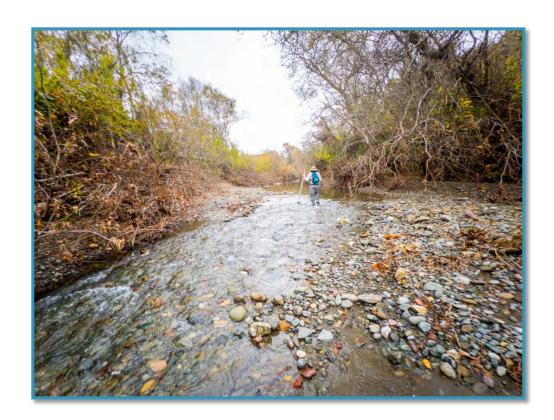
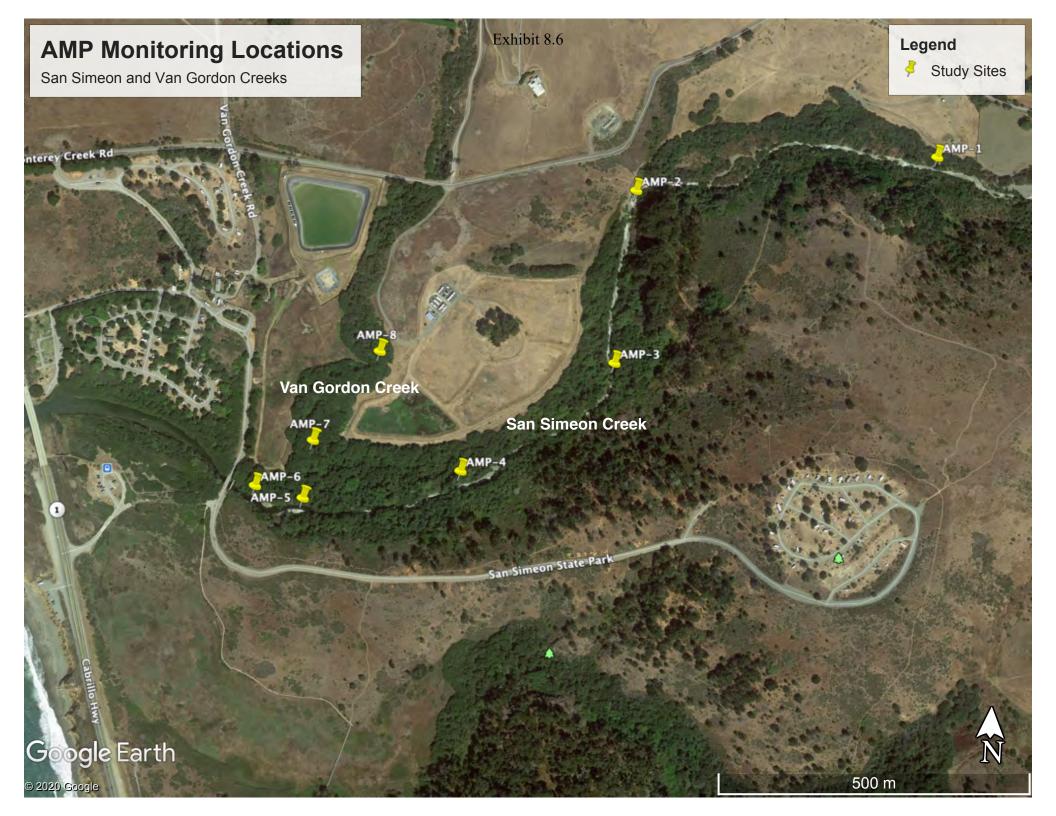
Cambria Community Service District Adaptive Management Plan Biological Bi-Monthly Monitoring Report



Prepared by

Cleveland Biological, LLC cindycleve@gmail.com 805.234.3759

November 5, 2022



Cleveland Biological, LLC		CCSD AMP Biologi	cal Monitoring in S	an Simeon and Va	n Gordon Creeks		
Cindy & Paul Cleveland			_				
Survey Date: 11-5-2022	High Tide: 5.47 ft (@ 8:49 AM	Low Tide: 0.54 ft @	9 3:12 PM	Sandbar Breached	: No	Stage (718): 2.05
Location	Site 1	Site 2	Site 3	Site 4	Site 5	<u>Site 7*</u>	Site 8
Time	2:44 PM	2:32 PM	2:23 PM	2:05 PM	1:53 PM	1:53 AM	1:30 PM
Weather (°F, Cloud cover)	60, Clear	66, Clear	60, Clear	68, Clear	66, Clear	66, Fog	64, Fog
Habitat							
Stream type (run, riffle, pool)	Pool	Riffle	Run	Run	Run	Run	Riffle
Instream cover type (lwd,swd,etc)	swd	riparian veg	none	swd	riparian veg	none	none
Substrate type (cobble, gravel, silt)	c, s	c, g	c, g	c, g	s, c	С	С
Substrate embededness (%)	75	50	50	100	100	100	75
Algae Surface (%)	0	0	0	20	10	0	0
Algae Subsurface (%)	0	0	0	100	100	0	0
Vegetation							
Instream cover (%)	0	0	0	10	10	0	0
Overhead cover (%)	10	0	10	30	10	80	80
Riparian width-Rt Bank (ft)	150	35	210	135	25	30	30
Riparian width-Lt Bank (ft)	100	10	8.6	230	85	85	55
Riparian Moisture-Rt Bank (%)	4.3	7.2	14.5	19.8	13.4	14.5	15.8
Riparian Moisture-Lt Bank (%)	0.0	0.0	3.2	13.8	23.6	13.8	12.7
Hydrology							
Maximum depth (ft)	dry	dry	dry	0.5	1.9	dry	dry
Wetted width (ft)	dry	dry	dry	13.0	24.5	dry	dry
Flow = Area x Rate (cfs)	dry	dry	dry	0.2	2.3	dry	dry
Hydrology Calculations							
Depth 1 @ 1/4 (ft)	dry	dry	dry	0.1	0.7	dry	dry
Depth 2 @ 1/2 (ft)	dry	dry	dry	0.5	1.2	dry	dry
Depth 3 @ 3/4 (ft)	dry	dry	dry	0.5	1.9	dry	dry
Average Depth = total/4 (ft)	dry	dry	dry	0.3	1.0	dry	dry
Area = Width x Avg Depth (ft^2)	dry	dry	dry	3.6	23.3	dry	dry
Rate from meter (ft/sec)	dry	dry	dry	0.05	0.1	dry	dry

Exhibit 8.6

	Site 1	Site 2	Site 3	Site 4	Site 5	Site 7*	Site 8			
Water Quality										
Temperature (F)	dry	dry	dry	58.9	59	dry	dry			
Dissolved Oxygen (%)	dry	dry	dry	23.7	65.5	dry	dry			
Dissolved Oxygen (ppm)	dry	dry	dry	2.38	6.58	dry	dry			
Total Dissolved Solids (mg/L)	dry	dry	dry	771	885	dry	dry			
Salinity (ppt)	dry	dry	dry	0.59	0.69	dry	dry			
Water Guage										
Water Level (ft)				na	na					
Site 4 guage is in pool approx.50 r	m upstream of Site 4 r	near right bank. Site	5 guage is at site or	n left bank.						
Species Observed Comments	Stickleback @ Sites 4 & 5 and in isolated pools above Site 4. TWG @ Site 5. Prickly sculpin @ Site 4. One CRLF above Site 4 near powerlines. 2 Snowy egrets, 1 Great blue heron, Quail. Continuous flow ends three-quarters of the way between Sites 4 and 3.									
Location Descriptions	Trail by SS-1	Downstream of rock pool	Draw a line from 9P7 along road to the creek	Stream flow starts/ends	Upstream of Van Gordon confluence	Van Gordon accessed at MW-4	Van Gordon accessed from AWTP			
GPS	35°36'0.23"N	35°35'57.55"N	35°35'48.09"N	35°35'41.88"N	35°35'40.00"N	35°35'43.10"N	35°35'48.06"N			
	121° 6'33.42"W	121° 6'53.39"W	121° 6'54.29"W	121° 7'4.04"W	121° 7'14.25"W	121° 7'13.85"W	121° 7'9.81"W			
*Site 6 is on State Parks property a	and is not accessible a	at this time.								
9P7 Soil Moisture†										
North (%)	7.7									
East (%)	7.7									
South (%)	5.4									
West (%)	7.6									
VV EST (70)	7.0									
†Moisture measured on each side	of well casing. Max re	ading is 50%.								





Site 1



Site 1



Site 1







Site 2





Site 2











Site 4



Site 4 Site 4



Site 5



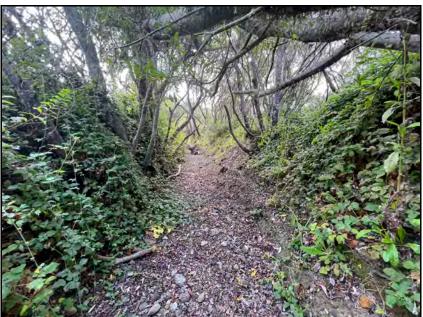
Site 5



Site 5







Site 7





Site 7









Site 8



Site 8



9P7 Well





Esturary PS-2





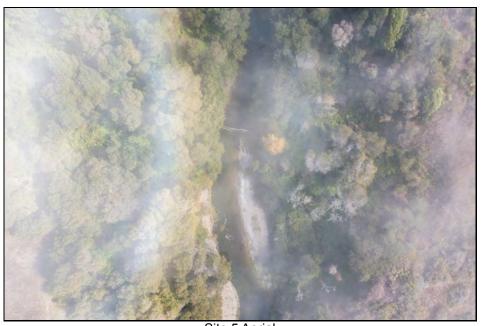


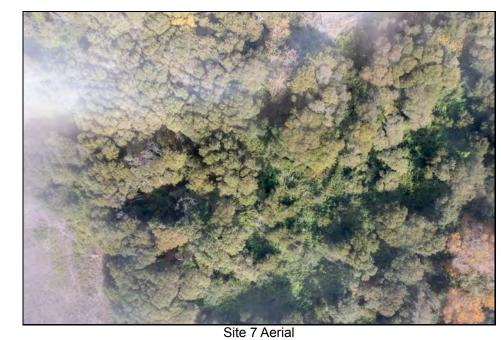
Site 2 Aerial



Site 3 Aerial

Site 4 Aerial





Site 5 Aerial



Site 8 Aerial



Site 1 Riparian Left



Site 2 Riparian Left



Site 1 Riparian Right



Site 2 Riparian Right



Site 3 Riparian Left



Site 3 Riparian Right



Site 4 Riparian Left



Site 4 Riparian Right



Site 5 Riparian Left





Site 7 Riparian Left



Site 7 Riparian Right



Site 8 Riparian Left & Right