

DRILL HOLE RECORD

822247

093K/14

| | | | | | | | | | | | |
|----------------------------------------------------------------------------------|----------------------------------|----------------------------------------|-----------------------|----------------------------------------|--------------|----------------------|-----|----------------------|----------|--------------------|--|
| PROJECT NAME : <i>Mt. Sidney Williams</i> | | DATE STARTED (M/D/Y): <i>08/16/91</i> | | DIRECTIONAL DATA: <i>A = Acid Test</i> | | <i>L = Light Log</i> | | <i>M = Multishot</i> | | <i>T = Tropari</i> | |
| HOLE NUMBER : <i>MSW-91-2</i> | | DATE COMPLETED(M/D/Y): <i>08/17/91</i> | | DEPTH (m) | TYPE A/L/M/T | ASTRONOMIC AZIMUTH | DIP | FLAG | COMMENTS | | |
| LOCATION : <i>Stibnite Zone</i> | | DATE LOGGED (M/D/Y): <i>09/17/91</i> | | | | | | | | | |
| PROJECT NUMBER : <i>671</i> | | UNITS (F/M) : <i>M</i> | | | | | | | | | |
| CLAIM NUMBER : | | | | | | | | | | | |
| PLOTTING COORDS | GRID : <i>estimated</i> | ALTERNATE COORDS | GRID : | | | | | | | | |
| | NORTH : <i>311.00 S</i> | | NORTH : _____ + _____ | | | | | | | | |
| | EAST : <i>490.00 W</i> | | EAST : _____ + _____ | | | | | | | | |
| | ELEV : <i>1521.00 m</i> | | ELEV : _____ . _____ | | | | | | | | |
| COLLAR BRNG | GRID : <i>098° 00' 00"</i> | COLLAR SURVEY (Y/N) : <i>N</i> | | | | | | | | | |
| | ASTRONOMIC : <i>098° 00' 00"</i> | RQD LOG (Y/N) : <i>N</i> | | | | | | | | | |
| | COLLAR DIP : <i>-45° 00' 00"</i> | PULSE EM SURVEY (Y/N): <i>N</i> | | | | | | | | | |
| CONTRACTOR : <i>S. T. Thomas</i> | LOGGED BY : <i>A. R. Hill</i> | | | | | | | | | | |
| CORE STORAGE : <i>on site</i> | START DEPTH: <i>0.0</i> | | | | | | | | | | |
| CASING : <i>pulled</i> | FINAL DEPTH: <i>121.9</i> | | | | | | | | | | |
| PLUGGED (Y/N) : <i>N</i> | | | | | | | | | | | |
| HOLE SIZE : <i>BDBDM</i> | | | | | | | | | | | |
| PURPOSE/COMMENTS: <i>To test beneath "Stibnite Zone" downslope of hole 91-1.</i> | | | | | | | | | | | |

HOLE NO. MSW-91-2

LOGGED BY A. Hill

| FROM TO | ROCK TYPE | COLOUR | GRAIN SIZE | TEXTURE AND STRUCTURE | ANGLE TO CORE AXIS | ALTERATION | SULPHIDES | REMARKS |
|-------------------|---------------|--------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| 0.0 to 3.9 | <CSG/O/B> | | | About 50 cm of ground serpentinite pebbles, and one limonitic carbonate-serpentinite cobble. | | | | |
| 3.9 to 47.6 | <HARZBURGITE> | | | Dark green to almost black, 80% serpentine rock, with white rounded nodules (3mm - 1cm) of anorthite (?). Carbonate stain is negative. Some nodules have green or brown cores, probably pyroxene (<1%). Weak foliation and widely spaced white hairline fractures at: Minor talc and carbonate on fractures, along with olive serpentine. | 50 to 60° | Almost complete serpenitization of harzburgite (+/- dunite). | Highly magnetic with 2-3% disseminated magnetite. A few tiny, isolated grains of accessory py (<<1%) also. | Resembles the lithology at the end of D.D.H. 91-1. |

| FROM TO | ROCK TYPE | COLOUR | GRAIN SIZE | TEXTURE AND STRUCTURE | ANGLE TO CORE AXIS | ALTERATION | SULPHIDES | REMARKS |
|--------------------|-----------------------------------------------------------------------|--------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------|
| 64.9 to 70.3 | <SERP HARZ/DUN> "serpentinized harzburgite and dunite" | | | Gradational contact with return of dark green serpentine as matrix to grey and hematite stained nodules. Also fine sugary textured 10-20cm dunite layers from 67-70.3 at: Minor relict olivine cumulate textures, and "immiscible liquids" textures also present throughout this interval. | 40 | Intense serpentization (90%) with minor talc on fractures. | No sx. Very magnetic. | |
| 70.3 to 76.0 | <TALC-CARB HARZ> | | | Gradational contact marked by bleaching of groundmass to light green (limonitic from 70.3 to 71.3), as above. Minor hematite staining of nodules. | | Pervasive talc-carbonate alteration, weak to moderate, increasing downhole. | No sx. Mod. magnetic. | Note: from 70.3 to 71.3 only 75% recovery due to limonitic fractures. Type 4 Listwanite. |

| FROM TO | ROCK TYPE | COLOUR | GRAIN SIZE | TEXTURE AND STRUCTURE | ANGLE TO CORE AXIS | ALTERATION | SULPHIDES | REMARKS |
|--------------------|-------------------|--------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|---------|
| 82.2 to 90.8 | TALC-CARB HARZ | | | <p>Contact marked by rapid decrease in silica content, disappearance of mariposite, and reappearance of dark and hematite stained nodules.</p> <p>A few specks of mariposite occur in bleached envelopes of qtz veinlets at 83.3, and 83.6, and 84.0 m. Veinlets are distinctly planar, and "cockscorb", but contain no sulphides.</p> | | <p>As described before, moderate to weak pervasive carbonatization and fracture controlled talc, decreasing down hole</p> | <p>A few suspect grey patches, but only trace py and aspy.</p> | |

| FROM TO | ROCK TYPE | COLOUR | GRAIN SIZE | TEXTURE AND STRUCTURE | ANGLE TO CORE AXIS | ALTERATION | SULPHIDES | REMARKS |
|------------------------------------------|----------------------------------------------|--------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------|--------------------------|--------------------------------------------------|
| 90.8 to 121.9 End of Hole | <HARZBURGITE> "serpentinized harzburgite" | | | Gradational return of dark green serpentine matrix, and white to green nodules. Talc occupies fractures only. From 92.2 - 92.9 (fit. box) with badly broken core, still serpentine, with minor limonite staining. Brittle fault at unknown angle. Serpentine becomes darker downhole, with fewer fractures, with olive green serpentine envelopes. EOT. | | Near complete serpentinization of harzburgite. | No SK. Very magnetic. | Recovery: 92.2-92.9 = 70% due to faulting. |

ASSAY SHEET

Mo

| Sample Number | From (m) | To (m) | Estimate | | Length (m) | % Cu | % Zn | % Pb | gm. T Ag | gm. T Au | % SiO ₂ | % TiO ₂ | % Na ₂ O | % MgO | % Fe | PPM Cu | PPM Zn | PPM Pb | AS ppm | Ba ppm | Sb ppm | Ag ppm | Au ppb |
|---------------|----------|--------|----------|----|------------|------|------|------|----------|----------|--------------------|--------------------|---------------------|-------|------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | Cu | Zn | | | | | | | | | | | | | | | | | | | |
| 98150 | 3.9 | 6.1 | | | 2.2 | | | | | | | | | | | | | | | | | | 2 |
| 98151 | 6.1 | 9.1 | | | 3.0 | | | | | | | | | | | | | | | | | | 12 |
| 98152 | 9.1 | 12.1 | | | 3.0 | | | | | | | | | | | | | | | | | | 3 |
| 98153 | 12.1 | 15.1 | | | 3.0 | | | | | | | | | | | | | | | | | | 3 |
| 98154 | 15.1 | 18.1 | | | 3.0 | | | | | | | | | | | | | | | | | | 2 |
| 98155 | 18.1 | 21.1 | | | 3.0 | | | | | | | | | | | | | | | | | | 6 |
| 98156 | 21.1 | 24.1 | | | 3.0 | | | | | | | | | | | | | | | | | | 1 |
| 98157 | 24.1 | 27.1 | | | 3.0 | | | | | | | | | | | | | | | | | | 4 |
| 98158 | 27.1 | 30.1 | | | 3.0 | | | | | | | | | | | | | | | | | | 2 |
| 98159 | 30.1 | 33.1 | | | 3.0 | | | | | | | | | | | | | | | | | | 2 |
| 98160 | 33.1 | 36.1 | | | 3.0 | | | | | | | | | | | | | | | | | | 3 |
| 98161 | 36.1 | 39.1 | | | 3.0 | | | | | | | | | | | | | | | | | | 2 |
| 98162 | 39.1 | 42.1 | | | 3.0 | | | | | | | | | | | | | | | | | | 1 |
| 98163 | 42.1 | 45.1 | | | 3.0 | | | | | | | | | | | | | | | | | | 2 |
| 98164 | 45.1 | 47.8 | | | 2.7 | | | | | | | | | | | | | | | | | | 28 |
| 98165 | 47.8 | 50.8 | | | 3.0 | | | | | | | | | | | | | | | | | | 3 |
| 98166 | 50.8 | 53.8 | | | 3.0 | | | | | | | | | | | | | | | | | | 2 |
| 98167 | 53.8 | 56.8 | | | 3.0 | | | | | | | | | | | | | | | | | | 1 |
| 98168 | 56.8 | 59.8 | | | 3.0 | | | | | | | | | | | | | | | | | | 53 |
| 98169 | 59.8 | 60.3 | | | 0.5 | | | | | | | | | | | | | | | | | | 17 |

ASSAY SHEET

Mo

| Sample Number | From (m) | To (m) | Estimate | | Length (m) | % Cu | % Zn | % Pb | gm. T Ag | gm. T Au | % SiO ₂ | % TiO ₂ | % Na ₂ O | % MgO | % Fe | PPM Cu | PPM Zn | PPM Pb | AS ppm | Ba ppm | Sb ppm | Ag ppm | Au ppm |
|---------------|----------|--------|----------|----|------------|------|------|------|----------|----------|--------------------|--------------------|---------------------|-------|------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | Cu | Zn | | | | | | | | | | | | | | | | | | | |
| 98170 | 60.3 | 61.8 | | | 1.5 | | | | | | | | | | | | | | | | | | 12 |
| 98171 | 61.8 | 62.8 | | | 1.0 | | | | | | | | | | | | | | | | | | 4 |
| 98172 | 62.8 | 63.5 | | | 0.7 | | | | | | | | | | | | | | | | | | 2 |
| 98173 | 63.5 | 64.9 | | | 1.4 | | | | | | | | | | | | | | | | | | 1 |
| 98174 | 64.9 | 67.9 | | | 3.0 | | | | | | | | | | | | | | | | | | 4 |
| 98175 | 67.9 | 70.3 | | | 2.4 | | | | | | | | | | | | | | | | | | 3 |
| 98176 | 70.3 | 74.0 | | | 3.7 | | | | | | | | | | | | | | | | | | 10. |
| 98177 | 74.0 | 76.0 | | | 2.0 | | | | | | | | | | | | | | | | | | 1. |
| 98178 | 76.0 | 77.0 | | | 1.0 | | | | | | | | | | | | | | | | | | 20. |
| 98179 | 77.0 | 77.4 | | | 0.4 | | | | | | | | | | | | | | | | | | 22 |
| 98180 | 77.4 | 77.8 | | | 0.4 | | | | | | | | | | | | | | | | | | 40 |
| 98181 | 77.8 | 78.8 | | | 1.0 | | | | | | | | | | | | | | | | | | 21 |
| 98182 | 78.8 | 80.3 | | | 1.5 | | | | | | | | | | | | | | | | | | 71 |
| 98183 | 80.3 | 82.2 | | | 1.9 | | | | | | | | | | | | | | | | | | 334 |
| 98184 | 82.2 | 85.2 | | | 3.0 | | | | | | | | | | | | | | | | | | 76 |
| 98185 | 85.2 | 88.2 | | | 3.0 | | | | | | | | | | | | | | | | | | 1 |
| 98186 | 88.2 | 90.8 | | | 2.6 | | | | | | | | | | | | | | | | | | 1 |
| 98187 | 90.8 | 93.8 | | | 3.0 | | | | | | | | | | | | | | | | | | 3 |
| 98188 | 93.8 | 96.8 | | | 3.0 | | | | | | | | | | | | | | | | | | 1 |
| 98189 | 96.8 | 99.8 | | | 3.0 | | | | | | | | | | | | | | | | | | 2 |

