

Peninsula CIMP Appendix A

Monitoring Site Information

Appendix A
Monitoring Site Information
For the Peninsula CIMP Group

CIMP Monitoring Site Summary

	Station ID	Type	Description (including historical site ID, if any)	Approximate Location		Parameters to Sample For										
				Latitude	Longitude	Bacteria (TC, FC, Entero) ^a	PCBs/DDT ^b	Nutrients (NO3+NO2, TN, TP) ^c	Metals (Cu, Pb, Zn, Hg)	Pesticides (Dieldrin, Chlordane)	PAHs, benzo(a)pyrene	Flow	TSS	Field Measurements ^d	Screening Parameters ^e	Aquatic Toxicity ^f
SMB Beaches Bacterial TMDLs CSMP	SMB 7-1	Open Beach	Malaga Cove: 300 Paseo Del Mar, Palos Verdes Estates (LACSDM)	33.80500	-118.39470	X										
	SMB 7-2	Open Beach	Bluff Cove: 600 Paseo del Mar, Palos Verdes Estates (LACSDB)	33.80330	-118.39589	X										
	SMB 7-3	Open Beach	Long Point: 7200 Palos Verdes Drive South, Rancho Palos Verdes (LACSD1)	33.79362	-118.40684	X										
	SMB 7-4	Open Beach	Albone Cove: 6000 Palos Verdes Drive South, Rancho Palos Verdes (LACSD2)	33.73872	-118.39394	X										
	SMB 7-5	Open Beach	Portuguese Bend Cove: 4100 Palos Verdes Drive South, Rancho Palos Verdes (LACSD3)	33.74183	-118.37912	X										
Machado Lake Nutrient and Pest/PCB and LA Harbor Toxics TMDL Sampling Plan	RHE City Hall	Manhole	RDD 275, Ranchview and Chadwick Canyons, also surrogate for areas not directly monitored	33.78405	-118.35289	X	X	X	X	X	X	X	X	X	As Needed	As Needed
	Valmonte	Open Channel	Valmonte and Ferncreek subdrainage	33.79539	-118.35483		X	X				X	X			
	Lariat	Grate Opening	Agua Magna/Sepulveda/Blackwater Canyon subdrainages	33.78111	-118.34718		X	X				X	X			
	Solano	Manhole	PVP subdrainage to Walteria Lake	33.80201	-118.36008		X	X				X	X			
MS4 Receiving Water Monitoring Locations	Peninsula-RW1	Ocean	1,000 ft offshore (due west) of SMB 7-1. A paired MS4 outfall is tributary to this site via Malaga Creek, and other major outfalls discharge in this vicinity.	33.80339	-118.39919	X	X						X		X	X
	Peninsula-RW2	Ocean	1,000 ft offshore (due southwest) of SMB 7-4. A paired MS4 outfall is located approximately 1,000 yards west of this location, within Abalone Cove.	33.73965	-118.38152	X	X						X		X	X
MS4 Stormwater Outfall Monitoring Locations	Peninsula-SD1	Manhole	The storm drain can be accessed via a manhole that is located in the parkway along Via Corta, adjacent to the intersection of Via Corta and Via del Puente.	33.80129	-118.39107	X	X					X	X	X	As Needed	As Needed
	Peninsula-SD2	Manhole	The storm drain can be accessed via a one of two manholes located on Seagate Drive. The preferable outfall to monitor is presumably located in a grass area on the Palos Verdes Bay Club property on the west side of Seagate Drive (near 32861 Seagate Drive).	33.74123	-118.38799	X	X					X	X	X	As Needed	As Needed

^a Per SMB Beaches Bacteria TMDLs for dry and wet weather, and Reconsideration of Certain Technical Matters of the SMBB Bacteria TMDL, Resolution R12-007

^b Per the SMB PCB/DDT TMDL and the Machado Lake Pesticide & PCB TMDL and Greater LA Harbor Toxics TMDL

^c Per the Machado Lake Nutrients TMDL

^d Field measurements include pH, dissolved oxygen, temperature, and specific conductivity. Hardness will be measured in the lab as part of the Screening Parameter suite, as there is currently no EPA-approved field testing method for hardness.

^e Screening parameters are listed in Attachment B (Table E-2 of the Permit MRP)

^f As detailed in the Permit MRP.

Stormwater Outfall Monitoring Sites

Peninsula Cities

Coordinated Integrated Monitoring Program

Stormwater Outfall Monitoring Locations

Monitoring Location ID: **Peninsula-SD1**

Latitude: 33°48.0552'

Longitude: -118°23.46'

Monitoring Location Description: Malaga Creek is a natural channel that drains a significant portion of the City of Palos Verdes Estates as well as a small portion of the City of Rancho Palos Verdes. The outlet of Malaga Creek is adjacent to SMB 7-1, an ongoing receiving water monitoring location in SMB. Of the known major outfalls that discharge to Malaga Creek, the one with the largest drainage area is proposed for CIMP monitoring. This storm drain outfall primarily drains single family residential and open space land uses, but also includes multi-family residential, commercial, and education land uses. After discharging, water from this outfall follows Malaga Creek for approximately 2,200 feet before discharging adjacent to SMB 7-1 at the beach. The storm drain can be accessed via a manhole that is located approximately 10 feet from the curb (on the Memorial Garden side) on Via Corta, and approximately 75 feet south of the intersection of Via Corta and Via del Puente. See Figure A-1 for a map of this area.

Site Photographs

View of Peninsula-SD1. This manhole requires traffic control, but provides access to the storm drain network that discharges to Malaga Creek.

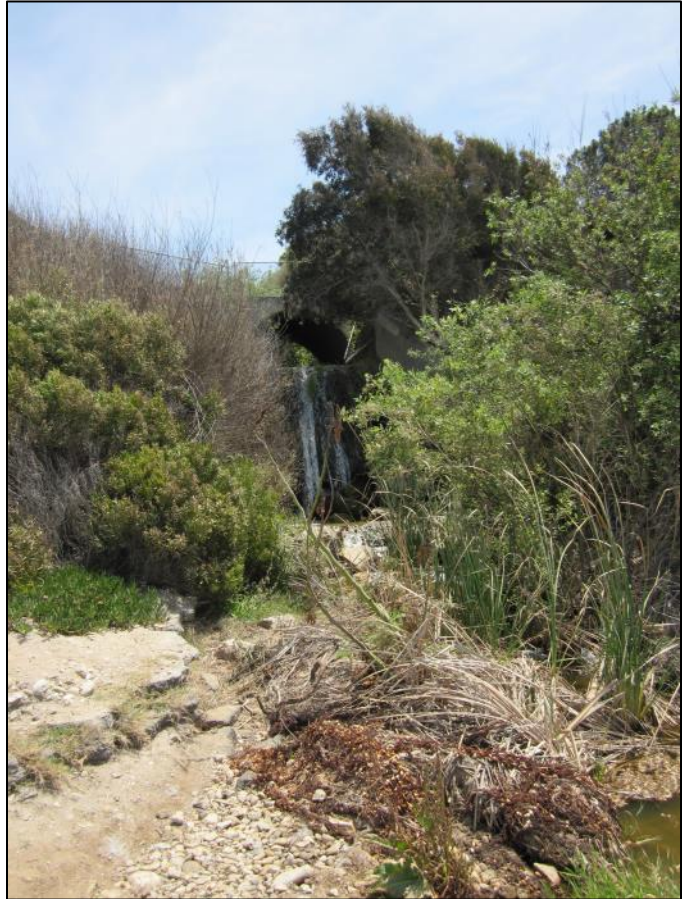


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Stormwater Outfall Monitoring Locations

Peninsula-SD1

Point where Malaga Creek discharges at the beach. SMB-1 is located adjacent to this location, up-coast approximately 100 yards.



Peninsula Cities

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Stormwater Outfall Monitoring Locations

Monitoring Location ID: **Peninsula-SD2**

Latitude: 33°44.474'

Longitude: -118°23.279'

Monitoring Location Description: McCarrell Canyon Creek, a natural channel that drains a large undeveloped area, including the Three Sisters Reserve, transitions to an underground storm drain on the north side of Palos Verdes Drive South. The storm drain runs due south along Seagate Drive, receiving runoff from a Southern California Edison electrical substation, a single family residential neighborhood, a church (St. Peter's By the Sea), and a multi-family residential neighborhood (the Palos Verdes Bay Club), before discharging to Abalone Cove. The storm drain can be accessed via a one of two manholes located on Seagate Drive. The preferable manhole to monitor is presumably located in a grass area on the Palos Verdes Bay Club property on the west side of Seagate Drive. However, this manhole appears to have been landscaped over, and will need to be uncovered if sampling is to be conducted here. An additional manhole is located in the same vicinity, slightly upstream of the other manhole on the east side of Seagate Drive. See Figure A-2 for a map of this area.

Site Photographs

View of the grass lawn believed to contain Peninsula-SD2. This photo is taken from the east curb of Seagate Drive, facing south.



Stormwater Outfall Monitoring Locations

Peninsula-SD2

Bottom of McCarrell Canyon Creek, where it transitions to an underground storm drain. Photo is taken facing north. The majority of tributary area to here is undeveloped/parkland.



Bottom of McCarrell Canyon Creek, where it transitions to an underground storm drain. The two pipes seen in the image continue south towards Palos Verdes Dr S. and Peninsula-SD2. The Southern California Edison substation can be seen on the top of the image.



Peninsula Cities

Coordinated Integrated Monitoring Program

Stormwater Outfall Monitoring Locations

Monitoring Location ID: **RHE City Hall**

Latitude: 33.78405

Longitude: -118.35289

Monitoring Location Description: Located in the parking lot behind Rolling Hills Estates City Hall (4045 Palos Verdes Drive N.), this monitoring location is accessed via a manhole upstream of the Rolling Hills Estates city boundary. This monitoring location receives runoff from County unincorporated land and all of the Peninsula Cities with the exception of Palos Verdes Estates. Additionally, tributary land uses to this site include single family residential, vacant, education, and the largest commercial area in the Peninsula Cities. See Figure A-3 for a map of this area.

Site Photographs

The major outfall at RHE City Hall. The outfall is located in the back of the parking lot, and allows for easy, safe access.



Stormwater Outfall Monitoring Locations

RHE City Hall

Northgate Environmental Field staff sampling at RHE City Hall.



Monitoring Site Figures

