



**LEGEND**

- Water table/leachate elevation
- Groundwater flow lines
- Inferred geologic contact
- Boring or monitoring well
- Estimated geologic contact

**CITY OF PORTLAND DATUM**  
 Approximate Scale (in feet)  
 500 0 500 1000 1500 2000 2500  
 Vertical Exaggeration: Approximately 10X

**GEOLOGIC UNITS**

- OVERBANK SILT DEPOSITS - Light olive-brown to gray silt to sandy silt (low permeability)
- COLUMBIA RIVER SANDS - Fine to medium grained, brown to grey, well-graded sand, (moderate permeability)
- PLEISTOCENE GRAVELS - Basaltic and quarzitic gravel in a medium to coarse grained sand matrix (high permeability)
- TROUTDALE FORMATION - Poorly to moderately cemented sandy conglomerate, interbedded with clay (low to moderate permeability)

**NOTES:** Geologic contacts are assumed or extrapolated in areas without wells and borings  
 Geologic descriptions from Metro 1994; EMCON, 1997  
 Modified from: Shannon & Wilson, Inc. in Fishman Environmental Services, 1987

**FIGURE 3**  
**Conceptual Hydrogeologic Cross Section, North Portland, Oregon**  
 GROUNDWATER QUALITY EVALUATION, 2007  
 METRO ST. JOHNS LANDFILL