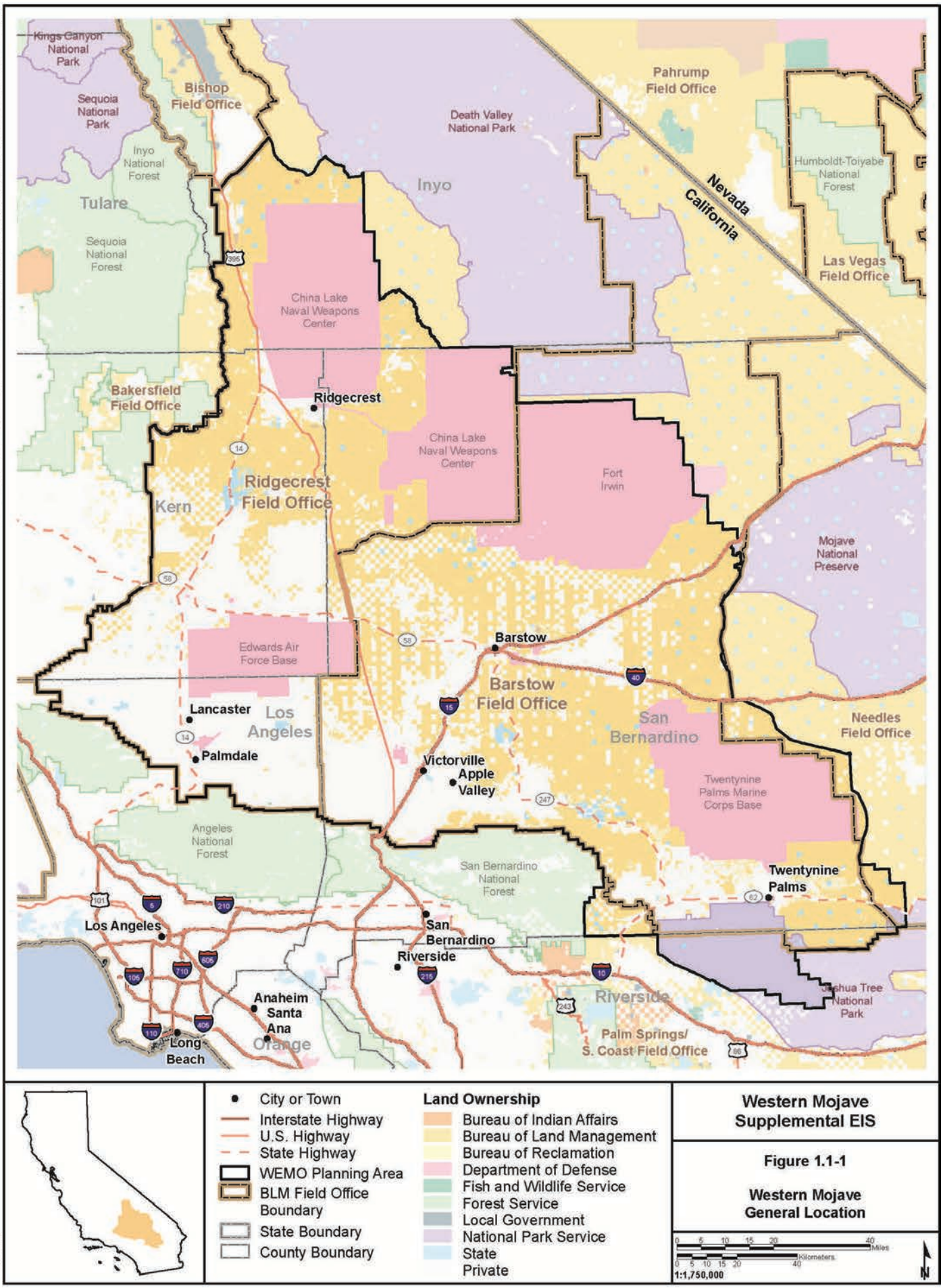
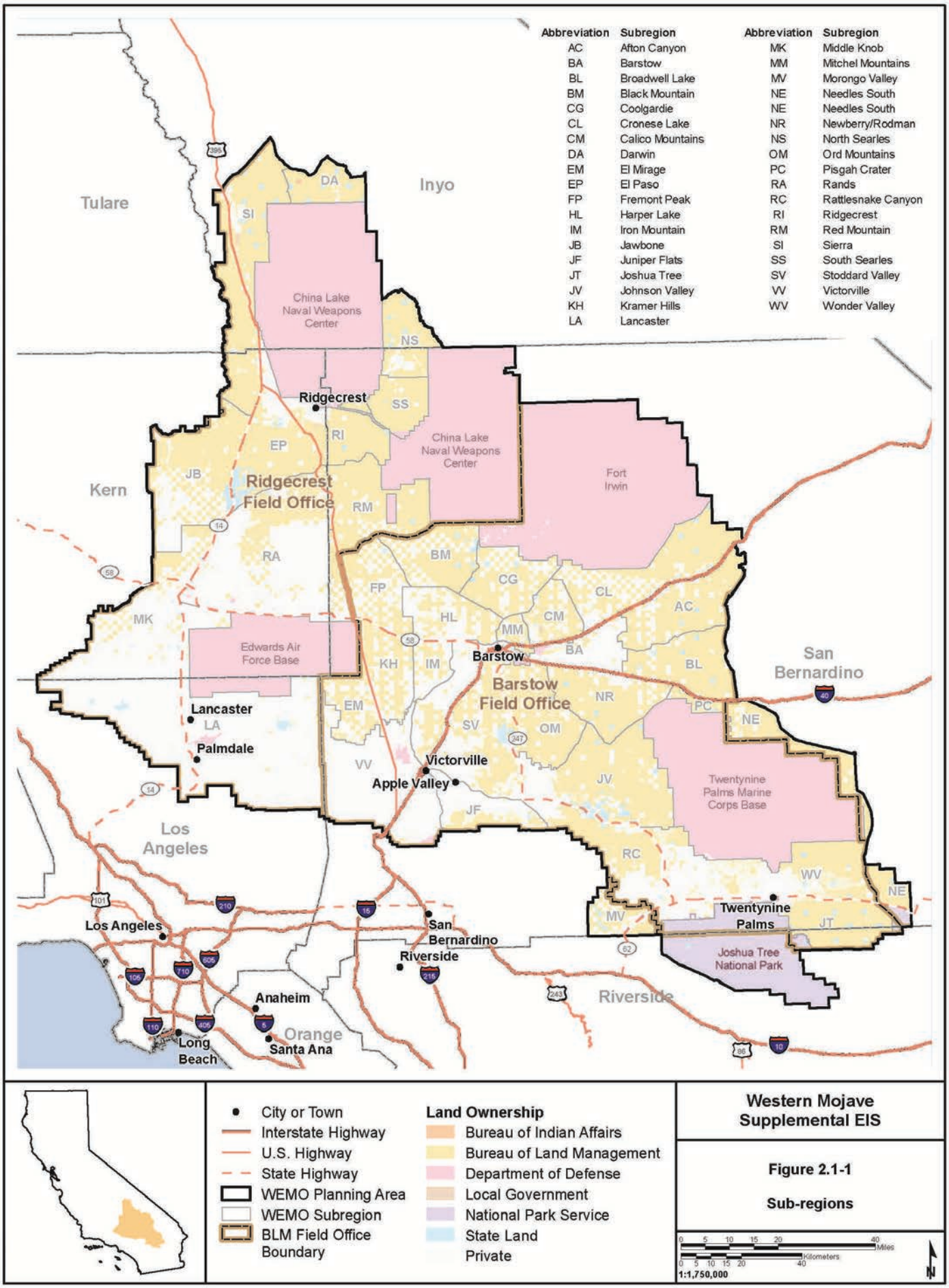


Western Mojave Supplemental EIS

Figure 1.1-1

Western Mojave General Location



Western Mojave Supplemental EIS

Figure 2.1-1

Sub-regions

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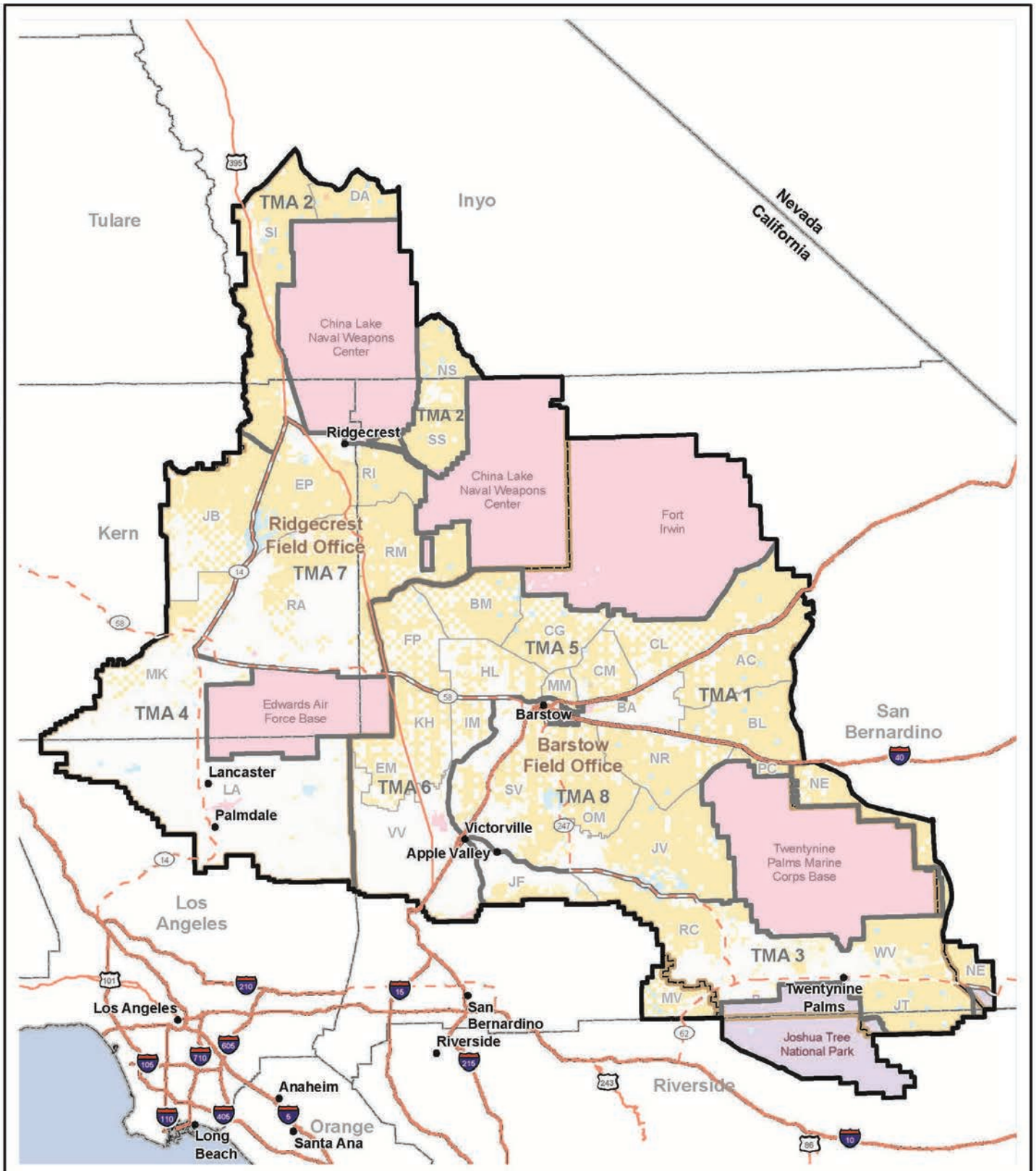
11/4/2014



City or Town
Interstate Highway
U.S. Highway
State Highway
WEMO Planning Area
WEMO Travel Management Area (Alternatives 2 and 3)
WEMO Subregion
BLM Field Office Boundary

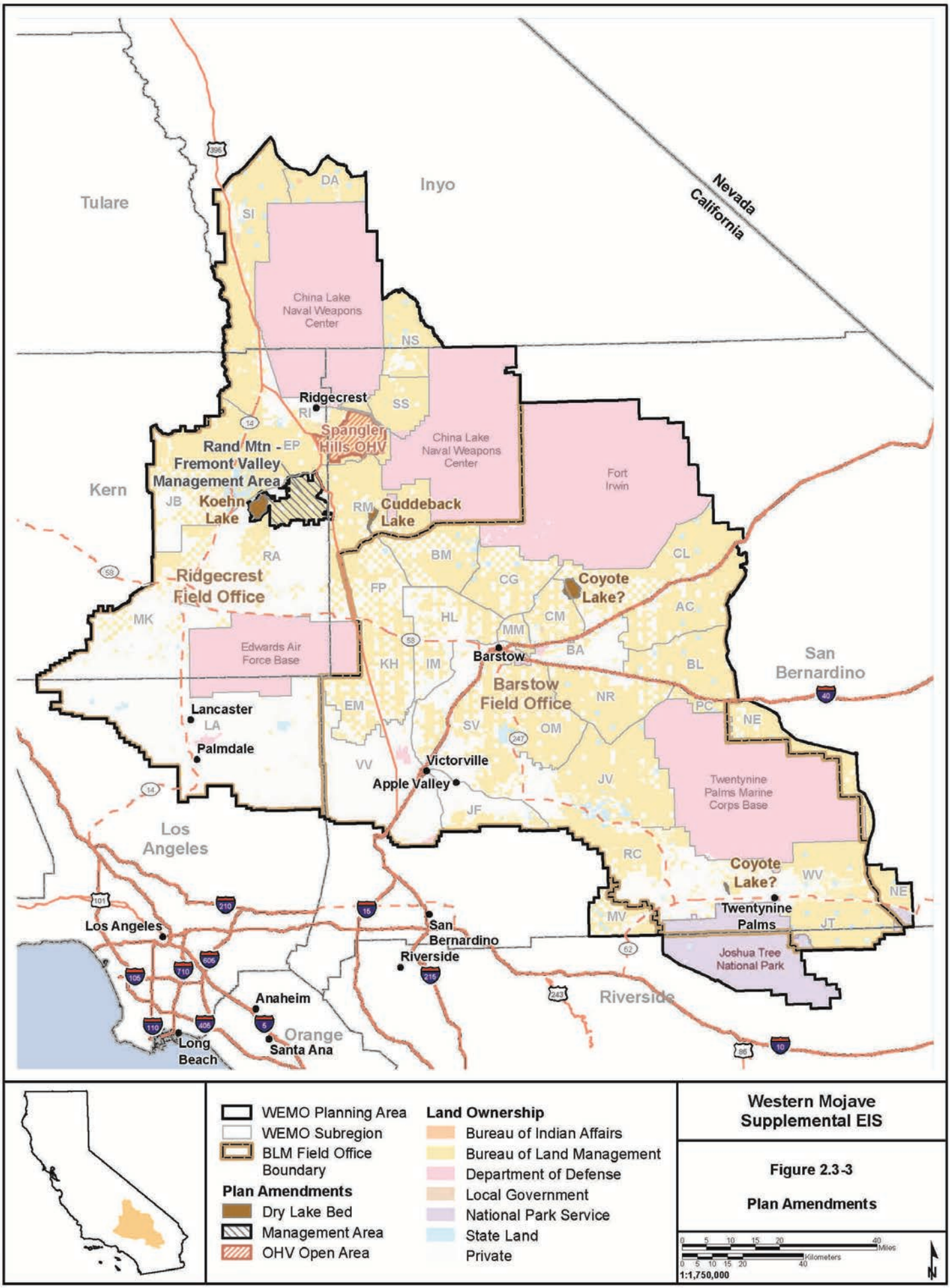
Land Ownership
Bureau of Indian Affairs
Bureau of Land Management
Department of Defense
Local Government
National Park Service
State Land
Private

Western Mojave Supplemental EIS

Figure 2.3-2

Travel Management Areas Associated with Alternatives 2 and 3

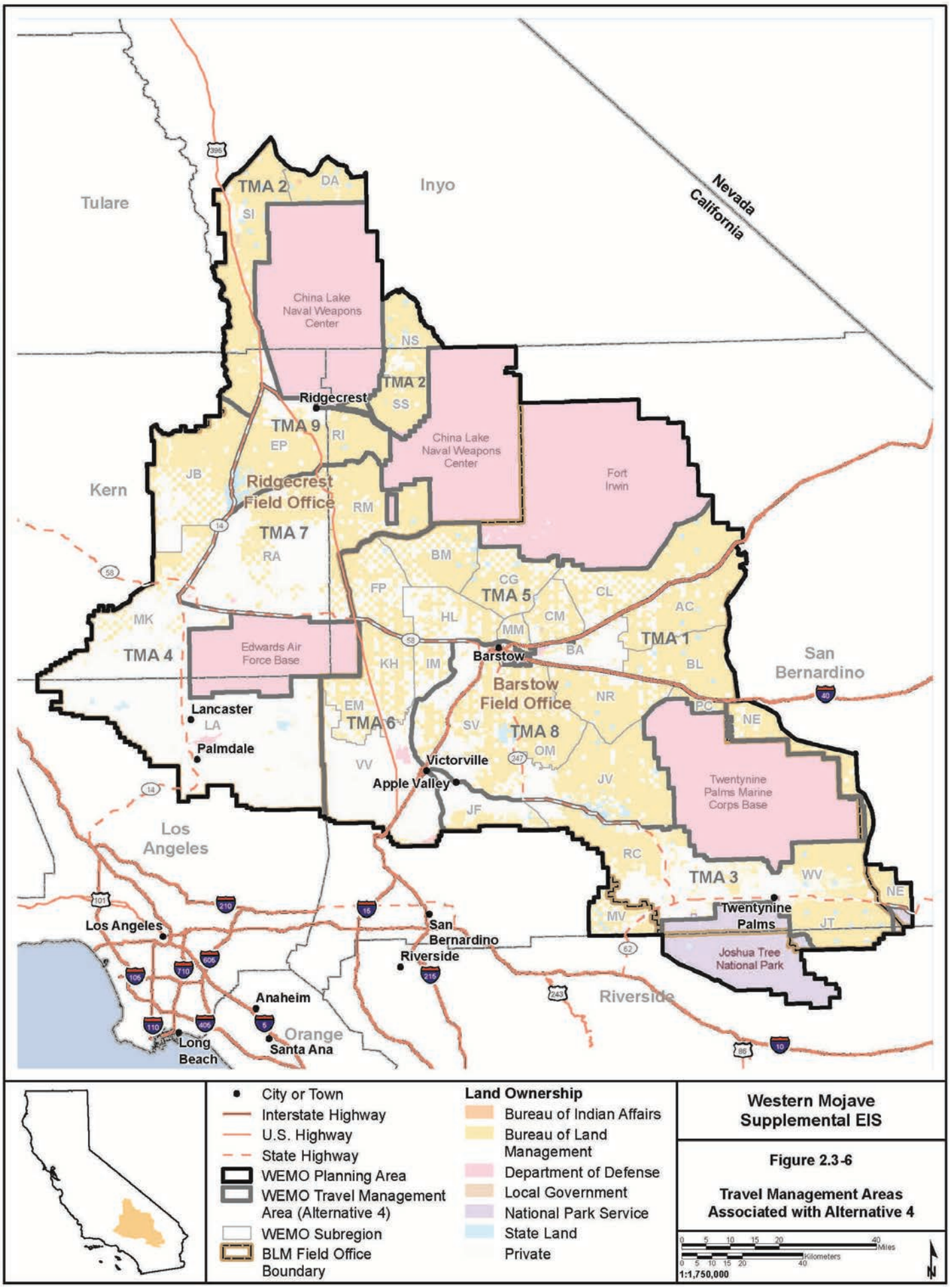
0 5 10 15 20 40 Miles
0 5 10 15 20 40 Kilometers
1:1,750,000
N



Western Mojave Supplemental EIS

Figure 2.3-3

Plan Amendments



Western Mojave Supplemental EIS

Figure 2.3-6

Travel Management Areas Associated with Alternative 4

X:\Projects\BLM_WEMO_SEIS_60278490\Figs\DOC1_PDF\IS\Figure 2_03-06_TMAs_All4.mxd

11/4/2014

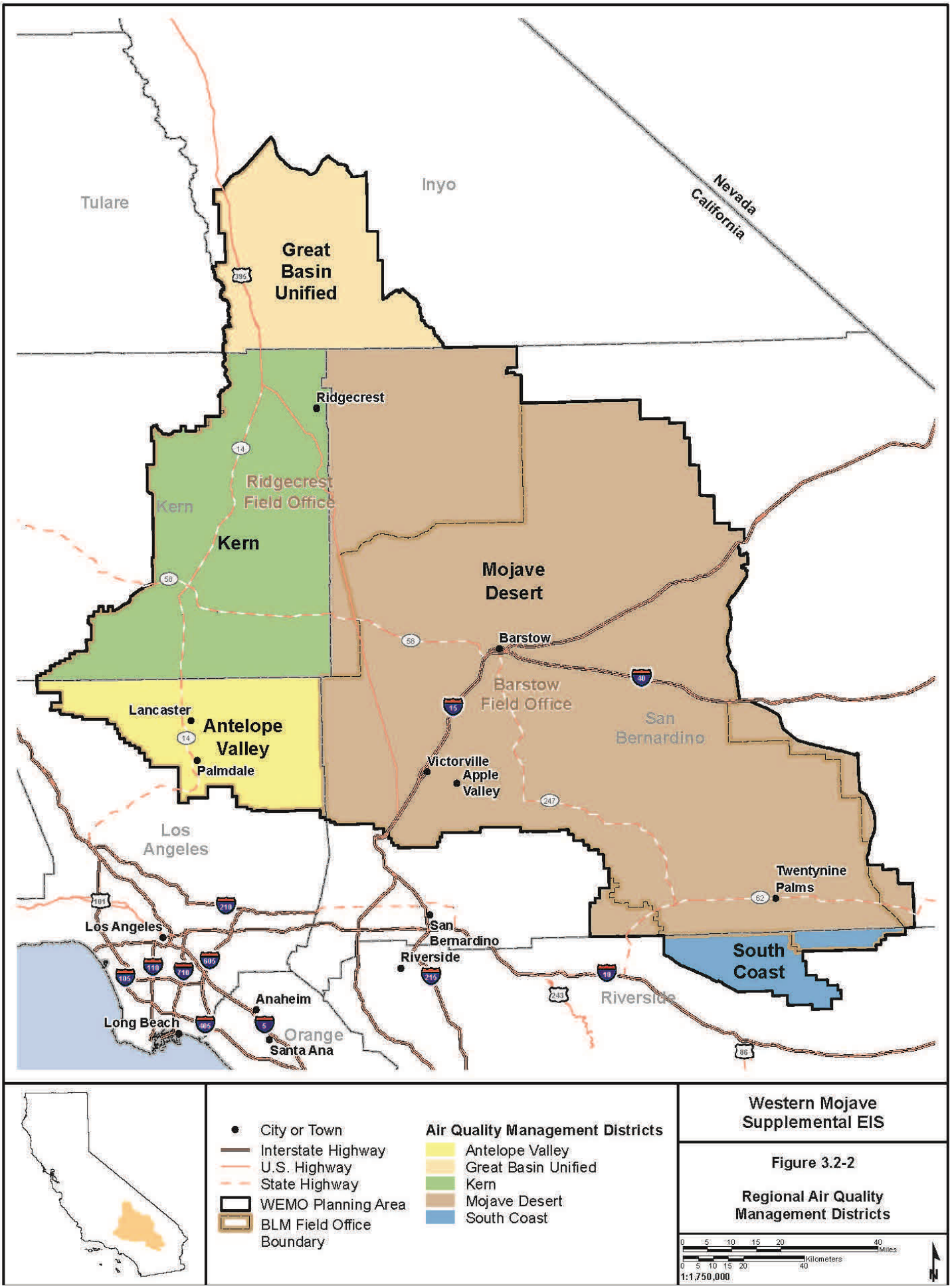
Western Mojave Supplemental EIS

Figure 3.2-1

Great Basin Valleys (GBVAB), Mojave Desert (MDAB) and Salton Sea (SSAB) Air Basins

X:\0Projects\BLM WEMO SEIS 60278480\FIGs\DOC1 PDEIS\Figure 3 02-01 AirBasins.mxd

11/4/2014



Western Mojave Supplemental EIS

Figure 3.2-2

Regional Air Quality Management Districts

X:\0Projects\BLM WEMO SEIS 60278480\Figs\DOC\1 PDEIS\Figure 3 02-02 AirDistricts.mxd

11/4/2014

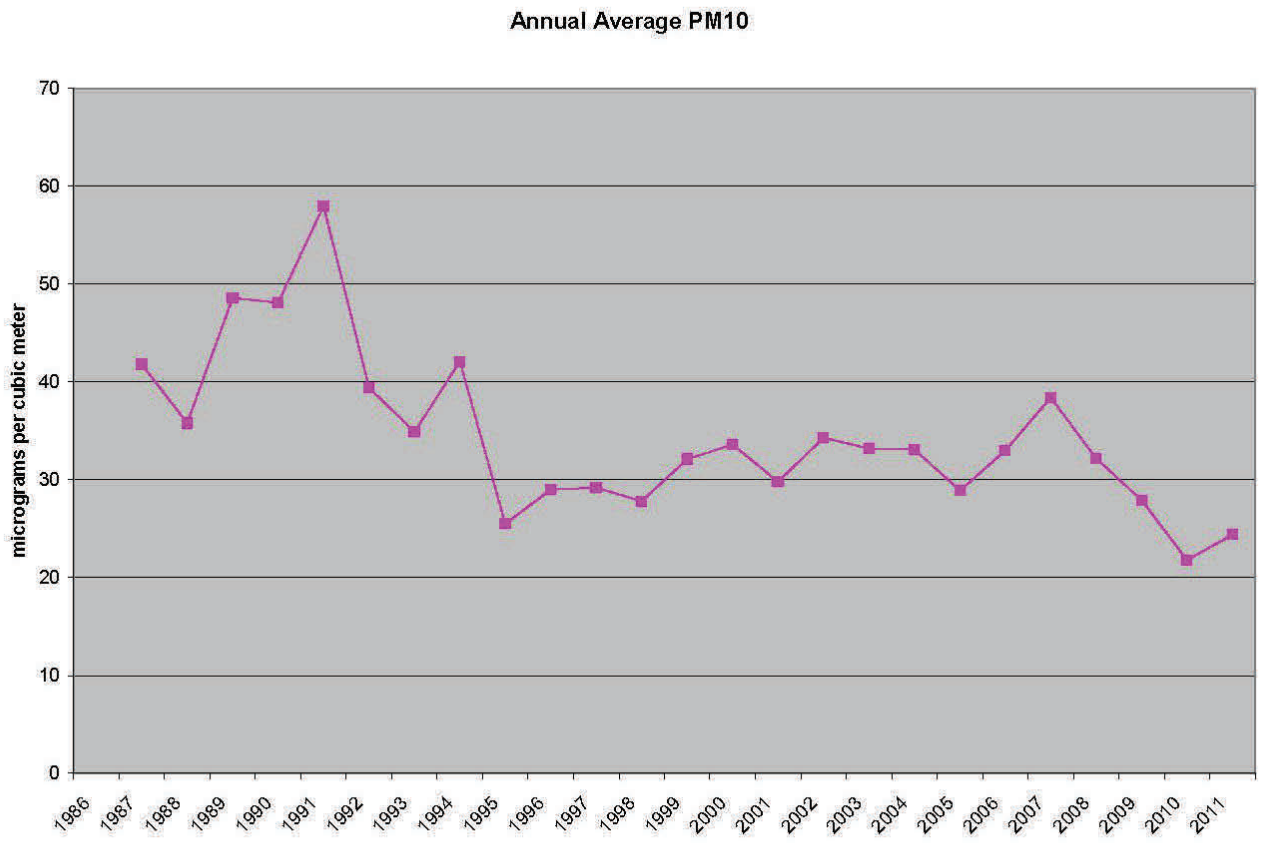


Figure 3.2-3 Trend in Annual Average PM10 Concentrations

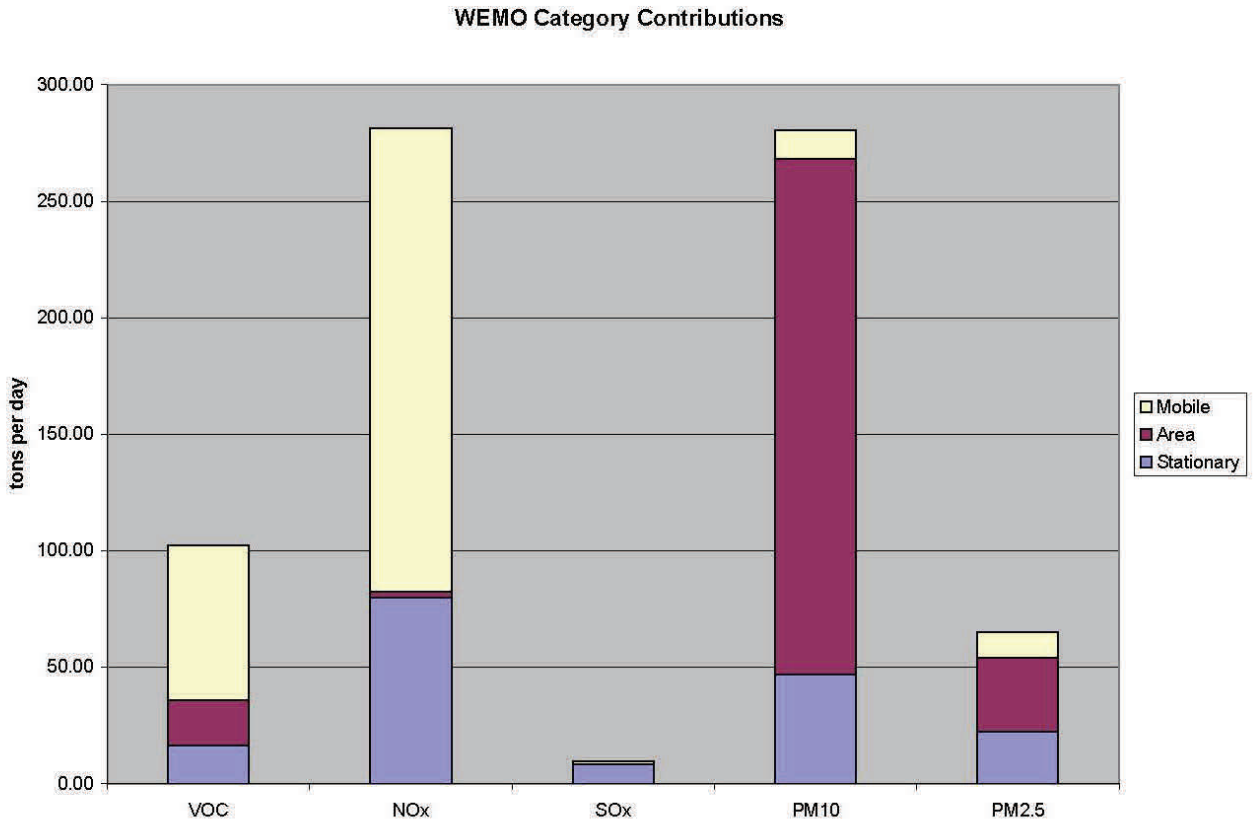
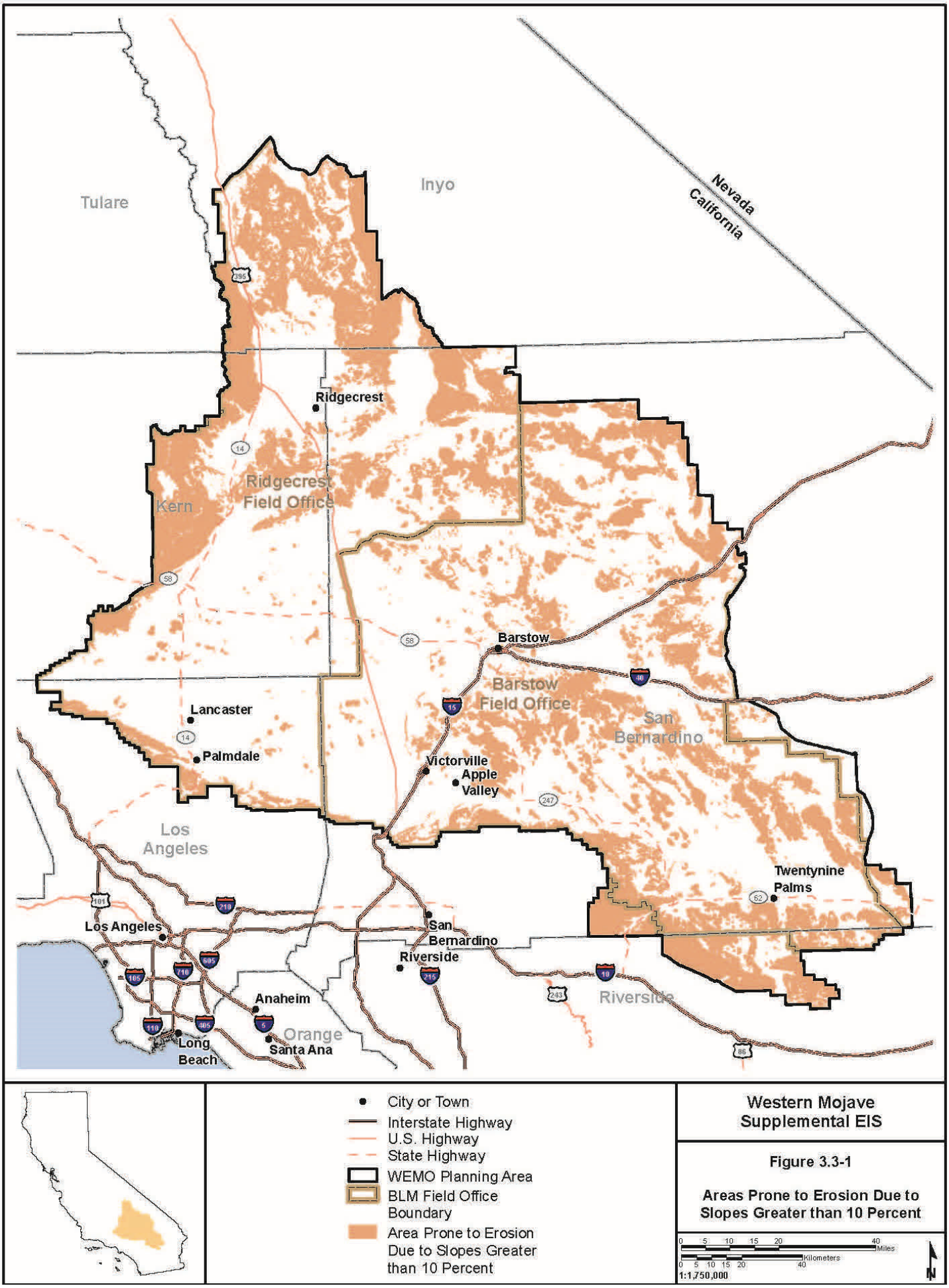


Figure 3.2-4 Relative Concentrations of Mobile, Area, and Stationary Air Emission Sources in WEMO Planning Area



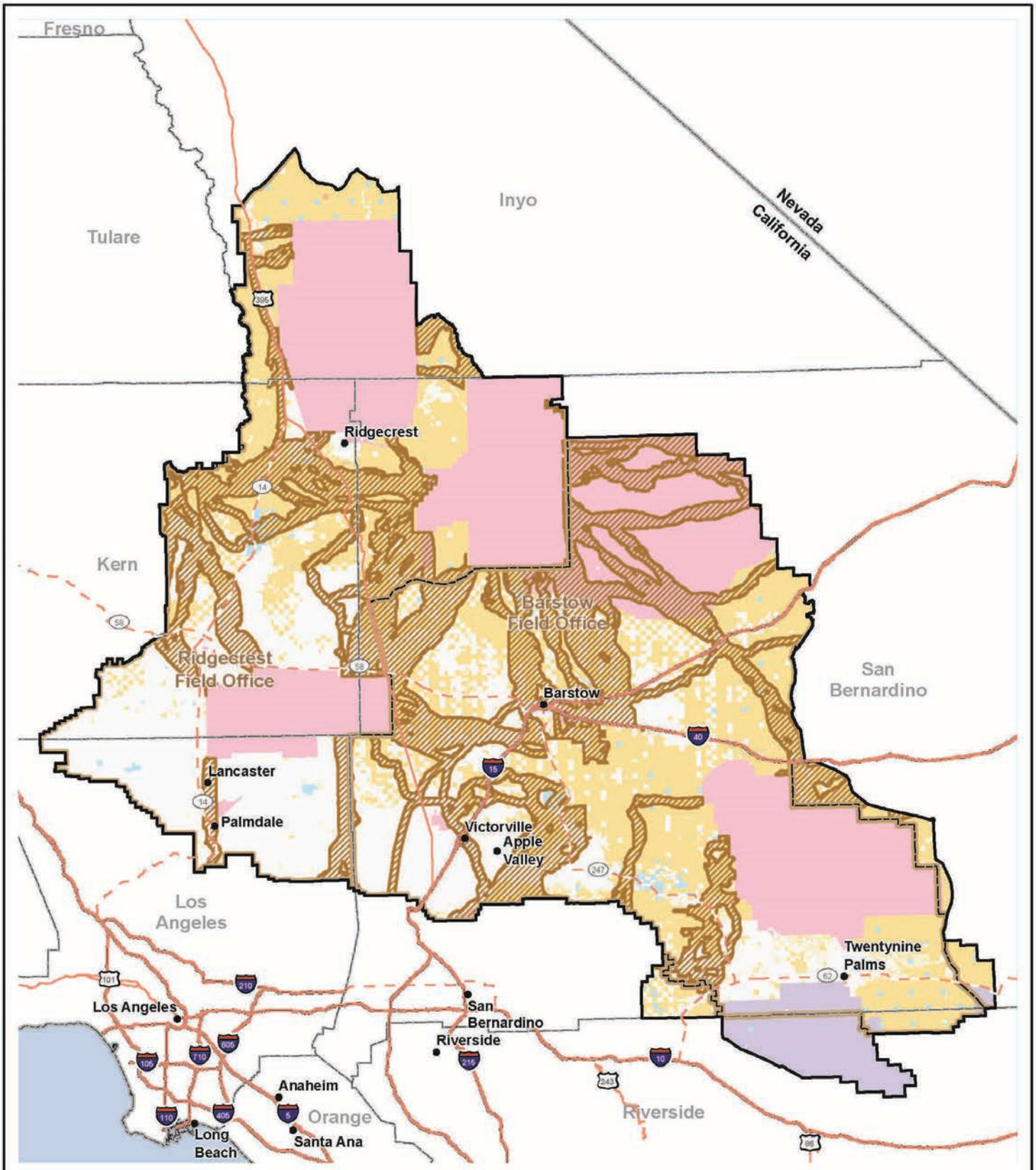
Western Mojave Supplemental EIS

Figure 3.3-1

Areas Prone to Erosion Due to Slopes Greater than 10 Percent

X:\0Projects\BLM WEMO SEIS 60278480\FIGs\DOC\1 PDEIS\Figure 3 03-01 SoilErosion.mxd

11/4/2014



Desert Linkage Network
WEMO Planning Area
BLM Field Office Boundary
Interstate Highway
U.S. Highway
State Highway

Land Ownership
Bureau of Indian Affairs
Bureau of Land Management
Department of Defense
Local Government
National Park Service
State Land
Private

Western Mojave Supplemental EIS

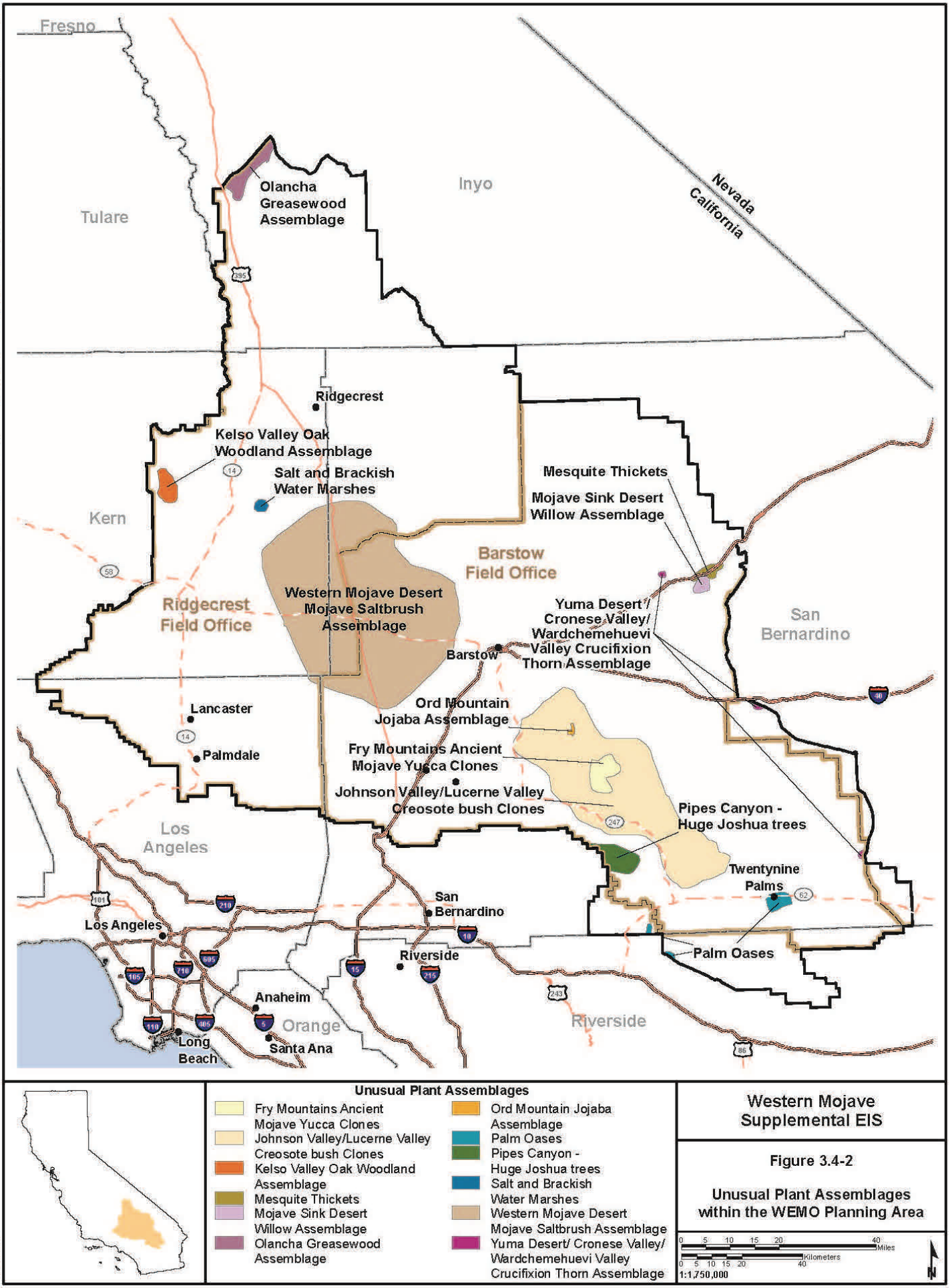
Figure 3.4-1

Desert Linkage Network within the WEMO Planning Area

0 5 10 15 20 40 Miles
0 5 10 15 20 40 Kilometers
1:1,750,000
N

X:\0Projects\BLM_WEMO_SEIS_60078400\FIGS\DOC1_PDFIS\Figure_3_04-01_Desert_Linkages.mxd

11/4/2014



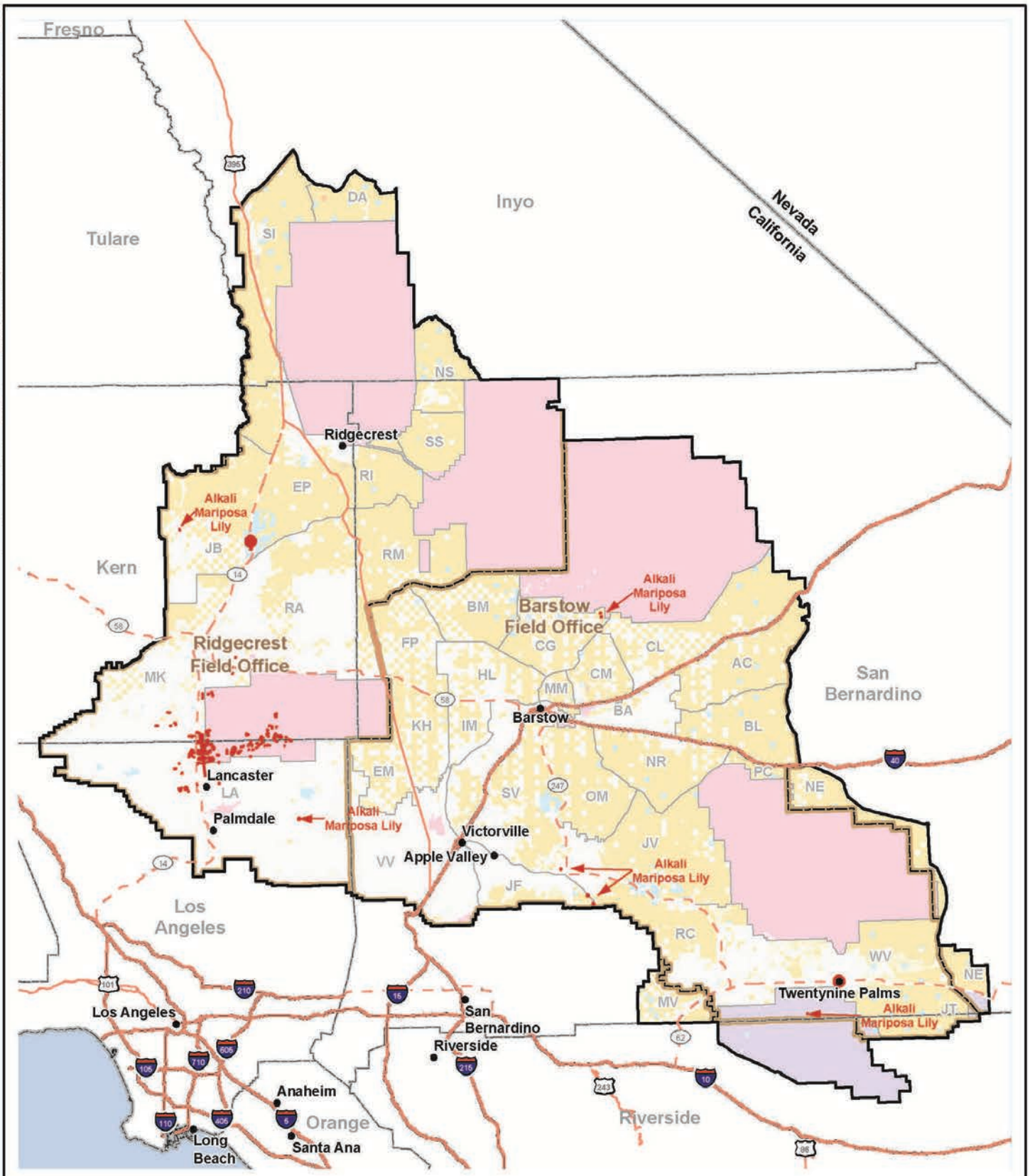
Western Mojave Supplemental EIS

Figure 3.4-2

Unusual Plant Assemblages within the WEMO Planning Area

x:\0Projects\BLM_WEMO_SES_60278490\FIGs\DOC\1_PDEIS\Figure_3_04-02_UnusualPlantAssemblages.mxd

11/4/2014



Alkali Mariposa Lily*
WEMO Planning Area
WEMO Subregion
BLM Field Office Boundary
Interstate Highway
U.S. Highway
State Highway

Land Ownership
Bureau of Indian Affairs
Bureau of Land Management
Department of Defense
Local Government
National Park Service
State Land
Private

*Includes: California Natural Diversity Database.

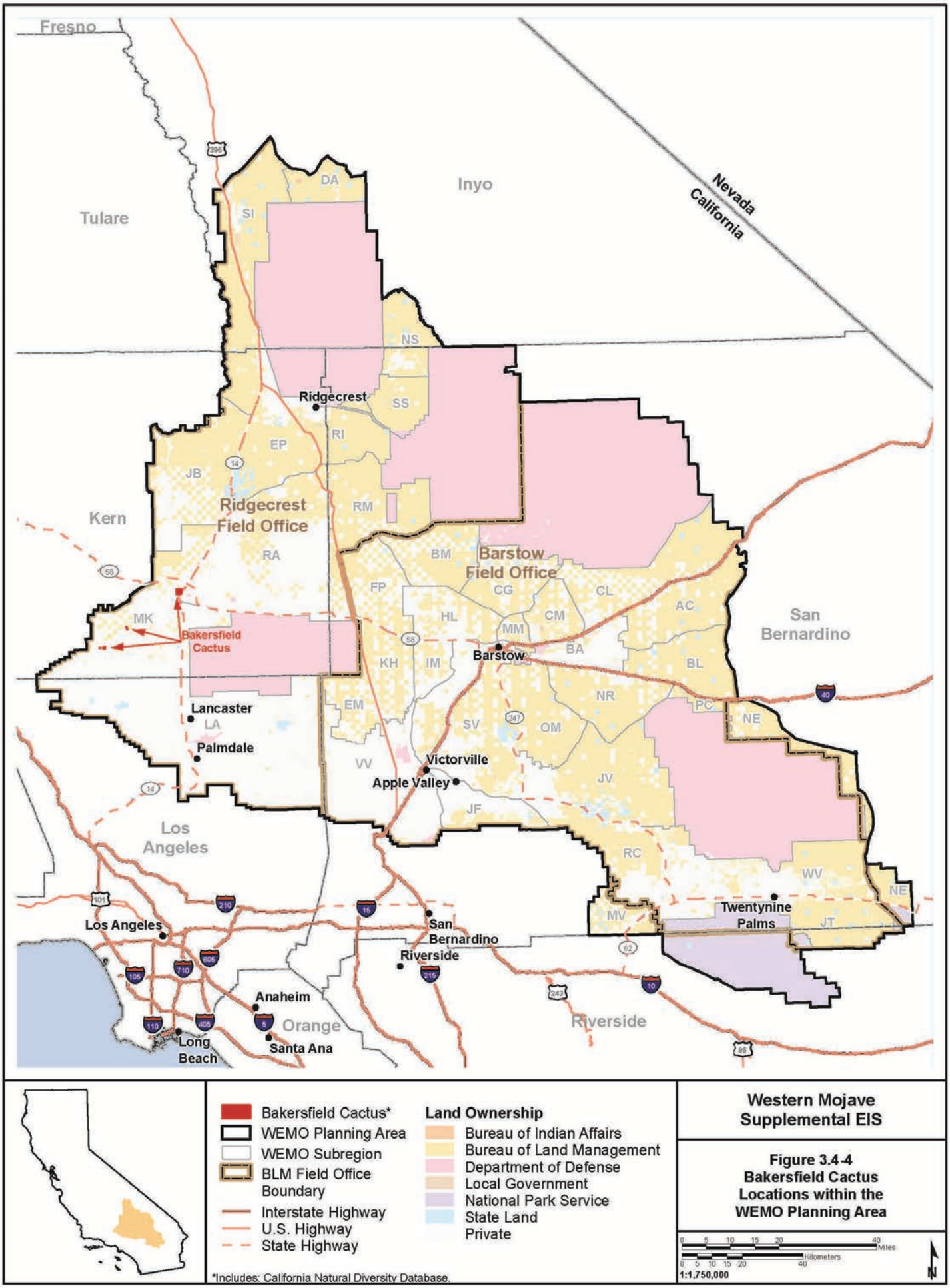
Western Mojave Supplemental EIS

Figure 3.4-3
Alkali Mariposa Lily Locations within the WEMO Planning Area

0 5 10 15 20 40 Miles
0 5 10 15 20 40 Kilometers
1:1,750,000
N

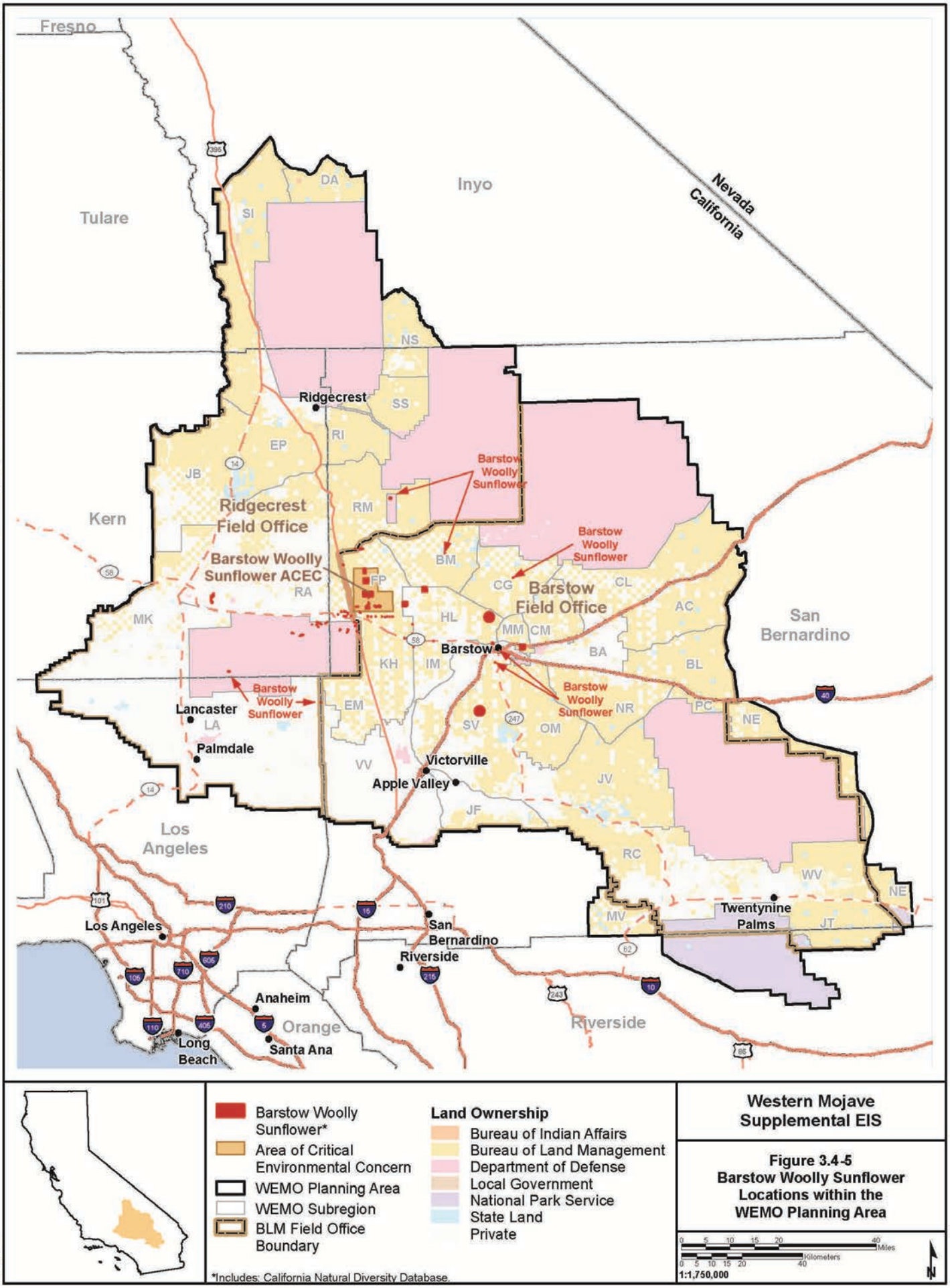
X:\0Projects\BLM_WEMO_SEIS_60278490\FIGs\DOC\1_PDEIS\Figure_3_04-03_AlkaliMariposaLily.mxd

11/4/2014



Western Mojave Supplemental EIS

Figure 3.4-4
Bakersfield Cactus Locations within the WEMO Planning Area



Western Mojave Supplemental EIS

Figure 3.4-5
Barstow Woolly Sunflower Locations within the WEMO Planning Area

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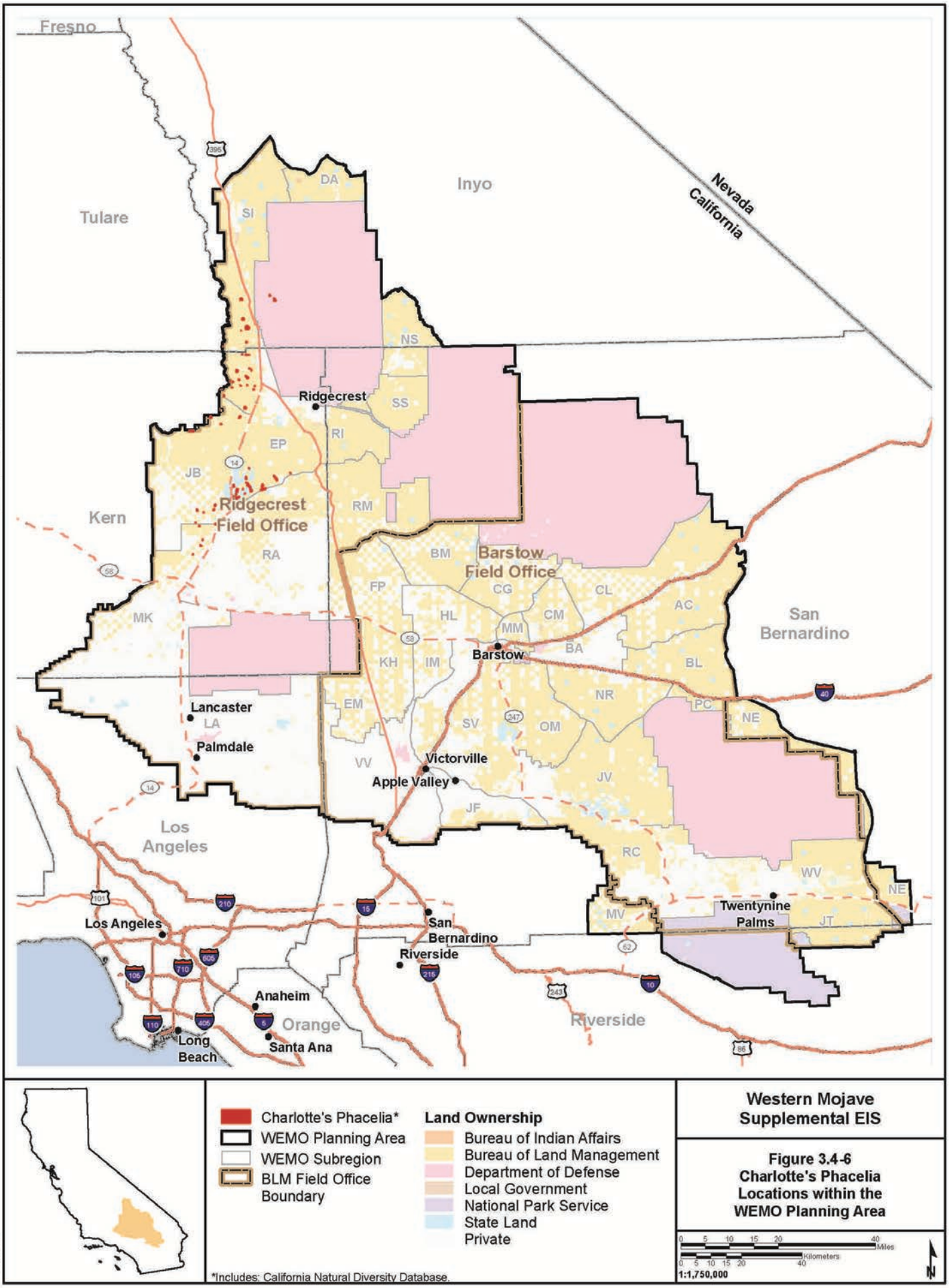
11/4/2014

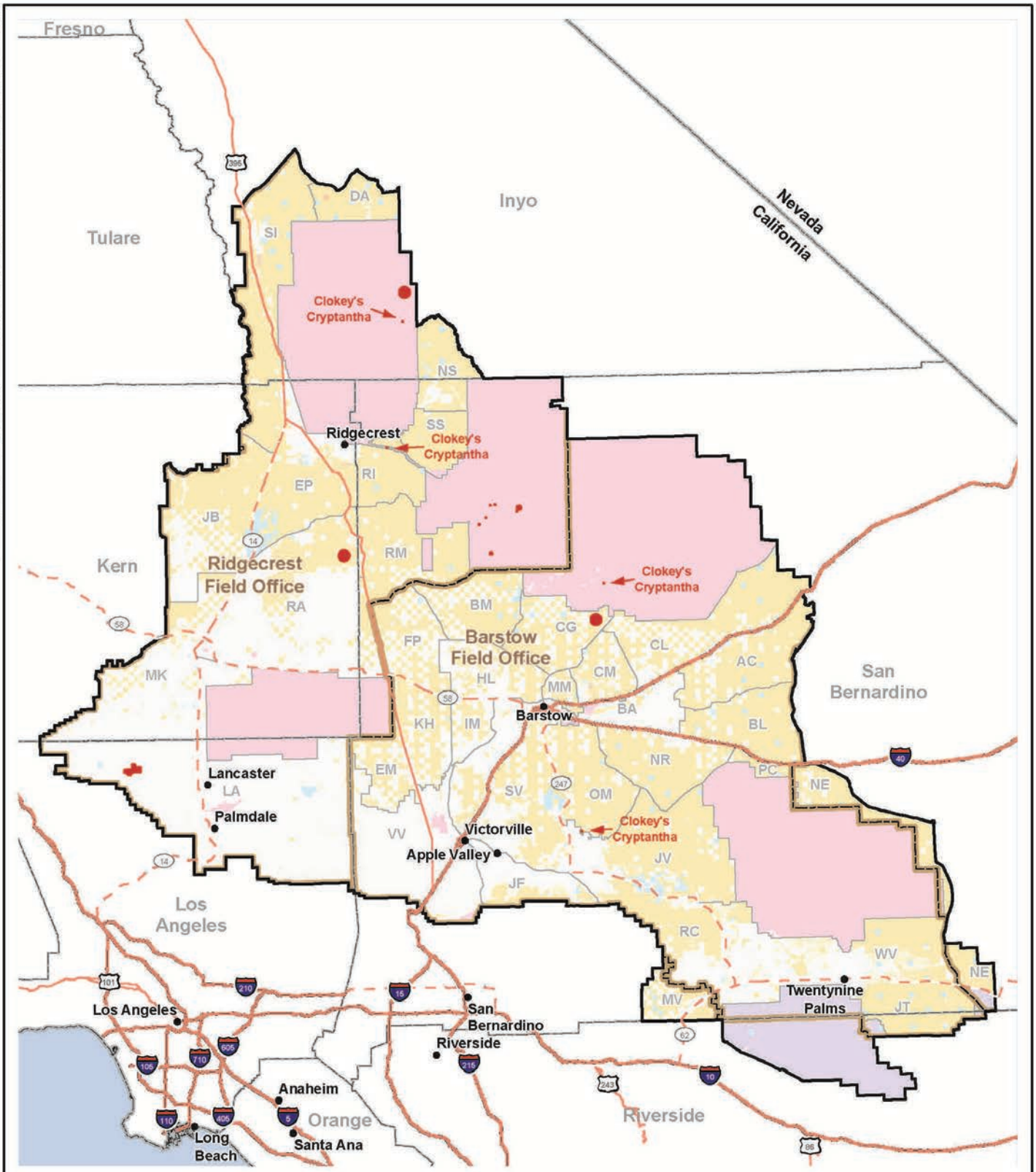


Western Mojave Supplemental EIS

Figure 3.4-6
Charlotte's Phacelia Locations within the WEMO Planning Area

X:\0Projects\BLM WEMO SEIS 60278490\FIGs\DOC\1 PDEIS\Figure 3 04-06 CharlottesPhacelia.mxd

11/4/2014



Clokey's Cryptantha*
WEMO Planning Area
WEMO Subregion
BLM Field Office Boundary
Interstate Highway
U.S. Highway
State Highway

Land Ownership
Bureau of Indian Affairs
Bureau of Land Management
Department of Defense
Local Government
National Park Service
State Land
Private

*Includes: California Natural Diversity Database.

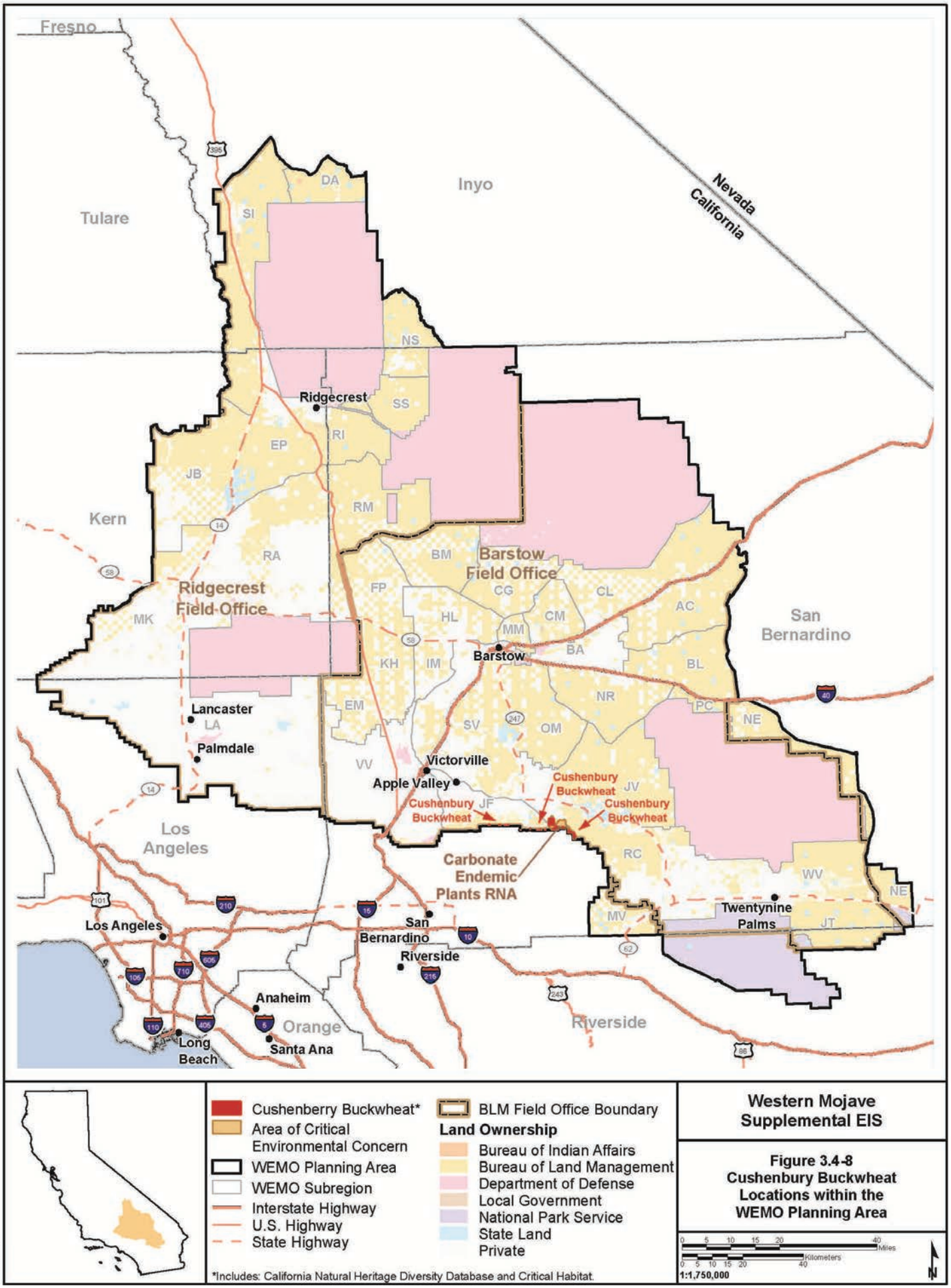
Western Mojave Supplemental EIS

Figure 3.4-7
Clokey's Cryptantha Locations within the WEMO Planning Area

0 5 10 15 20 40 Miles
0 5 10 15 20 40 Kilometers
1:1,750,000

X:\0Projects\BLM WEMO SEIS 60278490\Figs\DOC\1 FDEIS\Figure 3 04-07 ClokeysCryptantha.mxd

11/4/2014



Western Mojave Supplemental EIS

Figure 3.4-8
Cushenbury Buckwheat Locations within the WEMO Planning Area

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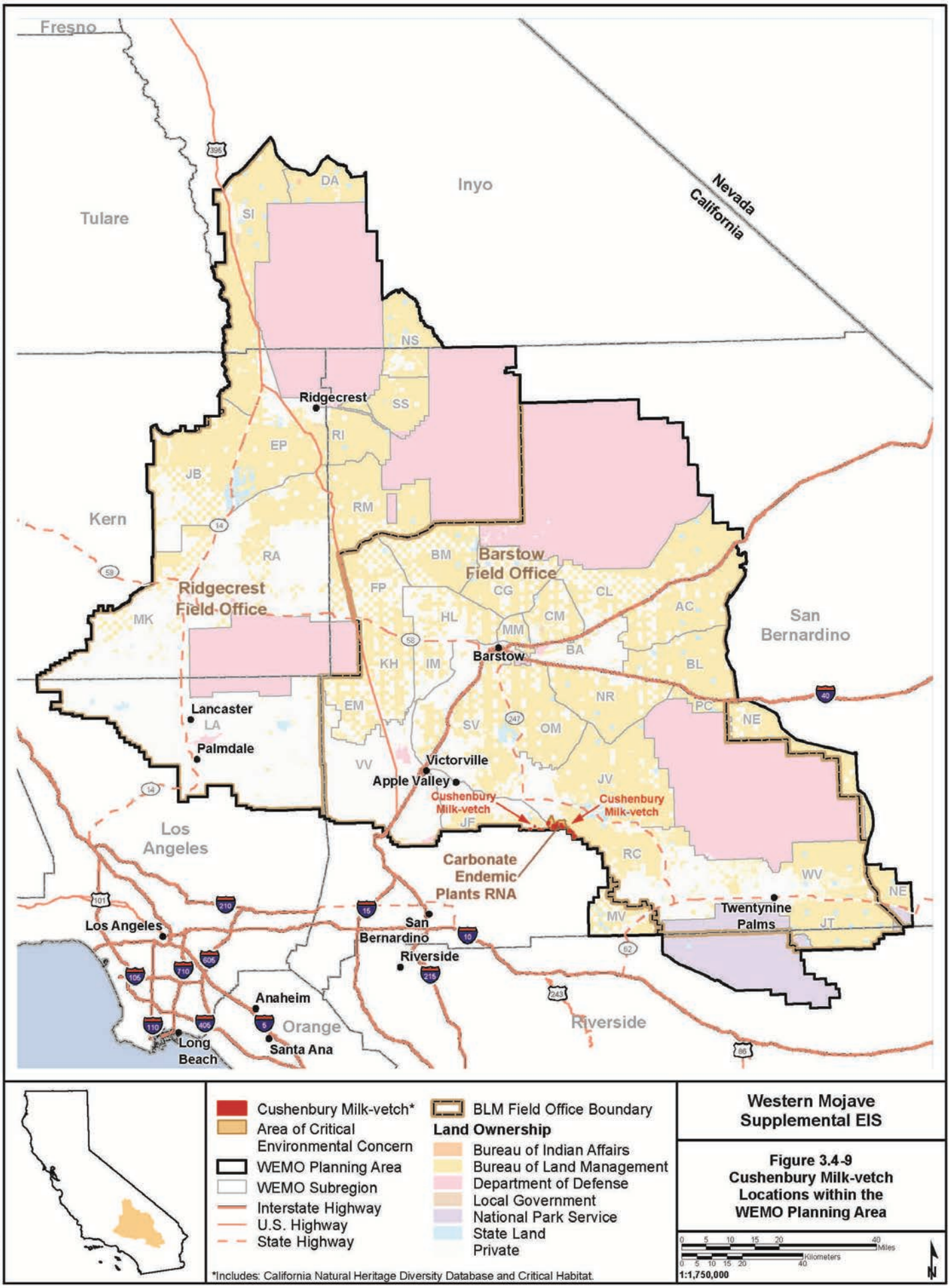
11/4/2014



Western Mojave Supplemental EIS

Figure 3.4-9
Cushenbury Milk-vetch Locations within the WEMO Planning Area

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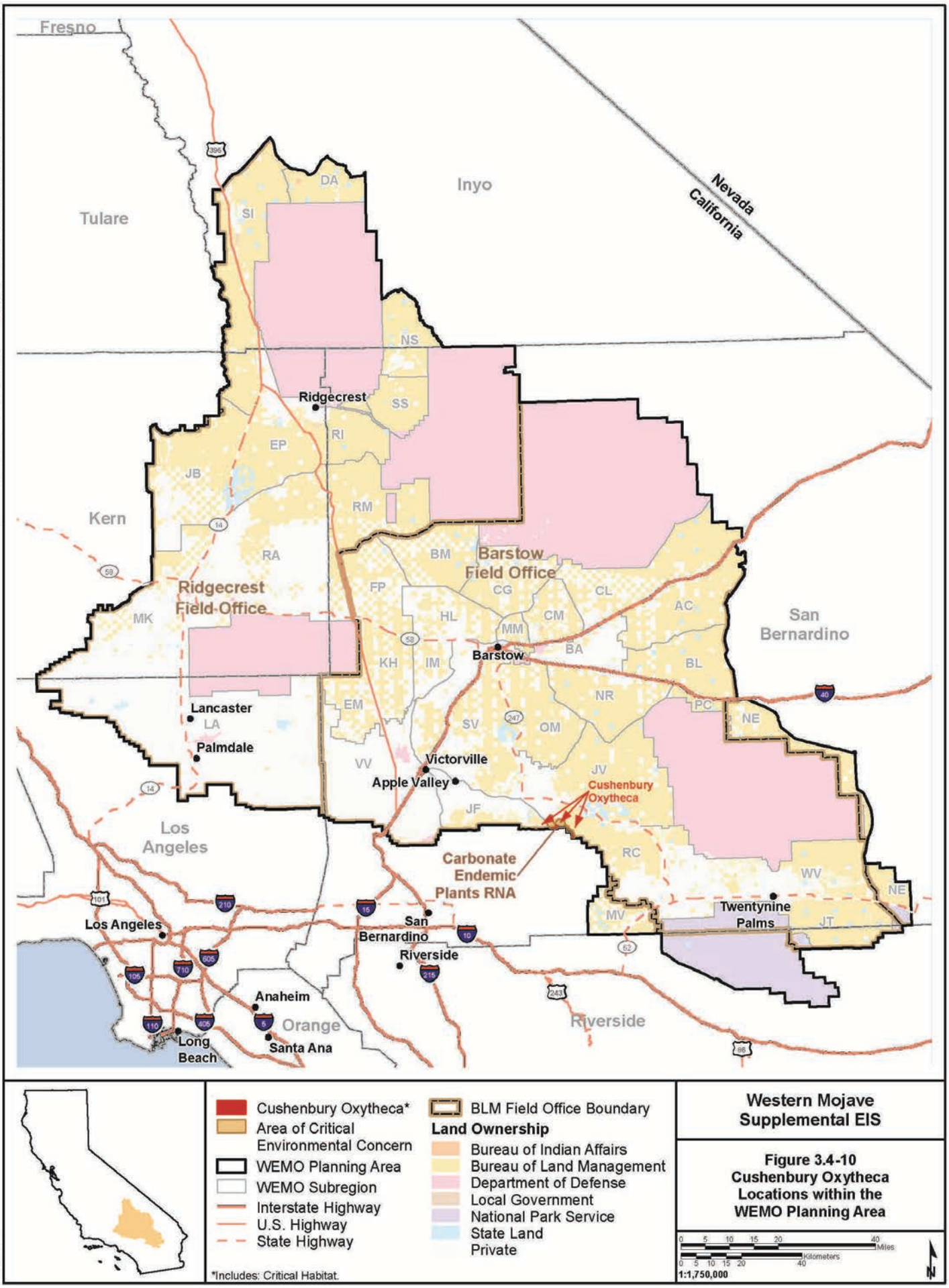
11/4/2014



Western Mojave Supplemental EIS

Figure 3.4-10 Cushenbury Oxytheca Locations within the WEMO Planning Area

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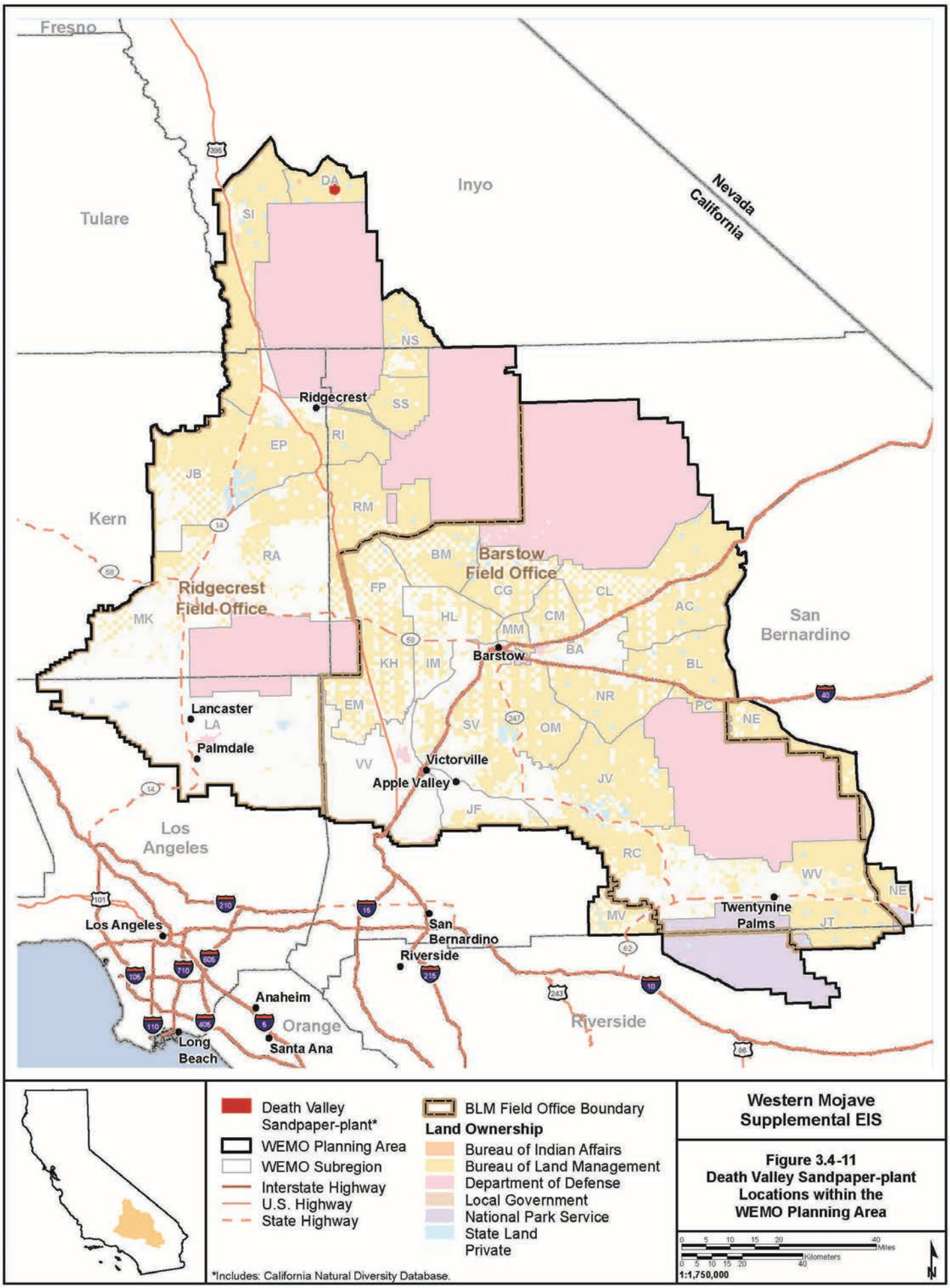
11/4/2014



Western Mojave Supplemental EIS

Figure 3.4-11
Death Valley Sandpaper-plant Locations within the WEMO Planning Area

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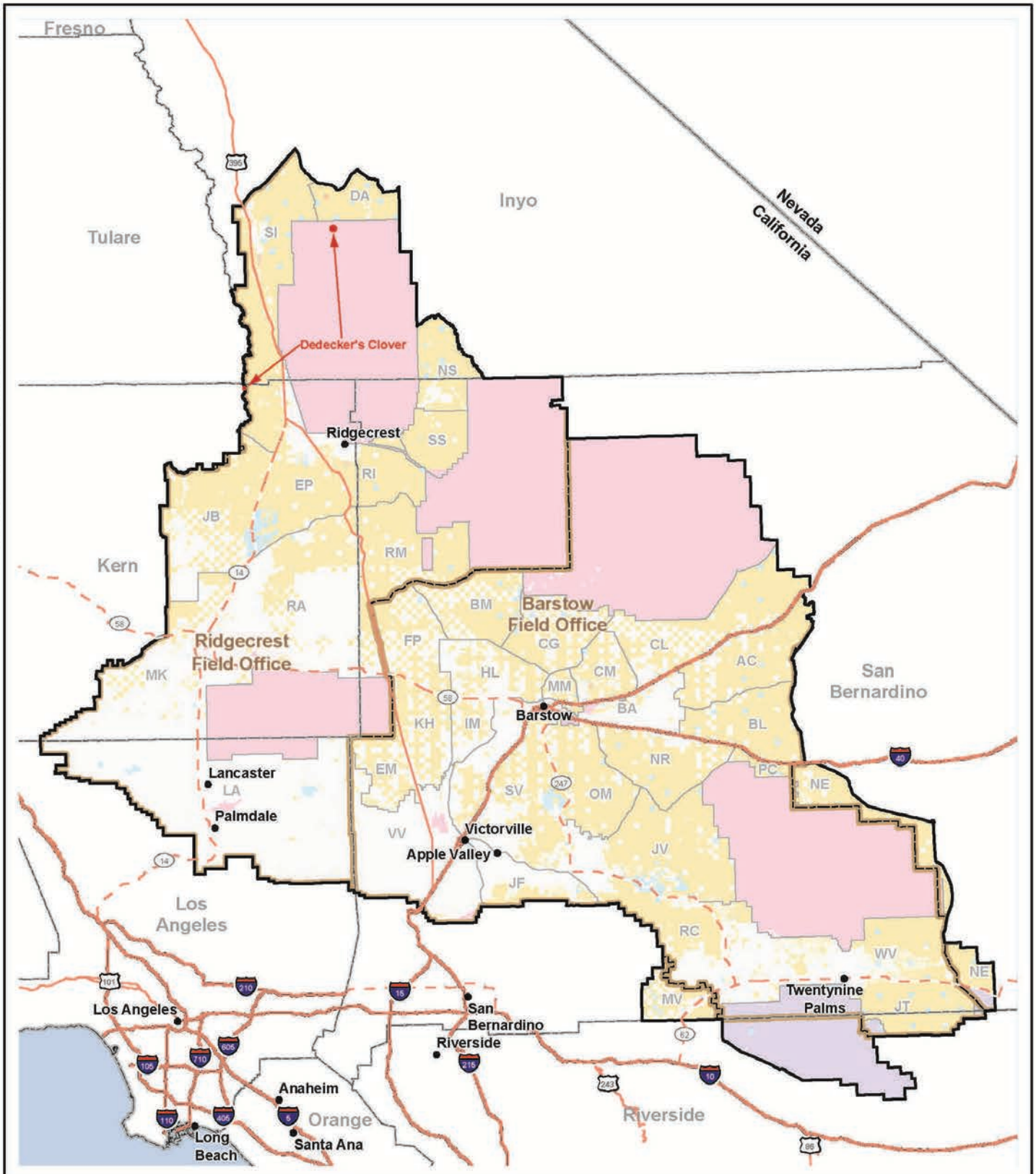
11/4/2014



Dedecker's Clover*
WEMO Planning Area
WEMO Subregion
BLM Field Office Boundary
Interstate Highway
U.S. Highway
State Highway

Land Ownership
Bureau of Indian Affairs
Bureau of Land Management
Department of Defense
Local Government
National Park Service
State Land
Private

*Includes: California Natural Diversity Database.

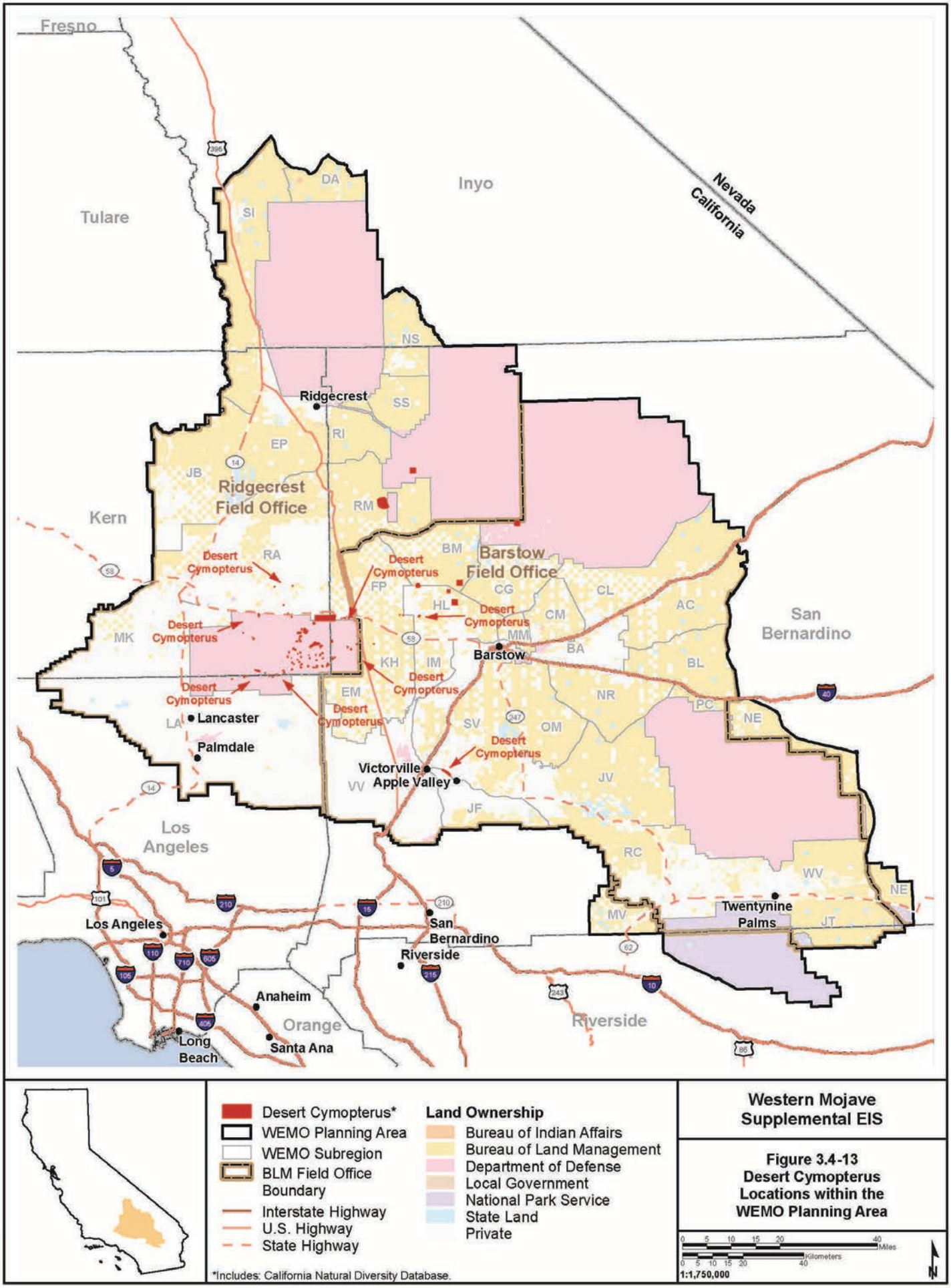
Western Mojave Supplemental EIS

Figure 3.4-12
Dedecker's Clover Locations within the WEMO Planning Area

0 5 10 15 20 40 Miles
0 5 10 15 20 40 Kilometers
1:1,750,000

X:\0Projects\BLM_WEMO_SEIS_60278490\FIGs\DOC\1_PDEIS\Figure_3_04-12_DedeckersClover.mxd

11/4/2014



Western Mojave Supplemental EIS

Figure 3.4-13
Desert Cymopterus Locations within the WEMO Planning Area

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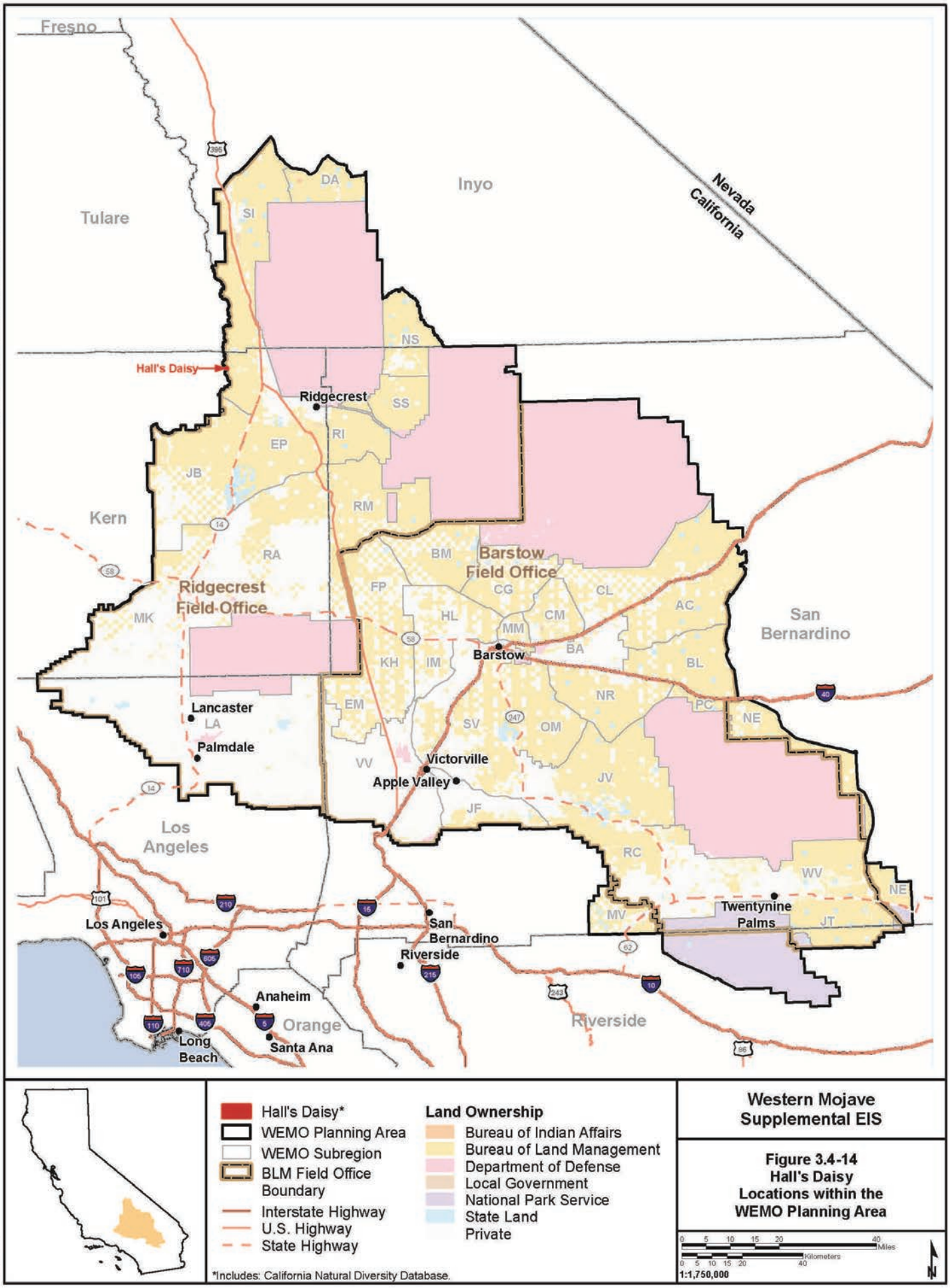
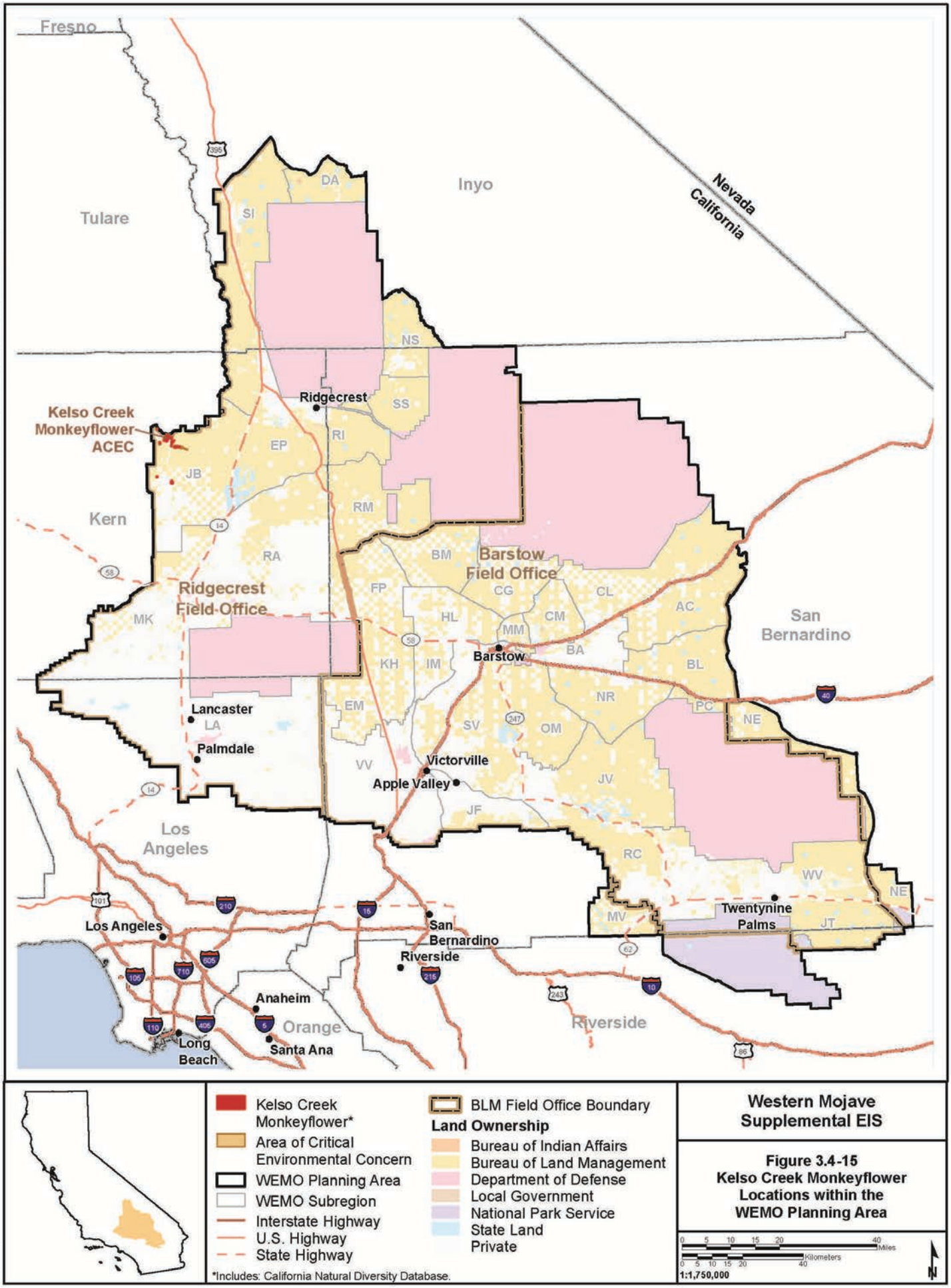
11/4/2014



Western Mojave Supplemental EIS

Figure 3.4-14
Hall's Daisy Locations within the WEMO Planning Area



Western Mojave Supplemental EIS

Figure 3.4-15
Kelso Creek Monkeyflower Locations within the WEMO Planning Area

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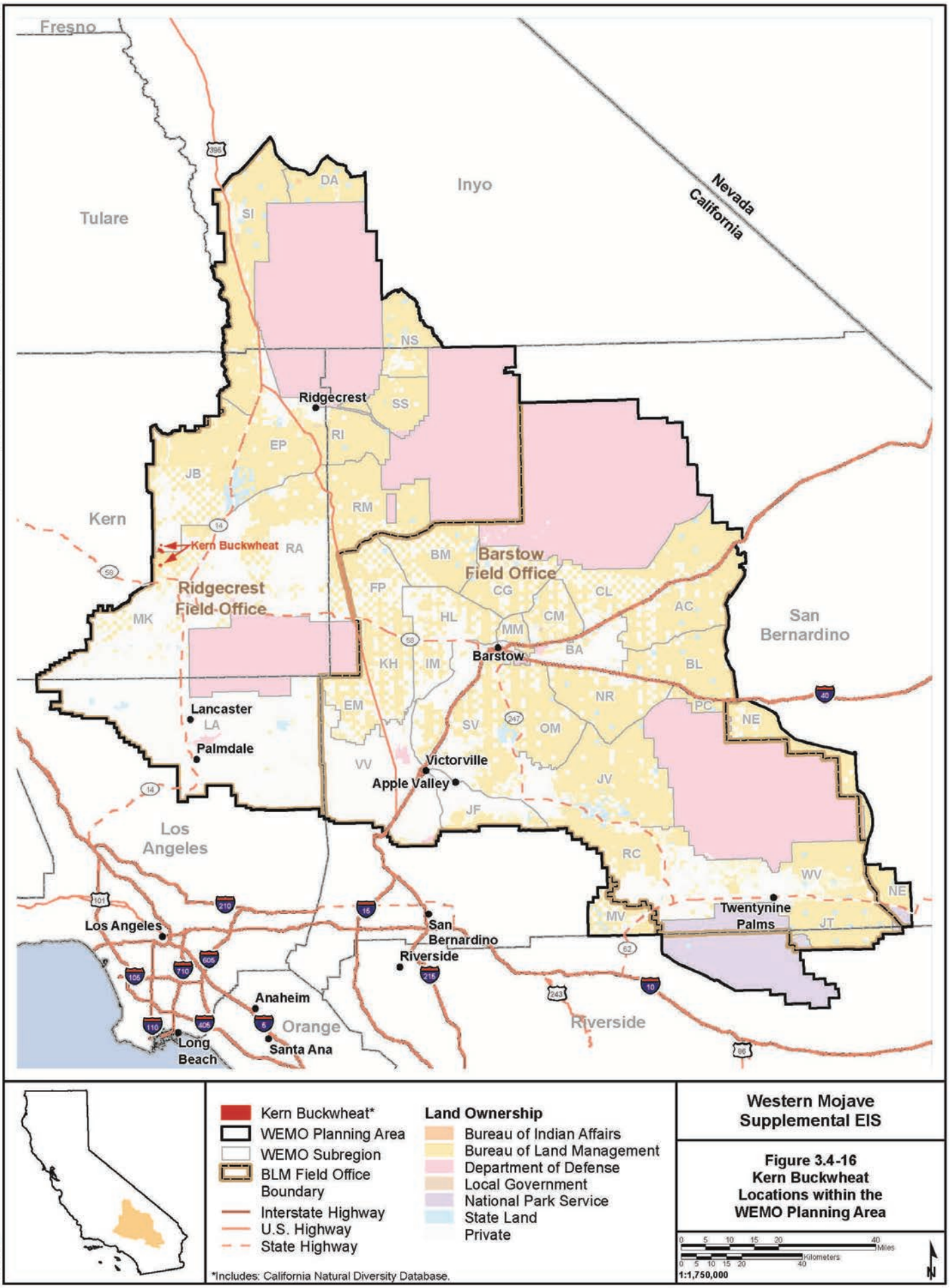
11/4/2014



Kern Buckwheat*
WEMO Planning Area
WEMO Subregion
BLM Field Office Boundary
Interstate Highway
U.S. Highway
State Highway

Land Ownership
Bureau of Indian Affairs
Bureau of Land Management
Department of Defense
Local Government
National Park Service
State Land
Private

*Includes: California Natural Diversity Database.

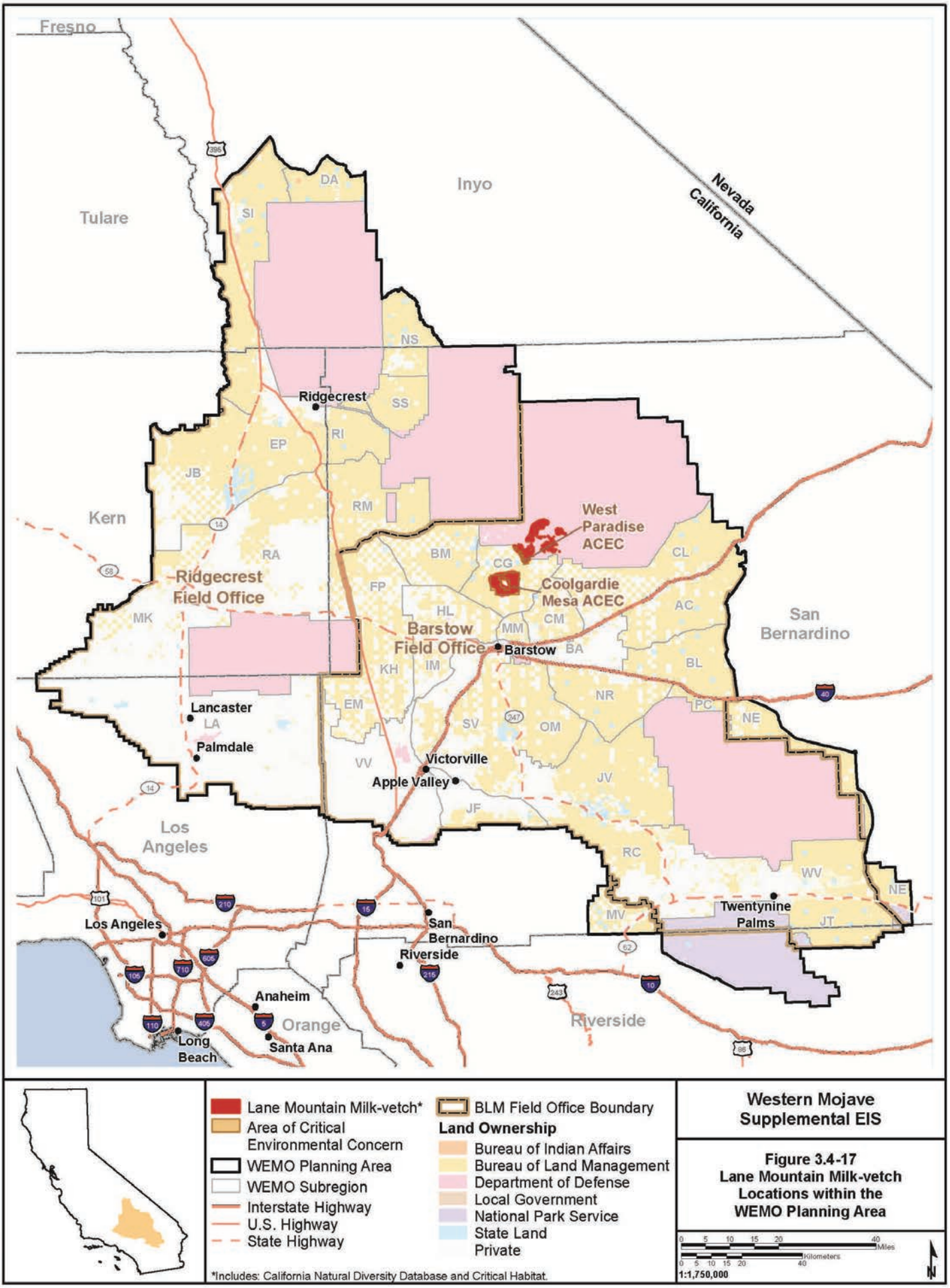
Western Mojave Supplemental EIS

Figure 3.4-16
Kern Buckwheat Locations within the WEMO Planning Area

0 5 10 15 20 40 Miles
0 5 10 15 20 40 Kilometers
1:1,750,000
N

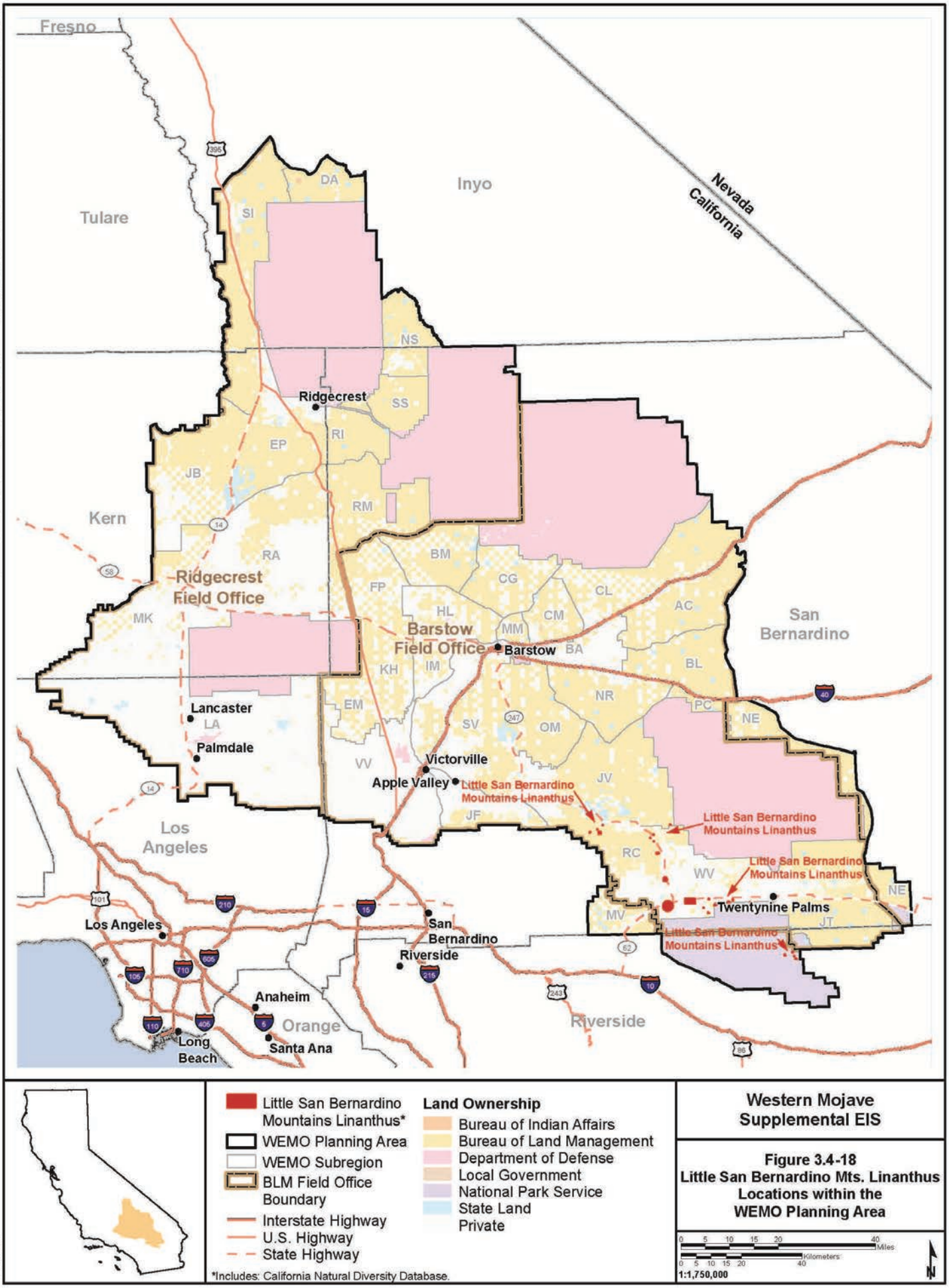
X:\DProjects\BLM WEMO SEIS 60278490\FIGs\DOC\1 PDEIS\Figure 3 04-16 KernBuckwheat.mxd

11/4/2014



Western Mojave Supplemental EIS

Figure 3.4-17
Lane Mountain Milk-vetch Locations within the WEMO Planning Area



Western Mojave Supplemental EIS

Figure 3.4-18
Little San Bernardino Mts. Linanthus Locations within the WEMO Planning Area

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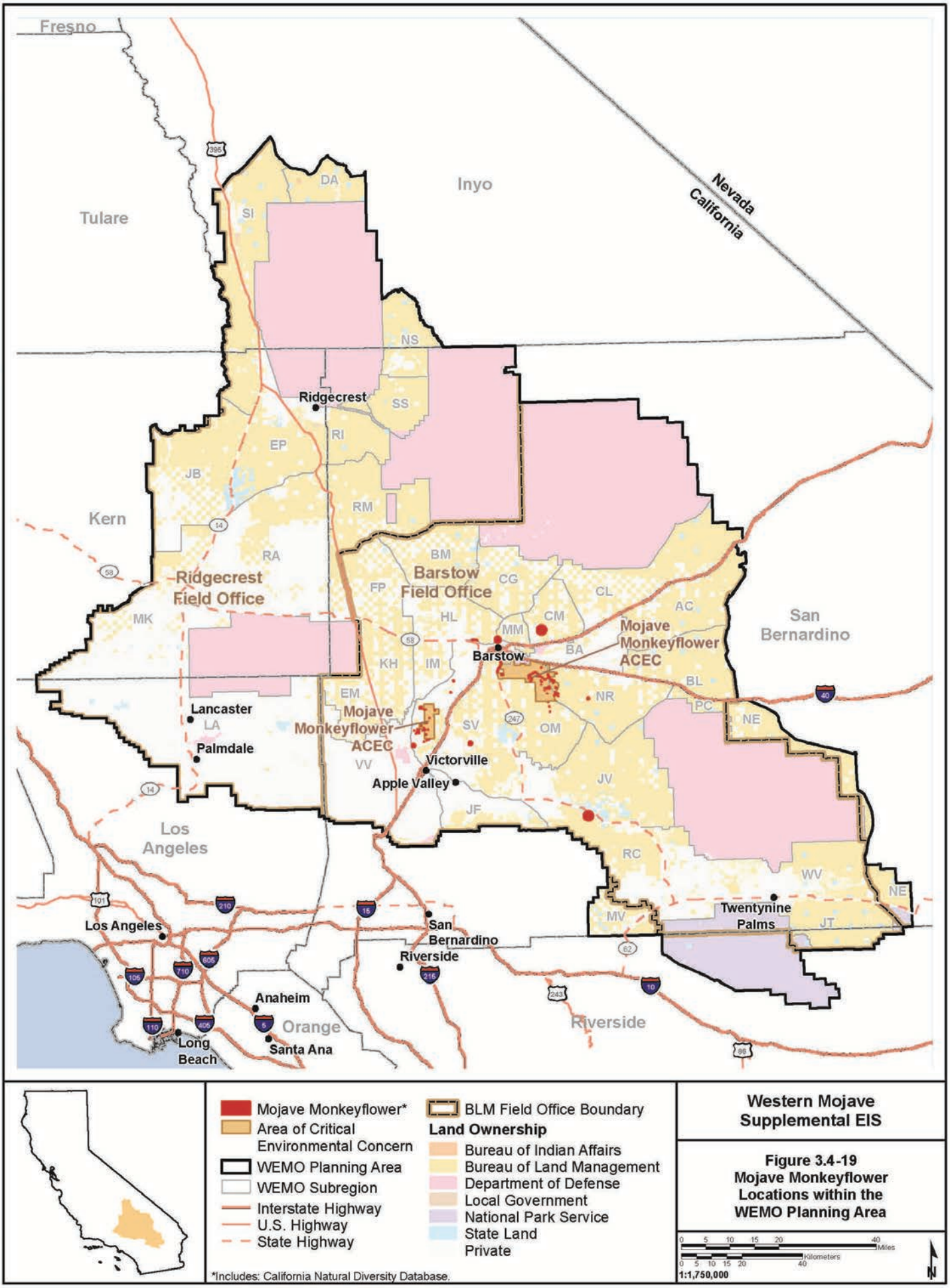
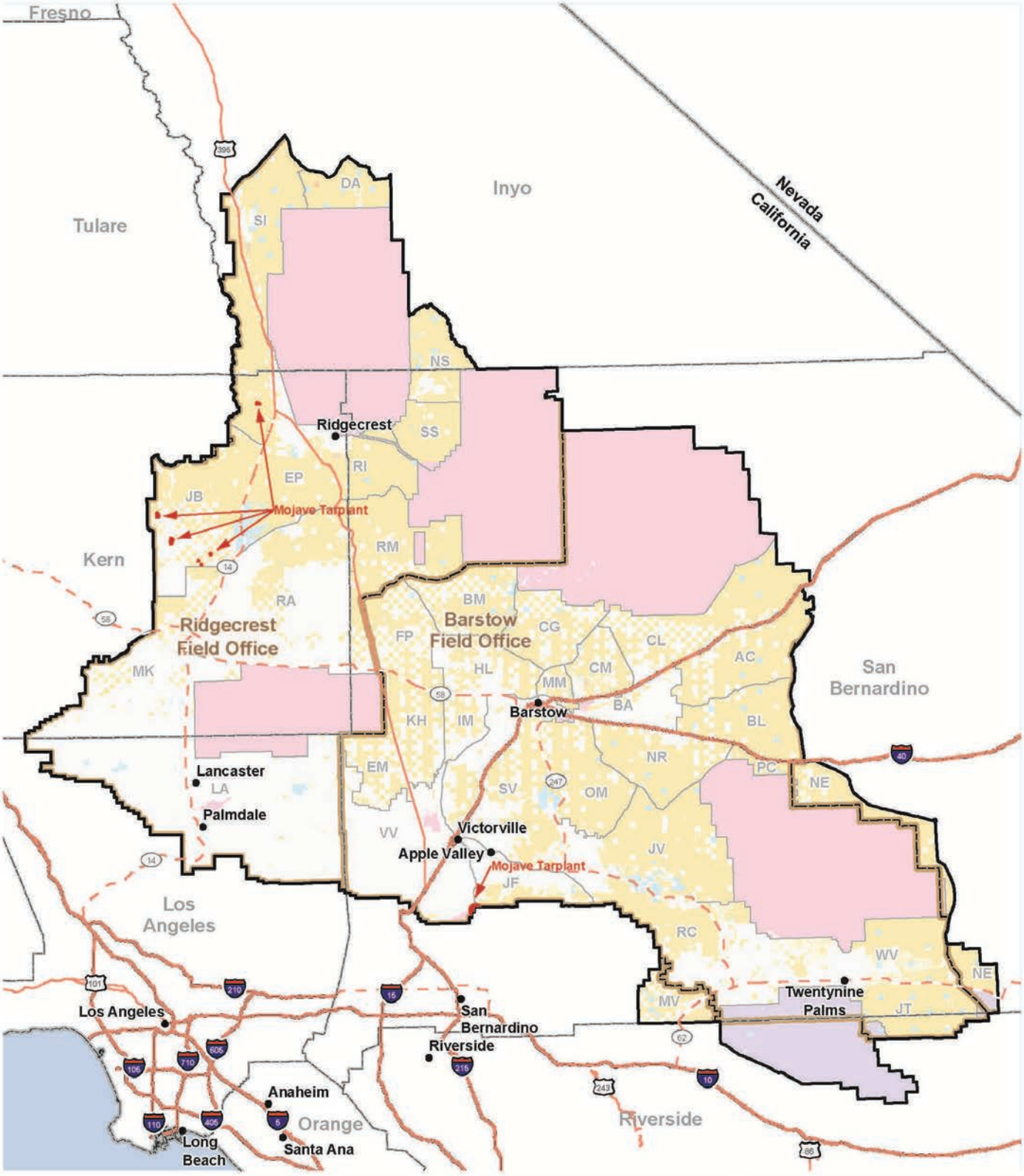
11/4/2014



Western Mojave Supplemental EIS

Figure 3.4-19
Mojave Monkeyflower Locations within the WEMO Planning Area



Mojave Tarplant*
WEMO Planning Area
WEMO Subregion
BLM Field Office Boundary
Interstate Highway
U.S. Highway
State Highway

Land Ownership
Bureau of Indian Affairs
Bureau of Land Management
Department of Defense
Local Government
National Park Service
State Land
Private

*Includes: California Natural Diversity Database.

Western Mojave Supplemental EIS

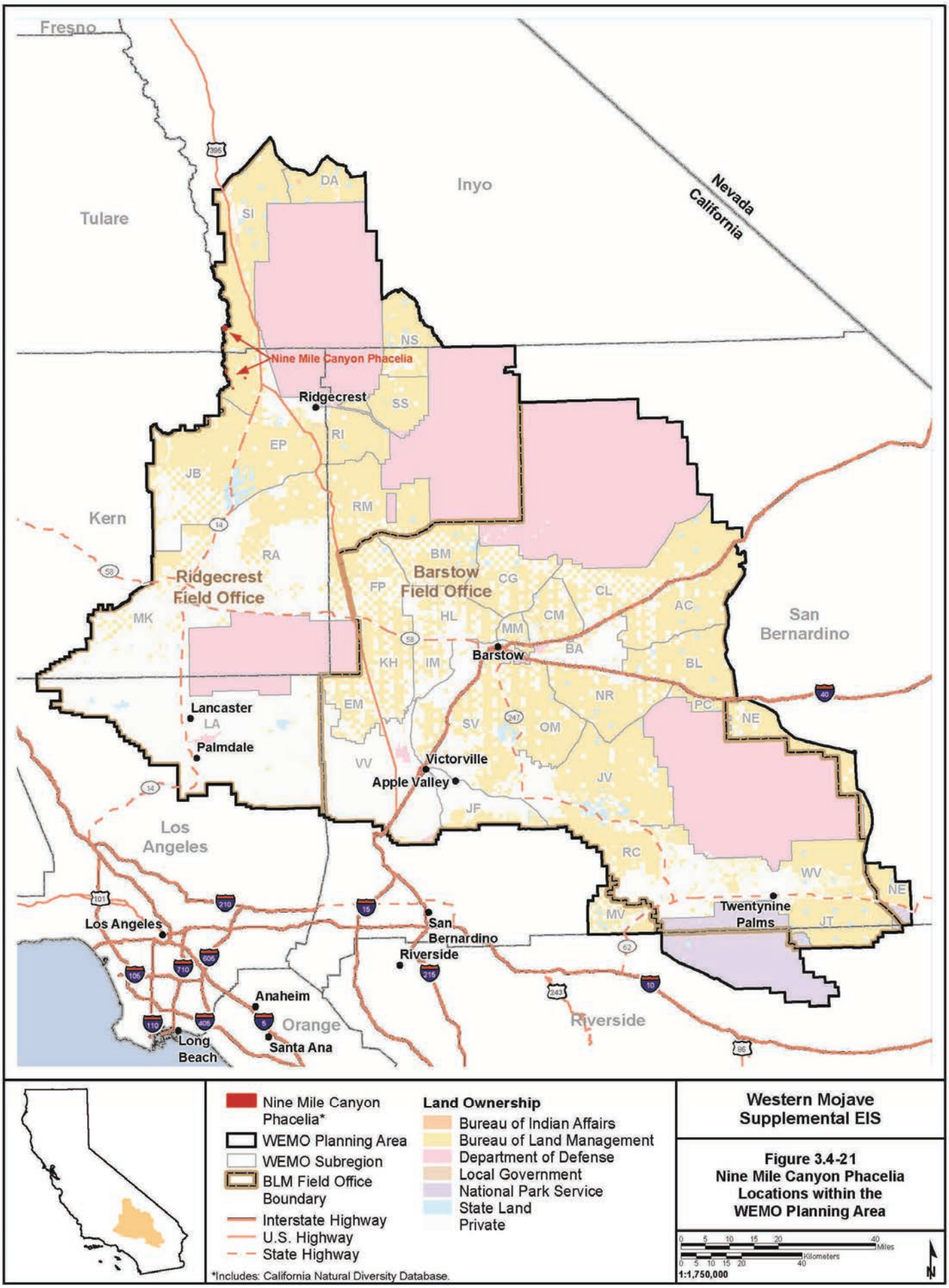
Figure 3.4-20
Mojave Tarplant Locations within the WEMO Planning Area

0 5 10 15 20 40 Miles
0 5 10 15 20 40 Kilometers
1:1,750,000

N

X:\0Projects\BLM WEMO SEIS 60277849\FIGS\DOC14 PDFIS\Figure 3.04-20 MojaveTarplant.mxd

11/4/2014



Western Mojave Supplemental EIS

Figure 3.4-21
Nine Mile Canyon Phacelia Locations within the WEMO Planning Area

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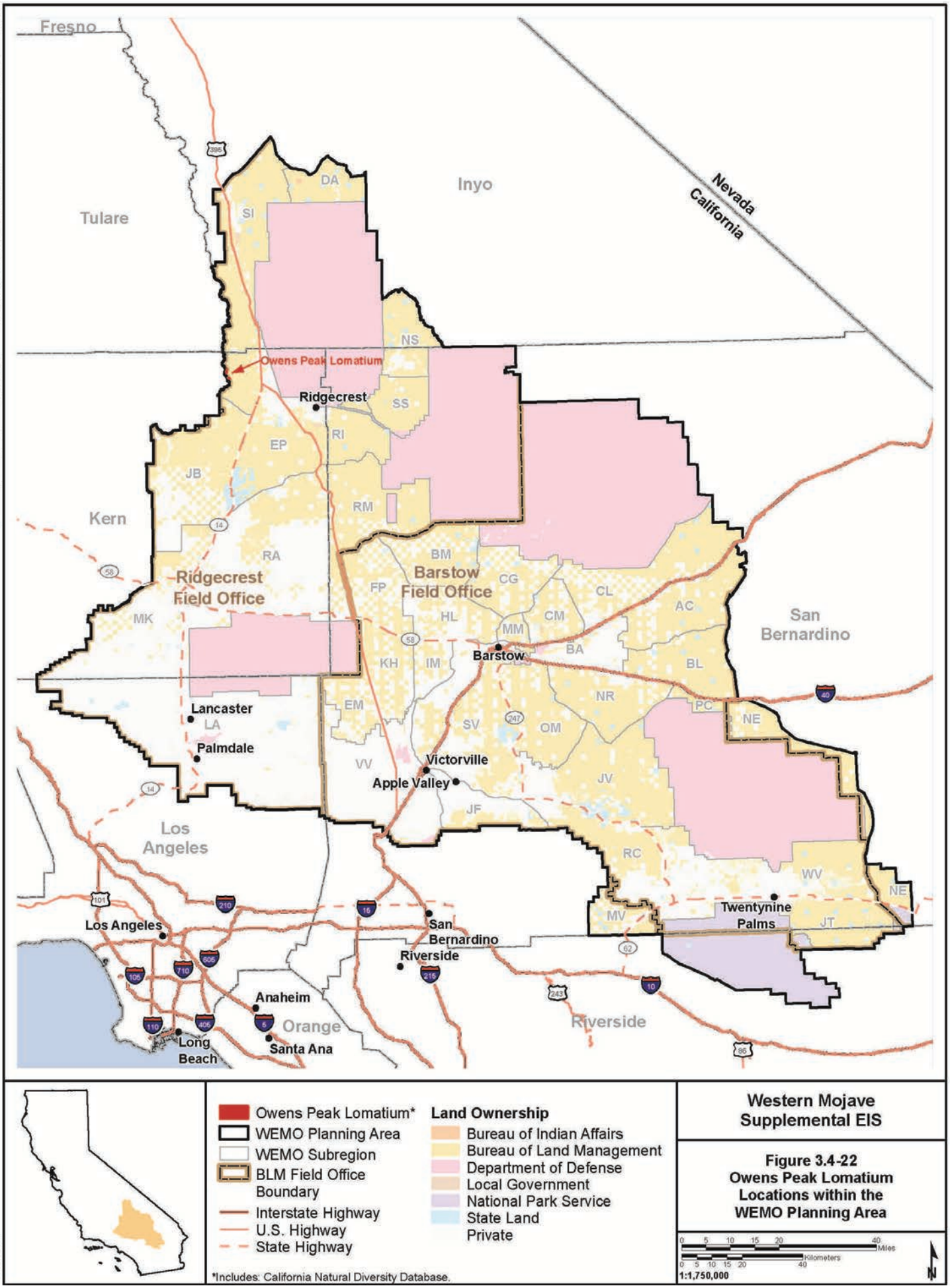
11/4/2014

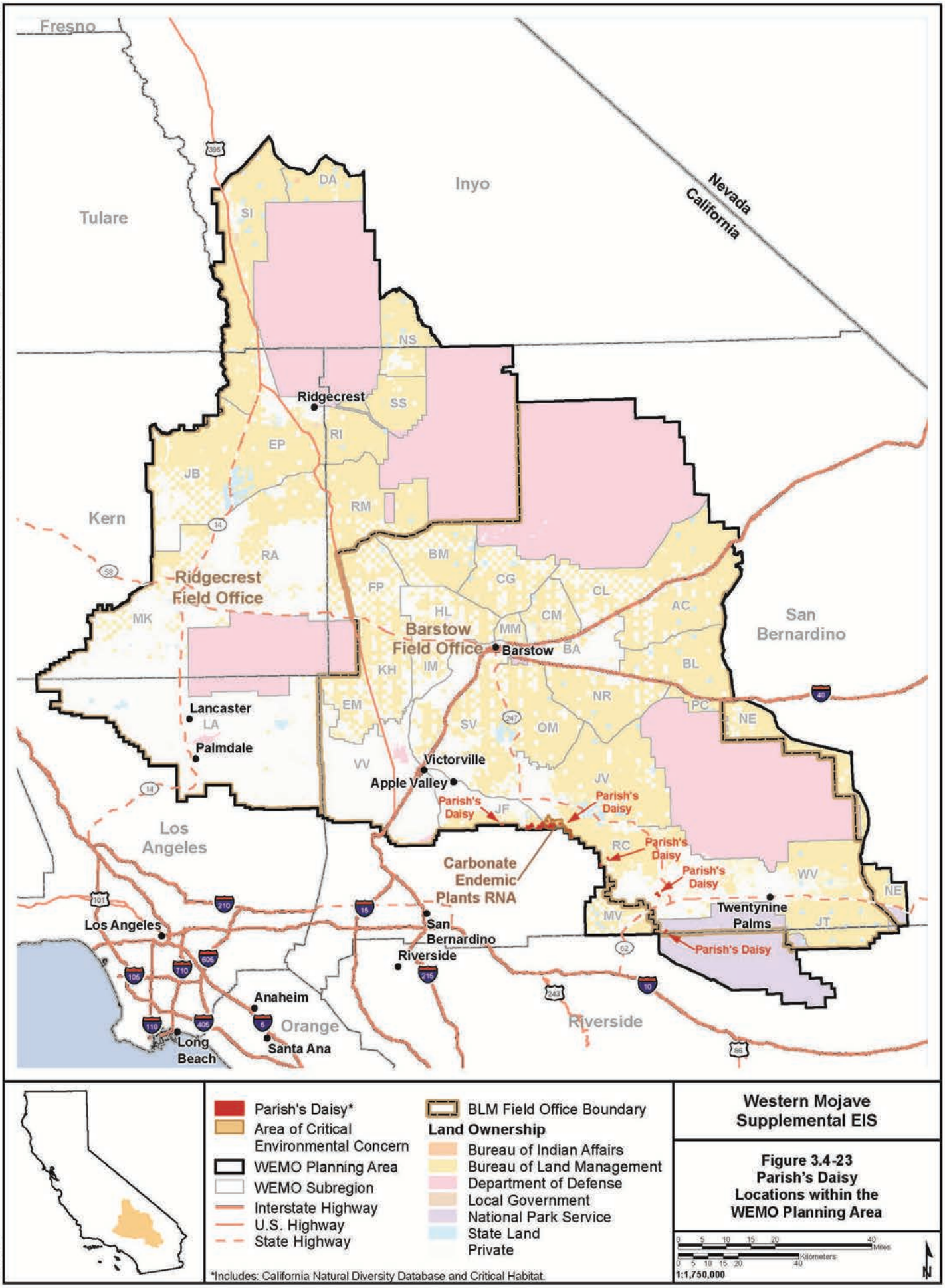


Western Mojave Supplemental EIS

Figure 3.4-22
Owens Peak Lomatium Locations within the WEMO Planning Area

X:\0Projects\BLM WEMO SEIS 60278490\FIGs\DOC\1 PDEIS\Figure 3 04-22 OwensPeakLomatium.mxd

11/4/2014



Parish's Daisy*
Area of Critical Environmental Concern
WEMO Planning Area
WEMO Subregion
Interstate Highway
U.S. Highway
State Highway
BLM Field Office Boundary

Land Ownership

Bureau of Indian Affairs
Bureau of Land Management
Department of Defense
Local Government
National Park Service
State Land
Private

*Includes: California Natural Diversity Database and Critical Habitat.

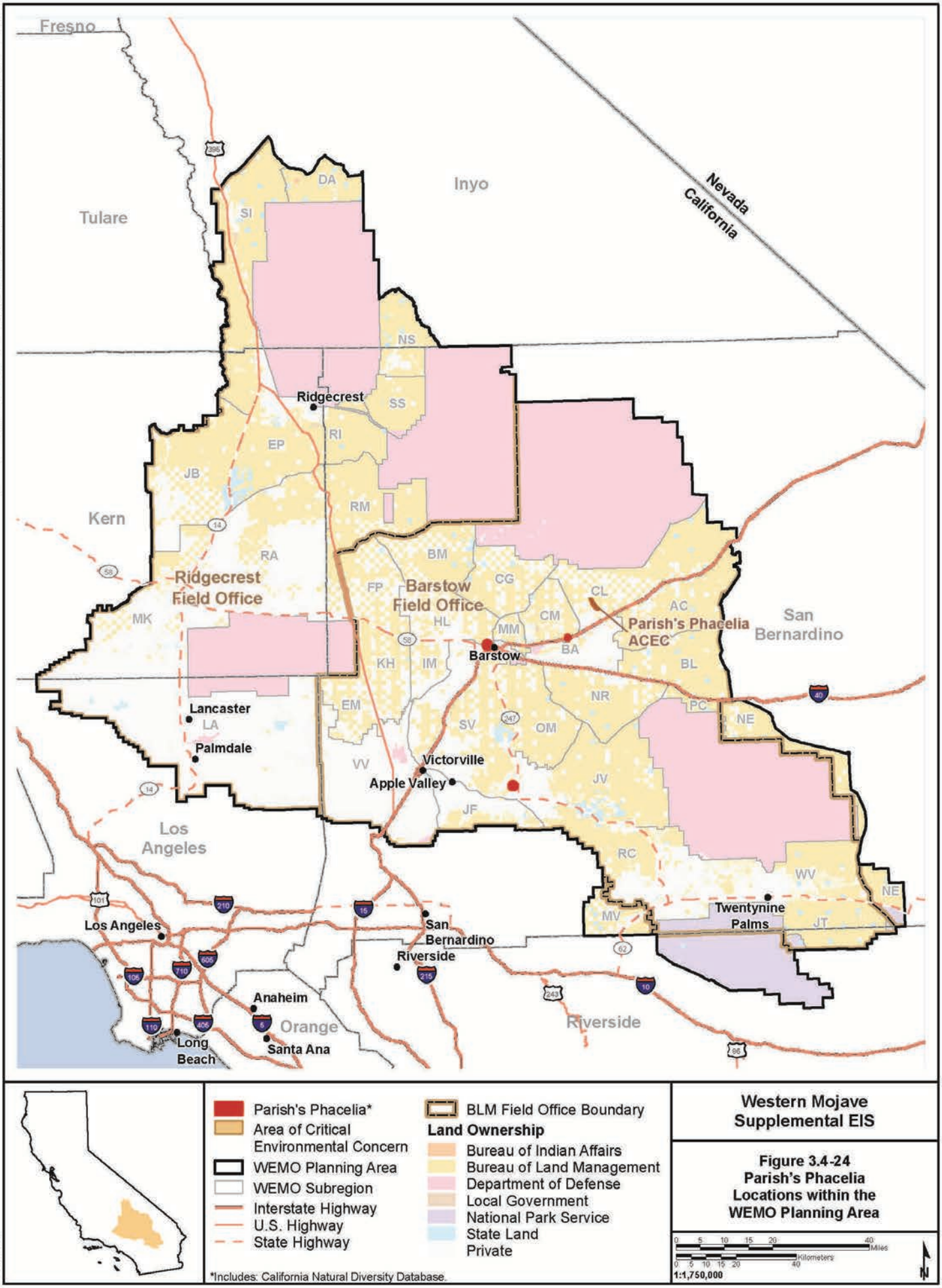
Western Mojave Supplemental EIS

Figure 3.4-23
Parish's Daisy Locations within the WEMO Planning Area

0 5 10 15 20 40 Miles
0 5 10 15 20 40 Kilometers
1:1,750,000

X:\Projects\BLM WEMO SEIS 60278490\FIGs\DOC\1 PDEIS\Figure 3.04-23 ParishDaisy.mxd

11/4/2014

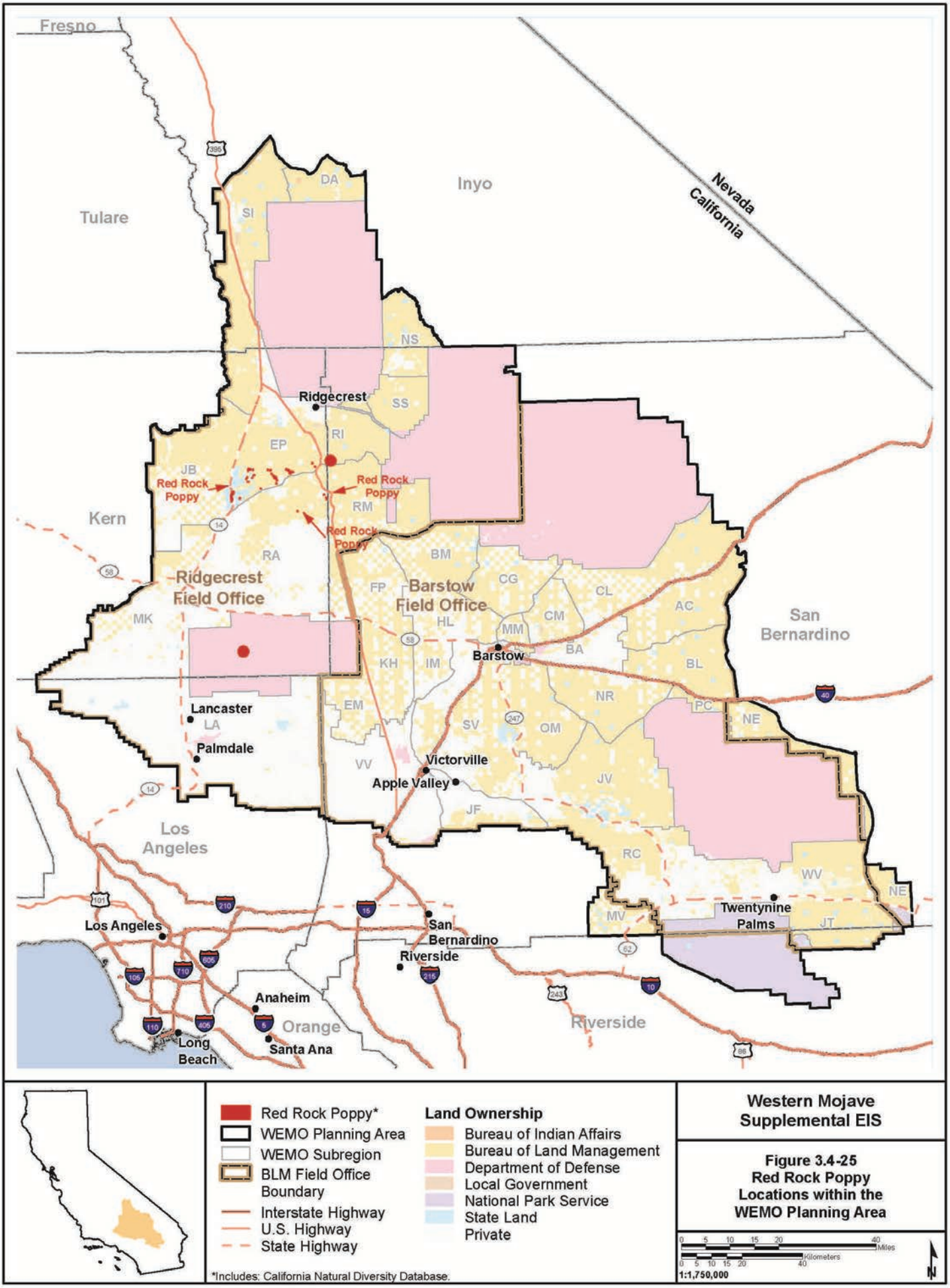


Western Mojave Supplemental EIS

Figure 3.4-24
Parish's Phacelia Locations within the WEMO Planning Area

X:\0Projects\BLM WEMO SEIS 60278490\FIGs\DOC\1 PDEIS\Figure 3 04-24 ParishPhacelia.mxd

11/4/2014

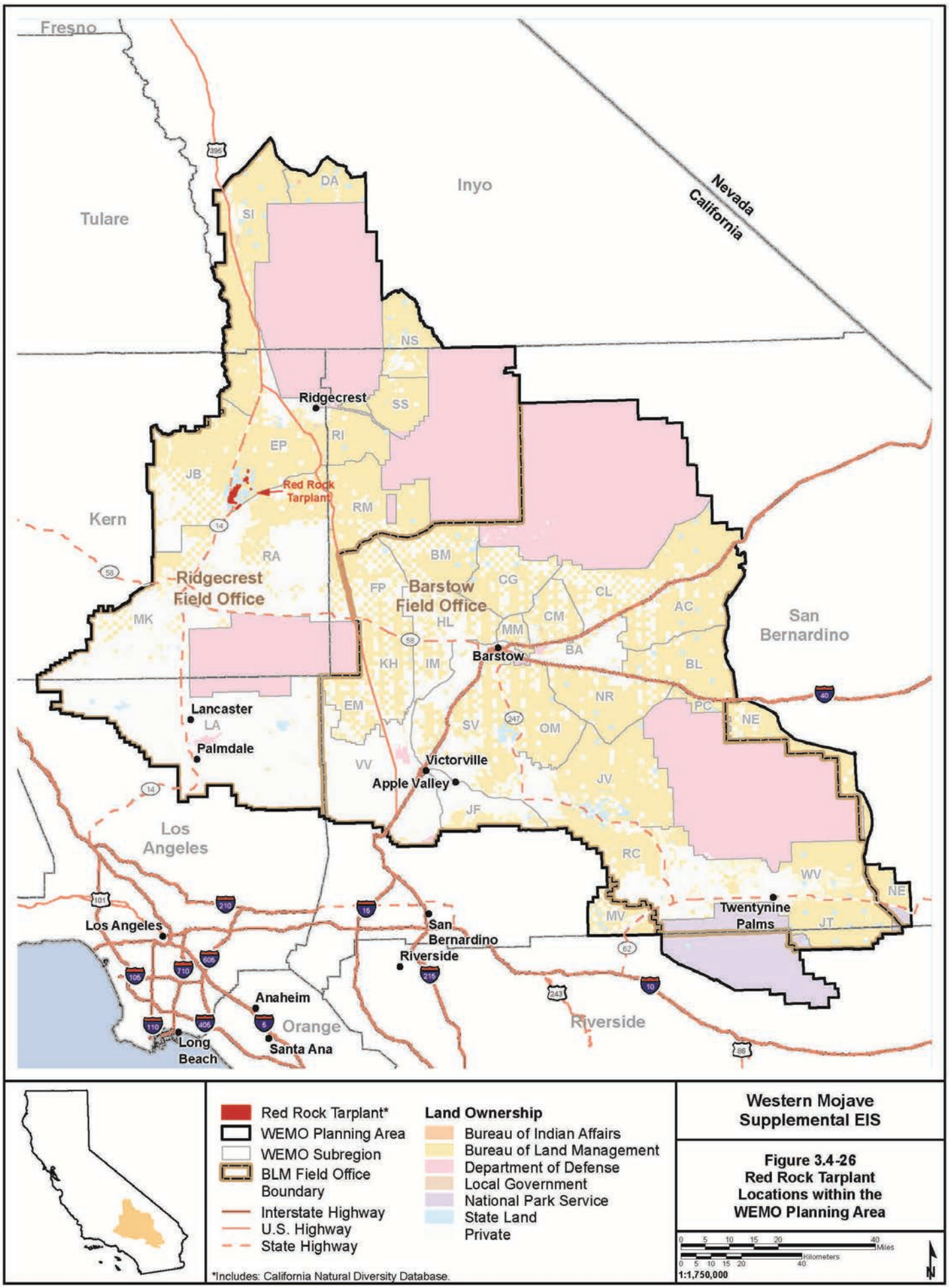


Western Mojave Supplemental EIS

Figure 3.4-25
Red Rock Poppy Locations within the WEMO Planning Area

X:\Projects\BLM WEMO SEIS 60278400\FIGS\DOC1 PDFIS\Figure 3.04-25 RedRockPoppy.mxd

11/4/2014



Western Mojave Supplemental EIS

Figure 3.4-26
Red Rock Tarplant Locations within the WEMO Planning Area

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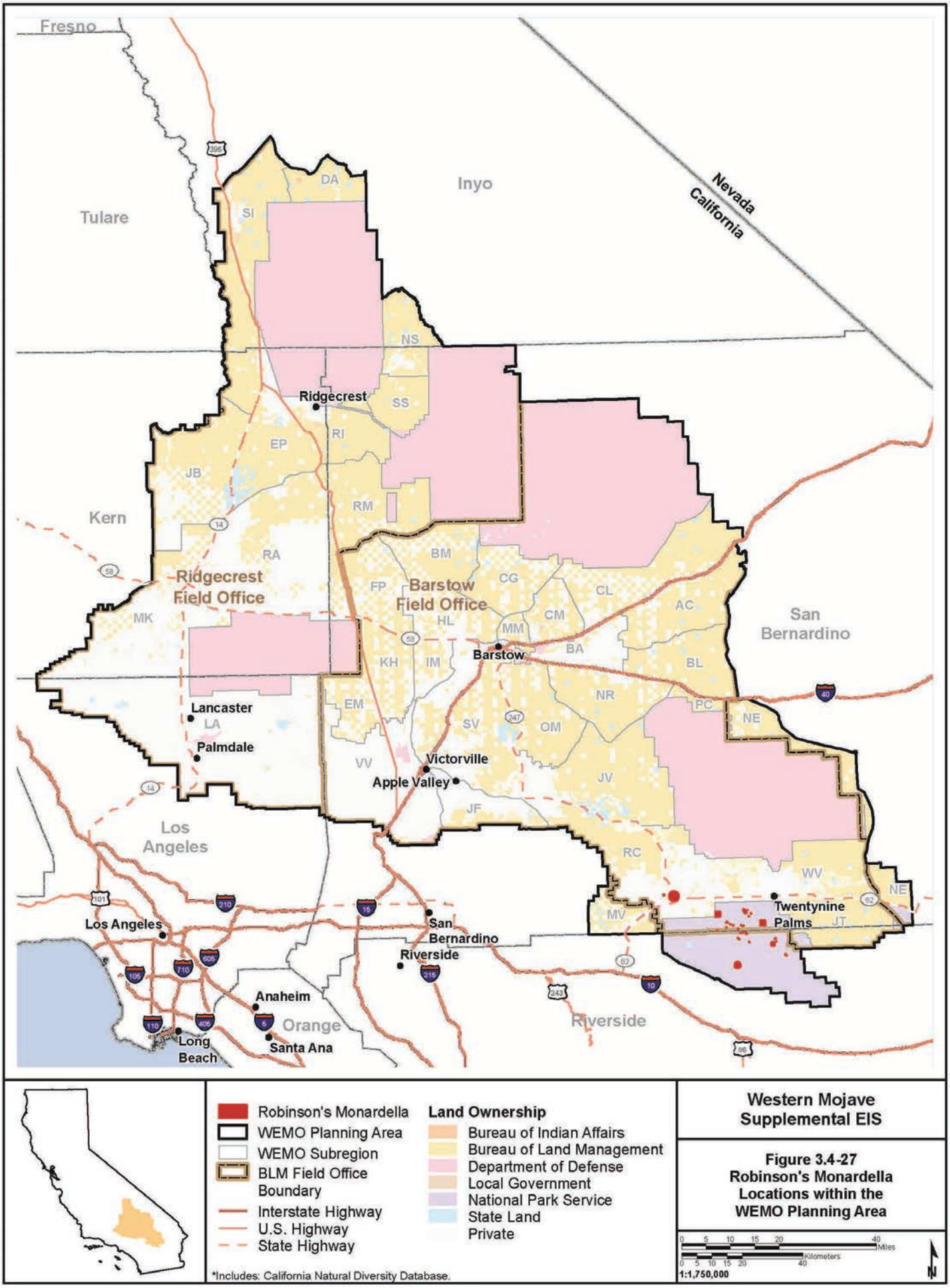
11/4/2014



Western Mojave Supplemental EIS

Figure 3.4-27
Robinson's Monardella Locations within the WEMO Planning Area

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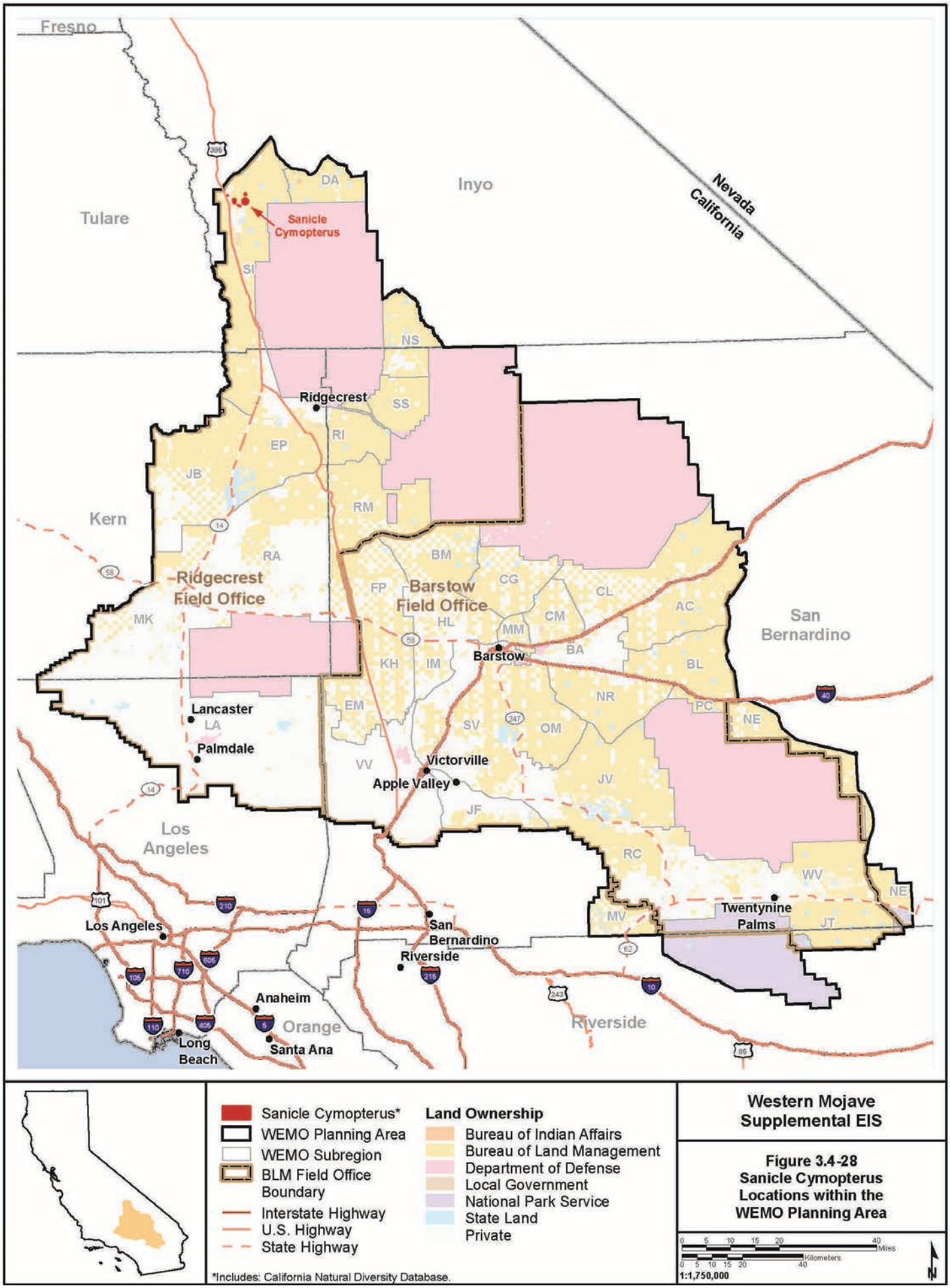
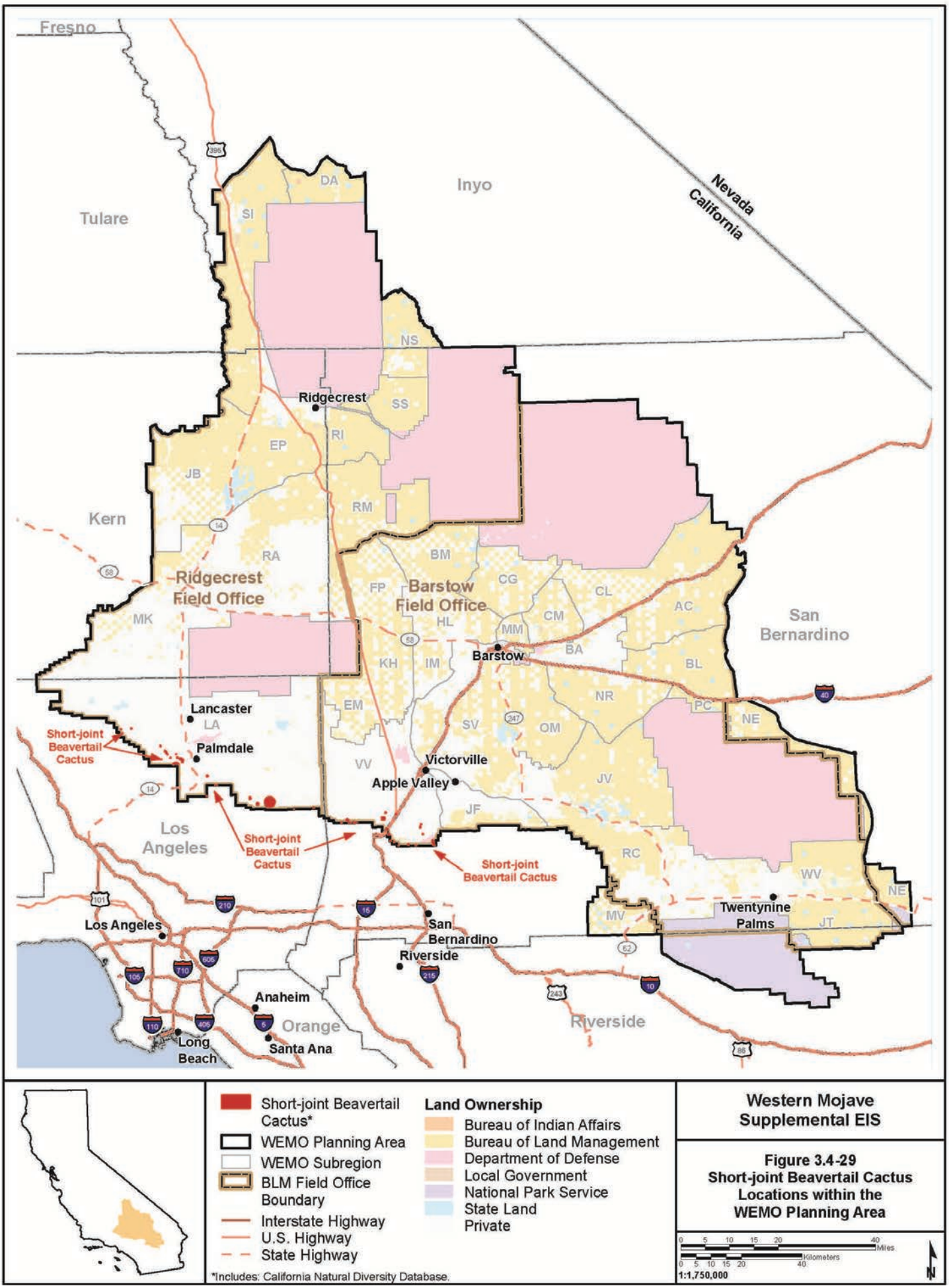
11/4/2014



Western Mojave Supplemental EIS

Figure 3.4-28
Sanicle Cymopterus Locations within the WEMO Planning Area



Western Mojave Supplemental EIS

Figure 3.4-29
Short-joint Beavertail Cactus Locations within the WEMO Planning Area

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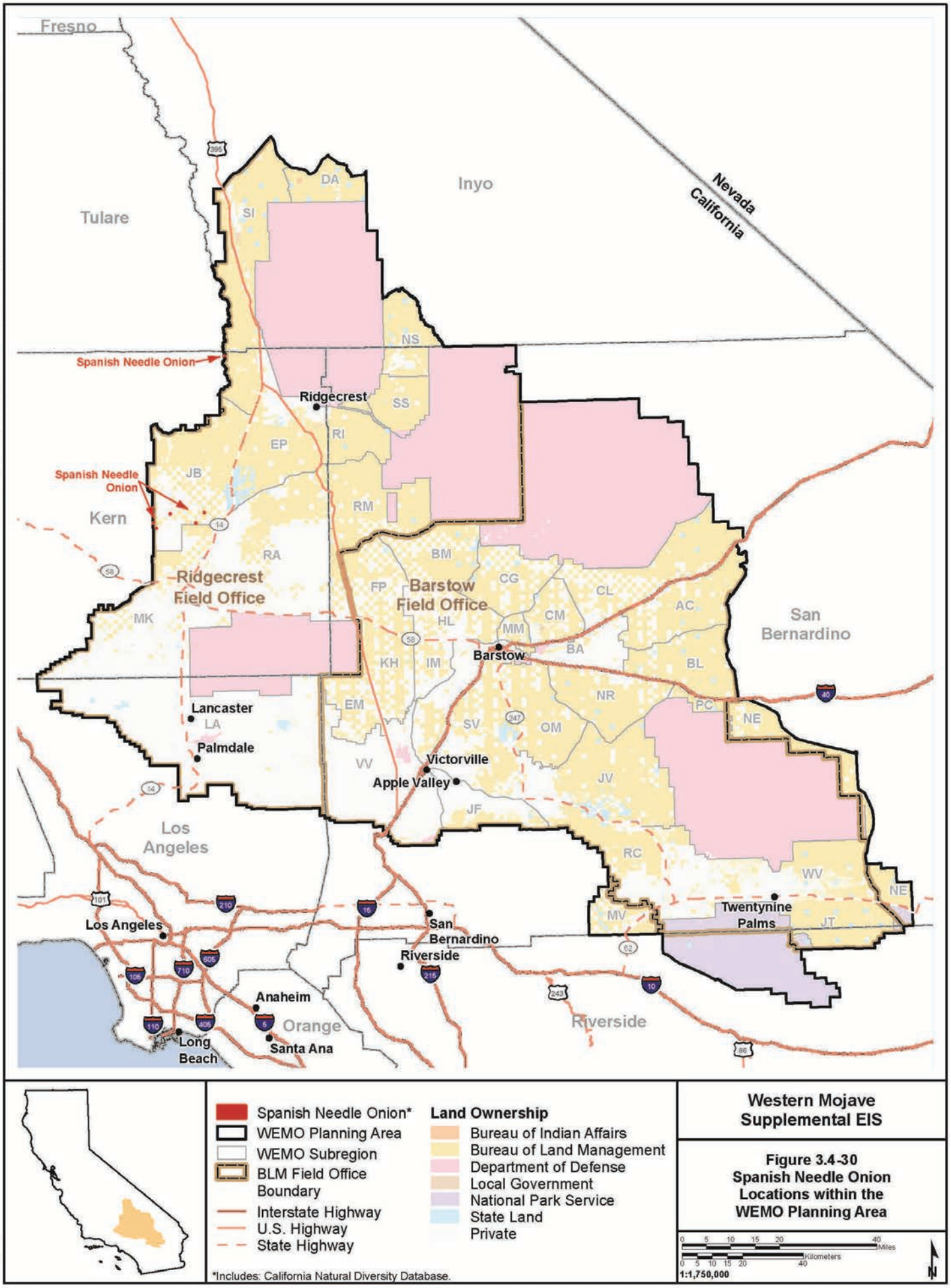
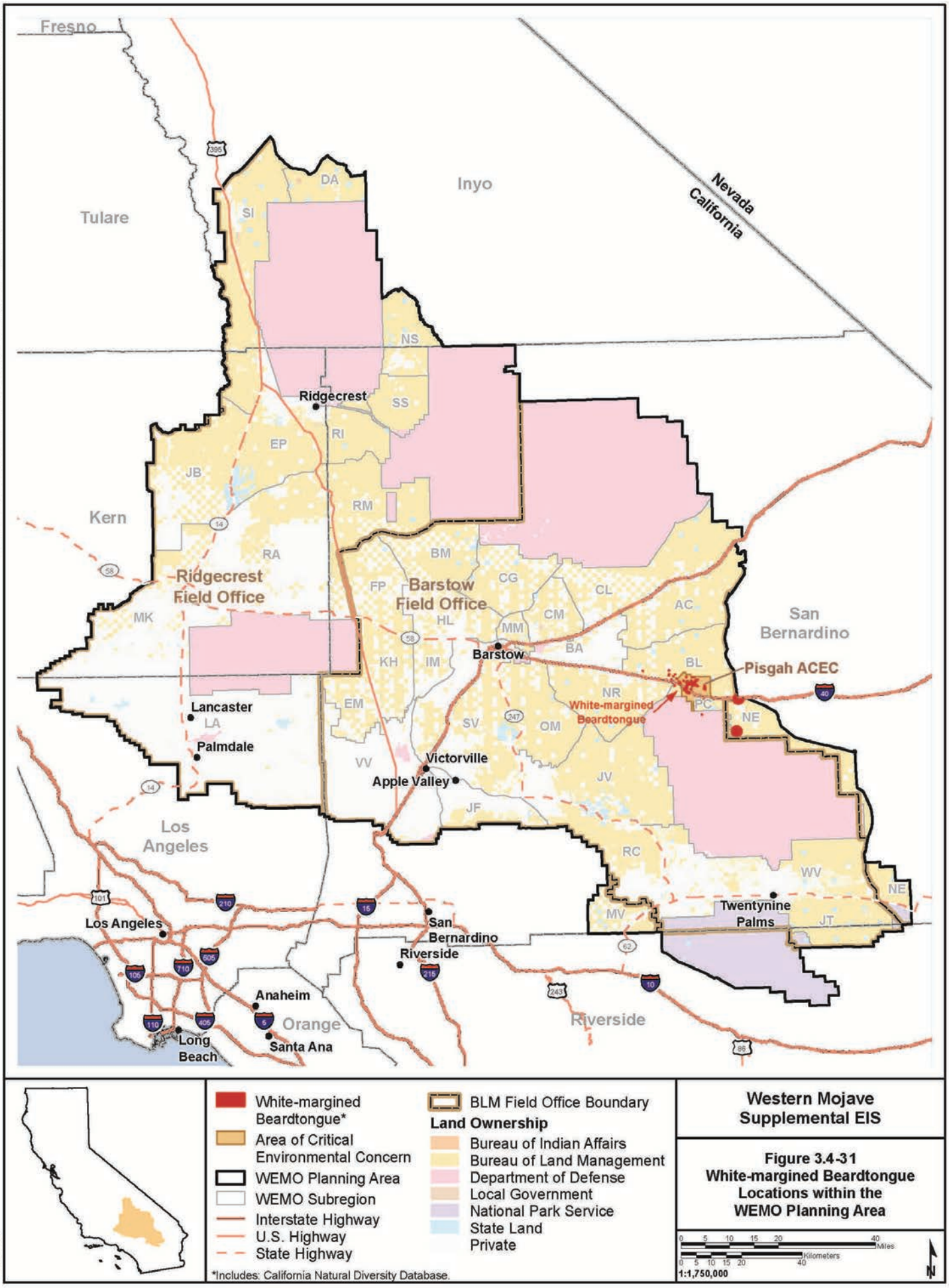
11/4/2014



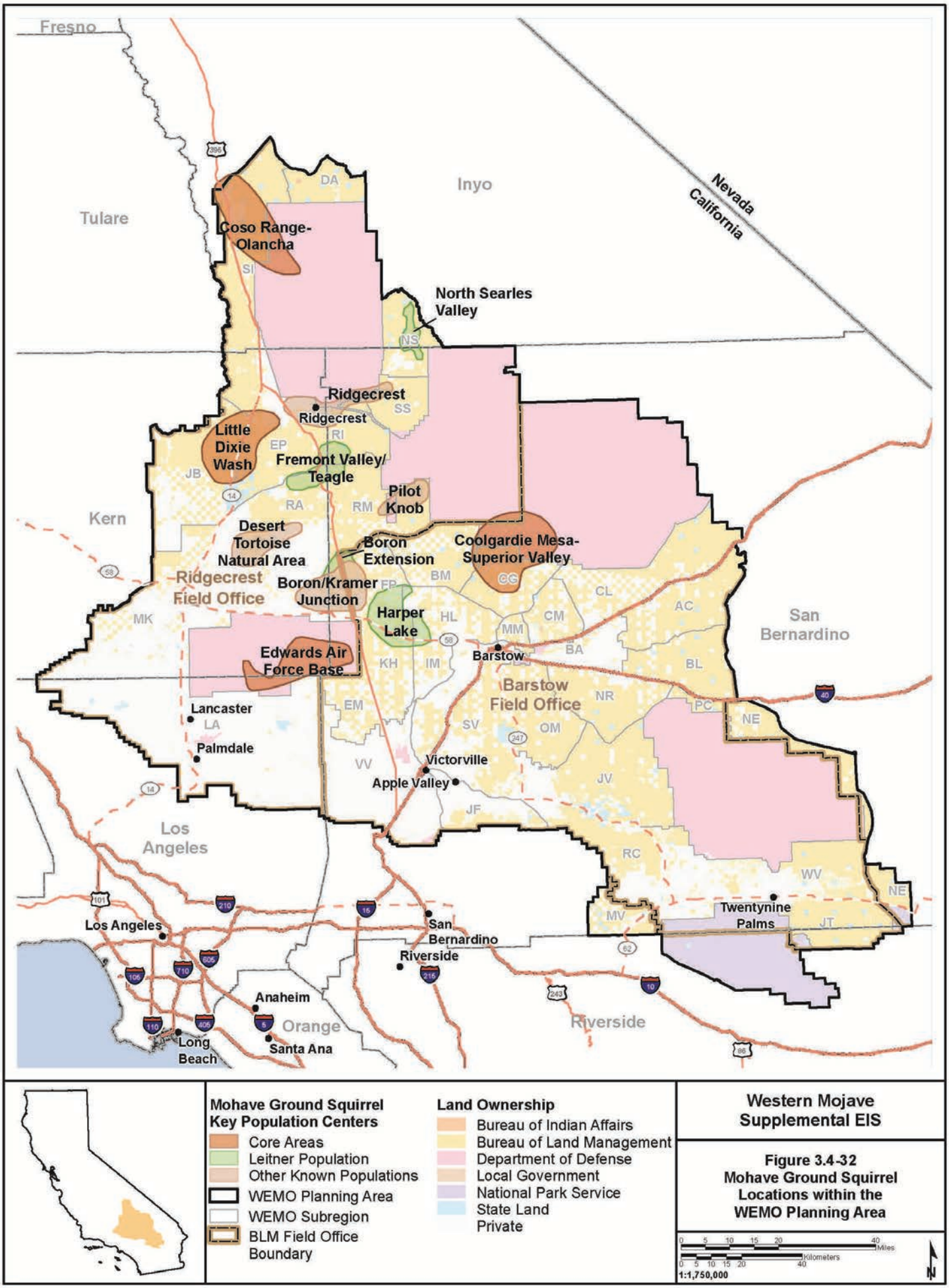
Western Mojave Supplemental EIS

Figure 3.4-30
Spanish Needle Onion Locations within the WEMO Planning Area



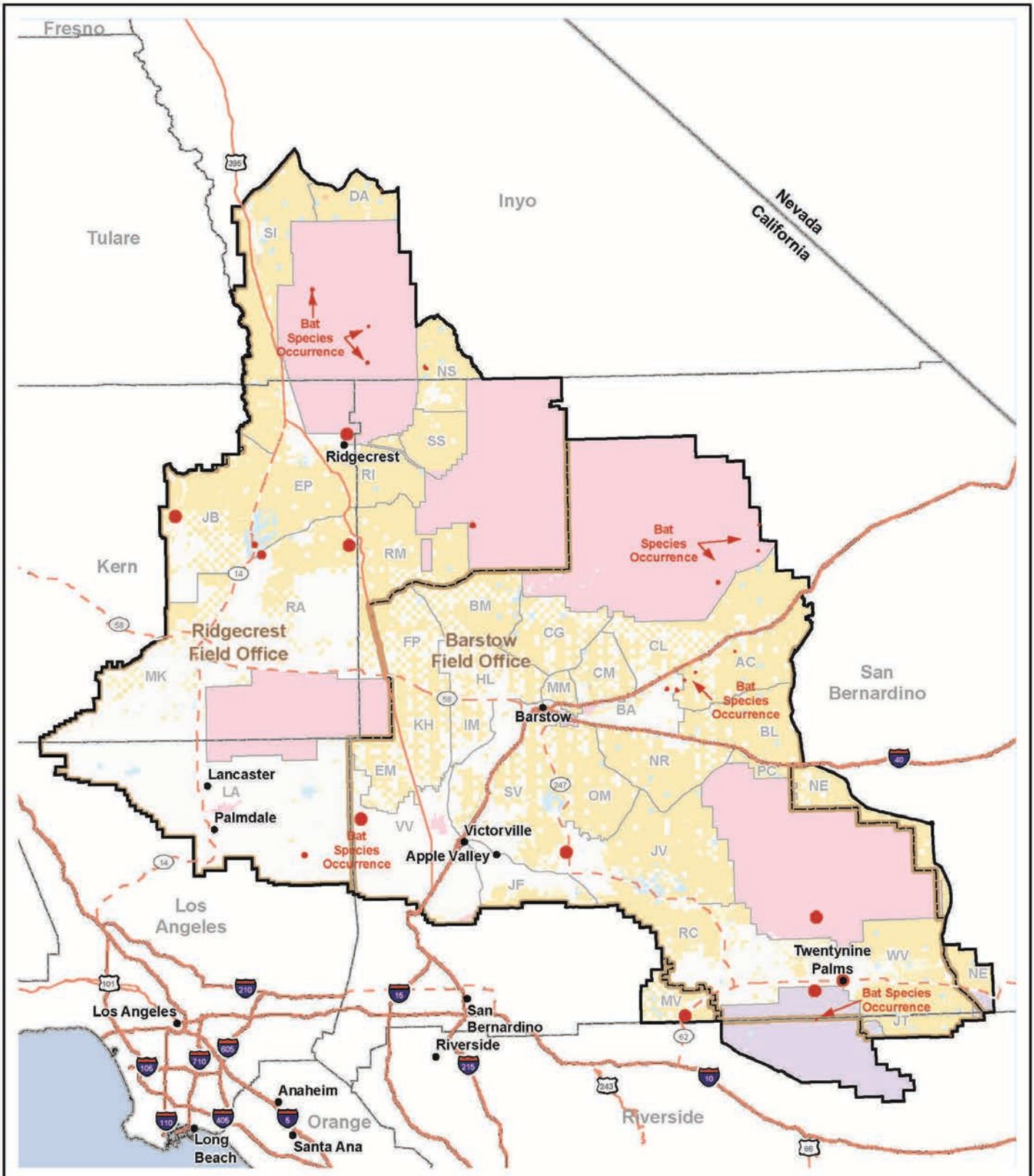
Western Mojave Supplemental EIS

Figure 3.4-31
White-margined Beardtongue Locations within the WEMO Planning Area



Western Mojave Supplemental EIS

Figure 3.4-32
Mohave Ground Squirrel Locations within the WEMO Planning Area



Bat Species*
WEMO Planning Area
WEMO Subregion
BLM Field Office Boundary
Interstate Highway
U.S. Highway
State Highway

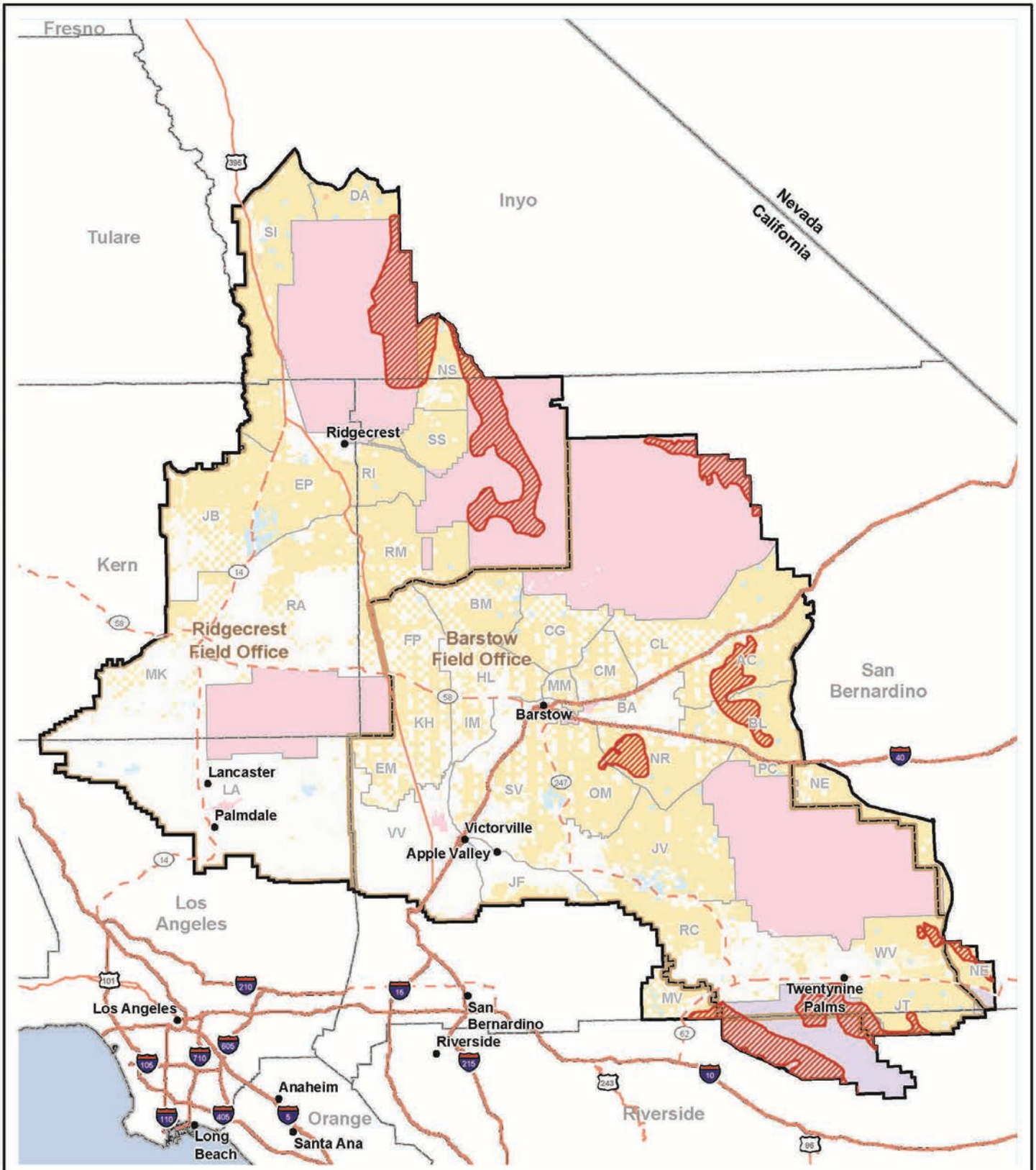
Land Ownership
Bureau of Indian Affairs
Bureau of Land Management
Department of Defense
Local Government
National Park Service
State Land
Private

*Includes: California Natural Diversity Database for Fringed Myotis, Pallid Bat, Spotted Bat, Western Mastiff Bat, and Western Small-footed Myotis.

Western Mojave Supplemental EIS

Figure 3.4-33
Bat Species Locations within the WEMO Planning Area

0 5 10 15 20 40 Miles
0 5 10 15 20 40 Kilometers
1:1,750,000
N



Desert Bighorn Sheep*
WEMO Planning Area
WEMO Subregion
BLM Field Office Boundary
Interstate Highway
U.S. Highway
State Highway

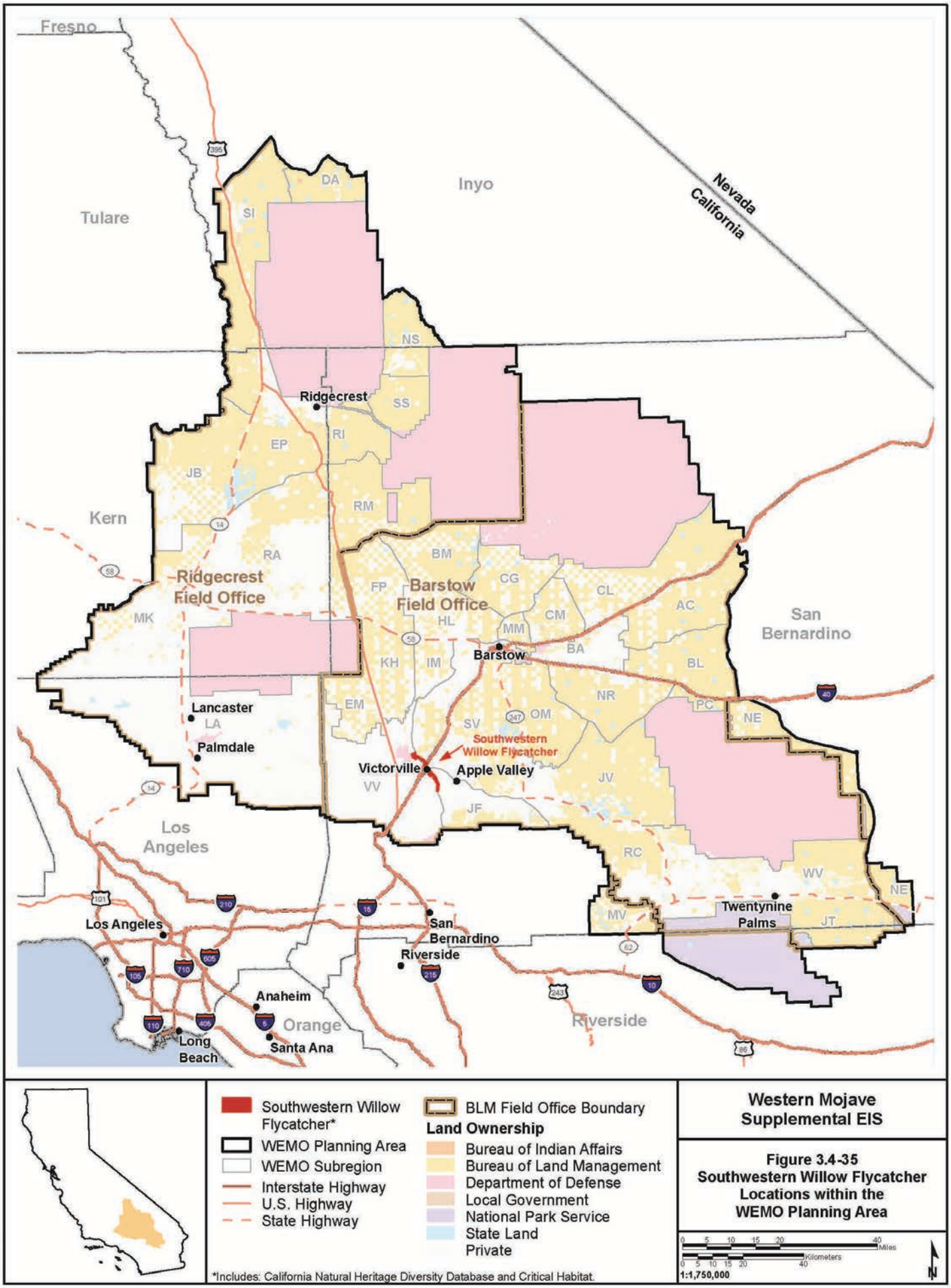
Land Ownership
Bureau of Indian Affairs
Bureau of Land Management
Department of Defense
Local Government
National Park Service
State Land
Private

*Includes: California Natural Diversity Database.

Western Mojave Supplemental EIS

Figure 3.4-34
Desert Bighorn Sheep Locations within the WEMO Planning Area

0 5 10 15 20 40 Miles
0 5 10 15 20 40 Kilometers
1:1,750,000
N



Western Mojave Supplemental EIS

Figure 3.4-35
Southwestern Willow Flycatcher Locations within the WEMO Planning Area

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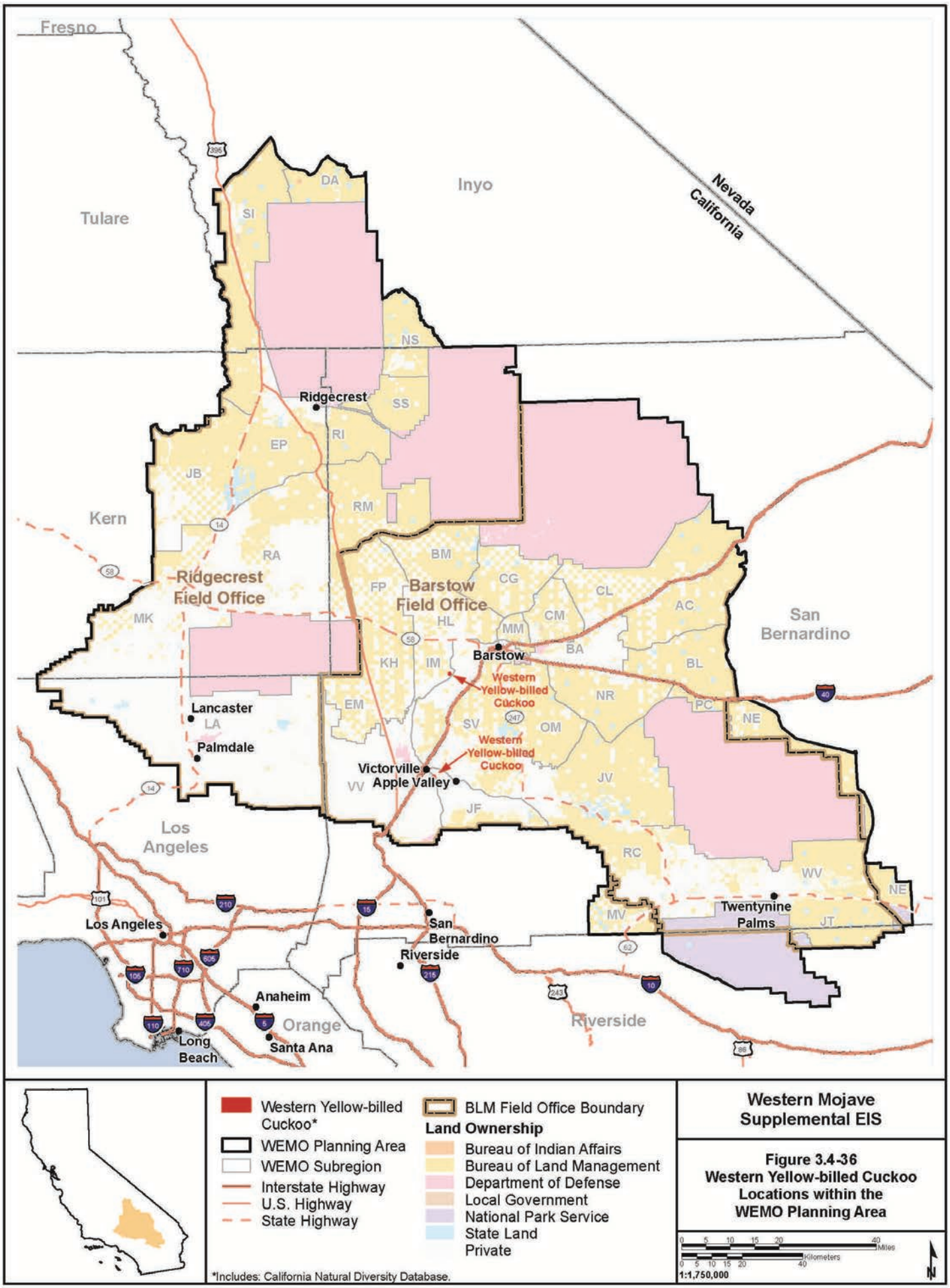
11/4/2014



Western Mojave Supplemental EIS

Figure 3.4-36
Western Yellow-billed Cuckoo Locations within the WEMO Planning Area

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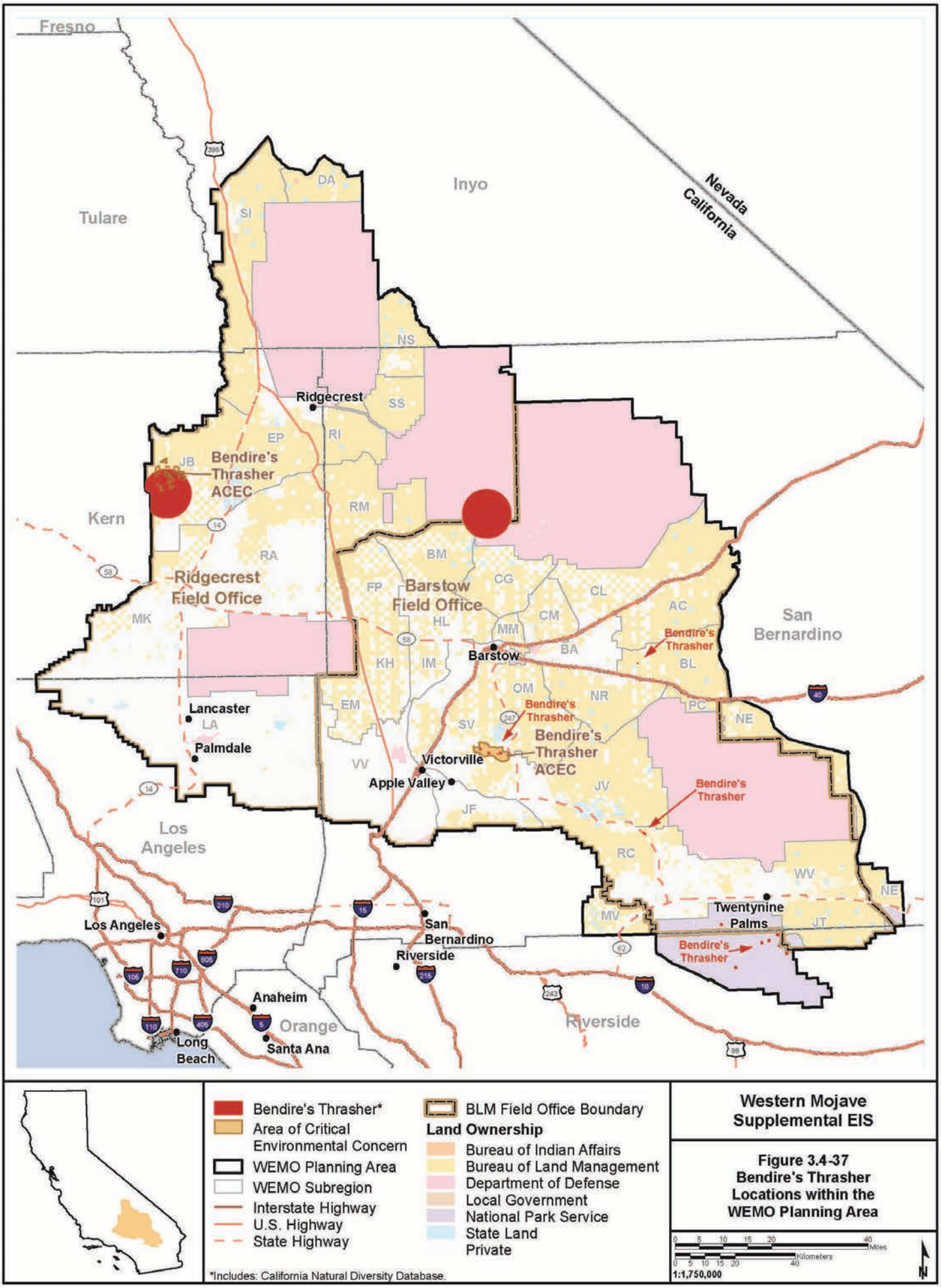
11/4/2014



Western Mojave Supplemental EIS

Figure 3.4-37
Bendire's Thrasher Locations within the WEMO Planning Area

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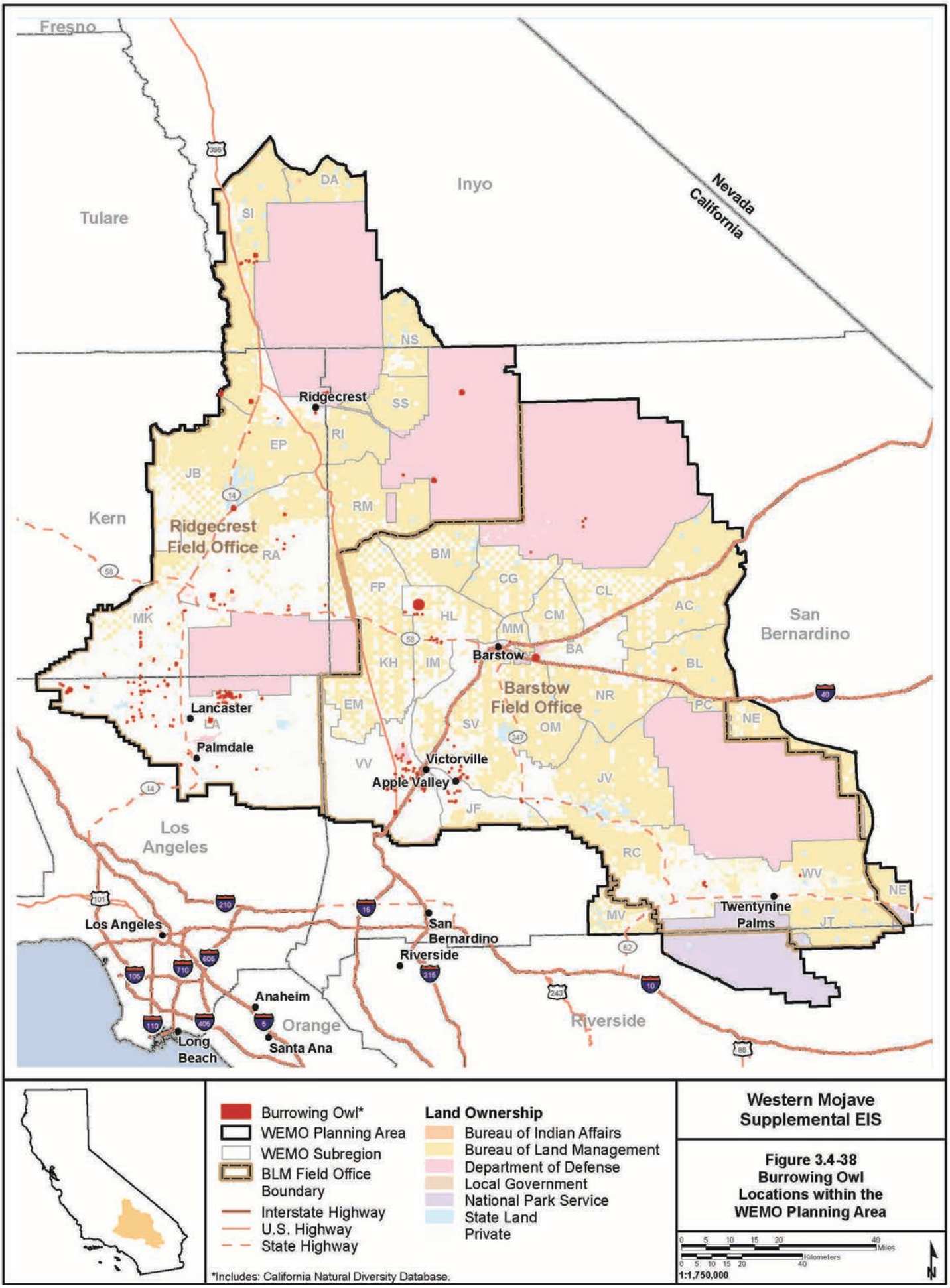
11/4/2014



Western Mojave Supplemental EIS

Figure 3.4-38 Burrowing Owl Locations within the WEMO Planning Area

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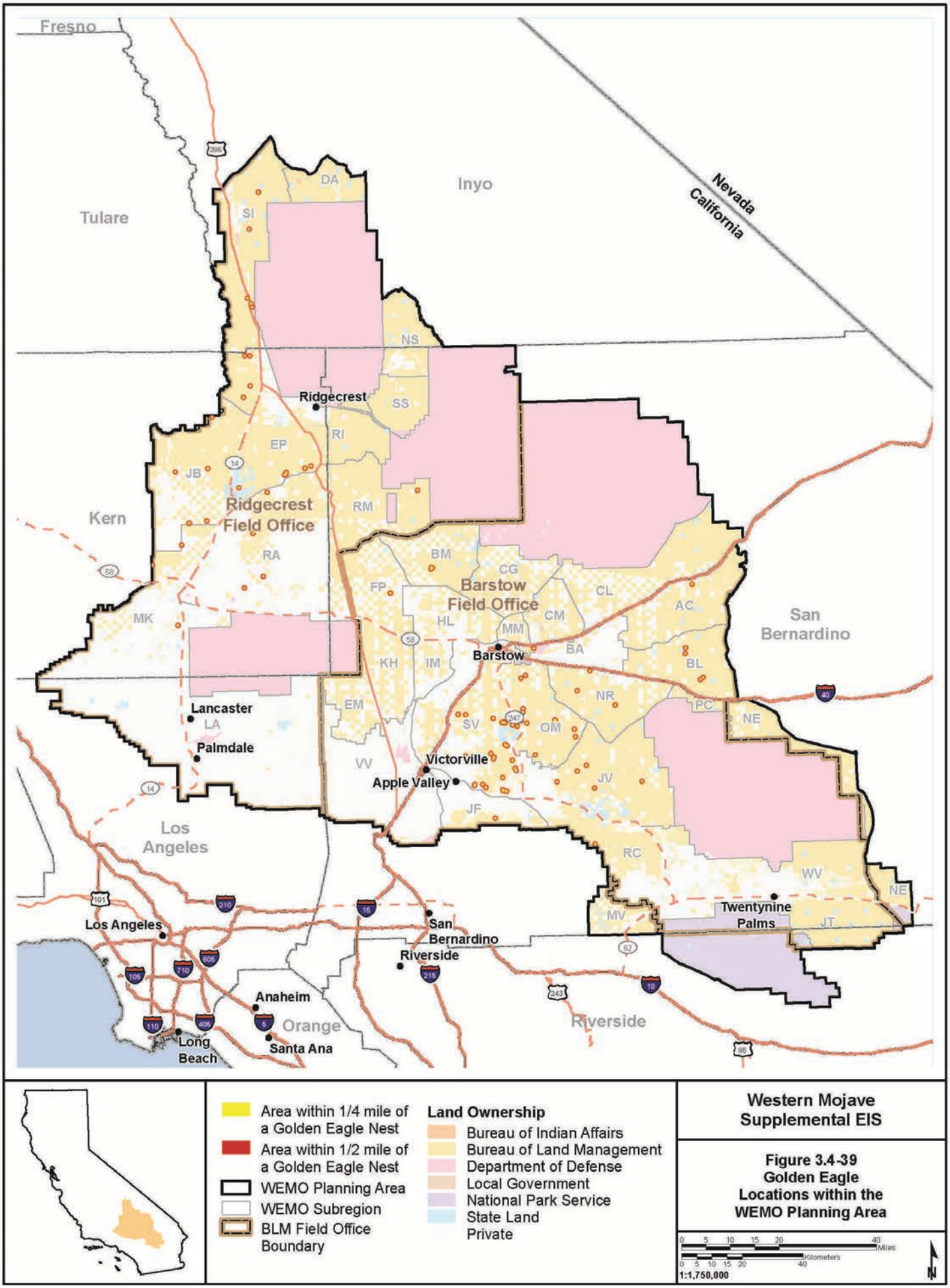
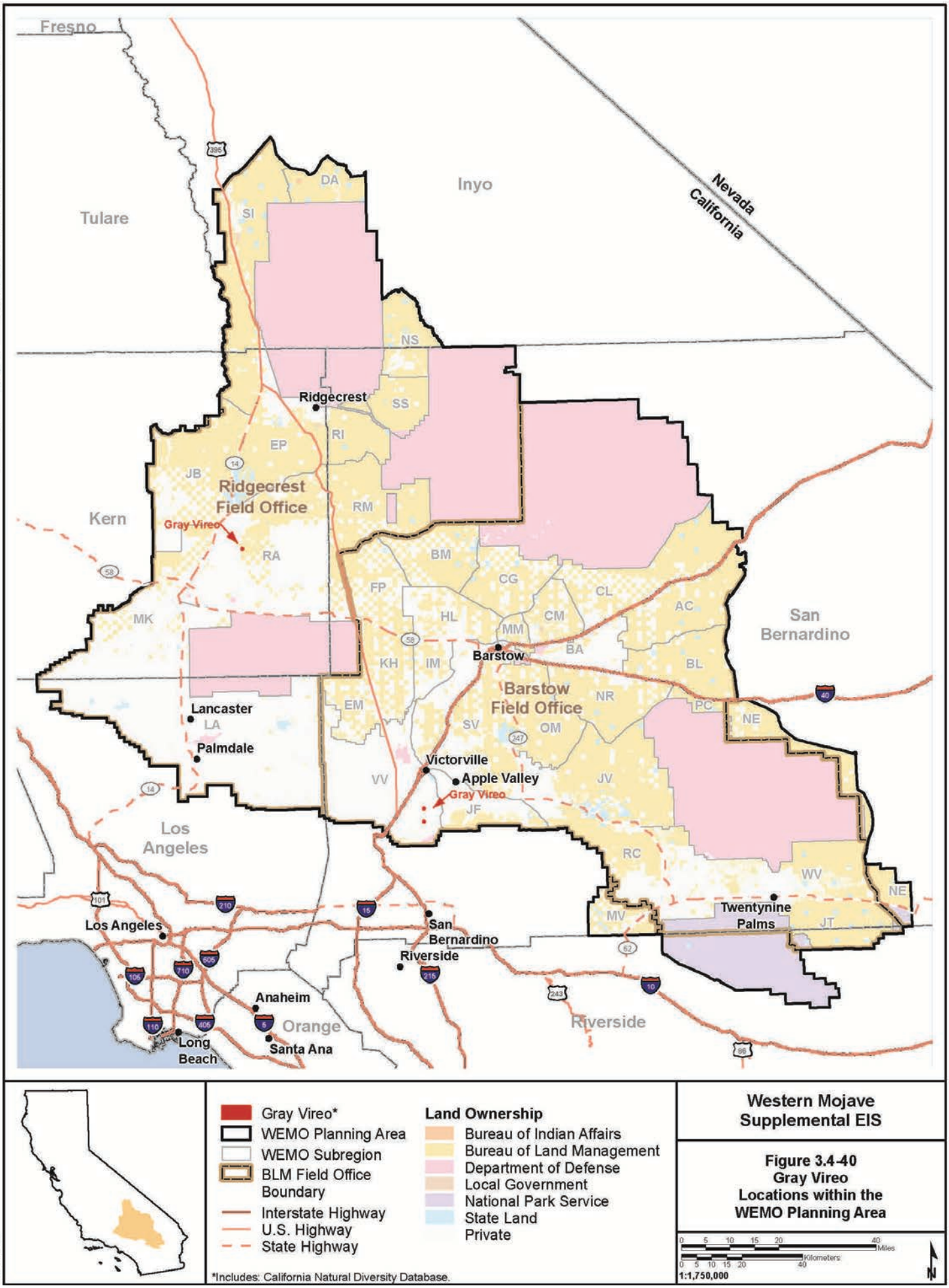
11/4/2014



Western Mojave Supplemental EIS

Figure 3.4-39 Golden Eagle Locations within the WEMO Planning Area



Western Mojave Supplemental EIS

Figure 3.4-40
Gray Vireo
Locations within the WEMO Planning Area

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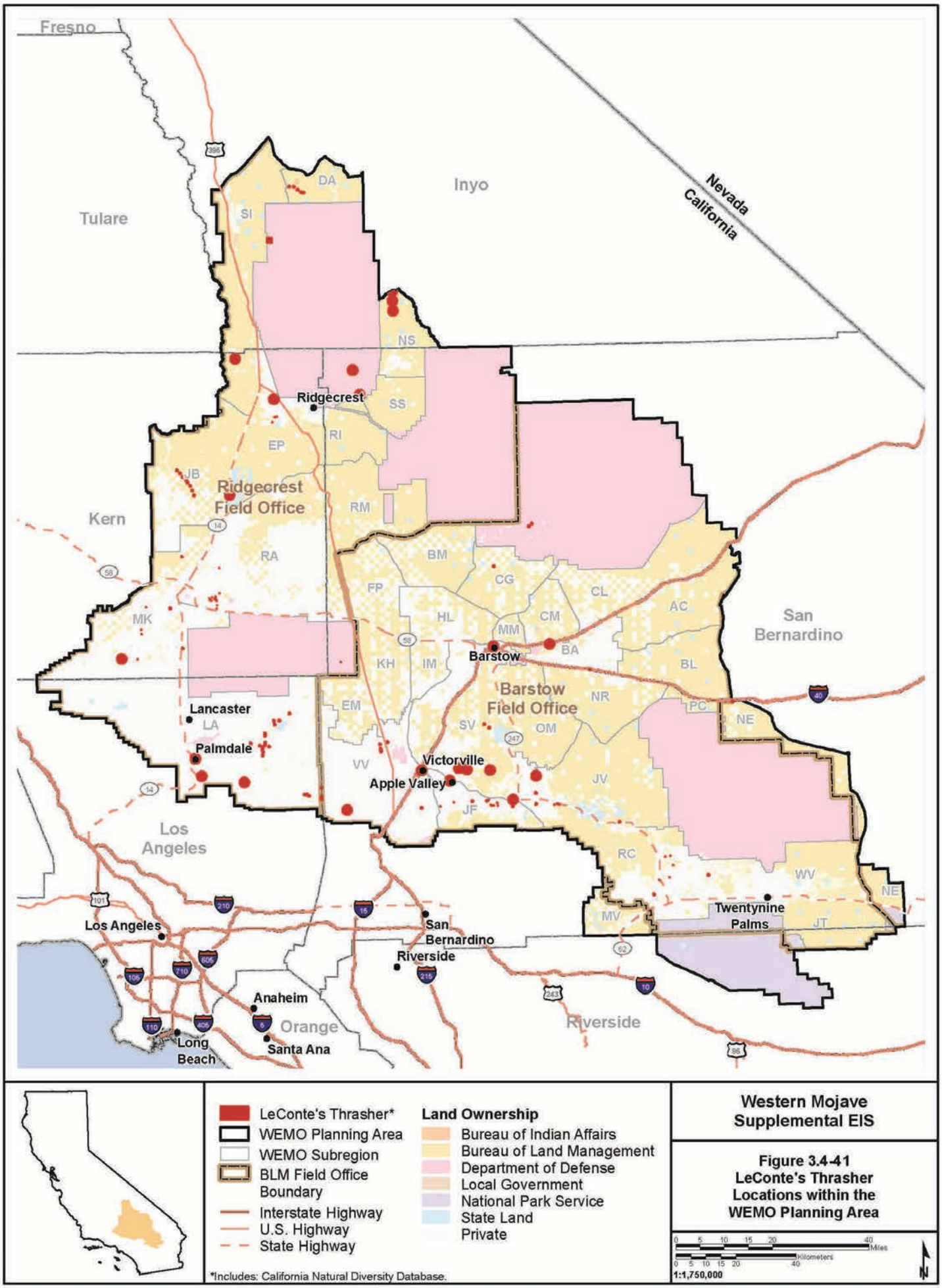
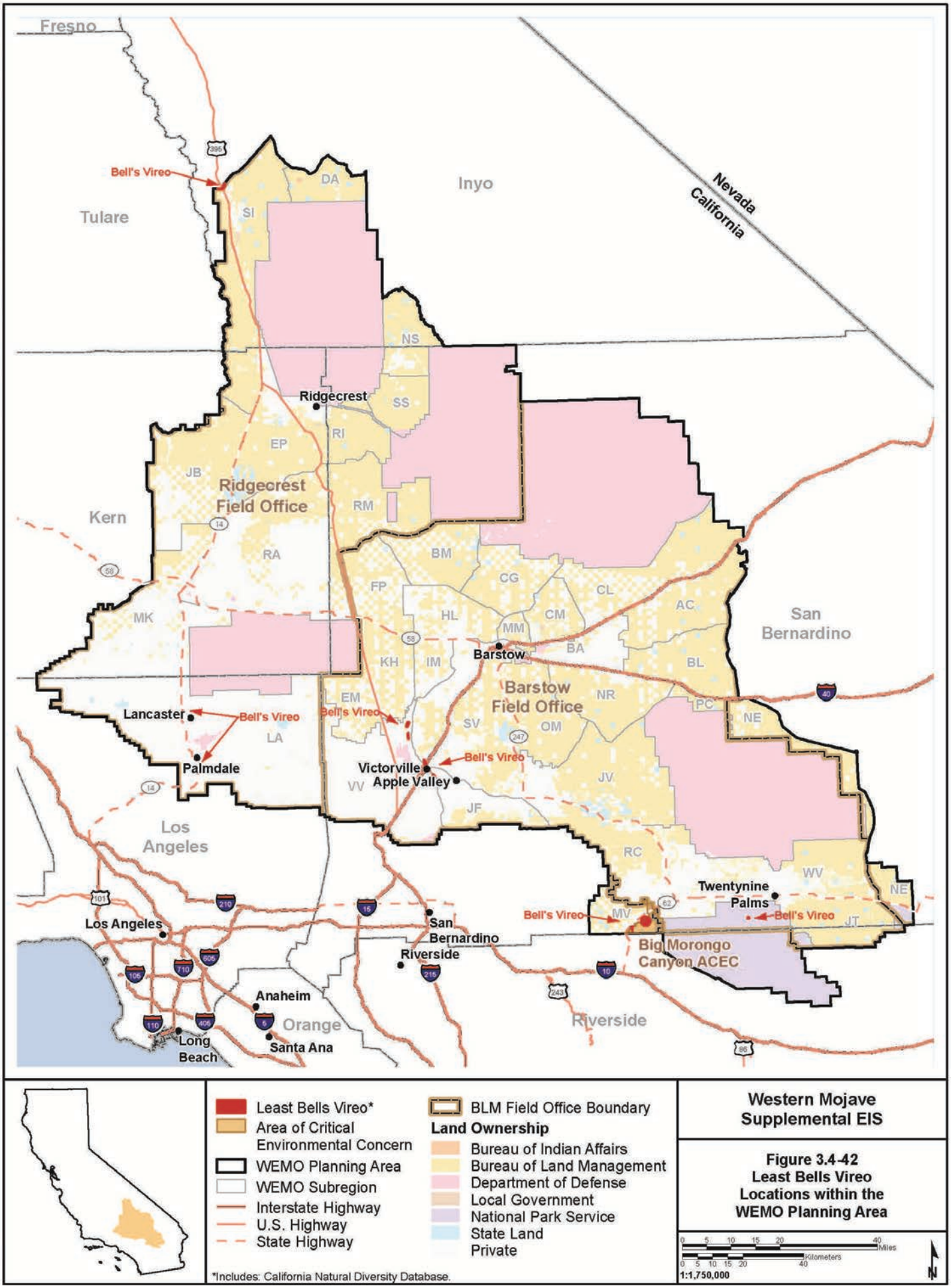
11/4/2014



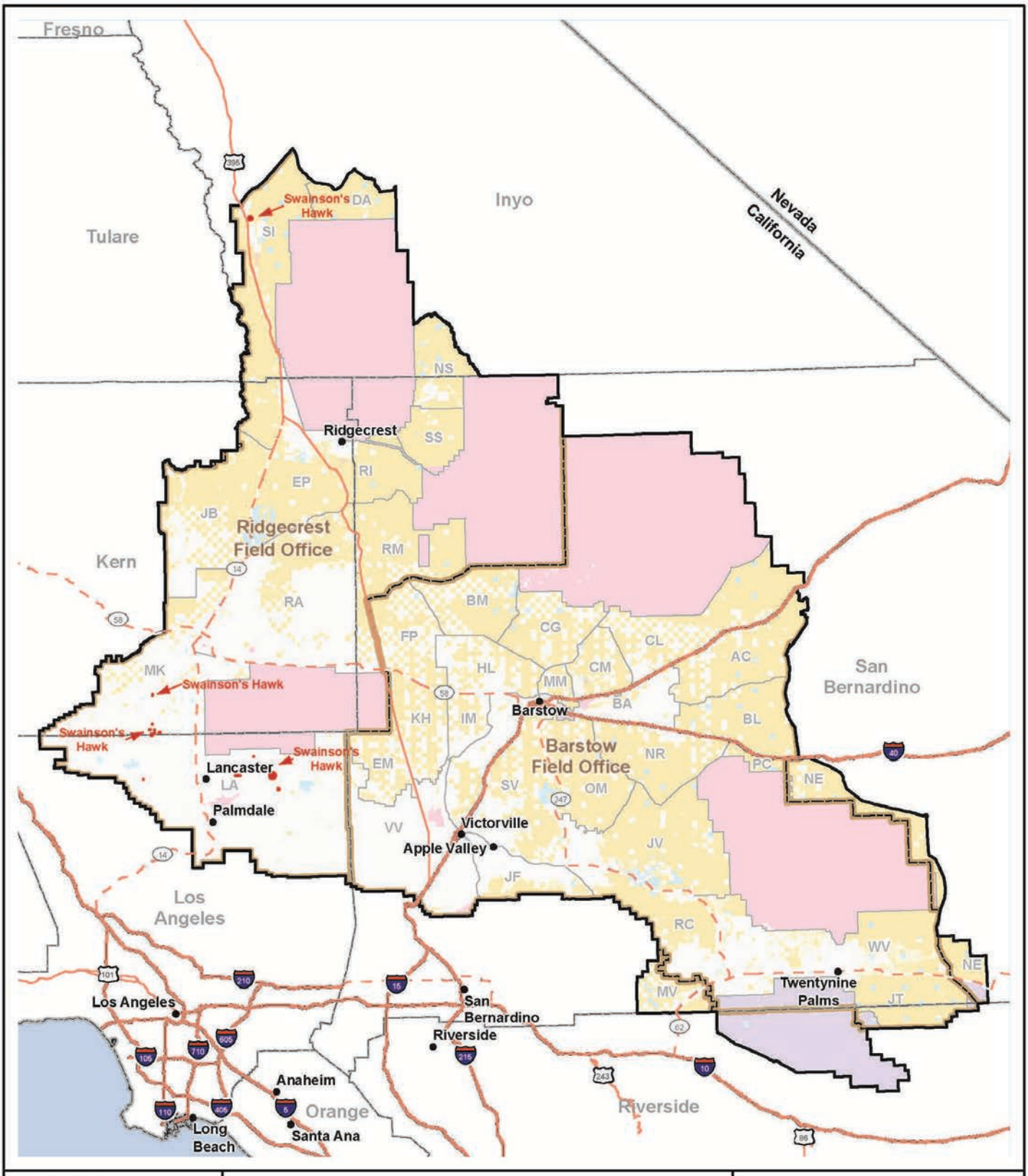
Western Mojave Supplemental EIS

Figure 3.4-41
LeConte's Thrasher Locations within the WEMO Planning Area



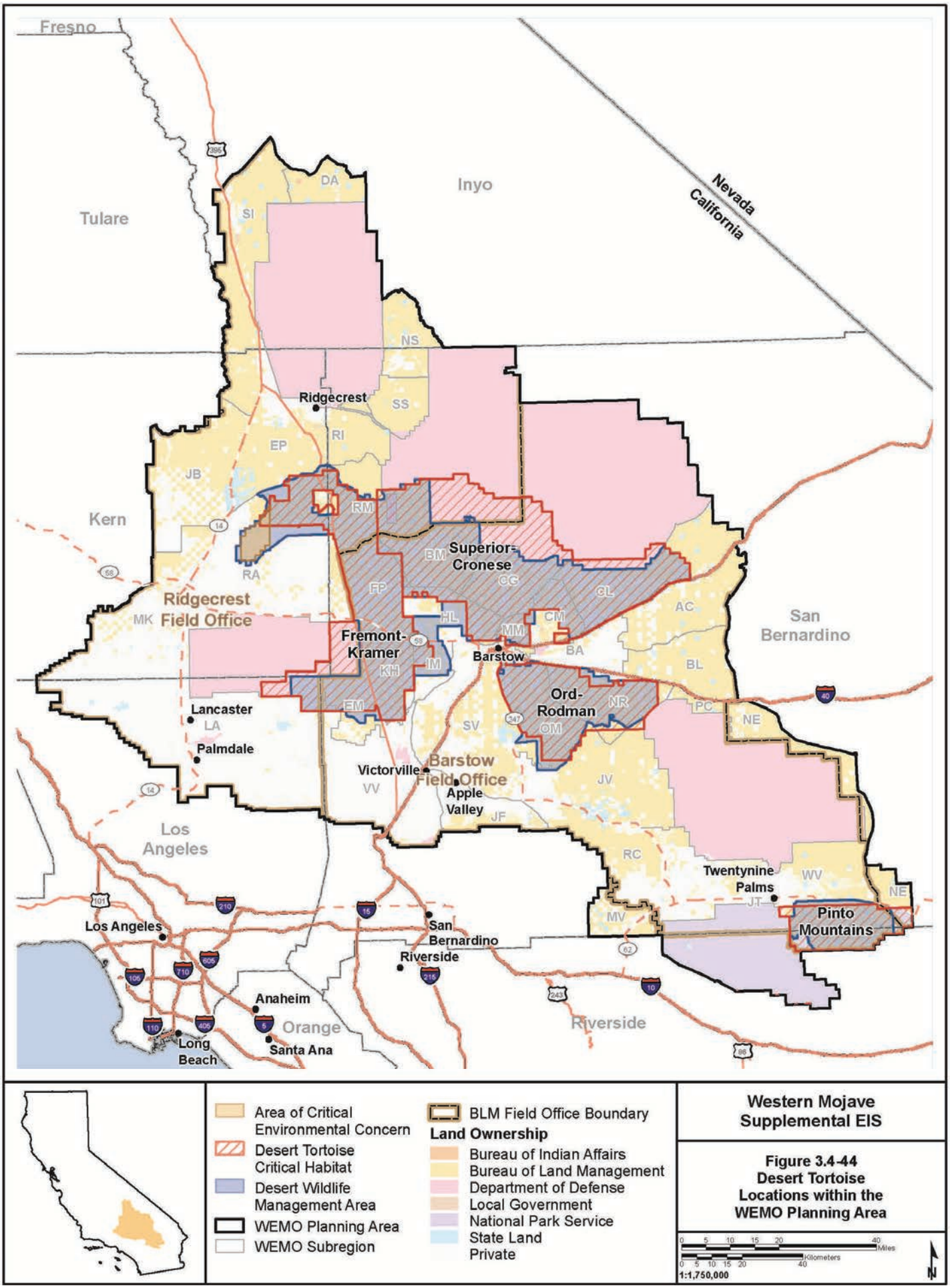
Western Mojave Supplemental EIS

Figure 3.4-42
Least Bells Vireo Locations within the WEMO Planning Area



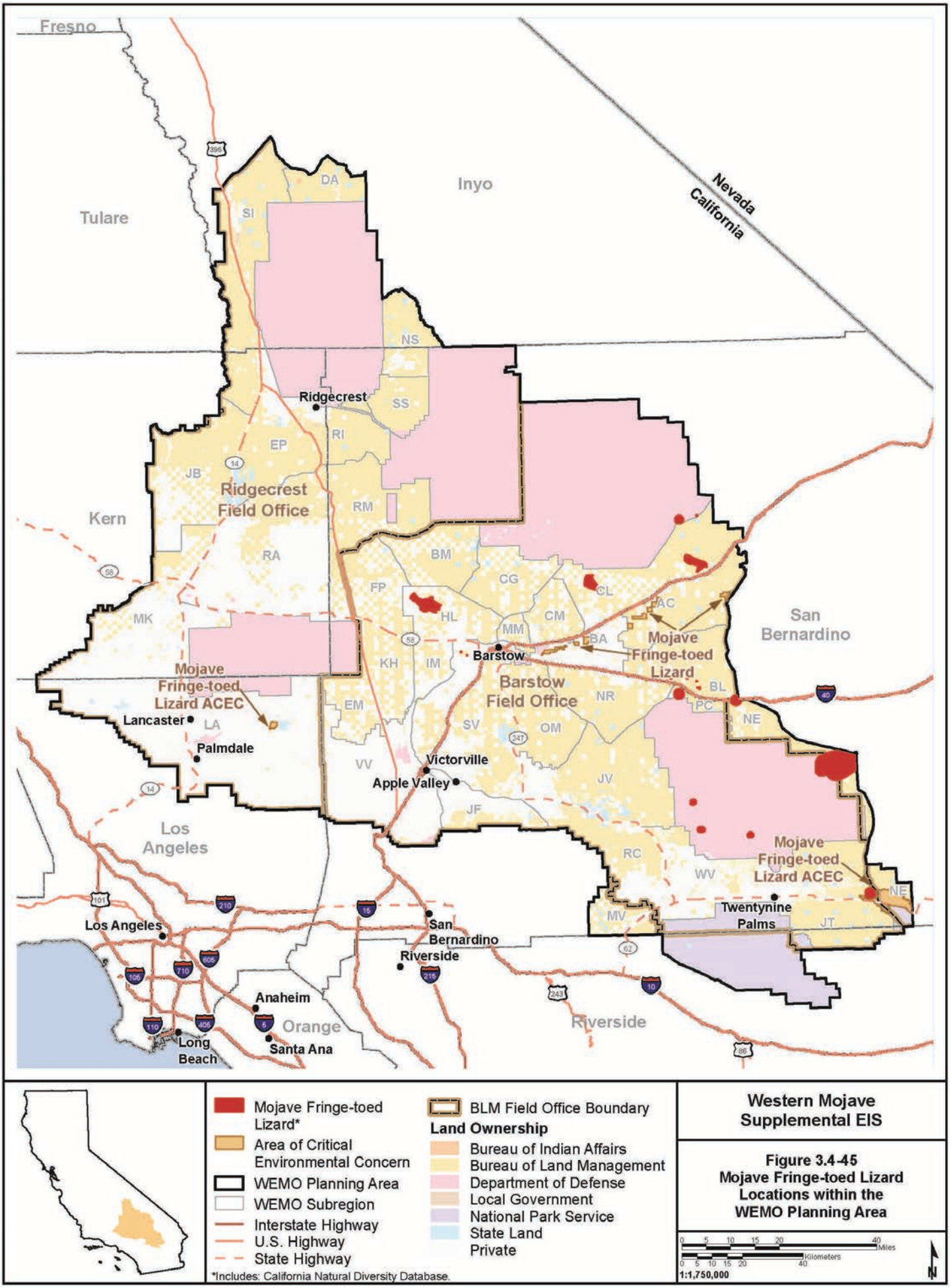
Western Mojave Supplemental EIS

Figure 3.4-43 Swainson's Hawk Locations within the WEMO Planning Area



Western Mojave Supplemental EIS

Figure 3.4-44 Desert Tortoise Locations within the WEMO Planning Area



Western Mojave Supplemental EIS

Figure 3.4-45
Mojave Fringe-toed Lizard Locations within the WEMO Planning Area

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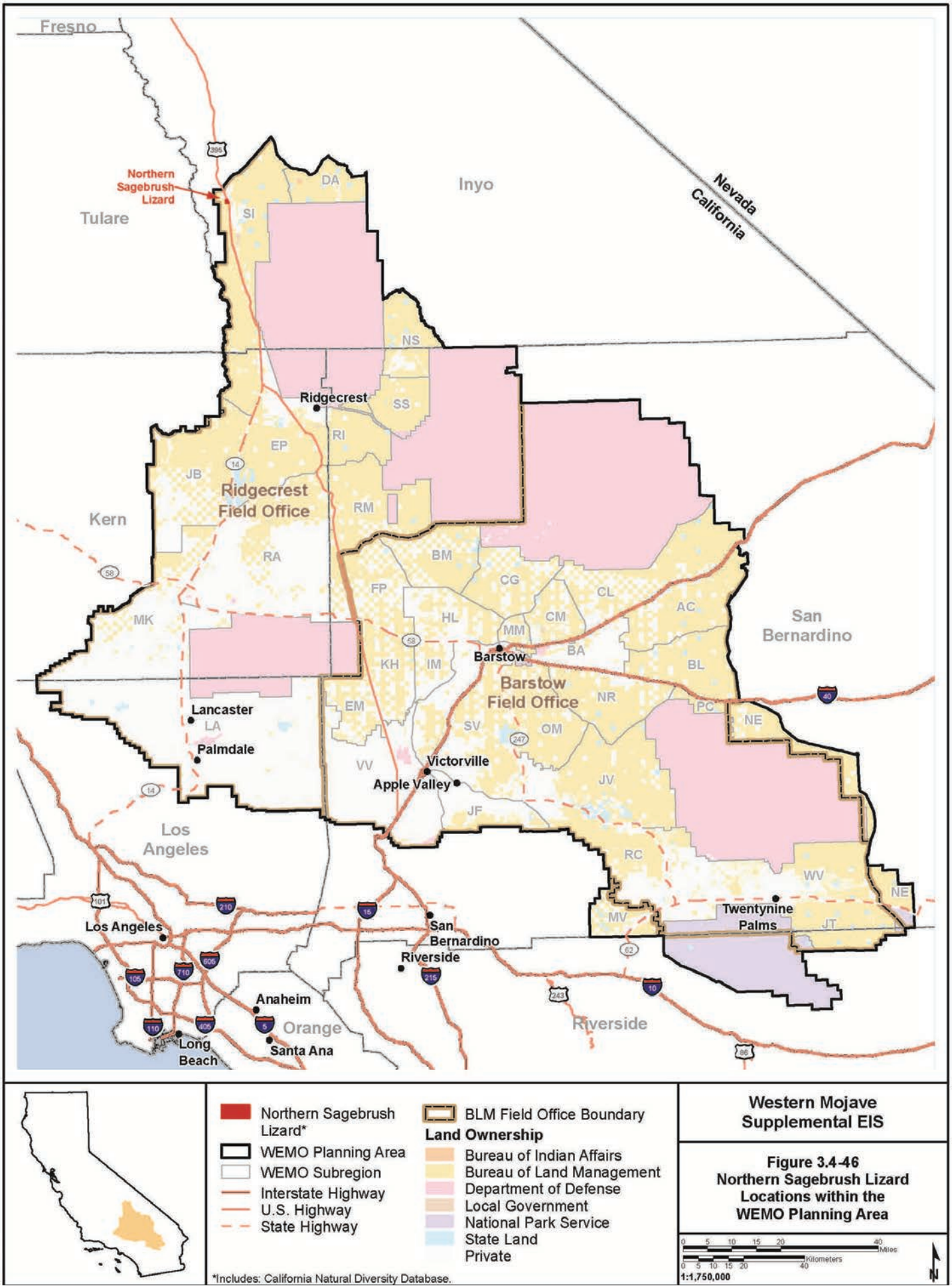
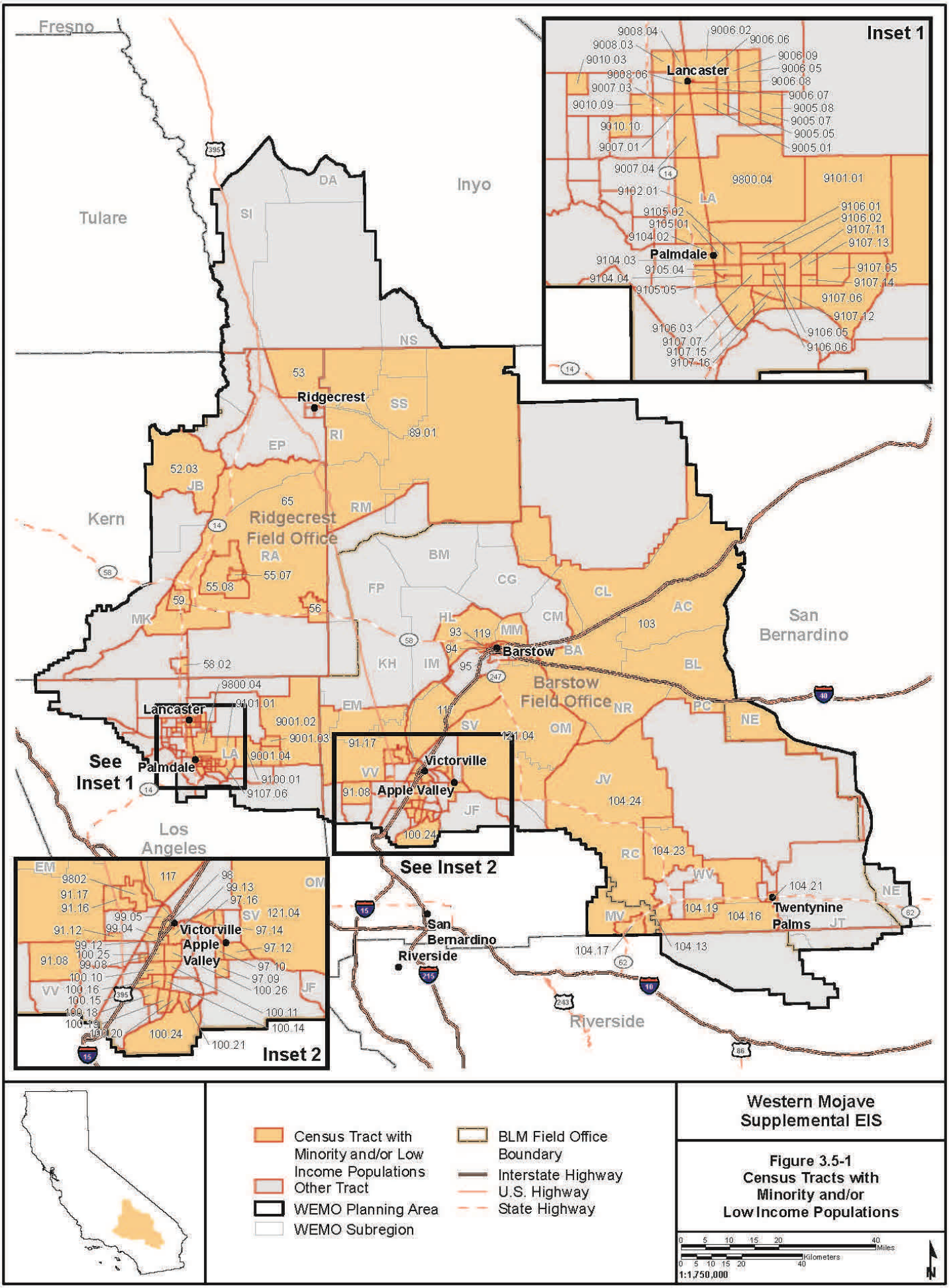
11/5/2014



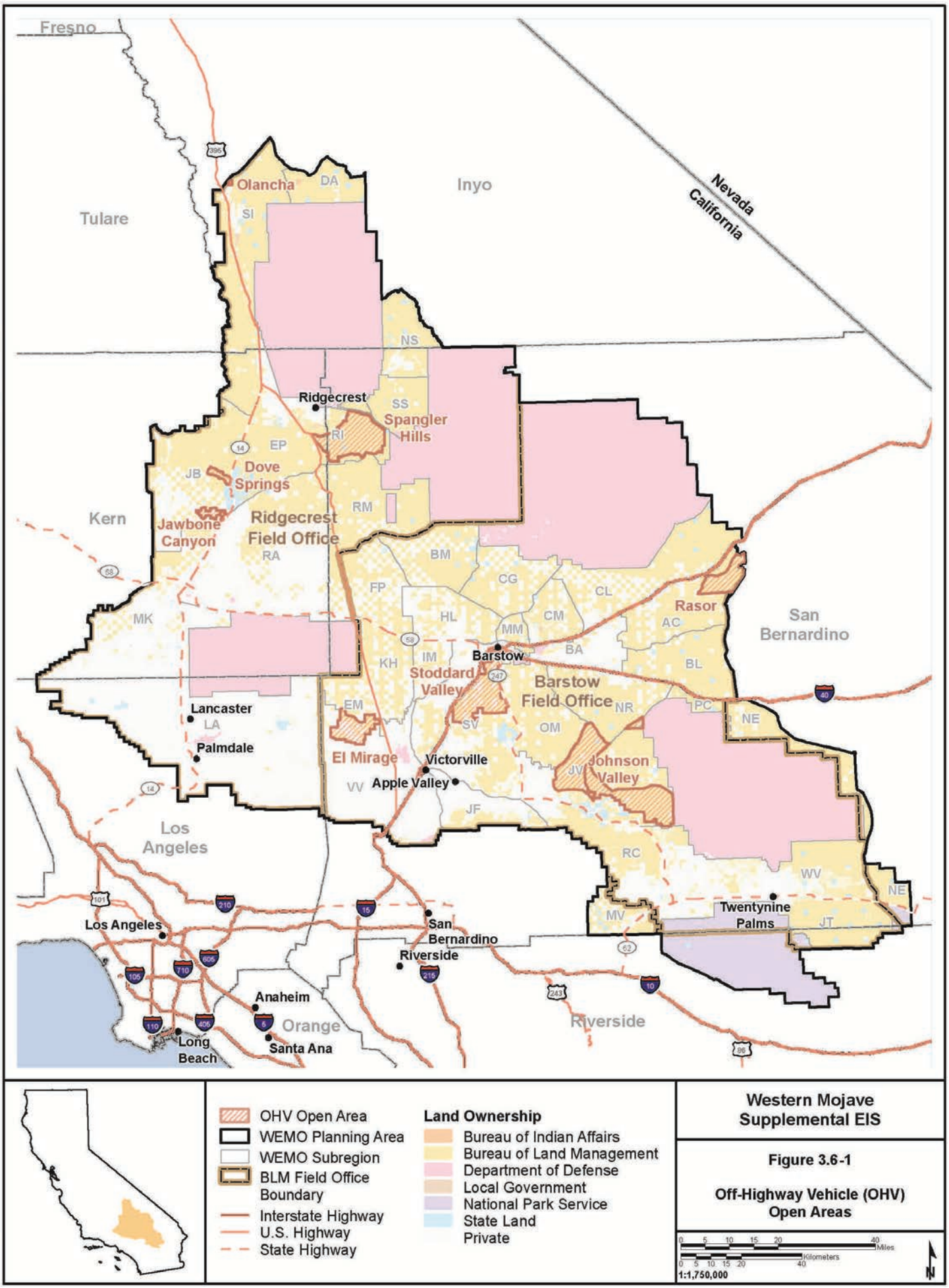
Western Mojave Supplemental EIS

Figure 3.4-46
Northern Sagebrush Lizard Locations within the WEMO Planning Area



Western Mojave Supplemental EIS

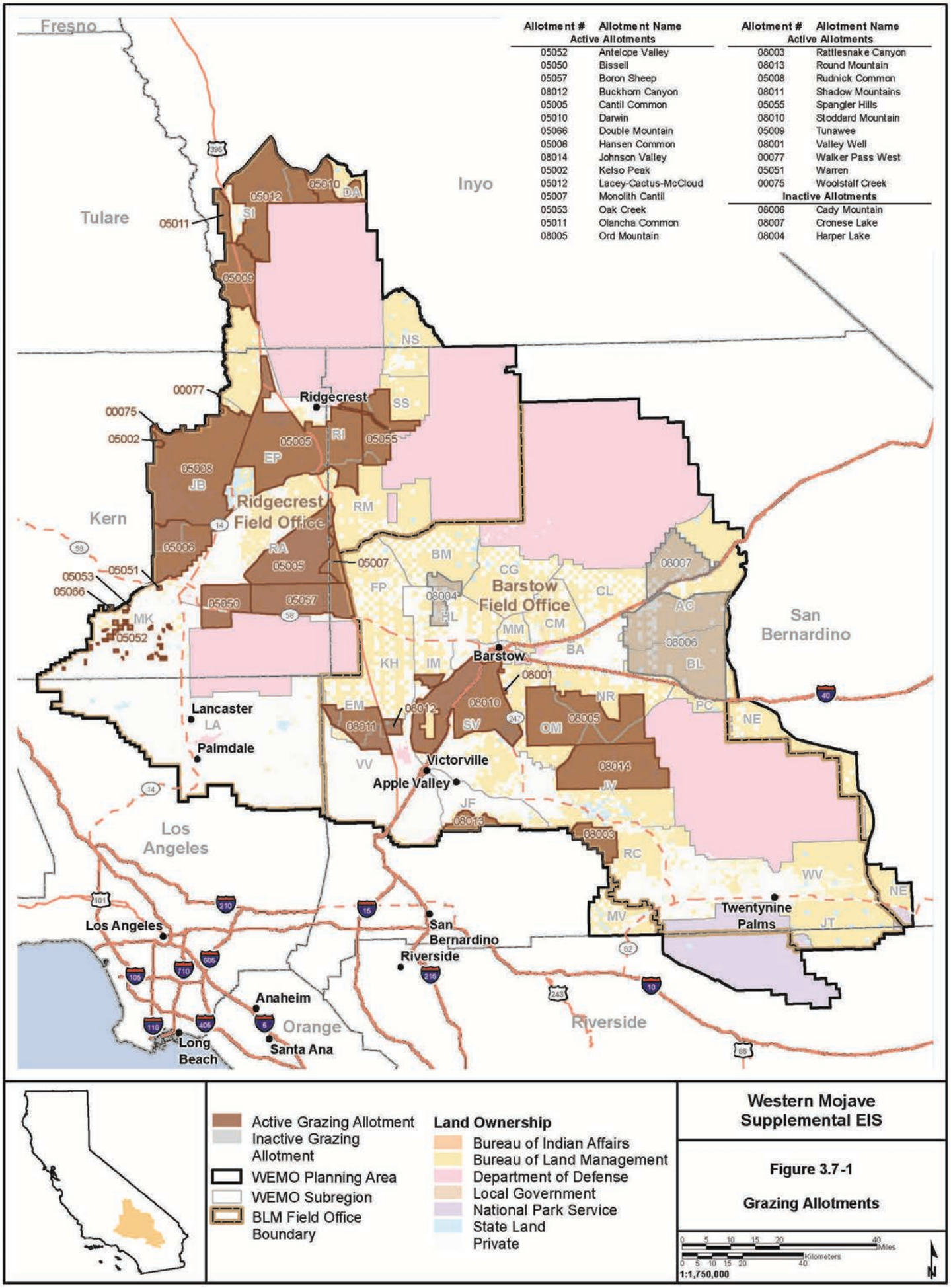
Figure 3.5-1
Census Tracts with Minority and/or Low Income Populations



Western Mojave Supplemental EIS

Figure 3.6-1

Off-Highway Vehicle (OHV) Open Areas



Allotment #	Allotment Name
Active Allotments	
05052	Antelope Valley
05050	Bissell
05057	Boron Sheep
08012	Buckhorn Canyon
05005	Cantil Common
05010	Darwin
05066	Double Mountain
05006	Hansen Common
08014	Johnson Valley
05002	Kelso Peak
05012	Lacey-Cactus-McCloud
05007	Monolith Cantil
05053	Oak Creek
05011	Olancha Common
08005	Ord Mountain

Allotment #	Allotment Name
Active Allotments	
08003	Rattlesnake Canyon
08013	Round Mountain
05008	Rudnick Common
08011	Shadow Mountains
05055	Spangler Hills
08010	Stoddard Mountain
05009	Tunawee
08001	Valley Well
00077	Walker Pass West
05051	Warren
00075	Woolstalf Creek
Inactive Allotments	
08006	Cady Mountain
08007	Cronese Lake
08004	Harper Lake

Active Grazing Allotment
Inactive Grazing Allotment
WEMO Planning Area
WEMO Subregion
BLM Field Office Boundary

Land Ownership
Bureau of Indian Affairs
Bureau of Land Management
Department of Defense
Local Government
National Park Service
State Land
Private

Western Mojave Supplemental EIS

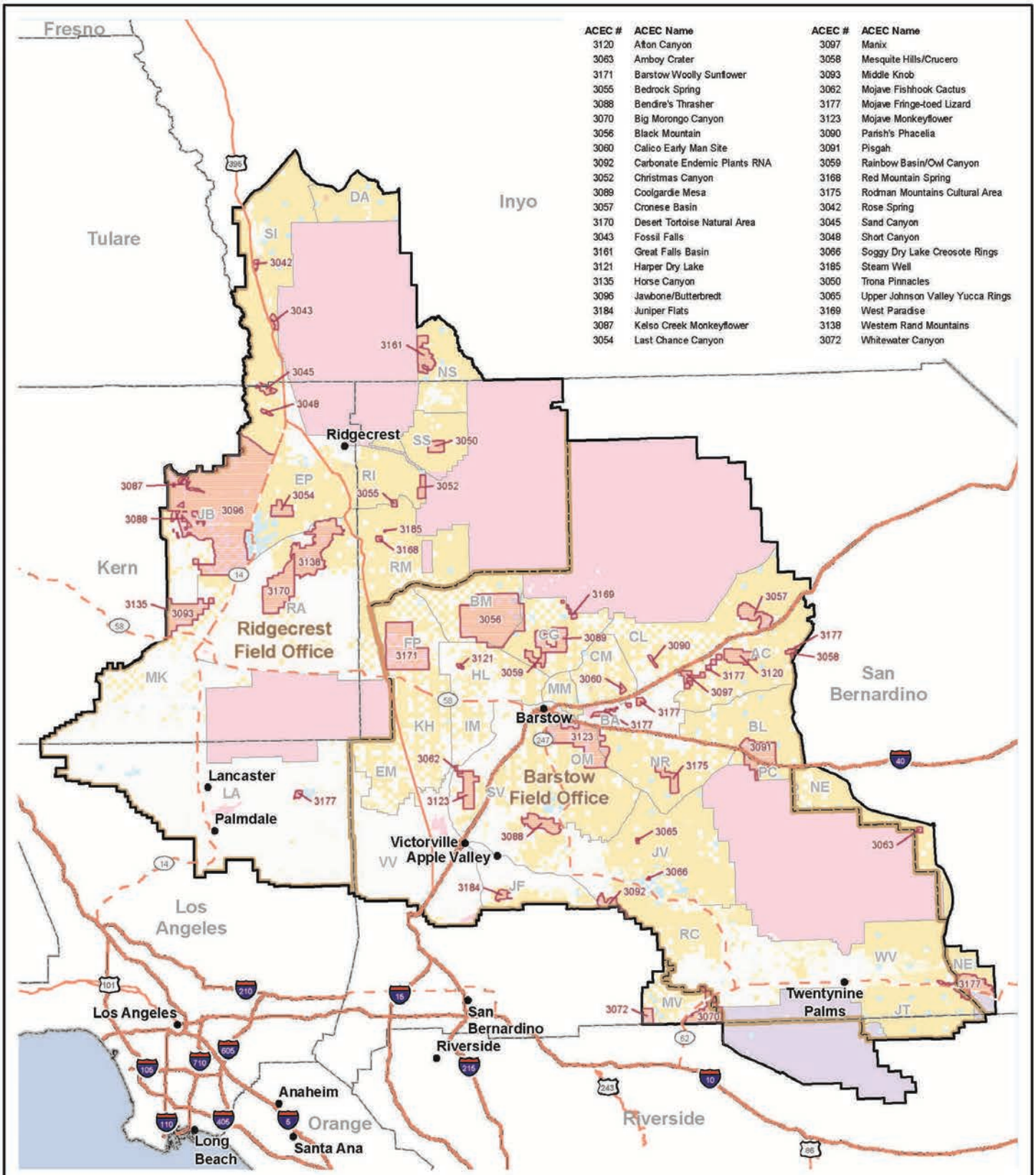
Figure 3.7-1

Grazing Allotments

0 5 10 15 20 40 Miles
0 5 10 15 20 40 Kilometers
1:1,750,000

X:\0Projects\BLM WEMO SEIS 60078460\FIGS\DOC\1 PDFIS\Figure 3.07-01 GrazingAllotments.mxd

11/14/2014



ACEC #	ACEC Name	ACEC #	ACEC Name
3120	Afton Canyon	3097	Manix
3063	Amboy Crater	3058	Mesquite Hills/Crucero
3171	Barstow Woolly Sunflower	3093	Middle Knob
3055	Bedrock Spring	3062	Mojave Fishhook Cactus
3088	Bendire's Thrasher	3177	Mojave Fringe-toed Lizard
3070	Big Morongo Canyon	3123	Mojave Monkeyflower
3056	Black Mountain	3090	Parish's Phacelia
3060	Calico Early Man Site	3091	Pisgah
3092	Carbonate Endemic Plants RNA	3059	Rainbow Basin/Owl Canyon
3052	Christmas Canyon	3168	Red Mountain Spring
3089	Coolgardie Mesa	3175	Rodman Mountains Cultural Area
3057	Cronese Basin	3042	Rose Spring
3170	Desert Tortoise Natural Area	3045	Sand Canyon
3043	Fossil Falls	3048	Short Canyon
3161	Great Falls Basin	3066	Soggy Dry Lake Creosote Rings
3121	Harper Dry Lake	3185	Steam Well
3135	Horse Canyon	3050	Trona Pinnacles
3096	Jawbone/Butterbredt	3065	Upper Johnson Valley Yucca Rings
3184	Juniper Flats	3169	West Paradise
3087	Kelso Creek Monkeyflower	3138	Western Rand Mountains
3054	Last Chance Canyon	3072	Whitewater Canyon

ACEC
WEMO Planning Area
WEMO Subregion
BLM Field Office Boundary
Interstate Highway
U.S. Highway
State Highway

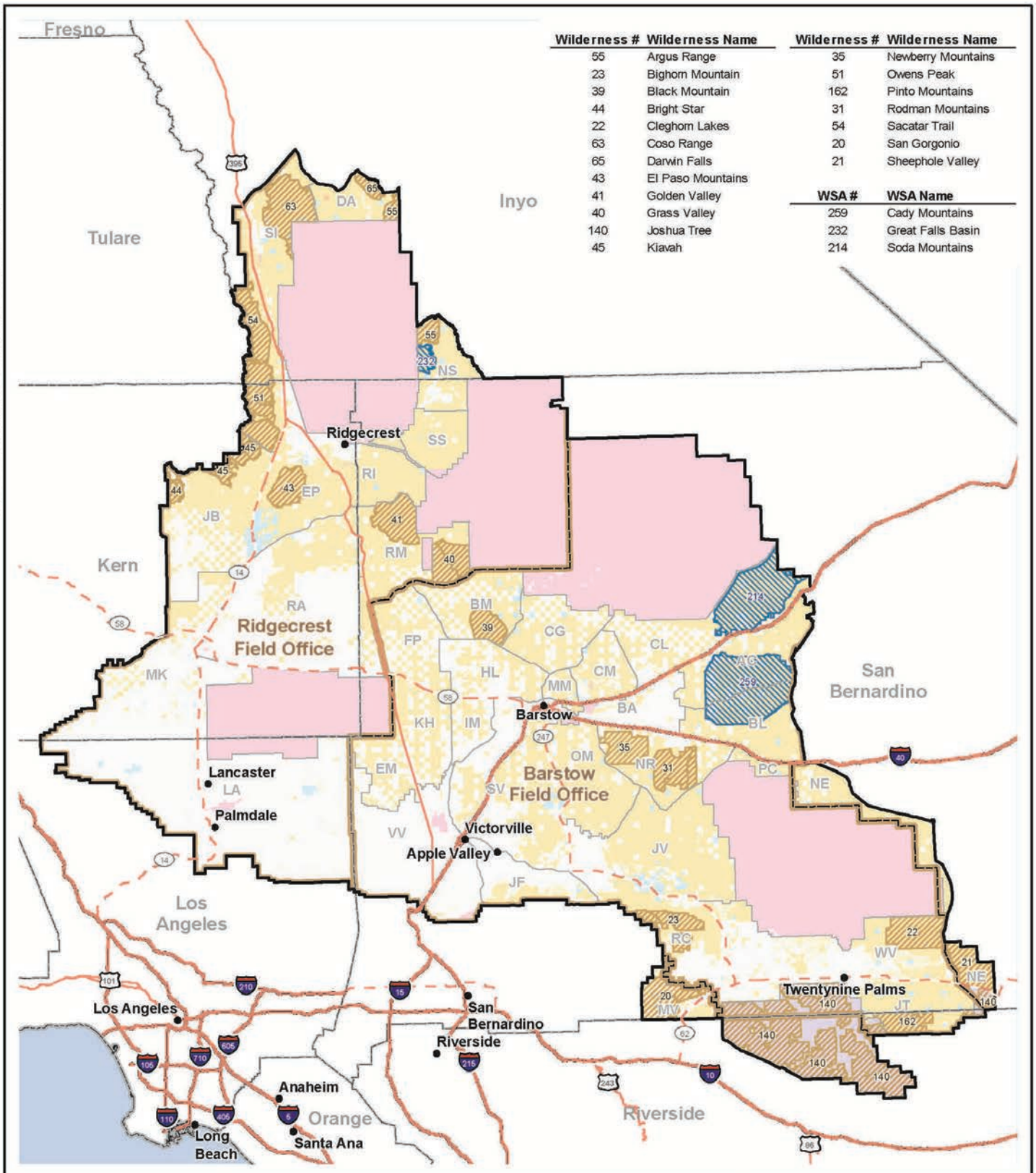
Land Ownership
Bureau of Indian Affairs
Bureau of Land Management
Department of Defense
Local Government
National Park Service
State Land
Private

Western Mojave Supplemental EIS

Figure 3.11-1

Areas of Critical Environmental Concern

0 5 10 15 20 40 Miles
0 5 10 15 20 40 Kilometers
1:1,750,000
N



Wilderness #	Wilderness Name
55	Argus Range
23	Bighorn Mountain
39	Black Mountain
44	Bright Star
22	Cleghorn Lakes
63	Coso Range
65	Darwin Falls
43	El Paso Mountains
41	Golden Valley
40	Grass Valley
140	Joshua Tree
45	Kiavah

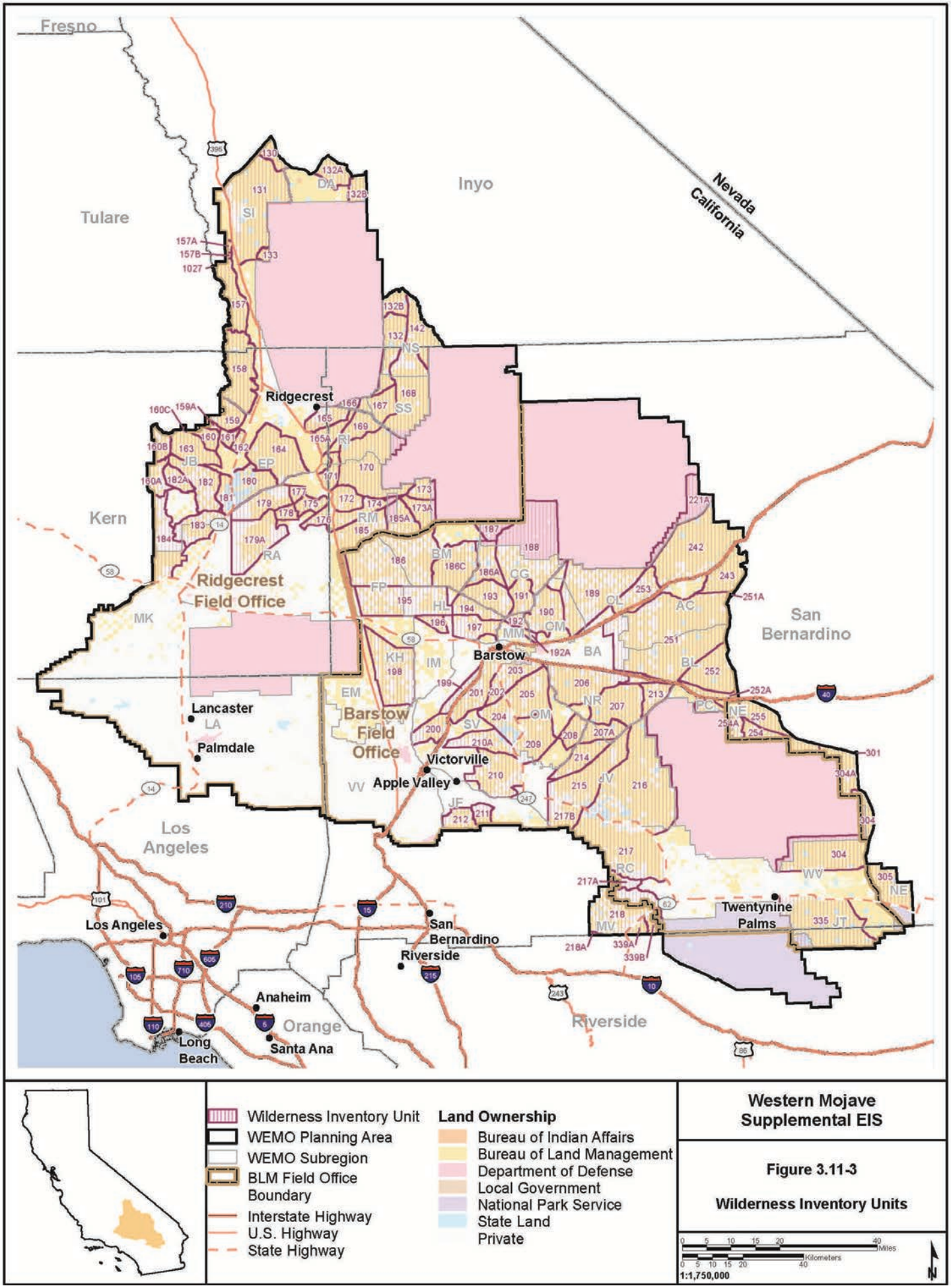
Wilderness #	Wilderness Name
35	Newberry Mountains
51	Owens Peak
162	Pinto Mountains
31	Rodman Mountains
54	Sacatar Trail
20	San Gorgonio
21	Sheephole Valley

WSA #	WSA Name
259	Cady Mountains
232	Great Falls Basin
214	Soda Mountains

Western Mojave Supplemental EIS

Figure 3.11-2

Wilderness Areas and Wilderness Study Areas



Western Mojave Supplemental EIS

Figure 3.11-3

Wilderness Inventory Units

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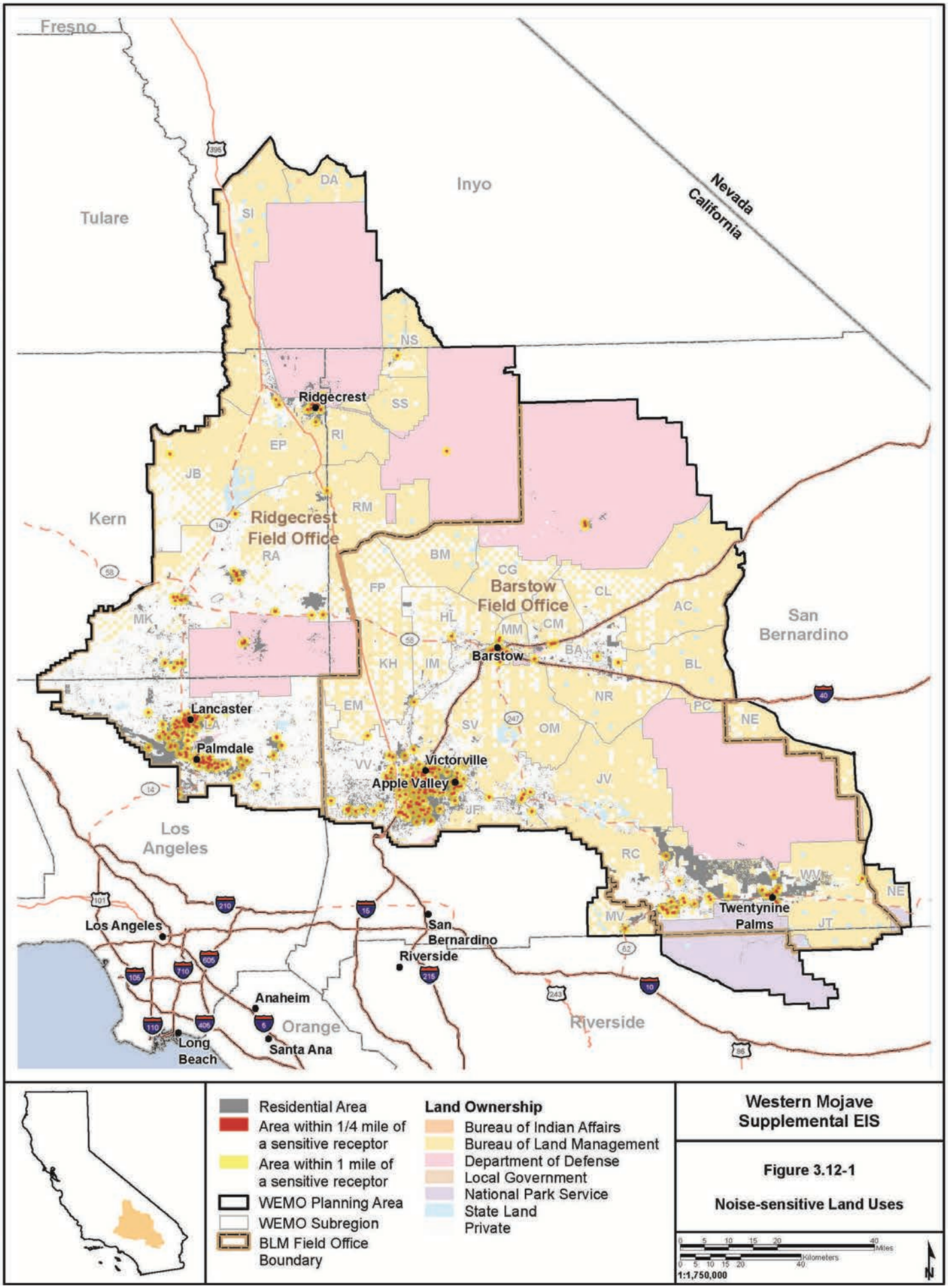
11/4/2014



Western Mojave Supplemental EIS

Figure 3.12-1

Noise-sensitive Land Uses

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11/4/2014