

Table 7-9 Summary of Radiolarian Analyses
WEST CONTRACT
Brightwater Conveyance System

Boring No.	Sample Top Depth (ft)	Elevation (ft) ^a	Radiolarian Species Present	Environment	
				Biology	Geology
BRIGHTWATER TUNNEL 4					
E-105	277.0	272.0	Contained mica, sand, plant material, clay, sponge spicules (1). Radiolaria: Rare, mid latitude, transitional forms; Lamprocyrtis nigriniaie (1), Tetrapyle octacantha (1), Octoplye stenozona (1), Botryostrobus aquilonaris (1).		Possibly reworked marine sediments
E-105	346.0	203.0	Contained clay, plant material, mica, sand (some), diatoms (sparce). Diatoms: Possible Melosira (M. moniliformis) or Cyclotelle spp., Aracnoidiscus spp.	No Radiolaria	Not marine
E-105	379.0	170.0	Contained mica, sand, debris, vesiculate pollen (4), diatoms (sparce). Diatoms: Possible Melosira (M. moniliformis) or Cyclotelle spp. Radiolaria: Mid latitude, transitional forms; Spongopyle osculosa (1).	Very rare radiolaria	Probably not marine
E-105	416.0	133.0	Abundant sand, mica, plant material, vesiculate pollen (1), clay, diatoms (sparce). Diatoms: Possible Melosira (M. moniliformis) or Cyclotelle spp.	No radiolaria, possible brackish diatoms	Not marine but possible estuary
E-105	427.0	122.0	Contained sand, mica, plant material, clay, diatoms (sparce). Diatoms: Possible Melosira (M. moniiformis) or Cyclotelle spp.	No radiolarian possible brackish diatoms	Not marine but possible estuary
E-105	534.0	15.0	Contained sand, plant material, mica, clay, diatoms (very sparce). Diatoms: Possible Melosira (M. moniiformis) or Cyclotelle spp.	No radiolaria, possible brackish diatoms	Not marine but possible estuary

Note:

a) Vertical datum = Metro. All locations surveyed to +/- 0.1 foot accuracy with the exception of some off alignment borings (noted as scaled on the log) which were estimated.

b) Radiolarian analysis by Nick Piasias, Oregon State University.