2013 California Desert Vegetation Map in Support of the Desert Renewable Energy Conservation Plan

Western and Central Mojave Desert

And East Riverside Map completion

Mojave Desert Ecosystem Program

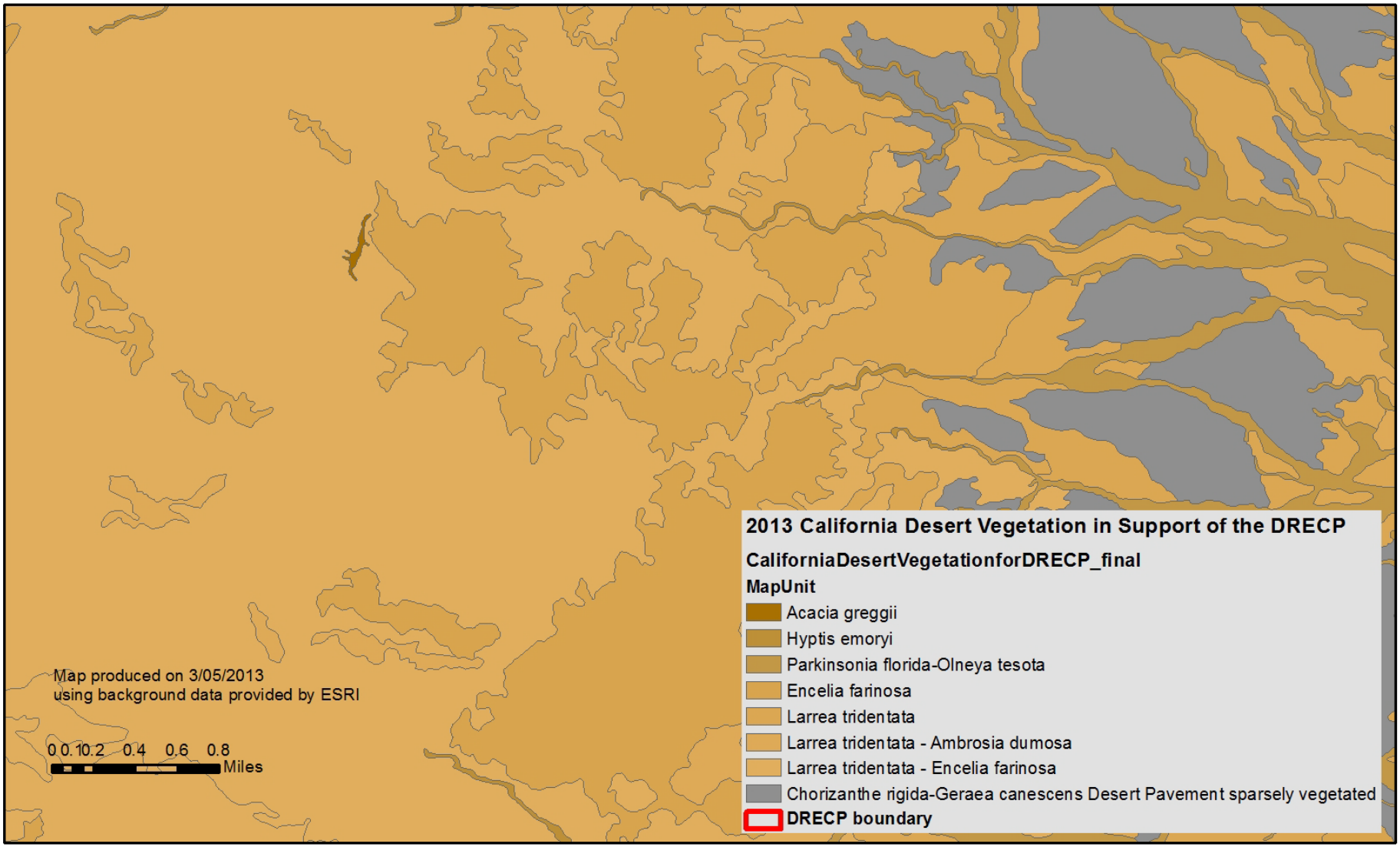
March 26, 2013

http://www.dfg.ca.gov/biogeodata/vegcamp/

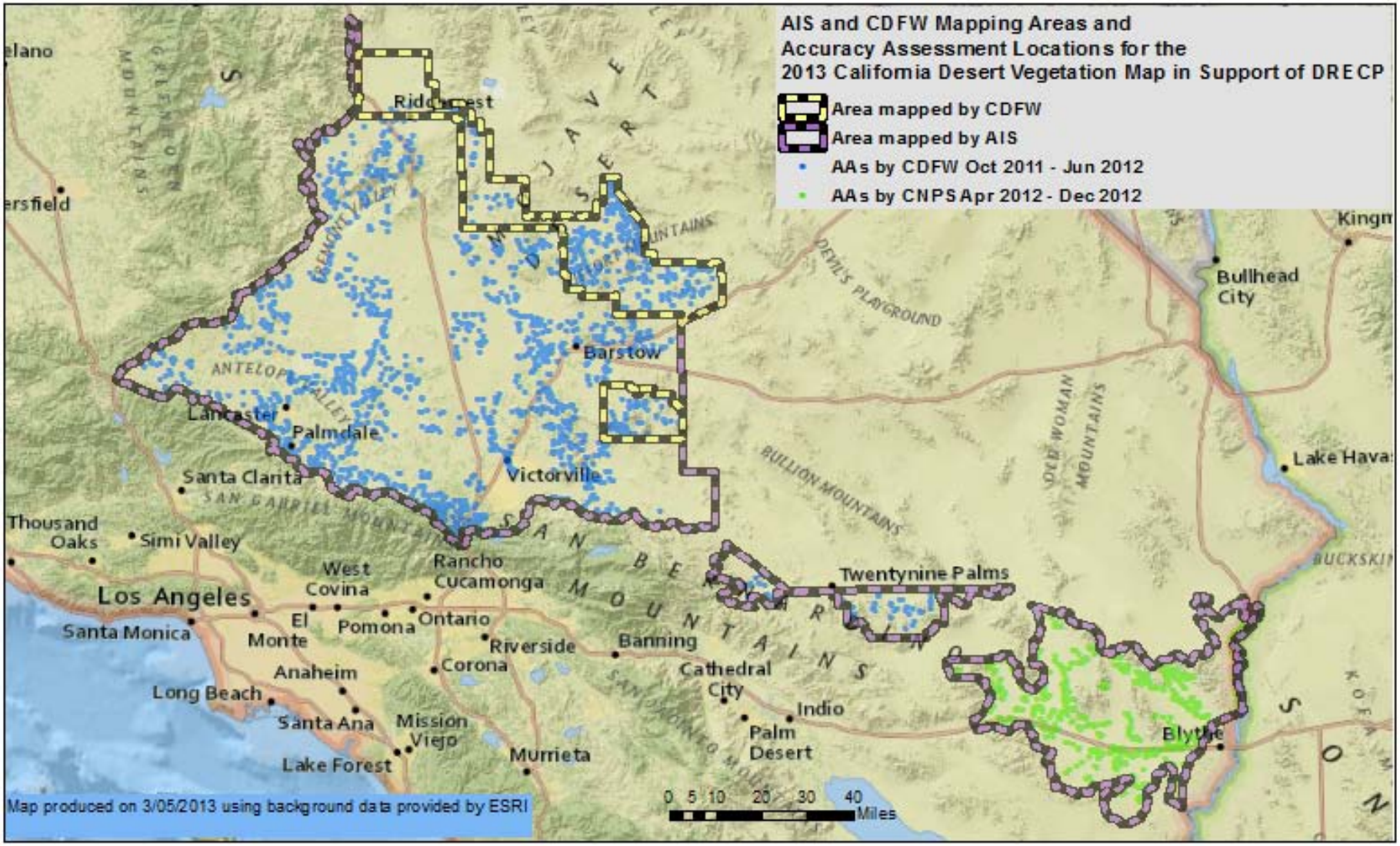
5,969,650 acre mapping project began in December 2010, interim map published July 2012, Final will be posted very soon

Mapping done at NVCS alliance level

classification largely based on previous work



Fieldwork included some rapid assesments, reconnaissance by both CDFW and AIS, and accuracy assessment



JoshuaTree Cover: Percent bird's eye cover of *Yucca brevifolia* within a vegetation stand broken into the following classes:

code	Range
0	None
1	present but <1% and unevenly scattered
2	present and between 1 and 5% evenly distributed (this will also be in the Joshua Tree Alliance)
3	> 5% generally dense clonal stands or possibly occasionally in dense woodlands of spreading tree morphs (rare)
9	Not applicable when PI is 9210, 9220, 9300, 9310,9800, 9801, 9802, 9803, 9804, 9805

HardwoodCover: Percent bird's eye cover of hardwoods within a vegetation stand broken into the following classes:

code	range
0	none
1	>0 - 1%
2	>1-5%
3	>5-15%
4	>15-25%
5	>25-50%
6	>50-75%
7	>75-100%
9	Not applicable when PI is 9210, 9220, 9300, 9310,9800, 9801, 9802, 9803, 9804, 9805

ShrubCover: Percent bird's eye cover of shrubs within a vegetation stand broken into the following classes:

code	range
0	none
1	>0 - 1%
2	>1-5%
3	>5-15%
4	>15-25%
5	>25-50%
6	>50-75%
7	>75-100%
9	Not applicable when PI is 9210, 9220, 9300, 9310,9800, 9801, 9802, 9803, 9804, 9805

HerbaceousCover: Percent bird's eye cover of herbaceous within a vegetation stand broken into the following classes:

code	range
0	no visible or expected cover
1	<2% herbaceous
2	2-9% herb cover
3	10-39% herb cover
4	=>40% (only in dense wetlands)
9	Not applicable when PI is 9210, 9220, 9300, 9310,9800, 9801, 9802, 9803, 9804, 9805

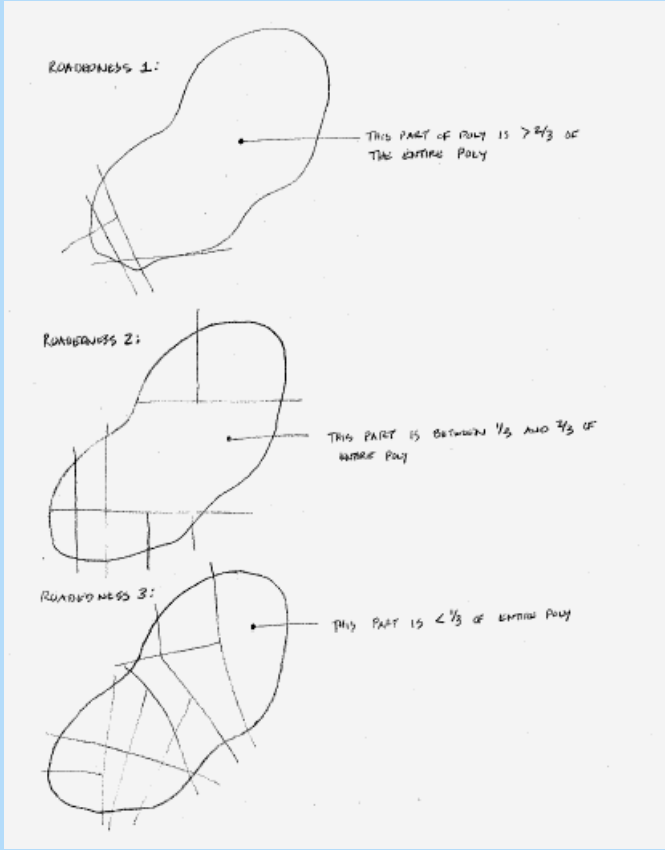
Exotics: Level of impact by exotic invasive species broken into the following classes

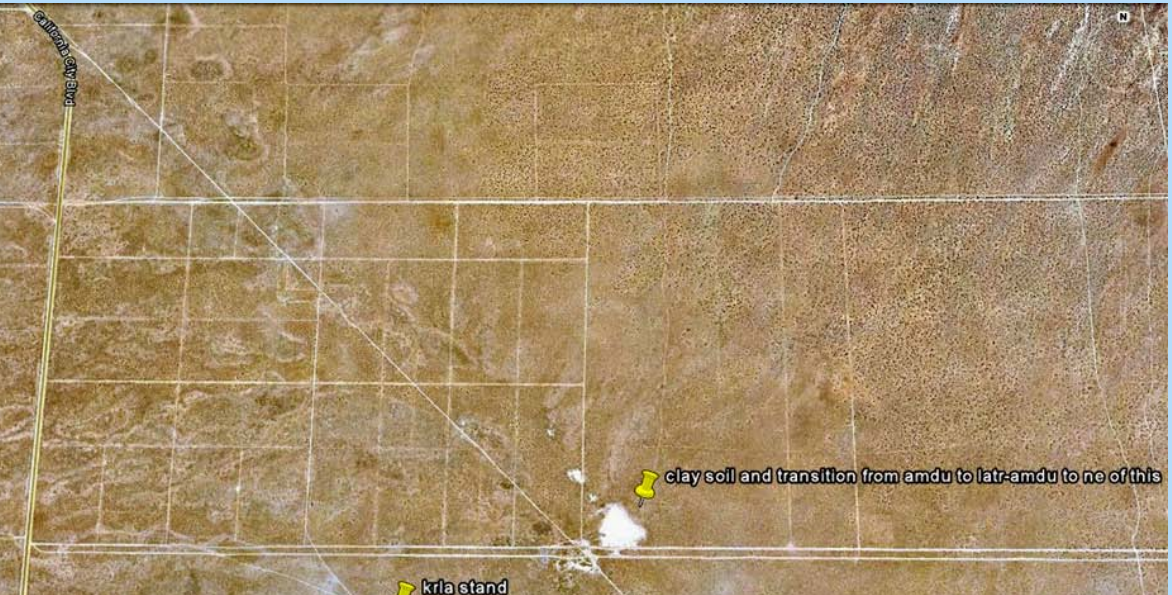
code	range
0	Based on field data: no evidence of exotics in sampling
1	patches of exotics visible, but cover not significant
2	exotics (particularly herbaceous) significant and cover may exceed dominant vegetation strata
3	stand characterized by exotics (veg type is exotic)
9	Not applicable when PI is 9300, 9310, 9320, 9800, 9801, 9802, 9803, 9804,9805

Roadedness:

Level of impact by paved and unpaved road, OHV trails, railroads etc.. Conceptually, this attribute can be used to determine if the polygon is largely unroaded. It was coded by estimating what percent of the entire polygon is represented by the largest portion of the polygon that does not have any roads through it.

code	range
0	no roads through polygon (the poly is essentially whole)
1	from 2/3 to just below the entire poly is "whole"
2	from 1/3 to 2/3 of the poly is "whole"
3	less than 1/3 of the poly is "whole"
9	Not applicable when PI is 9210, 9220, 9300, 9310, 9800, 9801, 9802, 9803, 9804, 9805, 9320 (non OHV)





Development: Level of impact by structures (buildings, tanks, paved parking lots, trailers, utility and mining structures) and anthropogenic debris (junked vehicles, trash, collapsed structures). This is for areas where low mmu settlement cannot be pulled out, or the development does not meet the criteria of a settlement.

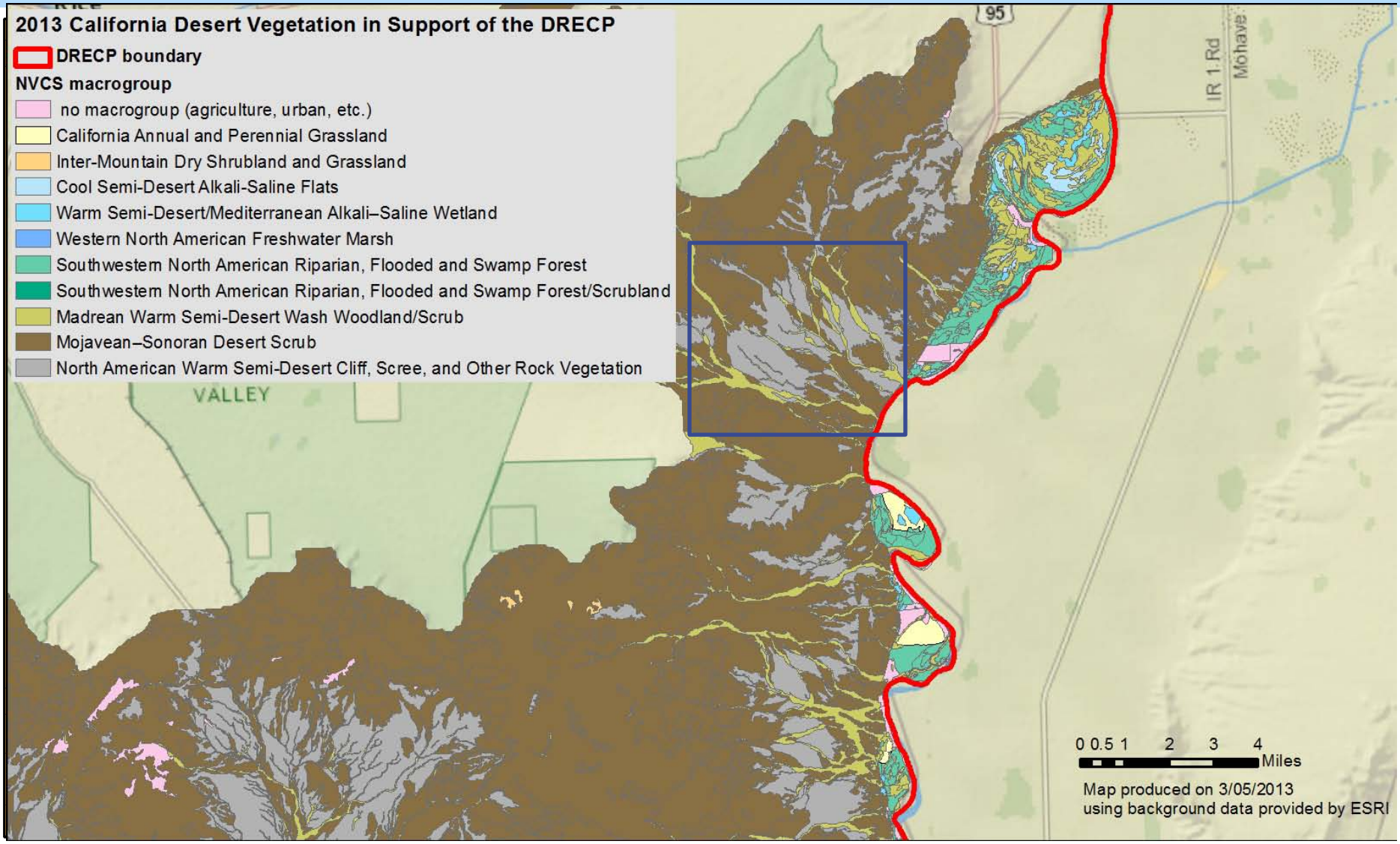
code	range
0	none visible
1	low: less than 2% of polygon affected
2	moderate: between 3%- 5%of the polygon affected
3	high: > 5% of polygon affected
9	Not applicable when PI is 9210, 9220, 9801

Anthropogenic Alteration:

Level of impact on vegetation by anthropogenic clearing of vegetation through tillage, scraping, grazing, etc.. This captures past disturbances in the landscape still visible through their impact on vegetation, with the caviat that the disturbance must be marked by a visible boundary, like a fenceline.

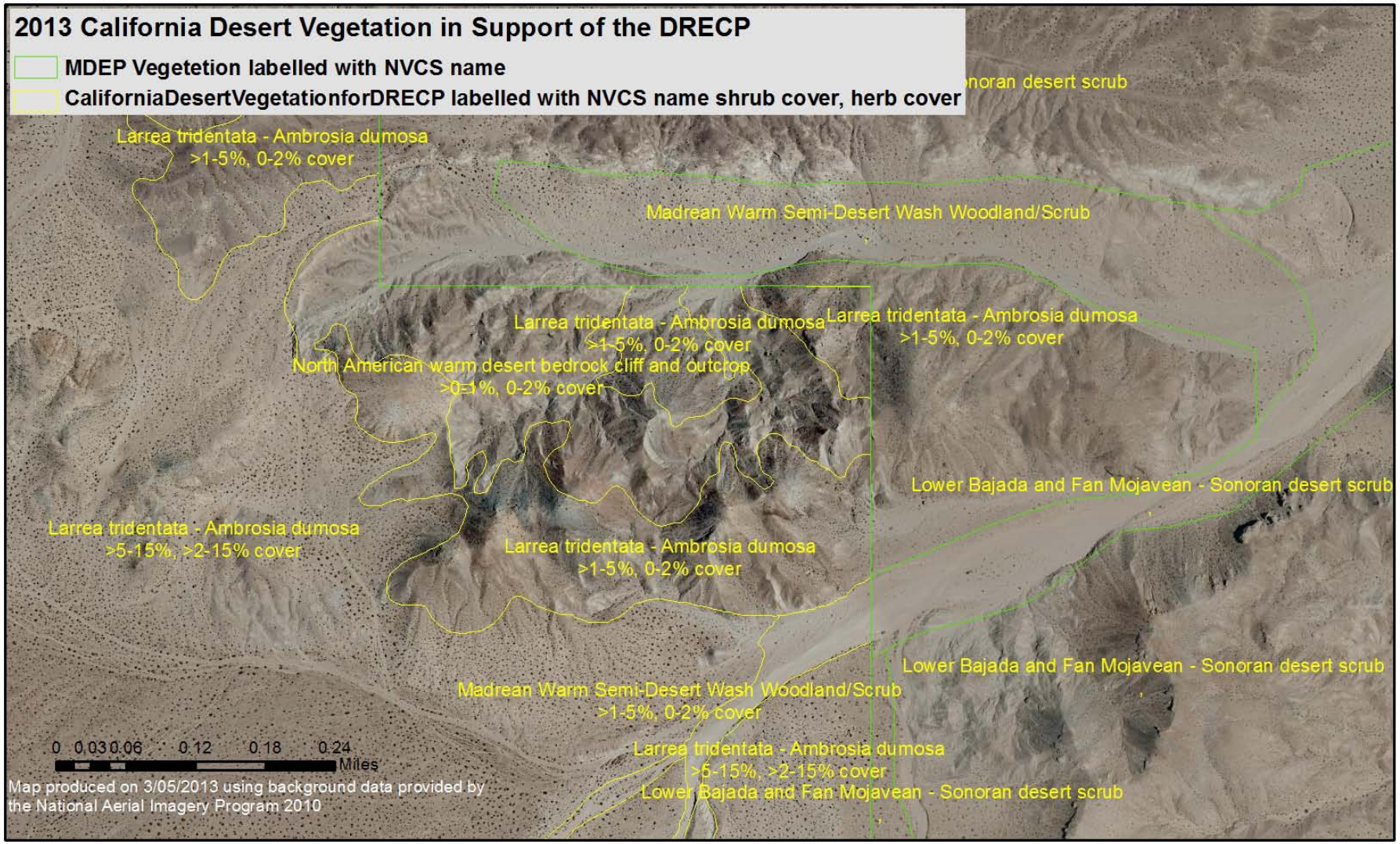
code	range
0	none visible
1	less than 33% of polygon affected and/or impact is seen but not affecting veg. density (as broken down here) or type
2	between 33%-66% of the polygon affected
3	> 66% of polygon affected
9	Not applicable when PI is 9801

Alliances nest into Groups and Macrogroups: DRECP is using groups



Vegetation mapping in DRECP area

MDEP vegetation map (2004) is more coarsely drawn and classified



GAP 08 data used for landcover outside mid/finescale mapped vegetation

Mojave Vegetation Mapping Contacts

For individual layers and final fine-scale mapping

Rosie Yacoub: Rosalie.yacoub@wildlife.ca.gov

http://www.dfg.ca.gov/biogeodata/vegcamp/

For DRECP seamed mapping data that includes natural communities, rare alliances, and locally rare occurrences specific to NCCP/DRECP planning contact

Serge Glushkoff: Serge.Glushkoff@wildlife.ca.gov

Diane Mastalir: Diane.Mastalir@wildlife.ca.gov