

STREAM TEAM DATA

(R8,9)

SANTA MARGARITA		
WATERSHED	Sandia Creek	Rainbow Creek
*METRICS	S '01	S '01
Richness Measures		
<i>Taxa Richness</i>	**13.0	13.5
<i>Ephemeroptera Taxa</i>	1.3	1.5
<i>Plecoptera Taxa</i>	0	1
<i>Trichoptera Taxa</i>	4.7	1.5
<i>EPT Taxa</i>	6	4.5
Composition Measures		
<i>EPT Index</i>	88	52
<i>Sensitive EPT Index</i>	15	10
<i>Shannon Diversity</i>	0	0
<i>% Hydropsychidae</i>	40	36
<i>% Baetidae</i>	30	4.6
Tolerance/Intolerance		
<i>Tolerance Value</i>	3.8	5
<i>% Intolerant Organisms</i>	0	0
<i>% Tolerant Organisms</i>	2.5	18
<i>% Dominant Taxa</i>	43	36
Feeding Groups		
<i>% Collectors ©</i>	39	32
<i>% Filterers (f)</i>	44	40
<i>% Scrapers (g)</i>	15	17
<i>% Predators</i>	1.9	8.8
<i>% Shredders (s)</i>	0	0.5

	SAN LUIS REY RIVER WATERSHED					
	Pauma Ck	Pauma Ck	SLR River	SLR River	West Fork	Weaver Ck
	S' 99	S' 99	F' 00	S' 01	F' 00	S' 01
*METRIC S						
Richness Measures						
<i>Taxa Richness</i>	**8.3	7	3.7	3.7	6	11.7
<i>Ephemeroptera Taxa</i>	1.3	2.3	0.7	0.7	0	1
<i>Plecoptera Taxa</i>	0.3	0	0	0	1	0.3
<i>Trichoptera Taxa</i>	2.3	2	0.3	0.3	0	2.7
<i>EPT Taxa</i>	4	4.3	1.5	1.5	2	4
Composition Measure						
<i>EPT Index</i>	44.7	28.1	75.9	75.9	56.3	21.9
<i>Sensitive EPT Index</i>	13.5	4.6	0	0	50	2.4
<i>Shannon Diversity</i>	0	0	0	0	0	0
<i>% Hydropsychidae</i>	28.9	19.5	1.1	1.1	0	13.3
<i>% Baetidae</i>	0.7	2.6	74.8	74.8	0	3.2
Tolerance/Intolerance						
<i>Tolerance Value</i>	4.5	5.3	4.5	4.5	2.6	5.1
<i>% Intolerant Organisms</i>	0	0	0	0	0	0
<i>% Tolerant Organisms</i>	0.3	0.6	7.8	5.4	3.2	13

% Dominant Taxa	43.4	50.3	74.8	74.8	50	41.8
Feeding Groups						
<i>P%</i> Collectors (c)	44.4	53.3	91	91	25	60.8
<i>Percent Filterers</i> (f)	38	41.4	9	9	6.3	19.2
% Scrapers (g)	12.6	4.6	0	0	0	1
% Predators	1.2	0.7	0	0	12.5	16
% Shredders (s)	0.9	0	0	0	50	1.7

* Values based on identification of 100 benthic macroinvertebrates to family (insects) or phylum (non-i

** Values based on average of three composite samples per site

SAN DIEGUITO	<i>Black Mountain Ck</i>		<i>Green Valley Creek</i>		<i>Kit Carson Creek</i>		<i>Sta Isab</i>
*METRICS	F '00	S '01	F '00	S '01	F '00	S '01	F '00
Richness Measures	Dry						Dry
<i>Taxa Richness</i>		**8.3	8.5	5.5	3.7	7	
<i>Ephemeroptera Taxa</i>		2	1	1	0.3	1	
<i>Plecoptera Taxa</i>		0	0	0.5	0	0	
<i>Trichoptera Taxa</i>		1.3	0.5	0.1	0	0.7	
<i>EPT Taxa</i>		3.3	1.5	1.5	0.3	1.7	
Composition Measure							
<i>EPT Index</i>		41.9	27	3.5	1.1	12.6	
<i>Sensitive EPT Index</i>		4.1	0	0.5	0	0	
<i>% Hydropsychidae</i>		4	4.2	0	0	0	
<i>% Baetidae</i>		33.8	22.8	3	1.1	11.2	
Tolerance/Intolerance							
<i>Tolerance Value</i>		4.4	5.2		6.7	5.8	
<i>% Intolerant Organisms</i>		0	0	0	0	0	
<i>% Tolerant Organisms</i>		2.7	12.5	0.5	29	2.1	
<i>% Dominant Taxa</i>		53.2	41.6	84.3	69.5	54.4	
Feeding Group							
<i>P% Collectors ©</i>		77.2	47.6	3	73.2	69	
<i>Percent Filterers (f)</i>		17	40.3	0	5.6	29	
<i>% Scrapers (g)</i>		4.1	0	0.5	0	0.3	
<i>% Predators</i>		1	3.4	88.9	21.3	1.4	
<i>% Shredders (s)</i>		0.7	0	0	0	0	

* Values based on identification of 100 benthic macroinvertebrates to family (insects) or phylum (non-insects)

** Values based on average of three composite samples per site

ella Ck	
S'01	
7.3	
1.7	
0	
0	
1.7	
5.4	
2.4	
0	
3	
7.4	
0	
81	
79.8	
13.5	
2.3	
82.2	
1.7	
0	

s).

COTTONWOOD 2	KITCHEN CREEK					
	WATERSHED	KTC2B	KTC2	KTC5	KTC5	KTC5
	S '98	F '98	S '99	S '00	S '01	
*METRICS						
Richness Measures						
<i>Taxa Richness</i>	**17.0	17	19	8	7.5	
<i>Ephemeroptera Taxa</i>	2	3	3	2	1.5	
<i>Plecoptera Taxa</i>	2	1	1.7	1	1	
<i>Trichoptera Taxa</i>	3	5	3.3	1	0	
<i>EPT Taxa</i>	7	9	8	4	2.5	
Composition Measure						
<i>EPT Index</i>	57.8	65.9	45	6.3	17.3	
<i>Sensitive EPT Index</i>	36.1	37.4	32.6	2.5	12.5	
<i>% Hydropsychidae</i>	15.7	22	1.3	1.3	0	
<i>% Baetidae</i>	1.2	4.4	9.5	2.5	4.8	
Tolerance/Intolerance						
<i>Tolerance Value</i>	3.3	3.9	3.6	5.8	5.3	
<i>% Intolerant Organisms</i>	36.1	31.9	39.4	2.5	12.5	
<i>% Tolerant Organisms</i>	3.6	4.4	8	2.5	2.1	
<i>% Dominant Taxa</i>	26.5	22	29.4	78.8	68.9	
Feeding Groups						
<i>% Collectors (c)</i>	19.3	14.3	33.4	83.8	82.7	
<i>%t Filterers (f)</i>	19.3	46.2	4	1.3	0	
<i>% Scrapers (g)</i>	10.8	6.6	19.1	1.3	0.6	
<i>% Predators</i>	19.3	5.5	30.9	13.8	14.3	
<i>% Shredders (s)</i>	27.7	#DIV/0!	11.9	0	0	

* Values based on identification of 100 benthic macroinvertebrates to family (insects) or phylum (non-insect)

** Values based on average of three composite samples per site

SWEETWATER				
WATERSHED	Dulzura Ck	Jamul Ck	Sweetwater River	
*METRICS	S '01	S '01	F '00	S '01
Richness Measures				
<i>Taxa Richness</i>	**6	5.3	7	6.7
<i>Ephemeroptera Taxa</i>	2	1	1	1
<i>Plecoptera Taxa</i>	0	0	0	0
<i>Trichoptera Taxa</i>	2	1	1	1.3
<i>EPT Taxa</i>	4	2	2	2.3
Composition Measures				
<i>EPT Index</i>	98	46.4	47.1	9.9
<i>Sensitive EPT Index</i>	1	0	0	0
<i>% Hydropsychidae</i>	92.9	24.8	23.9	1
<i>% Baetidae</i>	0	21.6	23.2	4.8
Tolerance/Intolerance				
<i>Tolerance Value</i>	4	5.2	5.1	6
<i>% Intolerant Organisms</i>	0	0	0	0
<i>% Tolerant Organisms</i>	0	3.1	0.6	10
<i>% Dominant Taxa</i>	92.9	43.9	32.9	51.2
Feeding Groups				
<i>P% Collectors ©</i>	5.1	55.1	41.9	33.4
<i>Percent Filterers (f)</i>	92.9	42.9	56.8	55
<i>% Scrapers (g)</i>	1	0.3	0	10.2
<i>% Predators</i>	1	1.7	1.3	1.4
<i>% Shredders (s)</i>	0	0	0	0

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** Values based on average of three composit samples per site

SAN DIEGO WATERSHED	Alvarado Creek			San Vicente Creek		WildcatC anyon
	F 00	S 01	S 98	F 00	S 01	S 98
*METRICS						
Richness Measures						
<i>Taxa Richness</i>	**9.7	7	10	9.7	7.7	9
<i>Ephemeroptera Taxa</i>	1	1	2	0.3	1	2
<i>Plecoptera Taxa</i>	0	0	1	0	0	2
<i>Trichoptera Taxa</i>	1	2	0	1	2	1
<i>EPT Taxa</i>	2	3	3	1.3	3	5
Composition Measure						
<i>EPT Index</i>	68.5	37.3	10.9	53.8	68.3	65
<i>Sensitive EPT Index</i>	0	0	2	53.4	31	27.5
<i>% Hydropsychidae</i>	33.9	7.9	0	0	2	0
<i>% Baetidae</i>	34.6	25.3	8.9	0	35.3	27.5
Tolerance/Intolerance						
<i>Tolerance Value</i>	5.2	5.3	5	4.2	3.9	3.5
<i>% Intolerant Organisms</i>	0	0	13.9	53.4	31	37.5
<i>% Tolerant Organisms</i>	22.1	1.7	0	27.9	6.9	0
<i>% Dominant Taxa</i>	37.9	55.1	48.5	55.5	36.6	27.5
Feeding Groups						
<i>P% Collectors ©</i>	55	35.4	35.6	25.3	47.9	42.5
<i>Percent Filterers (f)</i>	34.2	62.8	48.5	1.8	12.5	7.5
<i>% Scrapers (g)</i>	0	0.4	11.9	60.4	36	0
<i>% Predators</i>	9.1	1.4	4	11	3.6	40
<i>% Shredders (s)</i>	0	0	0	0.5	0	10

LOS PENASQUITOS WATERSHED					
*METRICS	Chicarita Ck	Chicarita Ck	Cypress Ck	Los Pen Ck	Los Pen Ck
	S '00	F '00	S '01	F '00	S '01
Taxa Richness					
<i>Taxa Richness</i>	**4.0	7	3	8	6.3
<i>Ephemeroptera Taxa</i>	1	1	1	1	1
<i>Plecoptera Taxa</i>	0	0	0	0	0
<i>Trichoptera Taxa</i>	0.5	1.3	0	1	0.7
<i>EPT Taxa</i>	1.5	2.3	1	2	1.7
Composition					
<i>EPT Index</i>	21.9	69.9	15	33	14.9
<i>Sensitive EPT Index</i>	0	0	0	0	0
<i>% Hydropsychidae</i>	3.5	21.4	0	12.1	0.3
<i>% Baetidae</i>	18.5	48.2	15	20.9	14.2
Tolerance/Intolerance					
<i>Avg Tolerance Value</i>	5.6	4.7	5.7	7.1	5.5
<i>% Intolerant Organisms</i>	0	0	0	0	0
<i>% Tolerant Organisms</i>	0	4.3	0	56	2.8
<i>% Dominant Taxa</i>	70.6	50.5	70	45.1	55.6
Feeding Groups					
<i>P% Collectors ©</i>	25	61.8	30	41.8	44.1
<i>Percent Filterers (f)</i>	74	23.1	70	13.2	54.2
<i>% Scrapers (g)</i>	1	0	0	0	1.1
<i>% Predators</i>	0	15	0	45.1	0.7
<i>% Shredders (s)</i>	0	0	0	0	0

* Values based on identification of 100 benthic macroinvertebrates to family (insects) or phylum (non-ins)

** Values based on average of three composite samples per site

CARLSBAD WATERSHED	Aqua Hed Ck	Aqua Hed Ck	Aqua Hed Ck	Dunbar Ck	Encinitas Ck
*METRICS	S '99	S '00	S '01	S '01	F '99
Richness Measures					
Taxa Richness	**6.5	6	6	8	5
Ephemeroptera Taxa	1	1	1	1	0
Plecoptera Taxa	0	0	0	0	0
Trichoptera Taxa	0	0.3	1	2	0
EPT Taxa	1	1.3	2	3	0
Composition Measure					
EPT Index	64.6	19.6	87.5	57	0
Sensitive EPT Index	0	0.4	0	0	0
% Hydropsychidae	0	0	0	54.2	0
% Baetidae	64.6	19.2	85.6	1.9	0
Tolerance/Intolerance					
Tolerance Value	4.6	5.5	4.2	4.8	2.9
% Intolerant Organisms	0	0	0	0	0
% Tolerant Organisms	3.1	0.4	1	0	7.1
% Dominant Taxa	64.6	59.3	85.6	54.2	57.1
Feeding Groups					
P% Collectors ©	92.9	36.9	87.5	35.5	64.3
Percent Filterers (f)	2.7	59.3	9.6	60.7	0
% Scrapers (g)	0	0.4	0	0.9	0
% Predators	0	2.7	1	1.9	7.1
% Shredders (s)	0	0	0	0	0

* Values based on identification of 100 benthic macroinvertebrates to family (insects) or phylum (non-insects).

** Values based on average of three composite samples per site

Escondido Ck S '01	Escondido Ck S '01
4.7	4.7
1	1
0	0
1	1.3
2	2.3
87.3	88.2
0	0.7
38	46.7
49.2	40.8
4.3	4.4
0	0
0	0.7
59.2	51
56.8	51
43.2	47.4
0	0.7
0	1
0	0