

# IODP-MSP (Exp. 357) VISUAL SECTION UNIT DESCRIPTION

|             |            |           |           |           |              |
|-------------|------------|-----------|-----------|-----------|--------------|
| Exp.<br>357 | Site<br>72 | Hole<br>B | Core<br>8 | Type<br>R | Section<br>2 |
|-------------|------------|-----------|-----------|-----------|--------------|

|                       |
|-----------------------|
| Observers<br>PM Shift |
|-----------------------|

| [cm] | Scanned Image | Unit | Sketch | Lithology                   | Alteration and Veins                                    | Structure                               | Description   |  |
|------|---------------|------|--------|-----------------------------|---|---|---|--|
| 0    |               |      |        | SOMCLAS<br>8RI 60-<br>66cm? | → ? LIT TOLOGY  | Te/Tr<br>shear zone<br>highly schistose | Unit 1: 0-77 cm<br>coherent core, some fractures  |  |
| 5    |               |      |        |                             |   |   | variably altered + oxidized SERPENTINITE<br>(SERPENTINIZED DUNIT E/HARZBUR-<br>GITE?)   |  |
| 10   |               |      |        |                             | PORPHYROCLAST<br>HARZ<br>MESH TEXTURE                   |   |   | Some patches look like bastite?<br>especially towards the bottom |
| 15   |               |      |        |                             | METASOMATIC<br>TC-RICH<br>VEINS<br>INTRUDED<br>THE ROCK |   | → TSB: no bastite/opx<br>OL in mesh texture + sec. minerals   |  |
| 20   |               |      |        |                             | LATE SERP<br>VEINS CROSSCUT<br>ALL                      |   | pendolite shows pervasive<br>cataclasis through several<br>vein events  | • rare (<5%) appear opx grains<br>suggests is a harz.            |
| 25   |               |      |        |                             |   |   |   | • opx - 1.5mm (most <3mm)  |
| 30   |               |      |        |                             | TALC SHEAR<br>ZONE                                      |   | irregular whitish veins, branching<br>showing schistosity + catclasis and gradual<br>transition to stable alteration @ serpentinite |  |
| 35   |               |      |        |                             | SERPENTINITE  |   |   |  |
| 40   |               |      |        |                             |   |   |   |  |
| 45   |               |      |        |                             | PATCHY<br>TALC-RICH<br>ZONE ALL<br>AROUND               |   |   |  |
| 50   |               |      |        |                             |   |   |   |  |
| 55   |               |      |        |                             | same<br>as 07<br>cm?<br>alteration?                     |   |   |  |
| 60   |               |      |        |                             |   |   |   |  |
| 65   |               |      |        |                             |   |   |   |  |
| 70   |               |      |        |                             |   |   |   |  |
| 75   |               |      |        |                             |   |   |   |  |
| 80   |               |      |        |                             |   |   |   |  |