

3. Covered Species and Vegetation Communities

Multiple Species Conservation Program – North County Plan Materials for: Steering Committee Meeting #3

The Preserve design approach for the North County Plan is based on the concept of a Pre-Approved Mitigation Area or PAMA, within which the Preserve will be assembled. Various models and analyses were utilized to create the PAMA to ensure it included high biological value areas and corridors for the movement of species.

Furthermore, the County's analysis has ensured that the species included within the Plan provide umbrella coverage for important vegetation communities within the Plan Area. **Table 1** shows the 29 species that are currently proposed as covered species in the North County Plan, and also shows the major vegetation communities within which each species is expected to be located. As shown in **Table 1**, together, the 29 species can be found within the seven major vegetation communities that are located within the Plan Area as shown in **Figure 1**. Additional maps that show the range of each vegetation community with respect to the Plan Area are provided in **Figures 2 to 8**.

Table 1: Covered Species and Vegetation Communities

No.	Covered Species	Scrub	Chaparral	Grassland, Meadow and Seep	Vernal Pool	Bog and Marsh	Riparian and Bottomland Habitat	Upland Woodland and Forest
1	Harbison's dun skipper							
2	Hermes copper butterfly							
3	Quino checkerspot butterfly							
4	Riverside fairy shrimp							
5	San Diego fairy shrimp							
6	Arroyo toad							
7	Western spadefoot toad							
8	Southwestern pond turtle							
9	Coast horned lizard							
10	Coastal cactus wren							
11	Coastal California gnatcatcher							
12	Golden eagle							
13	Least Bell's vireo							
14	Southwestern willow flycatcher							
15	Tricolored blackbird							
16	Western Burrowing owl							
17	Western yellow-billed cuckoo							
18	Stephens' kangaroo rat							
19	Pallid bat							
20	Townsend's big-eared bat							
21	Del Mar manzanita							
22	Encinitas baccharis							
23	Engelmann oak							
24	Orcutt's spineflower							
25	San Diego ambrosia							
26	San Diego button-celery							
27	San Diego thornmint							
28	Spreading navarretia							
29	Thread-leaved brodiaea							

Figure 1: Vegetation Communities within Plan Area

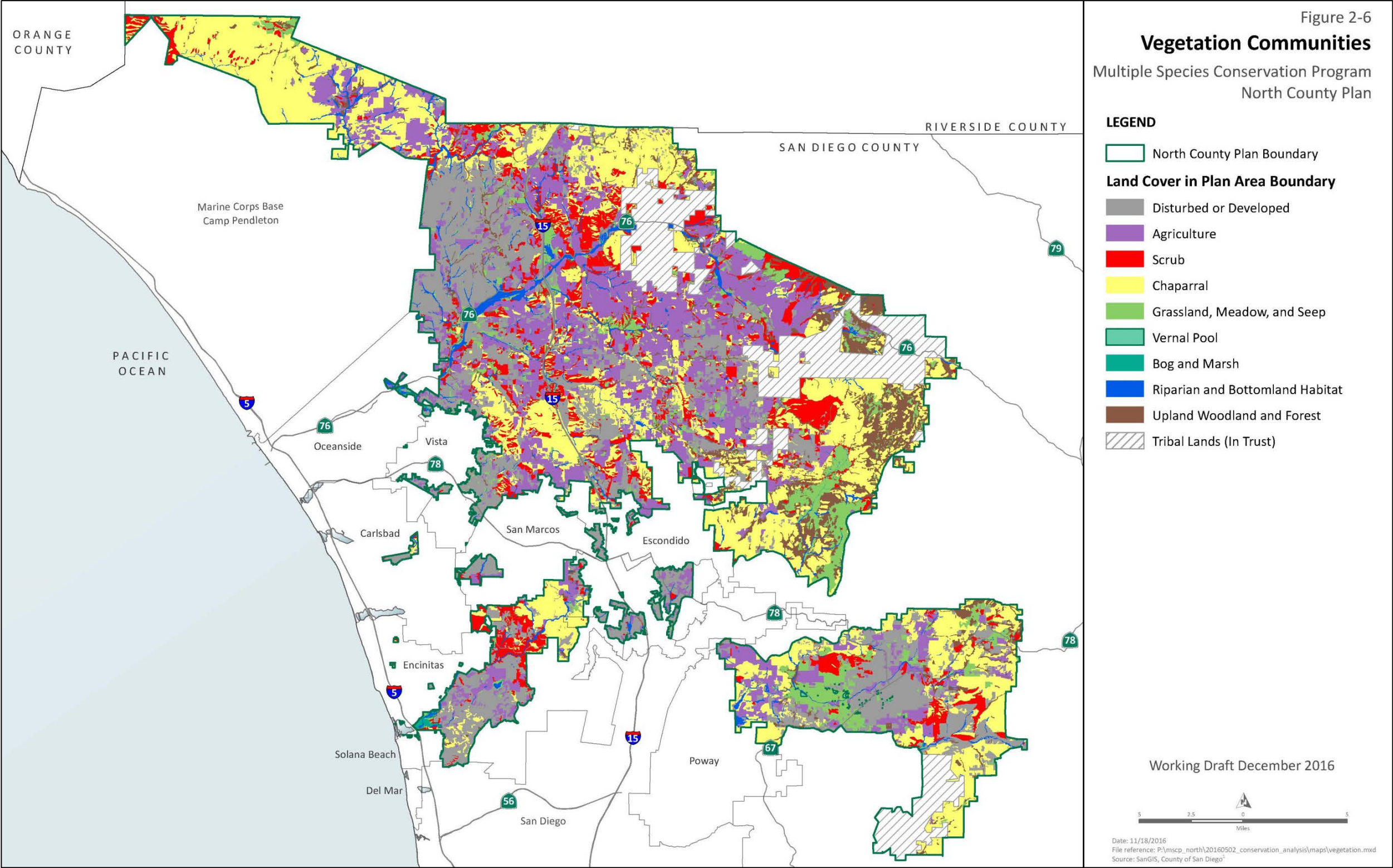
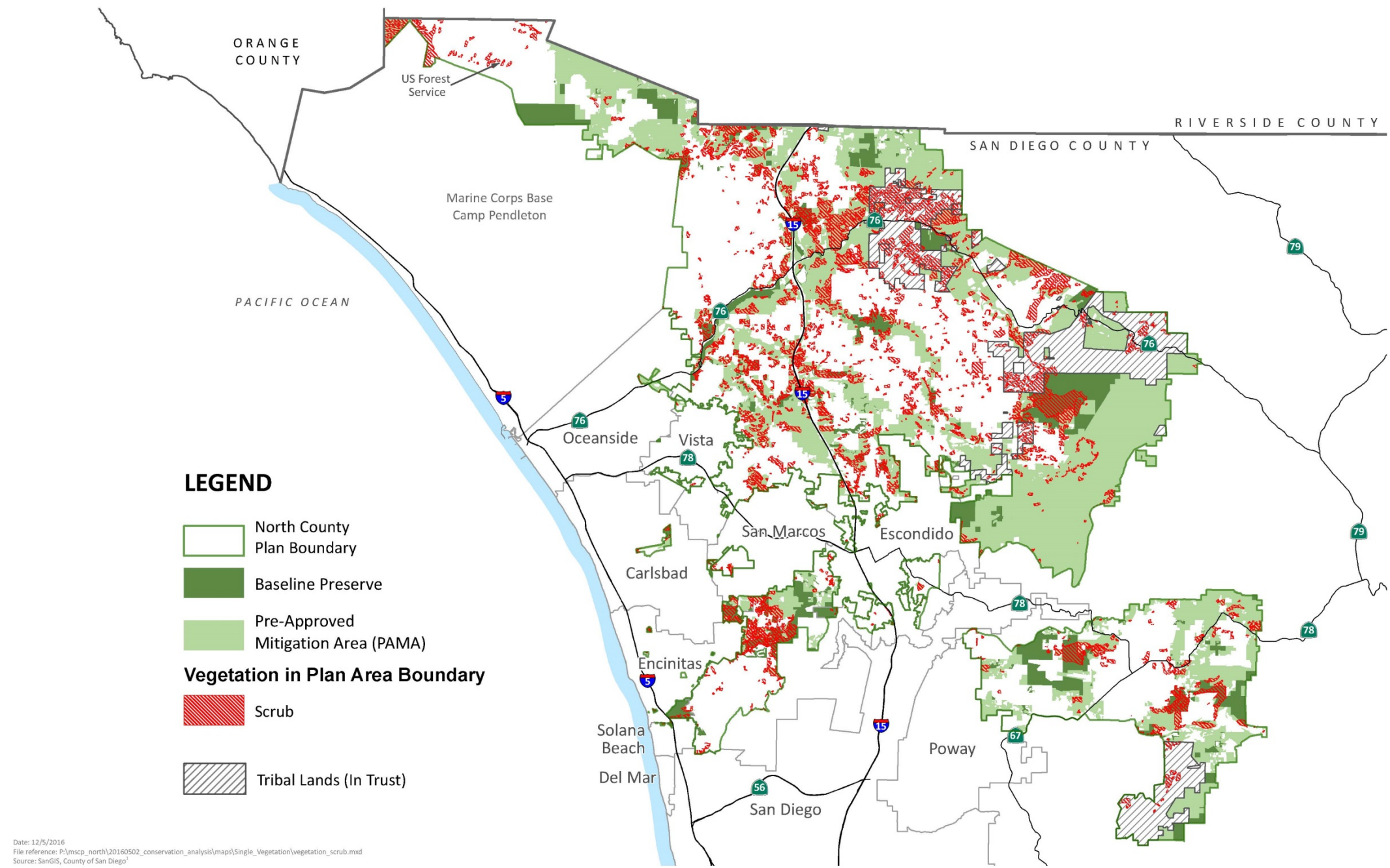


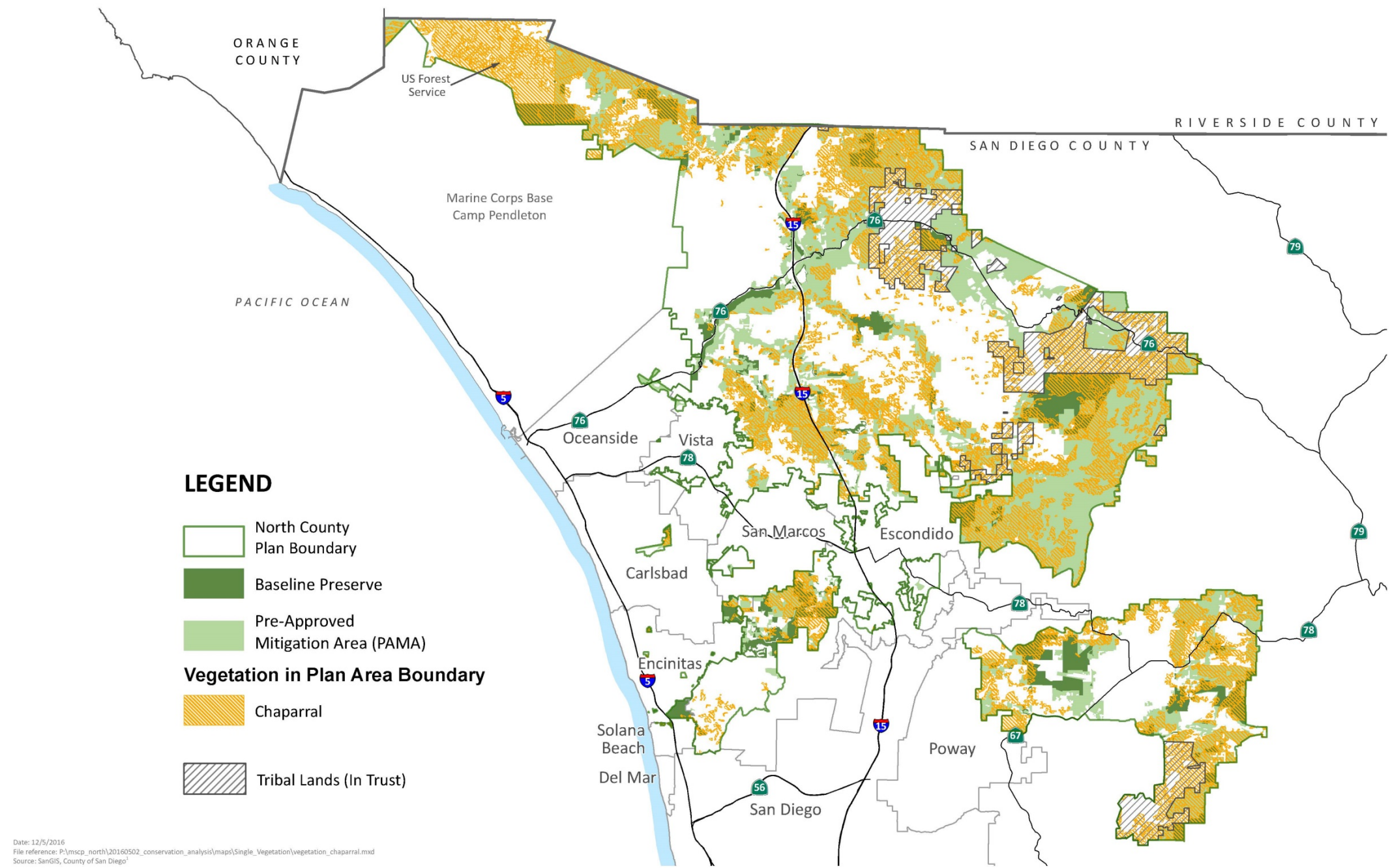
Figure 2: Scrub Vegetation Community within Plan Area



Scrub
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Figure B-VEG1
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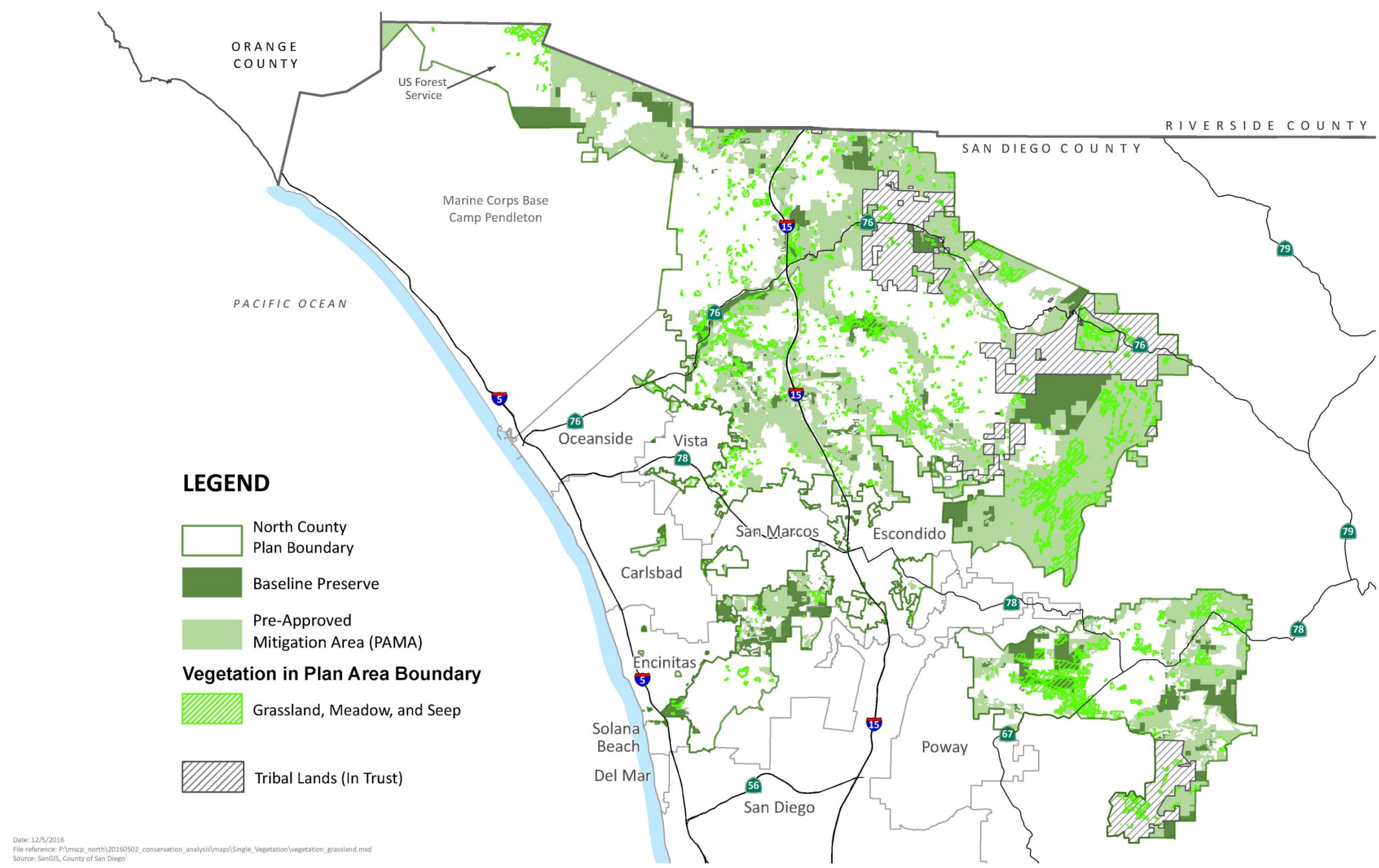
Figure 3: Chaparral Vegetation Community within Plan Area



Chaparral
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Figure B-VEG2
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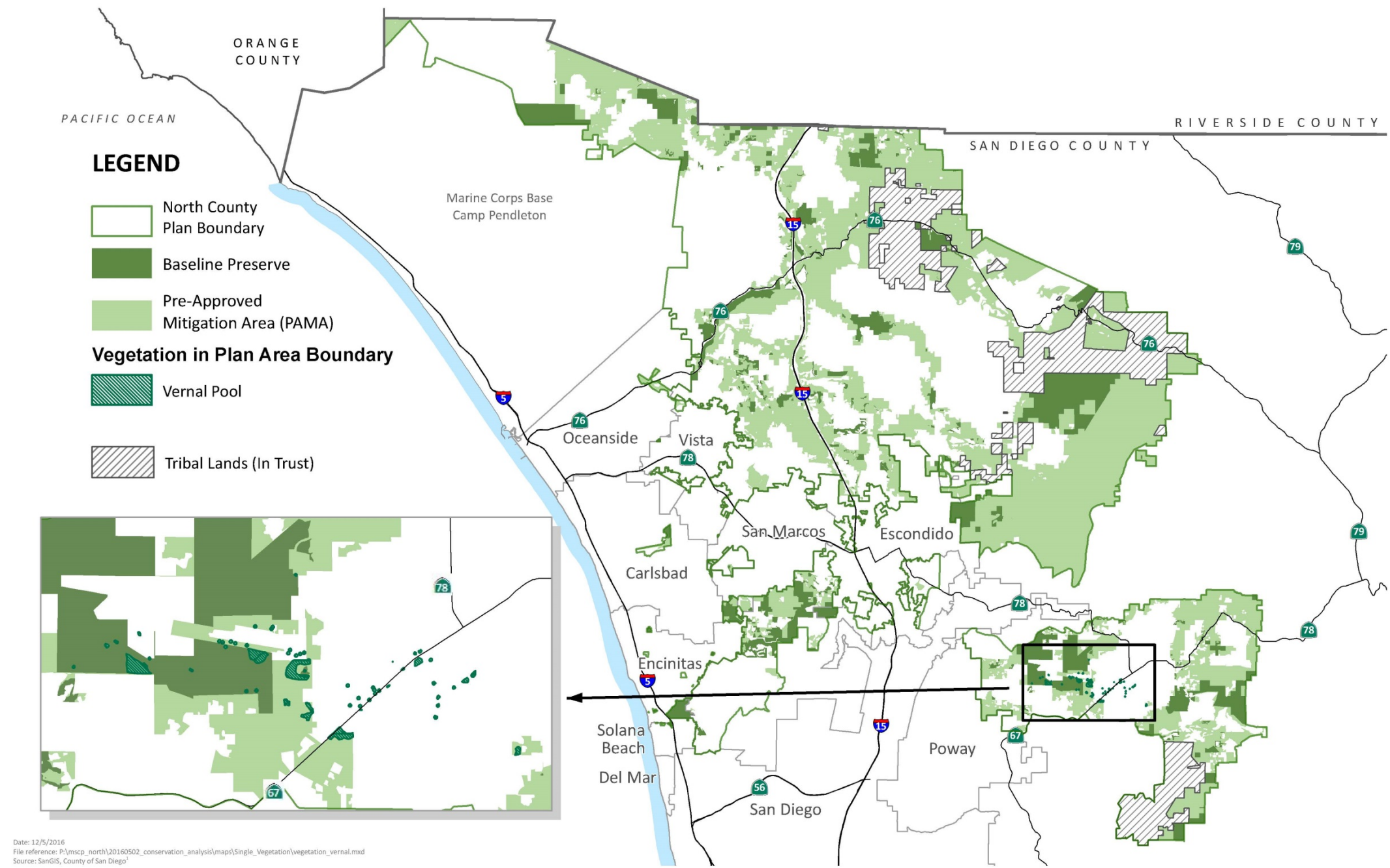
Figure 4: Grassland, Meadow and Seep Vegetation Communities within Plan Area



Grassland, Meadow, and Seep
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Figure 5: Vernal Pool Vegetation Community within Plan Area



Vernal Pools
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Figure 6: Vernal Pool Vegetation in Ramona within Plan Area

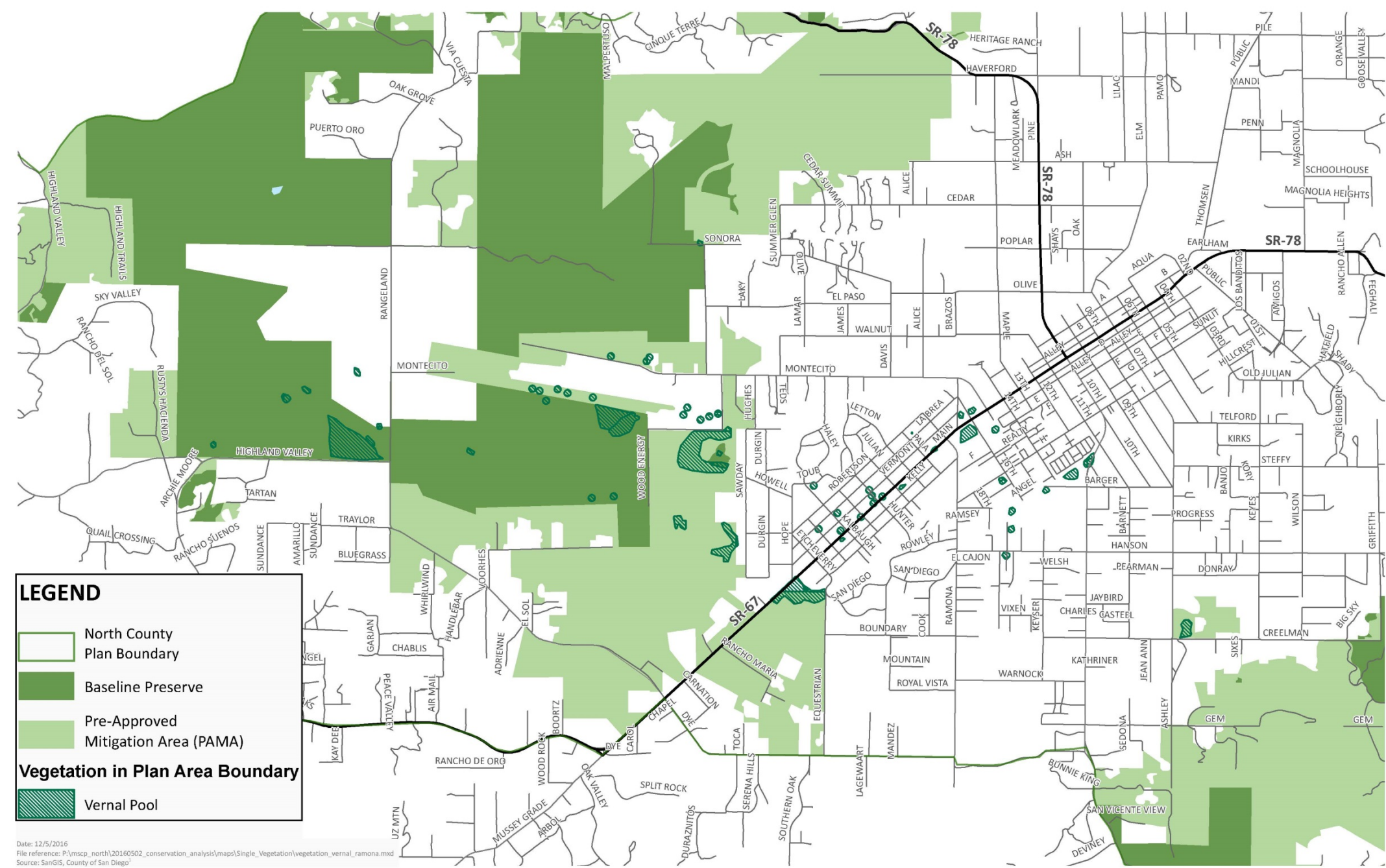
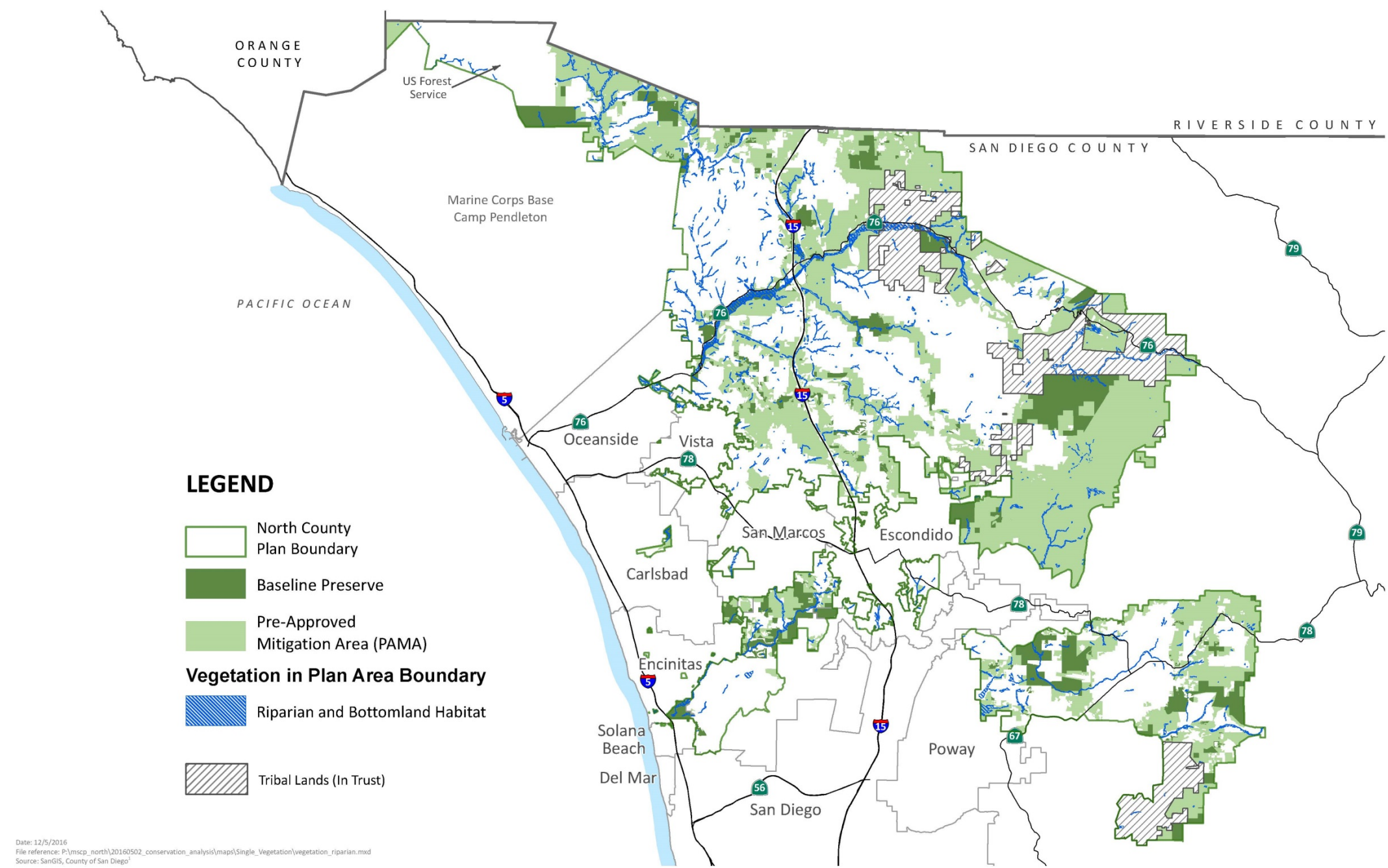


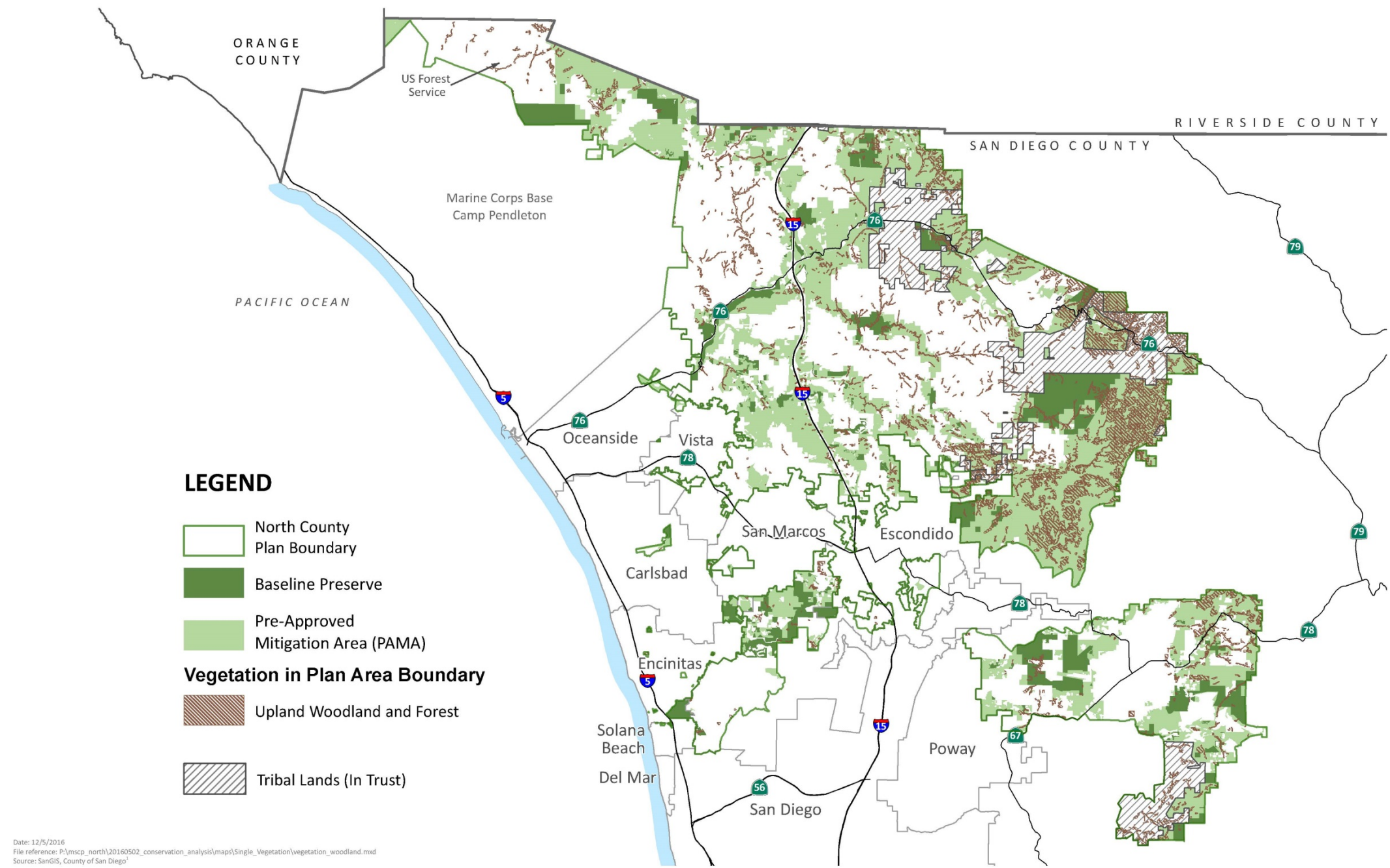
Figure 7: Riparian and Bottomland Vegetation Communities within Plan Area



Riparian and Bottomland Habitat
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Figure 8: Upland Woodland and Forest Vegetation Communities within Plan Area



Upland Woodland and Forest
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Figure B-VEG7
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