# Baffinland Iron Mines Corporation

**August 14, 2023**
Project #: OMGM2212-23

# Annual Geotechnical Inspections – 2023 Report 1.

## APPENDIX "B" – Milne Inlet Port Site - Photographs

### Figure 49 to Figure 84

Aerial view of Milne Inlet Port with the still frozen bay – June 24, 2023

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# 3.0 Milne Inlet Port Site

## 3.1 Hazardous Waste-Cell Berms - (HWB-1 to HWB-4)

### a) HWB-1


Figure 49: View of the stable berm around the HWB-1 cell.

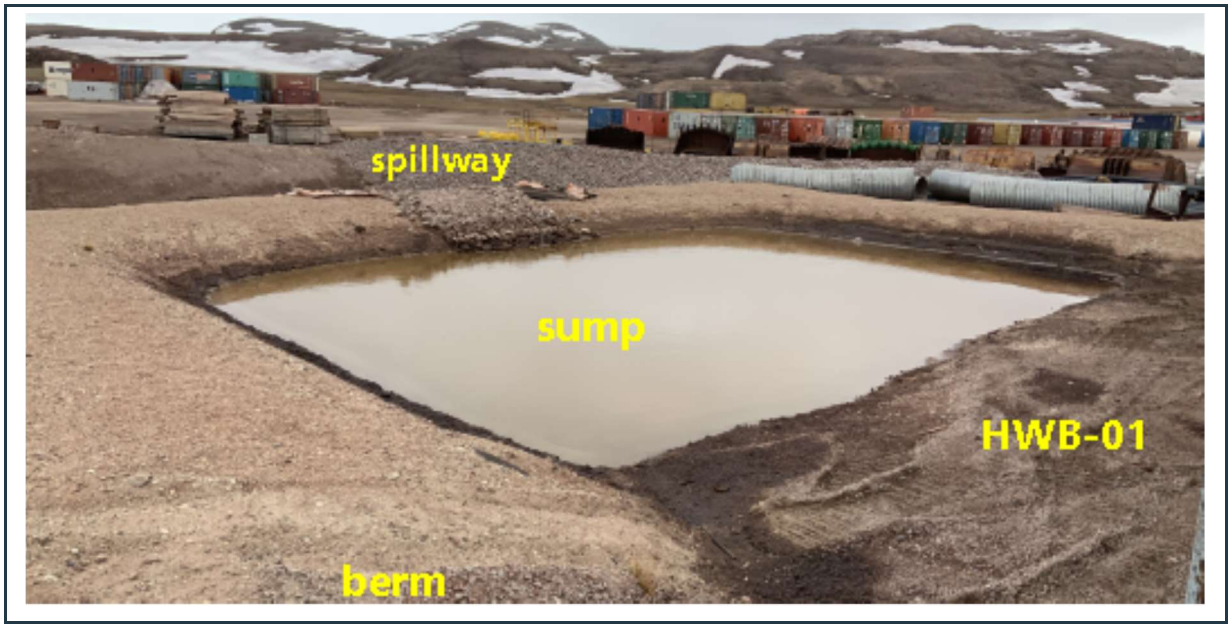


Figure 50: View of the sump and spillway at the back of the HWB-01 cell with stable berms.

### b) HWB-2

Figure 51: View of the former, now decommissioned, HWB-2 cell, with only a couple of empty containers stored on the top of clean sand and gravel fill pad. No hazardous waste is stored in this cell.

### c) HWB-3 and HWB-4 Twin Cells


Figure 52: View of the HWB-03 cell with stable berms, containing fuel barrels. The interior subgrade has been regraded/lowered using clean sand and gravel fill, as specified in previous inspection report.


Figure 53: Recently improved (raised) berm at the HWB-04 cell, storing jet fuel and shipping containers.

## 3.2 MP-01A Pond


Figure 54: View of the robust, stable berms and intact liner in the MP-01A pond.

## 3.3 MP-03 Fuel Tank Farm


Figure 55: View of the well-maintained stable berms around the MP-03 fuel tank farm. The ponding water indicates good liner performance.


Figure 56: View of the Western Globe Fuel Module (WGFM) adjacent to MP-03 fuel tank farm. Based on site information, liner is present beneath the road fill and beneath the WGFM.

## 3.4 MP-04 and 04A Land-farm and Contaminated Snow Disposal Cell

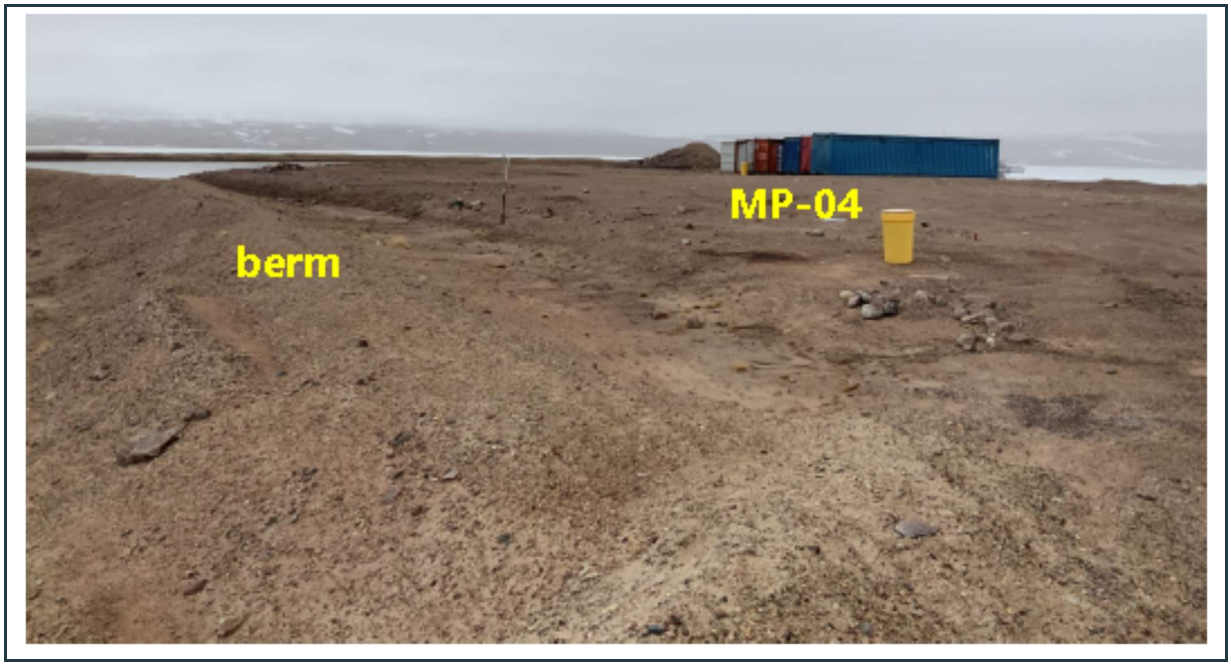


Figure 57: View of stable berm around the MP-04 land-farm, with ponding water in one corner of the cell.

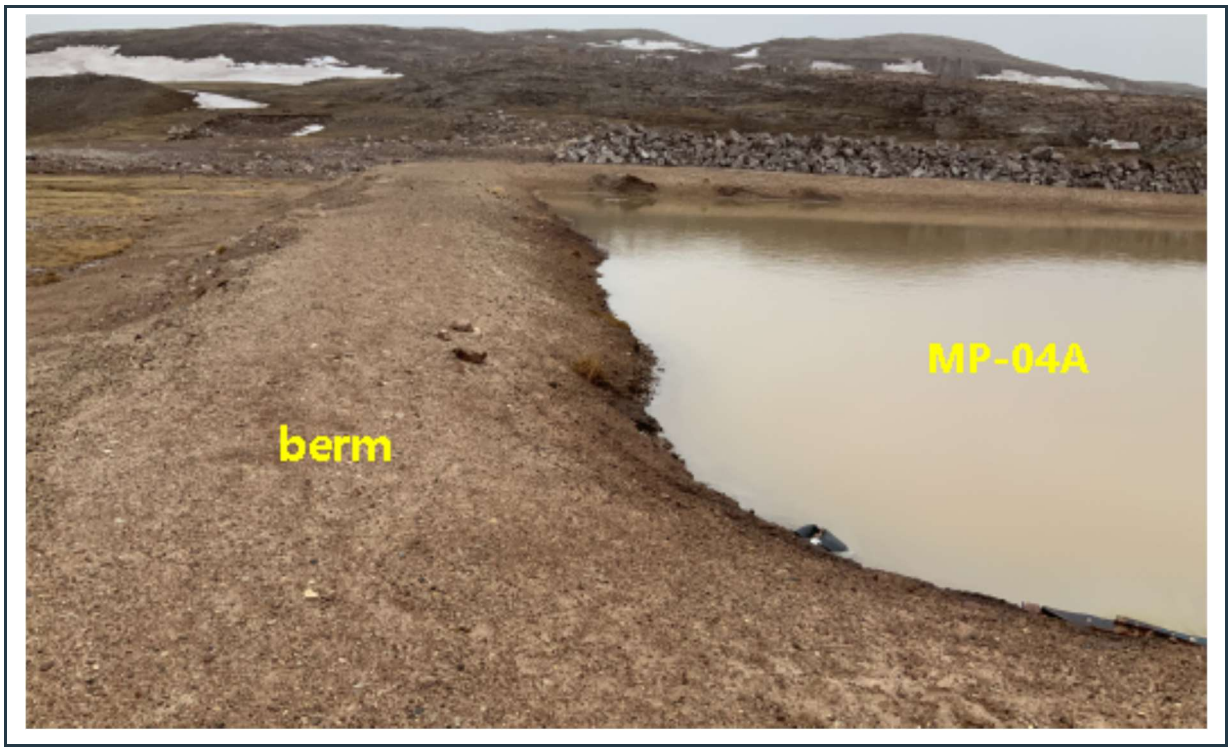


Figure 58: View of the MP-04A cell with stable berms. The ponding water indicates good liner performance.

## 3.5 Surface Water Management Ponds and Ditches (Pond #3, MP-05, and MP-06 Pond)

### a) Surface Water Management Pond #3


Figure 59: View of surface water management pond #3, with lined, stable berms.

### b) MP-05 Surface Water Management Pond


Figure 60: View of the robust, stable berms and intact liner at the MP-05 pond.


Figure 61: View of the inlet channel to the MP-05 pond, with the liner damaged at one location (yellow circle). The liner should be repaired as soon as practically possible.

Figure 62: View of the "east" surface water collection ditch adjacent to the ore storage, draining to the MP-05 pond. Note the ponding water at the south end of the ditch. The ditch should be deepened/excavated in the area of the yellow circle to facilitate water flow to the MP-05 pond.


Figure 63: View of the well-maintained "west" surface water collection ditch adjacent to the ore storage, draining to the MP-06 pond.

### c) MP-06 Surface Water Management Pond


Figure 64: View of the lined MP-06 pond with robust, stable berms.


Figure 65: View of the lined MP-06A overflow pond with robust stable berms.

## 3.6 Q01 rock quarry

Figure 66: View of the snow-covered stable rock face with some weathering and bench erosion in the Q01 rock quarry. Currently there is no activity in this quarry.

## 3.7 Surface Water Collection Ditches (P-SWD-3, P-SWD-5, P-SWD-6, P-SWD-7, W3/W14, 380-Person Camp, and PSC Ditches)

### a) **P-SWD-3** (south side of the LP2 laydown area)


Figure 67: View of the southern part of the P-SWD-3 surface water collection ditch with failed slope sections, and ponding water due to inadequate longitudinal channel slope.

Figure 68: View of the northern part of the P-SWD-3 surface water collection ditch with failed slopes and some debris left in the channel, which should be removed. The ditch should be reconstructed.

**b) P-SWD-5** (next to the Q01 rock quarry)

Figure 69: P-SWD-5 – "Q01-North" surface water collection ditch with missing riprap at one section of the ditch, where continuous seepage is noted from the side-slope.

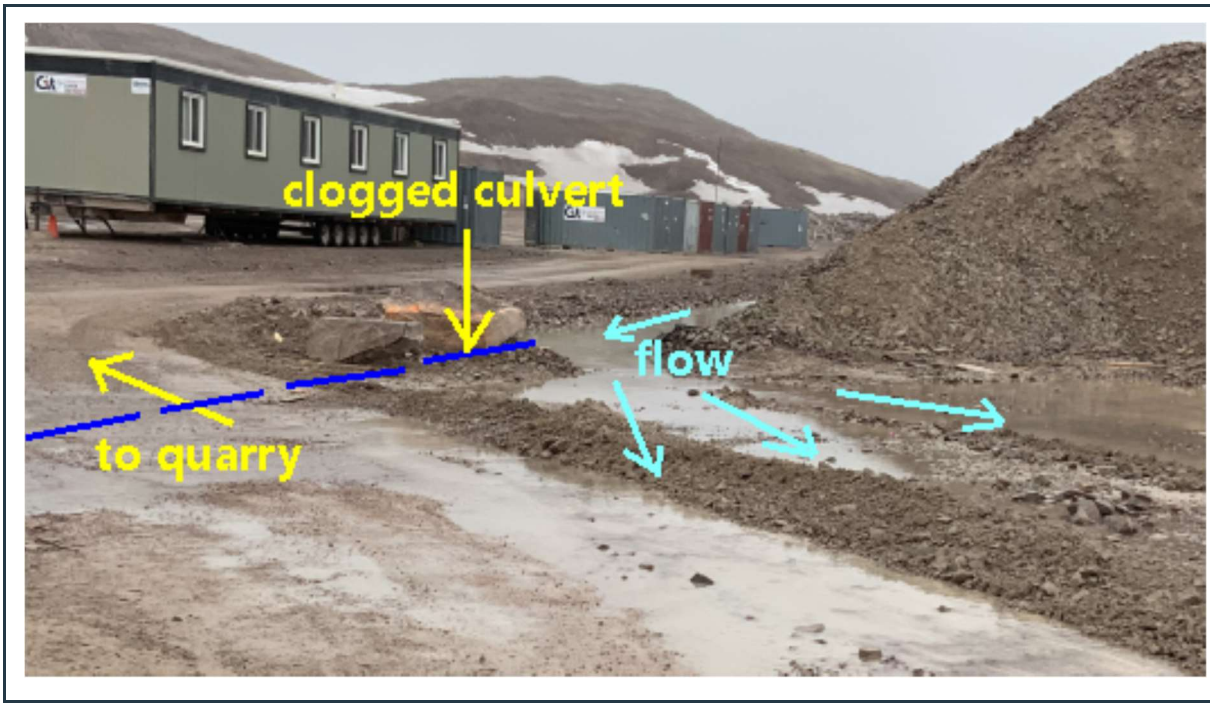


Figure 70: Clogged culvert at the entrance to the quarry in P-SWD-5/Q01-North surface water collection ditch. As a result, water from the ditch flows on the surface of the access road to the quarry.

### c) **P-SWD-6** (south of the Q01 rock quarry)

Figure 71: View of the now inefficient P-SWD-6 surface water collection ditch, due to over-blasting in the rock quarry.


Figure 72: View of the now inefficient P-SWD-6 surface water collection ditch with elevated invert level above the ponding water in part of the quarry. Water flows uncontrolled away from the ditch.

### d) **P-SWD-7** (ditch and culverts adjacent to the new freight dock)

Figure 73: View of the P-SWD-7 surface water collection ditch and culverts (inlet).

Figure 74: View of the well-maintained P-SWD-7 surface water collection ditch and culverts (outlet).

### e) **W3/W14** (surface water collection ditch)

Figure 75: View of the recently completed W3/W14 surface water collection ditch with crushed rock riprap slope protection.

### f) **380-Person Camp** (surface water collection ditch)

Figure 76: View of the south section of the 380-Person Camp surface water collection ditch. All debris (Styrofoam etc.) should be removed from the ditch.


Figure 77: View of the east section of the 380-Person Camp surface water collection ditch with ponding water, due to the completely clogged culvert, which should be cleaned.

### g) PSC (new surface water collection ditch)

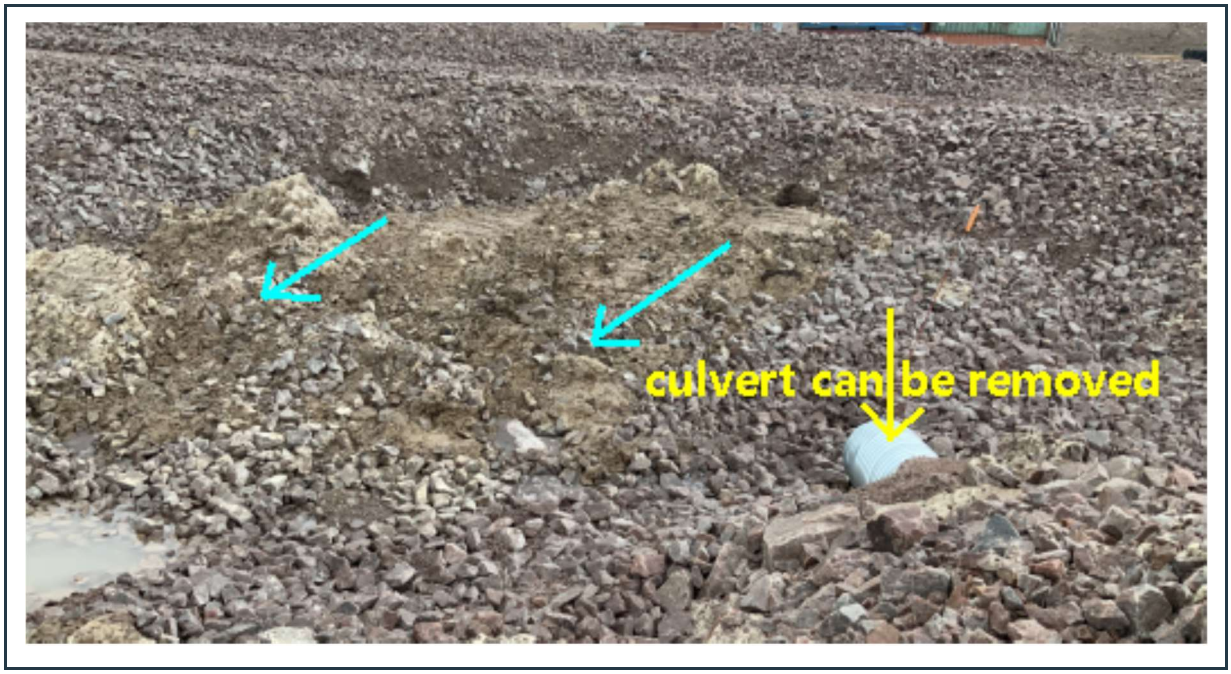


Figure 78: View of the "west end" of the PSC surface water collection ditch (red circle in Figure 7). Note the localized slope degradation due to frequent water seepage from the granular fill of the LP-2 laydown pad (blue arrows). The culvert in the area can be removed.

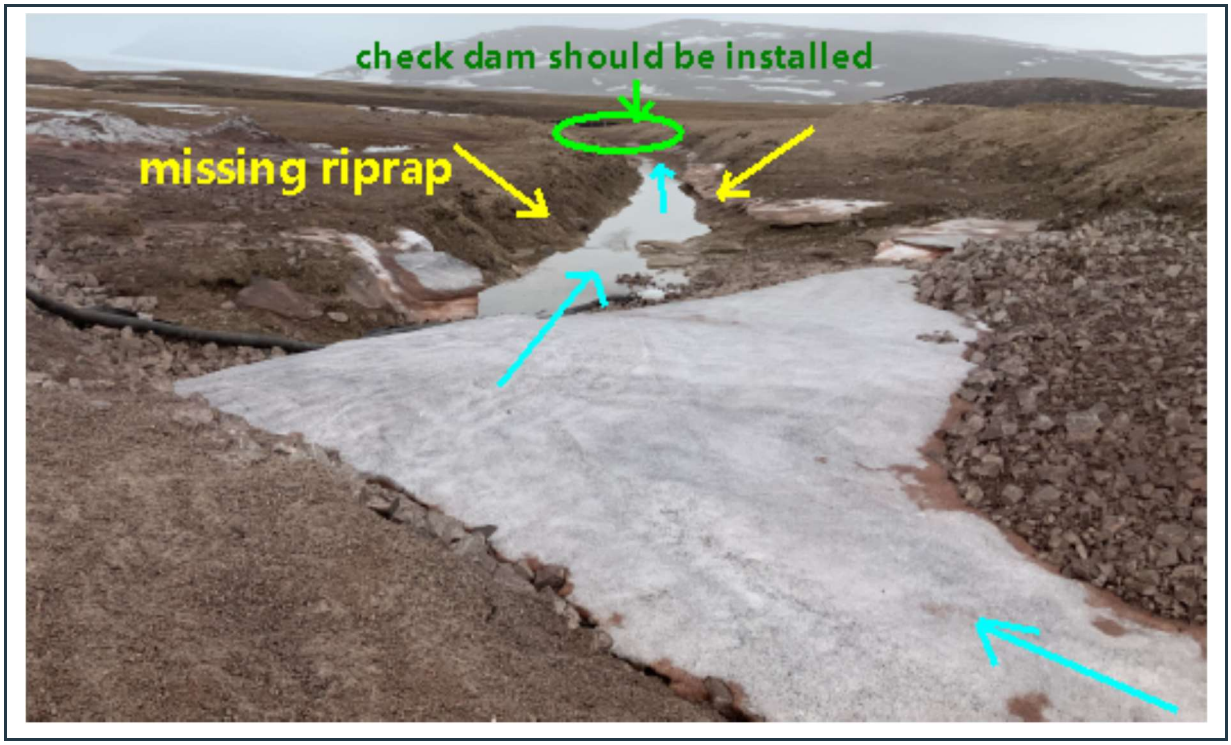


Figure 79: View of the unfinished "east end" of the PSC surface water collection ditch (green circle in Figure 7). Riprap and a check dam should be installed at this section if the ditch.

## 3.8 Tote Road Ditch and Culverts

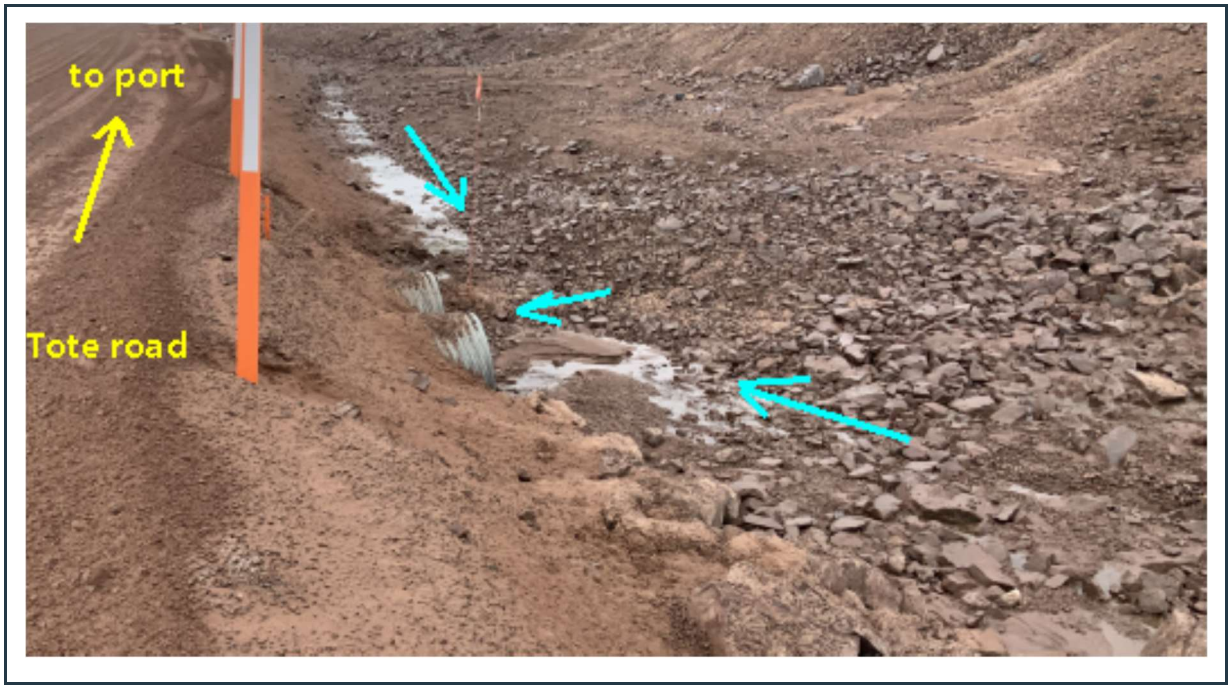


Figure 80: View of twin culverts, draining surface water from the quarry area under the tote road (inlet).

Figure 81: View of twin culverts, draining surface water from the quarry area (outlet).

## 3.9 Effluent Discharge Pipe and Slope


Figure 82: View of the end of the water discharge pipe (blue arrow) and deteriorating (eroding) slopes. This section of the valley should be filled with rock fill, placed over geotextile.

## 3.10 LP-5 Storage Pad

Figure 83: View of the recently regraded LP-5 storage area.

Figure 84: View of the recently regraded LP-5 storage area.