

EBRPD Pre-Treatment Assessment Survey

Park:	Huckleberry Botanic Regional Preserve	Date (MM/DD/YYYY)	01/11/2018		
RTA/Location:	HP002	Total Acres	13.65	Acres Surveyed:	13.65
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	% Cover in Treatment Area	% Woody Cover
Coastal Scrub (xeric)	1.9%			<small>PCE 2. Not PCE 1 because less than 0.5 acres and not continuous with PCE 1.</small>	NA	
Eucalyptus Forest/Plantation	1.9%			No	NA	
Oak-Bay Woodland/Forest	78.1%			Yes, PCE 2	76.5%	
Northern Maritime Chaparral	18.1%			Yes, PCE 1	18.1%	

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	
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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	
Coastal scrub	1.9%	95%	1.81%			
Oak-Bay Woodland	72.28%	75%	54.21%			
Maritime Chaparral	23.77%	100%	23.77%			
Eucalyptus	1.9%	75%	1.43%			
Developed/Disturbed	0.15%	15%	0.02%			

Existing Woody Exotic Species			Initials:
Species Name	% cover in Treatment Area	GPS Coordinates	
<i>Delaria oderata</i>	<1%	37.87829, -122.18849	
<i>Vinca major</i>	<1%	37.83844, -122.18839	
<i>Genista marisoecsulana</i>	<1%	37.83844, -122.18839	
<i>Eucalyptus globulus</i>	1.9%	37.84235, -122.19379	
<i>Pinus radiata</i>	<1%	30 feet NE from 37.84158, -122.19388	
<i>Rubus armeniacus</i>	<1%	37.84158, -122.19388	
<i>Conrum maculatum</i>	<1%	37.84158, -122.19388	
<i>Centaurea solstitialis</i>	<1%	37.84158, -122.19388	
<i>Hirschfeldia incana</i>	<1%	37.83800, -122.8860	

ADDITIONAL NOTES:

Arctostaphylos pallida observed at the following GPS points:
Seven at 37.84017, -122.19205; 37.84068, -122.19115; 37.84068, -122.19115; four individuals at 37.84096, -122.19192; four individuals at 37.84099, -122.19170; two individuals at 37.84096, -122.19163; three individuals at 37.84095, -122.19135; one individual at 37.84078, -122.19112; one individual in a huckleberry stand at 37.84194, -122.19395; cut manzanita outside RTA at 37.83788, -122.19799

Some discoloration in canopy of two individual *A. pallida* 30 feet downslope from 37.84053, -122.19119. Some foliage discoloration noticed at 20 *A. pallida* off trail at 37.84052, -122.19114; leaves brown on eight *A. pallida* at 37.84024, -122.19086; leaves brown at one *A. pallida* at 37.83991, -122.19074.

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	

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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
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Type (Stream, spring, seep, etc.)		Substrate Material:	
		Water Quality (color):	
Vegetation, if present			Water Quality (clarity):
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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
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Type (Stream, spring, seep, etc.)		Substrate Material:	
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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
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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:
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):

Rock outcrops and shale (PCE 3) observed at 37.83852, -122.18867

Woodrat nest in coast live oak canopy at 37.84247, -122.19424.

The Coastal scrub in the work area does not qualify as PCE 1 because it is less than 0.5 acres in size (it is 0.26 acres total), and it is not contiguous with other PCE 1 habitat. This stand of coastal scrub can be considered PCE 2 as it borders Oak-bay woodland which qualifies as PCE 2.

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:		
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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:		
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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:		
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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:		
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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	Fog
Start Time	1115	Stop Time	
Observations			
Species	Time	Tally	Observations
Golden eagle (Special)			
Great blue Heron (Special)			
Red-tailed Hawk (Keystone)	1130	1	Calling
Great horned owl (Keystone)			
Scrub Jay (Keystone)	1156	1	Observed
Northern Flicker (Keystone)			
Nuttall's Woodpecker (Keystone, Indicator)			
Red-shouldered Hawk (Indicator)			
Hummingbird species (Indicator)	1118	10	Calling
Hutton's vireo (Indicator)			
Warbling vireo (Indicator)			
Chestnut-backed chickadee (Indicator)			
Pygmy nuthatch (Indicator)			
Wrentit (Indicator)	1235	1	Calling
California thrasher (Indicator)			
Cedar waxwing (Indicator)			
California Towhee (Indicator)	1140	3	Observed
Song sparrow (Indicator)			
House finch (Indicator)			
Coyote (Keystone Indicator)			
Dusky-footed woodrat (Keystone, Indicator)	1125	3	Nest in oak and on ground

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>Other observed species: Common Raven - 1 observed at 1500 Steller's Jay - 6 observed at 1130</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).