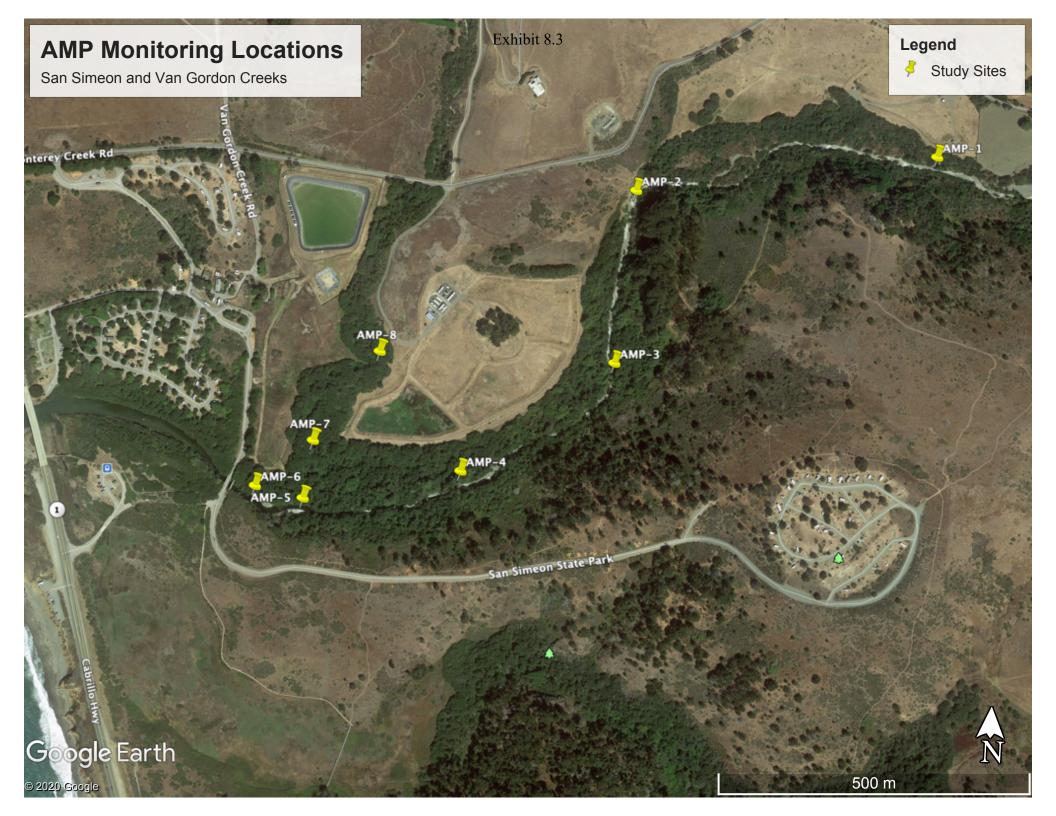
Cambria Community Service District Adaptive Management Plan Biological Bi-Monthly Monitoring Report



Prepared by

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Cleveland Biological, LLC		CCSD AMP Biologi	cal Monitoring in S	an Simeon and Va	n Gordon Creeks		
Cindy & Paul Cleveland							
Survey Date: 2-14-2022	High Tide: 5.41 ft (@ 7:34 AM	Low Tide: -0.49 ft	@ 3:01 PM	Sandbar Breached	i: No	Stage (718): 2.27
Location	Site 1	Site 2	Site 3	Site 4	Site 5	<u>Site 7*</u>	Site 8
Time	12:11 PM	11:45 AM	11:29 AM	11:10 AM	10:46 AM	10:24 AM	10:01 AM
Weather (°F, Cloud cover)	68, cloudy	68, cloudy	67, clear	64, clear	62, clear	58, clear	58, fog
Habitat							
Stream type (run, riffle, pool)	Pool	Riffle	Run	Run	Pool	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	50	100	75	75
Algae Surface (%)	0	0	0	0	0	0	0
Algae Subsurface (%)	75	75	75	100	75	0	0
Vegetation							
Instream cover (%)	0	0	0	10	10	0	0
Overhead cover (%)	10	0	10	30	10	80	
Riparian width-Rt Bank (ft)		35	210	135	25	30	
Riparian width-Lt Bank (ft)	100	10	8.6	230	85	85	55
Riparian Moisture-Rt Bank (%)	25.4	21.6	11.4	50.0	26.7	21.4	21.9
Riparian Moisture-Lt Bank (%)	19.2	7.8	16.2	22.8	22.0	19.0	18.7
Hydrology							
Maximum depth (ft)	2.5	0.9	0.4	0.9	3.3	dry	dry
Wetted width (ft)	22.5	23.5	12.5	13.8	51.0	dry	
Flow = Area x Rate (cfs)	3.7	2.1	1.8	1.5	8.7	dry	
Hydrology Calculations							
Depth 1 @ 1/4 (ft)	2.3	0.3	0.1	0.6	1.3	dry	dry
Depth 2 @ 1/2 (ft)	2.5	0.9	0.3	0.9	2.4	dry	
Depth 3 @ 3/4 (ft)	1.7	0.6	0.4	0.7	3.1	dry	dry
Average Depth = total/4 (ft)	1.6	0.5	0.2	0.6	1.7	dry	dry
Area = Width x Avg Depth (ft^2)	36.6	10.6	2.5	7.6	86.7	dry	-
Rate from meter (ft/sec)	0.1	0.2	0.7	0.2	0.1	dry	dry

Exhibit 8.3

	Site 1	Site 2	Site 3	Site 4	Site 5	<u>Site 7*</u>	Site 8				
Water Quality											
Temperature (F)	61	58.2	58.3	57.4	57.6	dry	dry				
Dissolved Oxygen (%)	134.3	107.9	105.9	101.9	86.4	dry	dry				
Dissolved Oxygen (ppm)	13.2	10.97	10.75	10.46	8.83	dry	dry				
Total Dissolved Solids (mg/L)	385	391	404	562	647	dry	dry				
Salinity (ppt)	0.29	0.29	0.30	0.43	0.49	dry	dry				
Water Guage											
Water Level (ft)				na	na						
Site 4 guage is in pool approx.50	m upstream of Site 4 r	near right bank. Site	5 guage is at site o	n left bank.							
Comments	_	The rain and high flows caused several changes - the deepest pool above Site 4 has filled into a run. The large tree that fell at Site 4 is gone, and both stream gauges at Sites 4 and 5 are gone. Between 12/13/21 and 12/29/21 there was 8.07 inches of rainfall recorded.									
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				
0.3	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 propert			121 03 1.23 11	121 / 1.01 W	121 / 11.25 **	121 7 13.03 11	121 / 3.01 **				
9P7 Soil Moisture†											
North (%)	10.4										
East (%)	7.4										
South (%)	7.8										
West (%)	9.0										
†Moisture measured on each sig	le of well casing. Max re	eading is 50%.									









Site 1



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Site 2





Site 2



9







Site 3



Site 3



Site 4



Cite 4

Site 4



Site 4



Site 5



Site 5



Site 5



Site 5







Site 7



Site 7







Site 8



Site 8



9P7 Well



Walking Bridge PS-1

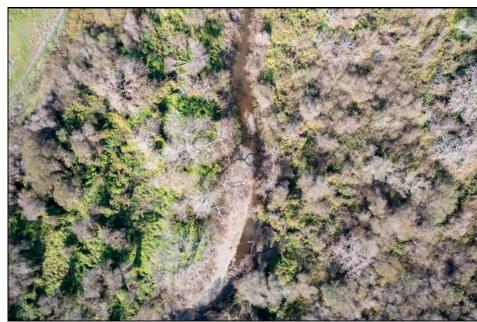


Esturary PS-2





Site 2 Aerial





Site 3 Aerial

Site 4 Aerial

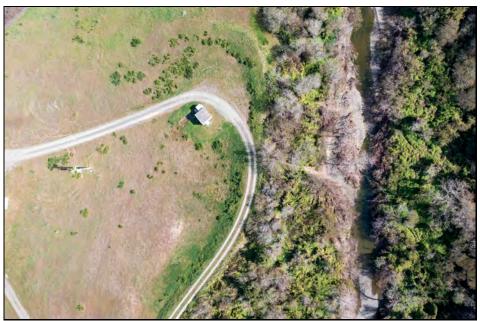




Site 5 Aerial



Site 8 Aerial



Site 1 Riparian Left



Site 2 Riparian Left

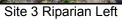


Site 1 Riparian Right



Site 2 Riparian Right







Site 3 Riparian 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