

Mail to:
 California Natural Diversity Database
 Department of Fish and Game
 1807 13th Street, Suite 202
 Sacramento, CA 95811
 Fax: (916) 324-0475 email: CNDDDB@dfg.ca.gov

For Office Use Only

Source Code _____ Quad Code _____
 Elm Code _____ Occ. No. _____
 EO Index No. _____ Map Index No. _____

Date of Field Work (mm/dd/yyyy): 08/03/2011

Reset

California Native Species Field Survey Form

Send Form

Scientific Name: *Arctostaphylos crustacea* Shrubland Alliance

Common Name: Brittle Leaf Manzanita Chaparral

Species Found? Yes No _____
If not, why?

Total No. Individuals NA Subsequent Visit? yes no
 Is this an existing NDDB occurrence? no unk.
Yes, Occ. #

Collection? If yes: _____
Number Museum / Herbarium

Reporter: Erin McDermott
Address: 832 Escobar St
 Martinez, CA 94553
E-mail Address: emcdermott@nomadecology.com
Phone: (925) 228-1027

Plant Information

Phenology: _____% vegetative _____% flowering _____% fruiting

Animal Information

adults _____ # juveniles _____ # larvae _____ # egg masses _____ # unknown _____
 wintering breeding nesting rockery burrow site other

Location Description (please attach map AND/OR fill out your choice of coordinates, below)
 In Knowland Park, in area planned for zoo expansion.

County: Alameda Landowner / Mgr.: Oakland Zoo
 Quad Name: _____ Elevation: _____
 T _____ R _____ Sec _____, _____ 1/4 of _____ 1/4, Meridian: H M S Source of Coordinates (GPS, topo. map & type): GPS
 T _____ R _____ Sec _____, _____ 1/4 of _____ 1/4, Meridian: H M S GPS Make & Model Etrex vista
DATUM: NAD27 NAD83 WGS84 Horizontal Accuracy 10 _____ meters/feet
Coordinate System: UTM Zone 10 UTM Zone 11 OR Geographic (Latitude & Longitude)
Coordinates: UTM E 575683, UTM N 4178903

Habitat Description (plants & animals) plant communities, dominants, associates, substrates/soils, aspects/slope:
Animal Behavior (Describe observed behavior, such as territoriality, foraging, singing, calling, copulating, perching, roosting, etc., especially for avifauna):
 Brittle Leaf Manzanita Chaparral stand on steep southwest facing slope and on steep northeast facing slope. Down the center of the stand is a ravine dominated by coast live oak woodland. Stand is dominated by *Adenostoma fasciculatum*, but *Arctostaphylos crustacea* ssp. *crustacea* (formerly called *Arctostaphylos tomentosa* ssp. *crustacea*) is characteristic and present at low cover. According to Manual of California Vegetation, Second Edition (Sawyer et al. 2009), this stand is Brittle Leaf Manzanita Chaparral ranked G2 S2.

Please fill out separate form for other rare taxa seen at this site.

Site Information Overall site/occurrence quality/viability (site + population): Excellent Good Fair Poor
 Immediate AND surrounding land use: Open space, park, and zoo
 Visible disturbances:
 Threats: Zoo expansion is planned for this area.
 Comments:

Determination: (check one or more, and fill in blanks)
 Keyed (cite reference): Jepson Herbarium
 Compared with specimen housed at: _____
 Compared with photo / drawing in: _____
 By another person (name): _____
 Other: _____

Photographs: (check one or more) Slide Print Digital
 Plant / animal
 Habitat
 Diagnostic feature
 May we obtain duplicates at our expense? yes no

GNPS and CDFG Combined Vegetation Rapid Assessment and Relevé Field Form
 Relevé on Rapid Assessment (circle one) (Revised May 13, 2011)

For Office Use:	Final database #:	Final vegetation type name:	Alliance Association:		
I. LOCATIONAL/ENVIRONMENTAL DESCRIPTION					
Polygon/Stand #:	Air photo:	Date:	Name(s) of surveyors (circle recorder):		
KP-1	9002W	8/3/11	(E. McDermott) and B. Peterson		
GPS wpyt #:	GPS name:	Datum:	or (NAD83) Bearing, left axis at SW pt (degrees) of Long / Short side		
UTME 575683	UTMN 4178903	Zone: 11	(circle one) Error: ± ft / m / pdop		
GPS within stand? <input checked="" type="checkbox"/> Yes / No If No, cite from waypoint to stand, distance (meters) & bearing (degrees)					
Elevation: 566 ft/m Camera Name/Photograph #'s: EM N → W 7451-7454, 7455					
Stand Size (acres): <1, 1-5 >5 Plot Size (m ²): 10 / 100 / 400 / 1000 Plot Shape: x ft/m or Circle Radius: ft/m					
Exposure, Aspect: 220 NE NW SE <input checked="" type="checkbox"/> Flat Variable All Steepness, Aspect: 30° 0° 1-5° 5-25° <input checked="" type="checkbox"/>					
Topography: Macro: top <input checked="" type="checkbox"/> upper mid lower bottom Micro: convex flat <input checked="" type="checkbox"/> concave undulating					
Geology code: Soil Texture code: MESA Upland or Wetland/Riparian (circle one)					
% Surface cover: (incl. cuttraps) (>60cm diam) (25-60cm) (7.5-25cm) (2cm-7.5cm) (incl sand, mud)					
H2O: 0 BA Stems: 1 Litter: 10 Bedrock: 0 Boulder: 0 Stone: 1 Cobble: 1 Gravel: 10 Fines: 80 = 100%					
% Current year bloturbation <input checked="" type="checkbox"/> Past bloturbation present? Yes / <input checked="" type="checkbox"/> No % Hoop punch <input checked="" type="checkbox"/>					
Fire evidence: Yes / <input checked="" type="checkbox"/> No (circle one) If yes, describe in Site history section, including date of fire, if known.					
Site history, stand age, comments: Chamise stand on very steep SW facing slope with thin soils. A second stand is across drainage on steep NE facing slopes. Overwhelming dominated by chamise. Young Quercus agrifolia trees are encroaching from adjacent stand into chamise.					
Disturbance code / Intensity (L,M,H): -1-1-1-1-1-1 "Other" 1					
II. HABITAT AND VEGETATION DESCRIPTION					
Tree DBH: T1 (<4" dbh), T2 (4-6" dbh), T3 (6-11" dbh), T4 (11-24" dbh), T5 (>24" dbh), T6 multi-layered (T3 or T4 layer under T5, >60% cover)					
Shrub: S1 seedling (<3 yr. old), S2 young (<1% dead), S3 mature (1-25% dead), S4 decadent (>25% dead)					
Herbaceous: H1 (<12" plant ht.), H2 (>12" N.) Desert Riparian Tree/Shrub: 1 (<2ft. stem ht.), 2 (2-10ft. ht.), 3 (10-20ft. ht.), 4 (>20ft. ht.)					
Desert Palm/Joshua Tree: 1 (<1.5" base diameter), 2 (1.5-6" diam), 3 (>6" diam) % Non Vasc cover: 2 % Vasc Veg cover: 60					
% Cover - Conifer tree / Hardwood tree: 0 / 1 Regenerating Tree: 35 Shrub: 60 Herbaceous: 1					
Height Class - Conifer tree / Hardwood tree: 0 / 1 Regenerating Tree: 04 Shrub: 04 Herbaceous: 01					
Height classes: 01=<1/2m 02=1/2-1m 03=1-2m 04=2-5m 05=5-10m 06=10-15m 07=15-20m 08=20-35m 09=35-50m 10=>50m					
Species, Stratum, and % cover. Stratum categories: T=Tree, S=Shrub, H=Herb, E=SEedling, A=SApling, N=Non-vascular.					
% cover intervals for reference: <1%, 1-5%, >5-16%, >15-25%, >25-50%, >50-75%, 75%.					
Stratum	Species	% cover	Stratum	Species	% cover
T	Quercus agrifolia	35	H	Erigeron californicus	<1
SA	Quercus agrifolia	35	S	Toxicodendron diversilobum	<1
S	Adeleostoma fasciculatum	60	H	Chlorocalymon pinnatifidum	<1
S	Mimulus aurantiacus	1		psammophilum	<1
S	Baccharis pilularis	2	S	Sambucus mexicana	<1
S	Arctostaphylos tomentosa crustacea	<1	H	Festuca cf. sp.	<1
N	Lichens	2			
S	Lonicera hispidula viscidiflora	<1			
S	Galearia elliptica	<1			
Unusual species: Arctostaphylos tomentosa crustacea is of interest.					
III. INTERPRETATION OF STAND					
Field-assessed vegetation alliance name: Adeleostoma fasciculatum scrubland					
Field-assessed association name (optional): none					
Adjacent alliances/direction: Quercus agrifolia in drainage					
Confidence in alliance identification: L M <input checked="" type="checkbox"/> Explain:					
Phenology (E,P,I): Herb L Shrub P Tree P Other identification or mapping information:					
Is poly >1 type: Yes / <input checked="" type="checkbox"/> No If yes, explain:					