

EBRPD Pre-Treatment Assessment Survey

Park:	Huckleberry Botanic Regional Preserve	Date (MM/DD/YYYY)	1/11/18		
RTA/Location:	HP001	Total Acres	1.7	Acres Surveyed:	1.7
Recorder(s):	Sam Young, Margaret Finch				
Reason for Survey:	Pre-assessment				
Vegetation Management Goal (Paste from Appendix C of the MMP)	Oak-bay woodland near road, thinned eucalyptus below				

Desktop Review					Initials:	GM
Vegetation Type	Proportion of Treatment Area (a)	Relative woody cover (b)	Absolute woody cover (a x b)	Alameda whipsnake PCE Habitat Type	% Cover in Treatment Area	% Woody Cover
Eucalyptus Forest/ Plantation	92%	90%	82.8%	No		
Coastal Scrub (xeric)	8%	70%	5.6%	Yes, PCE 1		

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:	
Existing Sediment Sources:					
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:

Cover is insufficient in scrub areas to qualify as PCE 1. This also disqualifies adjacent oak woodland as PCE 2. Loose soil and steep slopes are present indicating there is high erosion potential if vegetation is disturbed.

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	
Eucalyptus Plantation	65.88%	85%	56%			
Successional Grassland	2.35%	20%	0.47%			
Oak-Bay Woodland	23.53%	25%	5.88%			
Coastal Scrub-dry	5.29%	20%	1.06%			
Coastal scrub-mesic	2.94%	35%	1.03%			

Existing Woody Exotic Species			Initials:
Species Name	% cover in Treatment Area	GPS Coordinates	
<i>Eucalyptus globulus</i>	70%	37.84325, -122.19467	
<i>Genista monspessulana</i>	<1%	37.84325, -122.19467	
<i>Hedera helix</i>	<1%	37.84325, -122.19467	
<i>Vinca major</i>	<1%	37.84278, -122.19479	
<i>Deleria oderata</i>	<1%	37.84278, -122.19479	
<i>Oxalis pes-capre</i>	<1%	37.84278, -122.19479	
<i>Rubus armeniacus</i>	1%	37.84255, -122.19479	
<i>Pinus radiata</i>	<1%	37.84370, -122.19528	
<i>Conium maculatum</i>	<1%	37.84343, -122.19505	

ADDITIONAL NOTES:

Trail divides oak-bay woodland from Eucalyptus stand along its western edge. Bay-laurel common in the Eucalyptus stand mid-story. Slump/drainage marks southern boundary between the Eucalyptus stand and the oak-bay woodland boundary.

New Hydrologic Features		<input type="checkbox"/> None	<input checked="" type="checkbox"/> Present	Initials:
Type (Stream, spring, seep, etc.)	Substrate Material:	Soil		
Ephemeral drainage in slump	Water Quality (color):	NA		
Vegetation, if present	<i>Rubus californicus, R. armeniacus</i>	Water Quality (clarity): NA		
GPS coordinates:	E: -122.193946	N: 37.841947	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 checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> Site flagged
Description:	Retaining wall	
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:
Species:		Coordinates	E:	N:
Species:		Coordinates	E:	N:
Species:		Coordinates	E:	N:

Coordinates are in State Plane Ca III NAD83

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):

Trail divides oak-bay laurel from the Eucalyptus stand. Bay-laurel is common in the Eucalyptus midstory.

Ephemeral drainage marks the divide between the end of the eucalyptus and oak-bay woodland at the south end of the RTA.

Ribes species observed 100 feet southeast from 37.84253, -122.19478 in bottom of the drainage.

See cultural resources form for location of observed stone retaining wall.

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:		
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 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	65 degrees F	Cloud Cover	10%
Wind Speed/Direction	0 mph	Precipitation	Foggy
Start Time	0940	Stop Time	
Observations			
Species	Time	Tally	Observations
Golden eagle (Special)			
Great blue Heron (Special)			
Red-tailed Hawk (Keystone)	0952	1	Call
Great horned owl (Keystone)			
Scrub Jay (Keystone)	0945	2	
Northern Flicker (Keystone)			
Nuttall's Woodpecker (Keystone, Indicator)			
Red-shouldered Hawk (Indicator)			
Hummingbird species (Indicator)	0940	2	Anna's hummingbird
Hutton's vireo (Indicator)			
Warbling vireo (Indicator)			
Chestnut-backed chickadee (Indicator)	0945	4	Observed
Pygmy nuthatch (Indicator)			
Wrentit (Indicator)			
California thrasher (Indicator)			
Cedar waxwing (Indicator)			
California Towhee (Indicator)	0950	3	Observed
Song sparrow (Indicator)			
House finch (Indicator)			
Coyote (Keystone Indicator)			
Dusky-footed woodrat (Keystone, Indicator)			

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	Additional observations: Stellars Jay - 7 observed at 0950 Morning dove - 3 observed Dark-eyed junco- 1 observed Yellow-crowned sparrow - 10 observed foraging		

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).