

Non-Native Invasive Data Collection Form

20170006-DC-NNIP-2-1

Date	Surveyors (circle recorder)	Client	Project	Site	IPad/GPS/Camera ID
06/06/17	SA, CC	DWR	Devil Canyon Hydropower Plant		ipad Air 2
<b>Site Notes</b>					
NE side of dirt access rd. W. of penstock @ upper end - Densely vegetated chaparral see upper rt. corner					

Location ID	Species Code	DIW*	CID**	Feature Type	Percent Cover (Absolute)	Percent Phenology			Total Photos	Approx. Area (sq.ft.)	Acre Class	NNIP Information (overall site description, population quality/viability, immediate & surrounding land use, visible disturbance, threats, resource concerns, comments)
						Vegetative	Flower	Fruiting				
SPA JUN		D	D	Poly	1-5%	41%	59%	0		0.03ac	1	healthy possibility of spreading soon if no disturbance from grading access rd address rd for power plant associated facilities. Associated spp:
BRO M		D	C	Poly	10%	0	0	100%		0.06ac	1	
BRO HOR		D	C	Poly	5%							
BRANIG		D	D		1-2%							
CEN MEL		D	C		2-3%							
MAR VUC		D	D		1%							
FES MYU		D	C		2-3%							
ERL BOT		D	D		1%							
BRO JEC		D	C		5%	0	0	100%		0.03ac	1	ERL FAS ERL SAP PSE CAL PEN CEN HES VUC WHI ADE FAS TET COM BRO CER BET CHA LEM ERI TRJ SAL AP MIM TURK
												Some plants growing right by backstreet, so treatment difficult

**Quantitative Data Collection:** (A) Percent Coverages- Absolute Total & Phenological: 0-1%; 1-5%; 5-10%; 10-15%; 15-25%; 25-35%; 35-50%; 50-75%; 75-100%. (B) If a plant population is estimated to cover > 0.1 acre or if > 100 feet (linear) - map to the boundary. (B) If a plant population is < 0.1 acre or if < 100 feet (linear) then a map single central point and an estimate of acre class will be recorded. (C) Acre Classes: 1- up to 0.1 acre; 2- 0.1 to 0.25 acre; 3- 0.26 to 1.0 acres; 4- > 1.0 acres.

**Qualitative Data Collection:** (A) \* D - discrete, or W - widespread. For widespread occurrences of NNIP, or for those which detailed mapping is unlikely to remain accurate (e.g., annual grasses, which change distributions yearly), describe general distribution and extent within the study area and estimate acre class. (B) \*\* C - concentrated, or D - diffuse. (C) Feature Type: 1- Road/Road-Shoulder; 2- Park Area; 3- Mountain; 4- Hill; 5- Stream Channel; 6- Lake; 7- Other Water Body; 8- Barren; 9- Other (D) If a population is identified on the perimeter of the EPRC Project Boundary the extent of the population extending beyond the boundary will be estimated.

060611 NNIP WFS/ ①  
20170606-DC-NNIP-2-1

### Survey Field Form

(® = Required Fields)

Survey Focus: ® NNIP		Status: ®	Source of Work:
Survey ID: ®		Survey Name: Devil Canyon	
Visit Date(s)® (MMDDYYYY)	Examiners®		
06062017	Shelly Austin, Courtney Chaney		
Estimate of Area Surveyed®		Acres®	0.6 ac
Survey Type®		Survey Focus®	
Botanical		NNIP	
Number of Traverses: 100% coverage of area			
Elevation			
Min:	Max:	Avg:	UOM: Feet
Survey Parameters: Surveying within study area boundary			
Comments:			

Updated  
060617

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040617 USFS 1

### Survey Field Form

(® = Required Fields)

Survey Focus: ® NNIP      Status: ®      Source of Work:

Survey ID: ®      Survey Name: Devil Canyon

Visit Date(s)® (MMDDYYYY)      Examiners®

04062017      Shelly Austin, Aaron Newton

06062017      Shelly Austin, Courtney Chaney

Estimate of Area Surveyed®      Acres®      0.3ac

Survey Type®      Survey Focus®

Botanical      NNIP

Number of Traverses: 100% coverage of area

Elevation

Min:      Max:      Avg:      UOM: Feet

Survey Parameters: Surveying w/in study area boundary

Comments:

### Target Species List

In the following Table list all the plant species that are the focus of the survey. The National Standard requires a minimum of one (1) target species be entered.

Target Species NNIP		
Plant Code®	Common Name	Plant Found®
AVEBAR	wild oat	Y
BRODIA	riggust brome	X
BRANIG	black mustard	X
EROAIC	red-stemmed filaree	Y
CENMEC	Malta star thistle	Y

See Species List of Surveyed Area for % Cover





See Comprehensive Species List  
**INVASIVE SPECIES INFESTATION RECORD FIELD FORM**

**Data Elements**

INFESTATION ID: 1		DATE: 04/06/17	
Project Name: Devil Cyn		Ownership: USFS	
Proclaimed Forest: SBDO Natl Forest			
EXAMINER: Shelly Austin			
Target Species Code: BRA NIG		Life Form: herb	
Scientific Name: Brassica nigra		Common Name: black mustard	
% Infested: 65%		Infested Area: 0.2 ac	
Density:	UOM:	Count:	UOM: Plants or Stems or Individuals
Lifestage:	Distribution:	Phenology: Flowering	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	%
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**Distance to Water**

Horizontal Distance to Water:	Vertical Distance to Water:
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**Associated Species**

Target Species Code:	Scientific Name:
AVE BAR	Avena barbata
MEL IND	Melilotus indicus
BRO DIA	Bromus diandrus
HYP GLA	Hypochaeris glabra

**Site Information**

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

**Existing Vegetation Information**

Plant Community: Non-native grassland		
Class Set Name	Class Code:	Class Name
SAF Cover Type:	SRM Cover Type:	
Dominant Codominant Species		
Plant Code	Scientific Name	Ranking
BRA NIG	Brassica nigra	1
CEN MEL	Centaurea melitensis	2
ERO CIC	Erodium cicutarium	3





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040617 USFS  
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NNIP  
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### Survey Field Form

(® = Required Fields)

Survey Focus: ® NNIP		Status: ®	Source of Work:
Survey ID: ® 040617 USFS 7		Survey Name: Devil Canyon	
Visit Date(s)® (MMDDYYYY)	Examiners®		
04062017	Shelly Austin, Aaron Newton		
06062017	Shelly Austin, Courtney Chaney		
Estimate of Area Surveyed ® 0.05 Acres®			
Survey Type®		Survey Focus®	
Botanical - Roadside surveys		NNIP, rare plants	
Number of Traverses:			
Elevation			
Min:	Max:	Avg:	UOM: Feet
Survey Parameters:			
Study area boundary			
Comments:			



## Species List of Surveyed Area

List other species found during the survey. Indicate habitat (locally defined), lifeform and cover abundance.

Completeness of species list:

Cover Method (if cover recorded):

Plant Code	Scientific Name	Life Form	Habitat	% Cover or Class
ROB PSE	<i>Robinia pseudoacacia</i>	Tree	↓	100 %.
BRO DIA	<i>Bromus diandrus</i>	Grass		<del>15</del> 35 %.
SIL MAR	<i>Silybum marianum</i>	H		80 %.
TOX DIV	<i>Toxicodendron diversilobum</i>	H		15 %.
			↓	
			Black locust grove	

Comments: Grove of 100-125 black locust saplings  
 & trees along north side of Devil Canyon Rd.  
 (paved). Trees 40' tall, 6"-12" DBH  
 Ceanothus chaparral further away from road  
 outside of study area.  
 Wet area by road just west of locust (Typha ang.,  
 Juncus sp.). Concerns this sp. could spread  
 to other areas.



**INVASIVE SPECIES INFESTATION RECORD FIELD FORM**

**Data Elements**

INFESTATION ID: 040617 USFS 7		DATE: 040617	
Project Name: Devil Canyon		Ownership: <del>SB</del> USFS	
Proclaimed Forest: SBNF			
EXAMINER: Shelly Austin			
Target Species Code: ROB PSE		Life Form: Tree	
Scientific Name: Robinia pseudoacacia		Common Name: black locust	
% Infested: 100%		Infested Area: 2,367 s.f. (0.05ac)	
Density: 5 trees / 100 s.f.	UOM:	Count: ~125	UOM: Plants or Stems or Individuals
Lifestage: Mature tree	Distribution:	Phenology: Flwr	Treat Priority: High

Est.

**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	% 100
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**Distance to Water**

Horizontal Distance to Water:	Vertical Distance to Water:
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**Associated Species**

Target Species Code:	Scientific Name:
BRO DIA	Bromus diandrus
SIL MAR	Silybum marianum

**Site Information**

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

**Existing Vegetation Information**

Plant Community: Black locust semi-natural stand		
Class Set Name	Class Code:	Class Name
SAF Cover Type:	SRM Cover Type:	
<b>Dominant Codominant Species</b>		
Plant Code	Scientific Name	Ranking
ROB PSE	Robinia pseudoacacia	1



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### Target Species List

In the following Table list all the plant species that are the focus of the survey. The National Standard requires a minimum of one (1) target species be entered.

Target Species NNIP		
Plant Code®	Common Name	Plant Found®

See attached NNIP Table

### Comprehensive Species List of Surveyed Area

List other species found during the survey. Indicate habitat (locally defined), lifeform and cover abundance.

Completeness of species list: \_\_\_\_\_ Cover Method (if cover recorded): \_\_\_\_\_

Plant Code	Scientific Name	Life Form	Habitat	% Cover or Class
BRO MAD	<i>Bromus madritensis rubens</i>	G	chap	10%
BRO HOR	<i>Bromus hordeaceus</i>	G		5%
BRA NIG	<i>Brassica nigra</i>	H		1-2%
CEN MEL	<i>Gentaurea melitensis</i>	H		2-3%
MAR VUL	<i>Marrubium vulgare</i>	H		1%
FES MYU	<i>Festuca myuros</i>	G		2-3%
ERO <del>TES</del>	<i>Erodium <del>moschatum</del> botrys</i>	H		1%
BRO TEC	<i>Bromus tectorum</i>	G		5%
ERI FAS	<i>Eriogonum fasciculatum</i>	S		50%
PSE CAL	<i>Pseudognaphalium californicum</i>	H		1%
HES WHI	<i>Hesperoyucca whipplei</i>	S		2%
TET COM	<i>Tetradymia comosa</i>	H		1%
CER BET	<i>Cercocarpus betuloides</i>	S		15%
CEA LEU	<i>Ceanothus leucodermis</i>	S		15%
ERI TRI	<i>Eriodictyon trichocalyx</i>	S		15%
SAL API	<i>Salvia apiana</i>	S		3%
MIM AUR	<i>Minulus aurantiacus</i>	S		1-2%
ERI SAP	<i>Eriastrum sapphirinum</i>	H		<1%
PEN GEN	<i>Penstemon centranthifolius</i>	S		<1%
ADEFAS	<i>Adenostoma fasciculatum</i>	S	↓	2-3%

Invasives?

Comments:





**INVASIVE SPECIES INFESTATION RECORD FIELD FORM**

**Data Elements**

INFESTATION ID:		DATE: 06/06/17	
Project Name: Devil Cyn		Ownership: USFS	
Proclaimed Forest: SDDO Natl Forest			
EXAMINER: Shelly Austin			
Target Species Code: SPAJUN		Life Form: herb	
Scientific Name: Spartium junceum		Common Name: Spanish broom	
% Infested: 5%		Infested Area: 0.6 ac	
Density: 161/ac	UOM:	Count: 37	UOM: Plants or Stems or Individuals
Lifestage: Se	Distribution: Along	Phenology: FL, V	Treat Priority: High
mature plants roadside, more disturbed soils 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	%
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**Distance to Water**

Horizontal Distance to Water:	Vertical Distance to Water:
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**Associated Species** See Table p. 3

Target Species Code:	Scientific Name:

**Site Information**

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

**Existing Vegetation Information**

Plant Community Chaparral		
Class Set Name	Class Code:	Class Name
SAF Cover Type:	SRM Cover Type:	
Dominant Codominant Species		
Plant Code	Scientific Name	Ranking
ERI FAS	Erigeron fasciculatus	2
CER LEU	Ceanothus leucodermis	1
CER BET	Cercocarpus betuloides	1
ERI TRI	Erigeron trinacalis	3

**Geopolitical Location**

<b>Region:</b> SBNF	<b>National Forest/Grassland:</b> NF	<b>District:</b> SBNF
<b>State:</b> CA	<b>County:</b> SBDO	

**Location Information**

<b>USGS Quad Number:</b>	<b>USGS Quad Name:</b>
<b>Forest Quad Number:</b>	<b>Forest Quad Name:</b>

**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.**

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**Traverse information for start point to sample point.**

**Azimuth (degrees):**                      **Distance:**

**Distance UOM:**

**Comments**

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