**Renison Ltd** REVERSE CIRCULATION DRILL LOG **HOLE : LAF11**

**LAFFERS OPTION - North Heemskirk**

COLLAR CO-ORDINATES : 5370200mN/344500mE

DIAMOND DRILLING TAS PTY LTD - TRACK-MOUNTED UDR 650 RIG

GEOLOGIST / SAMPLE WASHER : Revel Munro

DRILLER : Tony Cherry

DATE : 17 January 1997

BIT DIAMETER : 15cm

THEORETICAL VOLUME : 10.4 l/m

DRILLING METHOD : RC/DTHH (face-sampling) bit

SURFACE RL : 176m

BASEMENT RL : 164.1m

DEPTH TO BASEMENT : 11.9m

DEPTH DRILLED : 13m

| Whole of Hole Grade (g SnO2/cu m) | 11.5 |
|---|---|

| DEPTH (m) FROM | TO | THEORET. VOL. (l) | REC. VOL. (l) | PANNED CON. (g) | CON. Sn ASSAY (%) | CALC. SnO2 WEIGHT (g) | GRADE (g SnO2/m3) | CUM. GRADE | OVERSIZE LITHOLOGY | SAMPLE LITHOLOGY | OVERSIZE (%) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 2.0 | 20.8 | 1 | 272.0 | BLD | 0.00 | 0.00 | 0.0 | Weathered basalt fragments (?) | Gritty soil, tight mottled y/br cy | 5 |
| 2.0 | 4.0 | 20.8 | 6 | 152.5 | BLD | 0.00 | 0.00 | 0.0 | Weathered basalt fragments (?) | Dk gy, y/br cy, grit, sand | 1 |
| 4.0 | 6.0 | 20.8 | 6 | 190.0 | BLD | 0.00 | 0.00 | 0.0 | Ferrug. qtz, qtz/tour drift | Y coarse sand, grit | 10 |
| 6.0 | 8.0 | 20.8 | 11 | 248.5 | 0.01 | 0.03 | 3.12 | 0.8 | Qtz; qtz/tour drift | Y coarse silty sand, grit | 10 |
| 8.0 | 10.0 | 20.8 | 14 | 252.5 | 0.02 | 0.07 | 4.98 | 1.6 | Qtz; qtz/tour drift | Y coarse silty sand, grit | 10 |
| 10.0 | 12.0 | 20.8 | 7 | 202.0 | 0.10 | 0.28 | 39.80 | 8.0 | Qtz drift; ang. qtz, qtzite; md. qtz/tour, shale | Y/br wash, grit, sand; 11-coarse silty sand, grit | 50 |
| 12.0 | 13.0 | 10.4 | 16 | 344.0 | 0.07 | 0.33 | 20.76 | 10.6 | Shale fragments | From 11.9-gy micaceous shale, phyllite | 50 |

**NOTE:**

1. Factor of 72.5% applied to calculate SnO2 grade, in g per cu m, from XRF Sn assay of panned concentrate.
2. Tin grades contained in sample interval at or below logged basement depth are added into alluvial sequence above.
3. Sample lithologies are listed in order of abundance.
4. OS = oversize (ie +3.5mm); v = vein material; tour = tourmaline.
5. Drift = sub-angular, equigranular particles with average diameter of approx. 4mm; frequently derived from granitic rocks.
6. Bird's eye gravel = well-rounded granules and pebbles, frequently comprised of quartz.

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