

Site Area/Medium	Data Gaps/Issues	Approach
Piling sediments	Retesting SD-29 and SD-30 for bioassay and TPH.	Resample SD-29 and SD-30 for bioassay and TPH testing. Sample Area 2 if either SD-29 or SD-30 fail bioassay. Assess need for broad sediment characterization study.
Sediments below Area A	SD-23 and SD-24 exceedance of 100 ppm TPH criteria.	No further sampling will be conducted at these locations due to failure threshold values not being met (see evaluation below).
Southern Site Area sediments	SD-19 and SD-20 reporting limits, which exceed 100 ppm TPH criteria.	No further sampling will be conducted at these locations due to threshold values not being met (see evaluation below). Additional evidence is given by results from other sediments in the area, which met the quantitation limit criteria and did not contain diesel or lube oil range organics.

Bioassay Pass/Fail Analysis						
Sample	Area	Diesel Range Organics (ppm)	Lube Oil Range Organics (ppm)	Total TPH ¹ (ppm)	Pass/Fail Bioassay?	
SD-18		20U	80U	100	-	
SD-19	Southern Site Area	57U	110U	167	-	
SD-20		66U	130U	196	-	
SD-21	Beach	15U	85U	100	-	
SD-22		15U	81U	100	-	
SD-23 ²	Beach	57U	160	217	-	
SD-24 ²	Below Area A	53	290	343	-	
SD-25		68U	490	558	Pass	
SD-26		94	37	131	-	
SD-27		37	320	357	-	
SD-26/27 ³		63U (56 ⁴)	320 (226 ⁴)	383	Pass	
SD-28	Piling Sediments	37	99	136	Pass	
SD-29		87	330	417	Fail	
SD-30		50	320	370		
SD-30 ⁵		77	370	447	Fail	
SD-30 ⁶		64	345	409		

Apparent minimum threshold for failure contributed by diesel range = 64 ppm or greater.
Apparent minimum threshold for failure contributed by lube oil range = 330 ppm or greater.

1 = Includes quantitation limits for non detected analytes.
2 = Highest detected concentration or highest reporting limit from sample station.
3 = Sample composited using 1/3 SD-26 and 2/3 SD-27.
4 = Predicted concentration using original sample data and ratio given in note 3 above.
5 = Duplicate sample.
6 = Average of original and duplicate sample results at station SD-30.

Copper and nickel in groundwater	Copper and nickel exceedances in wood burner area wells (MW-8 through MW-10) and Seep 5.	Continue quarterly monitoring in wells. Assess dissolved organic carbon concentrations and bioavailability of metals. Sample marine water to assess potential background conditions.
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SB04 area groundwater	Groundwater in Boring SB-04 exceeded cleanup levels for lube oil range organics during the Phase II ESA. Note that this sample was collected from a push probe and may have contained suspended sediment. Soil contamination was not found during the Phase II and RI investigations in the area. Groundwater monitoring for 4 quarters showed no exceedances of cleanup levels in any of the three wells installed for this purpose.	Discontinue groundwater monitoring. Establish conditional point of compliance for groundwater at location of the downgradient wells. Establish institutional control disallowing use of groundwater.
Area A groundwater	Groundwater contained contamination due to Bunker C spill. Contaminated soils were removed during the Interim Action and ORC was applied to backfill.	Concentrations in upgradient and downgradient wells contained no detectable contamination during 4 quarters of monitoring. The first three quarters were collected prior to the soil removal. The 4th quarter was conducted approximately 2 months following. No additional samples will be collected. Establish conditional point of compliance for groundwater at the location of the downgradient wells. Establish institutional control disallowing use of groundwater.
Shallow soils along entire rail spur alignment	cPAHs exceedances in approximately 1/2 of the samples collected to date due to creosote-treated rail ties.	No additional samples will be collected. Ties will be removed and soil cap will be installed during future trail construction similar to Area C.