silver muscovite throughout, as well as black biotite in end zones. Thick (~10cm) glimmerite horizon about halfway through.	3a	28965	69.74	70.21	0.47	1.186	0.021	0.125	0.636	0.014	0.044
		UCT is 50° TCA; LCT is 60° TCA											
		71.41 - 72.20 : PETALITE ALBITE -- homogeneous, white-grey, fine- to coarse-grained. White-grey web-textured petalite, as well as translucent grey crystals (~2cm). Fine, saccharoidal white albite, occasional but rare k-spar megacrysts. Occasional cm-scale pinkish-orange garnets. Fine black biotite and silver muscovite defining banding. Glassy grey quartz pods/ribbons. Rare yellow mica.	6c	28966	71.41	72.20	0.79	2.276	0.008	0.010	0.298	0.012	0.069
				28967	72.20	72.93	0.73	0.883	0.026	0.240	0.499	0.011	0.061
		UCT is 50° TCA; LCT is 48° TCA											
		72.75 - 72.93 : PETALITE ALBITE -- fine- to medium-grained, grey-white, moderately banded. Contact zones are fine grained, saccharoidal white albite with minor black biotite, yellow mica, and silver muscovite defining banding. Central section contains both grey-white web-textured petalite and translucent grey crystals. Occasional cm-scale orange-pink garnet, and glassy grey quartz pods.	6c	28968	72.93	74.61	1.68	0.995	0.013	0.100	0.423	0.011	0.053
		UCT is 60° TCA; LCT is 60° TCA											
		73.08 - 73.40 : ALBITITE -- fine- to medium-grained, white to grey, moderately to strongly banded. Saccharoidal white albite matrix with fine black biotite and silver muscovite defining banding. Occasional cm-scale pinkish-orange garnets.	3a										
		UCT is 50° TCA; LCT is 49° TCA											
		73.50 - 74.08 : ALBITITE dykelets with glimmerite horizons and amphibolitic screens throughout, otherwise homogeneous, grey-white, moderately banded. Fine- to medium-grained, saccharoidal white albite, with black biotite and minor amounts of both silver muscovite and yellow mica defining banding; mm-scale pink garnets throughout. Glimmerite exocontacts.	3a										

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-62

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
67.05	83.95	**AMPHIBOLITE – cont'd**											
		74.15 - 74.61 : As previous; glimmerite horizon (1.5cm) at 74.25m. UCT is 52° TCA; LCT is 64° TCA	3a										
		77.40 - 77.50 : ALBITITE -- fine-grained, saccharoidal white albite with minor black biotite defining banding, and random mm-scale pink garnets throughout. UCT is 70° TCA; LCT is 60° TCA	3a										
		77.88 - 78.30 : ALBITE PETALITE (?) -- heterogeneous, greyish-pinkish-white, fine- to medium-grained, moderately banded. Fine, saccharoidal grey-white albite. Possible altered petalite (creamy white, looks like "micro" web-texture) in central dyke. Cm-scale pink garnet throughout. Fine black biotite and sliver muscovite defining banding. Ribbony glassy grey quartz. Minor yellow mica. Fine-grained pinkish areas (doesn't look like petalite) could be albite or broken down k-spar. UCT is 45° TCA; LCT is 68° TCA	6c	28969	77.88	78.30	0.42	0.208	0.007	0.012	0.059	0.007	0.182
		78.50 - 78.62 : ALBITITE -- fine-grained, saccharoidal white albite, occassional cm-scale pink garnet, and fine silver muscovite defining banding. UCT is 70° TCA; LCT is 80° TCA	3a										
83.95	85.25	**WINNIPEG RIVER GRANITE** Heterogeneous; salmony pink to greyish white, fine- to coarse-grained, moderately to strongly foliated/banded. Salmony pink k-spar megacrysts, as well as fine grained groundmass material. Glassy grey quartz pods/ribbons. Fine black biotite defining plane of foliation, silver muscovite books concentrated in discrete horizons randomly throughout. Occasional mm-scale pink garnet.	2	28970	83.95	85.25	1.30	0.096	0.003	0.008	0.222	0.012	0.093
85.25	100.00	**AMPHIBOLITE** Fine-grained, strongly foliated, becoming more black than green with depth. Occasional glimmerite horizons (~cm). Common pyrite in carbonate-filled joints throughout.	1										
	EOH												

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY:	Separation Rapids	**LOCATION:** Great White North	**CLAIM #:**	**DOWNHOLE SURVEY:** Acid		**DRILLING COMPANY:**	Bradley Bros. Ltd.
HOLE NO.:	SR01-63	**LENGTH:** 101.00 m	**CORE SIZE:** NQ	DEPTH DIP AZM	DEPTH DIP AZM	**REMARKS:**	Core Storage: On site
PROJECT NO:	518	**NORTHING:** 0+00 BL	**EASTING:** 6+50 W	50 40° -			
ELEVATION:	355m	**UTM Northing:** 5569083	**UTM Easting:** 388225	110 41° -		**CASING:**	6 metres - left in hole
COLLAR ORIENTATION (AZIMUTH / DIP)		**PLANNED:** 180°/-44°	**SURVEYED:** No			**LOGGED BY:** W.M. Carter	**LOGGED:** May 8, 2001
HOLE STARTED:	May 6, 2001	**FINISHED:** May 7, 2001	**MAG DECLINATION:** 2°18' E				**SHEET** 1 **OF** 9

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
0.00	4.03	**OVERBURDEN**	OB										
4.03	7.35	**AMPHIBOLITE** Homogeneous; blackish green, fine- to medium-grained, strongly foliated with local albitic dykelets (concordant with foliation). Foliation at 5m = 52° TCA Aplitic Albitite dykelets at 5.21-5.24m, 5.37-5.44m, 5.51-5.57m, 6.65-6.71m, and 6.83-6.90m. All have glimmerite exocontacts.	1										
7.35	8.20	**K-FELDSPAR ALBITE** Moderately homogeneous; light orange-pink and white-grey, fine-grained with megacrystic k-spar, moderately banded. Light orange-pink megacrystic k-spars in fine-grained, saccharoidal white *albite matrix. Green muscovite randomly throughout*; fine yellow mica defining banding, and coarser-grained silver muscovite in patches throughout. Cm-scale red garnets associated with micaceous horizons. UCT is 65° TCA; LCT is 48° TCA	3b	28971	7.35	8.20	0.85	0.046	0.005	0.017	0.279	0.012	0.019
8.20	12.59	**AMPHIBOLITE** Fine-grained, green, strongly foliated with local glimmerite horizons (~1cm). Local carbonate-filled joints. Rare pyritic bands within amphibolite, more commonly in joints. 9.78 - 9.81 : Aplitic albitite dykelet with glimmerite exocontacts. 12.21 - 12.33 : Aplitic albitite dykelet with rare mm-scale pink garnets, fine-grained muscovite and biotite, creamy patches of remnant k-spar, and glimmerite exocontacts.	1 3a 3a										

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-63

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
12.59	12.87	**ALBITITE** White to light grey, fine-grained, saccharoidal albite, occasional mm-scale pink garnets, fine black biotite and silver muscovite defining banding. Lower section contains creamy white to grey, sub-blocky patches of remnant k-spar. Thin glimmerite exocontacts. UCT is 60° TCA; LCT is 67° TCA	3a	28972	12.59	12.87	0.28	0.031	0.028	0.020	0.021	0.007	0.050
12.87	18.14	**AMPHIBOLITE** As previous; becoming finer-grained with depth. Local epidote (+/- chlorite) alteration zones. Local albitic dykelets. Foliation at 14m = 40° TCA Foliation at 17m = 45° TCA	1										
18.14	18.84	**PETALITE ALBITE** Heterogeneous; white-grey, fine- to coarse-grained, moderately banded. White web-textured petalite ("micro" web-texture -- looks broken down). Fine-grained, saccharoidal white albite matrix. Occasional megacrystic grey k-spar. Glassy grey ribbony quartz. Occasional fine black biotite, yellow mica, and silver muscovite scattered throughout. mm-scale pink garnets. Glimmerite exocontacts. UCT is 40° TCA; LCT is 38° TCA	6c	28973	18.14	18.84	0.70	0.570	0.025	0.045	0.137	0.012	0.156
18.84	44.50	**AMPHIBOLITE** Green, fine-grained, strongly foliated, fairly homogeneous. Local glimmerite horizons (~1cm) as well as rare bright purple holmquistite horizons (less than 1cm). Local pegmatite dykelets. 25.12 - 25.23 : Albitite dykelet. UCT is 38° TCA; LCT is 56° TCA 25.54 - 25.80 : Aplitic albitite with glimmerite horizons. 26.03 - 26.09 : Albitic dykelet with holmquistite horizons from 27.40-27.50, 32.74m, 35.23m, 35.97-36.10m, and 38.65m. UCT is 45° TCA; LCT is 50° TCA	1 3a 3a 3a											

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-63

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
18.84	44.50	**AMPHIBOLITE – cont'd**											
		33.00 - 33.06 : Albitite with glimmerite exocontacts. UCT is 48° TCA; LCT is 40° TCA	3a										
		33.34 - 33.48 : As previous. UCT is 50° TCA; LCT is 50° TCA	3a										
		33.56 - 33.74 : As previous plus cm-scale pink garnets and aqua-blue apatite. UCT is 62° TCA; LCT is 50° TCA	3a										
		33.89 - 33.95 : As at 33.00-33.06m. UCT is 45° TCA; LCT is 40° TCA	3a										
44.50	47.93	**LEPIDOLITE PETALITE ALBITE**	6d	28974	44.50	45.40	0.90	1.838	0.009	0.010	0.420	0.011	0.035
		Heterogeneous; white to greyish purple, fine- to coarse-grained, moderately to strongly banded. End zones are fine-grained, saccharoidal white-grey albitic material with minor petalite. Occasional mm-scale pink garnets, fine yellow mica and silver muscovite defining banding; occasional patches of yellow mica. Occasional glassy grey quartz pods/ribbons.		28975	45.40	46.69	1.29	1.335	0.014	0.008	0.426	0.015	0.026
				28976	46.69	47.93	1.24	2.026	0.011	0.012	0.406	0.012	0.055
		44.80 - 45.30 : local petalite-rich section (both milky white web-textured petalite and translucent grey crystals) in fine-grained albitic matrix with occasional grey-white, megacrystic k-spar. Glassy grey quartz pods/ribbons throughout. Fine- to medium-grained silver muscovite in patches and bands. Rare cm-scale pink garnets.											
		45.30 - 47.76 : lepidolite-rich section. Fine-grained, lilac purple lepidolite in fine-grained, saccharoidal white-grey albite. Fine silver muscovite throughout. Local web-textured petalite in places. Rare creamy white patches of remnant k-spar. Where translucent white petalite crystals occur, there is a noticeable increase in the concentration and size (cm-scale) of aqua-blue apatite (apatite is mm-scale elsewhere in dyke and less frequent). Occasional mm-scale pink garnets throughout. Local glimmerite horizons and exocontacts. Internal banding parallel to contacts. UCT is 50° TCA; LCT is 55° TCA											

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-63

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	FROM	TO	LENGTH	ASSAYS Li_2O%	Ta_2O_5%	Cs_2O%	Rb_2O%	Nb_2O_5%	SnO_2%
47.93	48.81	**AMPHIBOLITE** Green, fine-grained, strongly foliated with local dykelets. 47.98 - 48.00 : Aplitic albitite 48.27 - 48.43 : Aplitic albitite with glassy grey quartz pods/ribbons, fine-grained silver muscovite defining banding, and a 2.5cm wide glimmerite horizon. UCT is 58° TCA; LCT is 55° TCA	1 3a 3a										
48.81	50.05	**PETALITE ALBITE** Heterogeneous; white-grey, fine- to coarse-grained, moderately to strongly banded. Milky white web-textured petalite as well as translucent grey crystals (~2cm). Fine-grained, saccharoidal grey-white albite matrix. Local fine, lilac purple lepidolite defining banding. Common fine silver muscovite and black biotite defining banding throughout. Local glimmerite horizons. Occasional mm-scale aqua blue apatite, and mm-scale pink garnet. Occasional glassy grey quartz ribbons. Rare patches of yellow mica. Thin glimmerite exocontacts. UCT is 55° TCA; LCT is 60° TCA	6c	28977	48.81	50.05	1.24	2.060	0.019	0.023	0.240	0.011	0.185
50.05	50.71	**AMPHIBOLITE** As previous. 50.34 - 50.53 : PETALITE ALBITE -- as at 48.81-50.05m (no apatite). UCT is 52° TCA; LCT is 54° TCA	1 6c										
50.71	60.87	**LEPIDOLITE PETALITE ALBITE** Heterogeneous; grey more than purple with white and pink patches, fine- to coarse-grained, strongly banded. End zones (~25cm) consist of fine-grained, saccharoidal white albitite with glimmerite exocontacts. Fine black biotite and sliver muscovite define banding. Occasional mm-scale pink garnets, and glassy grey quartz pods/ribbons. Main dyke is dominantly fine lilac purple lepidolite and fine white, saccharoidal albite with silver muscovite. Occasional creamy white k-spar megacrysts (possibly petalite as well)	6d	28978	50.71	52.75	2.04	1.630	0.015	0.012	0.515	0.015	0.052
				28979	52.75	54.75	2.00	1.658	0.008	0.012	0.428	0.015	0.057
				28980	54.75	56.75	2.00	1.720	0.007	0.009	0.376	0.013	0.054
				28981	56.75	58.75	2.00	1.384	0.008	0.008	0.393	0.015	0.064
				28982	58.75	60.87	2.12	1.442	0.011	0.009	0.326	0.013	0.053

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-63

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
50.71	60.87	**LEPIDOLITE PETALITE ALBITE -- cont'd** with glassy grey quartz pods/ribbons surrounding them. Occasional pink patches of petalite (?). UCT is 52° TCA; LCT is 70° TCA											
60.87	73.03	**AMPHIBOLITE** Fine-grained, green, strongly foliated with local glimmerite horizons (<1cm), local epidote (+/- chlorite) altered areas (pillow selvedges?). Local aplitic albitite dykelets.	1										
		61.06 - 61.12 : Aplitic albitite with glimmerite exocontacts. UCT is 70° TCA; LCT is 70° TCA	3a										
		61.22 - 61.32 : As previous. UCT is 70° TCA; LCT is 65° TCA	3a										
		61.45 - 61.49 : As previous. UCT is 60° TCA; LCT is 65° TCA	3a										
		61.85 - 62.02 : PETALITE ALBITE -- heterogeneous; white-grey, fine- to medium-grained, moderately banded. Milky white web-textured petalite with fine-grained, saccharoidal white albite. Glassy grey quartz pods/ribbons, fine black biotite defining banding, cm- to mm-scale pinkish-orange garnets, and occasional yellow mica. Aplitic end zones with glimmerite exocontacts. UCT is 45° TCA; LCT is 78° TCA	6c										
		63.20 m: altered blob in amphibolite; chlorite +/- epidote, with bright purple holmquistite. Pyrrhotite blob and minor chalcopyrite.	1										
		63.26 - 63.29 : Aplitic albitite; fine-grained, saccharoidal white albite, cm-scale pink garnet, spars fine black biotite. Glimmerite exocontacts. UCT is 60° TCA; LCT is 71° TCA	3a										
		63.35 - 63.68 : PETALITE ALBITE -- creamy white web-textured petalite and translucent megacrysts (5cm or less), in fine-grained, saccharoidal white albite matrix. Glassy grey quartz pods, fine silver muscovite, cm-scale pink-orange garnet, fine black biotite in aplitic albitite end zones with glimmerite exocontacts. UCT is 65° TCA; LCT is 60° TCA	6c	28983	63.35	63.68	0.33	2.540	0.012	0.027	0.060	0.007	0.032
		63.88 - 64.02 : Albitite -- fine-grained, saccharoidal white albite at end	3a										

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-63

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
60.87	73.03	**AMPHIBOLITE -- cont'd**											
		zones, becoming medium-grained in centre. Minor fine biotite defining banding. Glimmerite exocontacts.											
		UCT is 58° TCA; LCT is 54° TCA											
		64.27 - 64.60 : Albitite -- As previous; rare mm-scale pink garnets, mm-scale aqua blue apatite. Local glimmerite horizons.	3a										
		UCT is 58° TCA; LCT is 55° TCA											
		64.90 - 64.95 : As at 64.27-64.60m; possible holmquistite associated with glimmerite exocontact. Glassy grey quartz pods.	3a										
		UCT is 55° TCA; LCT is 58° TCA											
		65.08 - 65.31 : As previous; minor yellow mica.	3a	28984	65.08	65.31	0.23	2.288	0.019	0.022	0.249	0.009	0.064
		UCT is 52° TCA; LCT is 58° TCA											
		65.64 - 65.80 : Aplitic albite end zones with a medium- to fine-grained albite centre. Creamy white patches of remnant k-spar, mm-scale aqua blue apatite, minor biotite, fine silver muscovite, glassy quartz, and glimmerite exocontacts.	3a										
		UCT is 36° TCA; LCT is 52° TCA											
		66.04 - 66.10 : As previous; mm- to cm-scale apatite (large grains in aplitic end zones).	3a										
		UCT is 50° TCA; LCT is 40° TCA											
		66.42 - 66.59 : As previous; creamy white web-textured petalite, cm-scale pinkish orange garnet, rare yellow mica.	3a										
		UCT is 42° TCA; LCT is 42° TCA											
		66.95 - 67.09 : Albitite with fine black biotite, glassy grey quartz pods/ ribbons, and glimmerite horizons and exocontacts.	3a										
		UCT is 48° TCA; LCT is 47° TCA											
		67.22 - 68.09 : Albitite -- aplitic white albitite end zones, fine- to medium-grained albite centre with mm-scale light orange garnets, occasional bands of yellow mica, and fine black biotite flecks. Glimmerite horizons at 67.73-67.85m and 68.04-68.07m.	3a	28985	67.53	67.73	0.20	2.039	0.013	0.017	0.318	0.010	0.069
		UCT is 52° TCA; LCT is 42° TCA											
		68.40 - 68.59 : Albitite -- as previous; mm-scale pink garnets, glimmerite exocontacts.	3a										
		UCT is 43° TCA; LCT is 46° TCA											
		69.25 - 69.94 : PETALITE ALBITE -- creamy white web-textured petalite and translucent crystals (~2cm), in fine-grained, sacchar-	6c	28986	69.25	69.94	0.69	2.504	0.004	0.016	0.398	0.009	0.028

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-63

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
60.87	73.03	**AMPHIBOLITE – cont'd**											
		oidal white albite. Glassy grey quartz pods/ribbons, fine black biotite defining banding, local yellow mica and silver muscovite. Mm-scale pink garnets. Glimmerite exocontacts. UCT is 33° TCA; LCT is 30° TCA											
		70.18 - 70.38 : Albitite -- fine-grained, saccharoidal white albite, fine black biotite defining banding, 1.5cm wide glimmerite horizon. UCT is 42° TCA; LCT is 35° TCA	3a										
		70.49 - 70.68 : *Albitite -- as previous; single large petalite megacryst, mm-scale pinkish orange garnet, mm-scale aqua blue apatite, glimmerite exocontacts.* UCT is 40° TCA; LCT is 40° TCA	3a										
		70.75 - 71.03 : Albitite -- as previous; minor black biotite, cm-scale pinkish orange garnet, glimmerite horizons and exocontacts. UCT is 48° TCA; LCT is 55° TCA	3a										
		71.57 - 71.80 : As previous; possible holmquistite associated with glimmerite exocontacts. UCT is 40° TCA; LCT is bashed	3a										
		72.31 - 72.39 : As previous. UCT is 38° TCA; LCT is 40° TCA	3a										
		72.48 - 72.89 : ALBITE PETALITE -- fine-grained, saccharoidal white albite, white web-textured petalite, cm-scale orange garnet. Fine black biotite and silver muscovite defining banding. Local yellow mica. Local glimmerite horizons and exocontacts. UCT is 45° TCA; LCT is 37° TCA	6c	28987	72.62	72.89	0.27	0.887	0.018	0.010	0.183	0.012	0.065
73.03	76.94	**LEPIDOLITE PETALITE ALBITE**	6d	28988	73.03	75.00	1.97	1.651	0.011	0.007	0.326	0.013	0.068
		Heterogeneous; white-grey to purple (pink), fine- to coarse-grained, moderately to strongly banded. End zones are composed of fine, saccharoidal white albite with minor fine yellow mica, black biotite, and silver muscovite. Cm-scale light orange garnets, local creamy white web-textured petalite, with glimmerite exocontacts.		28989	75.00	76.94	1.94	1.516	0.007	0.003	0.277	0.012	0.057
		73.50 - 75.45 : Medium- to fine-grained lilac purple lepidolite, and fine silver muscovite with occasional flecks of black biotite in a fine white-grey, saccharoidal albite matrix. Local white to light pink web-textured petalite, as well as local translucent											

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-63

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
73.03	76.94	**LEPIDOLITE PETALITE ALBITE -- cont'd** megacrysts. Megacrystic white k-spar. Occasional cm-scale light orange pink garnets. 75.45 - end zone (~15cm): Generally grey to creamy white, dominantly creamy white web-textured petalite with white k-spar megacrysts, and glassy grey quartz pods/ribbons. Fine silver muscovite defining banding, and local yellow mica. Local mm-scale light pink garnets, rare mm-scale hematite red patches; all in fine-grained, saccharoidal albite matrix. (possible megacrystic petalite.) UCT is 32° TCA; LCT is 46° TCA											
76.94	79.22	**AMPHIBOLITE** Fine-grained, green, strongly foliated with local glimmerite horizons (1cm or less). Multiple carbonate filled cross-cutting joint sets. Possible holmquistite horizons. 77.06 - 77.24 : Albitite -- white-grey, fine-grained, saccharoidal albite, local fine silver muscovite and rare yellow mica defining banding. Occasional mm-scale pink garnet, and creamy white patches of remnant k-spar. Glimmerite exocontacts. Pseudobreccia in lowest most 10cm (due to jointing). UCT is 50° TCA; LCT is 50° TCA	1										
79.22	79.82	**PETALITE ALBITE K-FELDSPAR** Heterogeneous; white-grey to pink, fine- to very coarse-grained, moderately banded. Milky white web-textured petalite and translucent grey-white megacrysts (3cm or less), in fine-grained, white-grey, saccharoidal albite matrix with megacrystic pink to white k-spar and broken down pink feldspathic material. Abundant fine- to medium-grained silver muscovite wrapping around megacrysts and into banding. Local concentrations of fine yellow mica. Glassy grey quartz pods/ribbons throughout. Minor Fe-staining coming from units below. LCT not well defined; runs into unit (granite) below without clear transition. UCT is 60° TCA	6c	28990	79.22	79.82	0.60	1.165	0.006	0.003	0.167	0.017	0.077

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-63

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION
79.82	80.79	**PEGMATITIC GRANITE** Heterogeneous; fine- to very coarse-grained, grey to slamony pink with a lot of Fe-staining (hematite red). Salmon pink megacrystic k-spar in siliceous matrix with abundant fine- to coarse-grianed silver muscovite surrounding megacrysts and defining banding. Glassy grey quartz ribbons throughout. Occasional cm-scale pink garnets. Unidentified light green mineral, 0.5cm wide with circular to roughly hexagonal cross section (possibly beryl, garnet, or apatite).
80.79	101.00	**AMPHIBOLITE** Black-green, fine-grained, strongly foliated with local contorted isoclinal microfolds. Occasional mafic-enriched patches with dark green and black, coarse-grained amphibole and cm-scale red garnet; local pyrite within plane of foliation. Abundant fine-grained magnetite from 93.90-99.30m.
	EOH	

	SAMPLES				ASSAYS					
UNIT	No.	FROM	TO	LENGTH	Li_2O%	Ta_2O_5%	Cs_2O%	Rb_2O%	Nb_2O_5%	SnO_2%
2	28991	79.82	80.79	0.97	0.210	0.004	0.002	0.287	0.014	0.068
1										

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY:	Separation Rapids	**LOCATION:**	**CLAIM #:**	**DOWNHOLE SURVEY:** Acid		**DRILLING COMPANY:**	Bradley Bros. Ltd.
HOLE NO.:	SR01-64	**LENGTH:** 109.42 m	**CORE SIZE:** NQ	DEPTH DIP AZM	DEPTH DIP AZM	**REMARKS:**	Core Storage: On site
PROJECT NO:	518	**NORTHING:** 0+62 S	**EASTING:** 2+75 W	50 m 45° -			
ELEVATION:	333.5m	**UTM Northing:** 5569043	**UTM Easting:** 388599	109 m 41° -		**CASING:**	3 metres - left in hole
COLLAR ORIENTATION (AZIMUTH / DIP)		**PLANNED:** 180°/-45°	**SURVEYED:** No			**LOGGED BY:** W.M. Carter	**LOGGED:** May 9, 2001
HOLE STARTED:	May 7, 2001	**FINISHED:** May 8, 2001	**MAG DECLINATION:** 2°18' E				**SHEET** 1 **OF** 7

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
0.00	2.40	**OVERBURDEN**	OB										
2.40	15.67	**AMPHIBOLITE** Black to slightly green, fine-grained, strongly foliated. Multiple cross cutting, carbonate filled joint sets. Occasional micro-folds; in some cases isoclinal. Few thin glimmerite horizons (</=5mm). Occasional Fe-staining along joint planes in upper 15.5m. Foliations: 5m = 30°, 14m = 20° 6.18 - 6.26 : ALBITITE - fine-grained, white-grey albite with black biotite flecks defining banding. Occasional Fe patches throughout. Glimmerite exocontacts.	1 3a										
15.67	16.25	**LEPIDOLITE ALBITE K-FELDSPAR** Heterogeneous; purple to pinkish-orange to grey, fine- to coarse-grained, moderately banded. Fine-grained, lilac purple lepidolite, with fine silver muscovite, and salmon pink k-spar megacrysts, in a white-grey, saccharoidal albite matrix. Occasional yellow-green mica, and glassy grey quartz pods/ribbons. Rare mm-scale aqua-blue apatite. Noticeable Fe-staining at upper contact and throughout. Both contacts bashed.	6d	28992	15.67	16.25	0.58	0.340	0.019	0.014	0.479	0.013	0.020
16.25	27.65	**AMPHIBOLITE** As previous; more green than black, local albitic/ siliceous horizons. Possible thin holmquistite horizons. Occasional isoclinal microfolds. Foliations: 20m = 30°, 26m = 35°	1										
27.65	41.10	**LEPIDOLITE ALBITE PETALITE** Heterogeneous; purple to white-grey to light sea	6d	28993	27.65	29.65	2.00	1.552	0.021	0.016	0.543	0.013	0.016
				28994	29.65	31.65	2.00	1.643	0.017	0.015	0.647	0.015	0.015

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-64

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	FROM	TO	LENGTH	ASSAYS Li_2O%	Ta_2O_5%	Cs_2O%	Rb_2O%	Nb_2O_5%	SnO_2%
27.65	41.10	**LEPIDOLITE ALBITE PETALITE -- cont'd**											
		green, fine- to coarse-grained, moderately to strongly banded. Fine-grained, lilac purple lepidolite, fine-grained, white-grey to sea-green , saccharoidal albite. White to rare pink, web-textured petalite, and translucent grey mega-crysts. Glassy grey quartz ribbons/pods, creamy white patches of remnant k-spar. Fine-grained silver muscovite, occassional yellow mica. Sporadic mm-scale aqua-blue apatite. Glimmerite horizon from 35.65-35.71m. Glimmerite exocontacts. Amphibolite screen from 36.75-37.20m; peg-matite, for 50cm on both sides of screen consists of fine-grained white to sea-green to yellow aplitic albite. UCT is 25° TCA; LCT is 30° TCA		28995	31.65	33.65	2.00	1.619	0.024	0.019	0.734	0.017	0.026
				28996	33.65	35.65	2.00	2.043	0.017	0.015	0.661	0.014	0.025
				28997	35.65	36.75	1.10	1.729	0.008	0.010	0.498	0.011	0.019
				1601	36.75	37.20	0.45	0.360	0.006	0.070	0.337	0.005	0.006
				28998	37.20	39.65	2.45	1.107	0.003	0.011	0.328	0.007	0.007
				28999	39.65	41.10	1.45	0.510	0.006	0.005	0.376	0.009	0.003
41.10	50.49	**ALBITE MUSCOVITE PETALITE**	6c	29000	41.10	43.10	2.00	0.312	0.004	0.007	0.485	0.014	0.013
		Heterogeneous; grey with white spots, fine- to coarse-grained, moderately to strongly banded. Fine-grained, grey-white, saccharoidal albite, with equally as much fine- to coarse-grained silver muscovite throughout. Local white, web-textured petalite, and grey translucent megacrysts. White to pink k-spar megacrysts. Rare fine yellow mica. Local mm-scale pink-red garnets near contact zones. Minor Fe-staining. LCT is 45° TCA		1602	43.10	45.10	2.00	0.306	0.006	0.007	0.405	0.017	0.020
				1603	45.10	47.10	2.00	0.291	0.005	0.008	0.385	0.018	0.027
				1604	47.10	49.10	2.00	0.178	0.007	0.012	0.302	0.015	0.020
				1605	49.10	50.49	1.39	0.160	0.006	0.006	0.253	0.015	0.016
50.49	51.75	**AMPHIBOLITE**	1										
		Fine-grained, green-black, strongly foliated. Local cross-cutting joints with carbonate infill.											
		51.10 - 51.12 : Fine- to medium-grained, white albite with local mm-scale red garnet, and sporadic flecks of fine black biotite. UCT is 25° TCA; LCT is 25° TCA	3a										
51.75	53.12	**ALBITE MUSCOVITE K-FELDSPAR**	3a	1606	51.75	53.12	1.37	0.206	0.007	0.007	0.326	0.023	0.032
		Homogeneous; grey with white and pink spots, fine- to coarse-grained, moderately to strongly banded. Abundant fine- to coarse-grained silver muscovite as dominant matrix mineral. Fine-grained, white-grey, saccharoidal albite.											

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-64

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
51.75	53.12	**ALBITE MUSCOVITE K-FELDSPAR – cont'd** Glassy grey quartz pods/ribbons, and partially digested pink k-spar. Occasional mm-scale red garnet. Rare fine yellow mica. Thin glimmerite exocontacts. UCT is 25° TCA; LCT is 35° TCA											
53.12	56.55	**AMPHIBOLITE** As previous; local pyrite on joint faces. 54.05 - 54.24 : Fine- to medium-grained white albite, and glassy grey quartz ribbons/pods, with fine black biotite defining the banding. Local mm-scale red garnets. Rare fine yellow mica. Glimmerite exocontacts. UCT is 48° TCA; LCT is 40° TCA	1 3a										
56.55	64.10	**ALBITE PETALITE MUSCOVITE K-FELDSPAR** Heterogeneous; grey to pinkish white, fine- to very coarse-grained, moderately to strongly banded. 56.55 - 57.66 : ALBITE MUSCOVITE - abundant silver muscovite (51.75-53.12m) with fine-grained, white-grey, saccharoidal albite. Common glassy grey quartz ribbons/pods, occasional creamy white patches of remnant k-spar. Cm- to mm-scale red garnets throughout. Rare yellow mica, occasional flecks of black biotite. UCT is very coarse-grained compared to main dyke (opposite of all prior relationships). 57.66 - 57.72 : Glimmerite horizon 57.72 - 60.80 : ALBITE K-SPAR MICA - fine-grained, pinkish white to grey, saccharoidal albite with light salmon pink k-spar megacrysts and remnant crystals. Common fine-grained yellow mica, noticeably less silver muscovite. Glassy grey quartz pods/ribbons. Local cm-scale pink-brown garnet with depth. Occasional Fe-staining in this section. 60.80 - 64.10 : PETALITE ALBITE - milky white to light pink web-textured petalite and occasional translucent grey megacrysts (</= 2cm), in fine-grained, white-grey, saccharoidal albite. Occasional k-spar megacrysts with glassy grey quartz pods/ribbons encompassing. Both fine-grained yellow mica and silver muscovite defining banding. Cm-scale pink-brown	6c 3a 6c	1607 1608 1609 1610	56.55 58.55 60.55 62.55	58.55 60.55 62.55 64.10	2.00 2.00 2.00 1.55	0.203 0.095 0.997 1.483	0.006 0.002 0.002 0.003	0.009 0.004 0.004 0.016	0.265 0.324 0.283 0.205	0.016 0.009 0.006 0.005	0.183 0.010 0.013 0.018

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-64

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
56.55	64.10	**ALBITE PETALITE MUSCOVITE K-FELDSPAR -- cont'd** garnet. UCT is 60° TCA; LCT is 50° TCA											
64.10	77.64	**AMPHIBOLITE** Fine-grained, green, strongly foliated. Local glimmerite horizons (</=1cm), rare purplish-blue holmquistite. Multiple carbonate-filled cross cutting joint sets.	1										
		66.05 - 66.36 : ALBITE K-SPAR - fine-grained, grey-white, saccharoidal albite matrix with creamy white patches of remnant k-spar megacrysts (</=2cm). Glassy grey quartz pods/ribbons throughout. Fine black biotite flecks. Rare cm-scale pink garnet. Overall mottled appearance. Glimmerite exocontacts UCT is 53° TCA; LCT is 45° TCA	3a	1611	66.05	66.36	0.31	0.050	0.011	0.009	0.052	0.006	0.050
		72.17 - 72.37 : ALBITITE - fine-grained, white-grey, saccharoidal albite, local creamy white patches of remnant k-spar, and glassy grey quartz pods/ribbons. Fine-grained yellow mica and silver muscovite defining foliation. Rare cm-scale pink-orange garnet. Glimmerite exocontacts. UCT is 50° TCA; LCT is 55° TCA	3a										
		76.00 - 76.58 : LEPIDOLITE ALBITE K-SPAR - fine-grained, white-grey, saccharoidal albite with fine-grained, lilac purple lepidolite in central dyke (~10cm from contacts). Occasional salmon pink, partially digested, k-spar megacrysts, with glassy grey quartz pods/ribbons. Fine yellow mica and silver muscovite, especially in contact zones. Bright green patches of unknown silicate mineral. Glimmerite exo-contacts. UCT is 50° TCA; LCT is 43° TCA	6d	1612	76.00	76.58	0.58	0.934	0.003	0.009	0.458	0.008	0.030
77.64	79.56	**ALBITE PETALITE** Heterogeneous; grey-white to light pink, fine- to coarse-grained, moderately to strongly banded. Fine-grained, grey-white, saccharoidal albite. Creamy white to light pink, web-textured petalite; rare translucent crystals (</=2cm). Rare creamy white patches of remnant k-spar, and occasional pods/ribbons of glassy grey quartz. Cm-scale light pink-	6c	1613	77.64	79.56	1.92	1.005	0.006	0.014	0.221	0.005	0.027

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-64

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	FROM	TO	LENGTH	ASSAYS Li_2O%	Ta_2O_5%	Cs_2O%	Rb_2O%	Nb_2O_5%	SnO_2%
77.64	79.56	**ALBITE PETALITE – cont'd** orange garnets throughout. Occasional fine yellow mica, and rare silver muscovite, defining banding. Glimmerite horizon *from 79.29-79.35m; rare Fe-staining just above this* horizon. Glimmerite exocontacts. UCT is 25° TCA; LCT is 42° TCA											
79.56	80.00	**AMPHIBOLITE** As previous.	1										
80.00	90.66	**ALBITE MICA PETALITE** Homogeneous with local variations; grey with white patches fine- to very coarse-grained, moderately to strongly banded. White-grey, fine-grained, saccharoidal albite and fine- to medium-grained silver muscovite as dominant phases. Occasional white-grey, translucent petalite megacrysts; more commonly white k-spar megacrysts with glassy grey quartz pods/ribbons. Sporadic fine yellow mica. Rare red-pink, mm-scale garnets in contact zones. Rare bright green unknown mineral (as mentioned at 76.00-76.58m). Also, 2 snot-green minerals; one is definitely web-textured petalite, the other unknown. Glimmerite exocontacts. 0.35m of missing core. UCT is 48° TCA; LCT is 50° TCA	6c	1614	80.00	82.00	2.00	0.200	0.005	0.006	0.352	0.018	0.024
				1615	82.00	84.00	2.00	0.312	0.005	0.007	0.377	0.018	0.023
				1616	84.00	86.00	2.00	0.334	0.005	0.008	0.494	0.019	0.029
				1617	86.00	88.00	2.00	0.493	0.007	0.011	0.466	0.018	0.023
				1618	88.00	90.66	2.66	0.301	0.005	0.010	0.453	0.016	0.020
90.66	91.92	**AMPHIBOLITE** Green, fine-grained, strongly foliated with local glimmerite horizons (</=5mm).	1										
91.92	92.30	**ALBITE PETALITE** White-grey, fine-grained, saccharoidal albite matrix with translucent grey petalite crystals (</=2cm), and glassy grey quartz pods/ribbons. Creamy white patches of remnant k-spar. Sporadic fleck of mica throughout. Common mm-scale pink-orange garnet. Glimmerite exo-contacts. UCT is 50° TCA; LCT is 43° TCA	6c	1619	91.92	92.30	0.38	0.114	0.009	0.023	0.036	0.004	0.050

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-64

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
92.30	92.96	**AMPHIBOLITE** As previous; local dark purplish-blue holmquistite horizons (</=1cm). 92.55 - 92.62 : ALBITITE - fine-grained, white, saccharoidal albite with ribbony glassy grey quartz, and fine black biotite defining banding. Sporadic cm-scale pink garnet. Glimmerite exo-contacts. UCT is 55° TCA; LCT is 50° TCA 92.84 - 92.88 : As previous; no garnet. Glimmerite exocontact extends from 92.76-92.84m.	1 3a 3a										
92.96	93.42	**ALBITE PETALITE** Fine-grained, white, saccharoidal albite with creamy white web-textured petalite. Local creamy white patches of remnant k-spar, and glassy grey quartz pods/ribbons. Minor translucent grey petalite crystals (</=2cm). Occas-ional yellow mica and silver muscovite defining banding. Sporadic mm-scale pink-orange garnets. Glimmerite exo-contacts. UCT is 40° TCA; LCT is 60° TCA	6c	1620	92.96	93.42	0.46	1.501	0.005	0.009	0.116	0.004	0.017
93.42	94.90	**AMPHIBOLITE** Green, fine-grained, strongly foliated. Multiple sets of cross cutting, carbonate filled joints. Local glimmerite and holmquistite horizons. 93.79 - 93.82 : ALBITITE - with glimmerite and holmquistite exocontacts. UCT is 50° TCA; LCT is 50° TCA 94.25 - 94.38 : ALBITITE - with 1cm wide glassy grey quartz vein cutting across foliation. Fine silver muscovite and rare yellow mica. Glimmerite exocontacts. UCT is 42° TCA; LCT is 43° TCA	1 3a 3a										
94.90	95.37	**LEPIDOLITE ALBITE PETALITE** White-grey, fine-grained, saccharoidal albite with fine-grained lilac purple lepidolite, and occasional patches of milky white web-textured petalite. Glassy grey quartz pods/	6d	1621	94.90	95.37	0.47	0.820	0.006	0.024	0.342	0.009	0.027

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-64

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT
94.90	95.37	**LEPIDOLITE ALBITE PETALITE -- cont'd** ribbons, rare patches of creamy white remnant k-spar. Fine grained silver muscovite, and occasional yellow mica and black biotite. Occasional mm-scale orange-pink garnet. Glimmerite exocontacts. LCT is less defined ("micro-mullion") than the usual sharp contacts observed. UCT is 47° TCA; LCT is 10° TCA	
95.37	109.42	**AMPHIBOLITE** As previous; aplitic albitite dykelets throughout.	1
		95.78 - 95.91 : ALBITITE - white, fine-grained, saccharoidal albite. Possible translucent grey petalite (may be qtz). Local fine yellow mica and silver muscovite. Sporadic mm-scale pink garnet. Glimmerite exocontacts. UCT is 47° TCA; LCT is 38° TCA	3a
		96.49 - 96.79 : As previous. UCT is 30° TCA; LCT is 40° TCA	3a
		97.88 - 98.11 : As previous; no yellow mica. UCT is 43° TCA; LCT is 40° TCA	3a
		97.92 - 98.00 : Same as 97.88-98.11m. UCT is 46° TCA; LCT is 47° TCA	3a
	EOH		

SAMPLES No.	FROM	TO	LENGTH	ASSAYS Li_2O%	Ta_2O_5%	Cs_2O%	Rb_2O%	Nb_2O_5%	SnO_2%
1622	96.49	96.79	0.30	1.522	0.017	0.026	0.071	0.004	0.022

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY:	Separation Rapids	**LOCATION:** Great White North	**CLAIM #:**	**DOWNHOLE SURVEY:** Acid		**DRILLING COMPANY:**	Bradley Bros. Ltd.
HOLE NO.:	SR01-65	**LENGTH:** 106.60 m	**CORE SIZE:** NQ	DEPTH DIP AZM	DEPTH DIP AZM	**REMARKS:**	Core Storage: On site
PROJECT NO:	518	**NORTHING:** 0+87 S	**EASTING:** 2+25 W	50 m 43° -			
ELEVATION:	330m	**UTM Northing:** 5569015	**UTM Easting:** 388649	101 m 40° -		**CASING:**	16 metres - left in hole
COLLAR ORIENTATION (AZIMUTH / DIP)		**PLANNED:** 180°/-45°	**SURVEYED:** No			**LOGGED BY:**	W.M. Carter **LOGGED:** May 10, 2001
HOLE STARTED:	May 9, 2001	**FINISHED:** May 10, 2001	**MAG DECLINATION:** 2°18' E				**SHEET** 1 **OF** 6

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
0.00	16.11	**OVERBURDEN**	OB										
16.11	18.67	**AMPHIBOLITE** Dark green, fine- to medium-grained, strongly foliated. Multiple cross cutting, carbonate filled joint sets. Fe-staining along joint planes only in upper most section. Local aplitic albitite dykelets (</= 2cm) with thin glimmerite exocontacts. 17.48 - 17.61 : coarse-grained, recrystallized quartz vein. UCT is 68° TCA; LCT is 58° TCA	1										
18.67	26.37	**LEPIDOLITE PETALITE ALBITE** Heterogeneous; purple and white to green, yellow and salmon pink, fine- to coarse-grained, moderately to strongly banded. Upper 12cm is very granitic (may be unidentified contact) with salmon pink k-spar megacrysts and glassy grey quartz. Main dyke contains fine-grained, lilac purple lepidolite, fine-grained, white-grey, saccharoidal albite, with local white-grey to light green, yellow, and pink, web-textured petalite. Local fine-grained silver muscovite (most commonly near outer margins) defining banding, creamy white patches of remnant k-spar, and local glassy grey quartz pods/ribbons. Possible translucent grey petalite megacrysts (</= 2cm). Local Fe-staining as mm-scale patches/haloes. Occasional mm- to cm-scale aqua blue apatite throughout. Glimmerite exocontacts. Internal banding parallel contacts. UCT is 35° TCA; LCT is 40° TCA	6d	1623	18.67	20.67	2.00	1.804	0.013	0.009	0.631	0.012	0.006
				1624	20.67	22.67	2.00	1.604	0.009	0.009	0.507	0.011	0.011
				1625	22.67	24.67	2.00	1.993	0.009	0.010	0.502	0.011	0.030
				1626	24.67	26.37	1.70	1.544	0.016	0.013	0.479	0.011	0.009
26.37	28.92	**AMPHIBOLITE** As previous; local coarse-grained, recrystallized	1										

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-65

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
26.37	28.92	**AMPHIBOLITE – cont'd** quartz (+/- albite) with minor glimmerite exocontacts. Abundant magnetite from 28.20-28.50m.											
28.92	31.05	**LEPIDOLITE PETALITE ALBITE** Same as previous. UCT is 32° TCA; LCT is 40° TCA	6d	1627	28.92	31.05	2.13	1.541	0.019	0.015	0.467	0.010	0.013
31.05	36.80	**AMPHIBOLITE** As previous; local glimmerite horizons with minor holmquistite. Slightly magnetic in places, but definitely less than previous. Local pegmatitic dykelets:	1										
		33.23 - 33.29 : Albitite - fine-grained, white-grey, saccharoidal albite, glassy grey quartz pods/ribbons, creamy white patches of remnant k-spar, and local fine-grained silver muscovite defining the foliation. Possible patch of light green, web-textured petalite. Glimmerite exocontacts. UCT is 40° TCA; LCT is 40° TCA	3a										
		33.91 - 34.19 : ALBITE K-SPAR - fine-grained, white-grey, saccharoidal albite, creamy white to light pink partially digested k-spar megacrysts, local glassy grey quartz pods/ribbons. Minor fine yellow mica. Fine-grained silver muscovite defines the banding. Local glimmerite horizons and exocontacts. UCT is 40° TCA; LCT is 30° TCA	3a										
36.80	40.35	**LEPIDOLITE PETALITE ALBITE** Heterogeneous; purple to pink, to white-grey, fine- to coarse-grained, moderately to strongly banded. Fine-grained, white-grey, saccharoidal albite with fine lilac purple lepidolite, and white to pink, web-textured petalite, as well as translucent grey crystals (</= 5cm). Occasional glassy grey quartz pods/ribbons, especially near white-grey k-spar megacrysts. Fine- to medium-grained silver muscovite horizons and streaks defining the banding. Minor cm-scale orange garnets, rare mm-scale aqua blue apatite. Occasional fine black biotite flecks and abundant yellow mica in contact zones. Glimmerite exocontacts. UCT is 30° TCA; LCT is 55° TCA	6d	1628	36.80	38.55	1.75	0.435	0.004	0.006	0.431	0.009	0.023
				1629	38.55	40.35	1.80	1.664	0.002	0.001	0.284	0.006	0.011

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-65

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
40.35	41.18	**AMPHIBOLITE** Fine- to medium-grained, green, strongly foliated. Occassional carbonate filled joint. Local aplitic albitite dykelets with associated glimmerite exocontacts.	1										
41.18	44.27	**LEPIDOLITE PETALITE ALBITE** Same as previous; local Fe-stained patches. Abundant milky white to light pink petalite from 42.70-43.20m and in contact zones (~15cm). Garnet is more common, k-spars are pink to white, local fine black biotite flecks. Glimmerite exocontacts. UCT is 34° TCA; LCT is 47° TCA	6d	1630	41.18	42.70	1.52	1.535	0.005	0.006	0.465	0.010	0.012
				1631	42.70	44.27	1.57	1.767	0.003	0.004	0.175	0.006	0.038
44.27	56.96	**AMPHIBOLITE** Fine-grained, dark green-black to grey, strongly foliated. Occassional glimmerite horizons with minor holmquistite. Cross cutting joints not so prevalent. Abundant magnetite from 48.20-50.30m. Local pyrrhotite throughout section, but definitely more abundant in magnetite horizon (IF).	1										
56.96	58.06	**ALBITE PETALITE** Heterogeneous; white-grey to green-yellow, fine- to coarse-grained, moderately to strongly banded. Fine-grained, white-grey, saccharoidal albite, with milky white, web-textured petalite, as well as translucent grey crystals (</= 5cm). Local fine-grained yellow mica and silver muscovite defining the banding. Cm-scale pink garnets throughout. Glassy grey quartz pods/ribbons, and rare creamy white patches of remnant k-sapr. Glimmerite exocontacts. UCT is 44° TCA; LCT is 50° TCA	6c	1632	56.96	58.06	1.10	1.826	0.004	0.008	0.230	0.007	0.015
58.06	60.34	**AMPHIBOLITE** Fine-grained, green, strongly foliated. Local glimmerite with minor holmquistite horizons. Relatively few joints, with carbonate infill.	1										

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-65

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
60.34	61.76	**LEPIDOLITE PETALITE ALBITE** Heterogeneous; white-grey to purple, fine- to coarse-grained, moderately to strongly banded. Fine-grained, white grey, saccharoidal albite, with creamy white, web-textured petalite, and a few translucent grey crystals (</= 2cm). Fine-grained, lilac purple lepidolite in central dyke, otherwise fine yellow mica and silver muscovite defining banding. Occasional creamy white patches of remnant k-spar, and glassy grey quartz pods/ribbons. Rare cm-scale pink-orange garnets. Glimmerite exocontacts. UCT is 45° TCA; LCT is 40° TCA	6d	1633	60.34	61.76	1.42	0.790	0.007	0.006	0.299	0.007	0.020
61.76	72.54	**AMPHIBOLITE** As previous; pegmatitic dykelets as follows: 68.58 - 68.74 : ALBITE PETALITE - fine-grained, white-grey, saccharoidal albite, possible translucent grey petalite crystals (</= 3cm); if not petalite, then quartz. Local green petalite patches. Occasional creamy white patches of remnant k-spar. Rare mm-scale pink garnet. Glimmerite and fine black biotite defining banding. Glimmerite exo-contacts. UCT is 57° TCA; LCT is 52° TCA 69.54 - 69.60 : ALBITITE - with minor yellow mica and glimmerite exo-contacts. UCT is 61° TCA; LCT is 64° TCA 70.07 - 71.00 : LEPIDOLITE PETALITE ALBITE - white-grey, fine-grained, saccharoidal albite, fine lilac purple lepidolite in central dyke, occasional white-grey, translucent petalite crystals (</=2cm). Creamy white patches of remnant k-spar, occasional glassy grey quartz pods/ribbons. Local fine yellow mica, and glimmerite horizons. Glimmerite exo-contacts. UCT is 50° TCA; LCT is 47° TCA 71.18 - 71.28 : ALBITITE - white-grey, fine-grained, saccharoidal albite. Local fine black biotite defining banding. Possible deep blue, mm-scale apatite. Possible cassiterite. Glimmerite	1 6c 3a 6d 3a	1634	70.07	70.90	0.83	0.992	0.012	0.030	0.135	0.005	0.027

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-65

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
61.76	72.54	**AMPHIBOLITE – cont'd** exocontacts. UCT is 50° TCA; LCT is 55° TCA											
		72.20 - 72.31 : ALBITITE - white-grey, fine-grained, saccharoidal albite, glassy grey quartz pods/ribbons, local fine yellow mica and black biotite. Rare mm-scale pink garnets. Glimmerite exocontacts. UCT is 46° TCA; LCT is 60° TCA	3a										
72.54	74.44	**ALBITE PETALITE** Heterogeneous; white-grey, fine- to coarse-grained, moderately to strongly banded. Fine-grained, white-grey, saccharoidal albite with translucent grey petalite crystals (</=3cm). Occasional fine yellow mica and silver muscovite defining the banding. Local mm-scale pink garnets. Rare glassy grey quartz pods and creamy white patches of remnant k-spar. Glimmerite exocontacts. UCT is 50° TCA; LCT is 51° TCA	6c	1635	72.54	74.44	1.90	1.386	0.005	0.009	0.260	0.007	0.030
74.44	81.01	**AMPHIBOLITE** As previous. Local aplitic albitite dykelets as follows (all contain fine white-grey, saccharoidal albite, creamy white patches of remnant k-spar, occasional mica defining banding, and glimmerite exocontacts.):	1										
		74.21 - 74.26 : UCT is 50° TCA; LCT is 55° TCA	3a										
		75.06 - 75.12 : UCT is 40° TCA; LCT is 32° TCA	3a										
		77.06 - 77.15 : UCT is 58° TCA; LCT is 44° TCA	3a										
		79.63 - 79.82 : UCT is 50° TCA; LCT is 49° TCA	3a	1636	79.63	79.82	0.19	0.045	0.040	0.064	0.065	0.009	0.003
81.01	81.69	**LEPIDOLITE PETALITE ALBITE** Heterogeneous; white-grey to purple, fine- to coarse-grained, moderately to strongly banded. White-grey, fine-grained, saccharoidal albite with milky white, web-textured petalite, as well as translucent grey crystals (</=3cm). Fine-grained, lilac purple lepidolite only in central dyke. Occasional fine yellow mica and silver muscovite. Occasional creamy white patches of remnant k-spar and	6d	1637	81.01	81.69	0.68	1.270	0.004	0.027	0.354	0.008	0.015

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-65

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
81.01	81.69	**LEPIDOLITE PETALITE ALBITE -- cont'd** glassy grey quartz pods/ribbons. Glimmerite exocontacts. UCT is 68° TCA; LCT is 52° TCA											
81.69	106.60	**AMPHIBOLITE** Fine-grained, green, strongly foliated. Local glimmerite and holmquistite horizons. Multiple carbonate filled, cross cutting joint sets. Common aplitic albitite dykelets. Noticeably coarser grained from 95.15-95.27m and 98.00-98.88m.	1										
		82.59 - 82.79 : ALBITE K-SPAR QUARTZ (+/- PETALITE) - white-grey, fine-grained, saccharoidal albite, creamy white patches of remnant k-spar, glassy grey quartz pods/ribbons. Occasional fine black biotite flecks. Local mm-scale aqua-blue apatite. Glimmerite exocontacts. UCT is 61° TCA; LCT is 50° TCA	3a	1638	82.59	82.79	0.20	0.629	0.034	0.162	0.091	0.006	0.018
		83.87 - 83.95 : As previous; local mm-scale pink garnet. Bright green unknown mineral filling fractures (not apatite). UCT is 56° TCA; LCT is 50° TCA	3a										
		84.71 - 85.18 : As previous; local glimmerite horizons ~3cm wide. No apatite. Glimmerite exocontacts. UCT is 50° TCA; LCT is 50° TCA	3a	1639	84.71	85.18	0.47	0.291	0.022	0.278	0.520	0.013	0.015
		86.58 - 86.67 :As previous; no apatite, local cm-scale pink garnets. UCT is 72° TCA; LCT is 50° TCA	3a										
		89.59 - 89.64 : Albite, pink k-spar, quartz ribbons, fine black biotite flecks, glimmerite exocontacts. UCT is 51° TCA; LCT is 53° TCA	3a										
		96.20 - 96.31 : As previous; cm-scale pink garnets. UCT is 58° TCA; LCT is 43° TCA	3a										
		97.45 - 97.67 : Interlocking albite, k-spar and quartz (all medium-grained), local fine black biotite, occasional sulphide with Fe-haloes UCT is 55° TCA; LCT is 50° TCA	3a	1640	97.45	97.67	0.22	0.093	0.008	0.109	0.156	0.005	0.015
		99.63 - 99.77 : As previous; mm-scale pink garnets. UCT is 40° TCA; LCT is 50° TCA	3a										
		99.88 - 99.98 : As previous; UCT is 50° TCA; LCT is 50° TCA	3a										
		102.70 - 102.85 : As previous; UCT is 48° TCA; LCT is 52° TCA	3a										
	EOH												

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY:	Separation Rapids	**LOCATION:** Great White North	**CLAIM #:**	**DOWNHOLE SURVEY:** Acid		**DRILLING COMPANY:**	Bradley Bros. Ltd.
HOLE NO.:	SR01-66	**LENGTH:** 68.00 m	**CORE SIZE:** NQ	DEPTH DIP AZM	DEPTH DIP AZM	**REMARKS:**	Core Storage: On site
PROJECT NO:	518	**NORTHING:** 1+55 S	**EASTING:** 2+25 W	68 m 45° -			
ELEVATION:	331m	**UTM Northing:** 5568948	**UTM Easting:** 388652			**CASING:**	22 metres - pulled
COLLAR ORIENTATION (AZIMUTH / DIP)		**PLANNED:** 180°/-45°	**SURVEYED:** No			**LOGGED BY:**	W.M. Carter **LOGGED:** May 11, 2001
HOLE STARTED:	May 10, 2001	**FINISHED:** May 11, 2001	**MAG DECLINATION:** 2°18' E				**SHEET** 1 **OF** 5

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	FROM	TO	LENGTH	ASSAYS Li_2O%	Ta_2O_5%	Cs_2O%	Rb_2O%	Nb_2O_5%	SnO_2%
0.00	22.28	**OVERBURDEN**	OB										
22.28	27.47	**PETALITE ALBITE (LEPIDOLITE)** Heterogeneous; fine- to coarse-grained, white-grey to dull pinkish-purple, moderately to strongly banded. Fine-grained, white-grey, saccharoidal albite with abundant fine- to coarse-grained silver muscovite. Occasional grey-white k-spar mega-crysts and glassy grey quartz pods/ribbons. Milky white, web-textured petalite intermittently throughout, and occasional translucent grey crystals. Rare light sea-green, web-textured petalite. Rare light peachy-brown altered k-spar patches. Occasional fine black biotite flecks. Minor lilac purple lepidolite concentrated near the centre of the dyke. Rare mm-scale pink garnets near LCT. Occasional rusty patches, as well as hematite-red patches. Glimmerite exocontacts. UCT not intersected; LCT is 35° TCA	6c	1641	22.28	24.00	1.72	1.324	0.006	0.014	0.288	0.014	0.041
				1642	24.00	25.75	1.75	1.494	0.005	0.013	0.312	0.010	0.013
				1643	25.75	27.47	1.72	1.483	0.003	0.004	0.164	0.005	0.055
27.47	28.68	**AMPHIBOLITE** Dark green, fine- to medium-grained, strongly foliated. Occasional cross cutting, carbonate filled joint sets. Local aplitic albitite dykelets.	1										
28.68	31.45	**PETALITE LEPIDOLITE ALBITE** Heterogeneous; fine- to coarse-grained, creamy white-grey to dull purple, moderately to strongly banded. Aplitic albitic end zones progressing into milky white, web-textured petalite zones with fine sliver muscovite defining the foliation. K-spar and translucent grey petalite megacrysts (</= 3cm). Glassy grey quartz ribbons/pods. Occasional	6d	1644	28.68	30.00	1.32	1.449	0.005	0.010	0.269	0.009	0.091
				1645	30.00	31.45	1.45	1.091	0.007	0.010	0.316	0.012	0.022

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-66

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
28.68	31.45	**PETALITE LEPIDOLITE ALBITE -- cont'd** flecks of hematite-red material. Central region is dominant-ed by fine-grained, lilac purple lepidolite in and albite, qtz, petalite matrix. Rare green-yellow, web-textured petalite. Rare bright malachite-green unknown mineral. Occasional fine black biotite flecks. Glimmerite exocontacts. UCT is 32° TCA; LCT is 43° TCA											
31.45	36.81	**AMPHIBOLITE** As previous; with local aplititc albitite dykelets (not mentioned if </= 2cm).	1										
		32.06 - 32.10 : ALBITE K-SPAR QUARTZ - white-grey, fine-grained, sacc-haroidal albite, creamy white patches of remnant k-spar, and glassy grey quartz ribbons/pods. Glimmerite and minor holmquistite exocontacts. UCT is 45° TCA; LCT is 44° TCA	3a										
		32.75 - 33.00 : PETALITE ALBITE K-SPAR QUARTZ - as previous plus milky white, web-textured petalite, and cm-scale pink garnets. Local rusty patches. Glimmerite exocontacts. UCT is 50° TCA; LCT is 50° TCA	6c	1646	32.75	33.00	0.25	1.143	0.013	0.035	0.119	0.007	0.041
		33.09 - 33.16 : Same as 32.06-32.10m; no holmquistite. UCT is 52° TCA; LCT is 44° TCA	3a										
		33.43 - 33.76 : Same as 32.75-33.00m; plus mm-scale pink garnet, rare fine-grained yellow mica, and 2-4cm internal glimmerite horizons. UCT is 40° TCA; LCT is 80° TCA	6c										
		34.06 - 34.25 : Same as 32.06-32.10m; internal glimmerite horizons. UCT is 70° TCA; LCT is 30° TCA	3a										
		34.80 - 34.91 : Same as 32.06-32.10m; no holmquistite. UCT is 60° TCA; LCT is 65° TCA	3a										
		35.70 - 35.95 : Same as previous; plus cm-scale pink-red garnets, and abundant fine black biotite flecks defining foliation. UCT is 47° TCA; LCT is 45° TCA	3a	1647	35.70	35.95	0.25	0.032	0.003	0.006	0.024	0.006	0.052

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-66

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
36.81	38.75	**ALBITE megacrystic K-FELDSPAR MICA (PETALITE)** Heterogeneous; medium- to very coarse-grained, white-grey to pink and yellow, banding difficult to discern at scale. Fine- to medium-grained, white-grey albite. Megacrystic white to grey-pink feldpar, and large glassy grey quartz pods. Possible petalite. Very large silver muscovite books throughout. Occasional cm-scale pink garnets. Rare cassiterite (<1cm at 38.01m). Occasional fine-grained yellow mica. Glimmerite exocontacts. UCT is 57° TCA; LCT is 25° TCA	4?	1648	36.81	38.75	1.94	0.096	0.006	0.006	0.118	0.010	0.012
38.75	40.75	**AMPHIBOLITE** Dark green, fin-grained, strongly foliated. Multiple cross cutting, carbonate filled joint sets. Local albitic dykelets (< 5cm) with glimmerite exocontacts.	1										
40.75	41.96	**ALBITE K-FELDSPAR QUARTZ (MICA)** Heterogeneous; grey-white to Fe-pink, fine- to coarse-grained, moderately to strongly banded. Fine-grained, white-grey, saccharoidal albite with medium-grained, grey-white patches of remnant k-spar, as well as the occasional grey megacryst. Glassy grey quartz pods, and relatively abundant fine- to medium-grained silver muscovite books throughout. Local mm-scale pink garnet. Rare fine yellow mica. Hematite-red Fe-staining locally throughout, but most noticeably at end zones. Glimmerite exocontacts. Glimmerite and holmquistite from 40.84-40.93m. UCT is 40° TCA; LCT is 42° TCA	3a	1649	40.93	41.96	1.03	0.071	0.004	0.003	0.094	0.012	0.002
41.96	68.00	**AMPHIBOLITE** As previous; local glimmerite horizons with less holmquistite. Occasional contorted folds with chlorite +/- epidote + feldspathic material. Local sulphide blebs (py + po). 50.36 - 50.60 : Broken core; water seam. Core below has much greater concentration of cross joints until ~52m. Local pegmatitc dykelets:	1										

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-66

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
41.96	68.00	**AMPHIBOLITE – cont'd**											
		42.92 - 44.00 : ALBITE K-SPAR QUARTZ MICA - heterogeneous, moderately to strongly banded. Fine-grained, white-grey, saccharoidal albite with creamy white to pink remnant k-spar megacrysts, and glassy grey quartz pods/ribbons. Abundant fine silver muscovite defining the banding, and local yellow mica. Cm- to mm-scale pink garnets. Glimmerite exocontacts. UCT is 50° TCA; LCT is 54° TCA	3a	1650	43.49	44.00	0.51	0.031	0.003	0.003	0.080	0.008	0.004
		46.91 - 47.05 : Same as previous; no garnet or yellow mica. Less muscovite, no k-spar megacrysts (just patches). Rare sulphide veinlets. Possible remnant spodumene (snot-green altered material). Glimmerite exocontacts. UCT is 50° TCA; LCT is 60° TCA	3a										
		48.66 - 49.00 : Same as previous; plus mm-scale pink garnets, common fine black biotite defining banding. UCT is 45° TCA; LCT is 58° TCA	3a	1651	48.66	49.00	0.34	0.023	0.004	0.001	0.021	0.008	0.005
		49.28 - 49.56 : ALBITE QUARTZ K-FELDSPAR - fine-grained, white-grey saccharoidal albite, and large glassy grey quartz pods with minor creamy white patches of remnant k-spar. Common cm-scale pink garnets. Occasional fine black biotite flecks. Glimmerite exocontacts. UCT is 52° TCA; LCT is 59° TCA	3a										
		55.92 - 56.67 : ALBITE megacrystic K-SPAR QUARTZ - fine-grained, white to grey, sacharoidal albite with light pink, megacrystic k-spar, and ribbony glassy grey quartz. Common mm-scale pink garnet. Occasional fine black biotite, rare yellow mica, and occasional fine- to medium-grained silver muscovite patches. Glimmerite exocontacts. UCT is 59° TCA; LCT is 52° TCA	3a	1652	55.92	56.67	0.75	0.019	0.003	0.001	0.135	0.009	0.002
		57.09 - 57.33 : Same as 49.28-49.56m, with poddy to ribbony quartz, mm-scale pink garnets, rare biotite, and local sulphide in joints near LCT (py). Glimmerite exocontacts. UCT is 60° TCA; LCT is 40° TCA	3a										
		61.40 - 62.05 : ALBITE K-SPAR QUARTZ - heterogeneous; white-grey, fine-grained, saccharoidal albite and megacrystic, white-grey k-spar, with glassy grey quartz pods/ribbons. Local	3a	1653	61.40	62.05	0.65	0.011	0.003	0.001	0.123	0.005	0.000

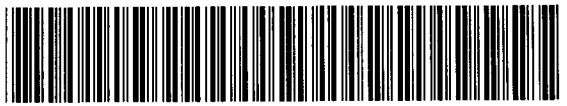
DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-66

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
41.96	68.00	**AMPHIBOLITE – cont'd** patches of fine-grained silver muscovite. Occasional cm-scale orange-pink garnet. Local fine black biotite flecks. Possible petalite? Occasional fine yellow mica. Pseudo-schleiren-texture at LCT. Glimmerite exocontacts. UCT is 43° TCA; LCT is42° TCA 66.20 - 66.64 : As 42.92-43.11m; rare yellow mica. UCT is 65°; LCT is 50°	3a	1654	66.20	66.64	0.44	0.010	0.007	0.002	0.063	0.012	0.001
	EOH												



52L07SE2012 2.23313 PATERSON LAKE 100

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY:	Separation Rapids	**LOCATION:** Lepidolite Dyke	**CLAIM #:**	**DOWNHOLE SURVEY:** Acid		**DRILLING COMPANY:**	Bradley Bros. Ltd.
HOLE NO.:	SR01-67	**LENGTH:** 101m	**CORE SIZE:** NQ	DEPTH DIP AZM	DEPTH DIP AZM	**REMARKS:**	Core Storage: On site
PROJECT NO:	518	**NORTHING:** 0+98S	**EASTING:** 2+00W	50m 45° -			
ELEVATION:	329m	**UTM Northing:** 5569012	**UTM Easting:** 388675	101m - -		**CASING:**	25 metres - left in hole
COLLAR ORIENTATION (AZIMUTH / DIP)		**PLANNED:** 180°/-45°	**SURVEYED:** No			**LOGGED BY:**	J.A. Morgan **LOGGED:** May 14/2001
HOLE STARTED:	11/05/01	**FINISHED:** 12/05/01	**MAG DECLINATION:** 2°18' E				**SHEET** 1 **OF** 8

METERAGE		DESCRIPTION		SAMPLES				ASSAYS					
FROM	TO		UNIT	No.	FROM	TO	LENGTH	Li_2O%	Ta_2O_5%	Cs_2O%	Rb_2O%	Nb_2O_5%	SnO_2%
0.00	23.50	**OVERBURDEN** Clay, boulders, and sand.	Ob										
23.50	25.55	**GABBRO** Dark green to black, medium to coarse grained, poorly to moderately foliated. Non-magnetic. Abundant holmquistite.	1a										
25.55	31.60	**LEPIDOLITE PETALITE ALBITE (QUARTZ) PEGMATITE** Composed predominantly of lavender lepidolite in an albitic matrix, with grey-white, web-textured petalite and smokey grey quartz. Lesser pink and translucent-grey petalite. The petalite, quartz, and albite are all stretched and drawn out along moderately to well developed foliation, often exhibiting small-scale pinch and swell textures. Petalite exhibits pseudo-schleiren textures. Local blue to blue-green apatite. Rusty orange-brown mineral occurring as small (1-2mm average) specks locally. Minor black, possible tantalum oxides. Dykes exhibit aplitic border zones containing white to green petalite (?), up to 45cm thick. Banding: 28.6m - 44° c.a., 31.0m - 42° c.a. Sharp contacts, concordant with host rock foliation. Upper contact at 31° to c.a. Lower contact at 20° to c.a.	6d	1655	25.55	27.91	2.36	1.380	0.021	0.035	0.671	0.015	0.014
				1656	28.23	29.60	1.37	1.681	0.025	0.025	0.573	0.014	0.017
				1657	30.71	31.60	0.89	0.784	0.036	0.021	0.592	0.015	0.018

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-67

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
		27.91 - 28.23: GABBRO Upper contact with pegmatite is irregular. Lower contact with pegmatite is undulating at 36° to c.a.	1a										
		29.60 - 30.71: GABBRO/GABBROIC AMPHIBOLITE As previous, but slightly finer grained. Upper contact with pegmatite 47° to c.a. Lower contact with pegmatite 38° to c.a.	1a										
31.60	39.10	**AMPHIBOLITE/GABBROIC AMPHIBOLITE** As previous, with some finer grained, 'normal' amphibolite sections. Local holmquistite. Moderately to well foliated. Glimmerite flecks throughout. Foliation: 33.2m - 46° c.a. 36.5m - 31° c.a.	1/1a										
		34.11 - 34.31: ALBITE (K-FELDSPAR QUARTZ) DYKELET Predominantly aplitic white to grey-white albite, with minor white K-feldspar and grey quartz. Minor apple green mineral, some of which may be altered petalite. Sharp contacts.	3a										
		36.81 - 37.00: ALBITE (K-FELDSPAR QUARTZ) DYKELET As previous.	3a										
		37.26 - 38.40: ALBITE LEPIDOLITE (K-FELDSPAR) PEGMATITE Composed of aplitic to saccharoidal white albite, with minor lepidolite and grey quartz. Minor very fine grained yellow mica. Minor orange-brown, rusted oxides near the upper contact. Sharp contacts, upper at 25° to c.a. Curved lower contact at moderate angles to the c.a.	3a/6c	1658	37.26	38.40	1.14	1.933	0.025	0.022	0.049	0.005	0.004

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-67

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	FROM	TO	LENGTH	ASSAYS Li_2O%	Ta_2O_5%	Cs_2O%	Rb_2O%	Nb_2O_5%	SnO_2%
39.10	40.35	**PETALITE LEPIDOLITE ALBITE (QUARTZ) PEGMATITE** Well-banded, greenish-grey to purple-white pegmatite. Composed of grey-white petalite, minor lepidolite (mainly within the lower half of the unit), and grey-white aplitic albite. Minor grey quartz blebs and rare blue apatite. Very fine grained yellow mica imparts a local yellow-green tinge on the core. Biotite rich screen at 39.50-39.55. Sharp contacts, parallel to host amphibolite foliation. Upper contact at 41° to c.a., lower contact wavy/undulating.	6c	1659	39.10	40.35	1.25	1.008	0.019	0.101	0.575	0.011	0.017
40.35	44.88	**AMPHIBOLITE/GABBROIC AMPHIBOLITE** As previous. Predominantly 'normal' amphibolite with some coarser grained 'gabbroic' sections. Moderately to well foliated. Pyrrhotite + chalcopyrite blebs at 40.60. Minor quartz veining, generally along the foliation. Foliation: 41m - 43° c.a. 43m - 44° c.a. 44.7m - 41° c.a.	1/1a											
		42.39 - 42.53: ALBITE (K-FELDSPAR) DYKELET Contains minor, very fine grained black opaques, most near the contacts. Sharp but irregular upper contact. Sharp lower contact at 45° to the c.a.	3a	1660	42.39	42.53	0.14	0.036	0.025	0.020	0.037	0.007	0.034
44.88	48.07	**PETALITE ALBITE (QUARTZ LEPIDOLITE) PEGMATITE** Composed of grey-white to translucent-grey, sometimes web-textured petalite, white aplitic albite, grey blebby quartz, and local lepidolite. The petalite and quartz are	6c	1661	44.88	45.78	0.90	0.545	0.002	0.004	0.206	0.004	0.007
				1662	46.74	48.07	1.33	0.870	0.008	0.005	0.217	0.007	0.025

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-67

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
		PETALITE ALBITE (QUARTZ LEPIDOLITE) PEGMATITE (continued)											
		usually stretched out into bands along the foliation. Minor, very fine grained yellow mica. Minor white K-spar, often as larger crystals. Local fine grained black opaques. Sharp contacts. Upper contact at 39° to c.a., lower contact at 48° to c.a.											
		45.78 - 46.74: GABBROIC AMPHIBOLITE Mafic screen, well foliated at 48 to the core axis. Sharp upper contact with the pegmatite at 49° to c.a. Sharp lower contact with the pegmatite at 46° to c.a.	1a										
48.07	58.17	**AMPHIBOLITE / IRON FORMATION**	1/IF										
		Fine grained, dark green to black, very well foliated amphibolite. Minor quartz veining, generally along the foliation planes. Local pyrite + pyrrhotite as stringers along the foliation (ex: 51.60, 51.75-51.85). Semi-massive bands of pyrite + non-magnetic, silvery pyrrhotite at 51.90-52.05. Semi-massive to massive magnetite + pyrite Iron Formation at 55.95-56.15. Foliation: 49.7m - 40° to c.a. 53m - 40° to c.a. 57.5m - 48° to c.a. 57.95m - 41° to c.a.											
		48.59 - 49.25: ALBITE DYKELET Irregular grey-white albite dykelet.	3a										
		57.67 - 57.77: ALBITE DYKELET	3a										

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-67

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
58.17	59.47	**ALBITE QUARTZ PEGMATITE** White albitic dyke with grey quartz blebs throughout. Semi-translucent grey quartz concentrated over the lower portion of the dyke. Minor biotite and grey-white K-feldspar. Biotite/glimmerite bands at: 58.74-58.77, 58.80-58.84, 58.88-58.91, 59.00-59.03 Sharp upper contact, concordant with host rock foliation at 42° to core axis. Irregular lower contact.	3a	1663	58.17	59.47	1.30	0.194	0.003	0.024	0.201	0.006	0.014
59.47	68.72	**AMPHIBOLITE** As previous. Contains some more massive looking, poorly foliated sections. Other sections are finely and well foliated. Minor quartz and carbonate veining. Irregular quartz veins and glimmerite alteration at 60.35-61.35. Foliation: 59.7m - 38° to c.a. 63m - 35° to c.a. 68m - 47° to c.a.	1											
		62.10 - 62.45: ALBITE QUARTZ (MICA) DYKE Composed of white albite and semi-translucent grey quartz blebs, typically 5-10 mm. Also minor, random biotite and rare pink garnet, typically less than 1mm. Minor black opaques.	3a	1664	62.10	62.45	0.35	0.044	0.003	0.011	0.052	0.005	0.037

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-67

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
68.72	70.48	**PETALITE ALBITE (MICA QUARTZ) PEGMATITE** Composed of coarse grained to megacrystic grey-white to white, often web-textured petalite and grey-white albite with abundant green mica, often occurring as bands along the foliation and surrounding the larger albite and petalite masses/crystals. Common but lesser grey quartz blebs throughout, typically 1cm in size. Rare pink garnet. Dark, rusty brown opaques at 69.50 (same as in SR01-59 at 169.00). Glimmerite exocontacts, upper about 1cm thick and lower 1-3cm thick. Sharp upper contact at 29° to c.a. Sharp, undulating lower contact at about 49° to c.a.	6c	1665	68.72	70.48	1.76	0.280	0.007	0.010	0.119	0.009	0.122
70.48	101.00	**AMPHIBOLITE** As previous. Some sections are moderately to well foliated, while others appear more massive and poorly foliated. Minor quartz veining, typically 1-2cm wide and along the foliation planes. Core exhibits a banded texture from 92.00 - 95.00. Foliation: 71m - 56° to c.a. 76m - 43° to c.a. 80m - 56° to c.a. 91m - 50° to c.a. 94m - 49° to c.a. 97m - 41° to c.a. 100.40m - 42° to c.a.	1										
		71.12 - 71.36: K-FELDSPAR ALBITE DYKELET Grey-white albite + K-feldspar dykelet with abundant tabular brown oxides, up to 1cm long. Minor pink garnet and biotite. Sharp lower contact at 51° to c.a. Other dykelets at: 72.47 - 72.75, 76.76 - 76.94	3b	1666	71.12	71.36	0.24	0.064	0.008	0.015	0.042	0.012	1.259

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-67

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
		78.90 - 79.35: PETALITE ALBITE (LEPIDOLITE) DYKE Composed predominantly of aplitic white albite and white petalite, which often exhibits poorly developed web-texture. Also minor lepidolite, yellow-green mica, and a creamy peach colored mineral which occurs as non-crystalline masses 79.49. Minor grey quartz blebs near the upper contact. Sharp contacts, upper contact at 49° to c.a., and lower contact at 45° to c.a.	6a	1667	78.90	79.35	0.45	0.861	0.004	0.014	0.070	0.003	0.028
		80.68 - 81.08: ALBITE (QUARTZ) DYKELETS Several narrow albite + quartz dykelets over the interval.	3a										
		84.52 - 85.03: ALBITE (QUARTZ) DYKE White to grey-white dykelet composed of aplitic albite and grey, semi-translucent quartz. Possibly minor petalite. Minor biotite. Sharp contacts, upper contact at 52° to c.a. and lower contact at 66° to c.a.	3a	1668	84.52	85.03	0.51	1.098	0.021	0.028	0.027	0.005	0.003
		87.84 - 88.09: ALBITE (QUARTZ MICA) DYKE Similar to previous, with slightly more grey quartz. Very minor yellow-green mica. Sharp contacts. Upper contact at 55° to c.a., lower contact at 61° to c.a.	3a										
		92.25 - 92.36: QUARTZ ALBITE DYKELET Fine grained, grey-white quartz + albite dykelet.	3a										
		98.22 - 98.43: ALBITE K-FELDSPAR DYKELET Medium grained, grey to white mosaic texture of white to grey-white albite and white K-feldspar. Very minor quartz. Random pink garnet. Glimmerite exocontacts, 1cm. Sharp upper contact at 56° to c.a. Sharp but undulating, irregular lower contact.	3a										

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-67

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
		100.04 - 100.19: ALBITE DYKELET Grey-white albite dykelet with partially altered pink garnet.	3a										
	EOH												

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY:	Separation Rapids	**LOCATION:** Great White North	**CLAIM #:**	**DOWNHOLE SURVEY:** Acid		**DRILLING COMPANY:**	Bradley Bros. Ltd.
HOLE NO.:	SR01-68	**LENGTH:** 67.00 m	**CORE SIZE:** NQ	DEPTH DIP AZM	DEPTH DIP AZM	**REMARKS:**	Core Storage: On site
PROJECT NO:	518	**NORTHING:** 1+67 S	**EASTING:** 2+00 W	67 m 46° -			
ELEVATION:	332m	**UTM Northing:** 5568951	**UTM Easting:** 388674			**CASING:**	28 metres - casing pulled
COLLAR ORIENTATION (AZIMUTH / DIP)		**PLANNED:** 180°/-45°	**SURVEYED:** No			**LOGGED BY:** W.M. Carter	**LOGGED:** May 13, 2001
HOLE STARTED:	May 12, 2001	**FINISHED:** May 12, 2001	**MAG DECLINATION:** 2°18' E				**SHEET** 1 **OF** 5

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
0.00	27.85	**OVERBURDEN**	OB										
27.85	33.75	**AMPHIBOLITE** Dark green-black, fine-grained, strongly foliated. Fault gouge between 30.30-31.00m. Abundant joint sets with carbonate infill and Fe-stained surfaces. Local pegmatitic dykelets: 28.71 - 28.90 : Heterogeneous; fine- to medium-grained, white-grey black to orange-red, moderately to strongly banded. Fine-grained, white to grey, saccharoidal albite with fine-grained k-spar and glassy grey quartz. Minor mm-scale pink garnet, local glimmerite horizons (~1cm), and exocontacts. UCT is 60° TCA; LCT is 52° TCA 29.76 - 29.85 : As previous; slightly more garnet. UCT is 40° TCA; LCT is 55° TCA	1 3a 3a											
33.75	34.00	**ALBITE K-FELDSPAR QUARTZ** Heterogeneous; fine- to medium-grained, light red-pink to greyish-white, moderately to strongly banded. Fine-grained, white-grey, saccharoidal albite. Creamy white to grey patches of remnant k-spar megacrysts, as well as light salmon pink fine-grained groundmass. Glassy grey quartz pods/ribbons (small scale). Rare fine-grained yellow mica, occasional fine-grained black biotite flecks. Local mm-scale pink garnets. Multiple cross cutting joint sets with relatively wide aperture (~1mm) and carbonate infill. Thin glimmerite exocontacts. UCT is 44° TCA; LCT is 52° TCA	3a	1669	33.75	34.00	0.25	0.026	0.011	0.004	0.013	0.005	0.074

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-68

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
34.00	38.12	**AMPHIBOLITE** Dark green, fine-grained, strongly foliated. Local glimmerite horizons with rare holmquistite. Occasional aplitic albitite dykelets. Multiple cross cutting joint sets with carbonate infill and Fe-staining on joint faces. 36.89 - 37.00 : Same as at 28.71-28.90m; no garnet. UCT is 60° TCA; LCT is 35° TCA	1 3a										
38.12	42.32	**ALBITE K-FELDSPAR MICA QUARTZ** Homogeneous; greyish to rusty-red, fine- to coarse-grained, strongly banded. Dominant joint set cuts perpendicular to banding and joint faces are Fe-stained (no carbonate). Relatively large amount of broken core due to dominant joint set. Fine-grained, grey to red-stained, saccharoidal albite with fine-grained silver muscovite throughout. Partially digested grey-pink feldspar megacrysts with glassy grey quartz pods/ribbons (small scale). Rare fine-grained yellow mica and black biotite. Glimmerite exocontacts. UCT is 51° TCA; LCT is 52° TCA	3a	1670	38.12	40.22	2.10	0.243	0.005	0.006	0.226	0.013	0.014
				1671	40.22	42.32	2.10	0.158	0.004	0.004	0.229	0.014	0.011
42.32	44.06	**AMPHIBOLITE** Dark green, fine-grained, strongly foliated. Multiple cross-cutting, carbonate filled joint sets.	1										
44.06	44.50	**ALBITE K-FELDSPAR QUARTZ** Heterogeneous; rusty pinkish-red, fine- to coarse-grained, moderately to strongly banded. Fine-grained, grey-white, saccharoidal albite and creamy white patches of remnant feldspar, as well as fine-grained pink groundmass material. Glassy grey quartz pods/ribbons, occasional cm-scale pink garnets. Rare black biotite. Again, dominant joint set cuts perpendicular to banding. Glimmerite exocontacts. UCT is 42° TCA; LCT is 35° TCA	3a	1672	44.06	44.50	0.44	0.040	0.004	0.008	0.074	0.006	0.027

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-68

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
44.50	45.78	**AMPHIBOLITE** *As previous; some Fe-staining. Section from 45.30-45.45m is highly altered pseudo-gouge (green from chloritic alteration and purplish-red from Fe-staining, with local carbonate joint filling).*	1										
45.78	47.86	**ALBITE K-FELDSPAR MICA QUARTZ (PETALITE)** Heterogeneous; rusty pinkish-red, fine- to coarse-grained, moderately to strongly banded. Basically the same as 44.06-44.50m. Glimmerite horizon/screen at 46.00-46.05m. Not as much megacrystic k-spar. Fine black biotite flecks throughout. Occasional silver muscovite-enriched horizons (~5-10cm). Glimmerite exocontacts. UCT is 30° TCA; LCT is 40° TCA 46.30 - 46.44 : Milky white, web-textured petalite zone; seems to be segregated from main material by thick (~1cm) quartz ribbons.	3a	1673	45.78	46.70	0.92	0.945	0.008	0.033	0.201	0.010	0.013
				1674	46.70	47.86	1.16	0.441	0.010	0.020	0.336	0.024	0.020
			6c										
47.86	50.32	**AMPHIBOLITE** As previous; minor purplish-blue holmqustite associated with glimmerite horizons. Fe-staining along joint faces. Local aplitic albitite dykelets. 49.00 - 49.08 : Aplitic albitite with minor black biotite flecks.	1										
			3a										
50.32	52.18	**MICA ALBITE *megacrystic* K-FELDSPAR QUARTZ** Heterogeneous; silvery-grey, fine- to very coarse-grained, moderately to strongly banded. Large white-pink k-spar megacrysts at UCT, otherwise sparse throughout. Fine- to coarse-grained silver muscovite dominates. Fine-grained, grey-white, saccharoidal albite, occasional megacrystic k-spar and minor glassy grey quartz pods/ribbons. Rare cm-scale pink-red garnet. Hematite-red Fe-staining along fracture and joint faces. Glimmerite exocontacts. UCT is 37° TCA; LCT is 42° TCA	3a?	1675	50.32	52.18	1.86	0.454	0.008	0.024	0.392	0.021	0.020

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-68

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
52.18	53.37	**AMPHIBOLITE** As previous; no apparent Fe-staining. Aplitic albitite dykelet from 52.32-52.42m (glimmerite exocontacts).	1										
53.37	56.23	**ALBITE K-FELDSPAR MICA (QUARTZ)** Fairly homogeneous; whitish-grey to light pink, fine- to medium-grained, moderately to strongly banded. Fine-	3a	1676	53.37	54.80	1.43	0.217	0.008	0.007	0.124	0.009	0.009
				1677	54.80	56.23	1.43	0.239	0.007	0.008	0.163	0.011	0.013
53.37	56.23	**ALBITE K-FELDSPAR MICA (QUARTZ) -- cont'd** grained, white-grey, saccharoidal albite with creamy white to grey patches of remnant k-spar, as well as light pink, fine-grained groundmass material in lower section. Medium grained silver muscovite scattered throughout; occasional black biotite. Rare cm-scale pink garnets. Hematite-red Fe-staining in fractures and joints. Glimmerite exocontacts. UCT is 46° TCA; LCT is 35° TCA												
56.23	58.19	**AMPHIBOLITE** Green, fine-grained, strongly foliated. Local glimmerite horizons (rare holmquistite). Local aplitic albitite dykelets.	1										
		56.35 - 56.54 : ALBITE K-SPAR QUARTZ - fine-grained, white-grey albite, creamy white-grey patches of remnant k-spar (and minor pink groundmass material), and glassy grey quartz pods/ ribbons. Occasional fine black biotite. Glimmerite exo-contacts. Hematite-red Fe-staining in joints and fractures, and occasional rusty patches/haloes. UCT is 30° TCA; LCT is 38° TCA	3a										
		57.86 - 58.00 : As previous.	3a										
58.19	58.89	**ALBITE K-FELDSPAR QUARTZ** Heterogeneous; grey-white to light pink, fine- to medium-grained, moderately to strongly banded. Fine-grained, white-grey to light pink, saccharoidal albite with creamy white-grey patches of remnant k-spar, and glassy grey quartz pods/ribbons. Occasional medium-grained silver muscovite and fine yellow mica. Rare cm-scale pink garnet.	3a	1678	58.19	58.89	0.70	0.052	0.006	0.005	0.048	0.008	0.042

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-68

LOGGED BY: W.M. Carter SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
58.19	58.89	**ALBITE K-FELDSPAR QUARTZ – cont'd** Glimmerite exocontacts. UCT is 30° TCA; LCT is 10° TCA											
58.89	67.00	**AMPHIBOLITE** Green, fine-grained, strongly foliated. Multiple cross cutting carbonate filled joint sets. Occasional pyrite on joint faces. Occasional glimmerite horizons.	1										
		61.27 - 61.59 : Albitite - white-grey, fine-grained, saccharoidal albite and occasional glassy grey quartz pods/ribbons. Rare k-spar. Occasional mm-scale pink garnets. Local fine-grained silver muscovite. Glimmerite exocontacts, and ~2cm wide internal glimmerite horizon. UCT is 30° TCA; LCT is 10° TCA	3a										
		62.12 - 62.19 : As previous; no garnet. UCT is 52° TCA; LCT is 32° TCA	3a										
		62.80 - 62.96 : As previous; no garnet. UCT is 32° TCA; LCT is 38° TCA	3a										
		63.44 - 63.93 : As previous; more garnet, and creamy white-grey patchy remnant k-spar. Local yellow mica. UCT is 48° TCA, LCT is 25° TCA	3a	1679	63.52	63.93	0.41	0.032	0.007	0.003	0.050	0.008	0.032
		64.76 - 64.92 : As above. UCT is 42° TCA; LCT is 30° TCA	3a										
		65.24 - 65.31 : Same as 62.12-62.19m. UCT is 30° TCA; LCT is 42° TCA	3a										
	EOH												

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY:	Separation Rapids	**LOCATION:** Lepidolite Dyke	**CLAIM #:**	**DOWNHOLE SURVEY:** Acid		**DRILLING COMPANY:**	Bradley Bros. Ltd.
HOLE NO.:	SR01-69	**LENGTH:** 101m	**CORE SIZE:** NQ	DEPTH DIP AZM	DEPTH DIP AZM	**REMARKS:**	Core Storage: On site
PROJECT NO:	518	**NORTHING:** 0+98S	**EASTING:** 1+75W	50m 42° -			
ELEVATION:	328m	**UTM Northing:** 556	**UTM Easting:** 388	101m 42° -		**CASING:**	26 metres - pulled from hole
COLLAR ORIENTATION (AZIMUTH / DIP)		**PLANNED:** 180°/-45°	**SURVEYED:** No			**LOGGED BY:** J.A. Morgan	**LOGGED:** April 30/2001
HOLE STARTED:	12/05/01	**FINISHED:** 14/05/01	**MAG DECLINATION:** 2°18' E				**SHEET** 1 **OF** 5

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
0.00	26.00	**OVERBURDEN** Clay, sand, and boulders.	Ob										
26.00	34.71	**AMPHIBOLITE** Dark green, well foliated, non-magnetic. Foliation: 28.5m - 37° to c.a. 31m - 34° to c.a. 33m - 25° to c.a. 34m - 36° to c.a. Core is broken to about 31.50.	1										
		28.90 - 28.98: ALBITE DYKELET Grey-white albite dykelet.	3a										
		29.26 - 29.40: ALBITE DYKELET. As previous.	3a										
		31.60 - 31.70: ALBITE DYKELET Grey-white albite dykelet with minor, rusty hematite specks.	3a										
		31.91 - 32.17: PETALITE ALBITE (K-FELDSPAR) DYKE Composed predominantly of grey-white aplitic albite and lesser K-feldspar, with white, web-textured petalite. Minor yellow to apple green mica.	6	1680	31.91	32.17	0.26	1.236	0.016	0.070	0.184	0.005	0.007
		33.31 - 33.43: ALBITE DYKELET. As per 31.60 - 31.70.	3a										
		34.35 - 34.56: ALBITE DYKELET. As per 31.60 - 31.70.	3a										

2.23313

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-69

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
34.71	36.30	**PETALITE LEPIDOLITE ALBITE PEGMATITE** Composed of 'chalky' white petalite (irregular masses) and grey-white aplitic albite, with significant lepidolite locally. Moderately banded. Sharp upper contact at 37° to c.a. Sharp lower contact at 32° to c.a.	6cd	1681	34.71	35.02	0.31	0.943	0.033	0.009	0.319	0.010	0.025
				1682	35.30	36.30	1.00	1.490	0.016	0.026	0.255	0.007	0.033
		35.02 - 35.30: Amphibolite screen. Upper contact with pegmatite at 38° to core axis. Lower contact with pegmatite at 31° to core axis.											
36.30	48.00	**AMPHIBOLITE** As previous. Well foliated. Local holmquistite. Foliation: 38m - 38° to c.a. 42m - 39° to c.a. 45m - 35° to c.a. 48m - 33° to c.a.	1										
		38.46 - 38.60: ALBITE (QUARTZ) DYKELET Composed of white, saccharoidal to aplitic albite and minor grey quartz.	3a										
		40.15 - 40.45: ALBITE (K-FELDSPAR MICA) DYKE Predominantly grey-white albite with lesser orange-white K-feldspar and quartz. Minor yellow-green mica and black opaques. Sharp contacts. Upper contact at 42° to c.a., lower contact at 37° to c.a.	3a	1683	40.15	40.45	0.30	0.046	0.018	0.016	0.128	0.005	0.014

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-69

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
48.00	54.45	**PETALITE LEPIDOLITE K-FELDSPAR ALBITE PEGMATITE** The unit is comprised of three separate dykes, separated by amphibolite screens, as follows: DYKE 1: 48.00 - 49.60. Sharp upper contact 39° c.a. Sharp lower contact at 35° to c.a. DYKE 2: 51.01 - 52.24. Sharp upper contact 33° c.a. Sharp, irregular lower contact. DYKE 3: 53.30 - 54.45. Sharp upper contact 34° to c.a. Sharp lower contact at 32° to c.a. Composed of 'multi-colored' petalite, from amorphous aqua-green, to faint indigo blue, to 'chalky' grey. Also typical white, web-textured petalite, particularly in the uppermost dyke. The petalite is usually stretched along the foliation, which is moderately to well developed. Lepidolite rich sections at 48.27-48.50, 51.10-51.80, and 53.45-54.35. Pegmatite also contains significant white K-feldspar, as well as orange-pink K-feldspar, up to 5cm in size, near the dyke contacts. Clear to grey quartz blebs and black silica. Local yellow-green mica.	6	1684	48.00	49.60	1.60	1.059	0.006	0.007	0.323	0.007	0.021
				1685	51.01	52.24	1.23	1.025	0.014	0.005	0.342	0.009	0.012
				1686	53.30	54.45	1.15	1.225	0.006	0.008	0.584	0.011	0.036
		52.65 - 53.30: IRON FORMATION Predominantly banded magnetite + pyrite + pyrrhotite + chalcopyrite iron formation. Folded/contorted at 52.65 - 52.80.	IF										
54.45	60.56	**AMPHIBOLITE / MAGNETITE IRON FORMATION** Amphibolite, as previous. Moderately to well foliated. Foliation: 58m - 42° c.a., 60m - 30° to c.a. Magnetite iron formation as follows: 57.89-58.06, 58.43-58.60, 58.76-59.35 (Po + lesser Cpy), 59.50-60.02, (considerable Py + Po + minor Cpy), 60.40-60.56.	1/IF										

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-69

LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
60.56	61.62	**ALBITE QUARTZ (BIOTITE) DYKE** Composed of fine grained, green to grey-green albite and glassy grey quartz, with accessory biotite flecks. Rare pink garnet associated with the biotite. Biotite defines a crude, poorly developed foliation. Somewhat diffuse and irregular contacts.	3a	1687	60.56	61.62	1.06	0.065	0.004	0.016	0.064	0.008	0.451
61.62	61.74	**IRON FORMATION** As previous. Magnetite + pyrite iron formation, with minor fine grained chalcopyrite.	IF										
61.74	80.77	**PEGMATITIC GRANITE (SEPARATION RAPIDS)** Very texturally heterogeneous pegmatitic granite. Contains fine grained albitic sections as well as sections characterized by megacrystic orange-pink K-feldspar. Section from 62.00-63.70 is characterized by pervasive red Fe-staining. Minor green mica throughout.	7	1688	61.74	63.70	1.96	0.040	0.003	0.006	0.082	0.005	0.084
				1689	64.50	66.50	2.00	0.077	0.004	0.002	0.162	0.010	0.070
				1690	66.50	68.50	2.00	0.046	0.006	0.002	0.090	0.009	0.029
				1691	68.50	70.33	1.83	0.120	0.008	0.005	0.243	0.018	0.074
				1692	70.53	72.70	2.17	0.099	0.005	0.010	0.138	0.009	0.114
				1693	75.11	77.00	1.89	0.112	0.005	0.010	0.353	0.017	0.038
				1694	77.00	79.00	2.00	0.167	0.008	0.010	0.293	0.019	0.052
				1695	79.00	80.77	1.77	0.144	0.011	0.012	0.233	0.016	0.363
		64.50 - 68.50: Characterized by faint orange-pink color. Composed of albite, with coarse to megacrystic, white to orange-pink K-feldspar. Accessory green mica. Locally abundant rusty red-brown oxides, generally no greater than 1mm (ex: 65.75-66.05, 68.15-68.30).											
		68.50 - 80.77: Comprised of megacrystic orange-pink to white K-spar and coarse grained grey quartz, with accessory green mica and lesser grey-white albite. Silver-green mica becomes more prominent from 78.00-80.77. Abundant brown-black, sub-metallic, diamond shaped to tabular oxides, up to 1cm long, at 72.15-72.25 and 80.75-80.77.											

DIAMOND DRILL CORE LOGGING SHEETS

AVALON VENTURES LTD.

PROPERTY Separation Rapids HOLE # SR01-69

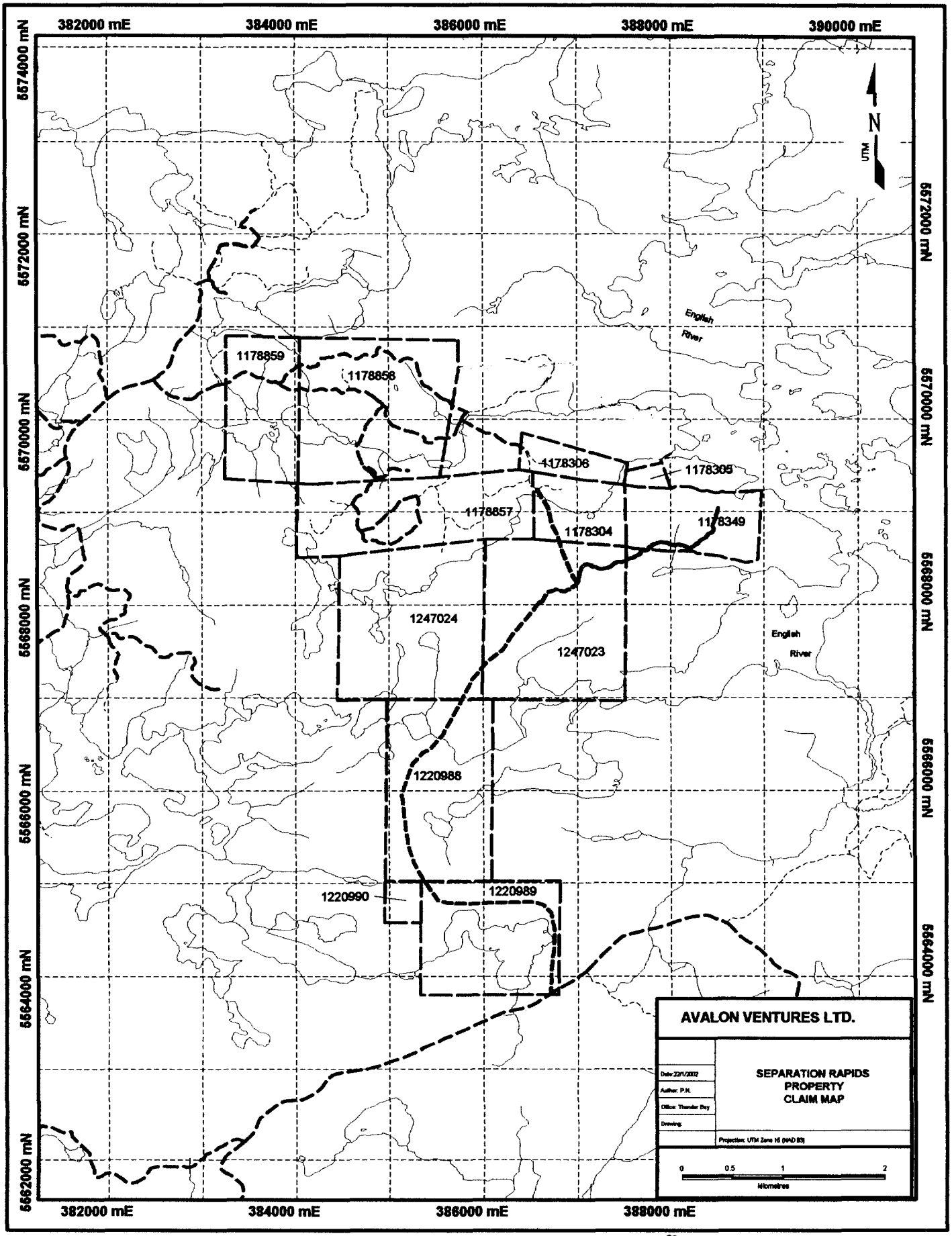
LOGGED BY: J. A. Morgan SIGNATURE

METERAGE FROM	METERAGE TO	DESCRIPTION	UNIT	SAMPLES No.	SAMPLES FROM	SAMPLES TO	SAMPLES LENGTH	ASSAYS Li_2O%	ASSAYS Ta_2O_5%	ASSAYS Cs_2O%	ASSAYS Rb_2O%	ASSAYS Nb_2O_5%	ASSAYS SnO_2%
		PEGMATITIC GRANITE (SEPARATION RAPIDS) (continued) Mafic screens at: 63.70 - 64.50 70.33 - 70.53 71.18 - 71.24 72.70 - 74.57 74.84 - 75.11											
80.77	101.00	**AMPHIBOLITE** As previous. Moderately to well foliated. Minor quartz veining and albitic dykelets. Some quartz veins display minor folding. Thin carbonate veinlets generally at steep angles to the foliation. Broken core at 86.66-87.50 and 100.00-101.00 Foliation: 83m - 36° to c.a. 89m - 44° to c.a. 95m - 54° to c.a. 99m - 44° to c.a.	1										
		87.83 - 88.00: ALBITE QUARTZ K-FELDSPAR DYKELET Composed of grey-white albite, smokey grey quartz, and lesser grey-white K-feldspar. Aqua-green crystals, 5mm average grain size, concentrated near centre of the dyke (possibly beryl). Very fine grained, lemon-yellow staining locally.	3b										
		91.80 - 92.27: ALBITE QUARTZ K-FELDSPAR DYKELET As previous, but without the aqua-green crystals. Contains a 6cm wide biotite-rich screen. Sharp contacts. Irregular upper contact. Curved lower contact at moderate angles to the c.a.	3b										
	EOH												

Separation Rapids Drill Hole Stats - April to May 2001 Program

Hole	Local Grid		UTM Grid		Dip	Dip at	Azim	Elevation	EOH (m)	Date	Date
	East	North	East	North		EOH		(metres)		Started	Finished
SR01-58	3+00W	1+35S	388579	5568972	-55	-44	160	334	200.0	26-Apr-01	29-Apr-01
SR01-59	4+86W	0+65N	388387	5569170	-61	-56	355	351	179.0	29-Apr-01	01-May-01
SR01-60	7+56W	0+24N	388120	5569132	-60	-52	218	360	158.0	01-May-01	04-May-01
SR01-61	7+00W	0+37N	388171	5569125	-45	-44	180	363	110.0	04-May-01	05-May-01
SR01-62	6+75W	0+08N	388197	5569098	-45	-41	180	359	100.0	05-May-01	06-May-01
SR01-63	6+50W	BL0+00	388225	5569083	-44	-41	180	355	101.0	06-May-01	07-May-01
SR01-64	2+75W	0+63S	388600	5569043	-45	-41	180	333.5	109.0	07-May-01	08-May-01
SR01-65	2+25W	0+87S	388649	5569015	-45	-40	180	330	107.0	09-May-01	10-May-01
SR01-66	2+25W	1+55S	388652	5568948	-45	-45	180	331	68.0	10-May-01	11-May-01
SR01-67	2+00W	0+98S	388675	5569012	-45	---	180	329	101.0	11-May-01	12-May-01
SR01-68	2+00W	1+57S	388674	5568951	-45	-46	180	332	67.0	12-May-01	12-May-01
SR01-69	1+75W	0+98S	388698	5569010	-45	-42	180	328	101.0	12-May-01	14-May-01
								TOTAL:	**1401.0**		

* Elevations estimated from survey of 1997 & 1998 drill holes


382000 mE
384000 mE
386000 mE
388000 mE
390000 mE
5574000 mN
5572000 mN
5570000 mN
5568000 mN
5566000 mN
5564000 mN
5562000 mN
N
1178859
1178858
1178306
1178305
1178857
1178304
1178349
1247024
1247023
1220988
1220990
1220989
English River
English River
AVALON VENTURES LTD.
SEPARATION RAPIDS PROPERTY CLAIM MAP
Projection: UTM Zone 16 (NAD 83)
0 0.5 1 2
kilometres

2.23818

2.23313

XRAL Laboratories
A Division of SGS Canada Inc.

1885 Leslie Street
Don Mills, Ontario
Canada M3B 3J4
Telephone (416) 445-5755
Fax (416) 445-4152

CERTIFICATE OF ANALYSIS

Work Order: 063508

To: **Avalon Ventures Ltd**
Attn: Jeff Morgan

851 Field Street
THUNDER BAY
ONTARIO, CANADA P7B 6B6

Date : 28/09/01

Copy 1 to :

P.O. No.	:	
Project No.	:	518
No. of Samples	:	38 Core
Date Submitted	:	09/05/01
Report Comprises	:	Cover Sheet plus Pages 1 to 3

CORRECTED REPORT

Distribution of unused material:
Pulps: Store
Rejects: STORE

Certified By :

Dr. Hugh de Souza, General Manager
XRAL Laboratories

ISO 9002 REGISTERED

Subject to SGS General Terms and Conditions

Report Footer:

L.N.R.	= Listed not received	I.S.	= Insufficient Sample
n.a.	= Not applicable	--	= No result
*INF	= Composition of this sample makes detection impossible by this method		

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Work Order: 063508 **Date:** 28/09/01 **FINAL**

Element.	Ta	Nb	Sn	Rb	Cs
Method.	XRF7	XRF7	XRF7	XRF7	XRF7
Det.Lim.	5	2	5	2	5
Units.	ppm	ppm	ppm	ppm	ppm
*Std NIM_L	22	849	9	186	6
28801	224	64	8	1180	657
28802	44	61	20	3070	199
28803	98	80	16	3440	97
28804	43	67	<5	2080	27
28805	35	54	44	2520	11
28806	49	92	18	2130	18
28807	59	83	17	3520	59
28808	103	112	28	4550	105
28809	102	100	27	4550	129
28810	128	99	21	4310	122
28811	105	106	31	5000	109
28812	64	89	21	3480	53
28813	82	108	17	2960	53
28814	54	97	25	3200	31
28815	63	102	30	2960	17
28816	47	73	9	1720	25
28817	47	86	<5	1820	21
28818	68	97	15	2390	25
*Std NIM_L	19	847	6	184	<5
28819	48	78	16	2480	21
28820	64	90	28	3030	21
28821	73	120	38	4270	65
28822	55	92	19	3240	50
28823	94	106	27	3930	60
28824	87	48	52	1750	478
28825	43	40	11	1710	209
28826	60	18	<5	242	120
28827	29	64	9	1380	91
28828	24	47	<5	315	8
28829	70	96	5	681	22
28830	20	58	5	582	40
28831	30	41	5	505	35
28832	17	35	5	759	19
28833	139	105	<5	303	25
28834	31	120	5	245	16
28835	22	64	5	869	24
28836	20	59	5	526	16
28837	22	72	5	128	21
28838	7	36	5	540	13
*Dup 28801	223	64	7	1190	658
*Dup 28813	81	108	17	2940	54
*Dup 28825	44	40	11	1730	207
*Dup 28837	22	72	5	129	21

Element.	Li
Method.	ICP90
Det.Lim.	10
Units.	ppm
28801	327
28802	7510
28803	7340
28804	8140
28805	6890
28806	5850
28807	7660
28808	8260
28809	8090
28810	7840
28811	8040
28812	4770
28813	8240
28814	6440
28815	5760
28816	4870
28817	6200
28818	6690
*Blk BLANK	< 10
*Std GXR3	123
28819	9630
28820	6200
28821	7720
28822	6910
28823	6930
28824	4400
28825	7580
28826	11540
28827	255
28828	37
28829	177
28830	185
28831	267
28832	18
28833	140
28834	127
28835	97
28836	115
*Blk BLANK	< 10
*Std GXR3	118
28837	39
28838	40
*Dup 28801	348
*Dup 28813	8250
*Dup 28825	7390

Element.	Li
Method.	ICP90
Det.Lim.	10
Units.	ppm
*Dup 28837	44
*Blk BLANK	< 10
*Std GXR3	117

XRAL Laboratories
A Division of SGS Canada Inc.

1885 Leslie Street
Don Mills, Ontario
Canada M3B 3J4
Telephone (416) 445-5755
Fax (416) 445-4152

CERTIFICATE OF ANALYSIS

Work Order: 063542

To: **Avalon Ventures Ltd**
Attn: Jeff Morgan

851 Field Street
THUNDER BAY
ONTARIO, CANADA P7B 6B6

Date : 28/09/01

Copy 1 to :

P.O. No.	:	
Project No.	:	518
No. of Samples	:	57 Core
Date Submitted	:	14/05/01
Report Comprises	:	Cover Sheet plus Pages 1 to 4

CORRECTED REPORT

Distribution of unused material:
Pulps: STORE
Rejects: STORE

Certified By :

Dr. Hugh de Souza, General Manager
XRAL Laboratories

ISO 9002 REGISTERED

Report Footer:

L.N.R.	= Listed not received	I.S.	= Insufficient Sample
n.a.	= Not applicable	--	= No result
*INF	= Composition of this sample makes detection impossible by this method		

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

XRAL Laboratories
A Division of SGS Canada Inc.

Work Order: 063542 **Date:** 28/09/01 **FINAL**

Element.	Ta	Nb	Sn	Rb	Cs
Method.	XRF7	XRF7	XRF7	XRF7	XRF7
Det.Lim.	5	2	5	2	5
Units.	ppm	ppm	ppm	ppm	ppm
*Std NIM_L	23	848	7	183	6
28839	17	43	<5	1280	33
28840	20	37	<5	780	<5
28841	78	50	<5	375	74
28842	41	47	17	838	74
28843	31	72	30	679	199
28844	30	78	<5	304	150
28845	32	31	<5	405	59
28846	35	61	15	677	123
28847	51	55	10	1240	182
28848	49	80	11	1200	95
28849	39	96	7	1260	125
28850	26	82	11	1900	89
28851	24	80	16	2610	78
28852	16	72	24	2640	70
28853	19	74	12	2150	34
28854	18	70	7	1420	55
28855	14	64	12	1770	30
28856	13	71	17	3390	54
*Std NIM_L	23	849	6	184	5
28857	22	72	6	1440	16
28858	27	67	9	2180	33
28859	35	107	20	2270	38
28860	24	80	7	1890	39
28861	20	62	10	1770	44
28862	36	19	<5	148	27
28863	26	30	7	893	136
28864	49	69	13	1560	46
28865	47	53	<5	824	26
28866	48	112	25	1010	38
28867	54	92	64	1140	36
28868	30	73	5	1590	43
28869	31	90	7	1450	49
28870	26	76	9	1860	45
28871	41	80	7	1360	70
28872	41	69	10	1380	56
28873	32	93	201	85	50
28874	94	43	<5	431	40
28875	35	93	7	1330	30
28876	32	89	8	1710	50
28877	39	80	6	1500	52
28878	64	82	6	1150	55
28879	37	90	<5	1010	104
28880	59	101	10	1450	98
28881	25	7	<5	135	<5

Work Order: 063542 **Date:** 28/09/01 **FINAL**

Element.	Ta	Nb	Sn	Rb	Cs
Method.	XRF7	XRF7	XRF7	XRF7	XRF7
Det.Lim.	5	2	5	2	5
Units.	ppm	ppm	ppm	ppm	ppm
28882	44	70	27	1410	150
28883	159	70	13	1740	940
28884	178	79	5	2280	513
28885	70	57	<5	670	364
28886	410	35	<5	244	718
28887	296	57	36	2050	2860
28888	40	65	7	1400	90
28889	27	60	6	1220	36
28890	26	82	7	2100	28
28891	41	152	12	1740	16
28892	30	120	13	3850	42
*Std NIM_L	26	849	8	196	5
28893	49	129	13	2570	49
28894	39	125	6	712	46
28895	40	200	15	1190	67
*Dup 28839	17	43	<5	1290	34
*Dup 28851	24	80	16	2610	80
*Dup 28863	26	30	7	890	137
*Dup 28875	34	92	8	1310	30
*Dup 28887	296	57	38	2050	2850

Element.	Li
Method.	ICP90
Det.Lim.	10
Units.	ppm
28839	612
28840	389
28841	291
28842	198
28843	494
28844	324
28845	214
28846	202
28847	470
28848	238
28849	349
28850	459
28851	426
28852	396
28853	309
28854	366
28855	269
*Blk BLANK	<10
*Std NIM_L	53
*Std TAN_1	856
28856	274
28857	299
28858	234
28859	487
28860	256
28861	167
28862	125
28863	312
28864	177
28865	116
28866	281
28867	249
28868	147
28869	210
28870	204
28871	188
28872	118
*Blk BLANK	<10
*Std GXR3	121
*Std NIM_L	49
28873	141
28874	135
28875	508
28876	556
28877	429

Element.	Li
Method.	ICP90
Det.Lim.	10
Units.	ppm
28878	216
28879	313
28880	560
28881	181
28882	638
28883	796
28884	393
28885	9660
28886	322
28887	765
28888	1270
28889	725
*Blk BLANK	< 10
*Std TAN_1	857
*Std GXR3	126
28890	698
28891	1020
28892	891
28893	4270
28894	565
28895	1250
*Dup 28839	622
*Dup 28851	419
*Dup 28863	330
*Dup 28875	515
*Dup 28887	757
*Blk BLANK	< 10
*Std NIM_L	49
*Std TAN_1	863

XRAL Laboratories
A Division of SGS Canada Inc.

1885 Leslie Street
Don Mills, Ontario
Canada M3B 3J4
Telephone (416) 445-5755
Fax (416) 445-4152

CERTIFICATE OF ANALYSIS

Work Order: 063557

To: **Avalon Ventures Ltd**
Attn: Jeff Morgan

851 Field Street
THUNDER BAY
ONTARIO, CANADA P7B 6B6

Date : 28/09/01

Copy 1 to :

P.O. No.	:	
Project No.	:	518
No. of Samples	:	96 Core
Date Submitted	:	16/05/01
Report Comprises	:	Cover Sheet plus Pages 1 to 6

CORRECTED REPORT

Distribution of unused material:
Pulps: STORE
Rejects: STORE

Certified By :

Dr. Hugh de Souza, General Manager
XRAL Laboratories

ISO 9002 REGISTERED

Subject to SGS General Terms and Conditions

Report Footer:
L.N.R. = Listed not received
I.S. = Insufficient Sample
n.a. = Not applicable
-- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Work Order: 063557 **Date:** 28/09/01 **FINAL**

Element.	Ta	Nb	Sn	Rb	Cs
Method.	XRF7	XRF7	XRF7	XRF7	XRF7
Det.Lim.	5	2	5	2	5
Units.	ppm	ppm	ppm	ppm	ppm
*Std NIM_L	24	850	9	187	5
28896	50	53	444	730	28
28897	40	70	<5	1460	13
28898	40	64	274	1200	20
28899	57	76	16	1960	102
28900	43	68	<5	1540	26
28901	41	67	267	1100	28
28902	55	64	296	809	62
28903	93	93	447	1520	23
28904	44	68	429	1430	22
28905	35	74	<5	1540	43
28906	42	76	167	1330	44
28907	39	66	232	1430	15
28908	32	54	58	1550	123
28909	32	82	11	1740	45
28910	46	127	<5	1850	41
28911	39	96	6	2310	62
28912	72	89	604	1290	93
28913	51	84	33	2610	200
28914	69	77	9	2350	398
28915	77	37	128	1560	569
28916	88	95	1410	1480	150
28917	65	68	5	2130	541
28918	76	65	238	1480	98
28919	112	96	17	4830	414
28920	138	74	9	3410	346
28921	266	98	15	4490	424
28922	194	74	38	4640	1980
28923	48	75	7	3250	46
28924	47	62	<5	2310	23
28925	55	74	<5	2510	21
28926	53	85	<5	2730	51
28927	54	91	9	3350	74
28928	91	106	8	3220	49
28929	105	62	56	2850	718
28930	64	52	10	2180	112
28931	272	47	12	1080	649
*Std TAN_1	1610	129	<5	2290	743
28932	67	54	301	1420	88
28933	165	76	<5	2230	159
28934	47	39	486	1000	68
28935	56	75	36	2770	166
28936	105	55	29	958	374
28937	93	58	2860	64	11
28938	57	81	<5	1740	56

Element.	Ta	Nb	Sn	Rb	Cs
Method.	XRF7	XRF7	XRF7	XRF7	XRF7
Det.Lim.	5	2	5	2	5
Units.	ppm	ppm	ppm	ppm	ppm
28939	37	57	<5	639	110
28940	65	86	897	1410	111
28941	61	41	559	633	333
28942	338	83	209	398	187
28943	96	73	5	1790	136
28944	82	75	19	3310	171
28945	226	141	1990	1450	457
28946	130	63	757	754	197
28947	98	50	623	1140	162
28948	206	66	16	3040	645
28949	98	101	31	5330	481
*Std NIM_L	25	855	6	184	6
28950	119	101	20	4760	215
28951	95	38	49	2760	1660
28952	116	51	765	936	72
28953	61	36	54	3060	2030
28954	98	72	6	3430	226
28955	138	92	53	8120	7840
28956	138	102	14	4630	155
28957	120	95	<5	3650	72
28958	73	99	9	3990	41
28959	87	111	9	3630	94
28960	65	97	<5	3030	63
28961	78	107	11	3430	62
28962	89	93	14	3400	144
28963	155	62	5	2300	400
28964	231	109	19	4960	156
28965	172	96	48	5810	1180
28966	69	84	6	2720	95
28967	214	77	74	4560	2260
28968	110	80	47	3870	940
28969	117	49	843	537	70
28970	32	82	8	2030	33
28971	39	85	14	2550	156
28972	233	49	187	191	186
28973	202	87	803	1250	428
28974	76	79	9	3840	90
28975	118	103	11	3890	73
28976	92	82	8	3710	112
28977	156	78	838	2190	221
28978	125	108	20	4710	117
28979	64	104	9	3910	116
28980	60	92	11	3440	84
28981	66	104	7	3590	79
28982	90	93	<5	2980	85

Element.	Ta	Nb	Sn	Rb	Cs
Method.	XRF7	XRF7	XRF7	XRF7	XRF7
Det.Lim.	5	2	5	2	5
Units.	ppm	ppm	ppm	ppm	ppm
28983	102	50	220	550	251
28984	153	62	<5	2280	210
28985	105	71	12	2910	162
28986	36	66	8	3640	113
28987	151	81	369	1670	90
28988	91	90	12	2980	70
28989	55	84	31	2530	27
28990	46	117	437	1530	26
28991	30	99	20	2620	21
*Dup 28896	50	52	444	729	27
*Dup 28908	32	54	58	1560	120
*Dup 28920	136	74	8	3420	347
*Dup 28932	66	54	302	1410	86
*Dup 28944	83	76	19	3310	170
*Dup 28956	138	102	15	4630	154
*Dup 28968	109	81	47	3870	940
*Dup 28980	59	91	10	3470	88

Element.	Li
Method.	ICP90
Det.Lim.	10
Units.	ppm
28896	219
28897	195
28898	239
28899	703
28900	443
28901	211
28902	233
28903	1180
28904	203
28905	317
28906	357
28907	494
28908	1020
28909	463
28910	37
28911	765
28912	218
*Blk BLANK	< 10
*Std NIM_L	46
*Std TAN_1	897
28913	259
28914	3320
28915	4860
28916	8650
28917	8220
28918	8390
28919	8510
28920	8130
28921	6850
28922	4770
28923	12040
28924	6770
28925	11340
28926	7870
28927	8620
28928	7170
28929	9690
*Blk BLANK	< 10
*Std GXR3	131
*Std NIM_L	43
28930	13810
28931	5710
28932	9880
28933	7170
28934	4620

Element.	Li
Method.	ICP90
Det.Lim.	10
Units.	ppm
28935	6830
28936	709
28937	147
28938	438
28939	331
28940	204
28941	615
28942	1170
28943	7510
28944	8090
28945	644
28946	4080
*Blk BLANK	< 10
*Std TAN_1	880
*Std GXR3	129
28947	5620
28948	4770
28949	7990
28950	8550
28951	1380
28952	14000
28953	1470
28954	8280
28955	2890
28956	6850
28957	6840
28958	7210
28959	6970
28960	7980
28961	6200
28962	8040
28963	11460
*Blk BLANK	< 10
*Std NIM_L	43
*Std TAN_1	860
28964	6200
28965	5510
28966	10570
28967	4100
28968	4620
28969	965
28970	445
28971	213
28972	143
28973	2650

Element.	Li
Method.	ICP90
Det.Lim.	10
Units.	ppm
28974	8540
28975	6200
28976	9410
28977	9570
28978	7570
28979	7700
28980	7990
*Blk BLANK	< 10
*Std GXR3	132
*Std NIM_L	42
28981	6430
28982	6700
28983	11800
28984	10630
28985	9470
28986	11630
28987	4120
28988	7670
28989	7040
28990	5410
28991	977
*Dup 28896	235
*Dup 28908	988
*Dup 28920	7940
*Dup 28932	9210
*Dup 28944	7480
*Dup 28956	6720
*Blk BLANK	< 10
*Std TAN_1	865
*Std GXR3	128
*Dup 28968	4590
*Dup 28980	8410
*Blk BLANK	< 10
*Std NIM_L	46
*Std TAN_1	878

XRAL Laboratories
A Division of SGS Canada Inc.

1885 Leslie Street
Don Mills, Ontario
Canada M3B 3J4
Telephone (416) 445-5755
Fax (416) 445-4152

CERTIFICATE OF ANALYSIS

Work Order: 063582

To: **Avalon Ventures Ltd**
Attn: Jeff Morgan

851 Field Street
THUNDER BAY
ONTARIO, CANADA P7B 6B6

Date : 28/09/01

Copy 1 to :

P.O. No.	:	
Project No.	:	518
No. of Samples	:	111 Core
Date Submitted	:	22/05/01
Report Comprises	:	Cover Sheet plus Pages 1 to 7

CORRECTED REPORT

Distribution of unused material:
Pulps: STORE
Rejects: STORE

Certified By :

Dr. Hugh de Souza, General Manager
XRAL Laboratories

ISO 9002 REGISTERED

Subject to SGS General Terms and Conditions

Report Footer:

L.N.R.	= Listed not received	I.S.	= Insufficient Sample
n.a.	= Not applicable	--	= No result
*INF	= Composition of this sample makes detection impossible by this method		

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

XRAL Laboratories
A Division of SGS Canada Inc.

Work Order: 063582 **Date:** 28/09/01 **FINAL**

Element.	Ta	Nb	Sn	Rb	Cs
Method.	XRF7	XRF7	XRF7	XRF7	XRF7
Det.Lim.	5	2	5	2	5
Units.	ppm	ppm	ppm	ppm	ppm
*Std NIM_L	23	849	9	185	6
28992	156	88	18	4380	130
28993	175	92	12	4960	148
28994	139	108	13	5910	143
28995	194	118	23	6710	183
28996	137	101	19	6040	144
28997	66	75	13	4550	95
28998	22	50	5	3000	102
28999	49	65	5	3440	47
29000	33	98	17	4430	68
01601	52	34	28	3080	659
01602	47	122	18	3700	68
01603	42	127	25	3520	79
01604	60	108	14	2760	116
01605	46	104	10	2310	57
01606	54	160	33	2980	64
01607	46	115	1210	2420	89
01608	20	64	11	2960	42
01609	15	44	7	2590	42
01610	23	35	11	1870	148
01611	93	39	<5	479	86
01612	26	55	27	4190	84
01613	52	36	9	2020	133
01614	37	124	17	3220	54
01615	41	123	25	3450	64
01616	45	136	35	4520	78
01617	56	125	26	4260	106
01618	39	109	22	4140	98
01619	73	25	<5	332	217
01620	38	26	<5	1060	81
01621	49	61	10	3130	230
01622	136	31	7	653	249
01623	107	87	9	5770	89
01624	75	80	9	4630	87
01625	76	75	12	4590	96
01626	132	80	9	4380	125
01627	154	73	10	4270	138
*Std TAN_1	1680	131	<5	2330	741
01628	32	66	22	3940	54
01629	17	41	5	2600	14
01630	40	72	9	4250	56
01631	24	39	<5	1600	37
01632	33	50	5	2100	79
01633	56	51	10	2730	60
01634	97	37	<5	1230	280

Element.	Ta	Nb	Sn	Rb	Cs
Method.	XRF7	XRF7	XRF7	XRF7	XRF7
Det.Lim.	5	2	5	2	5
Units.	ppm	ppm	ppm	ppm	ppm
01635	39	52	<5	2380	85
01636	329	66	<5	593	607
01637	36	53	10	3240	253
01638	280	45	<5	828	1530
01639	179	89	30	4750	2620
01640	69	37	14	1430	1030
01641	51	97	20	2630	128
01642	44	73	11	2850	119
01643	21	34	<5	1500	37
01644	42	62	23	2460	93
01645	59	81	18	2890	91
*Std NIM_L	21	844	10	190	7
01646	109	51	8	1090	328
01647	26	41	<5	219	57
01648	46	68	7	1080	58
01649	33	84	8	861	33
01650	22	53	5	731	24
01651	30	56	<5	194	13
01652	25	64	5	1230	12
01653	28	36	5	1120	14
01654	54	82	5	580	20
01655	168	107	15	6130	329
01656	205	96	11	5240	233
01657	297	104	13	5410	198
01658	207	38	<5	448	204
01659	156	76	21	5260	952
01660	206	48	<5	340	184
01661	16	31	5	1880	41
01662	62	51	6	1980	51
01663	26	43	18	1840	224
01664	27	33	<5	472	102
01665	54	60	12	1090	93
01666	67	83	4570	380	146
01667	30	18	10	637	133
01668	173	38	<5	247	266
01669	91	33	<5	123	40
01670	41	93	12	2070	53
01671	31	95	11	2090	42
01672	29	40	5	674	74
01673	69	69	13	1840	314
01674	78	171	25	3070	185
01675	67	144	27	3580	222
01676	67	65	<5	1130	64
01677	58	76	6	1490	72
01678	50	56	10	436	49

Element.	Ta	Nb	Sn	Rb	Cs
Method.	XRF7	XRF7	XRF7	XRF7	XRF7
Det. Lim.	5	2	5	2	5
Units.	ppm	ppm	ppm	ppm	ppm
01679	54	54	<5	457	24
01680	134	37	8	1680	664
01681	270	70	10	2920	89
01682	133	52	9	2330	243
01683	147	38	8	1170	149
01684	47	47	9	2950	62
01685	114	60	7	3130	43
01686	50	77	20	5340	79
01687	35	53	49	581	155
01688	24	35	42	753	59
01689	33	70	17	1480	22
01690	50	63	<5	826	19
01691	67	125	29	2220	46
01692	40	64	54	1260	98
01693	43	118	36	3230	93
01694	67	133	44	2680	94
01695	91	109	1600	2130	116
57993	39	57	41	1600	85
57994	60	59	<5	1220	10
57995	89	78	22	1200	168
57996	20	37	5	1630	19
*Std TAN_1	1610	128	20	2550	729
57997	28	48	5	2030	25
57998	36	63	7	2090	24
57999	44	58	10	1810	41
*Dup 28992	157	87	17	4420	131
*Dup 01604	60	108	14	2740	118
*Dup 01616	45	135	34	4560	77
*Dup 01628	33	65	21	3950	56
*Dup 01640	69	37	16	1430	1030
*Dup 01652	25	64	5	1230	10
*Dup 01664	27	33	<5	470	102
*Dup 01676	67	65	<5	1120	65
*Dup 01688	24	35	40	754	60
*Dup 57997	27	48	5	2040	24

Element.	Li
Method.	ICP90
Det.Lim.	10
Units.	ppm
28992	1580
28993	7210
28994	7630
28995	7520
28996	9490
28997	8030
28998	5140
28999	2370
29000	1450
01601	1670
01602	1420
01603	1350
01604	828
01605	744
01606	959
01607	945
01608	441
*Blk BLANK	<10
*Std NIM_L	42
*Std TAN_1	849
01609	4630
01610	6890
01611	234
01612	4340
01613	4670
01614	931
01615	1450
01616	1550
01617	2290
01618	1400
01619	528
01620	6970
01621	3810
01622	7070
01623	8380
01624	7450
01625	9260
*Blk BLANK	<10
*Std GXR3	132
*Std NIM_L	40
01626	7170
01627	7160
01628	2020
01629	7730
01630	7130

Element.	Li
Method.	ICP90
Det.Lim.	10
Units.	ppm
01631	8210
01632	8480
01633	3670
01634	4610
01635	6440
01636	207
01637	5900
01638	2920
01639	1350
01640	434
01641	6150
01642	6940
*Blk BLANK	<10
*Std TAN_1	759
*Std GXR3	134
01643	6890
01644	6730
01645	5070
01646	5310
01647	149
01648	446
01649	330
01650	146
01651	106
01652	87
01653	50
01654	48
01655	6410
01656	7810
01657	3640
01658	8980
01659	4680
*Blk BLANK	<10
*Std NIM_L	42
*Std TAN_1	794
01660	167
01661	2530
01662	4040
01663	901
01664	205
01665	1300
01666	299
01667	4000
01668	5100
01669	122

Element.	Li
Method.	ICP90
Det.Lim.	10
Units.	ppm
01670	1130
01671	734
01672	185
01673	4390
01674	2050
01675	2110
01676	1010
*Blk BLANK	<10
*Std GXR3	128
*Std NIM_L	45
01677	1110
01678	242
01679	150
01680	5740
01681	4380
01682	6920
01683	213
01684	4920
01685	4760
01686	5690
01687	301
01688	188
01689	358
01690	214
01691	559
01692	462
01693	519
*Blk BLANK	<10
*Std TAN_1	792
*Std GXR3	125
01694	775
01695	670
57993	339
57994	110
57995	379
57996	241
57997	365
57998	482
57999	226
*Dup 28992	1470
*Dup 01604	780
*Dup 01616	1550
*Dup 01628	2070
*Dup 01640	443
*Dup 01652	87

Element.	Li
Method.	ICP90
Det.Lim.	10
Units.	ppm
*Dup 01664	194
*Dup 01676	956
*Blk BLANK	<10
*Std NIM_L	41
*Std TAN_1	785
*Dup 01688	211
*Dup 57997	399
*Blk BLANK	<10
*Std GXR3	124
*Std NIM_L	47

XRAL Laboratories
A Division of SGS Canada Inc.

1885 Leslie Street
Don Mills, Ontario
Canada M3B 3J4
Telephone (416) 445-5755
Fax (416) 445-4152

CERTIFICATE OF ANALYSIS

Work Order: 064270

To: **Avalon Ventures Ltd**
Attn: **Ian Campbell**

851 Field Street
THUNDER BAY
ONTARIO, CANADA P7B 6B6

Date : 18/10/01

Copy 1 to :

P.O. No.	:	
Project No.	:	518
No. of Samples	:	4 Core
Date Submitted	:	17/07/01
Report Comprises	:	Cover Sheet plus Pages 1 to 2

CORRECTED REPORT

Distribution of unused material:
Pulps: STORE
Rejects: STORE

Certified By :

Dr. Hugh de Souza, General Manager
XRAL Laboratories

ISO 9002 REGISTERED

Subject to SGS General Terms and Conditions

Report Footer:

L.N.R.	= Listed not received	I.S.	= Insufficient Sample
n.a.	= Not applicable	--	= No result
*INF	= Composition of this sample makes detection impossible by this method		

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

XRAL Laboratories
A Division of SGS Canada Inc.

Work Order: 064270 **Date:** 18/10/01 **PRELIMINARY**

Element.	Ta	Nb	Sn	Rb	Cs
Method.	XRF7	XRF7	XRF7	XRF7	XRF7
Det.Lim.	5	2	5	2	5
Units.	ppm	ppm	ppm	ppm	ppm
*Std NIM_L	26	854	7	210	<5
01696	93	113	7	5520	120
01697	21	63	<5	1100	254
01698	63	53	3860	757	40
01699	26	73	6	2930	18
*Dup 01696	93	113	8	5570	121

Element.	Li
Method.	ICP90
Det.Lim.	10
Units.	ppm
01696	6670
01697	981
01698	144
01699	510
*Dup 01696	4530
*Blk BLANK	< 10
*Std NIM_L	42
*Std NIST183	17490

2.23313

XRAL Laboratories
A Division of SGS Canada Inc.

1885 Leslie Street
Don Mills, Ontario
Canada M3B 3J4
Telephone (416) 445-5755
Fax (416) 445-4152

CERTIFICATE OF ANALYSIS

Work Order: 067402

To: **Avalon Ventures Ltd**
Attn: Jeff Morgan

851 Field Street
THUNDER BAY
ONTARIO, CANADA P7B 6B6

Date : 18/03/02

Copy 1 to :

P.O. No.	:	POH#063508
Project No.	:	518
No. of Samples	:	38 Core
Date Submitted	:	11/03/02
Report Comprises	:	Cover Sheet plus Pages 1 to 1

Distribution of unused material:
Pulps: Store
Rejects: STORE

Certified By :

Dr. Hugh de Souza, General Manager
XRAL Laboratories

ISO 9002 REGISTERED

Subject to SGS General Terms and Conditions

Report Footer:

L.N.R.	= Listed not received	I.S.	= Insufficient Sample
n.a.	= Not applicable	--	= No result
*INF	= Composition of this sample makes detection impossible by this method		

M_t after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

XRAL Laboratories
A Division of SGS Canada Inc.

Work Order: 067402 **Date:** 18/03/02 **FINAL**

Element.	Sn
Method.	MS90
Det.Lim.	1
Units.	ppm
28801	354
28802	331
28803	425
28804	474
28805	518
28806	481
28807	535
28808	444
28809	364
28810	347
28811	361
28812	413
28813	555
28814	567
28815	570
28816	229
28817	126
28818	489
28819	321
28820	440
28821	629
28822	517
28823	417
28824	500
28825	419
28826	147
28827	160
28828	8
28829	9
28830	9
28831	33
28832	3
28833	23
28834	32
28835	49
28836	24
28837	4
28838	4
*Dup 28801	377
*Dup 28813	572
*Dup 28825	394
*Dup 28837	4
*Blk BLANK	<1
*Std KC_1A	6050

XRAL Laboratories
A Division of SGS Canada Inc.

1885 Leslie Street
Don Mills, Ontario
Canada M3B 3J4
Telephone (416) 445-5755
Fax (416) 445-4152

CERTIFICATE OF ANALYSIS

Work Order: 067283

To: **Avalon Ventures Ltd**
Attn: Karen Rees

851 Field Street
THUNDER BAY
ONTARIO, CANADA P7B 6B6

Date : 07/03/02

Copy 1 to :

P.O. No.	:	POH#063542
Project No.	:	518
No. of Samples	:	57 Core
Date Submitted	:	27/02/02
Report Comprises	:	Cover Sheet plus Pages 1 to 2

Distribution of unused material:
Pulps: STORE
Rejects: STORE

Certified By :

Dr. Hugh de Souza, General Manager
XRAL Laboratories

ISO 9002 REGISTERED

Subject to SGS General Terms and Conditions

Report Footer:

L.N.R.	= Listed not received	I.S.	= Insufficient Sample
n.a.	= Not applicable	--	= No result
*INF	= Composition of this sample makes detection impossible by this method		

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Work Order: 067283 **Date:** 07/03/02 **FINAL**

Element.	Sn
Method.	MS95
Det.Lim.	1
Units.	ppm
28839	115
28840	143
28841	52
28842	1040
28843	399
28844	144
28845	38
28846	212
28847	53
28848	157
28849	79
28850	163
28851	138
28852	141
28853	118
28854	114
28855	109
28856	126
28857	100
28858	64
28859	149
28860	122
28861	117
28862	72
28863	62
28864	227
28865	318
28866	265
28867	979
28868	44
28869	62
28870	56
28871	118
28872	137
28873	6650
28874	215
28875	96
28876	86
*Blk BLANK	< 1
*Std SO3	< 1
28877	87
28878	50
28879	74
28880	169
28881	6

Element.	Sn
Method.	MS95
Det.Lim.	1
Units.	ppm
28882	165
28883	107
28884	48
28885	68
28886	39
28887	171
28888	44
28889	78
28890	37
28891	68
28892	62
28893	110
28894	50
28895	100
*Dup 28839	118
*Dup 28851	150
*Dup 28863	67
*Dup 28875	83
*Dup 28887	157
*Blk BLANK	<1
*Std SO3	<1

XRAL Laboratories
A Division of SGS Canada Inc.

1885 Leslie Street
Don Mills, Ontario
Canada M3B 3J4
Telephone (416) 445-5755
Fax (416) 445-4152

CERTIFICATE OF ANALYSIS

Work Order: 067405

To: **Avalon Ventures Ltd**
Attn: Jeff Morgan

851 Field Street
THUNDER BAY
ONTARIO, CANADA P7B 6B6

Date : 19/03/02

Copy 1 to :

P.O. No.	:	POH#063557
Project No.	:	518
No. of Samples	:	96 Core
Date Submitted	:	11/03/02
Report Comprises	:	Cover Sheet plus Pages 1 to 3

Distribution of unused material:
Pulps: STORE
Rejects: STORE

Certified By :

Dr. Hugh de Souza, General Manager
XRAL Laboratories

ISO 9002 REGISTERED

Subject to SGS General Terms and Conditions

Report Footer:

L.N.R.	= Listed not received	I.S.	= Insufficient Sample
n.a.	= Not applicable	--	= No result
*INF	= Composition of this sample makes detection impossible by this method		

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Work Order: 067405 **Date:** 19/03/02 **FINAL**

Element.	Sn
Method.	MS90
Det.Lim.	1
Units.	ppm
28896	629
28897	132
28898	169
28899	311
28900	327
28901	337
28902	471
28903	580
28904	584
28905	238
28906	216
28907	437
28908	430
28909	303
28910	191
28911	143
28912	1160
28913	950
28914	503
28915	204
28916	2820
28917	325
28918	315
28919	325
28920	362
28921	365
28922	231
28923	344
28924	206
28925	164
28926	340
28927	519
28928	444
28929	388
28930	746
28931	1020
28932	417
28933	462
28934	835
28935	771
28936	431
28937	4660
28938	348
28939	151
28940	1310

Element.	Sn
Method.	MS90
Det.Lim.	1
Units.	ppm
28941	881
*Blk BLANK	<1
*Std PACS_1	48
28942	375
28943	615
28944	383
28945	3140
28946	1630
28947	1070
28948	277
28949	360
28950	376
28951	162
28952	1090
28953	142
28954	491
28955	178
28956	297
28957	426
28958	377
28959	507
28960	418
28961	584
28962	383
28963	503
28964	370
28965	348
28966	545
28967	478
28968	418
28969	1430
28970	736
28971	153
28972	395
28973	1230
28974	275
28975	205
28976	435
28977	1460
28978	406
28979	448
28980	426
28981	501
28982	414
28983	253

Work Order: 067405 **Date:** 19/03/02 **FINAL**

Element.	Sn
Method.	MS90
Det.Lim.	1
Units.	ppm
28984	500
28985	543
28986	218
28987	510
*Blk BLANK	<1
*Std MP1A	>10000
28988	534
28989	446
28990	610
28991	536
*Dup 28896	633
*Dup 28908	473
*Dup 28920	402
*Dup 28932	382
*Dup 28944	385
*Dup 28956	311
*Dup 28968	394
*Dup 28980	383
*Blk BLANK	<1
*Std PACS_1	49

XRAL Laboratories
A Division of SGS Canada Inc.

1885 Leslie Street
Don Mills, Ontario
Canada M3B 3J4
Telephone (416) 445-5755
Fax (416) 445-4152

CERTIFICATE OF ANALYSIS

Work Order: 067406

To: **Avalon Ventures Ltd**
Attn: Jeff Morgan

Date : 22/03/02

851 Field Street
THUNDER BAY
ONTARIO, CANADA P7B 6B6

Copy 1 to :

P.O. No.	:	POH#063582
Project No.	:	518
No. of Samples	:	111 Core
Date Submitted	:	11/03/02
Report Comprises	:	Cover Sheet plus Pages 1 to 3

Distribution of unused material:
Pulps: STORE
Rejects: STORE

Certified By :

Dr. Hugh de Souza, General Manager
XRAL Laboratories

ISO 9002 REGISTERED

Subject to SGS General Terms and Conditions

Report Footer:

L.N.R.	= Listed not received	I.S.	= Insufficient Sample
n.a.	= Not applicable	--	= No result
*INF	= Composition of this sample makes detection impossible by this method		

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Work Order: 067406 **Date:** 22/03/02 **FINAL**

Element.	Sn
Method.	MS90
Det.Lim.	1
Units.	ppm
28992	160
28993	123
28994	118
28995	204
28996	197
28997	150
28998	53
28999	22
29000	100
01601	48
01602	158
01603	211
01604	155
01605	127
01606	253
01607	1440
01608	76
01609	104
01610	138
01611	397
01612	238
01613	213
01614	191
01615	180
01616	230
01617	178
01618	160
01619	396
01620	136
01621	212
01622	171
01623	47
01624	84
01625	233
01626	68
01627	102
01628	185
01629	90
01630	98
01631	299
01632	119
01633	157
01634	209
01635	237
01636	21

Element.	Sn
Method.	MS90
Det.Lim.	1
Units.	ppm
01637	115
*Blk BLANK	<1
*Std MP2	428
01638	138
01639	119
01640	122
01641	323
01642	104
01643	433
01644	716
01645	170
01646	325
01647	408
01648	95
01649	16
01650	31
01651	41
01652	19
01653	3
01654	5
01655	112
01656	133
01657	142
01658	34
01659	132
01660	269
01661	56
01662	200
01663	107
01664	294
01665	963
01666	9910
01667	220
01668	23
01669	584
01670	107
01671	89
01672	211
01673	101
01674	159
01675	160
01676	70
01677	99
01678	334
01679	250

Element.	Sn
Method.	MS90
Det.Lim.	1
Units.	ppm
01680	55
01681	199
01682	262
01683	111
*Blk BLANK	<1
*Std KC_1A	6180
01684	166
01685	96
01686	286
01687	3550
01688	660
01689	552
01690	231
01691	579
01692	900
01693	301
01694	408
01695	2860
57993	558
57994	667
57995	472
57996	50
57997	41
57998	86
57999	354
*Dup 28992	175
*Dup 01604	168
*Dup 01616	211
*Dup 01628	200
*Dup 01640	135
*Dup 01652	17
*Dup 01664	320
*Dup 01676	76
*Dup 01688	595
*Dup 57997	46
*Blk BLANK	<1
*Std MP2	472

XRAL Laboratories
A Division of SGS Canada Inc.

1885 Leslie Street
Don Mills, Ontario
Canada M3B 3J4
Telephone (416) 445-5755
Fax (416) 445-4152

CERTIFICATE OF ANALYSIS

Work Order: 067407

To: **Avalon Ventures Ltd**
Attn: Ian Campbell

851 Field Street
THUNDER BAY
ONTARIO, CANADA P7B 6B6

Date : 15/03/02

Copy 1 to :

P.O. No.	:	POH#064270
Project No.	:	518
No. of Samples	:	4 Core
Date Submitted	:	11/03/02
Report Comprises	:	Cover Sheet plus Pages 1 to 1

Distribution of unused material:
Pulps: STORE
Rejects: STORE

Certified By :

Dr. Hugh de Souza, General Manager
XRAL Laboratories

ISO 9002 REGISTERED

Subject to SGS General Terms and Conditions

Report Footer:

L.N.R.	= Listed not received	I.S.	= Insufficient Sample
n.a.	= Not applicable	--	= No result
*INF	= Composition of this sample makes detection impossible by this method		

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

XRAL Laboratories
A Division of SGS Canada Inc.

Work Order: 067407 **Date:** 15/03/02 **FINAL**

Element.	Sn
Method.	MS90
Det.Lim.	1
Units.	ppm
01696	327
01697	162
01698	4660
01699	49
*Dup 01696	334
*Blk BLANK	< 1
*Std MP2	454

Work Report Summary

Transaction No: W0210.00577 **Status:** APPROVED
Recording Date: 2002-APR-05 **Work Done from:** 2001-APR-21
Approval Date: 2002-MAY-14 **to:** 2001-MAY-31

Client(s):

301086 AVALON VENTURES LTD.

Survey Type(s):

ASSAY PDRILL

Work Report Details:

Claim#	Perform	Perform Approve	Applied	Applied Approve	Assign	Assign Approve	Reserve	Reserve Approve	Due Date
K 1178349	$183,775	$183,775	$0	$0	$48,000	48,000	$135,775	$135,775	2004-JUL-26
K 1220988	$0	$0	$12,000	$12,000	$0	0	$0	$0	2005-FEB-07
K 1220989	$0	$0	$9,600	$9,600	$0	0	$0	$0	2005-FEB-07
K 1220990	$0	$0	$800	$800	$0	0	$0	$0	2005-FEB-07
K 1247023	$0	$0	$12,800	$12,800	$0	0	$0	$0	2005-FEB-01
K 1247024	$0	$0	$12,800	$12,800	$0	0	$0	$0	2005-FEB-01
	$183,775	$183,775	$48,000	$48,000	$48,000	$48,000	$135,775	$135,775	

External Credits: $0

Reserve:

$135,775 Reserve of Work Report#: W0210.00577

$135,775 Total Remaining

Status of claim is based on information currently on record.

52L07SE2012 2.23313 PATERSON LAKE 900

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Ontario

Date: 2002-MAY-14

GEOSCIENCE ASSESSMENT OFFICE
933 RAMSEY LAKE ROAD, 6th FLOOR
SUDBURY, ONTARIO
P3E 6B5

Tel: (888) 415-9845
Fax:(877) 670-1555

AVALON VENTURES LTD.
851 FIELD STREET
THUNDER BAY, ONTARIO
P7B 6B6 CANADA

Submission Number: 2.23313
Transaction Number(s): W0210.00577

Dear Sir or Madam

Subject: Approval of Assessment Work

We have approved your Assessment Work Submission with the above noted Transaction Number(s). The attached Work Report Summary indicates the results of the approval.

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

If you have any question regarding this correspondence, please contact STEVEN BENETEAU by email at steve.beneteau@ndm.gov.on.ca or by phone at (705) 670-5855.

Yours Sincerely,

Ron Gashinski
Senior Manager, Mining Lands Section

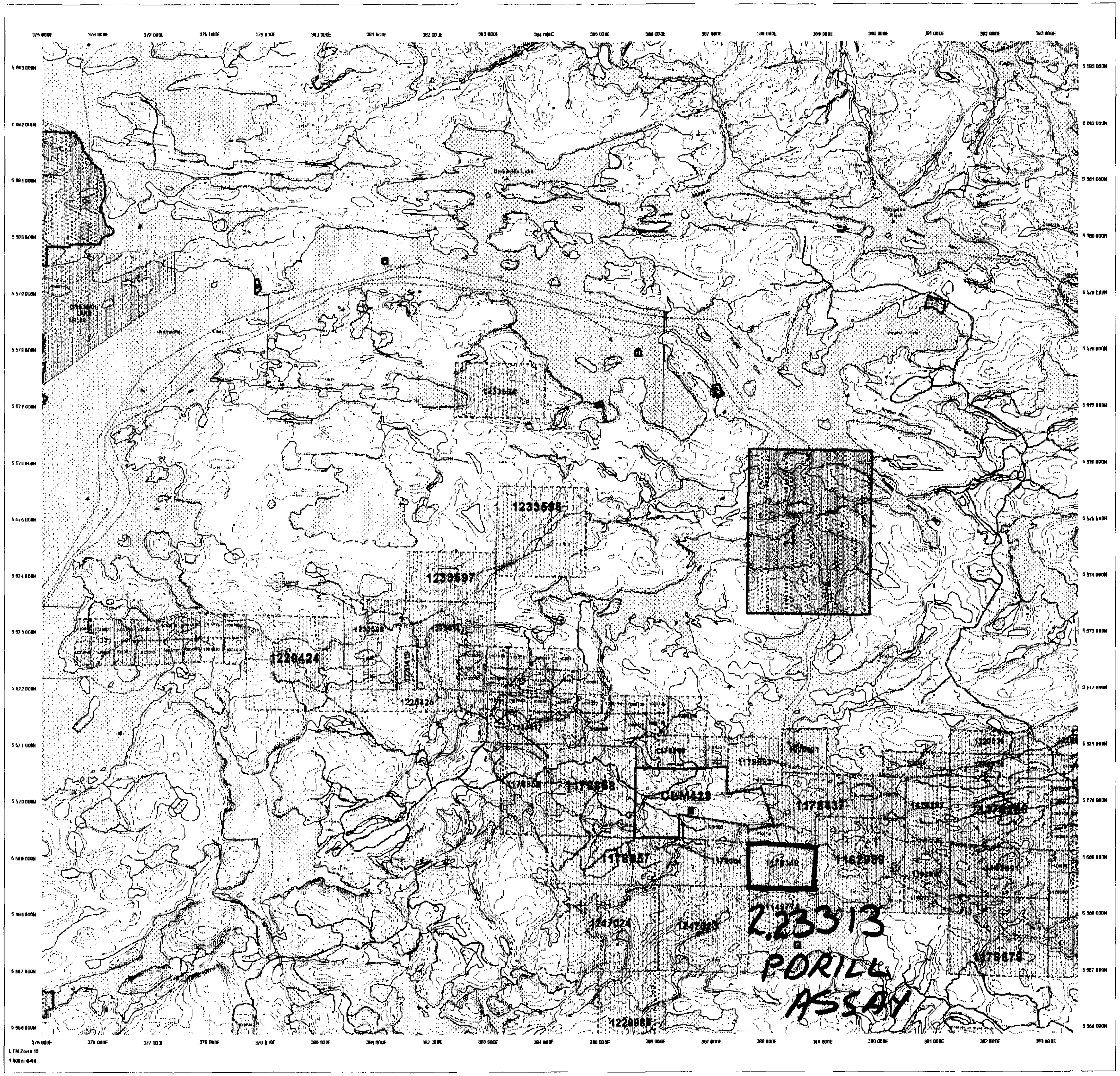
Cc: Resident Geologist

Avalon Ventures Ltd.
(Claim Holder)

Karen Rees
(Agent)

Assessment File Library

Avalon Ventures Ltd.
(Assessment Office)



UTM Zone 15

MINING LAND TENURE MAP

MINISTRY OF NORTHERN DEVELOPMENT AND MINES

PROVINCIAL MINING RECORDER'S OFFICE

Date / Time of Issue Sep 10 2001 16:16h Eastern

TOWNSHIP / AREA PATERSON LAKE A

PLAN G-2634

ADMINISTRATIVE DISTRICTS / DIVISIONS

Mining Division	Kenora
Land Titles/Registry Division	KENORA
Ministry of Natural Resources District	KENORA

TOPOGRAPHIC

LAND TENURE

Mining Claim

LAND TENURE WITHDRAWALS

IMPORTANT NOTICES

0 Km 3.0 Km

LAND TENURE WITHDRAWAL DESCRIPTIONS

Identifier	Type	Date	Description
577	Wsm	Jan 1 2001	FLOODING LAND & LAND UNDER WATER OF TWELNOR L., ROUTANE L. & SONE L. BELOW C 1040 FT. G.S.C DATUM 1919 RES. TO HEPC OF ON. FOR THE DEV. OF WP AT CARIBOU FALLS O THE ENGLISH R. PLAN: U2-27.03/1566 (HEPC PLAN 800-3359) WPLA 60 12/2160 FILE: 3417
589	Wsm	Jan 1 2001	WLS/82 247/92 S.R.AM.R. 184222
607	Wsm	Jan 1 2001	FLOODING H.E.P.C. ELEVATION: 1040 FT. FILE: 34179 PLAN: U2-27 H.E.P.C. PLAN: 800-3360
609	Wsm	Jan 1 2001	LUP DISPOSITION LANDING ACCESS AREA
613	Wsm	Jan 1 2001	FLOODING RIGHTS TO CONTOUR ELEVATION 1040 FT MINING CLAIMS STAKED IN THE VICINITY, SUBJECT TO FLOODING. SEE FILES: 34179 (VOL.2) & 69307
627	Wsm	Jan 1 2001	AREA WITHDRAWN FROM STAKING, FILES: 34179-VOL.2, 69307
714	Wsm	Jan 1 2001	WP.L.A. No. 56
715	Wsm	Jan 1 2001	FLOODING H.E.P.C. ELEVATION: 1040 FT. FILE: 34179 PLAN: U2-27 H.E.P.C. PLAN: 800-3360
679	Wsm	Jan 1 2001	FLOODING RIGHTS RESERVED SEE FILE 34179-(VOL.2) AND 69307

IMPORTANT NOTICES

Areas under which special regulations, limitations or conditions exist that affect normal prospecting, staking and mineral development activities

General Information and Limitations

52L07SE2012 2.23313 PATERSON LAKE 200


386500 mE
387000 mE
387500 mE
388000 mE
388500 mE
389000 mE
5569500 mN
5569000 mN
5568500 mN
CLM 428
1178306
1178305
1178304
1178857
1178349
1247023
98-49
98-50
98-46
98-55
LEGEND
Stripped Area
01-58
Diamond Drill Hole
AVALON VENTURES LTD.
SEPARATION RAPIDS PROPERTY
DIAMOND DRILL HOLE PLAN
Date:28/03/2002
Author: P.N.
Office: Thunder Bay
Drawing: PL02-1
Scale: 1:2500
Projection: UTM Zone 15 (NAD 83)
0 25 50 100
metres

GEOLOGICAL LEGEND

7	Pegmatitic Granite (Separation Rapids)
6d	Lepidolite Petalite Albite K-Feldspar
6c	Petalite Albite K-Feldspar Mica
6b	Petalite K-Feldspar Albite
6a	Petalite K-Feldspar (Albite Quartz)
5	Quartz Mica Feldspar
4	Megacrystic K-Feldspar Albite (Mica Quartz)
3b	K-Feldspar Albite (Quartz Mica)
3a	Albitite K-Feldspar (Mica Quartz)
2	Pegmatitic Granite (Winnipeg River)
1a	Gabbroic Amphibolite
1	Amphibolite
IF	Iron Formation

Average 0.013 / 3.02m — -% Ta2O5 / - metres

0.118 0.054 — % Ta2O

0.293 0.065 — % Li2O

> 0.01% Ta2O5

AVALON VENTURES LTD.	
	SEPARATION RAPIDS PROPERTY DRILL HOLE SECTION 175W
Date:18/02/2002	
Author: P.N.	
Office: Thunder Bay	
Drawing:	
Scale: 1:500	Projection: UTM NAD83 Zone 15

0 7.5 15 30
metres

52U07SE0012 2.13313 PATERSON LAKE

220

GEOLOGICAL LEGEND

7	Pegmatitic Granite (Separation Rapids)
6d	Lepidolite Petalite Albite K-Feldspar
6c	Petalite Albite K-Feldspar Mica
6b	Petalite K-Feldspar Albite
6a	Petalite K-Feldspar (Albite Quartz)
5	Quartz Mica Feldspar
4	Megacrystic K-Feldspar Albite (Mica Quartz)
3b	K-Feldspar Albite (Quartz Mica)
3a	Albite K-Feldspar (Mica Quartz)
2	Pegmatitic Granite (Winnipeg River)
1a	Gabbroic Amphibolite
1	Amphibolite
IF	Iron Formation

Average 0.011 -% Ta2O5
3.02m - metres

0.118 0.042 % Ta2O
0.250 0.046 % Li2O
> 0.01% Ta2O5

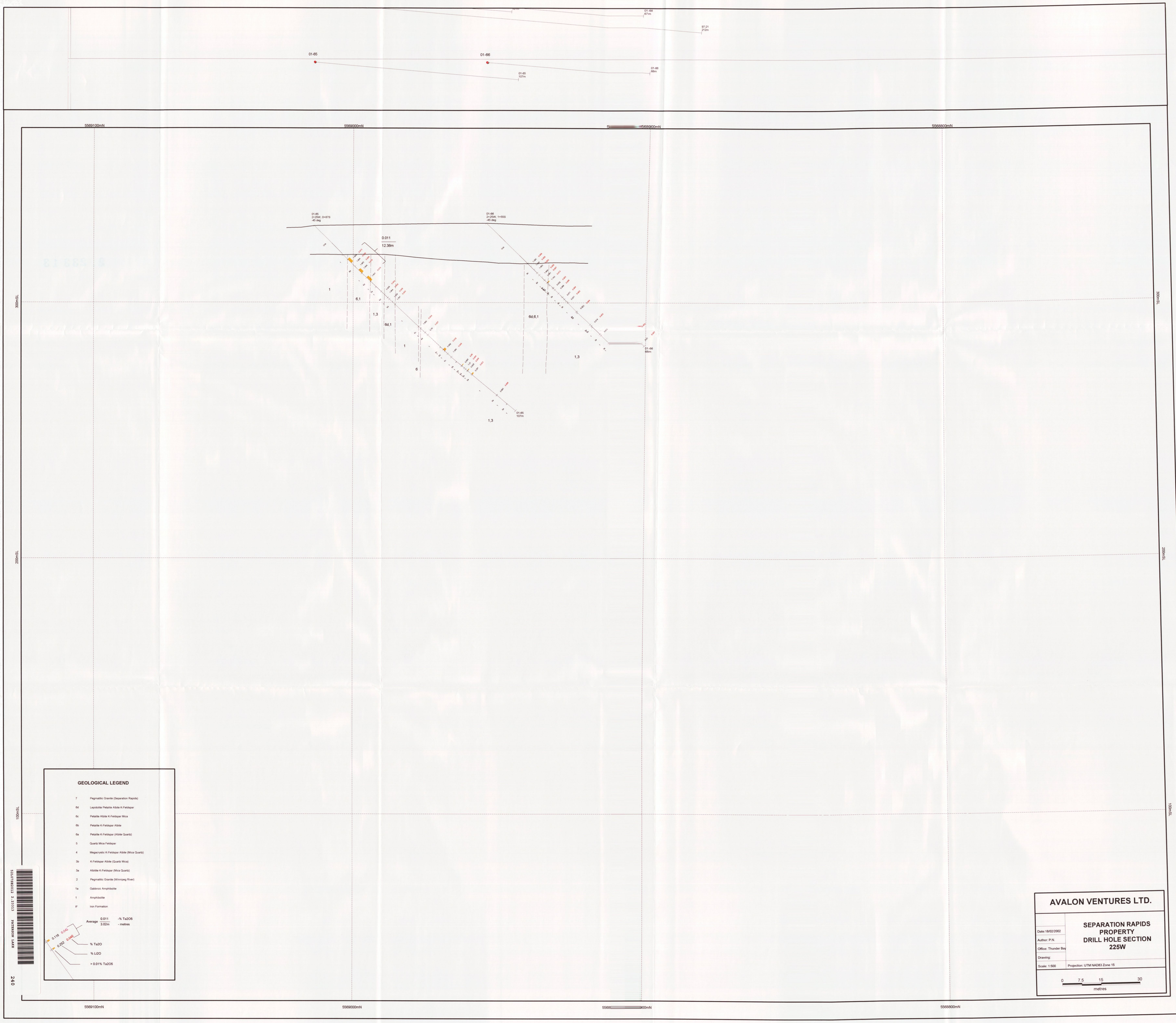
52L07SE2012 2.23133 PATERSON LAKE 230

AVALON VENTURES LTD.

SEPARATION RAPIDS PROPERTY
DRILL HOLE SECTION
200W

Date: 18/02/2002
Author: P.N.
Office: Thunder Bay
Drawing:
Scale: 1:500
Projection: UTM NAD83 Zone 15

0 7.5 15 30
metres



GEOLOGICAL LEGEND

7	Pegmatitic Granite (Separation Rapids)
6d	Lepidolite Petalite Albite K-Feldspar
6c	Petalite Albite K-Feldspar Mica
6b	Petalite K-Feldspar Albite
6a	Petalite K-Feldspar (Albite Quartz)
5	Quartz Mica Feldspar
4	Megacrystic K-Feldspar Albite (Mica Quartz)
3b	K-Feldspar Albite (Quartz Mica)
3a	Albitite K-Feldspar (Mica Quartz)
2	Pegmatitic Granite (Winnipeg River)
1a	Gabbroic Amphibolite
1	Amphibolite
IF	Iron Formation

Average 0.011 / 3.02m — -% Ta2O5 / - metres

0.118 0.044 — % Ta2O

0.282 0.046 — % Li2O

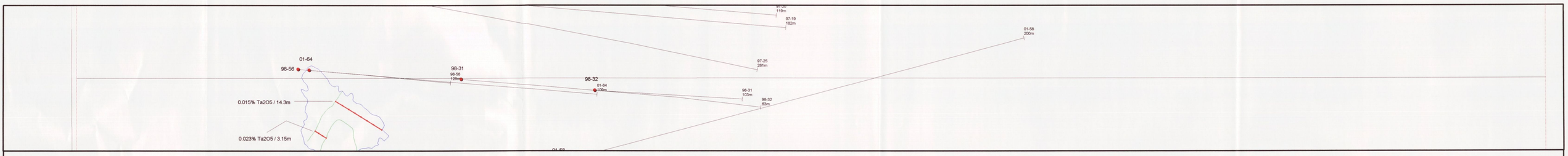
> 0.01% Ta2O5

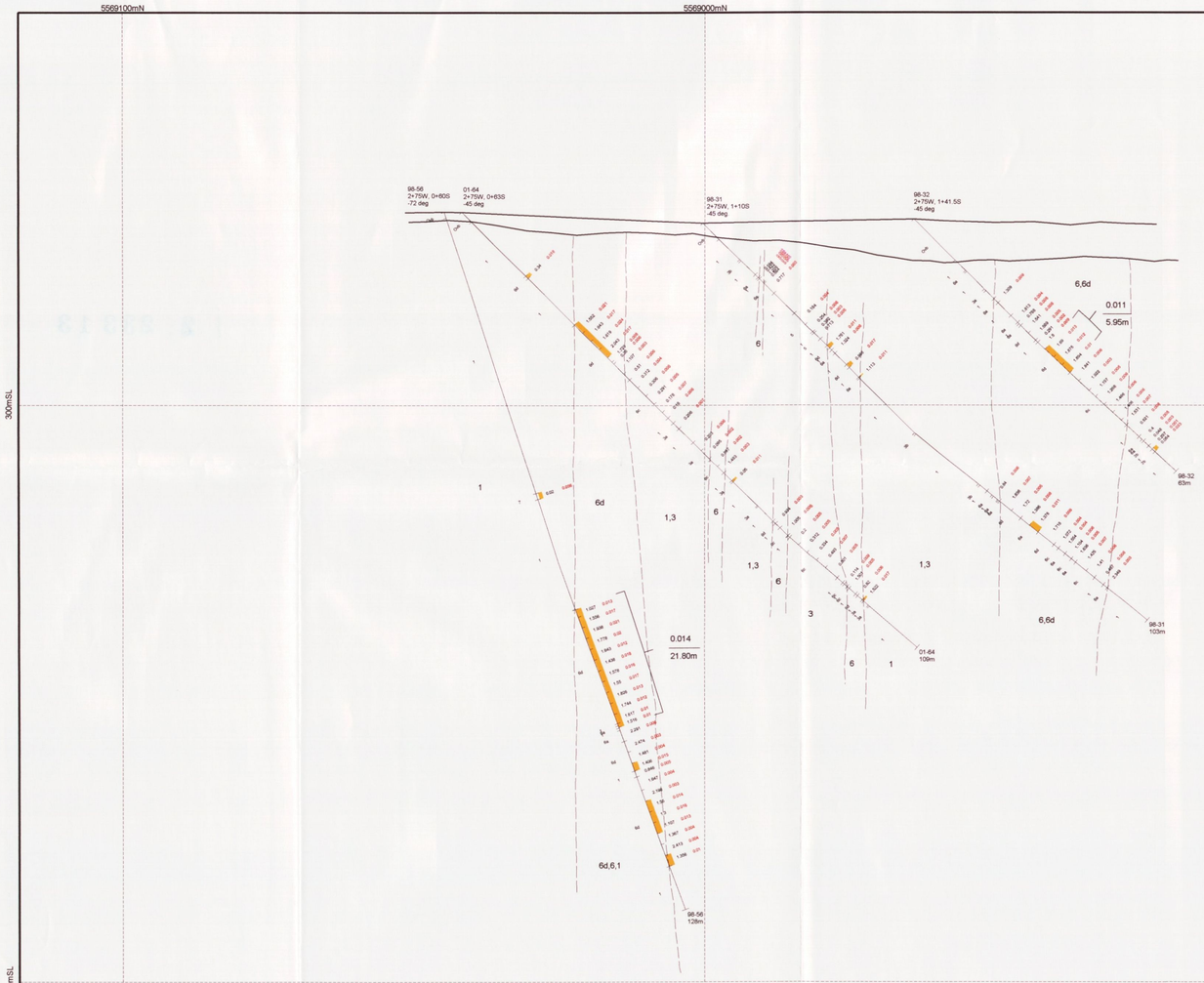
5510728213 2 23113 PATERSON LAKE

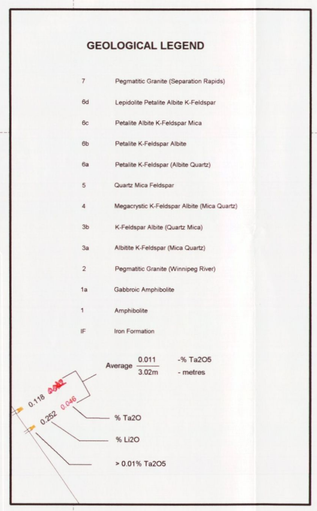
240

AVALON VENTURES LTD.	
	SEPARATION RAPIDS PROPERTY DRILL HOLE SECTION 225W
Date:18/02/2002	
Author: P.N.	
Office: Thunder Bay	
Drawing:	
Scale: 1:500	Projection: UTM NAD83 Zone 15

0 7.5 15 30
metres







GEOLOGICAL LEGEND

7	Pegmatitic Granite (Separation Rapids)
6d	Lepidolite Petalite Albite K-Feldspar
6c	Petalite Albite K-Feldspar Mica
6b	Petalite K-Feldspar Albite
6a	Petalite K-Feldspar (Albite Quartz)
5	Quartz Mica Feldspar
4	Megacrystic K-Feldspar Albite (Mica Quartz)
3b	K-Feldspar Albite (Quartz Mica)
3a	Albitite K-Feldspar (Mica Quartz)
2	Pegmatitic Granite (Winnipeg River)
1a	Gabbroic Amphibolite
1	Amphibolite
IF	Iron Formation

5210758202012 2:2313 PATERSON LAKE

250

AVALON VENTURES LTD.

SEPARATION RAPIDS
PROPERTY
DRILL HOLE SECTION
275W

Date: 18/02/2002
Author: P.N.
Office: Thunder Bay
Drawing:
Scale: 1:500
Projection: UTM NAD83 Zone 15

0 7.5 15 30
metres

GEOLOGICAL LEGEND

7	Pegmatitic Granite (Separation Rapids)
6d	Lepidolite Petalite Albite K-Feldspar
6c	Petalite Albite K-Feldspar Mica
6b	Petalite K-Feldspar Albite
6a	Petalite K-Feldspar (Albite Quartz)
5	Quartz Mica Feldspar
4	Megacrystic K-Feldspar Albite (Mica Quartz)
3b	K-Feldspar Albite (Quartz Mica)
3a	Albitite K-Feldspar (Mica Quartz)
2	Pegmatitic Granite (Winnipeg River)
1a	Gabbroic Amphibolite
1	Amphibolite
IF	Iron Formation

Average 0.011 -% Ta2O5
3.02m - metres

0.118 0.042 % Ta2O
0.262 0.046 % Li2O
> 0.01% Ta2O5

52C07SE2012 2.23313 PATERSON LAKE

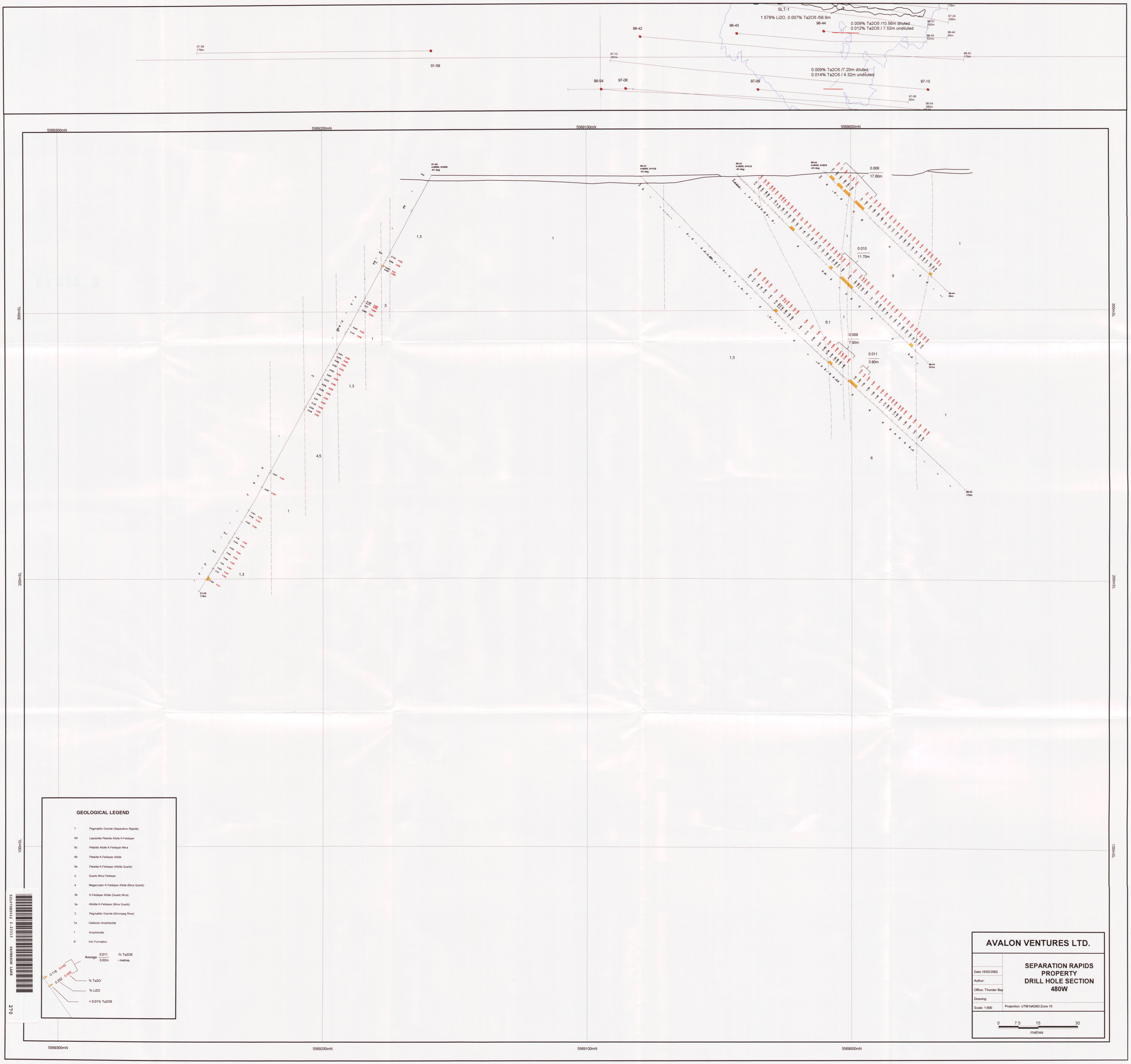
260

AVALON VENTURES LTD.

SEPARATION RAPIDS PROPERTY
DRILL HOLE SECTION
01-58

Date:20/2/2002
Author:
Office: Thunder Bay
Drawing:
Scale: 1:500
Projection: UTM NAD83 Zone 15

0 7.5 15 30
metres



GEOLOGICAL LEGEND

7	Pegmatitic Granite (Separation Rapids)
6d	Lepidolite Petalite Albite K-Feldspar
6c	Petalite Albite K-Feldspar Mica
6b	Petalite K-Feldspar Albite
6a	Petalite K-Feldspar (Albite Quartz)
5	Quartz Mica Feldspar
4	Megacrystic K-Feldspar Albite (Mica Quartz)
3b	K-Feldspar Albite (Quartz Mica)
3a	Albitite K-Feldspar (Mica Quartz)
2	Pegmatitic Granite (Winnipeg River)
1a	Gabbroic Amphibolite
1	Amphibolite
IF	Iron Formation

Average 0.011 / 3.02m — -% Ta2O5 / - metres

0.118 0.042 — % Ta2O

0.252 0.046 — % Li2O

> 0.01% Ta2O5

52L07SE0212 2.23313 PATERSON LAKE

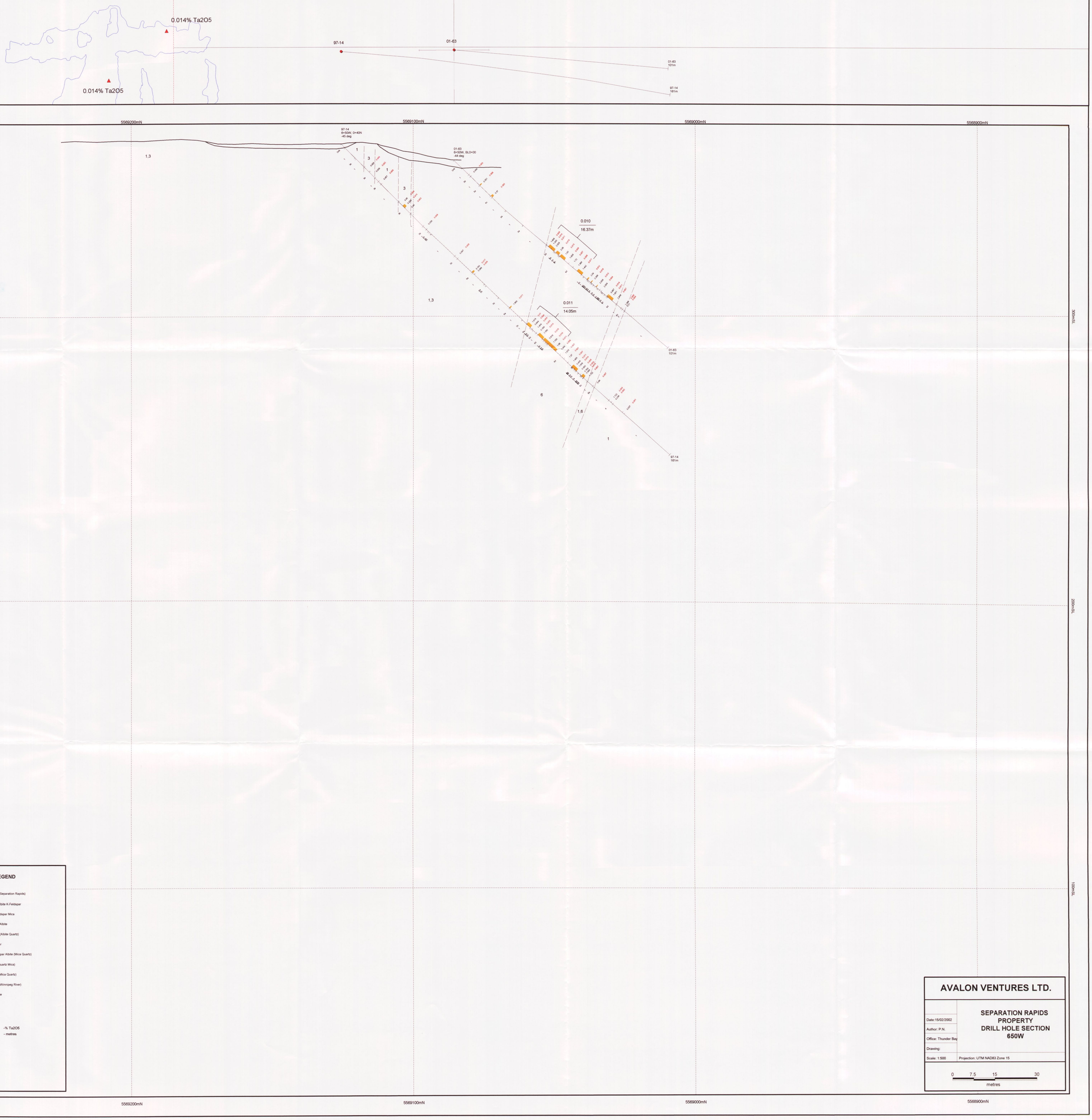
270

AVALON VENTURES LTD.

SEPARATION RAPIDS PROPERTY
DRILL HOLE SECTION
480W

Date: 15/02/2002
Author:
Office: Thunder Bay
Drawing:
Scale: 1:500
Projection: UTM NAD83 Zone 15

0 7.5 15 30
metres



GEOLOGICAL LEGEND

7	Pegmatitic Granite (Separation Rapids)
6d	Lepidolite Petalite Albite K-Feldspar
6c	Petalite Albite K-Feldspar Mica
6b	Petalite K-Feldspar Albite
6a	Petalite K-Feldspar (Albite Quartz)
5	Quartz Mica Feldspar
4	Megacrystic K-Feldspar Albite (Mica Quartz)
3b	K-Feldspar Albite (Quartz Mica)
3a	Albitite K-Feldspar (Mica Quartz)
2	Pegmatitic Granite (Winnipeg River)
1a	Gabbroic Amphibolite
1	Amphibolite
IF	Iron Formation

Average 0.013 / 3.02m — -% Ta2O5 / - metres

0.118 0.054 % Ta2O
0.252 0.055 % Li2O
> 0.01% Ta2O5

AVALON VENTURES LTD.

SEPARATION RAPIDS PROPERTY
DRILL HOLE SECTION
650W

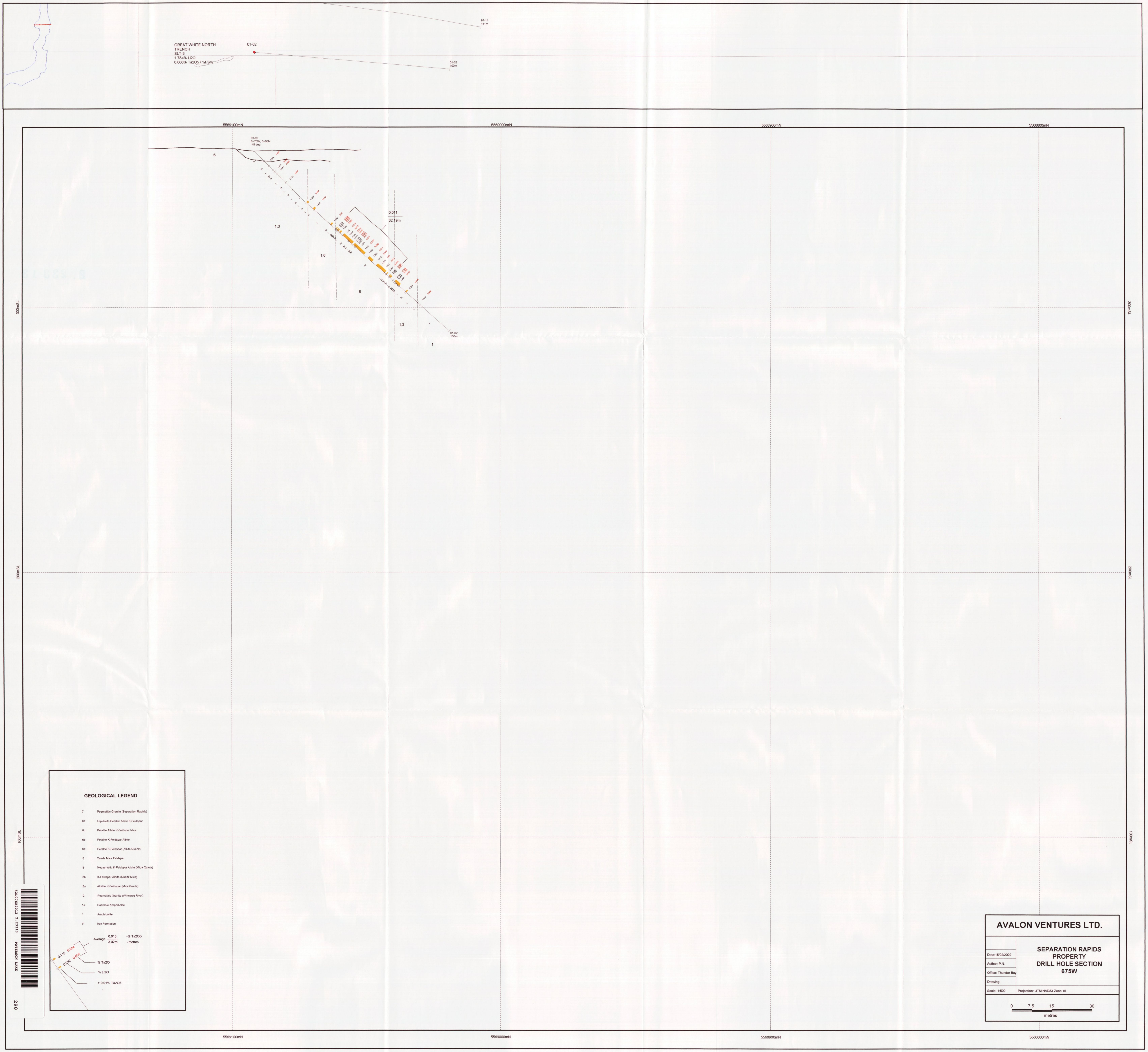
Date: 15/02/2002
Author: P.N.
Office: Thunder Bay
Drawing:
Scale: 1:500
Projection: UTM NAD83 Zone 15

0 7.5 15 30
metres

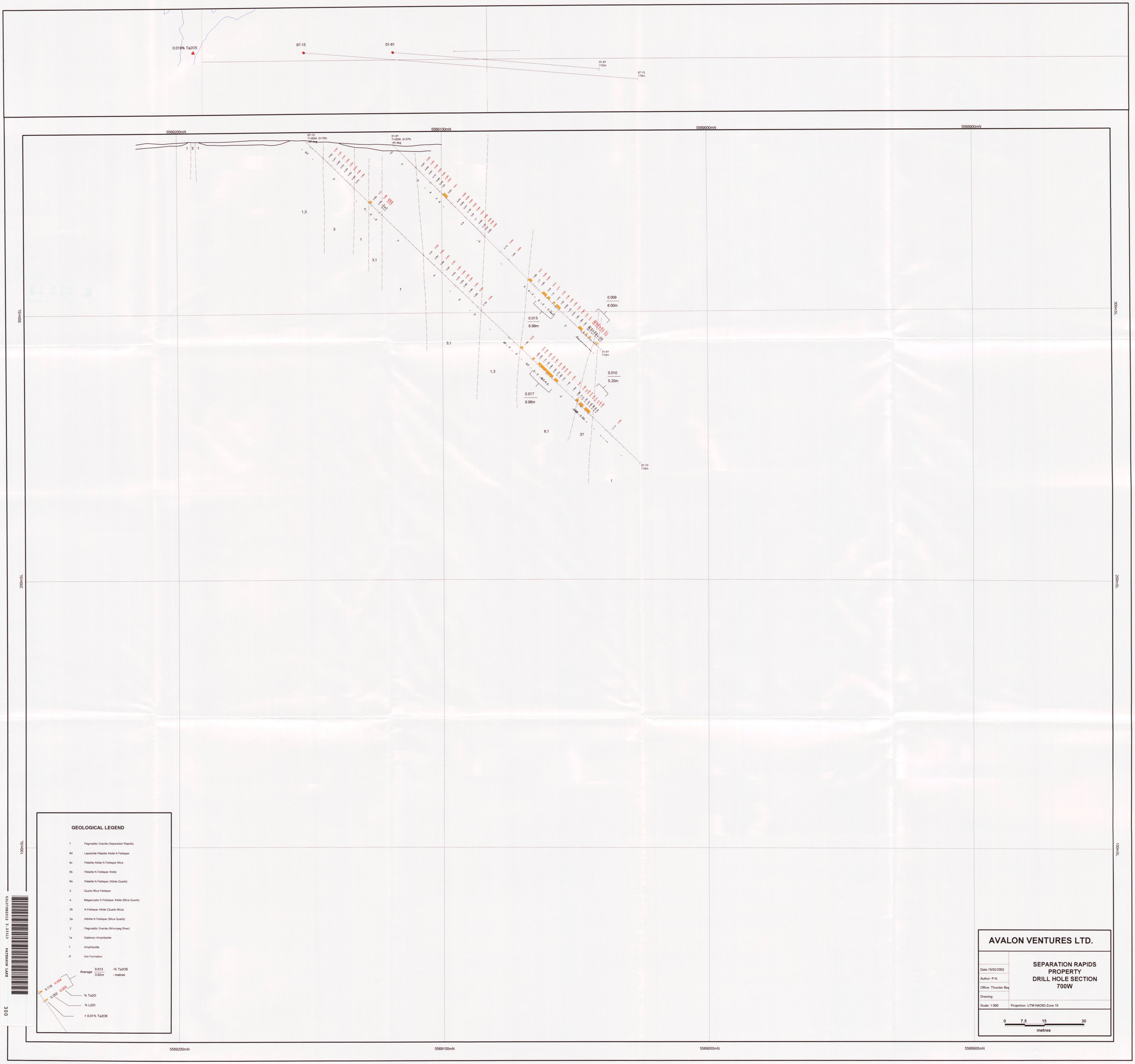
5569200mN 5569100mN 5569000mN 5568900mN

5267582212 2.23313 PATERSON LAKE

280



97-14
181m
GREAT WHITE NORTH
TRENCH
SLT-3
1.784% Li2O
0.006% Ta2O5 / 14.3m
01-62
01-62
100m
5569100mN
5569000mN
5568900mN
5568800mN
6
1,3
1,6
6
1,3
1
0.011
32.19m
01-62
100m
300mSL
200mSL
100mSL
GEOLOGICAL LEGEND
7 Pegmatitic Granite (Separation Rapids)
6d Lepidolite Petalite Albite K-Feldspar
6c Petalite Albite K-Feldspar Mica
6b Petalite K-Feldspar Albite
6a Petalite K-Feldspar (Albite Quartz)
5 Quartz Mica Feldspar
4 Megacrystic K-Feldspar Albite (Mica Quartz)
3b K-Feldspar Albite (Quartz Mica)
3a Albitite K-Feldspar (Mica Quartz)
2 Pegmatitic Granite (Winnipeg River)
1a Gabbroic Amphibolite
1 Amphibolite
IF Iron Formation
Average 0.013 / 3.02m -% Ta2O5 - metres
0.118 0.054
0.252 0.055
% Ta2O
% Li2O
> 0.01% Ta2O5
AVALON VENTURES LTD.
Date:15/02/2002
Author: P.N.
Office: Thunder Bay
Drawing:
Scale: 1:500
SEPARATION RAPIDS PROPERTY DRILL HOLE SECTION 675W
Projection: UTM NAD83 Zone 15
0 7.5 15 30
metres



GEOLOGICAL LEGEND

7	Pegmatitic Granite (Separation Rapids)
6d	Lepidolite Petalite Albite K-Feldspar
6c	Petalite Albite K-Feldspar Mica
6b	Petalite K-Feldspar Albite
6a	Petalite K-Feldspar (Albite Quartz)
5	Quartz Mica Feldspar
4	Megacrystic K-Feldspar Albite (Mica Quartz)
3b	K-Feldspar Albite (Quartz Mica)
3a	Albitite K-Feldspar (Mica Quartz)
2	Pegmatitic Granite (Winnipeg River)
1a	Gabbroic Amphibolite
1	Amphibolite
IF	Iron Formation

Average 0.013 -% Ta2O5
3.02m - metres

0.118 0.054
0.262 0.050
% Ta2O
% Li2O
> 0.01% Ta2O5

AVALON VENTURES LTD.

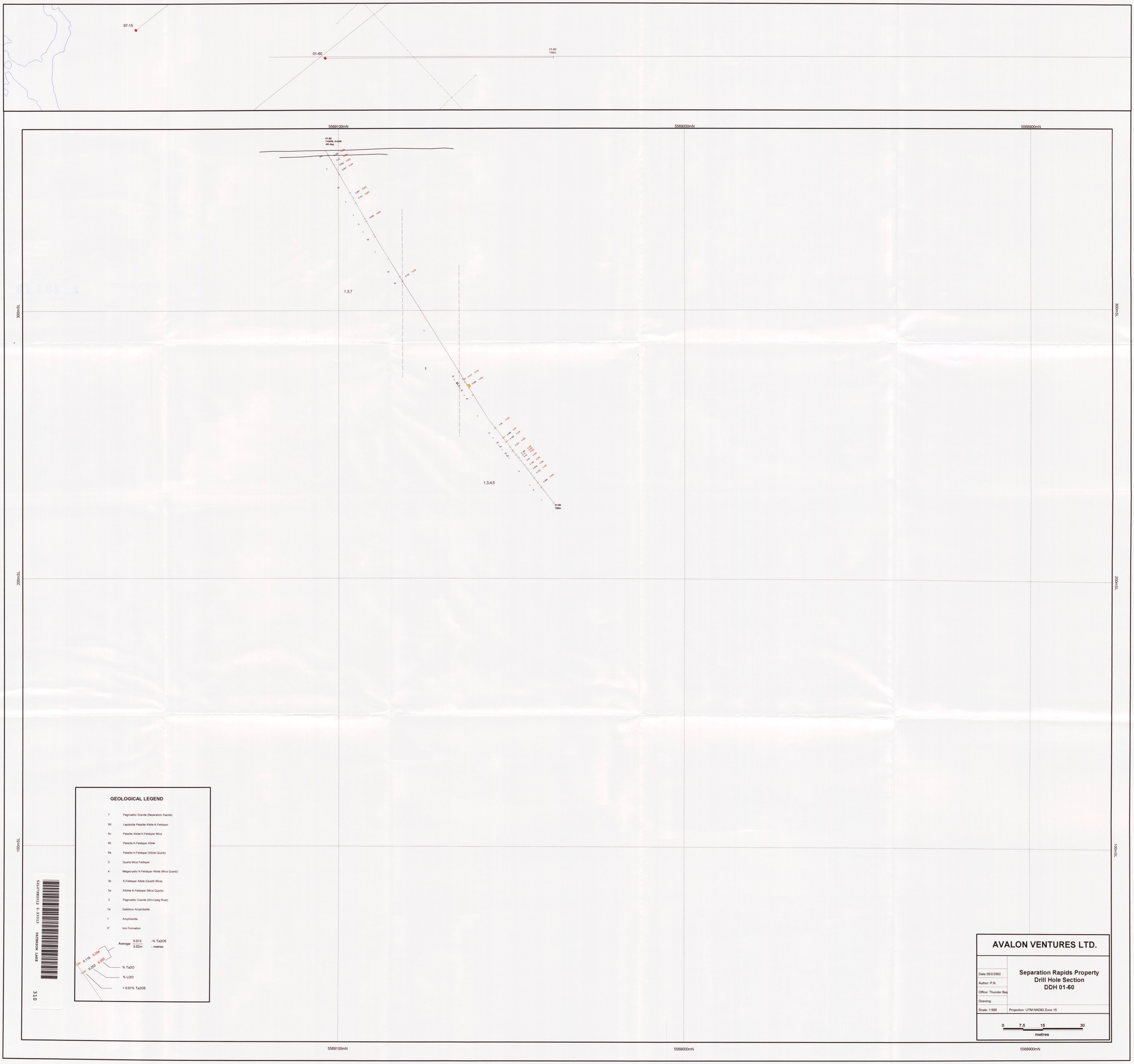
SEPARATION RAPIDS PROPERTY
DRILL HOLE SECTION
700W

Date:15/02/2002
Author: P.N.
Office: Thunder Bay
Drawing:
Scale: 1:500
Projection: UTM NAD83 Zone 15

0 7.5 15 30
metres

5250782012 2.23313 PAYNESON LAKE

300



GEOLOGICAL LEGEND

7	Pegmatitic Granite (Separation Rapids)
6d	Lepidolite Petalite Albite K-Feldspar
6c	Petalite Albite K-Feldspar Mica
6b	Petalite K-Feldspar Albite
6a	Petalite K-Feldspar (Albite Quartz)
5	Quartz Mica Feldspar
4	Megacrystic K-Feldspar Albite (Mica Quartz)
3b	K-Feldspar Albite (Quartz Mica)
3a	Albitite K-Feldspar (Mica Quartz)
2	Pegmatitic Granite (Winnipeg River)
1a	Gabbroic Amphibolite
1	Amphibolite
IF	Iron Formation

Average 0.013 / 3.02m — -% Ta2O5 / - metres

0.118 0.064 — % Ta2O

0.202 0.055 — % Li2O

> 0.01% Ta2O5

AVALON VENTURES LTD.

Date:26/2/2002	Separation Rapids Property Drill Hole Section DDH 01-60
Author: P.N.	
Office: Thunder Bay	
Drawing:	
Scale: 1:500	Projection: UTM NAD83 Zone 15

0 7.5 15 30
metres