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|---------------|---------------------------------------|---------------------------|------|----------|------------|--------------|------------------------|
| LATITUDE      | 10 + 00 S                             | Vinland Resources Limited |      |          |            | Sheet No.    | 1 of 3                 |
| DEPARTURE     | 0 + 50 W                              | DIAMOND DRILL CORE LOG    |      |          |            |              |                        |
| ELEVATION     | 160 metres                            | Tests                     | Dip  | Magnetic | Correcting | Project No.  | Hole No.               |
| DIP AT COLLAR | -55°                                  | Depth                     |      | Bearing  | Bearing    |              | FW-00-01               |
| BEARING       | 135°                                  |                           |      |          |            | Property     | Farm Grid              |
| FINAL DEPTH   | 385.7 metres                          | 137m                      | -55° |          | 135°       | NTS          | 12A/15                 |
|               |                                       | 242m                      | -54° |          | 137°       | Date Started | May 02, 2000           |
| TOTAL DRIFT   | 21.5m                                 | 380m                      | -55° |          |            | Contractor   | Logan Drilling Limited |
| REMARKS       | Alteration zone from 275-315.5 metres |                           |      |          |            | Logged By    | R. M. Graves           |
|               | CORE SIZE                             | NQ                        |      |          |            |              | Grid Name              |
|               |                                       |                           |      |          |            |              | Date Completed         |
|               |                                       |                           |      |          |            |              | May 06, 2000           |

| DEPTH & LITHOLOGY | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | REMARKS |
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| 0 – 21.5m         | <b><u>Overburden</u></b><br>- Glaciofluvial deposits/ Decomposed bedrock                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |
| 21.5 – 175.6m     | <b><u>Sedimentary Rocks (Harbour Round Siltstone)?</u></b><br>- predominantly hematitic red siltstone with mafic volcanic enriched conglomeritic zones at 26.0 – 32.5 and 35.0 – 36.0 metres, calcareous matrix; mafic clasts in conglomerate vary in angularity from sub-angular to well rounded<br>- massive red sandstone with grey reduction zones from 36.0 – 175.6, minor calcite veining, bedding at 30-35° TCA but becoming steeper (10° TCA) at 90 metres<br>- silt rich beds and broken ground from 97.0 – 99.0 metres<br>- bedding is 5° TCA at 103 metres<br>- bedding is 20° TCA at 115 metres<br>- grey sandstone from 115 – 116 metres<br>- silt rich horizons from 117 – 119, 130 – 135<br>- bedding is 10° TCA at 160 metres<br>- bedding is 40° TCA at 170 metres<br>- bottom 40 cm is grey and sheared with fabric at 60° TCA, contact/fault area |         |
| 175.6 – 181.0m    | <b><u>Highly Sheared Rock</u></b><br>- green, fine grained, intense ductile deformation with fabric at 30 - 45° TCA, non-magnetic, unit hosts 20 – 30% quartz calcite veins following fabric, lower contact sharp at 45° TCA<br>- unit is either a fine grained meta-sediment or a mafic volcanic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |
| 181.0 – 222.7m    | <b><u>Basalt</u></b><br>- colour varies from maroon-green, massive, maroon sections are hematitic, approximately 20 – 30% quartz-calcite veins some of which follow fabric at 45° TCA, roughly half of the unit is undeformed and original pristine volcanic textures are preserved, epidote and chlorite veins locally, calcite amygdules common.<br>- Small fault at 194.0m at 30° TCA<br>- Lower contact sharp and at 70° TCA<br>- Lower 30 cm intensely hematized                                                                                                                                                                                                                                                                                                                                                                                                |         |

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| 222.7 – 385.7m | <p><b><u>Volcanoclastic Sediment</u></b></p> <ul style="list-style-type: none"> <li>- fine grained sediment, greenish-grey in colour, locally argillaceous, massive, non-magnetic, non-calcareous, hosts minute quartz-calcite and chlorite veinlets, generally undeformed</li> <li>- coarse sedimentary beds at 231.0 – 231.3, 233.0 – 234.7, 236.9 – 239.2, 247.1 – 247.3, 250.9 – 251.1, 255.6 – 255.8, 263.6 – 264.7, detrital material ranges in size from .5 – 2.0mm</li> <li>- 5 cm of fault gouge at 229.8 metres</li> <li>- planar bedding at 242.0m is 45° TCA</li> <li>- graded bedding at 236.9 – 237.1 is coarsening downhole</li> <li>- quartz veining (&lt;5%) in unit with trace sulphides</li> <li>- chlorite on fractures</li> <li>- 5 cm thick siliceous breccia zone at 244.6 hosting pyrite veinlets</li> <li>- 2 cm thick at siliceous breccia zone 245.8 metres</li> <li>- 10 cm thick silicified zone at 251.5</li> <li>- hematite and pyrite in chloritic vein at 256.0m</li> <li>- pyrite in fracture at 256.5</li> <li>- 5 – 20 cm zones of silicification and chloritization with trace – 3% disseminated and veinlets of pyrite at 260.3, 262.1, 263.4, 266.7, 267.1, 268.8; veins at 30 - 45° TCA</li> <li>- galena on fracture at 267.2 metres</li> <li>- sharp contact between coarse clastic bed and fine grained sediment at 272.2m is 45° TCA; sediment seems to be coarsening downwards (i.e. younging up the hole)</li> <li>- unit becoming more sericitic/silicic and original textures becoming obliterated by alteration at <b>275m – 315.5</b>, unit hosts anastomosing silica veinlets, overall this altered sediment hosts 5 – 10% black chlorite veinlets, graphite common on fractures</li> <li>- silica vein 2cm thick at 277.1 metres hosting trace pyrite, vein hosts brownish clay like mineral, vein at 30° TCA</li> <li>- pyrite-chlorite zone from 281.9 – 283.9; 2-3% disseminated pyrite, 5-10% chlorite veinlets with 2-3% graphite on fractures, fractures faces with graphite are weakly conductive</li> <li>- pyrite-chlorite zone from 290.4 – 290.8 metres, hosts 2-3% disseminated pyrite and veinlets, graphite on fracture faces, approximately 30% chlorite</li> <li>- pyrite-chlorite zone from 290.9 – 291.8, trace pyrite, graphite on fractures</li> <li>- pyritized chlorite – silica vein at 293.8 metres</li> <li>- soft brown mineral in 1 cm thick veins at 300.8 and 301.5, veins at 30° TCA</li> <li>- pyrite veinlet at 290.3 – 301.2 metres</li> <li>- extensive chlorite-silica veining from 305.4 – 306.1, 307.8 – 308.8, 309.6 – 310.1 with minor graphite and trace pyrite</li> <li>- from 311.0 – 315.5 metres the chlorite veinlet is greener in colour compared to chlorite from 275 – 311.0</li> <li>- at 315.5 the volcano clastic sediment becomes un-altered and is similar to the sediment at 222.7 – 275 metres</li> <li>- fine grained sediment is grey to green in color from 320.0 – 342.9 and fine – coarse sand texturally, .5 – 1 cm thick siltstone intrabeds common, a few hydro-breccia zones related to silica chlorite injection at 322.7, 326.1 and 327.5; wall rock is bleached due to vein injection from 327.4 – 329.1 metres;</li> </ul> |  |
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|  | <p>bedding at 050° TCA, &lt;5% quartz-calcite veinlets, rip-up clasts at 341.1 metres clearly indicate younging up the drill hole</p> <ul style="list-style-type: none"><li>- texturally the sediment is dominated by interbedded siltstone and argillite from 342.9 – 373 metres, planar bedding commonly seen, attitude at 50° TCA, argillaceous beds frequently hematized, minor silicification from 368 – 370 metres</li><li>- bedding at 70° TCA from 368 – 375 metres</li><li>- greenish-brown sandstone from 370 – 378.5</li><li>- interlaminated sandstone, siltstone and argillite, beds vary from .5 – 2 cm in thickness from 378.5 – 385.7m</li><li>- EOH 385.7</li></ul> |  |
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