



SSWP Hydropower, FERC Project No. 2426 Daily Data Tracker

Date: 6/4/18 Surveyors: S. Creer, L. Butler

Location (e.g. QL = Quail Lake)	USFS Land? (Y/N)	Feature Type		Occurrence Type		Species Code(s)	Comments
Hebre Pyram	Y	<input type="checkbox"/> Point	<input checked="" type="checkbox"/> Poly	<input checked="" type="checkbox"/> NNIP	<input type="checkbox"/> Rare plant	AR SEM	extended existing poly ✓
"	Y	<input type="checkbox"/> Point	<input checked="" type="checkbox"/> Poly	<input checked="" type="checkbox"/> NNIP	<input type="checkbox"/> Rare plant	SALTRA	extended existing poly ✓
"	Y	<input checked="" type="checkbox"/> Point	<input type="checkbox"/> Poly	<input type="checkbox"/> NNIP	<input checked="" type="checkbox"/> Rare plant	CAL PEI	3 plants found ✓
"	Y	<input checked="" type="checkbox"/> Point	<input type="checkbox"/> Poly	<input checked="" type="checkbox"/> NNIP	<input type="checkbox"/> Rare plant	SPA JUN	15 plants ✓
"	Y	<input type="checkbox"/> Point	<input checked="" type="checkbox"/> Poly	<input checked="" type="checkbox"/> NNIP	<input type="checkbox"/> Rare plant	CAR DRA	infested in canyon bottom (Lepidium draba) ✓
"	Y	<input checked="" type="checkbox"/> Point	<input type="checkbox"/> Poly	<input type="checkbox"/> NNIP	<input checked="" type="checkbox"/> Rare plant	CAL CLA	5 plants - gracilis ✓
		<input type="checkbox"/> Point	<input type="checkbox"/> Poly	<input type="checkbox"/> NNIP	<input type="checkbox"/> Rare plant		
		<input type="checkbox"/> Point	<input type="checkbox"/> Poly	<input type="checkbox"/> NNIP	<input type="checkbox"/> Rare plant		
		<input type="checkbox"/> Point	<input type="checkbox"/> Poly	<input type="checkbox"/> NNIP	<input type="checkbox"/> Rare plant		
		<input type="checkbox"/> Point	<input type="checkbox"/> Poly	<input type="checkbox"/> NNIP	<input type="checkbox"/> Rare plant		
		<input type="checkbox"/> Point	<input type="checkbox"/> Poly	<input type="checkbox"/> NNIP	<input type="checkbox"/> Rare plant		
		<input type="checkbox"/> Point	<input type="checkbox"/> Poly	<input type="checkbox"/> NNIP	<input type="checkbox"/> Rare plant		
		<input type="checkbox"/> Point	<input type="checkbox"/> Poly	<input type="checkbox"/> NNIP	<input type="checkbox"/> Rare plant		
		<input type="checkbox"/> Point	<input type="checkbox"/> Poly	<input type="checkbox"/> NNIP	<input type="checkbox"/> Rare plant		
		<input type="checkbox"/> Point	<input type="checkbox"/> Poly	<input type="checkbox"/> NNIP	<input type="checkbox"/> Rare plant		
		<input type="checkbox"/> Point	<input type="checkbox"/> Poly	<input type="checkbox"/> NNIP	<input type="checkbox"/> Rare plant		
		<input type="checkbox"/> Point	<input type="checkbox"/> Poly	<input type="checkbox"/> NNIP	<input type="checkbox"/> Rare plant		
		<input type="checkbox"/> Point	<input type="checkbox"/> Poly	<input type="checkbox"/> NNIP	<input type="checkbox"/> Rare plant		
		<input type="checkbox"/> Point	<input type="checkbox"/> Poly	<input type="checkbox"/> NNIP	<input type="checkbox"/> Rare plant		
		<input type="checkbox"/> Point	<input type="checkbox"/> Poly	<input type="checkbox"/> NNIP	<input type="checkbox"/> Rare plant		
		<input type="checkbox"/> Point	<input type="checkbox"/> Poly	<input type="checkbox"/> NNIP	<input type="checkbox"/> Rare plant		
		<input type="checkbox"/> Point	<input type="checkbox"/> Poly	<input type="checkbox"/> NNIP	<input type="checkbox"/> Rare plant		
		<input type="checkbox"/> Point	<input type="checkbox"/> Poly	<input type="checkbox"/> NNIP	<input type="checkbox"/> Rare plant		
		<input type="checkbox"/> Point	<input type="checkbox"/> Poly	<input type="checkbox"/> NNIP	<input type="checkbox"/> Rare plant		
		<input type="checkbox"/> Point	<input type="checkbox"/> Poly	<input type="checkbox"/> NNIP	<input type="checkbox"/> Rare plant		
Subtotal:							

*-Fill out USFS TES form

Pyramid Lake:

Liebre Gulch

Plant Species Observed

- Salvia apiana
- Bromus dracunculoides
- Hirschfeldia incana
- Lactuca scariola
- Peritoma arborea
- Eriogonum fasc
- Adenostoma fasc
- Arctostaphylos glauca
- Calystegia perssonii
- Malacothrix glabriuscula
- Eriodictyon crass
- Heliotropium curassavicum
- Populus fremontii
- ~~Carduus~~ Lepidium draba
- Rhus aromatica
- Stipa speciosa
- Elymus elymoides
- Astragalus friscopodus var phoxus
- Ehrenborgia chrysantha
- Eremothera boothii desertorum
- Calochortus clavatus gracilis
- Spartium junceum

Appendix C - TES Plant Element Occurrence Field Form – US Forest Service - 2015

Ⓢ = required field, Ⓢ* = conditionally required field

General Information

1) SITE ID: Ⓢ		2) DATE: Ⓢ		3) SITE NAME: <u>Pyramid Lake</u> <u>Lebre Guich</u>	
4) NRCS PLANT CODE: Ⓢ					
5) SCIENTIFIC NAME: Ⓢ <u>Calochortus clavatus var. gracilis</u>					
6) RECORD SOURCE: Ⓢ		7) SURVEY ID: Ⓢ*		8) Survey Name:	
9) EXAMINER(S)- LAST: Ⓢ <u>Creech</u>			FIRST: Ⓢ <u>Sheryl</u>	MIDDLE INITIAL:	
LAST: <u>Butler</u>			FIRST: <u>Laura</u>	MIDDLE INITIAL:	
10) OWNERSHIP: Ⓢ <u>ANF</u>		11) Loc. Uncert: Ⓢ		12) Uncert. Dist: Ⓢ*	
13) E.O. #		14) STATE: Ⓢ* <u>CA</u>		15) COUNTY: Ⓢ* <u>LA</u>	
16) REGION: Ⓢ*		17) FOREST: Ⓢ*		18) DISTRICT: Ⓢ*	
19) Area (Est):			20) Area UOM: Ⓢ*		
21) Canopy Cover Method Ⓢ* (circle one): COVER PERCENT; DAUBEN; NRMCOV					

Element Occurrence Data

22) EO Canopy Cover: %Cov: _____ or Cover Class Code: _____		23) Lifeform: _____	
24) Number of subpopulations: _____		25) Plant Found (Revisit): Yes or No	
26) Plant Count: <u>5</u>	27) Count Type: <u>Genets/Ramets/Undetermined</u>	28) Count: <u>Actual</u> or Estimate	
29) Revisit needed - Yes <u>or No</u>		30) Revisit Date: _____	
31) Revisit Justification: _____			
32) Phenology by % (Sum to 100%): Vegetative _____ <u>Flower/Bud</u> <u>60</u> <u>Fruit/Dispersed</u> <u>40</u> Seedlings/ Juvenile _____	33) Population Comments: (e.g., distribution, vigor, density, phenology, dispersal)		
34) Evidence of disease, competition, predation, collection, trampling, or herbivory: Yes ___ or No ___			
35) Evidence Comments: _____			
36) Pollinator observed – Yes or No		37) Pollinator type(s): _____	
38) Pollinator comments: _____			

Site Morphometry

39) Percent Slope: <u>40</u>		40) Slope position: <u>top</u>	
41) Aspect: azimuth: _____ or cardinal: <u>NW</u>			
42) Elev.: Ave: _____ Min: _____ Max: _____		43) Elev UOM: Ⓢ*	

Soil Characteristics and Light Conditions

44) Substrate on which EO occurs: <u>soft, loose soil</u>		
45) Parent Material:	46) Soil Moisture:	47) Soil Texture:
48) Soil Type:		49) Light Exposure:

SITE ID:

Site Classifications

Record taxonomic units of the given type(s) if published classifications exist for the area.			
CLASSIFICATION TYPE	CLASS CODE	CLASSIFICATION SHORT NAME	CLASSIFICATION SET
50) Existing Veg			
51) Potential Veg			
52) Ecotype			

Habitat Quality and Management Comments

53) Habitat Description: Growing along old access road at	
54) Dominant Process:	
55) Process Comment:	
56) Community Quality (L, M, H):	57) Landscape Integrity (L, M, H):
58) Disturbance/Threats (present or imminent):	
59) Disturbance/Threats Comment:	
60) Non-Native Comment: Bro fec, Bro dia	
61) Current Land Use Comment:	

Canopy Cover

Record % canopy cover by actual percent, or by cover class (as indicated in General Information Block).			
Lifeform Canopy Cover	62) % Cov or Code	Ground Cover	63) % Cov or Code
Tree		Bare	
Shrub		Gravel	
Forb		Rock	
Graminoid		Bedrock	
Non-vascular		Moss	
Lichen		Litter/Duff	
Algae		Basal Veg	
		Water	
		Road surface	
		Lichen	

SITE ID:

Image Information

78) Image ID	79) Image Description

Location Information

(, Forest Code, will be auto-populated by the database application when the spatial feature is entered)

80) USGS Quad Number:	81) USGS Quad Name:
82) Forest Quad Number:	83) Forest Quad Name:

84) Legal Description: Required where public land survey is available.

Meridian:	Township and Range:
Section:	Q Sec: QQ Sec: QQQ Sec: QQQQ Sec:

85) Latitude and Longitude (either in degrees, minutes, seconds or in decimal degrees)


Geodetic Datum:	
GPS Lat. Dec. Degrees:	GPS Long. Dec. Degrees:

87) GPS Equipment Used (Manufacturer and Model):

88) Directions

90) Sketch of Site or Area

--



Appendix C - TES Plant Element Occurrence Field Form – US Forest Service - 2015

Ⓢ = required field, Ⓢ* = conditionally required field

General Information

1) SITE ID: Ⓢ		2) DATE: Ⓢ 6/4/18		3) SITE NAME: Pyramid Lake	
4) NRCS PLANT CODE: Ⓢ Liebre Gulch					
5) SCIENTIFIC NAME: Ⓢ <i>Calystegia personii</i>					
6) RECORD SOURCE: Ⓢ		7) SURVEY ID: Ⓢ*		8) Survey Name:	
9) EXAMINER(S)- LAST: Ⓢ Creever			FIRST: Ⓢ Sheryl	MIDDLE INITIAL:	
LAST: Butler			FIRST: Laura	MIDDLE INITIAL:	
10) OWNERSHIP: Ⓢ ANF		11) Loc. Uncert: Ⓢ		12) Uncert. Dist: Ⓢ*	
13) E.O. #		14) STATE: Ⓢ* CA		15) COUNTY: Ⓢ* LA	
16) REGION: Ⓢ*		17) FOREST: Ⓢ* ANF		18) DISTRICT: Ⓢ*	
19) Area (Est):			20) Area UOM: Ⓢ*		
21) Canopy Cover Method Ⓢ* (circle one): COVER PERCENT; DAUBEN; NRMCOV					

Element Occurrence Data

22) EO Canopy Cover: %Cov: or Cover Class Code:		23) Lifeform:	
24) Number of subpopulations:		25) Plant Found (Revisit): Yes or No	
26) Plant Count: 3	27) Count Type: Genets/Ramets/Undetermined	28) Count: Actual or Estimate	
29) Revisit needed - Yes (or No)		30) Revisit Date:	
31) Revisit Justification:			
32) Phenology by % (Sum to 100%): Vegetative . . . : 10 Flower/Bud . . . : 33 Fruit/Dispersed . . . : Seedlings/ Juvenile	33) Population Comments: (e.g., distribution, vigor, density, phenology, dispersal)		
34) Evidence of disease, competition, predation, collection, trampling, or herbivory: Yes ___ or No ___			
35) Evidence Comments:			
36) Pollinator observed – Yes (or No)		37) Pollinator type(s):	
38) Pollinator comments:			

Site Morphometry

39) Percent Slope: 35%		40) Slope position:	
41) Aspect: azimuth: or cardinal: West			
42) Elev.: Ave: Min: Max:		43) Elev UOM: Ⓢ*	

Soil Characteristics and Light Conditions

44) Substrate on which EO occurs:			
45) Parent Material:		46) Soil Moisture:	47) Soil Texture:
48) Soil Type:			49) Light Exposure: full sun

SITE ID:

Site Classifications

Record taxonomic units of the given type(s) if published classifications exist for the area.			
CLASSIFICATION TYPE	CLASS CODE	CLASSIFICATION SHORT NAME	CLASSIFICATION SET
50) Existing Veg			
51) Potential Veg			
52) Ecotype			

Habitat Quality and Management Comments

53) Habitat Description:	
54) Dominant Process:	
55) Process Comment:	
56) Community Quality (L, <u>M</u> , H):	57) Landscape Integrity (L, M, H):
58) Disturbance/Threats (present or imminent): <u>roadside/noxious weeds</u>	
59) Disturbance/Threats Comment:	
60) Non-Native Comment: <u>infested with Cen mel, Atriplex semibaccata, Salsola tragus</u>	
61) Current Land Use Comment:	

Canopy Cover

Record % canopy cover by actual percent, or by cover class (as indicated in General Information Block).			
Lifeform Canopy Cover	62) % Cov or Code	Ground Cover	63) % Cov or Code
Tree		Bare	
Shrub		Gravel	
Forb		Rock	
Graminoid		Bedrock	
Non-vascular		Moss	
Lichen		Litter/Duff	
Algae		Basal Veg	
		Water	
		Road surface	
		Lichen	

SITE ID:

Associated Species

List species directly associated with the EO species on this site. Record the NRCS Plant Code, scientific name or both. If desired, indicate lifeform, dominant species, % cover for each species and flag non-native species.

64) Completeness of Species List: @* C, R, OR S

65) Species List Comment:

66) NRCS Plant Code	67) Scientific Name	68) Life Form	69) Dom. (Y/N)	70) % Cov or Class	71) Non- native
	<i>Eriogonum fasciculatum</i>		Y		
	<i>Bromus diandrus</i>		Y		
	<i>Centauria melitensis</i>		N		
	<i>Peritomen arborea</i>		N		
	<i>Salvia apiana</i>		N		

EO Specimen Documentation

72) Reference for ID:		
73) Primary Collector - Last Name:	First Name:	M.I.
Other Collectors - Last Name:	First Name:	M.I.
74) Collection #: @*	75) ID Confirmed: @* Y: or N: or Questionable:	
76) Verification:		
77) Specimen Repository: @*		

SITE ID:

Image Information

78) Image ID	79) Image Description

Location Information

(, Forest Code, will be auto-populated by the database application when the spatial feature is entered)

80) USGS Quad Number:	81) USGS Quad Name:
82) Forest Quad Number:	83) Forest Quad Name:

84) Legal Description: Required where public land survey is available.

Meridian: _____ Township and Range: _____
Section: _____ Q Sec: _____ QQ Sec: _____ QQQ Sec: _____ QQQQ Sec: _____

85) Latitude and Longitude (either in degrees, minutes, seconds or in decimal degrees)


Geodetic Datum: _____

GPS Lat. Dec. Degrees: _____ GPS Long. Dec. Degrees: _____

87) GPS Equipment Used (Manufacturer and Model): _____

88) Directions _____

90) Sketch of Site or Area



INVASIVE SPECIES INFESTATION RECORD FIELD FORM

Data Elements

INFESTATION ID:		DATE: 6/4/18	
Project Name:		Ownership:	
Proclaimed Forest: ANF			
EXAMINER: S. Creer, L. Butler			
Target Species Code: C		Life Form:	
Scientific Name: <i>Epilobium (cardan) drab</i>		Common Name:	
% Infested: 100		Infested Area:	
Density:	UOM:	Count: 1000	UOM: Plants or Stems or Individuals
Lifestage: flower	Distribution:	Phenology: flower	Treat Priority:

Canopy Cover

Describe canopy cover by either entering the actual percent, (*Canopy Cover Percent*) or by using canopy cover classes (*Canopy Cover Set and Cover Code*).

Canopy Cover Set:	Cover Code:	Canopy Cover Percent	%
-------------------	-------------	----------------------	---

Distance to Water

Horizontal Distance to Water:	Vertical Distance to Water:
-------------------------------	-----------------------------

Associated Species

Target Species Code:	Scientific Name:
	<i>Tamarix ramulissima</i>
	<i>Baccharis salicifolia</i>
	<i>Phragmites australis</i>

Site Information

Elevation Av:	Min Elevation:	Max Elevation:	UOM
Aspect-Azimuth:		Aspect-Cardinal Direction:	
Percent Slope: 0%	Slope Position: gulch bottom		
Soil Texture:			

Existing Vegetation Information

Plant Community: <i>Phragmites / Baccharis sal</i>		
Class Set Name:	Class Code:	Class Name:
SAF Cover Type:	SRM Cover Type:	
Dominant Codominant Species		
Plant Code	Scientific Name	Ranking

Geopolitical Location

Region:	National Forest/Grassland: ANF	District:
State: CA	County: LA	

Location Information

USGS Quad Number:		USGS Quad Name:		
Forest Quad Number:		Forest Quad Name:		
Legal Description:				
Meridian:	Township/ Range:			
SEC:	Q SEC:	QQ SEC:	QQQ SEC:	QQQQ SEC:
GPS Datum:				
Latitude DDegrees:		Longitude DDegrees:		
Narrative (detailed description of location, direction to site and map location if applicable. Include information in locating the starting point for the traverse leg and other important description information.)				
<p style="font-family: cursive;">concentrated in flat of gulch bottom associated with Phragmites and sand Bacc Palta</p>				
Traverse information for start point to sample point.				
Azimuth (degrees):		Distance:		
Distance UOM:				

Comments

INVASIVE SPECIES INFESTATION RECORD FIELD FORM

Data Elements

INFESTATION ID:		DATE: 6/9/18	
Project Name:		Ownership: ANF	
Proclaimed Forest: ANF			
EXAMINER: S. Creech, L. Butler			
Target Species Code:		Life Form:	
Scientific Name: <i>Sperthium junceum</i>		Common Name:	
% Infested:		Infested Area: approx 30 sq. ft	
Density:	UOM:	Count: 15	UOM: Plants or Stems or Individuals
Lifestage: Flower	Distribution:	Phenology: Flower	Treat Priority:

Canopy Cover

Describe canopy cover by either entering the actual percent, (*Canopy Cover Percent*) or by using canopy cover classes (*Canopy Cover Set and Cover Code*).

Canopy Cover Set:	Cover Code:	Canopy Cover Percent	%
-------------------	-------------	----------------------	---

Distance to Water

Horizontal Distance to Water:	Vertical Distance to Water:
-------------------------------	-----------------------------

Associated Species

Target Species Code:	Scientific Name:
	<i>Atriplex semi</i>
	<i>Balsola tragus</i>
	<i>Cercocarpus mollis</i>

Site Information

Elevation Av:	Min Elevation:	Max Elevation:	UOM
Aspect-Azimuth:		Aspect-Cardinal Direction: SE	
Percent Slope: 45°		Slope Position: top	
Soil Texture:			

Existing Vegetation Information

Plant Community			
Class Set Name		Class Code:	Class Name
SAF Cover Type:		SRM Cover Type:	
Dominant Codominant Species			
Plant Code	Scientific Name		Ranking
	<i>Triogonum fasc</i>		
	<i>Perrituma arb</i>		

Geopolitical Location

Region:	National Forest/Grassland: ANF	District:
State: CA	County: LA	

Location Information

USGS Quad Number:		USGS Quad Name:		
Forest Quad Number:		Forest Quad Name:		
Legal Description:				
Meridian:	Township/ Range:			
SEC:	Q SEC:	QQ SEC:	QQQ SEC:	QQQQ SEC:
GPS Datum:				
Latitude DDegrees:		Longitude DDegrees:		
Narrative (detailed description of location, direction to site and map location if applicable. Include information in locating the starting point for the traverse leg and other important description information.)				
Immediately downslope of highway I-5. One small patch				
Traverse information for start point to sample point.				
Azimuth (degrees):		Distance:		
Distance UOM:				

Comments
