

# 2023 Riverwalk Datasheets

Each year 13 groups collect habitat data at over 100 field points in the Santa Ana River.

This year, volunteers were given the option to collect habitat data using the ArcGIS Field Maps Application.

This PDF is a collection of the physical datasheets and does not include the habitat data collected through the ArcGIS Field Maps application.



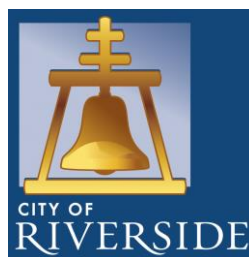
Conservation Team

<https://sawpa.gov/task-force/santa-ana-sucker-conservation-team/>

## Santa Ana Watershed Project Authority

11615 Sterling Avenue

Riverside, CA 92503



## Riverwalk Santa Ana River Sucker Habitat Evaluation

Transect Name: SAS 99

Date 10/26/2023

Target UTM: 448253

3756327

Observers (writer/other) Ian A, Haley G, Rachel G (sawpa)

OBSERVATIONS		CHANNEL #1	CHANNEL #2	CHANNEL #3
Actual GPS coordinates in UTM (@ Left Bank*)		33.946203 -117.559867		
Channel position (L/C/R*)		C		
Width of Channel (m)		25m		
Max Depth (cm) & Location in Channel (L/C/R*)		58cm L		
Depth @ Left Edge (cm) (~4" from bank edge)		52cm		
Depth @ Right Edge (cm) (~4" from bank edge)		13cm		
% Veg- Left Bank*		90%		
% Veg- Right Bank*		100%		
% Canopy Over Transect Band		7%		
Should total 100%	Substrate % mud/silt	100%		
	Substrate % sand	0		
	Substrate % gravel	0		
	Substrate % cobble	0		
	Substrate % boulder	0		
Photo Upstream (time & #)		✓		
Photo Downstream (time & #)		✓		
Photo Left Bank* (time & #)		✓		
Photo Right Bank* (time & #)		✓		
Photo other (describe)		n/a		
Notes (e.g. Islands, Obstructions)		lots of arundo		

\*L/C/R = Left/Center/Right. Face downstream to determine left and right banks.



## Riverwalk Santa Ana River Sucker Habitat Evaluation

Transect Name: SAS 100      Date 10/26/2023  
 Target UTM:      447963      3756361  
 Observers (writer/other) Ian A, Haley G, Rachel G (sawpa)

OBSERVATIONS		CHANNEL #1	CHANNEL #2	CHANNEL #3
Actual GPS coordinates in UTM (@ Left Bank*)		33.9464247 -117.5625220		
Channel position (L/C/R*)		not sure		
Width of Channel (m)		33m		
Max Depth (cm) & Location in Channel (L/C/R*)		50cm L		
Depth @ Left Edge (cm) (~4" from bank edge)		16 cm		
Depth @ Right Edge (cm) (~4" from bank edge)		23 cm		
% Veg- Left Bank*		50%		
% Veg- Right Bank*		100%		
% Canopy Over Transect Band		107%		
Should total 100%	Substrate % mud/silt	95% <del>100</del>		
	Substrate % sand	0%		
	Substrate % gravel	5%		
	Substrate % cobble	0%		
	Substrate % boulder	0%		
Photo Upstream (time & #)				
Photo Downstream (time & #)				
Photo Left Bank* (time & #)				
Photo Right Bank* (time & #)				
Photo other (describe)				
Notes (e.g. Islands, Obstructions)		lots of Arundo		

\*L/C/R = Left/Center/Right. Face downstream to determine left and right banks.



## Riverwalk Santa Ana River Sucker Habitat Evaluation

Transect Name: SAS 101

Date 10/26/2023

Target UTM: 447680

3756377

Observers (writer/other) Ian A, Rachel G, Haley G (sawpa)

OBSERVATIONS		CHANNEL #1	CHANNEL #2	CHANNEL #3
Actual GPS coordinates in UTM (@ Left Bank*)		33.9468049 -117.5664967		
Channel position (L/C/R*)		2'		
Width of Channel (m)		26m		
Max Depth (cm) & Location in Channel (L/C/R*)		<del>20</del> 53cm L		
Depth @ Left Edge (cm) (~4" from bank edge)		42cm		
Depth @ Right Edge (cm) (~4" from bank edge)		18cm		
% Veg- Left Bank*		50%		
% Veg- Right Bank*				
% Canopy Over Transect Band		5%		
Should total 100%	Substrate % mud/silt	5%		
	Substrate % sand	90%		
	Substrate % gravel	5%		
	Substrate % cobble	0%		
	Substrate % boulder	0%		
Photo Upstream (time & #)		✓		
Photo Downstream (time & #)		✓		
Photo Left Bank* (time & #)		✓		
Photo Right Bank* (time & #)		✓		
Photo other (describe)		n/a		
Notes (e.g. Islands, Obstructions)		Less Arundo		

\*L/C/R = Left/Center/Right. Face downstream to determine left and right banks.



## Riverwalk Santa Ana River Sucker Habitat Evaluation

Transect Name: SAS 102      Date 10/26/2023  
 Target UTM:      447620      3756088  
 Observers (writer/other) Ian A, Rachel G, Haley G (supv)

OBSERVATIONS		CHANNEL #1	CHANNEL #2	CHANNEL #3
Actual GPS coordinates in UTM (@ Left Bank*)		33.94541535 -117.5669450		
Channel position (L/C/R*)		not sure		
Width of Channel (m)		27m		
Max Depth (cm) & Location in Channel (L/C/R*)		38 L		
Depth @ Left Edge (cm) (~4" from bank edge)		31cm		
Depth @ Right Edge (cm) (~4" from bank edge)		26cm		
% Veg- Left Bank*		100%		
% Veg- Right Bank*		100%		
% Canopy Over Transect Band		10%		
Should total 100%	Substrate % mud/silt	5%		
	Substrate % sand <i>trace</i>	95%		
	Substrate % gravel <i>gravel</i>	0		
	Substrate % cobble	0		
	Substrate % boulder	0		
Photo Upstream (time & #)		✓		
Photo Downstream (time & #)		✓		
Photo Left Bank* (time & #)		✓		
Photo Right Bank* (time & #)		✓		
Photo other (describe)		n/a		
Notes (e.g. Islands, Obstructions)		Around lots right bank		

\*L/C/R = Left/Center/Right. Face downstream to determine left and right banks.





## Riverwalk Santa Ana River Sucker Habitat Evaluation

Transect Name: SAS 103

Date 10/26/2023

Target UTM: 447481

3755829

Observers (writer/other) Ian A, Rachel G, Haley G (Sawpa)

OBSERVATIONS		CHANNEL #1	CHANNEL #2	CHANNEL #3
Actual GPS coordinates in UTM (@ Left Bank*)		33.9417901 -117.5682998		
Channel position (L/C/R*)		L		
Width of Channel (m)		29m		
Max Depth (cm) & Location in Channel (L/C/R*)		52cm C		
Depth @ Left Edge (cm) (~4" from bank edge)		17.5 cm		
Depth @ Right Edge (cm) (~4" from bank edge)		26 cm		
% Veg- Left Bank*		100%		
% Veg- Right Bank*		90%		
% Canopy Over Transect Band		5%		
Should total 100%	Substrate % mud/silt	2%		
	Substrate % sand	93%		
	Substrate % gravel	5% from		
	Substrate % cobble	0		
	Substrate % boulder	0		
Photo Upstream (time & #)		✓		
Photo Downstream (time & #)		✓		
Photo Left Bank* (time & #)		✓		
Photo Right Bank* (time & #)		✓		
Photo other (describe)		n/a		
Notes (e.g. Islands, Obstructions)		n/a		

\*L/C/R = Left/Center/Right. Face downstream to determine left and right banks.



## Riverwalk Santa Ana River Sucker Habitat Evaluation

Transect Name: SAS 104      Date 10/26/2023  
 Target UTM:            447240      3755663  
 Observers (writer/other) Ian A, Haley G, Rachel G (sawpa)

OBSERVATIONS		CHANNEL #1	CHANNEL #2	CHANNEL #3
Actual GPS coordinates in UTM (@ Left Bank*)		33.9402069 -117.5710132		
Channel position (L/C/R*)		C		
Width of Channel (m)		37m		
Max Depth (cm) & Location in Channel (L/C/R*)		42cm L		
Depth @ Left Edge (cm) (~4" from bank edge)		19cm		
Depth @ Right Edge (cm) (~4" from bank edge)		42cm L		
% Veg- Left Bank*		5%		
% Veg- Right Bank*		30%		
% Canopy Over Transect Band		10%		
Should total 100%	Substrate % mud/silt	5%		
	Substrate % sand	90%		
	Substrate % gravel	5%		
	Substrate % cobble	0		
	Substrate % boulder	0		
Photo Upstream (time & #)		✓		
Photo Downstream (time & #)		✓		
Photo Left Bank* (time & #)		✓		
Photo Right Bank* (time & #)		✓		
Photo other (describe)		na		
Notes (e.g. Islands, Obstructions)		n/a		

\*L/C/R = Left/Center/Right. Face downstream to determine left and right banks.



## Riverwalk Santa Ana River Sucker Habitat Evaluation

Transect Name: SAS 105

Date 10/26/2023

Target UTM: 446983

3755713

Observers (writer/other) Ian A

*no data, construction in area*

		OBSERVATIONS	CHANNEL #1	CHANNEL #2	CHANNEL #3
		Actual GPS coordinates in UTM (@ Left Bank*)			
		Channel position (L/C/R*)			
		Width of Channel (m)			
		Max Depth (cm) & Location in Channel (L/C/R*)			
		Depth @ Left Edge (cm) (~4" from bank edge)			
		Depth @ Right Edge (cm) (~4" from bank edge)			
		% Veg- Left Bank*			
		% Veg- Right Bank*			
		% Canopy Over Transect Band			
Should total 100%		Substrate % mud/silt			
		Substrate % sand			
		Substrate % gravel			
		Substrate % cobble			
		Substrate % boulder			
		Photo Upstream (time & #)			
		Photo Downstream (time & #)			
		Photo Left Bank* (time & #)			
		Photo Right Bank* (time & #)			
		Photo other (describe)			
		Notes (e.g. Islands, Obstructions)			

\*L/C/R = Left/Center/Right. Face downstream to determine left and right banks.



# Riverwalk

## Santa Ana River Sucker Habitat Evaluation

Transect Name: SAS 106

Date 10/26/2023

Target UTM: 446735

3755827

Observers (writer/other) Ian A

no data, construction in area

OBSERVATIONS		CHANNEL #1	CHANNEL #2	CHANNEL #3
Actual GPS coordinates in UTM (@ Left Bank*)				
Channel position (L/C/R*)				
Width of Channel (m)				
Max Depth (cm) & Location in Channel (L/C/R*)				
Depth @ Left Edge (cm) (~4" from bank edge)				
Depth @ Right Edge (cm) (~4" from bank edge)				
% Veg- Left Bank*				
% Veg- Right Bank*				
% Canopy Over Transect Band				
Should total 100%	Substrate % mud/silt			
	Substrate % sand			
	Substrate % gravel			
	Substrate % cobble			
	Substrate % boulder			
Photo Upstream (time & #)				
Photo Downstream (time & #)				
Photo Left Bank* (time & #)				
Photo Right Bank* (time & #)				
Photo other (describe)				
Notes (e.g. Islands, Obstructions)				

\*L/C/R = Left/Center/Right. Face downstream to determine left and right banks.





# Riverwalk

## Santa Ana River Sucker Habitat Evaluation

Transect Name: SAS 107      Date 10/26/2023  
 Target UTM:            446461      3755771  
 Observers (writer/other) Ian A

*no data, construction in area*

		OBSERVATIONS	CHANNEL #1	CHANNEL #2	CHANNEL #3
		Actual GPS coordinates in UTM (@ Left Bank*)			
		Channel position (L/C/R*)			
		Width of Channel (m)			
		Max Depth (cm) & Location in Channel (L/C/R*)			
		Depth @ Left Edge (cm) (~4" from bank edge)			
		Depth @ Right Edge (cm) (~4" from bank edge)			
		% Veg- Left Bank*			
		% Veg- Right Bank*			
		% Canopy Over Transect Band			
Should total 100%		Substrate % mud/silt			
		Substrate % sand			
		Substrate % gravel			
		Substrate % cobble			
		Substrate % boulder			
		Photo Upstream (time & #)			
		Photo Downstream (time & #)			
		Photo Left Bank* (time & #)			
		Photo Right Bank* (time & #)			
		Photo other (describe)			
		Notes (e.g. Islands, Obstructions)			

\*L/C/R = Left/Center/Right. Face downstream to determine left and right banks.

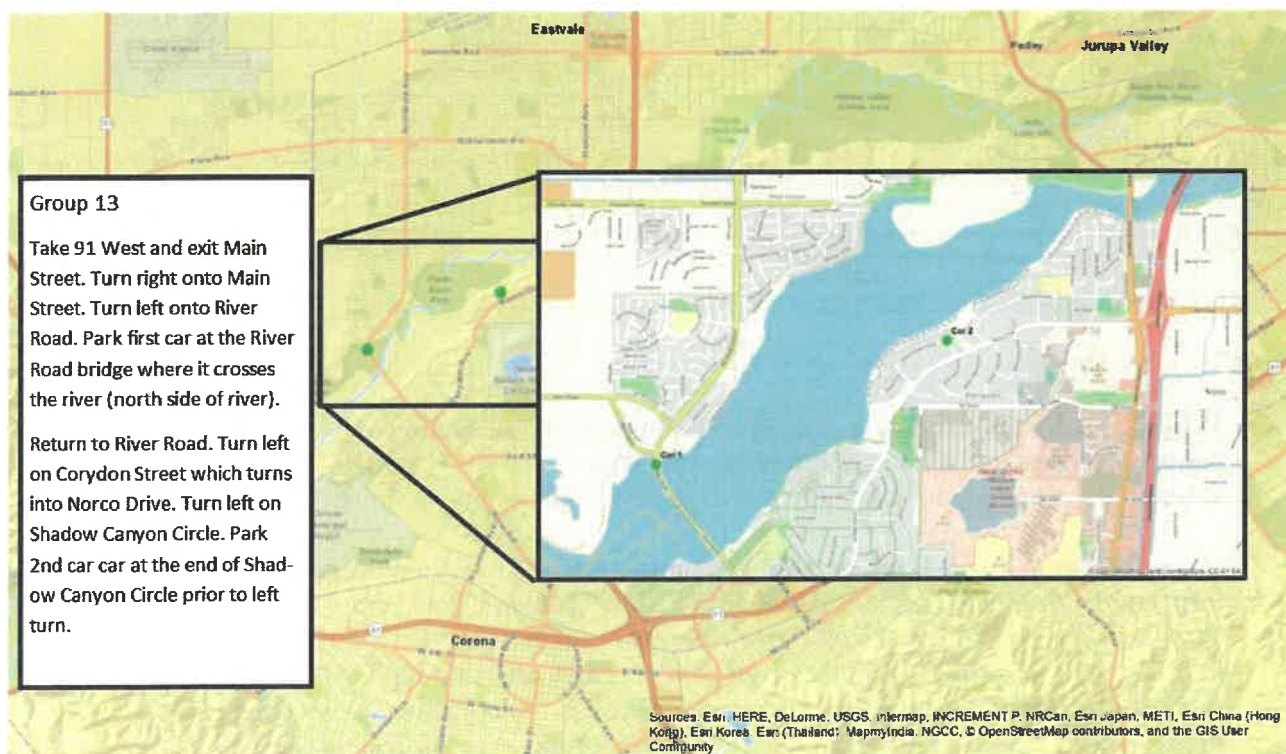


## Group 13: Points 108-116

### First Car Google Map Point:

<https://goo.gl/maps/T8J33hvQQ3m6PkWg7>

**Driving Directions (From SAWPA):** Take 91 West and exit Main Street. Turn right onto Main Street. Turn left onto River Road. **Car #1** should park at the River Road bridge where it crosses the river (north side of river). After parking first car, return to River Road. Turn left on Corydon Street which turns into Norco Drive. Turn left on Shadow Canyon Circle. **Car #2** should park at the end of Shadow Canyon Circle prior to left turn. Parking the cars as directed, will ensure you are walking downstream.

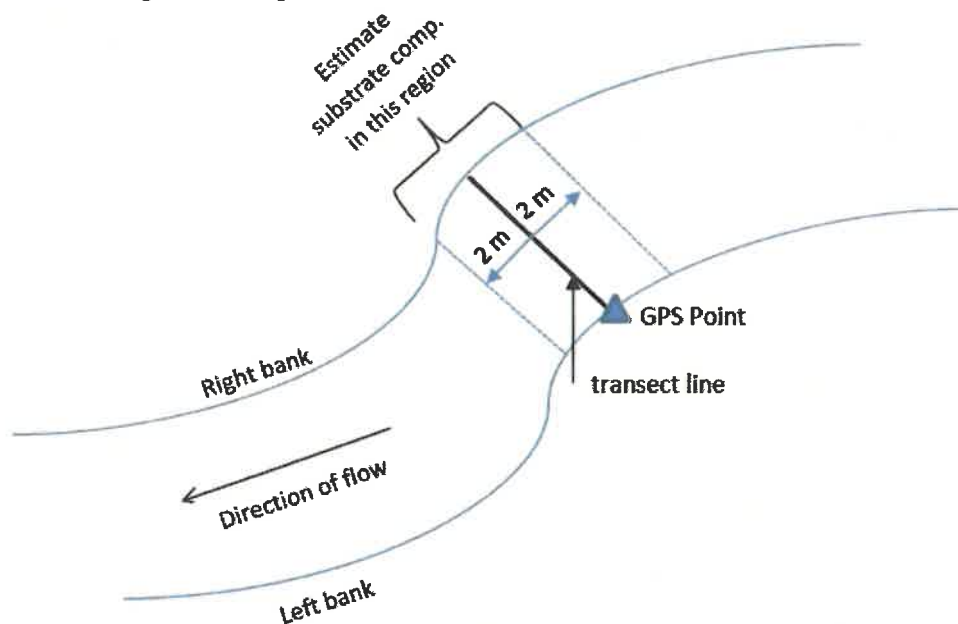


Technical Questions: Call Cameron Macbeth at (949) 533-5749  
Coordination/Logistical Issues: Call Zyanya Ramirez at (951) 354-4244

**Data Collection Instructions:** Locate GPS points shown on the attached Riverwalk Points Map. If the GPS Point is not in the wetted river, walk to the closest location that is in the wetted river and record on your data sheet the actual GPS location on the left bank (note: the left bank is on your left when you face downstream). If there is more than one wetted river channel, record each channel's left bank GPS location.

Here are some helpful tips:

- Please record all measurements using the metric system;
- Set up your transect lines perpendicular to the river;
- Estimate substrate components within a 2-m band on either side of the transect; make sure all substrate components add up to 100%;
- Don't forget to take photos



**When You Are Done:** Within a week of the survey, please return equipment and any paper datasheets to SAWPA at 11615 Sterling Ave Riverside, CA 92503. Photos will be submitted via a dropbox link that you will receive from Zyanya Ramirez (SAWPA staff).

**If You Want to Drive Back to SAWPA Immediately After Your Surveying**

**(Optional):** From the Car #2 location, on Shadow Canyon Circle, return to Norco Drive. Turn left onto Norco Drive. Norco Drive becomes Sixth Street. On Sixth Street turn right to merge onto 15 South. Continue driving on 15 South and take exit 96B to merge onto 91 East toward Riverside. Take exit 54 onto Pierce St. After exiting, make a right onto Pierce Street. After taking a right, turn left onto Sterling Ave. Stay on Sterling Ave. all the way to the end of the street and arrive at SAWPA.

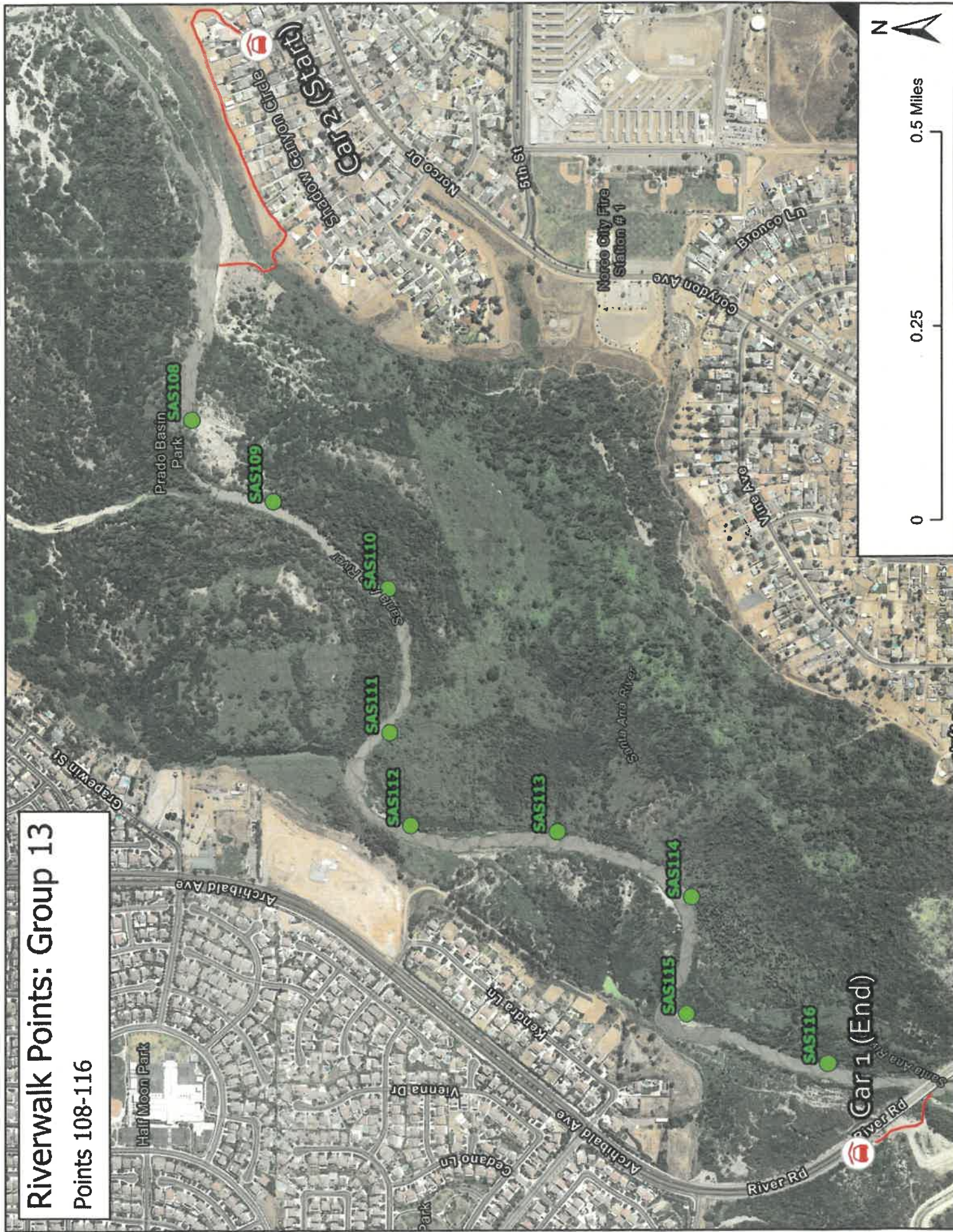
Technical Questions: Call Cameron Macbeth at (949) 533-5749

Coordination/Logistical Issues: Call Zyanya Ramirez at (951) 354-4244



# Riverwalk Points: Group 13

Points 108-116







## Riverwalk Santa Ana River Sucker Habitat Evaluation

Transect Name: SAS 108                      Date \_\_\_\_\_  
 Target UTM:            446169                      3755831  
 Observers (writer/other) \_\_\_\_\_

		OBSERVATIONS	CHANNEL #1	CHANNEL #2	CHANNEL #3
		Actual GPS coordinates in UTM (@ Left Bank*)	33,91372, -117.5826		
		Channel position (L/C/R*)	R		
		Width of Channel (m)	32 m		
		Max Depth (cm) & Location in Channel (L/C/R*)	<del>L=4 in</del> R=10 in All=14 in		
		Depth @ Left Edge (cm) (~4" from bank edge)	4 in		
		Depth @ Right Edge (cm) (~4" from bank edge)	10 in		
		% Veg- Left Bank*	1%		
		% Veg- Right Bank*	100%		
		% Canopy Over Transect Band	L=0% R=80%		
Should total 100%		Substrate % mud/silt	0		
		Substrate % sand	95		
		Substrate % gravel	5		
		Substrate % cobble	0		
		Substrate % boulder	0		
		Photo Upstream (time & #)			
		Photo Downstream (time & #)			
		Photo Left Bank* (time & #)			
		Photo Right Bank* (time & #)			
		Photo other (describe)			
		Notes (e.g. Islands, Obstructions)			

\*L/C/R = Left/Center/Right. Face downstream to determine left and right banks.





## Riverwalk Santa Ana River Sucker Habitat Evaluation

Transect Name: SAS 109                      Date \_\_\_\_\_  
 Target UTM:                      445940                      3755674  
 Observers (writer/other) \_\_\_\_\_

		OBSERVATIONS	CHANNEL #1	CHANNEL #2	CHANNEL #3
		Actual GPS coordinates in UTM (@ Left Bank*)	33.9356, -117.5846		
		Channel position (L/C/R*)	C		
		Width of Channel (m)	23.6m		
		Max Depth (cm) & Location in Channel (L/C/R*)	L = C = 16 R =		
		Depth @ Left Edge (cm) (~4" from bank edge)	7 in		
		Depth @ Right Edge (cm) (~4" from bank edge)	5 in		
		% Veg- Left Bank*	100		
		% Veg- Right Bank*	100		
		% Canopy Over Transect Band	L=85, R=100		
Should total 100%		Substrate % mud/silt	0		
		Substrate % sand	50/100		
		Substrate % gravel	0		
		Substrate % cobble	0		
		Substrate % boulder	0		
		Photo Upstream (time & #)			
		Photo Downstream (time & #)			
		Photo Left Bank* (time & #)			
		Photo Right Bank* (time & #)			
		Photo other (describe)			
		Notes (e.g. Islands, Obstructions)			

\*L/C/R = Left/Center/Right. Face downstream to determine left and right banks.



## Riverwalk Santa Ana River Sucker Habitat Evaluation

Transect Name: SAS 110                      Date \_\_\_\_\_  
 Target UTM:                      446000                      3755385  
 Observers (writer/other) \_\_\_\_\_

		OBSERVATIONS	CHANNEL #1	CHANNEL #2	CHANNEL #3
		Actual GPS coordinates in UTM (@ Left Bank*)			
		Channel position (L/C/R*)	C		
		Width of Channel (m)	24.8		
		Max Depth (cm) & Location in Channel (L/C/R*)	12 in		
		Depth @ Left Edge (cm) (~4" from bank edge)	5 in		
		Depth @ Right Edge (cm) (~4" from bank edge)	5 in		
		% Veg- Left Bank*	100		
		% Veg- Right Bank*	100		
		% Canopy Over Transect Band	L=60 R=40		
Should total 100%		Substrate % mud/silt	0		
		Substrate % sand	100%		
		Substrate % gravel	0		
		Substrate % cobble	0		
		Substrate % boulder	0		
		Photo Upstream (time & #)			
		Photo Downstream (time & #)			
		Photo Left Bank* (time & #)			
		Photo Right Bank* (time & #)			
		Photo other (describe)			
		Notes (e.g. Islands, Obstructions)			

\*L/C/R = Left/Center/Right. Face downstream to determine left and right banks.



## Riverwalk Santa Ana River Sucker Habitat Evaluation

**Transect Name:** SAS 111                      **Date** \_\_\_\_\_  
**Target UTM:**                      445935                      3755100  
**Observers (writer/other)** \_\_\_\_\_

		OBSERVATIONS	CHANNEL #1	CHANNEL #2	CHANNEL #3
		Actual GPS coordinates in UTM (@ Left Bank*)	33,933,-117,589		
		Channel position (L/C/R*)	L		
		Width of Channel (m)	24.7		
		Max Depth (cm) & Location in Channel (L/C/R*)	14" in		
		Depth @ Left Edge (cm) (~4" from bank edge)	8" in		
		Depth @ Right Edge (cm) (~4" from bank edge)	6" in		
		% Veg- Left Bank*	100%		
		% Veg- Right Bank*	50%		
		% Canopy Over Transect Band	L = 75% R = 5%		
Should total 100%		Substrate % mud/silt	0		
		Substrate % sand	100%		
		Substrate % gravel	0		
		Substrate % cobble	0		
		Substrate % boulder	0		
		Photo Upstream (time & #)			
		Photo Downstream (time & #)			
		Photo Left Bank* (time & #)			
		Photo Right Bank* (time & #)			
		Photo other (describe)			
		Notes (e.g. Islands, Obstructions)			

\*L/C/R = Left/Center/Right. Face downstream to determine left and right banks.



## Riverwalk Santa Ana River Sucker Habitat Evaluation

Transect Name: SAS 112                      Date \_\_\_\_\_  
 Target UTM:                      445723                      3754896  
 Observers (writer/other) \_\_\_\_\_

OBSERVATIONS		CHANNEL #1	CHANNEL #2	CHANNEL #3
Actual GPS coordinates in UTM (@ Left Bank*)		33,932, -117,592		
Channel position (L/C/R*)				
Width of Channel (m)		25.2		
Max Depth (cm) & Location in Channel (L/C/R*)		18.1m		
Depth @ Left Edge (cm) (~4" from bank edge)		5"m		
Depth @ Right Edge (cm) (~4" from bank edge)		9"m		
% Veg- Left Bank*		100		
% Veg- Right Bank*		80		
% Canopy Over Transect Band		L=50 R=100		
Should total 100%	Substrate % mud/silt	0		
	Substrate % sand	100%		
	Substrate % gravel	0		
	Substrate % cobble	0		
	Substrate % boulder	0		
Photo Upstream (time & #)				
Photo Downstream (time & #)				
Photo Left Bank* (time & #)				
Photo Right Bank* (time & #)				
Photo other (describe)				
Notes (e.g. Islands, Obstructions)				

\*L/C/R = Left/Center/Right. Face downstream to determine left and right banks.





## Riverwalk Santa Ana River Sucker Habitat Evaluation

Transect Name: SAS 113                      Date \_\_\_\_\_  
 Target UTM:            445456                      3754961  
 Observers (writer/other) \_\_\_\_\_

OBSERVATIONS		CHANNEL #1	CHANNEL #2	CHANNEL #3
Actual GPS coordinates in UTM (@ Left Bank*)		33.931, 117.52		
Channel position (L/C/R*)		C		
Width of Channel (m)		37.9m		
Max Depth (cm) & Location in Channel (L/C/R*)		12 in		
Depth @ Left Edge (cm) (~4" from bank edge)		6 in		
Depth @ Right Edge (cm) (~4" from bank edge)		8 in		
% Veg- Left Bank*		<del>100</del> 90%		
% Veg- Right Bank*		40%		
% Canopy Over Transect Band		L=100 R=95%		
Should total 100%	Substrate % mud/silt	0		
	Substrate % sand	100		
	Substrate % gravel	0		
	Substrate % cobble	0		
	Substrate % boulder	0		
Photo Upstream (time & #)				
Photo Downstream (time & #)				
Photo Left Bank* (time & #)				
Photo Right Bank* (time & #)				
Photo other (describe)				
Notes (e.g. Islands, Obstructions)				

\*L/C/R = Left/Center/Right. Face downstream to determine left and right banks.



## Riverwalk Santa Ana River Sucker Habitat Evaluation

Transect Name: SAS 114                      Date \_\_\_\_\_  
 Target UTM:                      445308                      3754771  
 Observers (writer/other) \_\_\_\_\_

		OBSERVATIONS	CHANNEL #1	CHANNEL #2	CHANNEL #3
		Actual GPS coordinates in UTM (@ Left Bank*)	33.927, -117.593		
		Channel position (L/C/R*)	L		
		Width of Channel (m)	27.9		
		Max Depth (cm) & Location in Channel (L/C/R*)	17 in		
		Depth @ Left Edge (cm) (~4" from bank edge)	6 in		
		Depth @ Right Edge (cm) (~4" from bank edge)	5.5 in		
		% Veg- Left Bank*	100		
		% Veg- Right Bank*	100		
		% Canopy Over Transect Band	L = 0 R = 0		
Should total 100%		Substrate % mud/silt	0		
		Substrate % sand	100		
		Substrate % gravel	0		
		Substrate % cobble	0		
		Substrate % boulder	0		
		Photo Upstream (time & #)			
		Photo Downstream (time & #)			
		Photo Left Bank* (time & #)			
		Photo Right Bank* (time & #)			
		Photo other (describe)			
		Notes (e.g. Islands, Obstructions)			

\*L/C/R = Left/Center/Right. Face downstream to determine left and right banks.



## Riverwalk Santa Ana River Sucker Habitat Evaluation

Transect Name: SAS 115                      Date \_\_\_\_\_  
 Target UTM:                      445271                      3754475  
 Observers (writer/other) \_\_\_\_\_

OBSERVATIONS		CHANNEL #1	CHANNEL #2	CHANNEL #3
Actual GPS coordinates in UTM (@ Left Bank*)		33.928, -117.596		
Channel position (L/C/R*)		R		
Width of Channel (m)		29.8		
Max Depth (cm) & Location in Channel (L/C/R*)		17 in		
Depth @ Left Edge (cm) (~4" from bank edge)		10 in		
Depth @ Right Edge (cm) (~4" from bank edge)		6 in		
% Veg- Left Bank*		0		
% Veg- Right Bank*		100		
% Canopy Over Transect Band		L=0 R=95		
Should total 100%	Substrate % mud/silt	0		
	Substrate % sand	100		
	Substrate % gravel	0		
	Substrate % cobble	0		
	Substrate % boulder	0		
Photo Upstream (time & #)				
Photo Downstream (time & #)				
Photo Left Bank* (time & #)				
Photo Right Bank* (time & #)				
Photo other (describe)				
Notes (e.g. Islands, Obstructions)				

\*L/C/R = Left/Center/Right. Face downstream to determine left and right banks.



## Riverwalk Santa Ana River Sucker Habitat Evaluation

Transect Name: SAS 116                      Date \_\_\_\_\_  
 Target UTM:                      445069                      3754300  
 Observers (writer/other) \_\_\_\_\_

OBSERVATIONS		CHANNEL #1	CHANNEL #2	CHANNEL #3
Actual GPS coordinates in UTM (@ Left Bank*)		33,9252, -117.547		
Channel position (L/C/R*)		C		
Width of Channel (m)		27.		
Max Depth (cm) & Location in Channel (L/C/R*)		17 in		
Depth @ Left Edge (cm) (~4" from bank edge)		7 in		
Depth @ Right Edge (cm) (~4" from bank edge)		11 in		
% Veg- Left Bank*		10%		
% Veg- Right Bank*		60%		
% Canopy Over Transect Band		L = 1% R = 80%		
Should total 100%	Substrate % mud/silt	0		
	Substrate % sand	100%		
	Substrate % gravel	0		
	Substrate % cobble	0		
	Substrate % boulder	0		
Photo Upstream (time & #)				
Photo Downstream (time & #)				
Photo Left Bank* (time & #)				
Photo Right Bank* (time & #)				
Photo other (describe)				
Notes (e.g. Islands, Obstructions)				

\*L/C/R = Left/Center/Right. Face downstream to determine left and right banks.



