

## Table 1 References

All values selected to protect most sensitive receptors at Ross Island. In-water values based on freshwater conditions. Pathway for human receptors considered to be fish consumption of resident fish through the recreational fisherman scenario described in section 1.4.

- (a) DEQ Ecological Risk Guidance, 2001.
- (b) Site-specific background concentration. Existing Ambient Sediment Quality Data Table 1 (Draft) 2/7/03.
- (c) Threshold Effects Level (TEL) or lowest ARCs *H. azteca* TEL, Freshwater Sediment (NOAA, 1999).
- (d) Threshold Effects Concentration (TEC), Smith et al., 1996.
- (e) 0.2× conversion from measured “HIGH” to estimated “LOW”, chronic LOAEL to NOAEL per USEPA (1997b).
- (f) Lowest effect level, British Columbia, quoted in MacDonald et al. (1999); Appendix 3-1.
- (g) No effect threshold, British Columbia, quoted in MacDonald et al. (1999); Appendix 3-1.
- (h) Screening level value (SLV) calculated using equation 1-7, 1-8 and 1-9; other input values from Tables 1.
- (i) Screening level value (SLV) calculated using equation 1-4, 1-8 and 1-9; other input values from Table 4.
- (j) Screening level value (SLV) calculated using equation 1-1, 1-10 and 1-11; input values from Tables 2 and 4.
- (k) Screening level value (SLV) calculated using equation 1-1, 1-10 and 1-11; input values from Tables 2 and 4.
- (l) Screening level value (SLV) calculated using equation 1-3, 1-10 and 1-11; input values from Table 1.
- (m) Screening level value (SLV) calculated using equation 1-6, using Koc and BCF

values from McKay et al. 1992.

- (n) Conservative value based on bioassay tests conducted on Ross Island lagoon sediments and regulatory levels for upland soils (OAR 340-122-0335). Value should be compared to analytical results for individual categories of petroleum hydrocarbons; e.g., TPH as gasoline, TPH as diesel, diesel range organics, and residual range organics.
- (p) Acceptable tissue concentration (ATL), carcinogen value, calculated using equation 1-8, input values from Table 2 (recreational fisherman).
- (q) Acceptable tissue concentration (ATL), non-carcinogen value, calculated using equation 1-9, input values from Table 2 (recreational fisherman).
- (r) Acceptable tissue concentration (ATL), wildlife, calculated using equation 1-10 and 1-11, input values from Table 2 (birds – individual; mammals – population).
- (s) Method Reporting Limits as documented in DEQ's Laboratory Information Management System (LIMS).