

EBRPD Pre-Treatment Assessment Survey

Park:	Huckleberry Botanic Regional Preserve	Date (MM/DD/YYYY)	1/11/18	
RTA/Location:	HP004	Total Acres	1.62	Acres Surveyed: 1.62
Recorder(s):	Sam Young and Margaret Finch			
Reason for Survey:	Pre-assessment			
Vegetation Management Goal (Paste from Appendix C of the MMP)	Oak-bay woodland, pallid manzanita, scattered north coastal scrub			

Vegetation Type	Proportion of Treatment Area (a)	Relative woody cover (b)	Absolute woody cover (a x b)	Alameda whipsnake PCE Habitat Type	Initials:	% Cover in Treatment Area	% Woody Cover
Oak-Bay Woodland/Forest	71.6%			No, not bordering PCE 1		NA	NA
Maritime chaparral	16.0%			No, less than 0.5 acre in size and not adjacent to PCE 1		NA	NA
Coastal Scrub (xeric)	11.7%			No, less than 0.5 acre in size and not adjacent to PCE 1		NA	NA
Successional grassland	0.7%			No, not bordering PCE1		NA	NA

Soil Erosion Potential		<input type="checkbox"/> Yes	<input type="checkbox"/> No	Initials:	
Existing Sediment Sources:					
Erosion Control Measures:		<input type="checkbox"/> Adequate	<input type="checkbox"/> Needed	Explain below	
GPS coordinates:	E:	N:	State Plane Ca III NAD83		
Soil Erosion Potential		<input type="checkbox"/> Yes	<input type="checkbox"/> No	Initials:	
Existing Sediment Sources:					
Erosion Control Measures:		<input type="checkbox"/> Adequate	<input type="checkbox"/> Needed	Explain below	
GPS coordinates:	E:	N:	State Plane Ca III NAD83		
Soil Erosion Potential		<input type="checkbox"/> Yes	<input type="checkbox"/> No	Initials:	
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Erosion Control Measures:		<input type="checkbox"/> Adequate	<input type="checkbox"/> Needed	Explain below	
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Soil Erosion Potential		<input type="checkbox"/> Yes	<input type="checkbox"/> No	Initials:	
Existing Sediment Sources:					
Erosion Control Measures:		<input type="checkbox"/> Adequate	<input type="checkbox"/> Needed	Explain below	
GPS coordinates:	E:	N:	State Plane Ca III NAD83		

ADDITIONAL NOTES:

Vegetation Summary				Initials:	Special Status Plants Present		Initials:
Vegetation Type	Proportion of Treatment Area (a)	Relative woody cover (b)	Absolute woody cover (a x b)	Species or Veg Community Types		# plants/% cover	
Maritime chaparral	4.91%	85%	4.17%				
Oak-bay woodland	93.25%	75%	69.94%				
Coyote brush scrub	1.84%	85%	1.56%				

Existing Woody Exotic Species			Initials:
Species Name	% cover in Treatment Area	GPS Coordinates	
<i>Genista monspessulana</i>	<1%	37.83693, -122.18407	

ADDITIONAL NOTES:

Four dead *Arctostaphylos pallida* and some discoloration in leaves for 14 additional *A. pallida* on east and southeast aspect in Oak-bay woodland canopy break at 37.83686, -122.18410

Two *A. pallida* and some French broom (*Genista monspessulana*) at 37.83694, -122.18407

Woodrat nest 20 feet downslope from the trail in a stand of poison oak at 37.83624, -122.18449

New Hydrologic Features				<input type="checkbox"/> None	<input type="checkbox"/> Present	Initials:
Type (Stream, spring, seep, etc.)			Substrate Material:			
			Water Quality (color):			
Vegetation, if present			Water Quality (clarity):			
GPS coordinates:	E:	N:	State Plane Ca III NAD83			
New Hydrologic Features				<input type="checkbox"/> None	<input type="checkbox"/> Present	Initials:
Type (Stream, spring, seep, etc.)			Substrate Material:			
			Water Quality (color):			
Vegetation, if present			Water Quality (clarity):			

GPS coordinates:	E:	N:	State Plane Ca III NAD83
New Hydrologic Features <input type="checkbox"/> None <input type="checkbox"/> Present			Initials:
Type (Stream, spring, seep, etc.)		Substrate Material:	
		Water Quality (color):	
Vegetation, if present		Water Quality (clarity):	
GPS coordinates:	E:	N:	State Plane Ca III NAD83
New Hydrologic Features <input type="checkbox"/> None <input type="checkbox"/> Present			Initials:
Type (Stream, spring, seep, etc.)		Substrate Material:	
		Water Quality (color):	
Vegetation, if present		Water Quality (clarity):	
GPS coordinates:	E:	N:	State Plane Ca III NAD83
New Hydrologic Features <input type="checkbox"/> None <input type="checkbox"/> Present			Initials:
Type (Stream, spring, seep, etc.)		Substrate Material:	
		Water Quality (color):	
Vegetation, if present		Water Quality (clarity):	
GPS coordinates:	E:	N:	State Plane Ca III NAD83
New Hydrologic Features <input type="checkbox"/> None <input type="checkbox"/> Present			Initials:
Type (Stream, spring, seep, etc.)		Substrate Material:	
		Water Quality (color):	
Vegetation, if present		Water Quality (clarity):	
GPS coordinates:	E:	N:	State Plane Ca III NAD83
New Hydrologic Features <input type="checkbox"/> None <input type="checkbox"/> Present			Initials:
Type (Stream, spring, seep, etc.)		Substrate Material:	
		Water Quality (color):	
Vegetation, if present		Water Quality (clarity):	
GPS coordinates:	E:	N:	State Plane Ca III NAD83
New Hydrologic Features <input type="checkbox"/> None <input type="checkbox"/> Present			Initials:
Type (Stream, spring, seep, etc.)		Substrate Material:	
		Water Quality (color):	
Vegetation, if present		Water Quality (clarity):	
GPS coordinates:	E:	N:	State Plane Ca III NAD83
ADDITIONAL NOTES:			

Cultural Resources Present:	<input type="checkbox"/> yes <input type="checkbox"/> no	Initials:
Adequately Protected:	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> Site flagged
Description:		
Site 1 GPS coordinates:	E:	N:
Site 2 GPS coordinates:	E:	N:
Note: Coordinates are in		

Site 3 GPS coordinates:	E:	N:	State Plane Ca III NAD83
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Nesting Bird Locations				Initials:
Species:		Coordinates E:	N:	Coordinates are in State Plane Ca III NAD83
Species:		Coordinates E:	N:	
Species:		Coordinates E:	N:	
Species:		Coordinates E:	N:	

ADDITIONAL NOTES: Notes on AWS habitat quality and general comments (include abundance of prey species, density and amount of burrows and rock outcrops, distance to core scrub habitat and/or degree of core scrub isolation [e.g., fragmented or contiguous]). Notes on CRLF habitat presence and quality. Notes on signs of potential *P. cinnamomi* presence (aboveground symptoms, zones of dead or dying plants, location in RTA):

The maritime chaparral and coyote brush scrub habitats within this RTA do not qualify as PCE 1 because they are both less than 0.2 acre in size (0.08 and 0.03 acres, respectively). Within the proposed project area, the USFWS defines core scrub (PCE 1) as coastal scrub, coyote brush scrub, and/or maritime chaparral habitat areas that are greater than 0.5 acre in size, or greater than 0.2 acre in size and continuous with other areas which fit the description of PCE 1. Scrub habitat in HP004 meets neither of these requirements, and therefore, there is no suitable PCE 1 habitat within this treatment area.

Vegetation Photo Point 1							Initials:	
Photo Point coordinates: E:				N:		State Plane Ca III NAD83		
Camera Bearing:		degrees		Time of Day:		Photo Number:		
Camera Bearing:		degrees		Time of Day:		Photo Number:		
Camera Bearing:		degrees		Time of Day:		Photo Number:		
Camera Bearing:		degrees		Time of Day:		Photo Number:		

Vegetation Photo Point 2							Initials:	
Photo Point coordinates: E:				N:		State Plane Ca III NAD83		
Camera Bearing:		degrees		Time of Day:		Photo Number:		
Camera Bearing:		degrees		Time of Day:		Photo Number:		
Camera Bearing:		degrees		Time of Day:		Photo Number:		
Camera Bearing:		degrees		Time of Day:		Photo Number:		

Vegetation Photo Point 3							Initials:	
Photo Point coordinates: E:				N:		State Plane Ca III NAD83		
Camera Bearing:		degrees		Time of Day:		Photo Number:		
Camera Bearing:		degrees		Time of Day:		Photo Number:		
Camera Bearing:		degrees		Time of Day:		Photo Number:		
Camera Bearing:		degrees		Time of Day:		Photo Number:		

Vegetation Photo Point 4							Initials:	
Photo Point coordinates: E:				N:		State Plane Ca III NAD83		
Camera Bearing:		degrees		Time of Day:		Photo Number:		
Camera Bearing:		degrees		Time of Day:		Photo Number:		
Camera Bearing:		degrees		Time of Day:		Photo Number:		
Camera Bearing:		degrees		Time of Day:		Photo Number:		

Vegetation Photo Point 5							Initials:	
Photo Point coordinates: E:				N:		State Plane Ca III NAD83		
Camera Bearing:		degrees		Time of Day:		Photo Number:		
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Camera Bearing:		degrees		Time of Day:		Photo Number:		

Vegetation Photo Point 6							Initials:	
Photo Point coordinates: E:				N:		State Plane Ca III NAD83		
Camera Bearing:		degrees		Time of Day:		Photo Number:		
Camera Bearing:		degrees		Time of Day:		Photo Number:		
Camera Bearing:		degrees		Time of Day:		Photo Number:		
Camera Bearing:		degrees		Time of Day:		Photo Number:		

When naming photo after downloading, use the polygon number and suffix "A" (e.g., AC001A)

Wildlife Survey

Weather Conditions			
Temperature	60 degrees F	Cloud Cover	60% cc
Wind Speed/Direction	no wind	Precipitation	no precipitation
Start Time	1400	Stop Time	
Observations			
Species	Time	Tally	Observations
Golden eagle (Special)			
Great blue Heron (Special)			
Red-tailed Hawk (Keystone)			
Great horned owl (Keystone)			
Scrub Jay (Keystone)			
Northern Flicker (Keystone)			
Nuttall's Woodpecker (Keystone, Indicator)			
Red-shouldered Hawk (Indicator)			
Hummingbird species (Indicator)	1445	two	observed
Hutton's vireo (Indicator)			
Warbling vireo (Indicator)			
Chestnut-backed chickadee (Indicator)			
Pygmy nuthatch (Indicator)			
Wrentit (Indicator)			
California thrasher (Indicator)			
Cedar waxwing (Indicator)			
California Towhee (Indicator)	1445	one	observed
Song sparrow (Indicator)			
House finch (Indicator)			
Coyote (KeystoneIndicator)			
Dusky-footed woodrat (Keystone, Indicator)	1438	one midden	observed

Species	Time	Tally	Observations
Botta's pocket gopher (Keystone, Indicator)			
California vole (Keystone)			
San Pablo Vole			
Brush Rabbit (Indicator)			
Western fence lizard (Keystone, Indicator)			
Ringnecked snake (Indicator)			
Pacific treefrog (Keystone)			
Monarch Butterfly (Special)			
Sharp-shinned Hawk			
Notes	<p>Varied thrush: one observed at 1424 Dark-eyed junco: five observed at 1425 Steller's jay: one observed at 1450</p>		

Table 4. Exotic Plants Known to Occur in the Proposed Project Area

Common Name	Scientific Name	Growth Form	Cal-IPC Rating ¹
Blackwood acacia	<i>Acacia melanoxylon</i>	Tree	Limited
Italian thistle	<i>Carduus pycnocephalus</i>	Annual herb	Moderate
Purple starthistle	<i>Centaurea calcitrapa</i>	Biennial herb	Moderate
Yellow starthistle	<i>Centaurea solstitialis</i>	Annual herb	High
Bull thistle	<i>Cirsium vulgare</i>	Biennial herb	Moderate
Poison hemlock	<i>Conium maculatum</i>	Biennial herb	Moderate
Pampas grass	<i>Cortaderia</i> spp.	Perennial herb	High
Artichoke thistle	<i>Cynara cardunculus</i>	Perennial herb	Moderate
Cape ivy	<i>Delairea odorata</i>	Perennial vine	High
Red gum	<i>Eucalyptus camaldulensis</i>	Tree	Limited
Blue gum	<i>Eucalyptus globulus</i>	Tree	Limited
Oblong spurge	<i>Euphorbia oblongata</i>	Perennial herb	Limited
French broom	<i>Genista monspessulana</i>	Shrub	High
Harding grass	<i>Phalaris aquatica</i>	Perennial herb	Moderate
Monterey pine	<i>Pinus radiata</i>	Tree	Not rated
Himalayan blackberry	<i>Rubus armeniacus</i>	Shrub/vine	High
Milk thistle	<i>Silbum marianum</i>	Annual/biennial herb	Limited

¹Ratings from California Invasive Plant Inventory (Cal-IPC 2006).

Source: Adapted from WHRRMP (LSA 2009).