

Data collected in northern and eastern Sepulveda Dam Basin North Reserve, Sunday, 3 October 2021

Students collecting data:

Celeste	Cacho	Luis	Mendiola Luna	Hannah	Robidoux
Priya	Dhupar	Delano	Murphy	Pamela	Solano
Adam	Duggan	Yesenia	Nuno	Aimee	Tran
Emiliee	Estrada	Valerie	Radford	Hailey	Wick
Pamela	Gonzalez				

Dr. Rodrigue's GEOG/ES&P 330 California Ecosystems class, CSULB

Quadrat:	Prairie 1	Lat. SE corner	Lon. SE corner	Elev. SE corner
GPS unit A:	Garmin Y1110	34.1772	-118.4791	211
GPS unit B:	Android phone (Ms. Gonzalez')	34.1769	-118.4749	180.5
GPS unit C:	iPhone (Ms. Cacho's)	34.1770	-118.4749	211.41

Name	% cover	NOTE: Always record all 5 or 6 decimal places!	
Species 1	<i>Helianthus annuus</i> (annual sunflower)	2	
Species 2	<i>Amsinckia menziesii</i> (Menzies' fiddleneck)	10	
Species 3	<i>Centaurea melitensis</i> (tocalote)	1	Mean lat. 34.177033
Species 4	<i>Bromus diandrus</i> (rippgut brome)	35	St. dev. lat. 0.000153
Species 5	Litter (leaves)	1	Coëf. var. lat. % 0.000447
Species 6			Mean lon. -118.476300
Species 7			St. dev. lon. 0.002425
Species 8			Coëf. var. lon. % -0.002047
Species 9			Mean elev. 200.970
Species 10			St. dev. elev. 17.729
Species 11			Coëf. var. elev. % 8.821578
Species 12			
Bare ground	Dirt	51	

Sum of % cover

Verify that sum = 100%, adjust if necessary

Comments, including unknown species code # and bag you put sample in:

Site not burned

Roughly what percentage of the soil was

charred blackish	<input type="text"/>
ashy whitish	<input type="text"/>
normal beige/tan	100

Team names:

Pamela Gonzalez

who else?

Celeste Cacho

Quadrat:	Prairie 2	Lat. SE corner	Lon. SE corner	Elev. SE corner
GPS unit A:	Garmin Y1110	34.17708	-118.47465	210
GPS unit B:	Android phone (Mr. Murphy's')	34.177040	-118.474660	177.6
GPS unit C:	iPhone (Ms. Duggin's)	34.177083	-118.474661	212.82

Name	% cover
Species 1	<i>Baccharis pilularis</i> (coyotebrush) 10
Species 2	<i>Hirschfeldia incana</i> (short-pod mustard) 5
Species 3	<i>Centaurea melitensis</i> (tocalote) 40
Species 4	<i>Bromus madritensis</i> (foxtail brome) 2
Species 5	<i>Bromus diandrus</i> (ripgut brome) 1
Species 6	Charred litter (<i>Quercus lobata</i> , valley oak leaves) 20
Species 7	
Species 8	
Species 9	
Species 10	
Species 11	
Species 12	
Bare ground	Dirt 22

Mean lat.	34.177068
St. dev. lat.	0.000024
Coëf. var. lat. %	0.000070
Mean lon.	-118.474657
St. dev. lon.	0.000006
Coëf. var. lon. %	-0.000005
Mean elev.	200.140
St. dev. elev.	19.571
Coëf. var. elev. %	9.778690

Sum of % cover

Verify that sum = 100%, adjust if necessary

Comments, including unknown species code # and bag you put sample in:

Burn damage from killed tree nearby: burned litter

Roughly what percentage of the soil was

charred blackish	<input type="text"/>
ashy whitish	<input type="text"/>
normal beige/tan	<input type="text"/>

Team names:

Delano Murphy

who else?

Adam Duggan

Transect ID	North Bridge Transect			Comments or oddities	something about lat. lon. on back and front?	
GPS Unit	???		Whose phones? Garmin?			
Meters	Vegetation*	Species*	Burn condition	Y_LatN	X_LonW	Elev_m
0	R	<i>Baccharis salicifolia</i> (mulefat)	OK	34.177718	-118.474023	212.6
1	R	<i>Baccharis salicifolia</i> (mulefat)	OK	5 or 6 decimal places of accuracy on latitude and longitude readings Team members ???		
2	R	<i>Baccharis salicifolia</i> (mulefat)	OK			
3	R	<i>Baccharis salicifolia</i> (mulefat)	B			
4	R	<i>Baccharis salicifolia</i> (mulefat)	B			
5	R	<i>Salix lasiolepis</i> (arroyo willow)	OK			
6	R	<i>Salix lasiolepis</i> (arroyo willow)	OK			
7	R	<i>Salix lasiolepis</i> (arroyo willow)	OK			
8	R	<i>Salix lasiolepis</i> (arroyo willow)	OK			
9	R	<i>Salix lasiolepis</i> (arroyo willow)	OK			
10	R	<i>Salix lasiolepis</i> (arroyo willow)	OK			
11	R	<i>Salix laevigata</i> (red willow)	B			
12	R	<i>Salix laevigata</i> (red willow)	OK			
13	R	<i>Salix laevigata</i> (red willow)	OK			
14	R	<i>Salix laevigata</i> (red willow)	OK			
15	R	<i>Salix laevigata</i> (red willow)	OK			
16	R	<i>Salix laevigata</i> (red willow)	OK			
17	R	<i>Salix laevigata</i> (red willow)	OK			
18	R	<i>Salix laevigata</i> (red willow)	B			
19	R	<i>Salix laevigata</i> (red willow)	OK			
20	R	<i>Salix laevigata</i> (red willow)	OK	34.177712	-118.474220	213.74

Vegetation: G = grass C = CSS
 R = riparian W = oak woodland

Burn condition: OK = alive, unburnt C = dead, carbonized
 B = alive, burn dmg D = dead, not burnt

Transect ID	East Haskell Trail Transect (west side)
--------------------	---

Comments, oddities

Dr. R messed up: 6 m interval instead of 1 m
Form revised to show that

GPS Unit	???
-----------------	-----

Meters	Vegtn	Species*	Burn condition	Y_LatN	X_LonW	Elev_m
0	R	<i>Erigeron canadensis</i> (horseweed)	OK	34.177424	-118.473866	216
6	R	<i>Populus fremontii</i> (Western cottonwood)	OK	5 or 6 decimal places of accuracy on latitude and longitude readings		
12	R	<i>Populus fremontii</i> (Western cottonwood)	OK			
18	R	<i>Rosa californica</i> (California wild rose)	D			
24	R	<i>Populus fremontii</i> (Western cottonwood)	OK			
30	R	<i>Baccharis pilularis</i> (coyotebrush)	C			
30				34.17721	-118.47377	212.05

Vegetation:

- G = grass
- C = CSS
- R = riparian
- W = oak woodland

Team members



Burn condition:

- OK = alive, not burnt
- B = alive, burn damage
- C = dead, carbonized, ash
- D = dead or dried out, not because of fire

GPS unit:

whose phones

Transect ID	Ike's Point in the shrubbery			Comments or oddities		
GPS Unit						
Meters	Vegetation*	Species*	Burn condition	Y_LatN	X_LonW	Elev_m
0		<i>Salix exigua</i> (narrowleaf willow)	OK	34.176769	-118.4733	210.3
1		<i>Salix exigua</i> (narrowleaf willow)	OK	5 or 6 decimal places of accuracy on latitude and longitude readings Vegetation: G = grass C = CSS W = oak wdInd R = riparian M = marsh, lake edge Burn condition: OK = alive, unburnt C = dead, carbonized B = alive, burn dmg D = dead, not burnt		
2		<i>Salix exigua</i> (narrowleaf willow)	OK			
3		<i>Salix exigua</i> (narrowleaf willow)	OK			
4		<i>Salix exigua</i> (narrowleaf willow)	OK			
5		<i>Baccharis pilularis</i> (coyotebrush)	OK			
6		<i>Baccharis pilularis</i> (coyotebrush)	OK			
7		<i>Baccharis pilularis</i> (coyotebrush)	OK			
8		<i>Baccharis pilularis</i> (coyotebrush)	OK			
9		<i>Baccharis pilularis</i> (coyotebrush)	B			
10		<i>Baccharis pilularis</i> (coyotebrush)	B			

* Vegetation: what it is mostly made up of: CSS, grass, mustard, fennel, or exotic trees (e.g., eucalyptus, pepper trees, acacias, pines)

* Species: identify shrubs, subshrubs, succulents; if you can't, try key; if you still can't, cut off a small representative sample to key out later. With dried out grasslands, just write grasses. 0 m is at border with grassland or trail; 10 m is in shrubs.

On Main menu, scroll to Setup, then to Units, then make sure Position Format is hddd.ddddd°, Map Datum is WGS 84, and everything else is meters/metric

Mark waypoints by going to Main Menu, scrolling to Mark, depressing rocker button, write down Waypoint, latitude, longitude, and elevation, then hit OK. Transect ID is your name and number for this transect (keep it pretty short).

Team members

Seth Hall, Nik Martinez (and who "rode to the rescue" with the *Salix exigua* identification?)

Transect ID				Comments or oddities			
GPS Unit							
Meters	Vegetation*	Species*	Burn condition	Y_LatN	X_LonW	Elev_m	
0							
1				5 or 6 decimal places of accuracy on latitude and longitude readings Vegetation: G = grass C = CSS W = oak wdld R = riparian M = marsh, lake edge Burn condition: OK = alive, unburnt C = dead, carbonized B = alive, burn dmg D = dead, not burnt			
2							
3							
4							
5							
6							
7							
8							
9							
10							

* Vegetation: what it is mostly made up of: CSS, grass, mustard, fennel, or exotic trees (e.g., eucalyptus, pepper trees, acacias, pines)

* Species: identify shrubs, subshrubs, succulents; if you can't, try key; if you still can't, cut off a small representative sample to key out later. With dried out grasslands, just write grasses. 0 m is at border with grassland or trail; 10 m is in shrubs.

On Main menu, scroll to Setup, then to Units, then make sure Position Format is hddd.ddddd°, Map Datum is WGS 84, and everything else is meters/metric

Mark waypoints by going to Main Menu, scrolling to Mark, depressing rocker button, write down Waypoint, latitude, longitude, and elevation, then hit OK. Transect ID is your name and number for this transect (keep it pretty short).

Team members

Transect ID

Comments or oddities

GPS Unit

Whose phones? Garmin?

Meters	Vegetation*	Species*	Burn condition	Y_LatN	X_LonW	Elev_m
0						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

5 or 6 decimal places of accuracy on latitude and longitude readings

Team members

Vegetation: G = grass C = CSS
R = riparian W = oak woodland

Burn condition: OK = alive, unburnt C = dead, carbonized
B = alive, burn dmg D = dead, not burnt

Transect ID

Comments, oddities

GPS Unit

Meters	Vegtn	Species*	Burn condition	Y_LatN	X_LonW	Elev_m
0						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						

5 or 6 decimal places of accuracy on latitude and longitude readings

Vegetation:

- G = grass
- C = CSS
- R = riparian
- W = oak woodland

Team members

Burn condition:

- OK = alive, not burnt
- B = alive, burn damage

22				<p>C = dead, carbonized, ash D = dead or dried out, not because of fire</p> <p>GPS unit: whose phones Garmin eTrex</p>		
23						
24						
25						
26						
27						
28						
29						
30						

Quadrat:		Lat. SE corner	Lon. SE corner	Elev. SE corner
GPS unit A:				
GPS unit B:				
GPS unit C:				

Name	% cover
Species 1	
Species 2	
Species 3	
Species 4	
Species 5	
Species 6	
Species 7	
Species 8	
Species 9	
Species 10	
Species 11	
Species 12	
Bare ground	

Sum of % cover

Verify that sum = 100%, adjust if necessary

Comments, including unknown species code # and bag you put sample in:

Roughly what percentage of the soil was

charred blackish	<input style="width: 100px; height: 20px;" type="text"/>
ashy whitish	<input style="width: 100px; height: 20px;" type="text"/>
normal beige/tan	<input style="width: 100px; height: 20px;" type="text"/>

Team names: