

4 ✓ D.S.  
7 ✓ O.S.  
1 ✓ S.S.

18-34 ML ~~84-13~~

18-34  
ML 84-13

\* BOTTOM UP \*

TD = 3500' - Core

Checked against partial computer log saved on Flash Drive used to construct thesis figures. 12/08

NT 21-13

3500' - Basaltic Andesite flow  
3468'

fracture 3497' 64° - oblique - chlorite  
3479 64° - " " " "

3468-3451 - basaltic lapilli tuff + fine grain bed sed  
3461 filling qz - 50% filled - B.A. well

frac 3447 - Andesite - 34° + 81° - chlorite  
set of 2 orthogonal frac  
[photo] little mineralization - no slx

frac 3432 Andesite - chlorite  
set of 2 semi-orthogonal fracs  
[photo] well mineralized - good slx  
79° - dip slip / 85° dip slip

[Sample] - 3468' + 3464'  
3463-3466.5 - Ash flow / lapilli tuff?  
3455-3453.5 - AA ↑







face -  
2543.5' - clay pooled  
dip = 38° - dip slip

Sample 2544.5'

samples taken around a

presumed basaltic andesite dike  
in ~~trudely~~ into flow banded  
rhyolite. 2210' → 2185'  
This is under lvn by a basalt-and.  
flow. The contact is believed  
to be tectonic @ 2210'

Samples

|   |                                   |
|---|-----------------------------------|
| } | 2198.5' - Basalt + And. Intrusive |
|   | 2195' - rhyolite                  |
|   | 2188.5' - Basalt/And Intrusive    |
|   | 2208' - " " "                     |
|   | 2215.5' - Basalt/Andesite flow    |

well - intrusive

| sample   |   |
|----------|---|
| 2505 -   | 2219 - Basalt/Andesite - <del>non</del> Intrusive |
| 2385     | Rosy pink dacite flow                             |
| 2385 -   | unvesicular to sparsely vesiculated               |
| 2383.5   | intrusive dike Basalt/And                         |
|          | similar to rock @ 2198.5'                         |
| 2383.5 - |   |
| 2235     | gray dacite / rhyodacite                          |
|          | AA except gray                                    |
| 2285 -   | Basaltic andesite, rubbleized                     |
| 2208     | possible fault zone 2235-2208                     |
| 2208 -   |   |
| 2195     | gray rhyolite / dacite                            |
| 2195 -   | photo contact                                     |
| 2191     | flow banded rhyolite                              |
| 2191 -   | contact photo                                     |
| 2187     | basalt / And dike                                 |
|          | sub vertical flow band                            |

- 2187' - rhyolite flow and  
~~2187~~ + small vugs from 1cm-7cm  
1800' 40-65% filled qz 1-3mm  
2070' Sample vugs qz crystals ~~are~~
- 1800' - glassy rhyolite to frothy obsidian  
1676' devitrification texture
- 1646' - obsidian 1532 SAMPLE  
1628' ? mineral view
- 1628-1486 rhyolite / dacite 1615' Sample  
flows banded
- 1496' - 1528' rhyolite / dacite vesicular  
flow top - no filling  
1496-1486' - auto break some obsidian  
1496' Photo
- 1486-1292 rhyolite flow  
mostly rubble - highly frac
- 1292-1272 obsidian



1272  
1256  
1204.5  
1099  
989  
1471  
1417

1272-1256 rhyolite

1256-1204.5 obsidian

1204.5-1099 - rhyolite flow

1099-989 - glassy caprice/snowflake  
obsidian

989-934+... rhyolite flow  
fracture  
1471 - rhyol - 60° - hematite  
1417 - " " - 58° - " "

Continued  
on tablet

| DEPTH | GRAPHIC LOGS |     |     |     |     |     |     | Frac. / Box | GRAPHIC GEOLOGY | TH. TRACE<br>1. WEAK<br>2. MOD.<br>3. STRONG | VEINLETS | DESCRIPTIONS   |
|-------|--------------|-----|-----|-----|-----|-----|-----|-------------|-----------------|--|----------|--|
|       | ALTERATION   |     |     |     |     |     |     |             |                 |  |          |  |
|       | 125          | 125 | 125 | 125 | 125 | 125 | 125 |             |                 |  |          |  |
| 934   |              |     |     |     |     |     |     |             |                 |  |          | Fractured Phylite flow<br>highly fractured - many<br>healed fracs  |
| 911   |              |     |     |     |     |     |     |             |                 |  |          | dip varying mag 29° - 84°  |
| 911   |              |     |     |     |     |     |     |             |                 |  |          | Basalt Andesite - vesicular<br>recrystallized<br>veinlets of white mineral<br>not calcite <u>(photo)</u>                                 |
| 957   |              |     |     |     |     |     |     |             |                 |  |          | rhyolite flow?   |
| 857   |              |     |     |     |     |     |     |             |                 |  |          |  |
| 810   |              |     |     |     |     |     |     |             |                 |  |          |  |
| 840   |              |     |     |     |     |     |     |             |                 |  |          | BASALT / ANDESITE AUTO BRECCIA<br>highly vesicular<br><u>no</u> filling  |
| 789   |              |     |     |     |     |     |     |             |                 |  |          |  |
| 789   |              |     |     |     |     |     |     |             |                 |  |          | BASALT Flow<br>grading up into highly<br>vesicular rubellized top  |
| 731   |              |     |     |     |     |     |     |             |                 |  |          | Cinder Ash / Scoria<br>loose and rubellized  |
| 731   |              |     |     |     |     |     |     |             |                 |  |          |  |
| 732   |              |     |     |     |     |     |     |             |                 |  |          |  |
| 732   |              |     |     |     |     |     |     |             |                 |  |          | Dense crystalline Tuff??<br>725' → <u>Sample</u> mixed w/ loose<br>scoria  |
| 702   |              |     |     |     |     |     |     |             |                 |  |          | frac - dip 68°<br>Andesite flow<br>frac 25" - hematite 699'<br>" 29" - " chlorite 698'<br>" 36" - hem chlor 697'<br><u>SAMPLE</u> 692 ft |
| 609   |              |     |     |     |     |     |     |             |                 |  |          | frac 667 ft chlor dip 35°  |
| 600   |              |     |     |     |     |     |     |             |                 |  |          | 627' → soft white non-calcareous clay<br><u>Sample</u> < 1 ft thick  |
| 590   |              |     |     |     |     |     |     |             |                 |  |          | Ash / Cinder / Scoria  |
| 590   |              |     |     |     |     |     |     |             |                 |  |          |  |
| 519   |              |     |     |     |     |     |     |             |                 |  |          | Andesite flow - bottom<br>auto brecciated<br>fracs are drilling induced  |

670  
Rubble  
600

DRILL HOLE \_\_\_\_\_  
LOCATION \_\_\_\_\_

LOGGED BY \_\_\_\_\_

