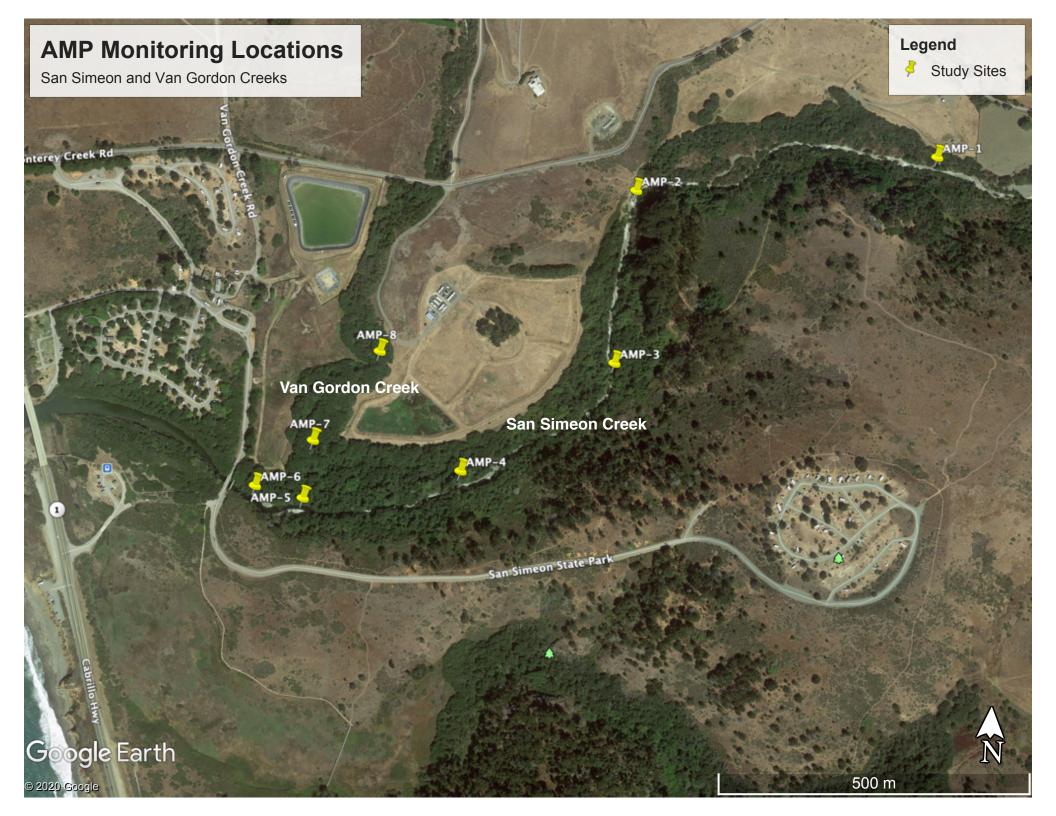
# Cambria Community Service District Adaptive Management Plan Biological Bi-Monthly Monitoring Report



Prepared by

Cleveland Biological, LLC cindycleve@gmail.com 805.234.3759

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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: 5-8-2022 High Tide: 3		@ 3:15 AM	Low Tide: 0.12 ft @ 11:22 AM		Sandbar Breached: No		<b>Stage (718):</b> 2.05
Location	<u>Site 1</u>	<u>Site 2</u>	<u>Site 3</u>	<u>Site 4</u>	Site 5	<u>Site 7*</u>	Site 8
Time	11:45 AM	11:31 AM	11:08 AM	10:54 AM	10:35 AM	10:18 AM	10:10 AM
Weather (°F, Cloud cover)	64 F, clear	64 F, clear	62 F, clear	62 F, clear	62 F, clear	62 F, clear	62 F, clear
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	75	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	30
Riparian width-Lt Bank (ft)	100	10	8.6	230	85	85	55
Riparian Moisture-Rt Bank (%)	16.1	10.2	14.3	47.6	8.9	14.8	23.0
Riparian Moisture-Lt Bank (%)	7.5	0.0	17.8	28.8	16.7	18.4	15.2
Hydrology							
Maximum depth (ft)	dry	dry	0.05	0.5	2.2	dry	dry
Wetted width (ft)	dry	dry	5	13.0	27.5	dry	dry
Flow = Area x Rate (cfs)	dry	dry	0.0	0.5	2.8	dry	dry
Hydrology Calculations							
Depth 1 @ 1/4 (ft)	dry	dry	0.05	0.5	0.7	dry	dry
Depth 2 @ 1/2 (ft)	dry	dry	0.05	0.5	1.4	dry	dry
Depth 3 @ 3/4 (ft)	dry	dry	0.05	0.5	2.0	dry	dry
Average Depth = total/4 (ft)	dry	dry	0.0	0.4	1.0	dry	dry
Area = Width x Avg Depth (ft^2)	dry	dry	0.2	4.9	28.2	dry	dry
Rate from meter (ft/sec)	dry	dry	0	0.1	0.1	dry	dry

	Site 1	Site 2	Site 3	Site 4	Site 5	Site 7*	Site 8
Water Quality							
Temperature (F)	dry	dry	58.6	59.5	60.5	dry	dry
Dissolved Oxygen (%)	dry	dry	47	55	81.6	dry	dry
Dissolved Oxygen (ppm)	dry	dry	4.76	5.5	8.05	dry	dry
Total Dissolved Solids (mg/L)	dry	dry	250	722	751	dry	dry
Salinity (ppt)	dry	dry	0.19	0.55	0.58	dry	dry
Water Guage							
Water Level (ft)				na	na		
Site 4 guage is in pool approx.50 m (	upstream of Site 4 n	ear right bank. Site	5 guage is at site or	n left bank.			
Species Observed  Comments	Approx. 100 stickl	eback throughout s	sites 4 & 5. One We	stern pond turtle o	bserved downstrea	m of Site 5.	
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 an	d is not accessible a	t this time.					
9P7 Soil Moisture†							
North (%)	11.8						
East (%)	8.9						
South (%)	11.3						
West (%)	13.0						
†Moisture measured on each side of	well casing. Max re	ading is 50%.					







Site 1





Site 1











Site 2











Site 4



Site 4



Site 4



Site 4







Site 5



Site 5



Site 7



Site 7



Site 7



Site 7



Site 8



Site 8



Site 8







Esturary PS-2







Site 3 Aerial Site 4 Aerial





Site 5 Aerial



Site 8 Aerial



Site 1 Riparian Left



Site 2 Riparian Left

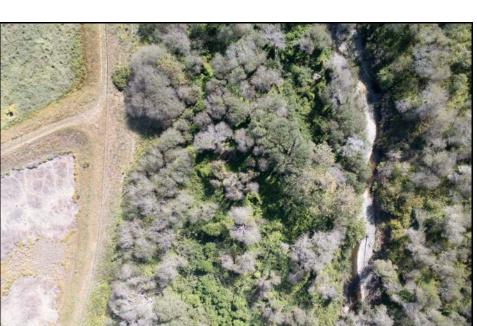


Site 1 Riparian Right



Site 2 Riparian Right

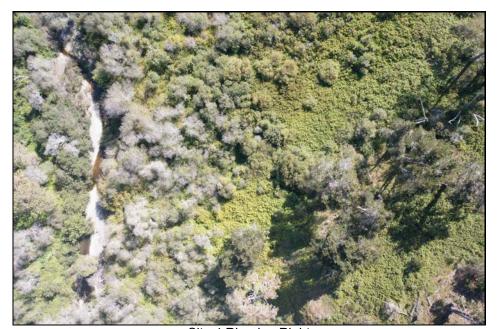




Site 4 Riparian Left



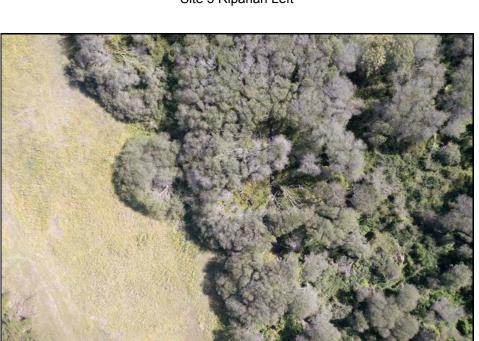
Site 3 Riparian Right



Site 4 Riparian Right



Site 5 Riparian Left



Site 7 Riparian Left



Site 5 Riparian Right



Site 7 Riparian Right



Site 8 Riparian Left & Right