

IR Responses

Tech Session 1 (#2-6)

IR #2 to ECCC

- Is seepage and surface water runoff from undeveloped areas considered 'effluent', under MDMER? If so can ECCC confirm what, if any, seepage and surface water runoff would be subject to the MDMER?

An undeveloped area that has historically been affected by aerial deposition from mining operations would not be considered "disturbed". A "disturbed area" includes any area where there has been physical. In the present case, if the undeveloped area has not been disturbed or cleared, it would therefore not be considered to be part of the mine. It should be noted that any seepage or runoff that is not subject to the MDMER would nonetheless be subject to the general prohibition under the *Fisheries Act*.

IR #3 to GMRP

- GMRP to identify the surface area across the Site post-remediation that drains into Baker Creek but will not be remediated.

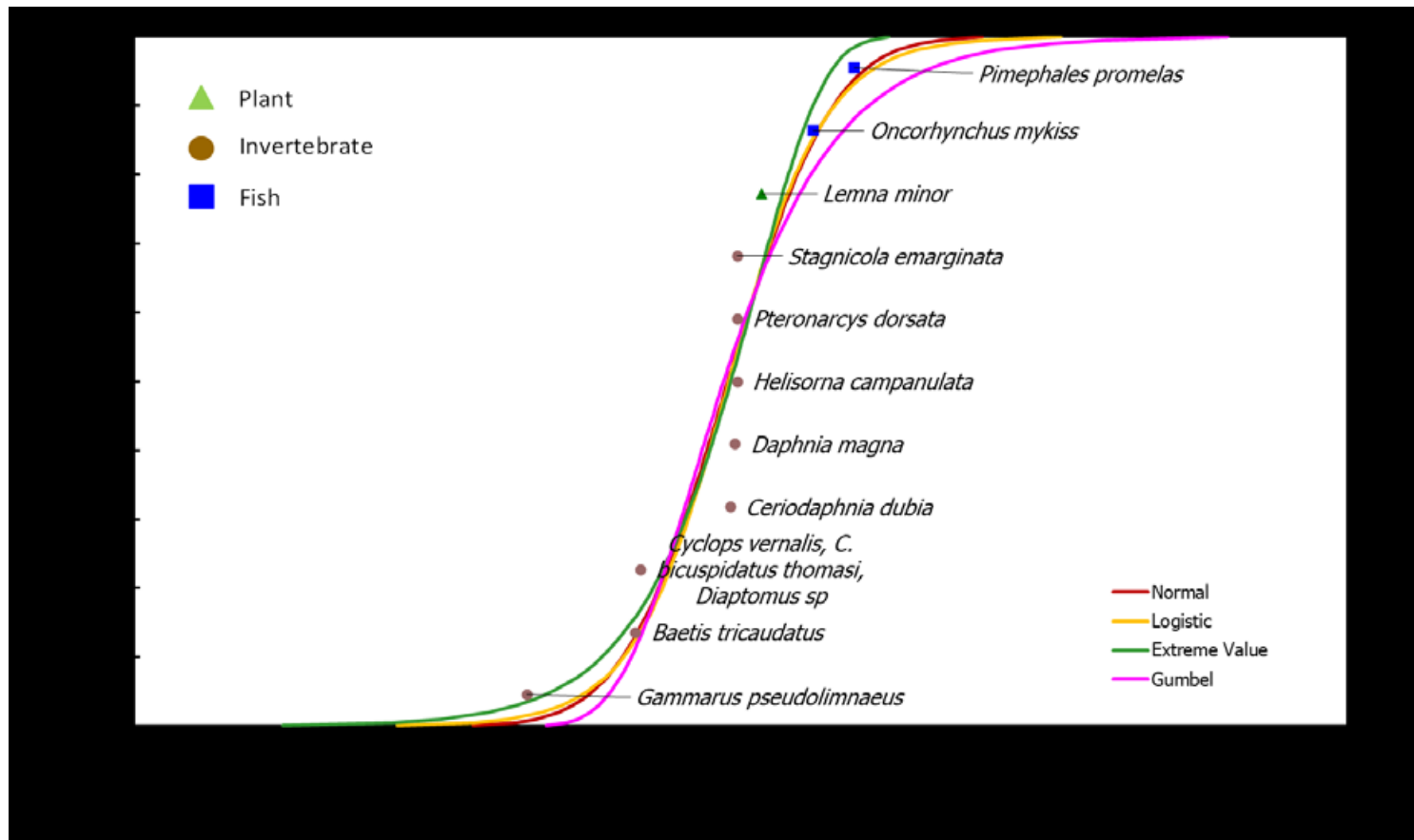
The surface area that drains to Baker Creek from within the Project Boundary, but will not be remediated, is 486 hectare (ha) or approximately 44% of the project boundary area:

- Project boundary - 1,115 ha
- Sub-watersheds that drain to Baker Creek - 788 ha
- Total Remediated - 302 ha
- Total Not remediated - 486 ha

Note: Sub-watersheds containing Engineered Components being remediation were excluded from the calculation.

IR #4 to GMRP

- GMRP to provide the species sensitivity distribution (SSD) curve for trivalent arsenic for Yellowknife Bay.



IR #5 to GNWT

- GNWT-ENR (Climate Change) to provide comments to their review related to the climate change modelling for the Freeze Program.

In addition to climate projections, it is understood that the GMRP Team will undertake ground temperature monitoring to track frozen shell temperatures and conduct trend analysis of the freeze model. ENR supports the GMRP Team's plan to periodically compare modelled climate change projections to observed frozen shell temperature trends and to the freeze design model.

IR #6 to GMRP

- GMRP to provide the approximate number of total known boreholes in the current GMRP borehole database on the surface of the Site.

There are 2,468 surface boreholes in the GMRP borehole database