

# Geologic Log For Site WASH 58802

NWIS Site ID: 452123122471501

OWRD Log ID: WASH 58802

Well location: 02S/01W-34ADB01

Depth drilled, in feet below land surface: 1070

Land surface altitude, in feet above Nation Geodetic Vertical Datum of 1929: 342

Logged by: M. H. Beeson

Date drilled: 08/19/2002

| Depth | Symbol | Description   | Elevation | Remarks               |
|-------|--------|---|-----------|-----------------------|
|       |        | Ground Surface  | 342       |                       |
| 0     |        | <i>Red Soil - Weathered Ginkgo</i><br>(excavated boulders at surface are Ginkgo)  | 332       |                       |
|       |        | <i>Ginkgo flow</i><br>Weathered, oxidized, w/ fresher corestones.<br>No vesicles at top - weathered and eroded  | 293       | Chem Sample - 28-33   |
|       |        | <i>Siltstone/lignite/claystone Interbed</i><br>(few light-colored volcanic tephra chips)  | 272       |                       |
|       |        | few vesicles - eroded flow top  |           |                       |
| 100   |        | <i>Sentinel Bluffs flow</i><br>Light gray to dark gray, medium-coarse grained, slightly diktytaxitic,<br>plagioclase-phyric, fresh  | 198       | Chem Sample - 111-112 |
|       |        | <i>Interbed - red and yellow-green claystone</i><br>Flow top - vesicular, some fresh and some oxidized, pyrite and green clay   | 189       |                       |
|       |        |   | 172       |                       |
|       |        | <i>Winter Water flow</i><br>Gray, plagioclase-phyric, diktytaxitic  | 136       | Chem Sample - 190-200 |
| 200   |        | Flow top - vesicular, fairly fresh to oxidized  | 123       |                       |
|       |        | (245-255' slickensides & altered chips from where?)<br><i>Winter Water flow</i><br>Gray, fine grained, phyric, slightly diktytaxitic<br>(263-273' vesicular chips & green clay from where?) | 46        | Chem Sample - 229-239 |
| 300   |        | Flow top - vesicular, oxidized  | 25        | Chem Sample - 283-293 |
|       |        | <i>Winter Water flow</i><br>A few small phenocrysts   | 7         | Chem Sample - 327-331 |
|       |        | Flow top - vesicular, oxidized, few sediment chips<br>(351-356' slickensides on one chip)   | -18       |                       |
| 400   |        | <i>Ortley flow</i>  |           |                       |

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|-------|--------|---|-----------|-----------------------|
|       |        |   | -77       | Chem Sample - 409-419 |
|       |        |   | -92       |                       |
|       |        | Vesicular, glass, greenish clay   | -102      |                       |
|       |        | <i>Umtanum flow</i>   |           |                       |
|       |        | Gray to greenish gray, fine grained, diktytaxitic   |           |                       |
|       |        |   | -148      | Chem Sample - 484-489 |
| 500   |        | Flow top - greenish gray scoria, not very oxidized  | -163      |                       |
|       |        | (510-515' chips of glass, slickensides)   |           |                       |
|       |        |   | -188      |                       |
|       |        | <i>Grouse Creek flow</i>  |           |                       |
|       |        | A few small phenocrysts, diktytaxitic   |           |                       |
|       |        |   | -207      | Chem Sample - 540-545 |
|       |        | Vesicular flow top - very vesicular, weathered and oxidized; some glass (lower 8' slightly vesicular, not oxidized) | -228      |                       |
|       |        | <i>Grouse Creek flow</i>  |           |                       |
|       |        | A few microphenocrysts  |           | Chem Sample - 600-605 |
| 600   |        | black, fine grained to base   | -284      |                       |
|       |        | Vesicular zone - not very vesicular or oxidized   | -294      |                       |
|       |        | <i>Wapshilla Ridge flow</i>   |           |                       |
|       |        | Microphyric   |           | Chem Sample - 651-656 |
|       |        |   | -325      |                       |
|       |        | Vesicular, oxidized flow top  | -333      |                       |
|       |        | <i>Wapshilla Ridge flow</i>   |           |                       |
|       |        | Fine to med-fine grained, dark gray, dense, microphyric   |           | Chem Sample - 710-715 |
| 700   |        | darker and finer grained near contact   | -393      |                       |
|       |        | Vesicular, slight weathering (bleached chips) and oxidation slickensides observed (745-750')                        | -416      |                       |
|       |        | pyrite  |           |                       |
| 800   |        |   |           |                       |

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