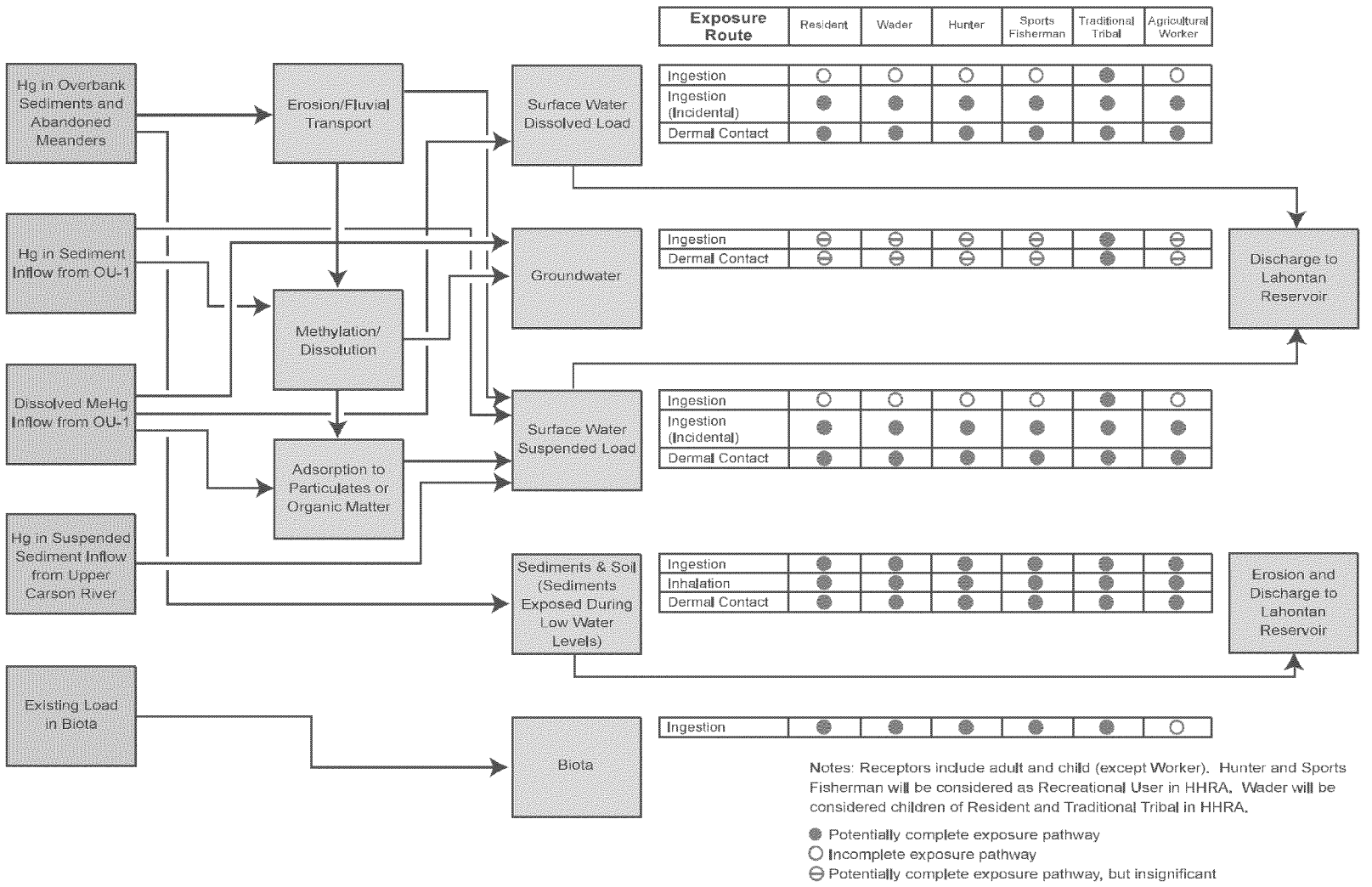
# Human Health Risk Assessment – Conceptual Site Model




Notes: Receptors include adult and child (except Worker). Hunter and Sports Fisherman will be considered as Recreational User in HHRA. Wader will be considered children of Resident and Traditional Tribal in HHRA.

● Potentially complete exposure pathway
○ Incomplete exposure pathway
⊖ Potentially complete exposure pathway, but insignificant

**Carson River Mercury Site**
Carson Drainage, Northwestern Nevada
U.S. Environmental Protection Agency, Region 9

**Figure B6-2**
Conceptual Site Model - HHRA
Upper Carson River (OU2A)

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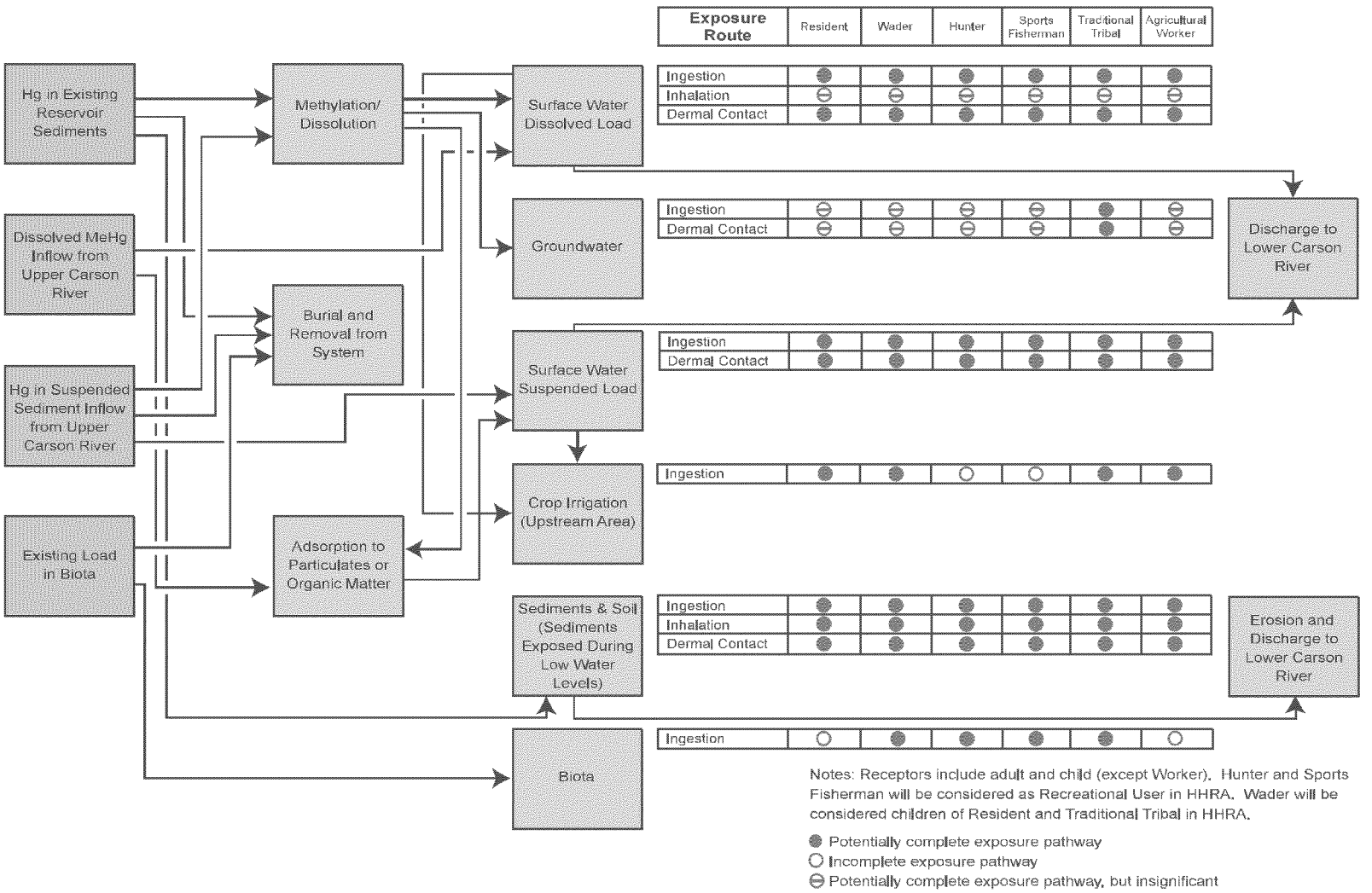
# Human Health Risk Assessment – Conceptual Site Model




**Carson River Mercury Site**
Carson Drainage, Northwestern Nevada
U.S. Environmental Protection Agency, Region 9

**Figure B6-3**
Conceptual Site Model - HHRA
Lahontan Reservoir (OU2B)

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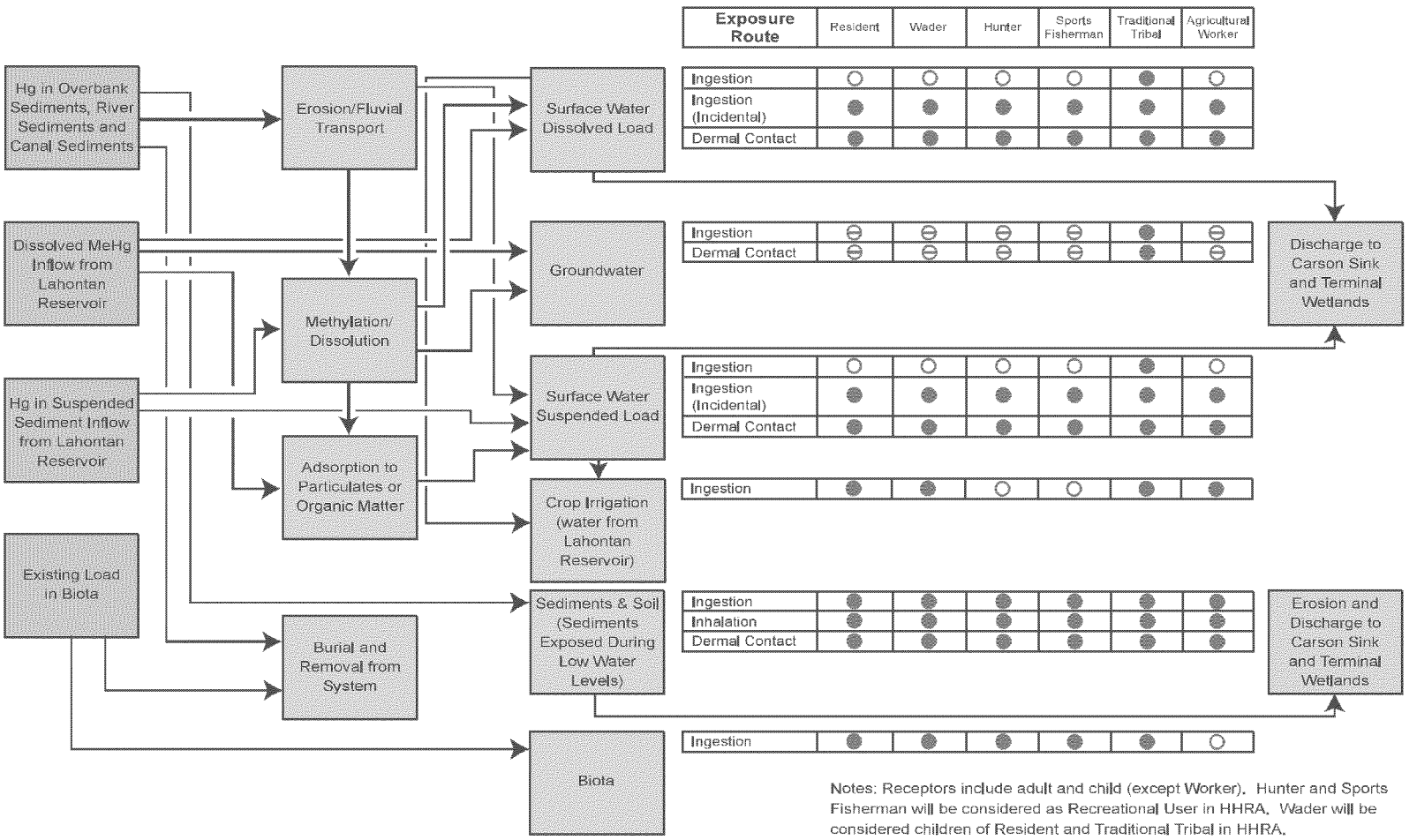
# Human Health Risk Assessment – Conceptual Site Model

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● Potentially complete exposure pathway
○ Incomplete exposure pathway
⊖ Potentially complete exposure pathway, but insignificant

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**Carson River Mercury Site**
Carson Drainage, Northwestern Nevada
U.S. Environmental Protection Agency, Region 9

**Figure B6-4**
Conceptual Site Model - HHRA
Lower Carson River (OU2C)

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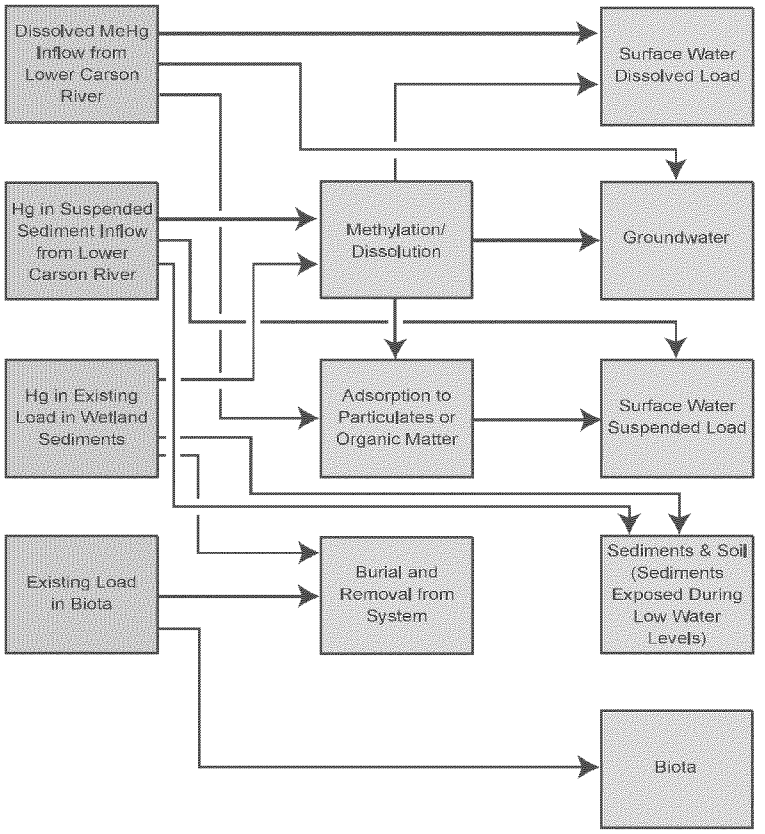
# Human Health Risk Assessment – Conceptual Site Model




| Exposure Route | Resident | Wader | Hunter | Sports Fisherman | Traditional Tribal | Agricultural Worker |
|---|---|---|---|---|---|---|
| Ingestion | ○ | ○ | ○ | ○ | ● | ○ |
| Ingestion (Incidental) | ○ | ● | ● | ● | ● | ● |
| Dermal Contact | ○ | ● | ● | ● | ● | ● |
| Ingestion | ⊖ | ⊖ | ⊖ | ⊖ | ● | ⊖ |
| Dermal Contact | ⊖ | ⊖ | ⊖ | ⊖ | ● | ⊖ |
| Ingestion | ○ | ○ | ○ | ○ | ● | ○ |
| Ingestion (Incidental) | ○ | ● | ● | ● | ● | ● |
| Dermal Contact | ○ | ● | ● | ● | ● | ● |
| Ingestion | ○ | ● | ● | ● | ● | ● |
| Inhalation | ○ | ● | ● | ● | ● | ● |
| Dermal Contact | ○ | ● | ● | ● | ● | ● |
| Ingestion | ○ | ● | ● | ● | ● | ○ |

Notes: Receptors include adult and child (except Worker). Hunter and Sports Fisherman will be considered as Recreational User in HHRA. Wader will be considered children of Resident and Traditional Tribal in HHRA.

● Potentially complete exposure pathway
○ Incomplete exposure pathway
⊖ Potentially complete exposure pathway, but insignificant

**Carson River Mercury Site**
Carson Drainage, Northwestern Nevada
U.S. Environmental Protection Agency, Region 9

**Figure B6-5**
Conceptual Site Model - HHRA
Carson Sink and
Terminal Wetlands (OU2D)

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