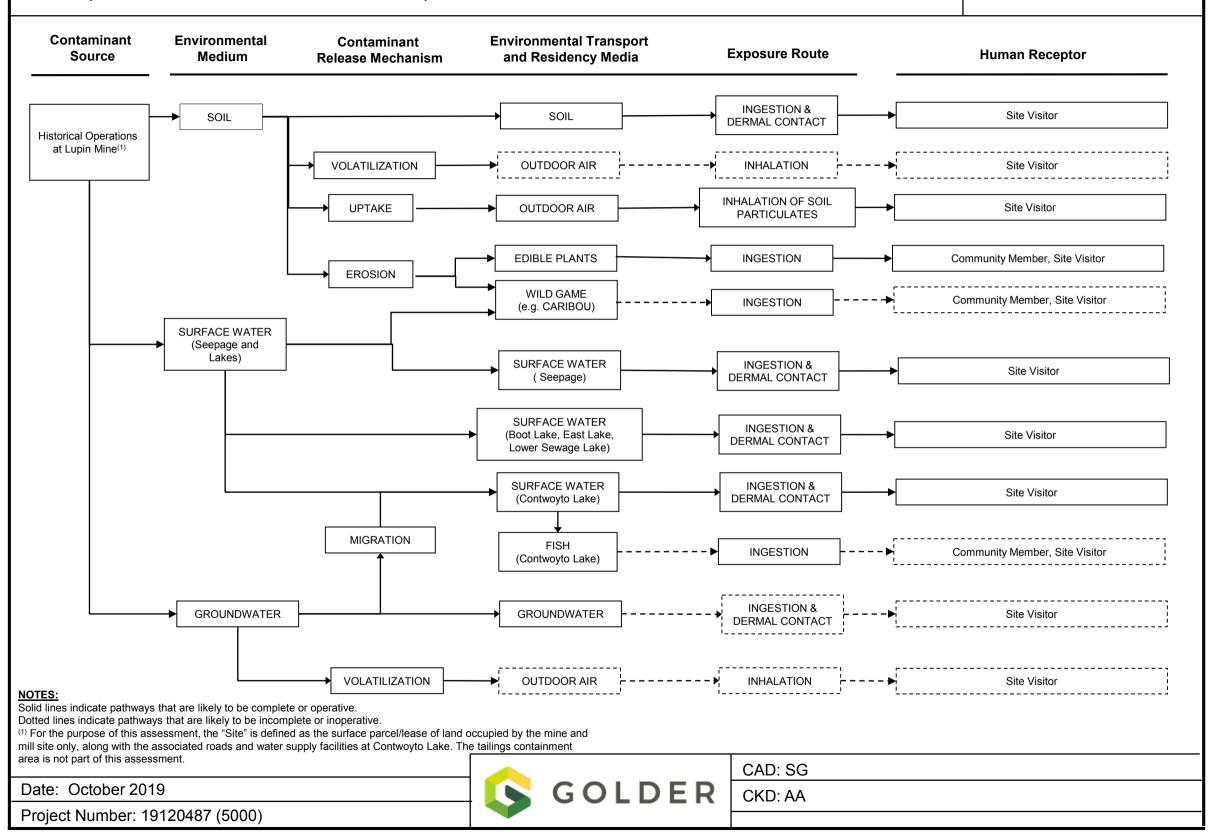
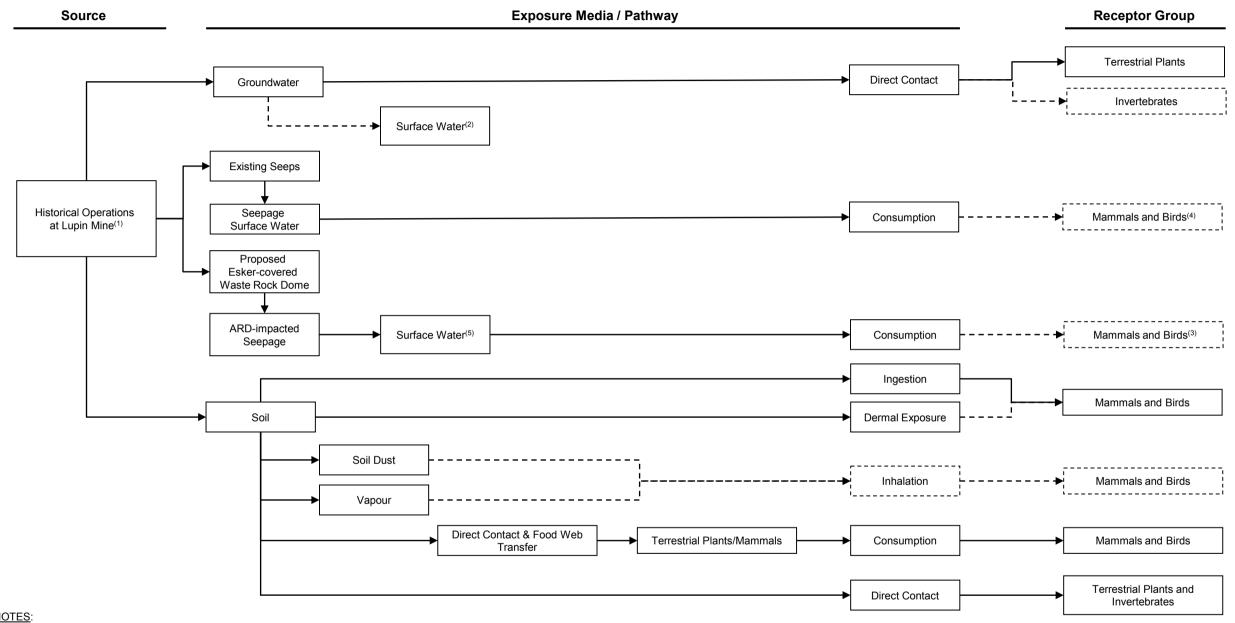


Conceptual Site Model for Human Receptors

FIGURE 10





NOTES:

Solid lines indicate pathways that are likely to be complete or operative.

Dotted lines indicate pathways that are likely to be incomplete or inoperative.

- (1) For the purpose of this assessment, the "Site" is defined as the surface parcel/lease of land occupied by the mine and mill site only, along
- with the associated roads and water supply facilities at Contwoyto Lake. The tailings containment area is not part of this assessment.
- (2) Contwoyto Lake, Boot Lake, East Lake, Lower Sewage Lake.
- (3) No contaminants of concern were identified in lake surface water for consumption by mammals and birds.
- (4) No contaminants of concern were identified in seepage surface water for consumption by mammals and birds.
- (5) Boot Lake, East Lake and Lower Sewage Lake. Impacts to surface water quality in Contwoyto Lake are expected to be negligible.

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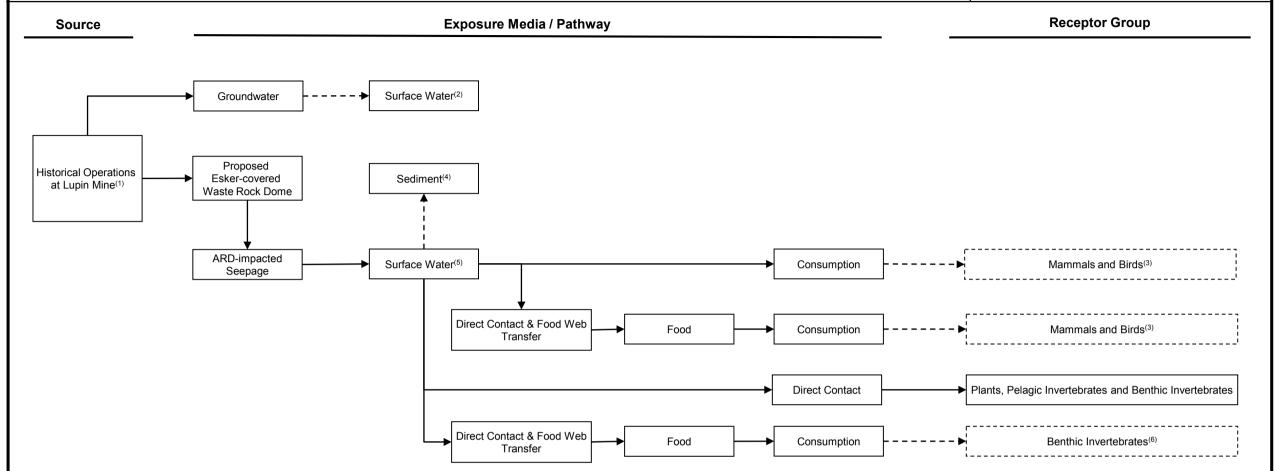


CAD: SG

CKD: TMG

Conceptual Site Model for the Aquatic Ecosystem

FIGURE 12



NOTES:

Solid lines indicate pathways that are likely to be complete or operative.

Dotted lines indicate pathways that are likely to be incomplete or inoperative.

- (1) For the purpose of this assessment, the "Site" is defined as the surface parcel/lease of land occupied by the mine and mill site only, along with the associated roads and water supply facilities at Contwoyto Lake. The tailings containment area is not part of this assessment.
- (2) Contwoyto Lake, Boot Lake, East Lake, Lower Sewage Lake.
- (3) No contaminants of concern were identified in lake surface water for consumption by mammals and birds.
- (4) The focus of the assessment was on ARD-impacted seepage and potential long-term impacts to surface water quality in the receiving water bodies. Potential impacts to sediment and all associated exposure pathways and receptor groups were not considered further.
- (5) Boot Lake, East Lake and Lower Sewage Lake. Impacts to surface water quality in Contwoyto Lake are expected to be negligible.
- (6) Uptake from the water is expected to be the dominant uptake route for most of the parameters predicted in surface water. For those parameters for which uptake from the diet may be important (e.g., selenium), predicted concentrations in the lakes were not much above reference conditions and/or guidelines protective of this pathway and are not expected to drive uptake by aquatic life.

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Project: 19102487



CAD: SG

CKD: TMG

