



Potential Receptor of Concern						
Future Construction Worker	Current and Future Outdoor Worker	Future Indoor Worker	On-site Resident	Off-site Resident	Off-site Traditional Tribal Lifeways ¹	Trespasser
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- Notes:
- a A detailed description of sources will be provided in each operable unit-specific remedial investigation report.
 - b Surface water includes the pit lake as well as seasonal water pooled in low lying areas, the Wabuska Drain, and evaporation ponds resulting from surface water runoff, rainfall, snowmelt, seeps, irrigation, or other sources.
 - c Volatilization of chemicals from soil and groundwater is a complete pathway for chemicals found to a maximum depth of 100 ft bgs.
 - d Pumping of groundwater by offsite irrigation wells occurs to the north and east of the site. Pumping by the active pumpback treatment system occurs to the north of the site. Groundwater migration pathways are further characterized in the site-wide groundwater remediation investigation work plan.
 - e The Wabuska Drain and various pond beds are ephemeral. When these areas are dry, solid media is considered a "soil" whereas when water overlies the ponds or fills the drain, solid media is considered a "sediment". In the Pit Lake, sediments are permanent and never considered soil; riparian and upland areas of the Pit Lake, however, do contain soils.
 - f Outdoor workers and the trespasser are assumed to have contact with outdoor air only; the indoor worker is assumed to have contact with indoor air only.
 - g Contact with sediment by the trespasser may occur at the pit lake in conjunction with surface water contact.
 - h Biota include home grown produce and livestock, locally-grown commercial crops, deep-rooted native plants, fish and wild game and contact with associated surface soil.
 - i Includes attic dust.
 - j For tribal lifeways, exposure pathways also include contact for cultural uses and inhalation of smoke.
 - k Ingestion of groundwater applies only to future workers.
 - l These exposure pathways supplement exposure considered for the tribe under off-site residents

LEGEND

- Primary exposure route
- Potentially complete but minor exposure route
- Incomplete exposure route
- * Low probability exposure route and potentially incomplete



BROWN AND CALDWELL

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Conceptual Site Model Yerington Mine Site

**Figure 3-1
Conceptual Site Model
for Human Health Receptors**