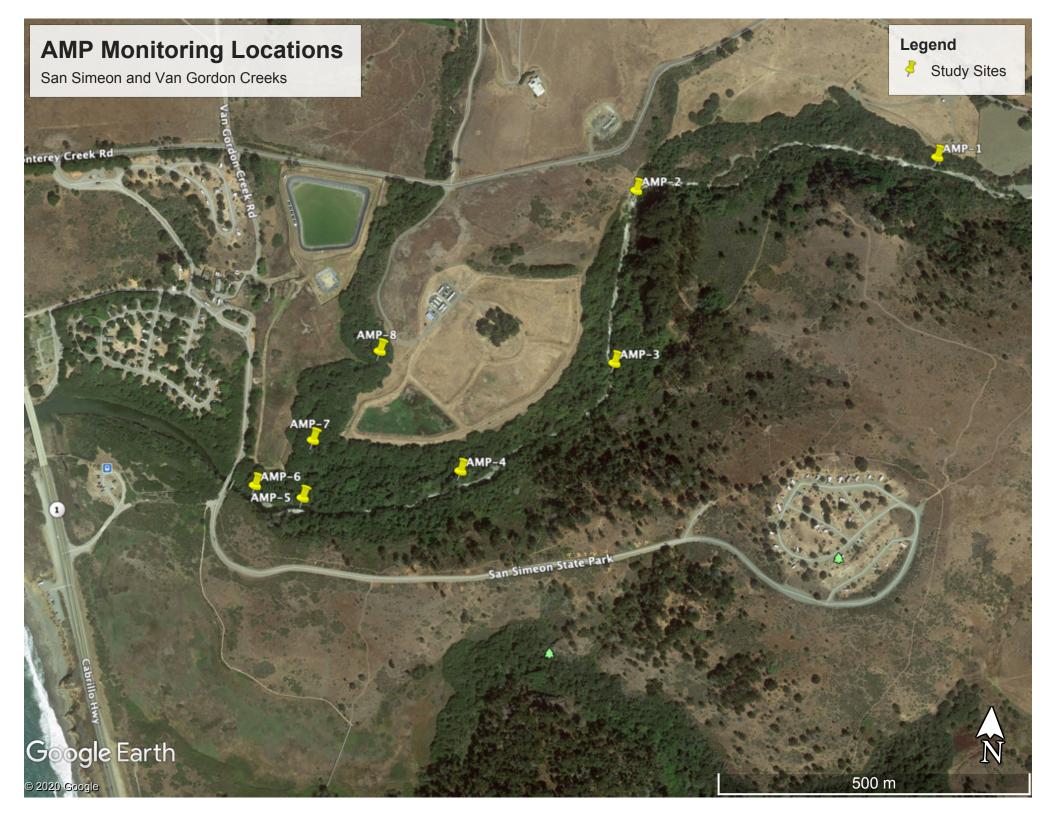
Cambria Community Service District Adaptive Management Plan Biological Bi-Monthly Monitoring Report



Prepared by

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Cleveland Biological, LLC							
Cindy & Paul Cleveland							
Survey Date: 8-4-2022	High Tide: 5.01 ft	@ 3:50 PM	Low Tide: 1.58 ft @	9 8:53 AM	Sandbar Breached	l: No	Stage (718): 2.04
Location	Site 1	Site 2	Site 3	Site 4	<u>Site 5</u>	<u>Site 7*</u>	
Time	1:45 PM		12:48 PM	12:33 PM	12:05 PM	11:37 AM	
Weather (°F, Cloud cover)	76, Cloudy	74, Cloudy	64, Cloudy	70, Clearing	68, Fog	68, Fog	62, Fog
Habitat							
Stream type (run, riffle, pool)	Pool	Riffle	Run	Run	Run	Run	Riffle
Instream cover type (Iwd,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	100	0	5	0	0
Algae Subsurface (%)	75	75	100	75	75	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	
Riparian width-Lt Bank (ft)	100	10	8.6	230	85	85	55
Riparian Moisture-Rt Bank (%)	7.6	0.8	24.1	7.8	8.0	14.5	10.6
Riparian Moisture-Lt Bank (%)	0.0	0.0	0.0	22.0	20.7	20.7	12.8
Hydrology							
Maximum depth (ft)	dry	dry	dry	0.7	1.7	dry	dry
Wetted width (ft)	dry	dry	dry	13.0	22.5	dry	dry
Flow = Area x Rate (cfs)	dry	dry	dry	0.3	1.8	dry	dry
Hydrology Calculations							
Depth 1 @ 1/4 (ft)	dry	dry	dry	0.5	0.6	dry	dry
Depth 2 @ 1/2 (ft)	dry	dry	dry	0.6	1.0	dry	•
Depth 3 @ 3/4 (ft)	dry	dry	dry	0.5	1.6	dry	•
Average Depth = total/4 (ft)	dry	dry	dry	0.4	0.8	dry	
Area = Width x Avg Depth (ft^2)	dry	dry	dry	5.2	18.0	dry	dry
Rate from meter (ft/sec)	dry	dry	dry	0.05	0.1	dry	dry

	Site 1	Site 2	Site 3	Site 4	Site 5	<u>Site 7*</u>	Site 8
Water Quality							
Temperature (F)	dry	dry	dry	61.9	63.1	dry	dry
Dissolved Oxygen (%)	dry	dry	dry	47.3	75.7	dry	dry
Dissolved Oxygen (ppm)	dry	dry	dry	4.6	7.25	dry	dry
Total Dissolved Solids (mg/L)	dry	dry	dry	709	828	dry	dry
Salinity (ppt)	dry	dry	dry	0.54	0.64	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 or	n left bank.			
Species Observed Comments	One Western pond	d turtle observed do	ownstream or site s	. Stickleback & Sitt			
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	nd is not accessible a	t this time.					
9P7 Soil Moisture†							
North (%)	3.9						
East (%)	0.0						
South (%)	0.0						
West (%)	0.0						
†Moisture measured on each side o	of well casing May re	eading is 50%					



Site 1



Site 1



9







Site 2



Site 2



Site 3 Site 3



Site 4



Site 4



Site 4



Site 4



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 1 Riparian Left





Site 2 Riparian Left



Site 2 Riparian Right





Site 4 Riparian Left



Site 3 Riparian Right



Site 4 Riparian Right



Site 5 Riparian Left



Site 5 Riparian Right



Site 7 Riparian Left



Site 7 Riparian Right



Site 8 Riparian Left & Right