




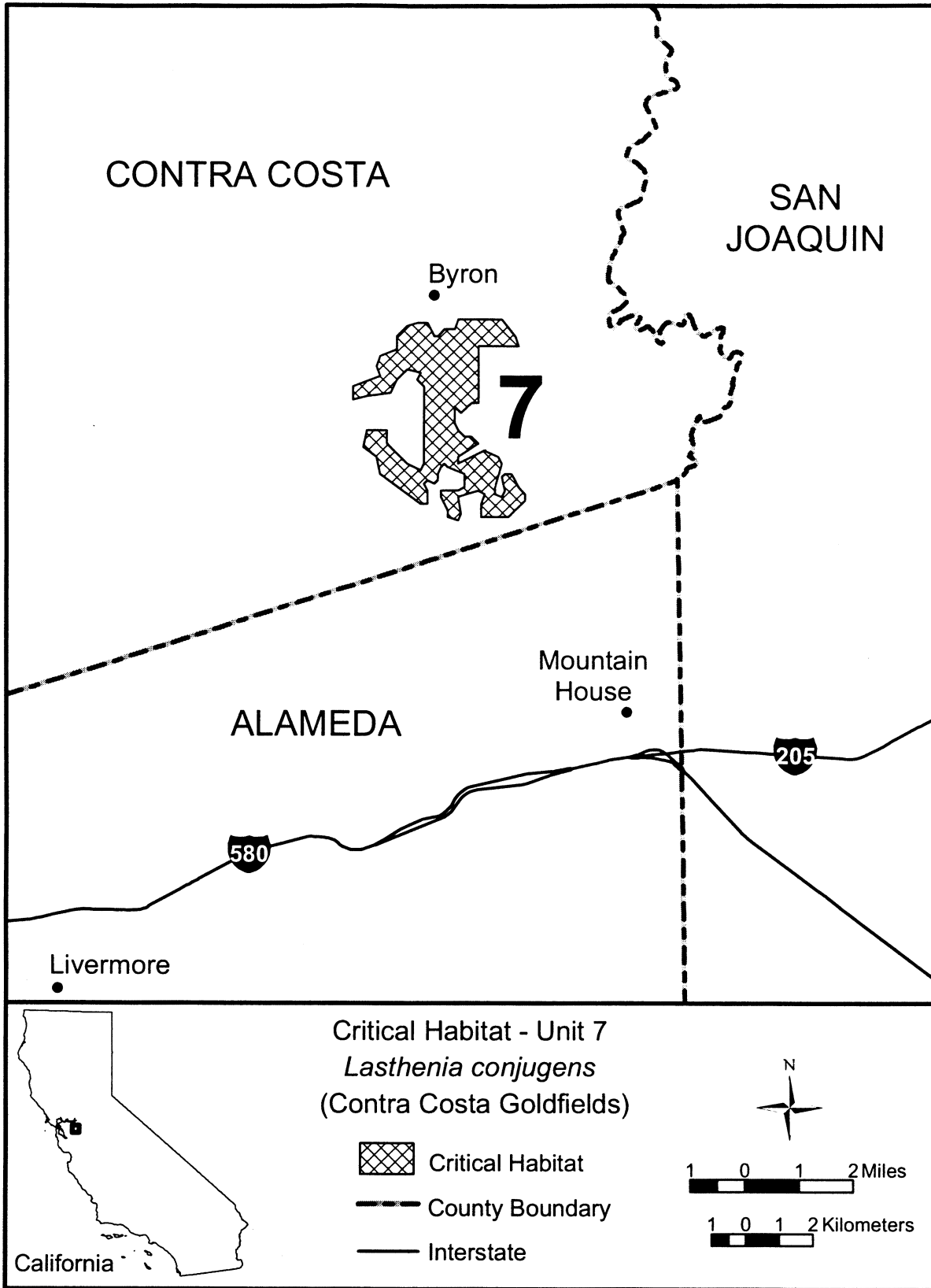
Critical Habitat - Unit 6
Lasthenia conjugens
(Contra Costa Goldfields)

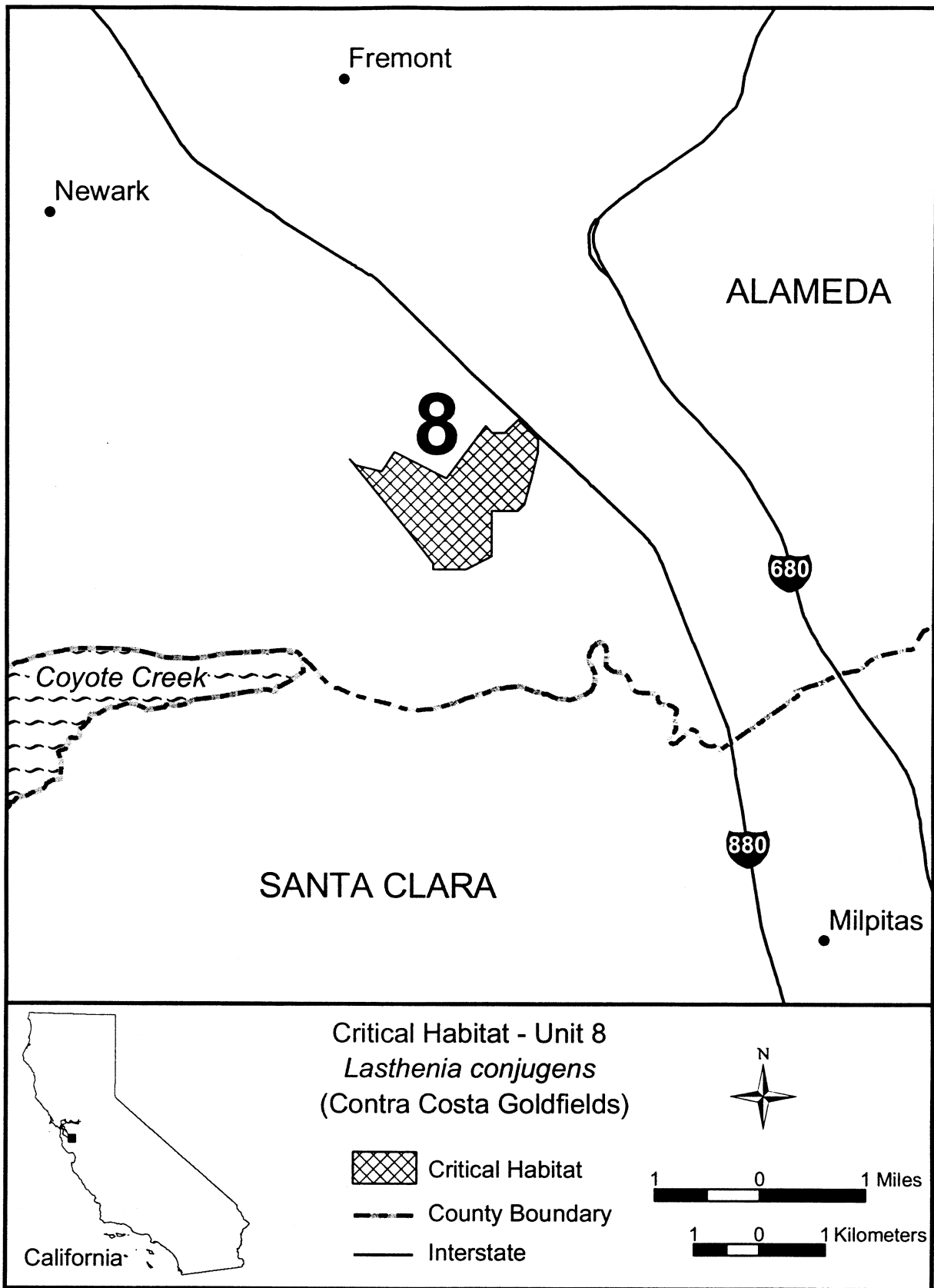
-  Critical Habitat
-  County Boundary
-  Interstate

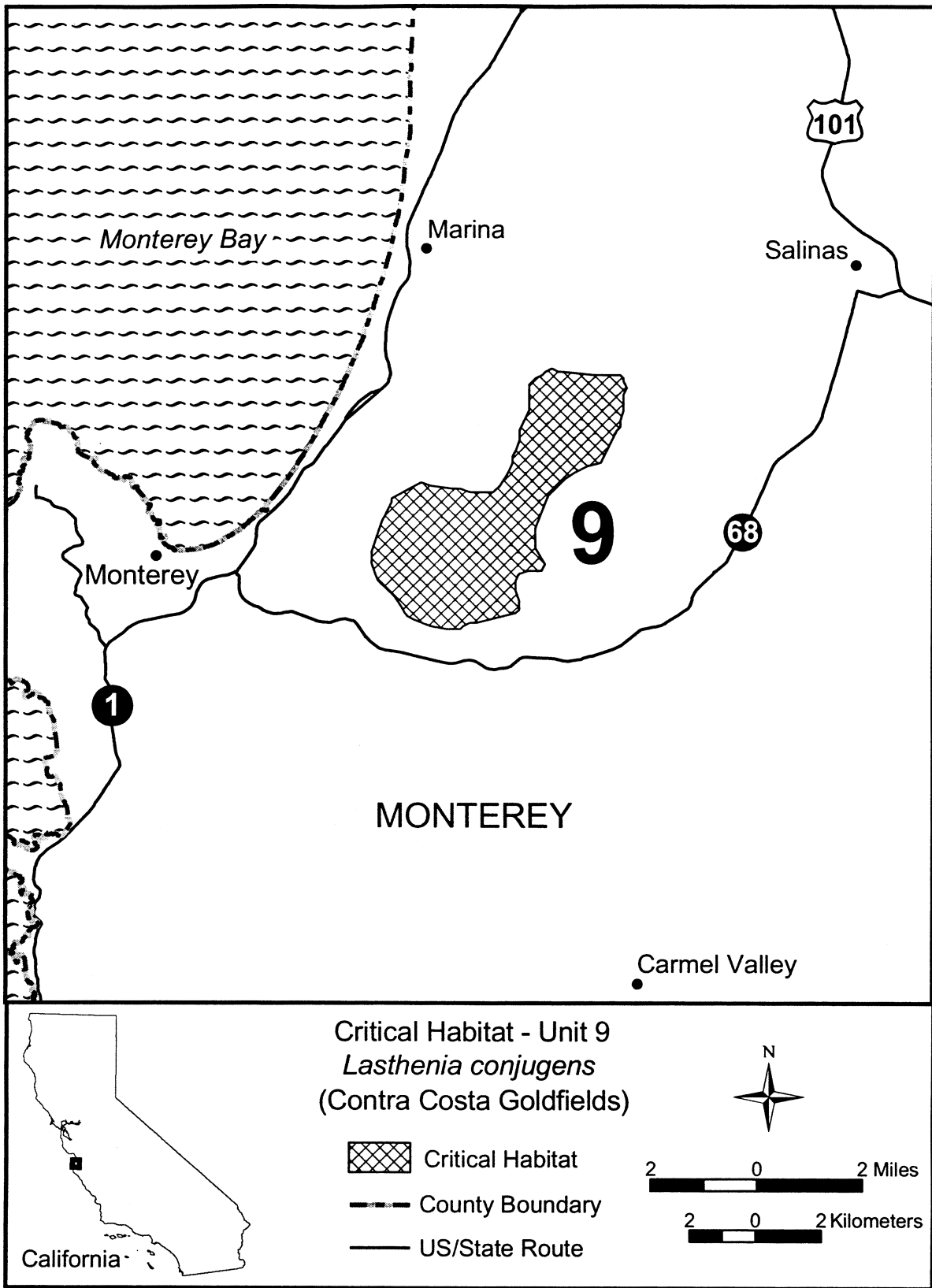


1 0 1 Miles

1 0 1 Kilometers







BILLING CODE 4310-55-C

Family Euphorbiaceae: *Chamaesyce hooveri* (Hoovers Spurge).

(1) Critical habitat units are depicted for Tehama, Glenn, Colusa, Stanislaus, Tulare and Tuolumne Counties, California, on the map below.

(2) The primary constituent elements of critical habitat for *Chamaesyce hooveri* are the habitat components that provide:

(i) Vernal pools, swales, and other ephemeral wetlands and depressions of appropriate sizes and depths and the adjacent upland margins of these depressions that sustain *Chamaesyce hooveri* germination, growth and reproduction, including but not limited to, vernal pools formed on neutral to saline-alkaline soils over lime-silica cemented hardpan or claypan, or on acidic soils over iron-silica cemented hardpan, that typically become inundated during winter rains, but are dry during the summer and do not necessarily fill with water every year; and

(ii) The associated watershed(s) and hydrologic features, including the pool basin, swales, and surrounding uplands (which may vary in extent depending on pool size and depth, soil type and depth, hardpan or claypan type and extent, topography, and climate) that contribute to the filling and drying of the vernal pool or ephemeral wetland, and that maintain suitable periods of pool inundation, water quality, and soil moisture for *Chamaesyce hooveri* germination, growth and reproduction, and dispersal, but not necessarily every year.

(3) Critical habitat does not include existing manmade features and structures, such as buildings, roads, aqueduct, railroads, airport runways and buildings, other paved areas, lawns, and other urban landscaped areas not containing one or more of the primary constituent elements.

(4) Critical habitat does not include the following lands although they may fall within the legal descriptions below:

(i) Lands within the following California counties: Butte, Madera, Merced, Sacramento, and Solano;

(ii) Federally-owned lands within the boundaries of the Kern, Sacramento, San Francisco Bay, and San Luis National Wildlife Refuges and National Wildlife Refuge Complexes, and the Coleman National Fish Hatchery;

(iii) State-owned lands within the boundaries of the Allensworth, Boggs Lake, Butte Creek Canyon, Calhoun Cut, Carrizo Plains, Dales Lake, Fagan Marsh, Phoenix Field, San Joaquin River, Stone Corral, and Thomes Creek Ecological Reserves;

(iv) State-owned lands within the boundaries of the Battle Creek, Big Sandy, Grizzly Island, Hill Slough, North Grasslands, and Oroville Wildlife Areas.

(5) Unit 1: Butte and Tehama Counties, California. From USGS 1:24,000 quadrangle maps Acorn Hollow, Foster Island, Los Molinos, Nord, Richardson Springs NW, and Vina, California, land bounded by the

following UTM 10 NAD 83 coordinates (E, N): 588700, 4429900; 588900, 4429500; 589500, 4429500; 589500, 4428600; 589500, 4428000; 589800, 4427100; 590500, 4426400; 590500, 4425300; 591200, 4424400; 591500, 4423300; 591600, 4422100; 590900, 4420900; 590700, 4419800; 588000, 4417000; 587500, 4416400; 587200, 4415500; 587200, 4415100; 587300, 4415000; 587300, 4414500; 587200, 4414400; 587100, 4414300; 586900, 4414000; 586400, 4413900; 586200, 4413700; 586000, 4413600; 585800, 4413600; 585800, 4414700; 585300, 4414700; 585300, 4413800; 585200, 4413700; 584800, 4413700; 584600, 4413600; 584400, 4413600; 584200, 4413500; 584000, 4413700; 583200, 4413400; 583000, 4414200; 583700, 4414600; 583500, 4415000; 583000, 4415900; 583000, 4416400; 582900, 4416700; 582800, 4416900; 582700, 4417000; 582700, 4417200; 582900, 4417300; 582800, 4417400; 582700, 4417500; 582700, 4417600; 582600, 4417700; 582600, 4418000; 582600, 4418100; 582600, 4418200; 582700, 4418300; 582500, 4418400; 582400, 4418300; 582200, 4418300; 582100, 4418400; 582100, 4418500; 582000, 4418600; 582100, 4418700; 582100, 4418900; 582200, 4419100; 582100, 4419300; 582200, 4419500; 582100, 4419600; 582000, 4419700; 582100, 4419800; 582100, 4419900; 582200, 4420000; 582200, 4420300; 582100, 4420500; 582200, 4420600; 582200, 4420800; 582300, 4421100; 582900, 4421500; 582900, 4421600; 583300, 4422000; 583400, 4422100; 583900, 4422100; 584100, 4422300; 584200, 4422300; 584300, 4422400; 584400, 4422500; 584600, 4422900; 585100, 4423400; 585600, 4423700; 585800, 4423900; 585800, 4424200; 586100, 4424200; 586600, 4424800; 586800, 4424900; 587300, 4425500; 587400, 4425600; 587500, 4425800; 587500, 4425900; 587600, 4426000; 587700, 4426100; 587800, 4426100; 587900, 4426200; 587900, 4426300; 587900, 4426800; 587800, 4426900; 587900, 4427000; 588000, 4427300; 587900, 4427300; 587800, 4427200; 587600, 4426800; 587500, 4426600; 587400, 4426400; 587200, 4426200; 586700, 4425700; 586500, 4425700; 586200, 4425400; 585900, 4425400; 585800, 4425400; 585500, 4425600; 584900, 4425600; 584900, 4425400; 584900, 4425600; 585000, 4425000; 584800, 4425000; 584600, 4424900; 584500, 4424900; 584300, 4425000; 584100, 4425000; 583900, 4425200; 583700, 4425400; 583400, 4425500; 583300, 4425500; 583300, 4425300; 583100, 4425300; 583000, 4425400; 582900,

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(6) Unit 2: Butte County, California. [Reserved]

(7) Unit 3: Colusa and Glenn Counties, California. [Reserved]

(8) Unit 4: Stanislaus and Tuolumne Counties, California. From USGS 1:24,000 quadrangle maps Cooperstown, Keystone, Knights Ferry, La Grange Paulsell, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 720800, 4176400; 721400, 4175900; 722200, 4175300; 722700, 4175200; 722800, 4173600; 723000, 4173500; 723200, 4173600; 723700, 4173600; 724000, 4173300; 724100, 4172300; 722800, 4172200; 721700, 4171200; 721600, 4170700; 721500, 4170500; 721400, 4170400; 721200, 4170300; 721000, 4170100; 721000, 4169600; 720900, 4169600; 720000, 4168500; 718900, 4168000; 718700, 4168100; 718100, 4168500; 718000, 4168500; 717900, 4168600; 716200, 4168600; 715900, 4168500; 715600, 4168300; 715500, 4168200; 715400, 4168300; 715400, 4169400; 714900, 4169900; 714900, 4170000; 715100, 4170000; 715200, 4170200; 715300, 4170200; 715300, 4170400; 715300, 4171200; 715200, 4171200; 715200, 4171000; 715100, 4171000; 715100, 4170700; 714900, 4170700; 714900, 4169800; 713800, 4169900; 713000, 4169500; 712500, 4169400; 712200, 4169400; 712000, 4169600; 711500, 4169900; 711300, 4169900; 710500, 4169100; 709300, 4169100; 709100, 4169500; 709100, 4169700; 708900, 4169700; 708800, 4169900; 708700, 4169900; 708600, 4169800; 708500, 4169900; 708400, 4170000; 708700, 4170200; 708800, 4170300; 708900, 4170400; 709100, 4170500; 709200, 4170600; 709400, 4170600; 709400, 4170800; 709300, 4170800; 709200, 4170900; 709100, 4170800; 708800, 4170700; 708800, 4170600; 708500, 4170500;

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 714700, 4182000; 715200, 4181600;
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716600, 4180400; 716900, 4179900;
 717700, 4180100; 718500, 4180000;
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 719700, 4177600; 720300, 4177700;
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 718800, 4171400; 718900, 4171000;
 719000, 4171000; 719100, 4170900;
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 717800, 4170500; returning to 717800,
 4170900.

(9) Unit 5: Merced and Stanislaus
 Counties, California. From USGS
 1:24,000 quadrangle maps Cooperstown,
 La Grange, Merced Falls, Montpelier,
 Paulsell, Snelling, Turlock Lake,
 California, land bounded by the
 following UTM 10 NAD 83 coordinates
 (E, N):

(i) Start at 724100, 4158200; 723800,
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4157700; 733400, 4157100; 731700,
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4155700; 723900, 4155300; 723300,
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(ii) Start at 704200, 4166200; 704000,
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4167600; 704700, 4167600; 704800,
4167500; 705000, 4167400; 705300,
4167400; 705300, 4166400; 705000,
4166300; 704400, 4166300; returning to
704200, 4166200.

(iii) Start at 712600, 4155200; 712600,
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4156800; 714300, 4156300; 714200,
4156200; 714000, 4155500; 714000,
4155400; 713800, 4155400; returning to
712600, 4155200.

(10) Subunit 6A: Merced County,
California. [Reserved]

(11) Subunit 6B: Merced County,
California. [Reserved]

(12) Subunit 6C: Merced County,
California. [Reserved]

(13) Subunit 7A: Tulare County,
California. From USGS 1:24,000
quadrangle maps Ivanhoe, and Stokes
Mtn., California, land bounded by the
following UTM 11 NAD 83 coordinates
(E, N):

(i) Start at 300900, 4041500; 300900,
4041800; 300200, 4041800; 299900,
4041900; 299600, 4042100; 299200,
4042700; 298900, 4043000; 298900,
4043300; 299200, 4043500; 299700,
4043500; 299700, 4044700; 300100,
4045300; 300700, 4045400; 301200,
4044900; 301400, 4044900; 301400,
4045200; 301300, 4045200; 301300,
4045800; 302200, 4045800; 302200,
4045600; 302500, 4045600; 303000,
4045900; 303100, 4045900; 303300,
4045700; 303600, 4045700; 303800,
4046100; 304300, 4046100; 304500,
4046300; 304700, 4046300; 304900,
4046800; 304700, 4047700; 304800,
4047900; 304700, 4048300; 304800,
4048500; 305400, 4048500; 305800,
4048000; 306000, 4047900; 306300,
4047900; 306500, 4047600; 306500,
4047000; 306300, 4046900; 306100,
4045900; 305900, 4045300; 305600,
4045100; 305400, 4044300; 305400,
4044100; 305900, 4043900; 305700,
4043400; 305700, 4042400; 305000,
4042400; 304900, 4042000; 304200,
4042000; 304100, 4041600; 301400,
4041700; returning to 300900, 4041500.

(ii) Start at 300900, 4041500; 300900,
4041400; 300400, 4041400; 300400,
4040100; 300300, 4040100; 300300,
4039400; 300300, 4039300; 300000,
4039300; 300000, 4038600; 299200,
4038600; 298400, 4038600; 298400,

4039500; 298500, 4039800; 298900,
4039900; 298900, 4041000; 299700,
4041000; 299300, 4041500; returning to
300900, 4041500.

(14) Subunit 7B: Tulare County,
California. From USGS 1:24,000
quadrangle maps Auckland, Ivanhoe,
Stokes Mtn., and Woodlake, California,
land bounded by the following UTM 11
NAD 83 coordinates (E, N):

(i) Start at 308500, 4033700; 308200,
4033800; 308000, 4033900; 308100,
4034300; 308000, 4034500; 308000,
4034900; 307700, 4035100; 307500,
4035400; 307400, 4035600; 307400,
4035800; 307200, 4036300; 306900,
4036900; 307100, 4037300; 306700,
4038300; 306700, 4038400; 306800,
4038500; 307000, 4038500; 307200,
4038600; 307100, 4038700; 307100,
4039900; 308100, 4040200; 308500,
4040700; 308200, 4041500; 307600,
4041500; 307100, 4042000; 307100,
4042600; 307700, 4043700; 307800,
4044500; 308200, 4044700; 309000,
4043900; 309600, 4043400; 311700,
4043400; 312100, 4043000; 312700,
4043000; 313000, 4042700; 313000,
4042300; 312500, 4042000; 311000,
4041000; 311000, 4040400; 310600,
4040200; 310600, 4039900; 310400,
4039900; 310400, 4039800; 310000,
4039800; 310000, 4039500; 309900,
4039400; 309900, 4039200; 309700,
4039200; 309300, 4039200; 309300,
4038800; 308900, 4038800; 308900,
4038400; 308100, 4038400; 308000,
4038200; 307900, 4038200; 307900,
4037600; 308100, 4037600; 308100,
4037400; 308300, 4037400; 308300,
4038000; 308700, 4038000; 308700,
4037900; 308800, 4037800; 308700,
4037600; 308900, 4037600; 308900,
4037400; 308700, 4037400; 308700,
4037200; 309100, 4037200; 309100,
4036800; 308700, 4036800; 308700,
4037000; 308100, 4037000; 308100,
4036900; 308200, 4036900; 308200,
4036800; 308100, 4036800; 308100,
4036600; 308300, 4036600; 308300,
4036500; 308500, 4036500; 308400,
4035800; 308300, 4035800; 308300,
4035400; 308900, 4035000; 309000,
4034800; 308700, 4034800; 308700,
4034100; 308600, 4034100; 308600,
4034000; 308700, 4033900; returning to
308500, 4033700.

(ii) Start at 315900, 4034500; 314100,
4034600; 313400, 4034900; 312800,
4035000; 312800, 4035100; 313000,
4035100; 313000, 4035900; 312500,
4035900; 312500, 4035700; 312300,
4035700; 312100, 4035500; 312000,
4035500; 312000, 4035100; 311300,
4035100; 311300, 4035300; 311500,
4035300; 311500, 4035500; 311100,
4035600; 311100, 4035300; 311000,
4035200; 311000, 4035100; 310500,
4035100; 310400, 4035000; 310300,

4035100; 310300, 4035900; 310600, 4035900; 310600, 4036700; 310800, 4036700; 310800, 4037000; 310500, 4037000; 310500, 4037100; 310600, 4037400; 310400, 4037600; 309800, 4037600; 309900, 4038400; 310100, 4038400; 310100, 4038200; 310500, 4038200; 310500, 4037900; 310800, 4037900; 310800, 4038300; 311200, 4038300; 311200, 4038700; 311500, 4038700; 311500, 4038800; 311600, 4038800; 311600, 4039000; 311700, 4039100; 312000, 4039100; 312000, 4039500; 311800, 4039500; 311600, 4039600; 311700, 4040000; 312100, 4040700; 312700, 4041000; 313000, 4041000; 313600, 4040500; 313700, 4040300; 313100, 4039600; 312700, 4039600; 312700, 4039400; 313300, 4039400; 313500, 4039000; 313100, 4038600; 313700, 4038600; 313900, 4038500; 314100, 4038000; 314600,

4038000; 314800, 4037500; 314800, 4037200; 314000, 4036600; 314100, 4036400; 314900, 4036400; 315100, 4036600; 315500, 4036600; 316100, 4036400; 316400, 4035400; 316400, 4035200; returning to 315900, 4034500.

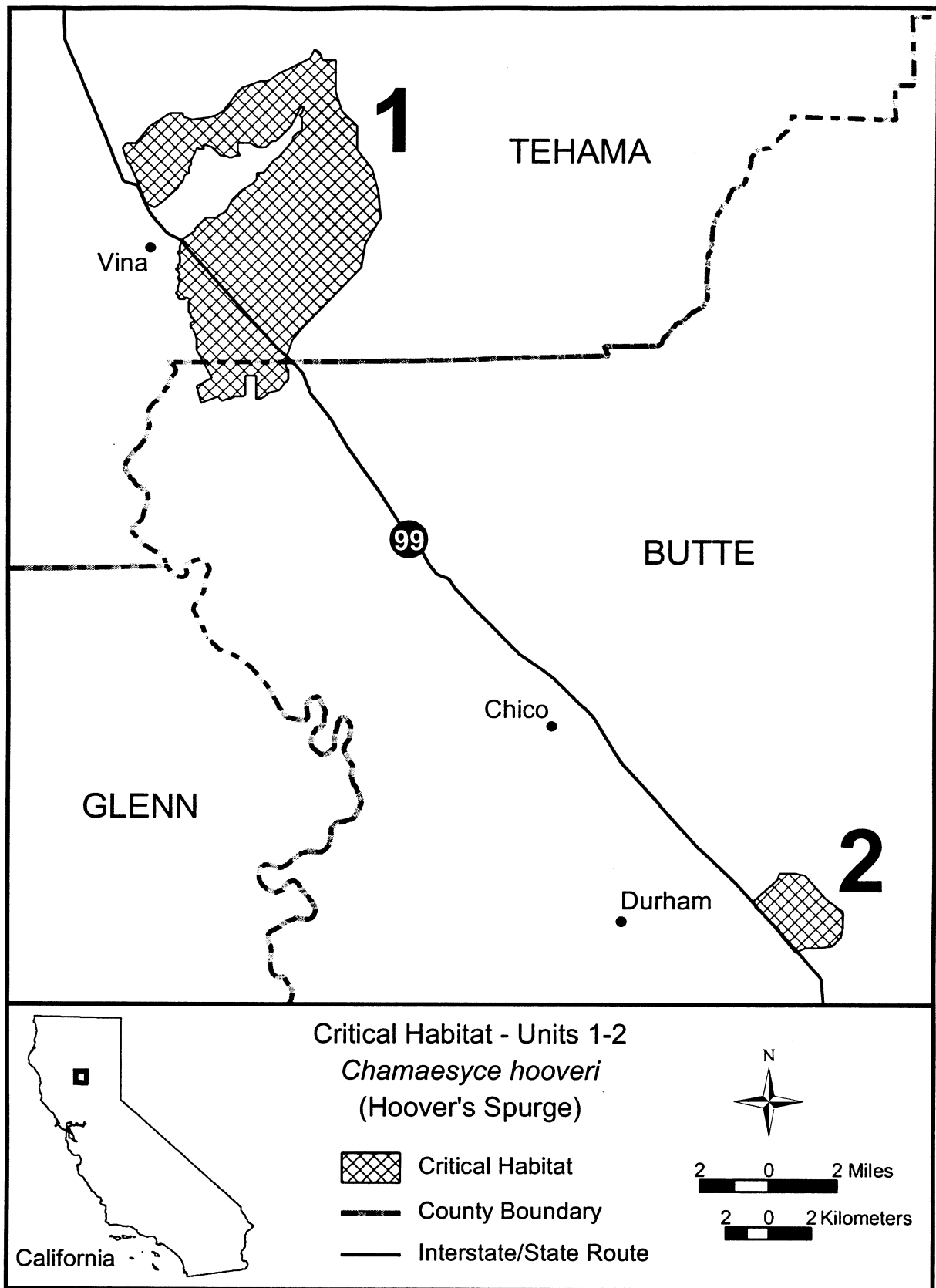
(15) Subunit 7C: Tulare County, California. From USGS 1:24,000 quadrangle map Monson, California, land bounded by the following UTM 11 NAD 83 coordinates (E, N): 297500, 4035500; 297500, 4035200; 296800, 4035300; 296200, 4035300; 296700, 4036800; 297500, 4036700; 297500, 4036300; returning to 297500, 4035500.

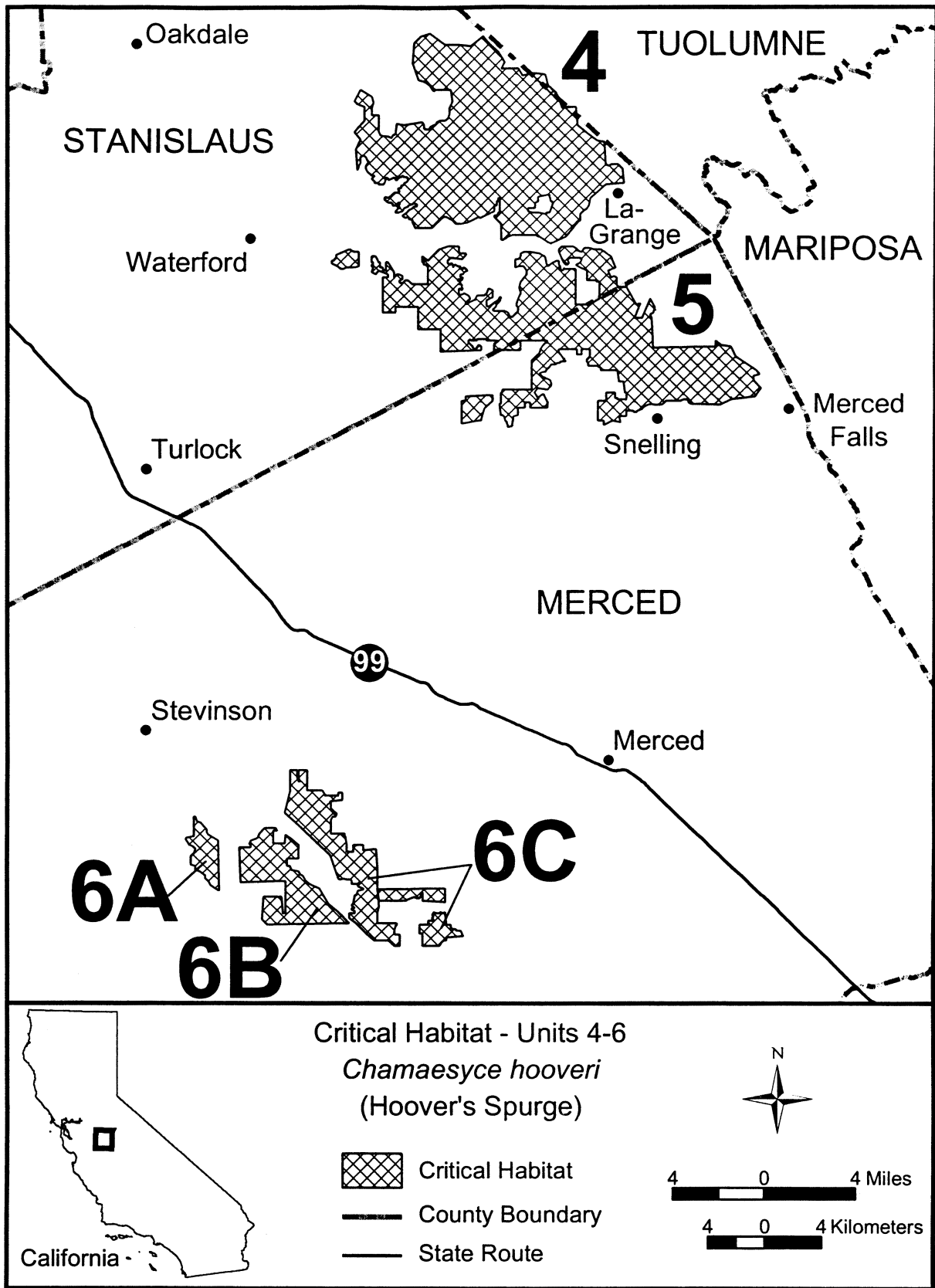
(16) Subunit 7D: Tulare County, California. From USGS 1:24,000 quadrangle maps Monson, and Traver, California, land bounded by the following UTM 11 NAD 83 coordinates (E, N): 294300, 4035600; 293500, 4035600; 293400, 4034000; 292600, 4034000; 292600, 4035400; 291900,

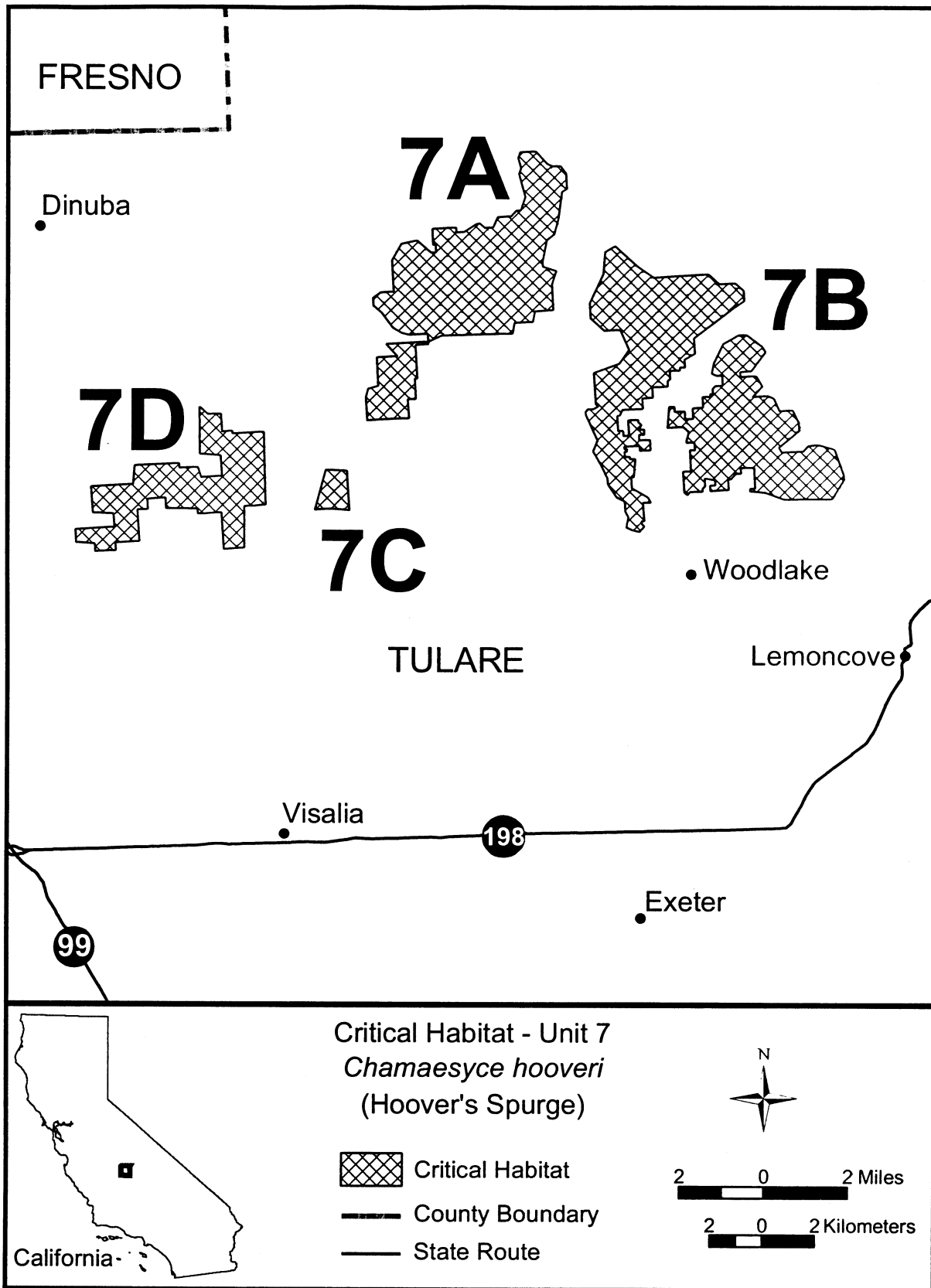
4035400; 291700, 4035400; 291700, 4035600; 290500, 4035700; 290500, 4036100; 289800, 4036100; 289800, 4035700; 289400, 4035700; 289400, 4034500; 288500, 4034500; 288500, 4034200; 287700, 4034200; 287700, 4034500; 287000, 4034600; 287000, 4035100; 288500, 4035100; 288500, 4035600; 287700, 4035700; 287700, 4036700; 289300, 4036700; 289400, 4037400; 291100, 4037400; 291100, 4037200; 291800, 4037200; 291900, 4036800; 292700, 4036800; 292700, 4037600; 291900, 4037700; 292000, 4039500; 292300, 4039200; 292800, 4039200; 292800, 4038500; 293200, 4038500; 293200, 4038400; returning to 294300, 4035600.

(17) Maps follow of critical habitat units 1 and 2, 4 through 6 and 7 (respectively) for Hoover's spurge.

BILLING CODE 4310-55-P







BILLING CODE 4310-55-C

Family Limnanthaceae: *Limnanthes floccosa* ssp. *californica* (Butte County Meadowfoam).

(1) Critical habitat units are depicted for Tehama County, California, on the map below.

(2) The primary constituent elements of critical habitat for *Limnanthes floccosa* ssp. *californica* are the habitat components that provide:

(i) Vernal pools, swales, and other ephemeral wetlands and depressions of appropriate sizes and depths and the adjacent upland margins of these depressions that sustain *Limnanthes floccosa* ssp. *californica* germination, growth and reproduction, including but not limited to, vernal pool swales and the margins of vernal pools on the Tuscan, Redbluff, Riverbank, and Modesto geologic formations underlain by Tuscan-Anita and Igo-Redding complex soils among others. These habitats typically become inundated during winter rains, but are dry during the summer and do not necessarily fill with water every year; and

(ii) The associated watershed(s) and hydrologic features, including the pool basin, swales, and surrounding uplands (which may vary in extent depending on pool size and depth, soil type and depth, hardpan or claypan type and extent, topography, and climate) that contribute to the filling and drying of the vernal pool or ephemeral wetland, and that maintain suitable periods of pool inundation, water quality, and soil moisture for *Limnanthes floccosa* ssp. *californica* germination, growth and reproduction, and dispersal, but not necessarily every year.

(3) Critical habitat does not include existing manmade features and structures, such as buildings, roads, aqueducts, railroads, airport runways and buildings, other paved areas, lawns, and other urban landscaped areas not containing one or more of the primary constituent elements.

(4) Critical habitat does not include the following lands although they may fall within the legal descriptions below:

(i) Lands within the following California counties: Butte, Madera, Merced, Sacramento, and Solano;

(ii) Federally-owned lands within the boundaries of the Kern, Sacramento, San Francisco Bay, and San Luis National Wildlife Refuges and National Wildlife Refuge Complexes, and the Coleman National Fish Hatchery;

(iii) State-owned lands within the boundaries of the Allensworth, Boggs Lake, Butte Creek Canyon, Calhoun Cut, Carrizo Plains, Dales Lake, Fagan Marsh, Phoenix Field, San Joaquin River, Stone Corral, and Thomes Creek Ecological Reserves;

(iv) State-owned lands within the boundaries of the Battle Creek, Big Sandy, Grizzly Island, Hill Slough, North Grasslands, and Oroville Wildlife Areas.

(5) Unit 1: Butte and Tehama Counties, California. From USGS 1:24,000 quadrangle maps Campbell Mound, Nord, Richardson Springs, and Richardson Springs NW, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 595500, 4408200; 594300, 4408200; 594100, 4408300; 594000, 4408400; 593600, 4408500; 593400, 4408200; 593300, 4408200; 593300, 4408500; 592900, 4408600; 593000, 4408600; 593100, 4409200; 593200, 4409200; 593200, 4409300; 592900, 4409300; 592900, 4409500; 593100, 4409600; 593100, 4409500; 593200, 4409500; 593200, 4409800; 593300, 4409900; 593300, 4410400; 593100, 4410400; 592900, 4410200; 592600, 4410200; 592600, 4410000; 592500, 4409900; 592500, 4410800; 592700, 4411200; 593300, 4411400; 594000, 4411600; 594600, 4412400; 594400, 4412800; 594200, 4412800; 594100, 4412500; 593800, 4412500; 593800, 4412700; 593600, 4412900; 593300, 4413100; 593200, 4412400; 593000, 4412200; 592600, 4412200; 592400, 4412600; 591700, 4412600; 590900, 4411000; 590700, 4411000; 590000, 4411600; 589000, 4411900; 588100,

4412000; 588100, 4413300; 588200, 4413500; 588300, 4413900; 588500, 4414000; 588500, 4414600; 589200, 4414700; 589200, 4415000; 590800, 4416100; 592400, 4416700; 592500, 4416600; 592500, 4416000; 592000, 4416000; 592000, 4415800; 592500, 4415800; 593800, 4416300; 594100, 4416300; 594400, 4416300; 594400, 4415800; 594900, 4415800; 594900, 4416300; 595500, 4416300; 595500, 4416400; 595900, 4416500; 596000, 4416500; 596100, 4416400; 596200, 4416500; 596300, 4416600; 596400, 4416700; 596500, 4416700; 596500, 4416800; 596600, 4416800; 597100, 4416400; 597100, 4415600; 596800, 4415200; 597100, 4415000; 597800, 4415500; 598100, 4415200; 597600, 4414600; 597600, 4414400; 597300, 4413800; 597300, 4413300; 598200, 4413900; 598400, 4413900; 598400, 4413600; 597400, 4411900; 597600, 4411900; 598300, 4412700; 598500, 4413300; 598900, 4413300; 598900, 4411800; 599400, 4411700; 599800, 4411700; 599800, 4411000; 599300, 4410700; 599100, 4410800; 599000, 4410800; 598800, 4410600; 598500, 4410400; 598300, 4410100; 598100, 4410000; 598000, 4409900; 597700, 4409800; 597600, 4409600; 597500, 4409500; 597300, 4409500; 597100, 4409400; 596900, 4409200; 596800, 4409200; 596700, 4409100; 596200, 4409100; 596000, 4408900; 595900, 4408800; 595700, 4408800; returning to 595500, 4408200.

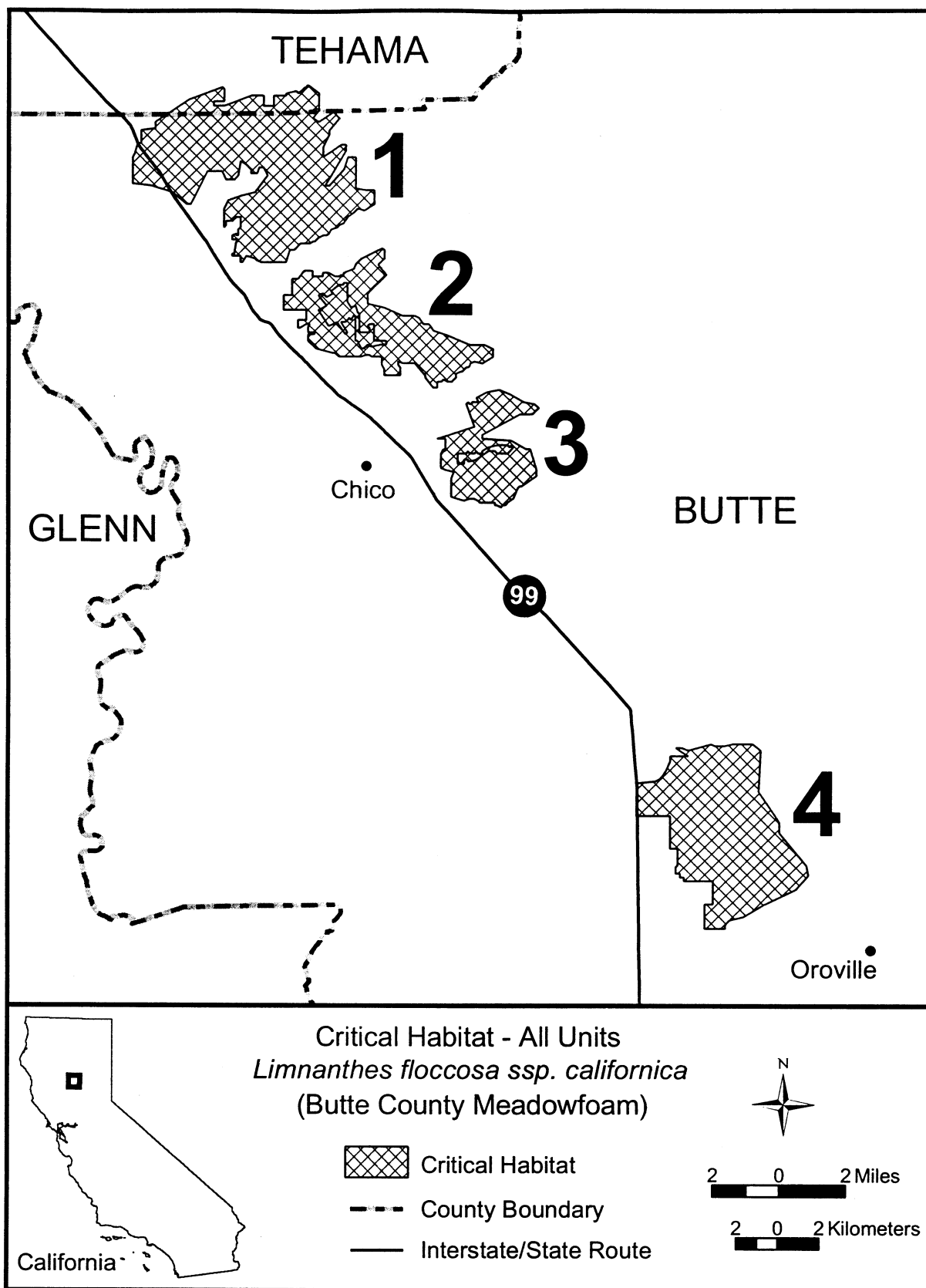
(6) Unit 2: Butte County, California. [Reserved]

(7) Unit 3: Butte County, California. [Reserved]

(8) Unit 4: Butte County, California. [Reserved]

(9) Map follows of critical habitat units 1 through 4 for Butte County meadowfoam.

BILLING CODE 4310-55-P



BILLING CODE 4310-55-C

Family Poaceae: *Neostapfia colusana* (Colusa Grass)

(1) Critical habitat units are depicted for Yolo, Stanislaus, Mariposa, Tuolumne and Calaveras Counties, California, on the map below.

(2) The primary constituent elements of critical habitat for *Neostapfia colusana* are the habitat components that provide:

(i) Vernal pools, swales, and other ephemeral wetlands and depressions of appropriate sizes and depths and the adjacent upland margins of these depressions that sustain *Neostapfia colusana* germination, growth and reproduction, and that typically become inundated during winter rains, including but not limited to vernal pools formed on the rim of alkaline basins in the Sacramento and San Joaquin valleys, as well as on acidic soils of alluvial fans and stream terraces along the eastern margin of the San Joaquin Valley and into the adjacent foothills. All of these pool types are dry during the summer and do not necessarily fill with water every year; and

(ii) The associated watershed(s) and hydrologic features, including the pool basin, swales, and surrounding uplands (which may vary in extent depending on pool size and depth, soil type and depth, hardpan or claypan type and extent, topography, and climate) that contribute to the filling and drying of the vernal pool or ephemeral wetland, and that maintain suitable periods of pool inundation, water quality, and soil moisture for *Neostapfia colusana* germination, growth and reproduction, and dispersal, but not necessarily every year.

(3) Critical habitat does not include existing manmade features and structures, such as buildings, roads, aqueducts, railroads, airport runways and buildings, other paved areas, lawns, and other urban landscaped areas not containing one or more of the primary constituent elements.

(4) Critical habitat does not include the following lands although they may fall within the legal descriptions below:

(i) Lands within the following California counties: Butte, Madera, Merced, Sacramento, and Solano;

(ii) Federally-owned lands within the boundaries of the Kern, Sacramento, San Francisco Bay, and San Luis National Wildlife Refuges and National Wildlife Refuge Complexes, and the Coleman National Fish Hatchery;

(iii) State-owned lands within the boundaries of the Allensworth, Boggs Lake, Butte Creek Canyon, Calhoun Cut,

Carrizo Plains, Dales Lake, Fagan Marsh, Phoenix Field, San Joaquin River, Stone Corral, and Thomes Creek Ecological Reserves;

(iv) State-owned lands within the boundaries of the Battle Creek, Big Sandy, Grizzly Island, Hill Slough, North Grasslands, and Oroville Wildlife Areas.

(5) Unit 1: Yolo County, California. From USGS 1:24,000 quadrangle maps Davis, and Saxon, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 615400, 4260700; 614500, 4260700; 614500, 4261500; 614200, 4261500; 614200, 4261800; 614000, 4261800; 614000, 4262300; 615400, 4262300; returning to 615400, 4260700.

(6) Unit 2: Solano County, California. [Reserved]

(7) Unit 3: Calaveras and Stanislaus Counties, California. From USGS 1:24,000 quadrangle maps Bachelor Valley, Copperopolis, Farmington, Knights Ferry, and Oakdale, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 697300, 4184800; 697100, 4185000; 696900, 4185400; 696500, 4185700; 696900, 4186000; 696900, 4186300; 696600, 4186300; 696600, 4187000; 696000, 4187000; 696000, 4186900; 695800, 4186700; 695600, 4186700; 695500, 4186500; 695400, 4185900; 695100, 4185400; 694600, 4185500; 694600, 4185700; 694900, 4186200; 694800, 4186200; 694600, 4186100; 694400, 4186100; 694300, 4186000; 694200, 4186000; 693900, 4186200; 693800, 4186200; 693700, 4186100; 693700, 4185900; 693500, 4185800; 693300, 4185600; 693100, 4185500; 693000, 4185200; 692500, 4185200; 692400, 4185400; 692500, 4185500; 692500, 4185600; 692500, 4186200; 692600, 4186300; 692600, 4186800; 692500, 4186800; 692300, 4186800; 692200, 4187000; 692100, 4186800; 692000, 4187000; 691900, 4187000; 691900, 4186800; 691800, 4186800; 691700, 4187200; 691600, 4187200; 691400, 4187200; 691300, 4187200; 691200, 4187300; 691000, 4187400; 690800, 4187800; 690800, 4187900; 690900, 4187900; 691000, 4188000; 691000, 4187900; 691100, 4187900; 691100, 4188100; 691000, 4188200; 690900, 4188200; 690900, 4188200; 690900, 4188200; 690700, 4188000; 690600, 4188100; 690600, 4188300; 690400, 4188500; 690300, 4188700; 690300, 4188800; 690100, 4188900; 690200, 4189100; 690300, 4189100; 690500, 4189200; 690000, 4189300; 689900, 4189400; 691100, 4189400; 691100, 4189900; 690900, 4190000; 691000, 4190100; 690900, 4190500; 691000, 4190600; 691000, 4190800; 691100,

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(8) Unit 4: Stanislaus and Tuolumne Counties, California. From USGS 1:24,000 quadrangle maps Cooperstown, Keystone, Knights Ferry, La Grange, Oakdale, Paulsell, and Waterford, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N):

(i) Start at 710300, 4182900; 711400, 4182100; 712400, 4182100; 713200, 4182000; 714100, 4182600; 714700, 4182000; 715200, 4181600; 715600, 4180900; 715400, 4180400; 716600, 4180400; 716900, 4179900; 717700, 4180100; 718500, 4180000; 718700, 4179200; 719300, 4178700; 719700, 4177600; 720300, 4177700; 720700, 4177700; 720800, 4176400; 721400, 4175900; 722200, 4175300; 722700, 4175200; 722800, 4173600; 723000, 4173500; 723200, 4173600; 723700, 4173600; 724000, 4173300; 724100, 4172300; 722800, 4172200; 721700, 4171200; 721600, 4170700; 721500, 4170500; 721400, 4170400; 721200, 4170300; 721000, 4170100; 721000, 4169600; 720900, 4169600; 720000, 4168500; 718900, 4168000; 718700, 4168100; 718100, 4168500; 718000, 4168500; 717900, 4168600; 716200, 4168600; 715900, 4168500; 715600, 4168300; 715500, 4168200; 715400, 4168300; 715400, 4169400; 714900, 4169900; 714900, 4170000; 715100, 4170000; 715200, 4170200; 715300, 4170200; 715300, 4170400; 715300, 4171200; 715200, 4171200; 715200, 4171000; 715100, 4171000; 715100, 4170700; 714900, 4170700; 714900, 4170300; 713900, 4169800; 713800, 4169900; 713000, 4169500; 712500, 4169400; 712200, 4169400; 712000, 4169600; 711500, 4169900; 711300, 4169900; 710500, 4169100; 709300, 4169100; 709100, 4169500; 709100, 4169700; 708900, 4169700; 708800, 4169900; 708700, 4169900; 708600,

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4176300; 705700, 4176700; 705700, 4177000; 705700, 4177500; 705100, 4177500; 705000, 4177300; 704800, 4177300; 704800, 4177100; 704600, 4177100; 704500, 4177200; 704500, 4177400; 704300, 4177500; 704200, 4177300; 704000, 4177300; 703800, 4177100; 703500, 4177300; 703500, 4177800; 703800, 4178200; 704000, 4178200; 704100, 4178100; 704200, 4178100; 704200, 4178400; 703900, 4178400; 703900, 4178800; 703800, 4178900; 703900, 4179100; 703900, 4179200; 703500, 4179200; 703200, 4179500; 703000, 4178800; 702900, 4178800; 702600, 4178900; 702400, 4178900; 702400, 4178900; 702400, 4178500; 702800, 4178300; 702900, 4178300; 703100, 4177800; 703100, 4177500; 703000, 4177300; 702700, 4177300; 702500, 4177400; 702700, 4177200; 702700, 4177000; 702600, 4177100; 702400, 4177100; 702400, 4177000; 702400, 4176800; 702300, 4176800; 702300, 4177100; 702200, 4177200; 702000, 4177100; 702100, 4176900; 702000, 4176800; 701800, 4176800; 701600, 4176700; 701600, 4176500; 701600, 4176200; 701700, 4175900; 701800, 4175800; 702000, 4175800; 702000, 4175100; 701600, 4175100; 701600, 4174200; 701900, 4173700; 701800, 4173600; 701700, 4173500; 701700, 4173300; 701700, 4173200; 701600, 4173200; 701500, 4173100; 701500, 4173000; 701600, 4173000; 701600, 4173000; 701600, 4172800; 701500, 4172600; 701300, 4172500; 701100, 4172600; 700700, 4172600; 700600, 4172600; 700500, 4172700; 700500, 4172900; 700400, 4172900; 700400, 4172800; 700100, 4172700; 699600, 4172800; 699500, 4172800; 699300, 4172800; 699100, 4172500; 698800, 4172500; 698700, 4172600; 698400, 4172400; 698100, 4172800; 698200, 4173000; 697400, 4174300; 697300, 4174300; 697300, 4174500; 697800, 4174500; 697800, 4176300; 697700, 4176300; 697700, 4179300; 696800, 4179300; 696600, 4180000; 696600, 4180200; 697100, 4179900; 697700, 4180200; 697700, 4180400; 697600, 4180400; 697600, 4182200; 698700, 4182200; 699000, 4182600; 700300, 4182600; 700300, 4183400; 699400, 4183400; 699400, 4184100; 700800, 4185100; 704100, 4186300; 705300, 4187700; 705700, 4187700; 706300, 4188200; 706700, 4188300; 706800, 4188500; 707100, 4188600; 707600, 4188800; 707900, 4189100; 708400, 4189600; 708700, 4190000; 709200, 4189300; 709200, 4188600; 710100, 4188200; 709900, 4186700; 708900, 4185800; 708800, 4185000; 709600, 4184200; 710300, 4183900; returning to 710300, 4182900; excluding land bound

by 699400, 4179400; 698100, 4179400; 698400, 4179500; 698400, 4180200; 699800, 4180200; 699800, 4180000; 699600, 4179800; returning to 699400, 4179400; and excluding land bound by 709800, 4176600; 709800, 4177000; 709900, 4177000; 709900, 4177600; 709800, 4177700; 709700, 4178000; 709700, 4178200; 710600, 4178800; 710700, 4178900; 711800, 4178900; 711900, 4178100; 711700, 4177600; 711700, 4177200; 711600, 4176900; 711400, 4176700; 711200, 4176700; 711000, 4176700; 710800, 4176600; 710800, 4176500; 710700, 4176400; 710600, 4176400; 710400, 4176300; 710300, 4176200; 710300, 4176100; 710000, 4176100; 709900, 4176200; 709900, 4176400; returning to 709800, 4176600; and excluding land bound by 706200, 4178400; 706600, 4178700; 707300, 4178700; 707300, 4178500; 707500, 4178400; 707500, 4177900; 708200, 4177900; 708200, 4176900; 708000, 4176500; 708000, 4176500; 707900, 4176000; 707900, 4175900; 707800, 4175700; 707700, 4175700; 707600, 4175500; 707400, 4175600; 707100, 4175600; 706800, 4175700; 706700, 4175900; 706700, 4177100; 706200, 4177100; 706200, 4177600; 706300, 4178000; returning to 706200, 4178400; and excluding land bound by 700700, 4176200; 699400, 4176200; 699300, 4176200; 699300, 4177800; 701000, 4177800; 701000, 4177000; 700500, 4177000; 700500, 4176600; 700700, 4176400; returning to 700700, 4176200; and excluding land bound by 717800, 4170900; 718000, 4171000; 718000, 4171300; 718800, 4171500; 718800, 4171400; 718900, 4171000; 719000, 4171000; 719100, 4170900; 718900, 4170400; 718800, 4170200; 718600, 4170200; 718600, 4170100; 718100, 4170200; 717700, 4170200; 717300, 4170300; 717300, 4170500; 717800, 4170500; returning to 717800, 4170900.

(ii) Start at 702000, 4169700; 701000, 4169700; 700700, 4169700; 700700, 4170500; 700500, 4170500; 700500, 4170900; 700300, 4170900; 700300, 4171100; 700300, 4171800; 701200, 4171800; 702000, 4171800; 702000, 4169800; returning to 702000, 4169700.

(9) Unit 5: Merced and Stanislaus Counties, California. From USGS 1:24,000 quadrangle maps Cooperstown, La Grange, Merced Falls, Montpelier, Paulsell, Snelling, and Turlock Lake, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N):

(i) Start at 724100, 4158200; 723800, 4158200; 723700, 4159000; 722500, 4159000; 722500, 4159200; 722400, 4159200; 722300, 4159300; 722200, 4159300; 721600, 4159300; 721600,

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(ii) Start at 712600, 4155200; 712600, 4156800; 712900, 4156800; 712900, 4157100; 714800, 4157200; 714800, 4156800; 714300, 4156300; 714200, 4156200; 714000, 4155500; 714000, 4155400; 713800, 4155400; returning to 712600, 4155200.

(10) Unit 6: Mariposa and Merced Counties, California. From USGS 1:24,000 quadrangle maps Haystack Mtn., Indian Gulch, Merced, Merced Falls, Owens Reservoir, Planada, Snelling, Winton, and Yosemite Lake,

California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 736600, 4134200; 733900, 4134200; 733900, 4134800; 733800, 4134900; 733800, 4135000; 733000, 4135000; 733000, 4135800; 732500, 4135800; 730300, 4135700; 730200, 4135600; 730100, 4135600; 729900, 4135700; 729900, 4136500; 729900, 4136700; 730000, 4136700; 730100, 4136600; 730200, 4136600; 730300, 4136600; 730400, 4136700; 730500, 4136800; 730600, 4136900; 730600, 4137000; 730600, 4137200; 730600, 4137300; 730500, 4137400; 730400, 4137500; 730300, 4137500; 729900, 4137700; 729800, 4137700; 729700, 4137600; 729400, 4137600; 729300, 4137800; 729300, 4138400; 729200, 4138500; 729000, 4138400; 728800, 4138700; 728400, 4138800; 728200, 4138800; 727900, 4138600; 727700, 4138500; 727600, 4138400; 727400, 4138300; 727400, 4137800; 727300, 4137800; 727300, 4137600; 727400, 4137600; 727400, 4137500; 727300, 4137500; 727300, 4137400; 727400, 4137400; 727400, 4137200; 726500, 4137200; 726500, 4136400; 726500, 4136400; 725800, 4136400; 725800, 4137200; 725000, 4137200; 724900, 4138800; 725500, 4138800; 725500, 4138700; 725800, 4138700; 725800, 4138800; 725900, 4138800; 725900, 4139500; 726500, 4139500; 726500, 4139600; 725900, 4139600; 725800, 4139600; 725800, 4140200; 725900, 4140200; 725900, 4140900; 725400, 4140900; 725400, 4140800; 725100, 4140800; 725100, 4141000; 724900, 4141000; 724900, 4141200; 724100, 4141200; 724100, 4141600; 723400, 4141600; 723400, 4141100; 723200, 4141100; 723200, 4140600; 723400, 4140500; 723400, 4139500; 724000, 4139500; 724000, 4139400; 723900, 4138900; 723900, 4138700; 723500, 4138200; 723400, 4138200; 723400, 4138300; 723000, 4138300; 723000, 4138700; 723000, 4138700; 723000, 4139000; 723200, 4139400; 723300, 4139500; 722100, 4139500; 722000, 4140500; 721900, 4141100; 721900, 4141900; 721900, 4143400; 720800, 4143400; 720900, 4141800; 721000, 4141500; 721000, 4141200; 721100, 4141100; 721000, 4141000; 717800, 4140900; 717700, 4142500; 714500, 4142400; 714500, 4144900; 715500, 4144900; 715500, 4145000; 715800, 4145000; 715900, 4145000; 716000, 4145000; 716100, 4145100; 716100, 4145200; 716000, 4145200; 715900, 4145300; 715900, 4145400; 716000, 4145500; 716000, 4145600; 716100, 4145700; 717000, 4145700; 717700, 4145300; 717800, 4145300; 717800, 4145200; 717800, 4145100; 717600,

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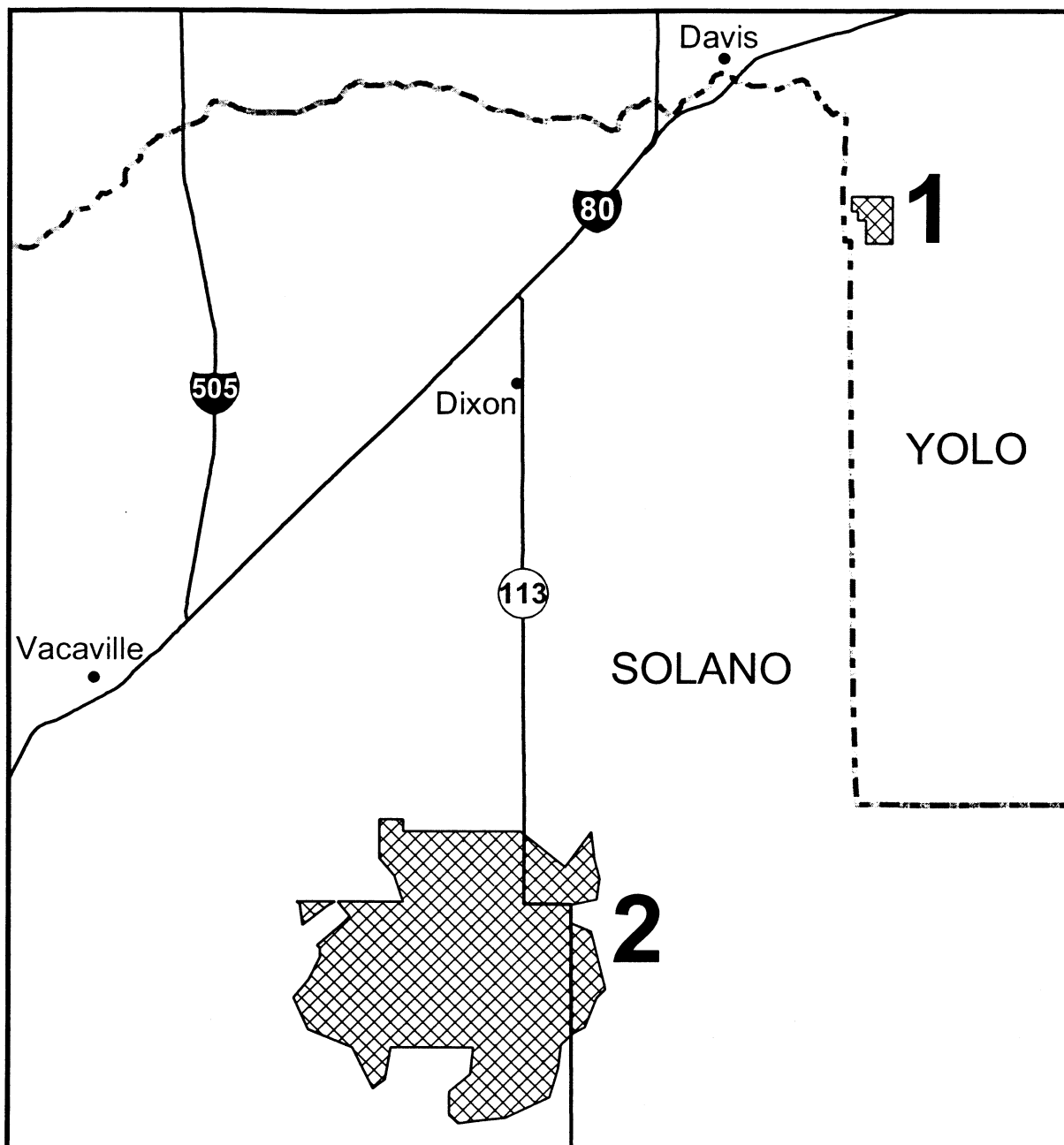
4139700 and excluding land bound by 726200, 4138000; 725800, 4138000; 725800, 4138200; 725700, 4138200; 725700, 4138500; 725800, 4138500; 725800, 4138400; 726200, 4138400; returning to 726200, 4138000; and excluding land bound by 727000, 4137600; 726800, 4137600; 726800, 4137800; 726500, 4137800; 726500, 4138000; 727300, 4138100; 727300, 4138000; 727200, 4137900; 727000, 4137800; returning to 727000, 4137600.

(11) Subunit 7A: Merced County, California. [Reserved]




(12) Subunit 7B: Merced County, California. [Reserved]

(13) Maps follow of critical habitat units 1 and 2, and 3 through 7 (respectively) for Colusa grass.


BILLING CODE 4310-55-P






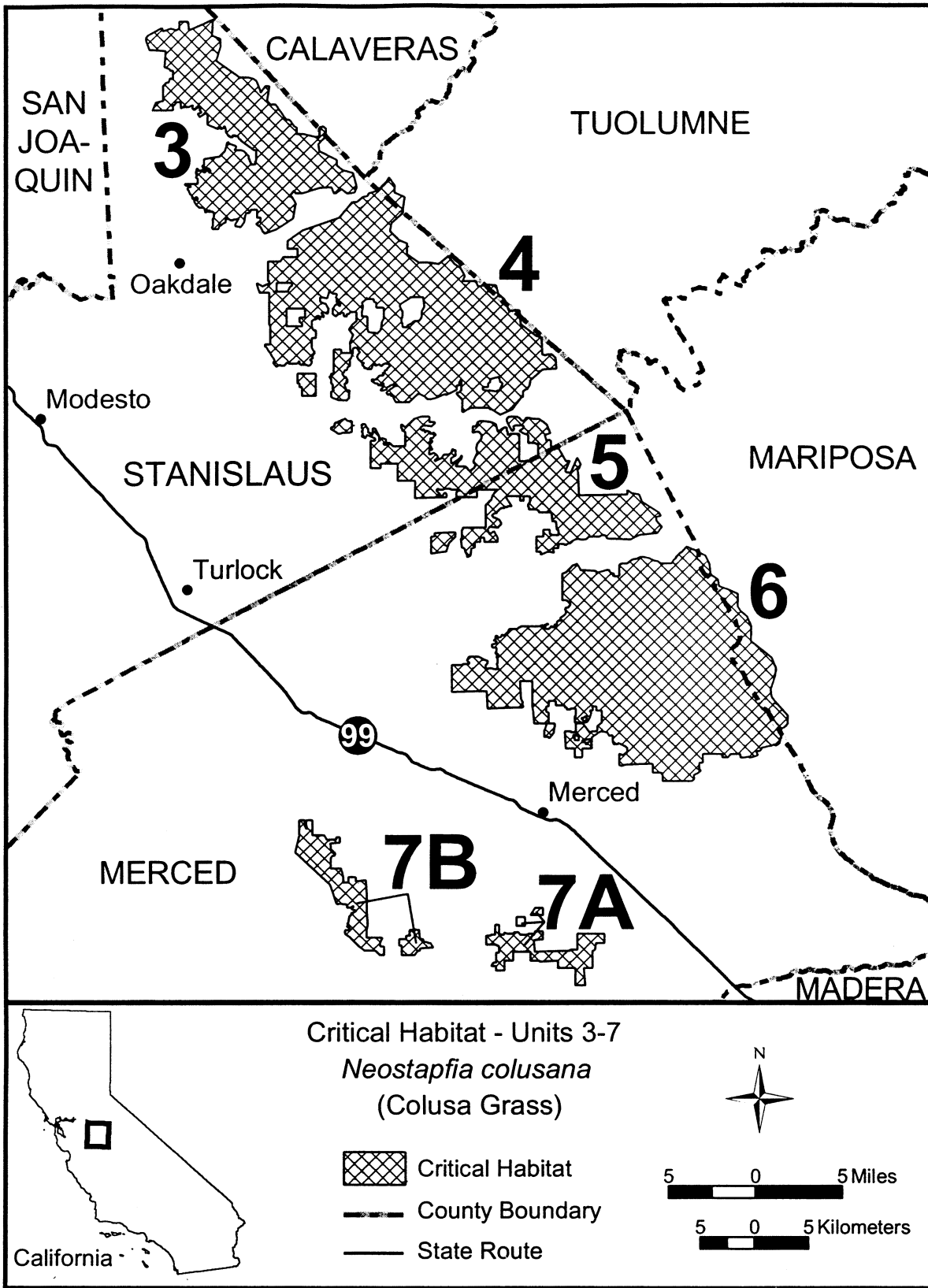
Critical Habitat - Units 1-2
Neostapfia colusana
(Colusa Grass)

-  Critical Habitat
-  County Boundary
-  Interstate/State Route

California





BILLING CODE 4310-55-C

Family Poaceae: *Orcuttia inaequalis*
(San Joaquin Valley Orcutt Grass).

(1) Critical habitat units are depicted for Mariposa, Fresno and Tulare Counties, California, on the map below.

(2) The primary constituent elements of critical habitat for *Orcuttia inaequalis* are the habitat components that provide:

(i) Vernal pools, swales, and other ephemeral wetlands and depressions of appropriate sizes and depths and the adjacent upland margins of these depressions that sustain *Orcuttia inaequalis* germination, growth and reproduction, including but not limited to vernal pools on alluvial fans, high and low stream terraces, and tabletop lava flows. These habitats typically become inundated during winter rains, but are dry during the summer and do not necessarily fill with water every year; and

(ii) The associated watershed(s) and hydrologic features, including the pool basin, swales, and surrounding uplands (which may vary in extent depending on pool size and depth, soil type and depth, hardpan or claypan type and extent, topography, and climate) that contribute to the filling and drying of the vernal pool or ephemeral wetland, and that maintain suitable periods of pool inundation, water quality, and soil moisture for *Orcuttia inaequalis* germination, growth and reproduction, and dispersal, but not necessarily every year.

(3) Critical habitat does not include existing manmade features and structures, such as buildings, roads, aqueducts, railroads, airport runways and buildings, other paved areas, lawns, and other urban landscaped areas not containing one or more of the primary constituent elements.

(4) Critical habitat does not include the following lands although they may fall within the legal descriptions below:

(i) Lands within the following California counties: Butte, Madera, Merced, Sacramento, and Solano;

(ii) Federally-owned lands within the boundaries of the Kern, Sacramento, San Francisco Bay, and San Luis National Wildlife Refuges and National Wildlife Refuge Complexes, and the Coleman National Fish Hatchery;

(iii) State-owned lands within the boundaries of the Allensworth, Boggs Lake, Butte Creek Canyon, Calhoun Cut, Carrizo Plains, Dales Lake, Fagan Marsh, Phoenix Field, San Joaquin River, Stone Corral, and Thomes Creek Ecological Reserves;

(iv) State-owned lands within the boundaries of the Battle Creek, Big Sandy, Grizzly Island, Hill Slough, North Grasslands, and Oroville Wildlife Areas.

(5) Unit 1: Mariposa and Merced Counties, California. From USGS 1:24,000 quadrangle maps Haystack Mtn., Indian Gulch, Merced, Merced Falls, Owens Reservoir, Planada, Snelling, Winton, and Yosemite Lake, California, land bounded by the following UTM 10 NAD 83 coordinates

(E, N): 736600, 4134200; 733900, 4134200; 733900, 4134800; 733800, 4134900; 733800, 4135000; 733000, 4135000; 733000, 4135800; 732500, 4135800; 730300, 4135700; 730200, 4135600; 730100, 4135600; 729900, 4135700; 729900, 4136500; 729900, 4136700; 730000, 4136700; 730100, 4136600; 730200, 4136600; 730300, 4136600; 730400, 4136700; 730500, 4136800; 730600, 4136900; 730600, 4137000; 730600, 4137200; 730600, 4137300; 730500, 4137400; 730400, 4137500; 730300, 4137500; 729900, 4137700; 729800, 4137700; 729700, 4137600; 729400, 4137600; 729300, 4137800; 729300, 4138400; 729200, 4138500; 729000, 4138400; 728800, 4138700; 728400, 4138800; 728200, 4138800; 727900, 4138600; 727700, 4138500; 727600, 4138400; 727400, 4138300; 727400, 4137800; 727300, 4137800; 727300, 4137600; 727400, 4137600; 727400, 4137500; 727300, 4137500; 727300, 4137400; 727400, 4137400; 727400, 4137200; 726500, 4137200; 726500, 4136500; 726400, 4136400; 725800, 4136400; 725800, 4137200; 725000, 4137200; 724900, 4138800; 725500, 4138800; 725500, 4138700; 725800, 4138700; 725800, 4138800; 725900, 4138800; 725900, 4139500; 726500, 4139500; 726500, 4139600; 725900, 4139600; 725800, 4140200; 725900, 4140200; 725900, 4140900; 725400, 4140900; 725400, 4140800; 725100, 4140800; 725100, 4141000; 724900, 4141000; 724900, 4141200; 724100, 4141200; 724100, 4141600; 723400, 4141600; 723400, 4141100; 723200, 4141100; 723200, 4140600; 723400, 4140500; 723400, 4139500; 724000, 4139500; 724000, 4139400; 723900, 4138900; 723900, 4138700; 723500, 4138200; 723400, 4138200; 723400, 4138300; 723000, 4138300; 723000, 4138700; 723000, 4138900; 723100, 4139100; 723200, 4139400; 723300, 4139500; 722100, 4139500; 722000, 4140500; 721900, 4141100; 721900, 4141900; 721900, 4143400; 720800, 4143400; 720900, 4141800; 721000, 4141500; 721000, 4141200; 721100, 4141100; 721000, 4141000; 717800, 4140900; 717700, 4142500; 714500, 4142400; 714500, 4144900; 715500, 4144900; 715500, 4145000; 715800, 4145000; 715900, 4145000; 716000, 4145000; 716100, 4145100; 716100, 4145200; 716000, 4145200; 715900, 4145300; 715900, 4145400; 716000, 4145500; 716000, 4145600; 716100, 4145700; 717000, 4145700; 71700, 4145300; 717800, 4145300; 717800, 4145200; 717800, 4145100; 717600, 4144900; 717600, 4144800; 717600, 4144700; 717800, 4144500; 717900,

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(6) Unit 2: Madera, Mariposa, and Merced Counties, California. From USGS 1:24,000 quadrangle maps Illinois Hill, Indian Gulch, Le Grand, Owens Reservoir, Plainsburg, and Raynor Creek, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 4124000; 757000, 4123700; 757600, 4123900; 757900, 4123200; 758400, 4122900; 759200, 4122900; 760300, 4121300; 761000, 4121000; 761300, 4120300; 762100, 4119400; 762100, 4119300; 762000, 4119200; 761900, 4119200; 761800, 4119100; 761700, 4119200; 761600, 4119100; 761500, 4119100; 761400, 4119000;

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(7) Unit 3: Madera County, California. [Reserved]

(8) Unit 4: Fresno County, California. From USGS 1:24,000 quadrangle map Friant, California, land bounded by the following UTM 11 NAD 83 coordinates (E, N): 259800, 4086700; 259300, 4086700; 259300, 4087600; 259600, 4087500; 260000, 4087500; 260100, 4087900; 260000, 4088100; 259700, 4088300; 258500, 4088300; 258000, 4088300; 258000, 4089100; 258200, 4089200; 258200, 4089100; 258500, 4089100; 258700, 4089200; 258700, 4089600; 258800, 4089600; 258900, 4089700; 258900, 4089800; 258600, 4089800; 258600, 4089900; 258200, 4089900; 258200, 4089700; 258100, 4089600; 257700, 4089600; 257700, 4089200; 257400, 4089200; 257400, 4089900; 257200, 4089900; 257200, 4089200; 256600, 4089200; 256600, 4089700; 256800, 4089700; 256800, 4090000; 256600, 4090000; 256600, 4090200; 256800, 4090800; 257000, 4091500; 257100, 4092700; 257100, 4092900; 257200, 4093100; 257300, 4094300; 257300, 4095400; 257400, 4095500; 258200, 4096300; 258900, 4096300; 258900, 4096700; 259600, 4096700; 259600, 4094700; 260300, 4094700; 260300, 4093300; 259400, 4091700; 260800, 4091700; 262200, 4091100; 262900, 4091100; 262900, 4090400; 263000, 4090100; 262700, 4089600; 262400, 4089500; 261800, 4089100; 261700, 4089200; 261700, 4089400; 261600, 4089400; 261500, 4089400; 261300, 4089400; 261300, 4088200; 261100, 4088200; 261100, 4087400; 260400, 4087400; 260400, 4087500; 260100, 4086900; 259800, 4086900; returning to 259800, 4086700.

(9) Subunit 5A: Madera County, California. [Reserved]

(10) Subunit 5B: Fresno County, California. From USGS 1:24,000

quadrangle maps Academy, and Millerton Lake East, California, land bounded by the following UTM 11 NAD 83 coordinates (E, N): 267300, 4097300; 266900, 4097300; 267000, 4097600; 267800, 4098300; 268100, 4098700; 268100, 4098900; 268000, 4099100; 267400, 4099800; 267400, 4100300; 267700, 4100800; 268100, 4101400; 268600, 4101400; 269100, 4101100; 269600, 4101100; 269800, 4101300; 269900, 4101500; 269600, 4102200; 269200, 4102400; 268600, 4102800; 268700, 4103800; 269100, 4103800; 269600, 4103100; 270200, 4103500; 270300, 4103500; 270700, 4102500; 270500, 4102400; 270300, 4102200; 270300, 4101900; 270500, 4101500; 270600, 4101100; 270500, 4101000; 270200, 4100700; 269400, 4100500; 268300, 4100500; 268100, 4100300; 268100, 4100100; 268400, 4099800; 268600, 4099500; 268700, 4099200; 268700, 4098900; 268600, 4098300; 268500, 4098100; 268400, 4097800; 268100, 4097600; 267800, 4097400; returning to 267300, 4097300.

(11) Subunit 6A: Tulare County, California. From USGS 1:24,000 quadrangle maps Monson, and Traver, California, land bounded by the following UTM 11 NAD 83 coordinates (E, N): 294300, 4035600; 293500, 4035600; 293400, 4034000; 292600, 4034000; 292600, 4035400; 291900, 4035400; 291700, 4035400; 291700, 4035600; 290500, 4035700; 290500, 4036100; 289800, 4036100; 289800, 4035700; 289400, 4035700; 289400, 4034500; 288500, 4034500; 288500, 4034200; 287700, 4034200; 287700, 4034500; 287000, 4034600; 287000, 4035100; 288500, 4035100; 288500, 4035600; 287700, 4035700; 287700, 4036700; 289300, 4036700; 289400, 4037400; 291100, 4037400; 291100, 4037200; 291800, 4037200; 291900, 4036800; 292700, 4036800; 292700, 4037600; 291900, 4037700; 292000, 4039500; 292300, 4039200; 292800, 4039200; 292800, 4038500; 293200,

4038500; 293200, 4038400; 294400, 4038400; returning to 294300, 4035600.

(12) Subunit 6B: Tulare County, California. From USGS 1:24,000 quadrangle maps Auckland, Ivanhoe, Stokes Mtn., and Woodlake, California, land bounded by the following UTM 11 NAD 83 coordinates (E, N):

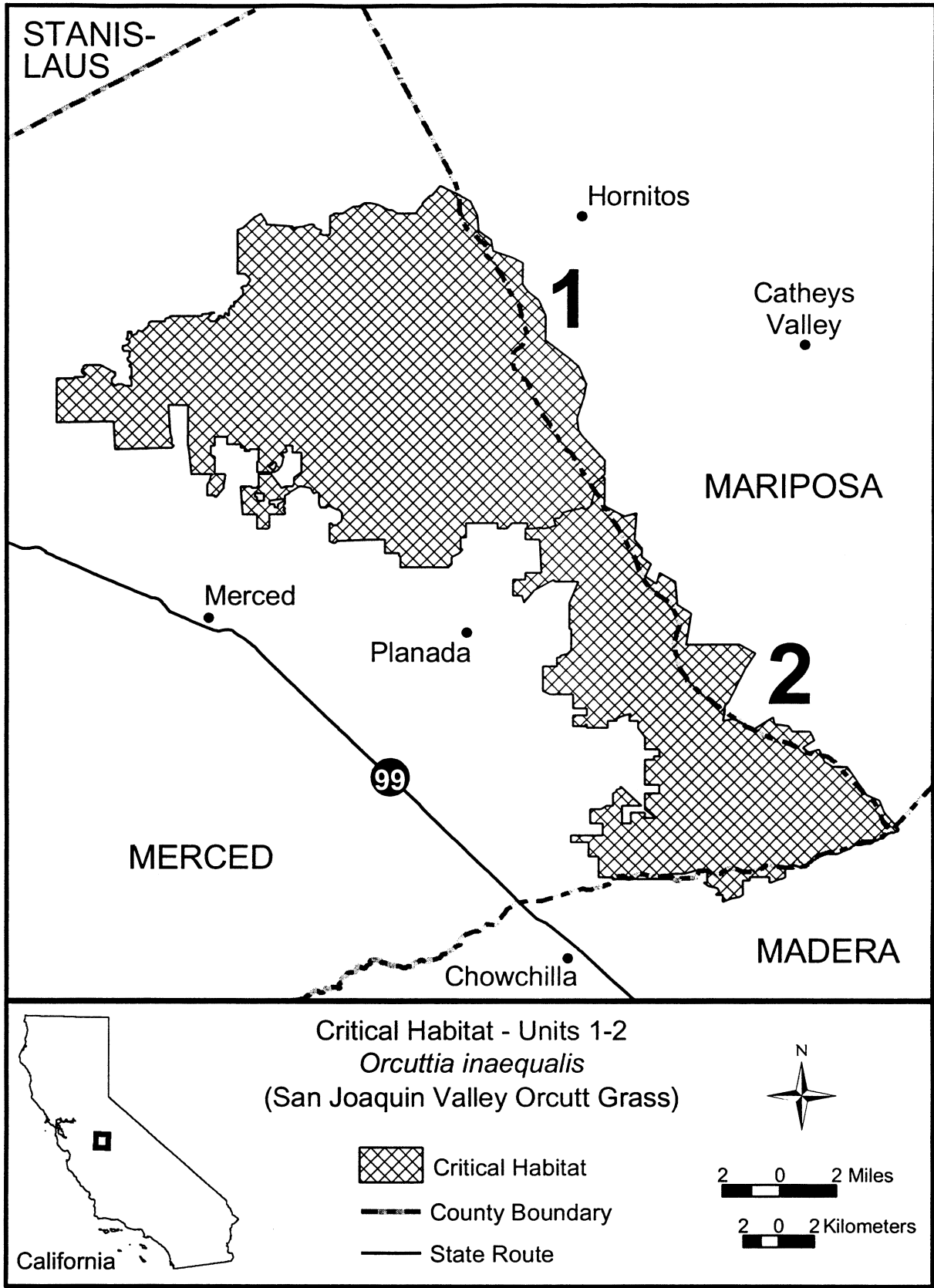
(i) Start at 308500, 4033700; 308200, 4033800; 308000, 4033900; 308100, 4034300; 308000, 4034500; 308000, 4034900; 307700, 4035100; 307500, 4035400; 307400, 4035600; 307400, 4035800; 307200, 4036300; 306900, 4036900; 307100, 4037300; 306700, 4038300; 306700, 4038400; 306800, 4038500; 307000, 4038500; 307200, 4038600; 307100, 4038700; 307100, 4039900; 308100, 4040200; 308500, 4040700; 308200, 4041500; 307600, 4041500; 307100, 4042000; 307100, 4042600; 307700, 4043700; 307800, 4044500; 308200, 4044700; 309000, 4043900; 309600, 4043400; 311700, 4043400; 312100, 4043000; 312700, 4043000; 313000, 4042700; 313000, 4042300; 312500, 4042000; 311000, 4041000; 311000, 4040400; 310600, 4040200; 310600, 4039900; 310400, 4039900; 310400, 4039800; 310000, 4039800; 310000, 4039500; 309900, 4039400; 309900, 4039200; 309300, 4039200; 309300, 4038800; 308900, 4038800; 308900, 4038400; 308100, 4038400; 308000, 4038200; 307900, 4038200; 307900, 4037600; 308100, 4037600; 308100, 4037400; 308300, 4037400; 308300, 4038000; 308700, 4038000; 308700, 4037900; 308800, 4037800; 308700, 4037600; 308900, 4037600; 308900, 4037400; 308700, 4037400; 308700, 4037200; 309100, 4037200; 309100, 4036800; 308700, 4036800; 308700, 4037000; 308100, 4037000; 308100, 4036900; 308200, 4036900; 308200, 4036800; 308100, 4036800; 308100, 4036600; 308300, 4036600; 308300, 4036500; 308500, 4036500; 308400, 4035800; 308300, 4035800; 308300, 4035400; 308900, 4035000; 309000,

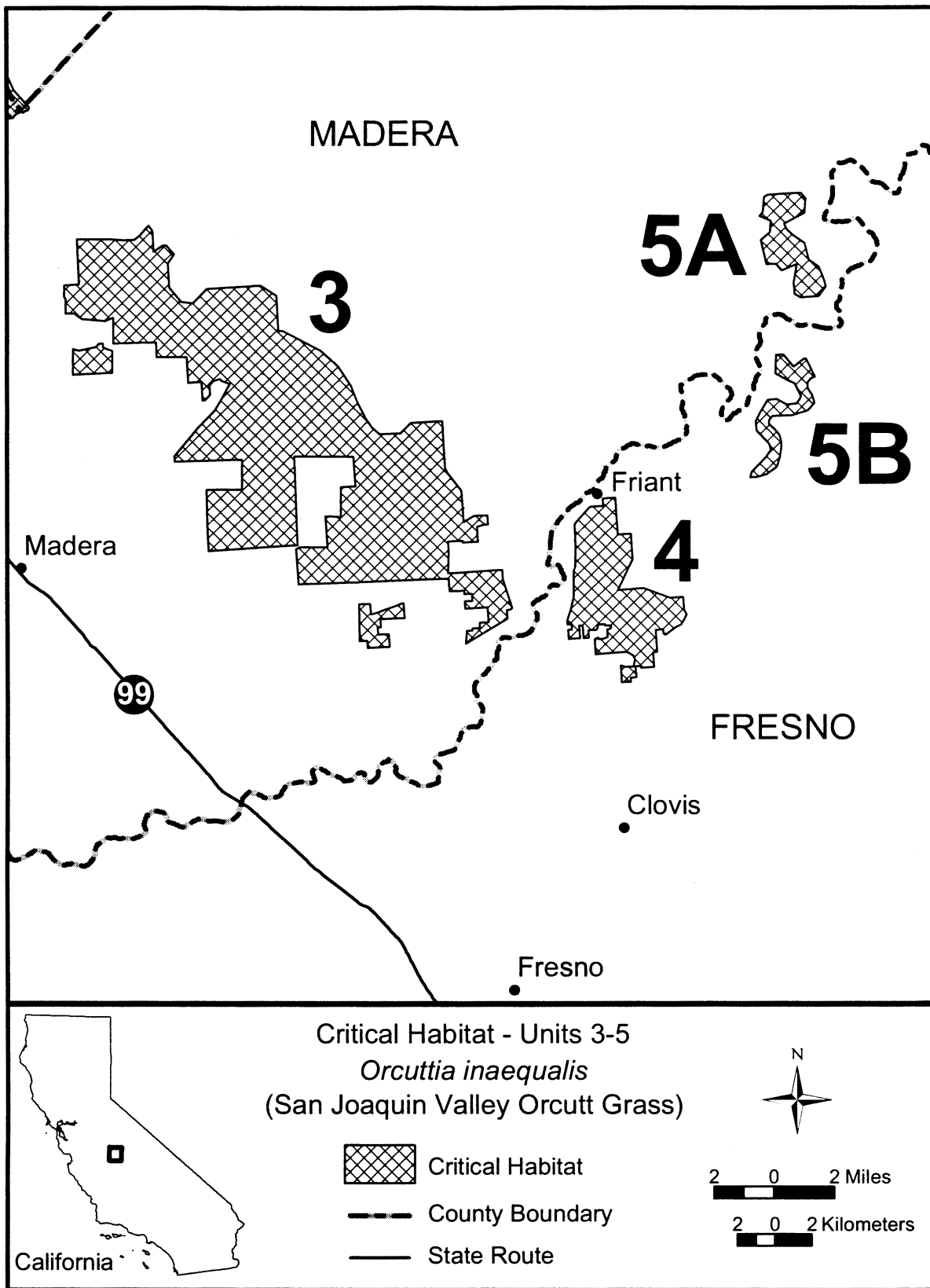
4034800; 308700, 4034800; 308700, 4034100; 308600, 4034100; 308600, 4034000; 308700, 4033900; returning to 308500, 4033700.

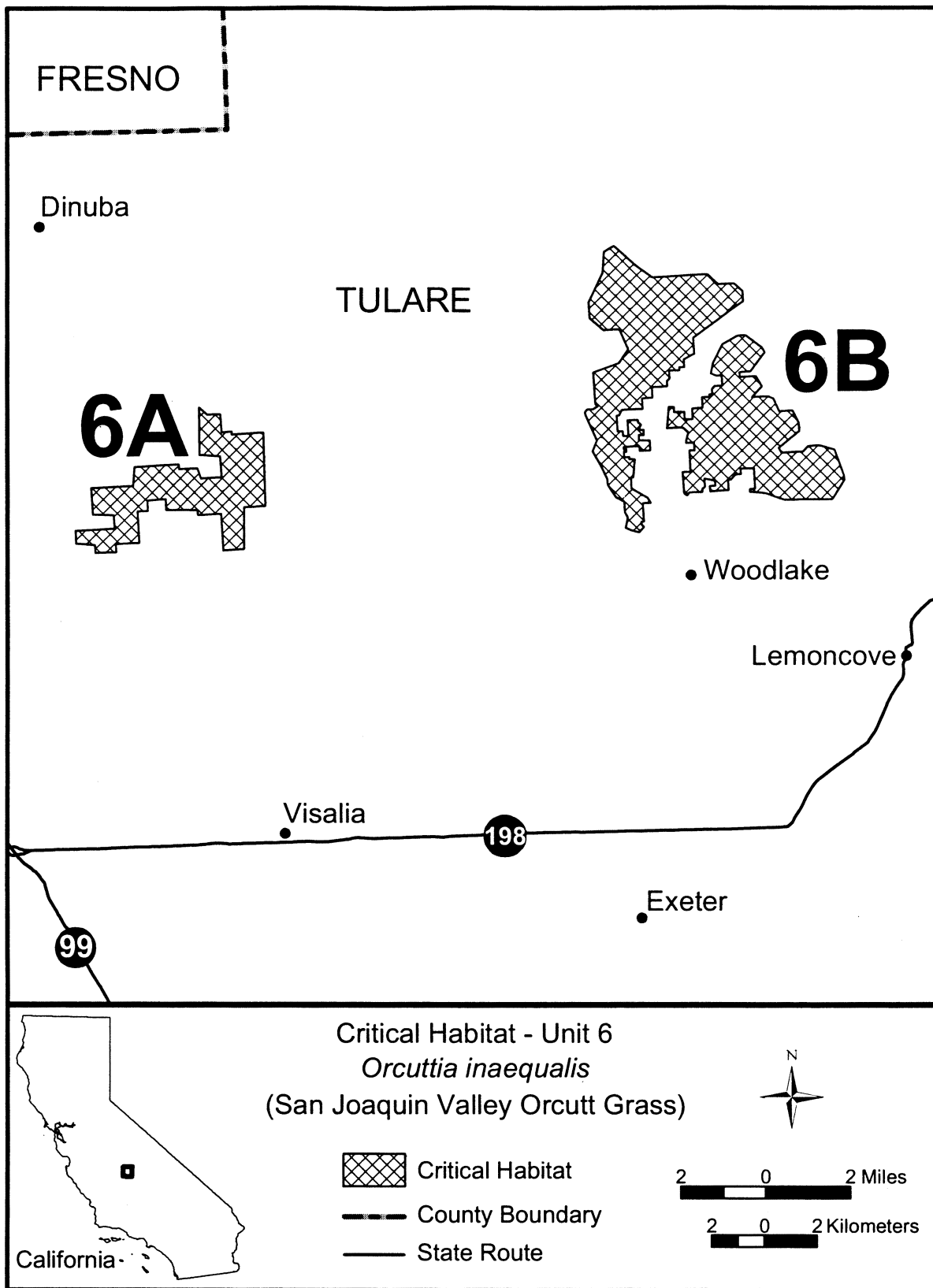
(ii) Start at 315900, 4034500; 314100, 4034600; 313400, 4034900; 312800, 4035000; 312800, 4035100; 313000, 4035100; 313000, 4035900; 312500, 4035900; 312500, 4035700; 312300, 4035700; 312100, 4035500; 312000, 4035500; 312000, 4035100; 311300, 4035100; 311300, 4035300; 311500, 4035300; 311500, 4035500; 311100, 4035600; 311100, 4035300; 311000, 4035200; 311000, 4035100; 310500, 4035100; 310400, 4035000; 310300, 4035100; 310300, 4035900; 310600, 4035900; 310600, 4036700; 310800, 4036700; 310800, 4037000; 310800, 4037000; 310500, 4037000; 310500, 4037100; 310600, 4037400; 310400, 4037600; 309800, 4037600; 309900, 4038400; 310100, 4038400; 310100, 4038200; 310500, 4038200; 310500, 4037900; 310800, 4037900; 310800, 4037900; 310800, 4038300; 311200, 4038300; 311200, 4038700; 311500, 4038700; 311500, 4038800; 311600, 4038800; 311600, 4039000; 311700, 4039100; 312000, 4039100; 312000, 4039500; 311800, 4039500; 311600, 4039600; 311700, 4040000; 312100, 4040700; 312700, 4041000; 313000, 4041000; 313600, 4040500; 313700, 4040300; 313100, 4039600; 312700, 4039600; 312700, 4039400; 313300, 4039400; 313500, 4039000; 313100, 4038600; 313700, 4038600; 313900, 4038500; 314100, 4038000; 314600, 4038000; 314800, 4037500; 314800, 4037200; 314000, 4036600; 314100, 4036400; 314900, 4036400; 315100, 4036600; 315500, 4036600; 316100, 4036400; 316400, 4035400; 316400, 4035200; returning to 315900, 4034500.

(13) Maps follow of critical habitat units 1 and 2, 3 through 5 and 6 (respectively) for San Joaquin Valley Orcutt grass.

BILLING CODE 4310-55-P







BILLING CODE 4310-55-C

Family Poaceae: *Orcuttia pilosa*
 (Hairy Orcutt Grass).

(1) Critical habitat units are depicted for Tehama, Glenn, Colusa, Stanislaus, Mariposa and Fresno Counties, California, on the map below.

(2) The primary constituent elements of critical habitat for *Orcuttia pilosa* are the habitat components that provide:

(i) Vernal pools, swales, and other ephemeral wetlands and depressions of appropriate sizes and depths and the adjacent upland margins of these depressions that sustain *Orcuttia pilosa* germination, growth and reproduction, including but not limited to features occurring on both acidic and saline-alkaline soils, with an iron-silica cemented hardpan or claypan, and that typically become inundated during winter rains, but are dry during the summer and do not necessarily fill with water every year; and

(ii) The associated watershed(s) and hydrologic features, including the pool basin, swales, and surrounding uplands (which may vary in extent depending on pool size and depth, soil type and depth, hardpan or claypan type and extent, topography, and climate) that contribute to the filling and drying of the vernal pool or ephemeral wetland, and that maintain suitable periods of pool inundation, water quality, and soil moisture for *Orcuttia pilosa* germination, growth and reproduction, and dispersal, but not necessarily every year.

(3) Critical habitat does not include existing manmade features and structures, such as buildings, roads, aqueducts, railroads, airport runways and buildings, other paved areas, lawns, and other urban landscaped areas not containing one or more of the primary constituent elements.

(4) Critical habitat does not include the following lands although they may fall within the legal descriptions below:

(i) Lands within the following California counties: Butte, Madera, Merced, Sacramento, and Solano;

(ii) Federally-owned lands within the boundaries of the Kern, Sacramento, San Francisco Bay, and San Luis National Wildlife Refuges and National Wildlife Refuge Complexes, and the Coleman National Fish Hatchery;

(iii) State-owned lands within the boundaries of the Allensworth, Boggs Lake, Butte Creek Canyon, Calhoun Cut, Carrizo Plains, Dales Lake, Fagan Marsh, Phoenix Field, San Joaquin River, Stone Corral, and Thomes Creek Ecological Reserves;

(iv) State-owned lands within the boundaries of the Battle Creek, Big Sandy, Grizzly Island, Hill Slough, North Grasslands, and Oroville Wildlife Areas.

(5) Unit 1: Butte and Tehama Counties, California. From USGS 1:24,000 quadrangle maps Acorn Hollow, Foster Island, Nord, Richardson Springs NW, and Vina, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 583200, 4413400; 583000, 4414200; 583700, 4414600;

583500, 4415000; 583000, 4415900; 583000, 4416400; 582900, 4416700; 582800, 4416900; 582700, 4417000; 582700, 4417200; 582900, 4417300; 582800, 4417400; 582700, 4417500; 582700, 4417600; 582600, 4417700; 582600, 4418000; 582600, 4418100; 582600, 4418200; 582700, 4418300; 582500, 4418400; 582400, 4418300; 582200, 4418300; 582100, 4418400; 582100, 4418500; 582000, 4418600; 582100, 4418700; 582100, 4418900; 582200, 4419100; 582100, 4419300; 582200, 4419500; 582100, 4419600; 582000, 4419700; 582100, 4419800; 582100, 4419900; 582200, 4420000; 582200, 4420300; 582100, 4420500; 582200, 4420600; 582200, 4420800; 582300, 4421100; 582900, 4421500; 582900, 4421600; 583300, 4422000; 583400, 4422100; 583900, 4422100; 584100, 4422300; 584200, 4422300; 584300, 4422400; 584400, 4422500; 584600, 4422900; 585100, 4423400; 585600, 4423700; 585800, 4423900; 585800, 4424200; 586100, 4424200; 586600, 4424800; 586800, 4424900; 587300, 4425500; 587400, 4425600; 587500, 4425800; 587500, 4425900; 587600, 4426000; 587700, 4426100; 587800, 4426100; 587900, 4426200; 587900, 4426300; 588200, 4426500; 588700, 4429900; 588900, 4429500; 589500, 4429500; 589500, 4428600; 589500, 4428000; 589800, 4427100; 590500, 4426400; 590500, 4425300; 591200, 4424400; 591500, 4423300; 591600, 4422100; 590900, 4420900; 590700, 4419800; 588000, 4417000; 587500, 4416400; 587200, 4415500; 587200, 4415100; 587300, 4415000; 587300, 4414500; 587200, 4414400; 587100, 4414300; 586900, 4414000; 586400, 4413900; 586200, 4413700; 586000, 4413600; 585800, 4413600; 585800, 4414700; 585300, 4414700; 585300, 4413800; 585200, 4413700; 584800, 4413700; 584600, 4413600; 584400, 4413600; 584200, 4413500; 584000, 4413700; returning to 583200, 4413400.

(6) Unit 2: Butte County, California. [Reserved]

(7) Unit 3: Colusa and Glenn Counties, California. [Reserved]

(8) Unit 4: Mariposa, Merced, and Stanislaus Counties, California. From USGS 1:24,000 quadrangle maps Cooperstown, La Grange, Merced Falls, Montpelier, Paulsell, Snelling, and Turlock Lake, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N):

(i) Start at 732200, 4162500; 732700, 4162700; 733000, 4162600; 733600, 4162100; 733700, 4161500; 733600, 4161000; 734600, 4160400; 734800, 4160200; 734800, 4159500; 734400, 4158700; 734300, 4158100; 734500,

4157900; 734700, 4158000; 734900, 4158300; 735000, 4158800; 735500, 4158800; 735700, 4158600; 735600, 4158100; 736200, 4157500; 736800, 4157300; 736900, 4157100; 736900, 4156500; 736300, 4156500; 736000, 4156300; 735500, 4156300; 734100, 4156900; 733400, 4157100; 731700, 4156900; 730900, 4156500; 728900, 4156600; 728700, 4156700; 728700, 4156800; 728600, 4156900; 728300, 4156900; 728100, 4156800; 727900, 4156800; 727100, 4156800; 726900, 4156600; 726700, 4156500; 726300, 4156500; 726100, 4156600; 725800, 4156500; 725600, 4156400; 725500, 4156300; 725400, 4156200; 725100, 4156100; 725000, 4156000; 724900, 4156000; 724800, 4156100; 724300, 4156100; 724300, 4155700; 723800, 4155700; 723900, 4155300; 723300, 4155400; 722700, 4155100; 722700, 4155400; 722300, 4155400; 722300, 4156800; 722900, 4156800; 722900, 4157400; 723500, 4157400; 723500, 4157000; 723700, 4157000; 723700, 4156900; 724300, 4156900; 724300, 4157400; 724200, 4157400; 724100, 4158200; 723800, 4158200; 723700, 4159000; 722500, 4159000; 722500, 4159200; 722400, 4159200; 722300, 4159300; 722200, 4159300; 721600, 4159300; 721600, 4159500; 721500, 4159600; 721500, 4159800; 721600, 4159800; 721600, 4159800; 721600, 4159900; 721700, 4159900; 721700, 4160500; 721100, 4160500; 721100, 4160100; 720800, 4160100; 720800, 4160500; 719500, 4160500; 719500, 4160300; 720000, 4159600; 719600, 4159600; 719600, 4159500; 719500, 4159500; 719400, 4159500; 719300, 4159400; 719100, 4159400; 719000, 4159400; 718900, 4159300; 718700, 4159100; 718600, 4159000; 718600, 4158900; 718400, 4158900; 718200, 4158800; 718200, 4158700; 718300, 4158600; 718400, 4158500; 718500, 4158500; 718600, 4158400; 718700, 4158400; 718900, 4158300; 719000, 4158100; 719000, 4157900; 718700, 4157600; 718000, 4157700; 717800, 4157400; 717900, 4157200; 718000, 4157000; 718400, 4157300; 718700, 4156700; 718700, 4156300; 717500, 4156300; 717500, 4156700; 717100, 4156700; 717100, 4156300; 716600, 4156300; 716600, 4155800; 716300, 4155700; 716200, 4155000; 715900, 4154900; 715900, 4155100; 715800, 4155200; 715800, 4155300; 715700, 4155400; 715600, 4155700; 715500, 4155800; 715400, 4155800; 715300, 4156600; 715400, 4156600; 715400, 4157200; 715400, 4157400; 715500, 4157400; 715500, 4157600; 717600, 4157600; 717600, 4159700; 718100, 4160200; 718200, 4160500; 718400, 4160800; 718700,

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 4165100; 712600, 4165100; 712600,
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 4167600; 722500, 4167600; 722900,
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 4167200; 726200, 4167100; 726500,
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 4166000; 727700, 4165800; 729000,
 4165800; 730100, 4165400; 730400,
 4165100; 730500, 4164900; 730700,
 4164100; 731300, 4164100; 731700,
 4163800; 731800, 4163400; 732200,
 4162800; returning to 732200, 4162500.

(ii) Start at 704200, 4166200; 704000,
 4166200; 703800, 4166400; 703400,
 4166600; 703400, 4166800; 703500,
 4166800; 703600, 4166900; 703700,
 4167000; 703700, 4167200; 704600,
 4167600; 704700, 4167600; 704800,
 4167500; 705000, 4167400; 705300,
 4167400; 705300, 4166400; 705000,
 4166300; 704400, 4166300; returning to
 704200, 4166200.

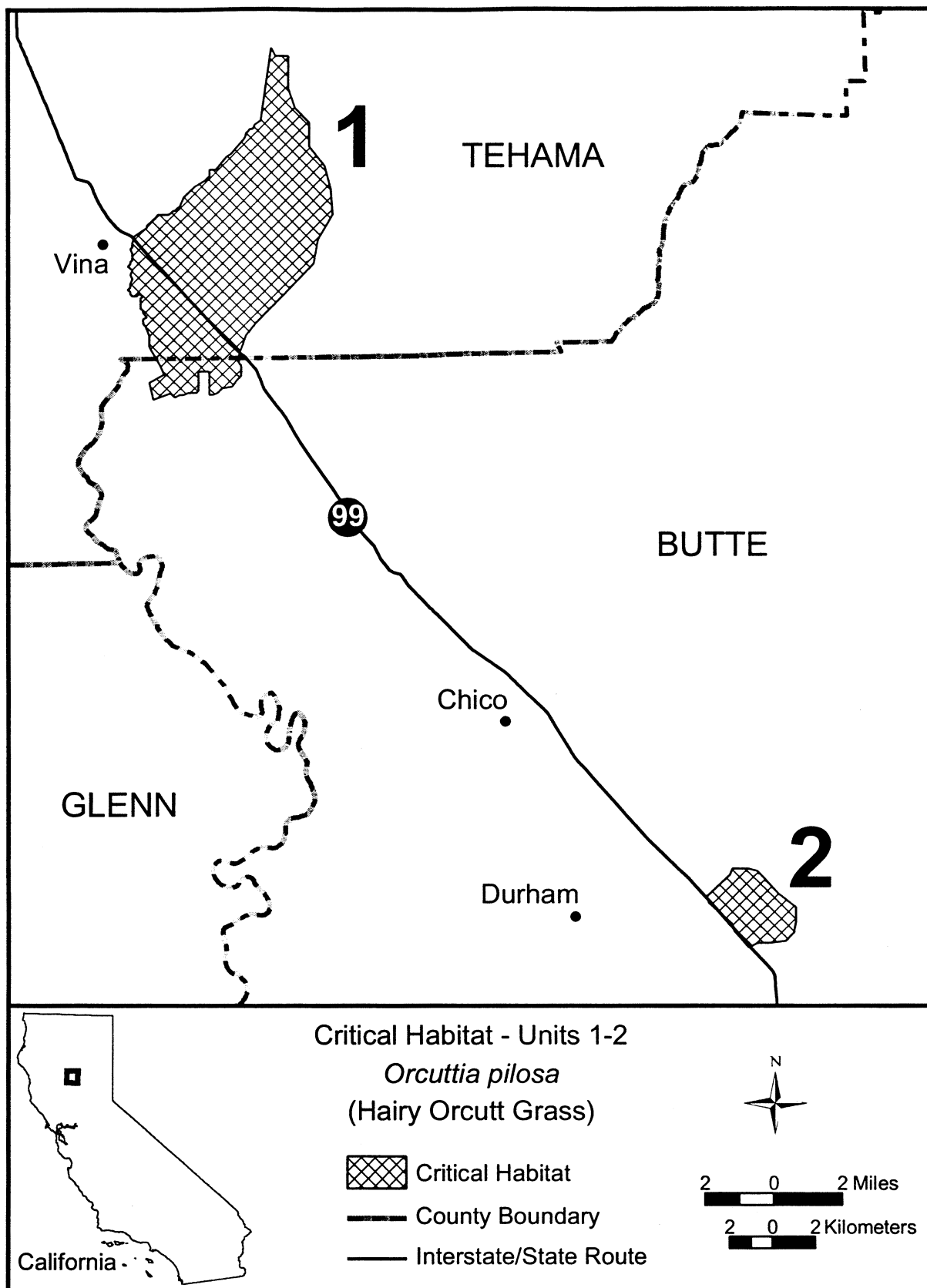
(iii) Start at 712600, 4155200; 712600,
 4156800; 712900, 4156800; 712900,
 4157100; 714800, 4157200; 714800,
 4156800; 714300, 4156300; 714200,
 4156200; 714000, 4155500; 714000,
 4155400; 713800, 4155400; returning to
 712600, 4155200.

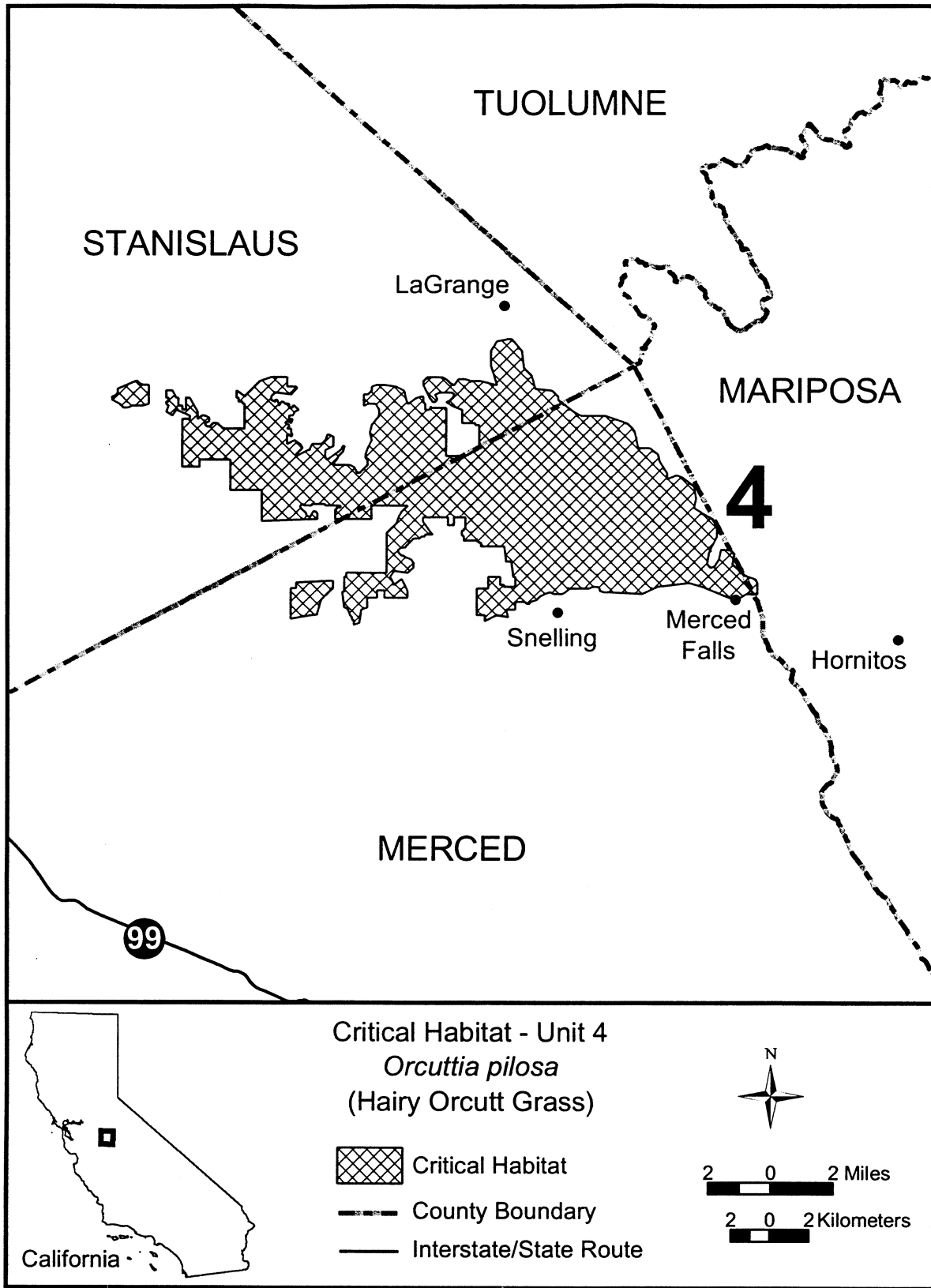
(9) Unit 5: Madera County, California.
 [Reserved]

(10) Unit 6: Fresno and Madera
 Counties, California. [Reserved]

(11) Maps follow of critical habitat
 units 1 and 2, and 4 (respectively) for
 hairy Orcutt grass.

BILLING CODE 4310-55-P





BILLING CODE 4310-55-C

Family Poaceae: *Orcuttia tenuis*
(Slender Orcutt Grass).

(1) Critical habitat units are depicted for Siskiyou, Modoc, Shasta, Lassen, Tehama, Plumas, and Lake Counties, California, on the map below.

(2) The primary constituent elements of critical habitat for *Orcuttia tenuis* are the habitat components that provide:

(i) Vernal pools, swales, and other ephemeral wetlands and depressions of appropriate sizes and depths and the adjacent upland margins of these depressions that sustain *Orcuttia tenuis* germination, growth and reproduction, including but not limited to, Northern Volcanic Ashflow and Northern Volcanic Mudflow vernal pools (Sawyer and Keeler-Wolf 1995) with iron-silica and bedrock hardpan impervious layers, and that typically become inundated during winter rains, but are dry during the summer and do not necessarily fill with water every year; and

(ii) The associated watershed(s) and hydrologic features, including the pool basin, swales, and surrounding uplands (which may vary in extent depending on pool size and depth, soil type and depth, hardpan or claypan type and extent, topography, and climate) that contribute to the filling and drying of the vernal pool or ephemeral wetland, and that maintain suitable periods of pool inundation, water quality, and soil moisture for *Orcuttia tenuis* germination, growth and reproduction, and dispersal, but not necessarily every year.

(3) Critical habitat does not include existing manmade features and structures, such as buildings, roads, aqueducts, railroads, airport runways and buildings, other paved areas, lawns, and other urban landscaped areas not containing one or more of the primary constituent elements.

(4) Critical habitat does not include the following lands although they may fall within the legal descriptions below:

(i) Lands within the following California counties: Butte, Madera, Merced, Sacramento, and Solano;

(ii) Federally-owned lands within the boundaries of the Kern, Sacramento, San Francisco Bay, and San Luis National Wildlife Refuges and National Wildlife Refuge Complexes, and the Coleman National Fish Hatchery;

(iii) State-owned lands within the boundaries of the Allensworth, Boggs Lake, Butte Creek Canyon, Calhoun Cut, Carrizo Plains, Dales Lake, Fagan Marsh, Phoenix Field, San Joaquin River, Stone Corral, and Thomes Creek Ecological Reserves;

(iv) State-owned lands within the boundaries of the Battle Creek, Big Sandy, Grizzly Island, Hill Slough, North Grasslands, and Oroville Wildlife Areas.

(5) Subunit 1A: Modoc, Shasta, and Siskiyou Counties, California. From USGS 1:24,000 quadrangle maps Day and Timbered Crater, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N):

(i) Start at 627500, 4561300; 626000, 4561600; 626000, 4562200; 626200, 4562900; 625800, 4563900; 626000, 4564100; 626100, 4564300; 626200, 4564400; 626300, 4564600; 626400, 4564700; 626400, 4564900; 626500, 4565100; 626700, 4565100; 626700, 4565400; 626800, 4565600; 627000, 4565700; 627000, 4566000; 627100, 4566100; 627300, 4566200; 627500, 4566200; 627700, 4566200; 627800, 4566100; 627900, 4566000; 628000, 4565900; 628200, 4565800; 628200, 4565600; 628300, 4565200; 628000, 4565000; 627900, 4564700; 628000, 4564400; 627900, 4564200; 627900, 4564000; 627900, 4563805; 628100, 4563700; 628200, 4563600; 628100, 4563300; 628200, 4563200; 628200, 4563000; 628300, 4562900; 628600, 4562800; 628600, 4562600; 628700, 4562500; 628900, 4562300; 628900, 4562000; 628700, 4561900; 628500, 4561800; 628400, 4561800; 628100, 4561700; 628000, 4561600; 627900, 4561500; 627800, 4561400; 627600, 4561400; returning to 627500, 4561300.

(ii) Start at 634900, 4557900; 634100, 4558300; 633900, 4559000; 633700, 4560000; 634000, 4560800; 634500, 4561300; 634600, 4560900; 635000, 4560700; 635100, 4561000; 635700, 4561000; 636000, 4561100; 637300, 4560000; 637400, 4559300; 637300, 4558900; 636900, 4558700; 636700, 4558300; 636100, 4558000; returning to 634900, 4557900.

(6) Subunit 1B. Shasta County, California. From USGS 1:24,000 quadrangle maps Burney Falls, and Dana, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 616900, 4549000; 616800, 4549000; 615900, 4549500; 615700, 4549800; 615600, 4549900; 615600, 4550000; 615500, 4550100; 615400, 4550200; 615300, 4550400; 615300, 4550600; 615600, 4550700; 615900, 4550700; 616200, 4550500; 616400, 4550300; 616700, 4550100; 616800, 4549800; 617000, 4549400; 617100, 4549100; returning to 616900, 4549000.

(7) Subunit 1C. Shasta County, California. From USGS 1:24,000 quadrangle map Burney, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 612800, 4536000; 612700, 4536000; 612600, 4536100; 612600, 4536200; 612500, 4536300; 612500, 4536500; 612300, 4536500; 612300, 4536700; 612300, 4537100; 612500, 4537400; 612500, 4537600; 612600, 4537700; 612700, 4537700; 612900, 4537800; 613000, 4537900; 613000, 4538100; 612900, 4538300; 612900, 4538500; 613000, 4538600; 613100, 4538800; 613400, 4538900; 613600, 4539000; 613700, 4539100; 613800, 4539100; 613900,

4539100; 614000, 4539000; 614100, 4538900; 614200, 4538800; 614400, 4538700; 614400, 4538600; 614300, 4538500; 614100, 4538400; 614000, 4538400; 613800, 4538300; 613600, 4538100; 613400, 4537900; 613400, 4537700; 613400, 4537500; 613200, 4537400; 613200, 4537100; 613100, 4536800; 613000, 4536500; 613000, 4536200; returning to 612800, 4536000.

(8) Subunit 1D: Shasta County, California. From USGS 1:24,000 quadrangle map Burney, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 611900, 4529900; 611700, 4529900; 611500, 4529900; 611000, 4529900; 610500, 4530200; 610400, 4530300; 610200, 4530400; 610200, 4530600; 610300, 4530900; 610600, 4531100; 610500, 4531400; 610200, 4531600; 610200, 4531800; 610100, 4532200; 610100, 4532600; 610000, 4532800; 610000, 4533000; 609900, 4533200; 609900, 4533500; 609700, 4533900; 609600, 4534100; 609600, 4534300; 609600, 4534600; 609600, 4534800; 609600, 4535200; 609500, 4535300; 609300, 4535400; 609100, 4535500; 608800, 4535600; 608600, 4535600; 608300, 4535700; 608200, 4535800; 608000, 4535800; 608100, 4536000; 609700, 4536000; 610300, 4535500; 610500, 4535000; 610600, 4534600; 610500, 4533700; 610800, 4532700; 611000, 4532500; 611000, 4532400; 611100, 4532100; 611300, 4531900; 611500, 4531600; 611500, 4531400; 611600, 4531200; 611800, 4531100; 612000, 4531000; 612200, 4530800; 612200, 4530500; 612100, 4530100; returning to 611900, 4529900.

(9) Subunit 1E: Shasta County, California. From USGS 1:24,000 quadrangle maps Murken Bench and Old Station, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 634800, 4510800; 634600, 4511200; 634400, 4511400; 634600, 4512400; 634200, 4512800; 634300, 4513000; 634400, 4512900; 634800, 4512900; 635100, 4513200; 635800, 4513200; 636000, 4513100; 636000, 4512800; 636000, 4512400; 635600, 4512100; 635500, 4511700; 635500, 4511400; 635400, 4511200; 635100, 4510900; returning to 634800, 4510800.

(10) Subunit 1F. Lassen, and Shasta Counties, California. From USGS 1:24,000 quadrangle maps Poison Lake, and Swains Hole, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N):

(i) Start at 644800, 4500100; 644300, 4500300; 643500, 4500400; 642400, 4500800; 641500, 4501500; 641200, 4502700; 641300, 4502900; 641600, 4502900; 641700, 4503100; 642100,

4503100; 642100, 4503200; 642500, 4503300; 642700, 4503300; 643000, 4503400; 643200, 4503500; 643400, 4503600; 644000, 4503500; 644100, 4503500; 644200, 4503400; 644400, 4503300; 645000, 4503400; 645200, 4503200; 645200, 4502900; 645500, 4502200; 645500, 4501700; 645300, 4501300; 645300, 4500600; 645200, 4500200; returning to 644800, 4500100.

(ii) Start at 648700, 4503600; 648100, 4504000; 647400, 4505400; 647800, 4505900; 647500, 4506600; 647700, 4507200; 648800, 4507600; 649500, 4507400; 650300, 4507600; 651200, 4507700; 651500, 4507600; 651800, 4506500; 652200, 4505700; 651700, 4504900; 651500, 4505100; 650800, 4504400; 650300, 4504700; 649500, 4504900; 648800, 4504600; 648900, 4503800; returning to 648700, 4503600.

(11) Subunit 1G. Lassen County, California. From USGS 1:24,000 quadrangle maps Bogard Buttes, Harvey Mountain, Pine Creek Valley, and Poison Lake, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 661100, 4497700; 659900, 4497900; 659300, 4497700; 657500, 4499000; 655500, 4500700; 655000, 4501200; 654900, 4501700; 655100, 4501600; 655600, 4501800; 656600, 4502600; 656700, 4502800; 657700, 4503200; 658700, 4503200; 660000, 4503600; 661300, 4504400; 662200, 4505000; 662900, 4505100; 663600, 4504700; 664200, 4504500; 664400, 4504300; 664400, 4503100; 664100, 4503000; 662800, 4502300; 661600, 4501100; 661300, 4499600; 660800, 4498800; 660700, 4498600; 660700, 4498200; 660800, 4498000; 661000, 4498000; returning to 661100, 4497700.

(12) Subunit 1H. Shasta County, California. From USGS 1:24,000 quadrangle maps Old Station, and West Prospect, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 630400, 4492700; 629900, 4493100; 629300, 4493500; 629100, 4493700; 629300, 4494200; 629500, 4494700; 629400, 4494800; 629400, 4495200; 629700, 4495500; 630500, 4495700; 630500, 4496500; 631700, 4497100; 631700, 4497600; 631800, 4498000; 631900, 4498200; 632000, 4498400; 632100, 4498400; 632400, 4498400; 633900, 4497900; 634200, 4496800; 634200, 4496700; 634100, 4496600; 634100, 4496300; 634400, 4496100; 634400, 4495800; 634600, 4495600; 634600, 4495400; 634800, 4495400; 635000, 4495200; 635000, 4494900; 635200, 4494800; 635200, 4494500; 635100, 4494400; 634800, 4494000; 635100, 4493500; 635000, 4493400; 635200, 4493100; 634900, 4492900; 634300, 4492900;

634300, 4493700; 634100, 4493900; 634100, 4494100; 633600, 4494400; 632500, 4495100; 631900, 4495300; 631300, 4495200; 631000, 4495000; 630700, 4494500; 630500, 4494000; 630500, 4493400; 630400, 4493300; returning to 630400, 4492700.

(13) Subunit 1I. Plumas County, California. From USGS 1:24,000 quadrangle map Almanor, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 655400, 4452100; 655000, 4452100; 654900, 4452500; 654400, 4452700; 654100, 4453000; 653900, 4453200; 653700, 4453200; 653400, 4453000; 652600, 4453000; 652300, 4453500; 651900, 4453700; 651600, 4454400; 651600, 4454700; 652000, 4455400; 652400, 4455500; 652700, 4455700; 653200, 4455300; 653000, 4455100; 653000, 4454800; 653300, 4454400; 653500, 4454100; 653900, 4453900; 654500, 4453700; 654900, 4453400; 655300, 4452900; 655400, 4452600; returning to 655400, 4452100.

(14) Subunit 2A. Shasta County, California. From USGS 1:24,000 quadrangle map Enterprise, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 558800, 4488900; 558500, 4488900; 558000, 4489000; 558000, 4489800; 558100, 4489800; 558300, 4489900; 558200, 4490100; 558000, 4490100; 558000, 4491700; 558500, 4491700; 558900, 4491600; 559100, 4491300; 559100, 4490700; 559000, 4490600; 559000, 4490400; 559200, 4490200; 559200, 4490000; 559400, 4489800; 559400, 4489300; 559200, 4489000; returning to 558800, 4488900.

(15) Subunit 2B. Shasta County, California. From USGS 1:24,000 quadrangle maps Balls Ferry, Cottonwood, Enterprise, and Palo Cedro, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N):

(i) Start at 564200, 4480900; 563600, 4480900; 563300, 4481000; 563100, 4480900; 562900, 4480900; 562500, 4481200; 562400, 4481500; 562400, 4481700; 562300, 4482400; 562000, 4482500; 561900, 4482800; 561800, 4483300; 561500, 4483700; 561000, 4484000; 560700, 4485400; 560700, 4486500; 560800, 4486700; 561000, 4486900; 561200, 4487000; 561300, 4487600; 561600, 4487900; 562000, 4487900; 562500, 4487400; 562700, 4487100; 562900, 4487200; 563200, 4487200; 563300, 4487000; 563300, 4486700; 563800, 4486400; 564300, 4484700; 564300, 4484400; 564500, 4484100; 564500, 4483800; 564600, 4483700; 564600, 4483400; 564400, 4483100; 564100, 4482800; 564100, 4482600; 564300, 4482600; 564300, 4482600; 564300,

4482400; 564300, 4482300; 564200, 4482200; 564100, 4482100; 564000, 4482100; 564200, 4481800; returning to 564200, 4480900; excluding land bounded by 562900, 4485000; 562100, 4485000; 562100, 4485372; 562100, 4485400; 561700, 4485400; 561700, 4485400; 561700, 4485779; 561700, 4485800; 561300, 4485800; 561300, 4484100; 562100, 4484100; 562300, 4484010; 562300, 4484000; 562300, 4483803; 562300, 4483800; 562304, 4483794; 562500, 4483500; 562500, 4483500; 562400, 4483500; 562400, 4483500; 562400, 4482600; returning to 562900, 4482600.

(ii) Start at 559900, 4482000; 559400, 4482000; 558900, 4482400; 558900, 4482900; 558900, 4483600; 558300, 4483600; 558200, 4483900; 558200, 4484500; 558000, 4484800; 558000, 4485100; 558000, 4485300; 557800, 4485600; 557600, 4485900; 557300, 4486100; 557300, 4487400; 559000, 4487400; 559000, 4486800; 559000, 4484000; 559300, 4484000; 559300, 4483900; 559500, 4483900; 559800, 4483600; 560700, 4483600; 560900, 4483500; 560500, 4483500; 560500, 4482600; 560100, 4482500; 559900, 4482500; returning to 559900, 4482000.

(16) Subunit 2C. Shasta County, California. From USGS 1:24,000 quadrangle maps Balls Ferry, and Palo Cedro, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 566900, 4477300; 566700, 4477300; 566100, 4478200; 565900, 4478900; 565500, 4479200; 565500, 4479300; 565600, 4479600; 565300, 4479700; 565300, 4479900; 565400, 4480200; 566100, 4480400; 566100, 4480700; 565700, 4480800; 565700, 4481000; 565700, 4481300; 565700, 4481700; 565500, 4482500; 565100, 4482600; 564900, 4482900; 564900, 4483100; 565000, 4483300; 565400, 4483800; 565700, 4484900; 566400, 4485400; 567400, 4485000; 568100, 4483800; 568100, 4483300; 568400, 4483000; 568400, 4482100; 568200, 4481600; 567500, 4481300; 567500, 4480200; 567700, 4479400; 567700, 4478400; 567500, 4477800; returning to 566900, 4477300.

(17) Unit 3: Shasta and Tehama Counties, California. From USGS 1:24,000 quadrangle maps Balls Ferry, Bend, Dales, Red Bluff East, Shingletown, and Tuscan Buttes NE, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 570200, 4454800; 570200, 4455000; 570600, 4455900; 570000, 4456100; 569500, 4456300; 569300, 4456500; 568900, 4456500; 568600, 4456500; 568000, 4456800; 567900, 4457100; 567900, 4458000; 568400, 4458800; 569100, 4459800; 569600,

4460500; 569500, 4460800; 569000, 4460600; 568300, 4460700; 567500, 4460700; 566800, 4460000; 566400, 4460000; 565900, 4461100; 565800, 4461400; 565800, 4461700; 566000, 4462000; 565800, 4462300; 565900, 4462400; 565800, 4462500; 565900, 4462600; 565800, 4462800; 565900, 4462900; 565900, 4463000; 566000, 4463100; 566300, 4463100; 566500, 4463300; 566500, 4463600; 566700, 4463700; 566800, 4463700; 566900, 4463600; 567100, 4463500; 567200, 4463600; 567600, 4463400; 568300, 4463200; 569800, 4463200; 570600, 4463900; 570800, 4464300; 572000, 4465200; 572000, 4466300; 572100, 4466600; 572800, 4467300; 573500, 4468600; 573400, 4469000; 573100, 4469400; 572900, 4469600; 572600, 4469600; 571800, 4468800; 571400, 4468100; 571000, 4467900; 571000, 4468700; 571200, 4468700; 571100, 4469200; 571200, 4469500; 571200, 4470500; 570500, 4470900; 570300, 4471000; 570100, 4471000; 569800, 4470900; 569600, 4471000; 569400, 4471400; 569400, 4471800; 569700, 4471900; 569600, 4472000; 569900, 4472200; 570200, 4472100; 570500, 4472000; 570800, 4472200; 570900, 4472100; 571000, 4472100; 571300, 4472200; 571700, 4472200; 571900, 4472200; 572200, 4472300; 572500, 4472100; 573900, 4472100; 574300, 4473200; 575100, 4473200; 575600, 4473500; 576000, 4473900; 576600, 4473900; 577300, 4473900; 577700, 4474200; 578600, 4474200; 579300, 4474400; 580000, 4474400; 580600, 4474700; 581900, 4474700; 582400, 4475300; 583000, 4475400; 583200, 4475400; 583700, 4475000; 584200, 4475200; 584600, 4475200; 585400, 4474500; 586000, 4473600; 586100, 4473400; 585800, 4472600; 585500, 4472100; 584800, 4471900; 584500, 4471600; 584500, 4471400; 584700, 4471100; 584700, 4470800; 584500, 4470500; 583400, 4469700; 583100, 4469400; 582600, 4468500; 582600, 4467600; 582700, 4466900; 582700, 4466700; 581900, 4465800; 581000, 4465500; 580600, 4465200; 580400, 4464000; 580200, 4463300; 578900, 4462700; 578500, 4462300; 578100, 4462000; 577800, 4460900; 577700, 4460000; 576700, 4459300; 576600, 4458800; 576800, 4458300; 576800, 4457100; 576400, 4456700; 575500, 4456800; 574900, 4456800; 574100, 4455900; 573500, 4455600; 572300, 4455300; 572000, 4455300; 571600, 4455600; 571400, 4455400; 571100, 4454900; 570600, 4454900; returning to 570200, 4454800.

(18) Unit 4: Butte, and Tehama Counties, California. From USGS 1:24,000 quadrangle maps Acorn

Hollow, Foster Island, Los Molinos, Nord, Richardson Springs NW, and Vina, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N):

(i) Start at 588700, 4429900; 588200, 4426500; 587900, 4426300; 587900, 4426800; 587800, 4426900; 587900, 4427000; 588000, 4427300; 587900, 4427300; 587800, 4427200; 587600, 4426800; 587500, 4426600; 587400, 4426400; 587200, 4426200; 586700, 4425700; 586500, 4425700; 586200, 4425400; 585900, 4425400; 585800, 4425400; 585500, 4425600; 584900, 4425600; 584900, 4425400; 584900, 4425200; 585000, 4425000; 584800, 4425000; 584600, 4424900; 584500, 4424900; 584300, 4425000; 584100, 4425000; 583900, 4425200; 583700, 4425400; 583400, 4425500; 583300, 4425500; 583300, 4425300; 583100, 4425300; 583000, 4425400; 582900, 4425200; 582800, 4425000; 582700, 4424800; 582700, 4424600; 582600, 4424500; 582600, 4424200; 582400, 4424100; 582300, 4423800; 582100, 4423600; 582100, 4423500; 581300, 4422800; 581000, 4422600; 580600, 4422800; 580200, 4423800; 579900, 4424500; 579700, 4424800; 579500, 4425400; 579700, 4425600; 580100, 4425600; 580800, 4426400; 581700, 4427000; 582300, 4427000; 582300, 4426900; 582400, 4426800; 582500, 4426800; 582700, 4426700; 582800, 4426700; 583500, 4426800; 583900, 4426900; 584000, 4427000; 584200, 4427100; 584600, 4427600; 584800, 4427900; 585100, 4428200; 585900, 4428500; 586300, 4428500; 586900, 4428900; 587300, 4429100; 588300, 4429600; 588500, 4430000; returning to 588700, 4429900.

(ii) Start at 588700, 4429900; 588900, 4429500; 589500, 4429500; 589500, 4428600; 589500, 4428000; 589800, 4427100; 590500, 4426400; 590500, 4425300; 591200, 4424400; 591500, 4423300; 591600, 4422100; 590900, 4420900; 590700, 4419800; 588000, 4417000; 587500, 4416400; 587200, 4415500; 587200, 4415100; 587300, 4415000; 587300, 4414500; 587200, 4414400; 587100, 4414300; 586900, 4414000; 586400, 4413900; 586200, 4413700; 586000, 4413600; 585800, 4413600; 585800, 4414700; 585300, 4414700; 585300, 4413800; 585200, 4413700; 584800, 4413700; 584600, 4413600; 584400, 4413600; 584200, 4413500; 584000, 4413700; 583200, 4413400; 583000, 4414200; 583700, 4414600; 583500, 4415000; 583000, 4415900; 583000, 4416400; 582900, 4416700; 582800, 4416900; 582700, 4417000; 582700, 4417200; 582900, 4417300; 582800, 4417400; 582700, 4417500; 582700, 4417600; 582600,

4417700; 582600, 4418000; 582600, 4418100; 582600, 4418200; 582700, 4418300; 582500, 4418400; 582400, 4418300; 582200, 4418300; 582100, 4418400; 582100, 4418500; 582000, 4418600; 582100, 4418700; 582100, 4418900; 582200, 4419100; 582100, 4419300; 582200, 4419500; 582100, 4419600; 582000, 4419700; 582100, 4419800; 582100, 4419900; 582200, 4420000; 582200, 4420300; 582100, 4420500; 582200, 4420600; 582200, 4420800; 582300, 4421100; 582900, 4421500; 582900, 4421600; 583300, 4422000; 583400, 4422100; 583900, 4422100; 584100, 4422300; 584200, 4422300; 584300, 4422400; 584400, 4422500; 584600, 4422900; 585100, 4423400; 585600, 4423700; 585800, 4423900; 585800, 4424200; 586100, 4424200; 586600, 4424800; 586800, 4424900; 587300, 4425500; 587400, 4425600; 587500, 4425800; 587500, 4425900; 587600, 4426000; 587700, 4426100; 587800, 4426100; 587900, 4426200; 587900, 4426300; 588200, 4426500; returning to 588700, 4429900.

(19) Subunit 5A: Lake County, California. From USGS 1:24,000 quadrangle maps Kelseyville, and The Geysers, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 520000, 4302900; 519600, 4302900; 519200, 4303200; 518600, 4303600; 518400, 4304000; 517700, 4304500; 517700, 4305500; 518000, 4305800; 518900, 4305800; 519400, 4305600; 519400, 4305200; 520600, 4304700; 520700, 4304400; 521200, 4303900; 521200, 4303500; 520900, 4303400; returning to 520000, 4302900.

(20) Subunit 5B: Lake County, California. From USGS 1:24,000 quadrangle maps Middletown, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 540700, 4298300; 540200, 4298400; 539100, 4299100; 538800, 4299200; 538400, 4299200; 538100, 4299500; 538300, 4300200; 537900, 4300700; 537400, 4300600; 536900, 4299900; 536300, 4299700; 536000, 4299700; 535100, 4300400; 535000, 4300800; 535000, 4301200; 535100, 4301800; 535300, 4302200; 535700, 4302400; 536100, 4302400; 536900, 4302300; 538700, 4301200; 539100, 4300600; 540000, 4300000; 540700, 4299700; 541000, 4299300; 541100, 4298700; returning to 540700, 4298300.

(21) Unit 6: Sacramento County, California. [Reserved]

(22) Maps follow of critical habitat unit 1, 2 through 4, and 5 (respectively) for slender Orcutt grass.

BILLING CODE 4310-55-P

