**Project:** HALDANE **Hole Number:** HLD10-02

| From | To | Rocktype & Description |
|---|---|---|

weathered beds hosted within vein), 17.30 m (20 cm), 17.90 m (5 cm), 18.65 m (4 cm), 18.79 m (7 cm), 18.88 m (3 x 0.7-2 cm boudinaged veins over 15 cm) and 19.22 m (3 x 0.7-2 cm boudinaged veins over 15 cm).

Unit becomes more fractured and rubbly at 22.20 m with strong LI weathering along fractures. At 23.65 m, a fault zone dominated by white and black powedery clay cuts through QRTZ over 35 cm. 24.00-27.00 m has very poor recovery (50 cm of minor rubble) though grades from limonitic weathered QRTZ to more PHYL-like unit. The contact is within this interval but unidentifiable.

**27.00 35.20 PHYL**

**Phyllite**

Mainly shaly beds with minor QRTZ interbeds near top of unit, though becoming more prominent towards lower contact. Initial 20 cm is highly deformed with a mini-crenulated appearance. PY common, up to 3%, as veins, fracture-fill, hosted within QV and along bedding. QVing and boudinage common, rarely x-cutting beds. Bedding gradually steepens from 35 to 50 deg, and up to 70 deg and back to 40 deg at the lower contact.

An open S-fold located at 28.10 m has a fold axis of 35 deg.

QVing located at 27.50 m (3 cm boudinage), 28.25 m (1 cm boudinage), 28.40 m (7 cm boudinage), 29.40 m (12 cm, hosting 1% weathered out PY), 31.95 m (2 x 1 cm boudinage), 32.15 m (1.5 cm, bedding x-cut, at 30 deg tca, hosting 2% PY), 32.23 m (4 cm boudinage), 33.80 m (4 x 1-1.5 cm boudinage over 9 cm) and 34.30 m (4 cm boudinage).

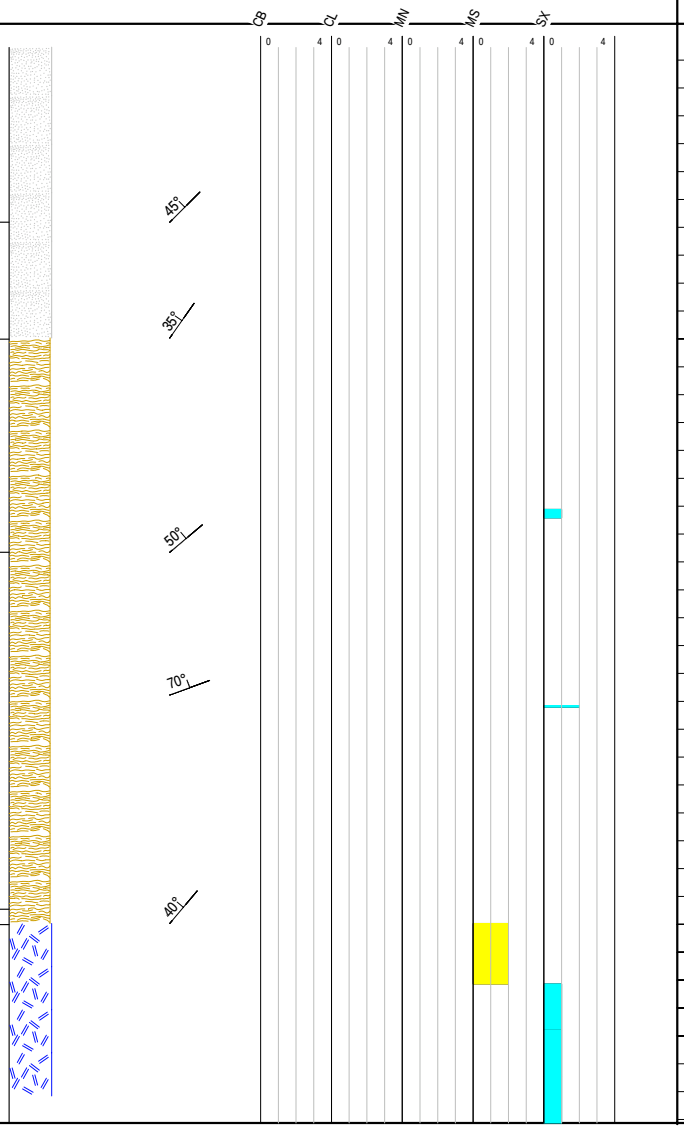
Within last 3 m of unit, 1 cm LI weathered interbeds are common.

Lower contact is sharp with a dyke at 40 deg, parallel to bedding.

**35.20 45.00 DYKE**

**Dyke**

Mainly pale grey in color but near the top of unit is similar grey to QRTZ units. At 36.45, appears that a second dyke intrudes the upper dyke, which could explain the difference in colour. Upper unit is uniform fine grained aphanitic groundmass with mMS along fractures and bleached at the upper contact with PHYL. Lower dyke is much lighter in colour, fine-grained hosting 1% <1-2




| From | To | Width | Sample | Ag ppm | Pb ppm | Zn ppm |
|---|---|---|---|---|---|---|
| 35.20 | 38.20 | 3.00 | 475123 | 0.2 | 37 | 145 |
| 35.20 | 38.20 | 3.00 | 475124 | 0.2 | 21 | 107 |
| 38.20 | 41.20 | 3.00 | 475125 | 0.2 | 9 | 9 |
| 41.20 | 44.20 | 3.00 | 475126 | 0.3 | 17 | 462 |
| 44.20 | 45.00 | 0.80 | 475127 | 0.7 | 28 | 579 |