

BILLING CODE 4310-55-C

Vernal Pool Tadpole Shrimp (*Lepidurus packardii*)

(1) Critical habitat units are depicted for Alameda, Amador, Butte, Colusa,

Fresno, Kings, Madera, Mariposa, Merced, Sacramento, Shasta, Solano, Stanislaus, Tehama, Tulare, Yolo, and

Yuba counties, California, on the map below.

(2) The primary constituent elements of critical habitat for vernal pool tadpole shrimp (*Lepidurus packardii*) are the habitat components that provide:

(i) Topographic features characterized by mounds and swales and depressions within a matrix of surrounding uplands that result in complexes of continuously, or intermittently, flowing surface water in the swales connecting the pools described below in paragraph (2)(ii), providing for dispersal and promoting hydroperiods of adequate length in the pools;

(ii) Depressional features including isolated vernal pools with underlying restrictive soil layers that become inundated during winter rains and that continuously hold water for a minimum of 41 days, in all but the driest years; thereby providing adequate water for incubation, maturation, and reproduction. As these features are inundated on a seasonal basis, they do not promote the development of obligate wetland vegetation habitats typical of permanently flooded emergent wetlands;

(iii) Sources of food, expected to be detritus occurring in the pools, contributed by overland flow from the pools' watershed, or the results of biological processes within the pools themselves, such as single-celled bacteria, algae, and dead organic matter, to provide for feeding; and

(iv) Structure within the pools described above in paragraph (2)(ii), consisting of organic and inorganic materials, such as living and dead plants from plant species adapted to seasonally inundated environments, rocks, and other inorganic debris that may be washed, blown, or otherwise transported into the pools, that provide shelter.

(3) Existing manmade features and structures, such as buildings, roads, railroads, airports, runways, other paved areas, lawns, and other urban landscaped areas do not contain one or more of the primary constituent elements. Federal actions limited to those areas, therefore, would not trigger a consultation under section 7 of the Act unless they may affect the species and/or primary constituent elements in adjacent critical habitat.

(4) Unit 1: Shasta County, California. From USGS 1:24,000 scale quadrangle Palo Cedro, Enterprise, Balls Ferry, and Cottonwood. Land bounded by the following UTM Zone 10, NAD 83 coordinates (E,N): 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, 4482300; 564200, 4482200; 564100, 4482100; 564000, 4482100; 564200, 4481800; 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; returning to 562500, 4487400;

(5) Unit 2: Shasta County, California.

(i) Unit 2A: Shasta County, California. From USGS 1:24,000 scale quadrangle Balls Ferry. Land bounded by the following UTM Zone 10, NAD 83 coordinates (E,N): 570448, 4472017; 570459, 4471725; 570459, 4471725; 570459, 4471724; 570408, 4471708; 570382, 4471714; 570356, 4471741; 570335, 4471767; 570304, 4471767; 570298, 4471772; 570279, 4471768; 570240, 4471758; 570210, 4471761; 570196, 4471743; 570183, 4471738; 570173, 4471734; 570160, 4471705; 570156, 4471680; 570156, 4471678; 570150, 4471671; 570139, 4471657; 570139, 4471657; 570139, 4471654; 570118, 4471628; 570092, 4471624; 570089, 4471624; 570071, 4471623; 570054, 4471623; 570006, 4471624; 569975, 4471641; 569952, 4471639; 569913, 4471639; 569893, 4471626; 569866, 4471623; 569852, 4471624; 569821, 4471597; 569810, 4471574; 569789, 4471573; 569761, 4471574; 569757, 4471575; 569735, 4471544; 569722, 4471574; 569676, 4471581; 569658, 4471581; 569644, 4471584; 569625, 4471584; 569605, 4471585; 569557, 4471585; 569534, 4471593; 569517, 4471599; 569494, 4471607; 569465, 4471615; 569438, 4471622; 569415, 4471629; 569400, 4471629; 569400, 4471687; 569400, 4471800; 569600, 4471900; 569600, 4472000; 569900, 4472200; 570200, 4472100; returning to 570448, 4472017;

(ii) Unit 2B: Shasta and Tehama Counties, California. From USGS 1:24,000 scale quadrangle Shingletown, Tuscan Buttes NE, Balls Ferry, Dales, Bend, and Red Bluff East. Land bounded by the following UTM Zone 10, NAD 83 coordinates (E,N): 583610, 4475072; 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; 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; 570460, 4470920; 570460, 4470932; 570466, 4470931; 570461, 4471354; 570786, 4471349; 571229, 4471353; 571235, 4471908; 571236, 4471912; 571238, 4471962; 571244, 4471992; 571237, 4472042; 571244, 4472069; 571247, 4472123; 571249, 4472164; 571271, 4472165; 571363, 4472165; 571405, 4472139; 571460, 4472143; 571460, 4472143; 571467, 4472144; 571524, 4472166; 571541, 4472166; 571635, 4472166; 571647, 4472171; 571714, 4472199; 571723, 4472200; 571739, 4472200; 571900, 4472200; 572154, 4472285; 572154, 4472284; 572156, 4472284; 572159, 4472227; 572162, 4472225; 572168, 4472227; 572181, 4472226; 572208, 4472225; 572219, 4472223; 572231, 4472219;

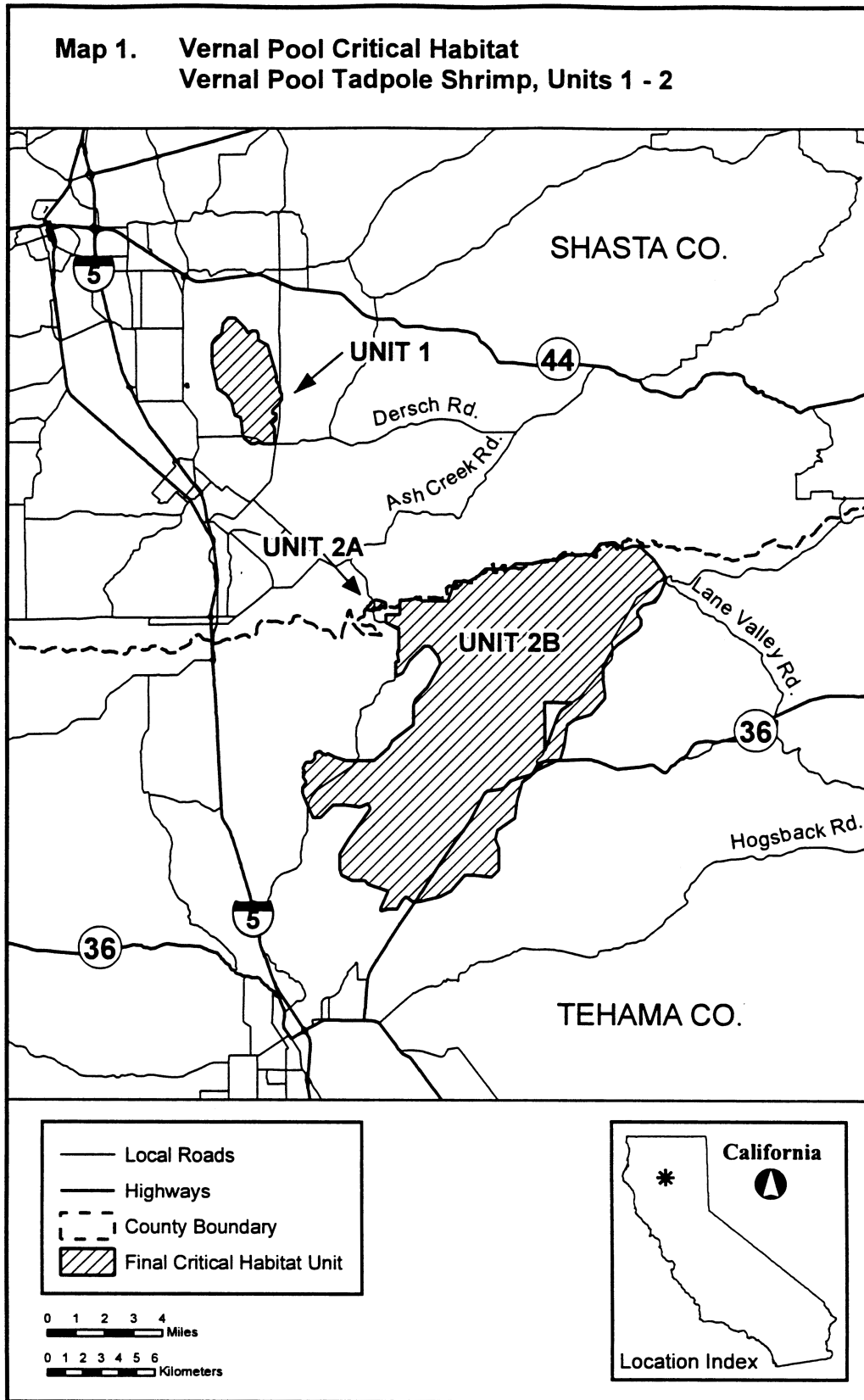
572241, 4472217; 572282, 4472215;
572307, 4472215; 572325, 4472213;
572332, 4472212; 572500, 4472100;
573900, 4472100; 574151, 4472791;
574207, 4472814; 574212, 4472816;
574219, 4472814; 574238, 4472808;
574256, 4472804; 574271, 4472800;
574293, 4472798; 574321, 4472797;
574342, 4472798; 574360, 4472803;
574369, 4472807; 574384, 4472811;
574403, 4472815; 574428, 4472823;
574450, 4472828; 574469, 4472831;
574483, 4472832; 574489, 4472834;
574488, 4472924; 574488, 4472933;
574488, 4472941; 574487, 4472952;
574487, 4472951; 574459, 4472946;

574443, 4472942; 574425, 4472940;
574411, 4472938; 574397, 4472937;
574391, 4472934; 574379, 4472930;
574373, 4472928; 574365, 4472924;
574356, 4472921; 574353, 4472920;
574342, 4472919; 574346, 4472925;
574358, 4472955; 574465, 4473021;
574448, 4473020; 574445, 4473038;
574336, 4472971; 574326, 4472947;
574297, 4472920; 574278, 4472922;
574261, 4472941; 574253, 4472951;
574231, 4472975; 574223, 4472987;
574300, 4473200; 574754, 4473200;
574939, 4473200; 575100, 4473200;
575456, 4473413; 575600, 4473500;
575624, 4473524; 576000, 4473900;

576107, 4473900; 576460, 4473900;
576600, 4473900; 576883, 4473900;
577069, 4473900; 577300, 4473900;
577344, 4473933; 577351, 4473938;
577700, 4474200; 578600, 4474200;
578685, 4474224; 578803, 4474258;
579300, 4474400; 579637, 4474400;
580000, 4474400; 580600, 4474700;
580991, 4474700; 581447, 4474700;
581900, 4474700; 581931, 4474738;
582400, 4475300; 583000, 4475400;
583200, 4475400; returning to 583610,
4475072;

(iii) **Note:** Units 1 and 2 (Map 1) follow:

BILLING CODE 4310-55-P



BILLING CODE 4310-55-C

(6) Unit 3: Tehama County, California.

(i) Unit 3A: Tehama County, California. From USGS 1:24,000 scale

quadrangle Acorn Hollow and Richardson Springs NW. Land bounded by the following UTM Zone 10, NAD 83 coordinates (E,N): 588739, 4429822;

588900, 4429500; 589500, 4429500; 589500, 4428600; 589500, 4428000; 589800, 4427100; 590500, 4426400; 590500, 4425300; 591200, 4424400;

591500, 4423300; 591562, 4422558;
590526, 4423686; 589986, 4424273;
589816, 4424458; 589129, 4425207;
588454, 4426221; 588425, 4426265;
588279, 4426485; 588213, 4426583;
588213, 4426584; 588600, 4429100;
588733, 4429833; returning to 588739,
4429822;

(ii) Unit 3B: Tehama County,
California. From USGS 1:24,000 scale
quadrangle Richard Springs NW. Land
bounded by the following UTM Zone
10, NAD 83 coordinates (E,N): 593700,
4420900; 593164, 4420815; 592329,
4421723; 592258, 4421800; 593000,
4421800; 593100, 4421500; 593500,
4421400; returning to 593700, 4420900;

(iii) Unit 3C: Tehama County,
California. From USGS 1:24,000 scale
quadrangle Richard Springs NW. Land
bounded by the following UTM Zone
10, NAD 83 coordinates (E,N): 594500,
4420300; 593881, 4420035; 593371,
4420590; 594000, 4420800; 594400,
4420600; returning to 594500, 4420300;

(iv) Unit 3D: Tehama and Butte
Counties, California. From USGS
1:24,000 scale quadrangle Campbell
Mound, Richardson Springs NW, and
Richardson Springs. Land bounded by
the following UTM Zone 10, NAD 83
coordinates (E,N): 597100, 4416400;
597100, 4415600; 597044, 4415525;
596800, 4415200; 597100, 4415000;
597800, 4415500; 598100, 4415200;
597600, 4414600; 597600, 4414400;
597300, 4413800; 597300, 4413300;
598200, 4413900; 598400, 4413900;
598400, 4413600; 597422, 4411938;
597281, 4412382; 596959, 4413403;
596640, 4414416; 596620, 4414481;
596305, 4415484; 596303, 4415489;

596130, 4416040; 596091, 4416160;
596028, 4416358; 596011, 4416411;
595993, 4416465; 595982, 4416500;
596000, 4416500; 596100, 4416400;
596200, 4416500; 596300, 4416600;
596400, 4416700; 596500, 4416700;
596500, 4416800; 596600, 4416800;
597100, 4416400;

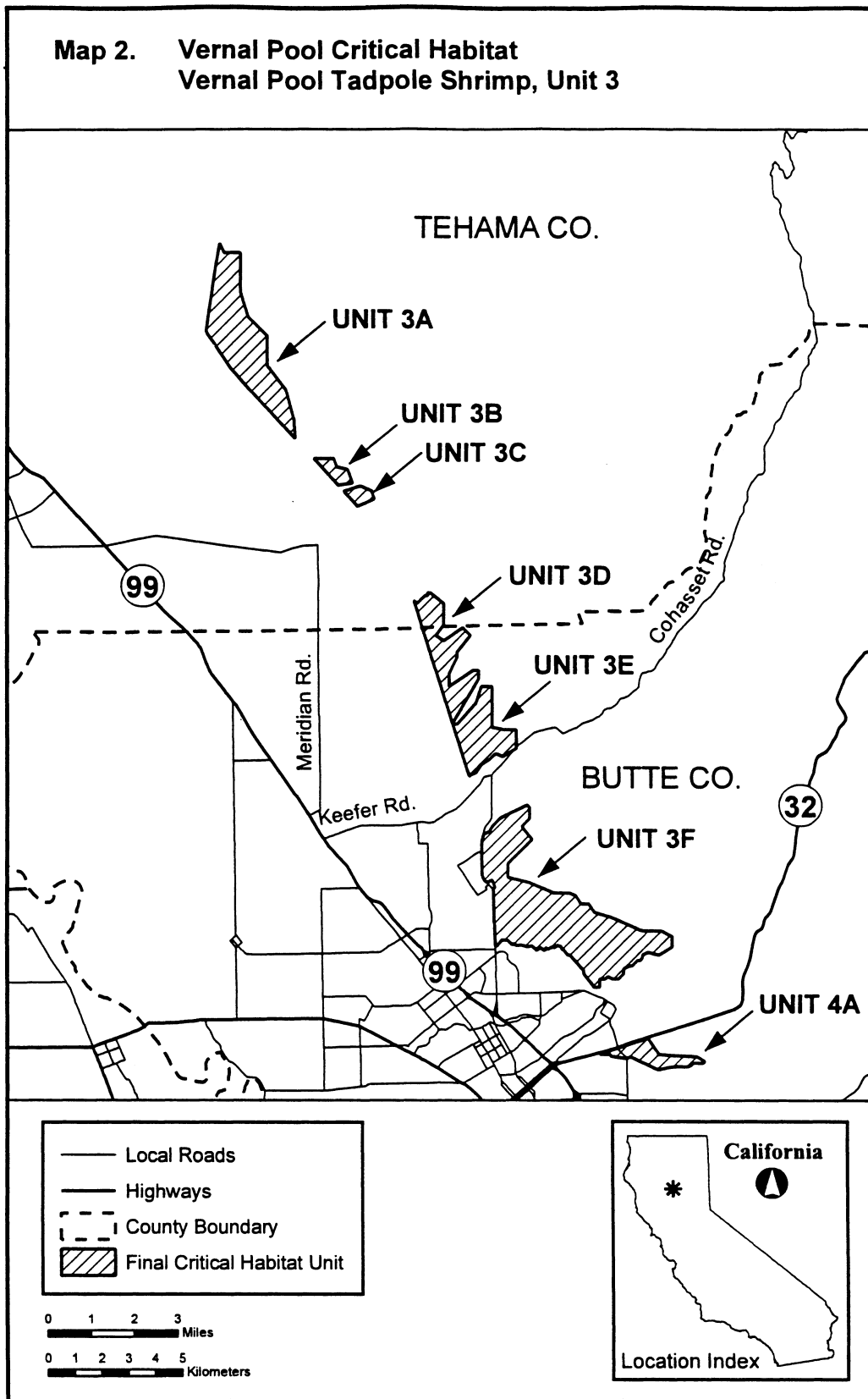
(v) Unit 3E: Butte County, California.
From USGS 1:24,000 scale quadrangle
Richardson Springs. Land bounded by
the following UTM Zone 10, NAD 83
coordinates (E,N): 598900, 4411800;
599400, 4411700; 599800, 4411700;
599800, 4411000; 599300, 4410700;
599100, 4410800; 599000, 4410800;
598800, 4410600; 598500, 4410400;
598300, 4410100; 598100, 4410000;
598070, 4409970; 598051, 4409993;
598038, 4410010; 598014, 4410083;
597806, 4410737; 597725, 4410990;
597461, 4411816; 597434, 4411900;
597600, 4411900; 598300, 4412700;
598500, 4413300; 598900, 4413300;
returning to 598900, 4411800;

(vi) Unit 3F: Butte County, California.
From USGS 1:24,000 scale quadrangle
Richardson Springs. Land bounded by
the following UTM Zone 10, NAD 83
coordinates (E,N): 599500, 4406200;
600300, 4406000; 601200, 4405600;
601800, 4405600; 602000, 4405500;
602200, 4405200; 602500, 4405200;
602700, 4404900; 603300, 4404700;
604500, 4404200; 605200, 4404200;
605600, 4404000; 605600, 4403600;
605100, 4403300; 604700, 4403400;
604500, 4403300; 604475, 4403175;
604400, 4403100; 604300, 4403100;
604200, 4403000; 604100, 4402900;
604000, 4402900; 603800, 4402800;
603800, 4402600; 603600, 4402400;

603400, 4402400; 603200, 4402500;
603100, 4402400; 602900, 4402400;
602900, 4402100; 602700, 4402100;
602300, 4402600; 602300, 4402700;
601800, 4403300; 601714, 4403300;
601553, 4403500; 601501, 4403499;
601465, 4403621; 601319, 4403663;
601226, 4403595; 601089, 4403571;
600979, 4403503; 600901, 4403569;
600860, 4403446; 600704, 4403566;
600542, 4403475; 600507, 4403530;
600473, 4403563; 600453, 4403580;
600369, 4403651; 600344, 4403642;
600232, 4403605; 599983, 4403679;
599973, 4403678; 599801, 4403662;
599725, 4403718; 599651, 4403697;
599493, 4403839; 599328, 4403862;
599302, 4403865; 599269, 4403870;
599084, 4403634; 599024, 4403611;
598987, 4404400; 598980, 4404543;
598971, 4404723; 598955, 4405388;
598953, 4405458; 598951, 4405529;
598947, 4405677; 598934, 4405719;
598919, 4405750; 599000, 4405800;
598900, 4406100; 598700, 4406000;
598694, 4406000; 598635, 4406058;
598598, 4406103; 598583, 4406127;
598567, 4406159; 598549, 4406210;
598544, 4406234; 598540, 4406255;
598533, 4406421; 598522, 4406815;
598516, 4407133; 598511, 4407496;
598513, 4407515; 598525, 4407568;
598527, 4407571; 598527, 4407589;
598580, 4407812; 598800, 4407900;
598900, 4408100; 599200, 4408400;
600200, 4408900; 600300, 4408800;
600300, 4408400; 600000, 4408100;
600400, 4407600; 599500, 4406700;
returning to 599500, 4406200.

(vii) **Note:** Unit 3 (Map 2) follows:

BILLING CODE 4310-55-P



BILLING CODE 4310-55-C

(7) Unit 4: Butte County, California.

(i) Unit 4A: Butte County, California.
From USGS 1:24,000 scale quadrangle

Chico. Land bounded by the following
UTM Zone 10, NAD 83 coordinates
(E,N): 605100, 4399600; 606500,
4399500; 606797, 4399330; 606777,

4399300; 606724, 4399252; 606568,
4399265; 606528, 4399272; 606479,
4399279; 606478, 4399279; 606394,
4399264; 606362, 4399238; 606329,

4399210; 606274, 4399169; 606209, 4399135; 606125, 4399122; 606060, 4399122; 605967, 4399131; 605899, 4399134; 605857, 4399134; 605822, 4399130; 605789, 4399116; 605781, 4399138; 605775, 4399149; 605764, 4399152; 605763, 4399152; 605701, 4399142; 605589, 4399116; 605504, 4399107; 605432, 4399110; 605319, 4399064; 605233, 4399045; 605173, 4399034; 605135, 4399023; 605134, 4399023; 605127, 4399023; 605109, 4399023; 605080, 4399025; 605063, 4399025; 605002, 4399051; 604957, 4399069; 604907, 4399092; 604029, 4399508; 603896, 4399435; 603886, 4399435; 603879, 4399436; 603300, 4399523; 603300, 4399600; 602900, 4399600; 603500, 4399800; 604700, 4400200; returning to 605100, 4399600;

(ii) Unit 4B: Butte County, California. From USGS 1:24,000 scale quadrangle Hamlin Canyon and Chico. Land bounded by the following UTM Zone 10, NAD 83 coordinates (E,N): 606028, 4393143; 606288, 4392851; 606346, 4392785; 606490, 4392637; 606537, 4392593; 607117, 4392045; 607644, 4391539; 607748, 4391438; 607826, 4391363; 608227, 4390978; 608537, 4390636; 608852, 4390288; 609145, 4389965; 609391, 4389694; 609721, 4389330; 609736, 4389313; 609890, 4389143; 610122, 4388889; 610187, 4388819; 610239, 4388754; 610321, 4388664; 610359, 4388624; 610400, 4388500; 609300, 4388100; 609300, 4387900; 608800, 4387800; 608800, 4389300; 607600, 4389300; 607600, 4389500; 607500, 4389600; 607400, 4389600; 607400, 4389900; 607300, 4390000; 607400, 4390000; 607500, 4390100; 607400, 4390300; 607400, 4390500; 607300, 4390600; 607300, 4390800; 607100, 4391000; 605700, 4392300; 605800, 4392300; 606000, 4392500; 606100, 4392700; 605900, 4392900; 605800, 4392900; 605600, 4392800; returning to 606028, 4393143;

(iii) Unit 4C: Butte County, California. From USGS 1:24,000 scale quadrangle Hamlin Canyon and Shippee. Land bounded by the following UTM Zone 10, NAD 83 coordinates (E,N): 610300,

4383000; 610400, 4382900; 610500, 4382900; 610500, 4382800; 610500, 4382700; 610500, 4382600; 610200, 4382300; 610100, 4382400; 610200, 4382500; 610200, 4382600; 610200, 4382700; 610100, 4382600; 609900, 4382400; 609814, 4382314; 608500, 4383300; 608800, 4383800; 609500, 4384200; 609500, 4384500; 609300, 4385000; 609600, 4385300; 609300, 4385800; 609500, 4386000; 609900, 4386100; 610100, 4386100; 610100, 4386400; 610200, 4386500; 610500, 4386700; 611100, 4387100; 611400, 4387400; 611364, 4387515; 611887, 4386936; 612214, 4386572; 612293, 4386410; 612300, 4386300; 612000, 4386100; 611300, 4384500; 611000, 4384500; 611000, 4383600; 610400, 4383600; 610400, 4383200; 610300, 4383200; 610300, 4383100; 610200, 4383000; returning to 610300, 4383000;

(iv) Unit 4D: Butte County, California. From USGS 1:24,000 scale quadrangle Cherokee and Hamlin Canyon. Land bounded by the following UTM Zone 10, NAD 83 coordinates (E,N): 617200, 4387700; 616864, 4387566; 616852, 4387659; 616841, 4388048; 616843, 4388082; 616851, 4388261; 616929, 4388656; 616982, 4388850; 617175, 4389518; 617195, 4389572; 617301, 4390087; 617309, 4390125; 617361, 4390354; 617380, 4390409; 617409, 4390495; 617442, 4390589; 617469, 4390681; 618600, 4390600; 618800, 4390200; 618800, 4389700; 617800, 4388300; returning to 617200, 4387700;

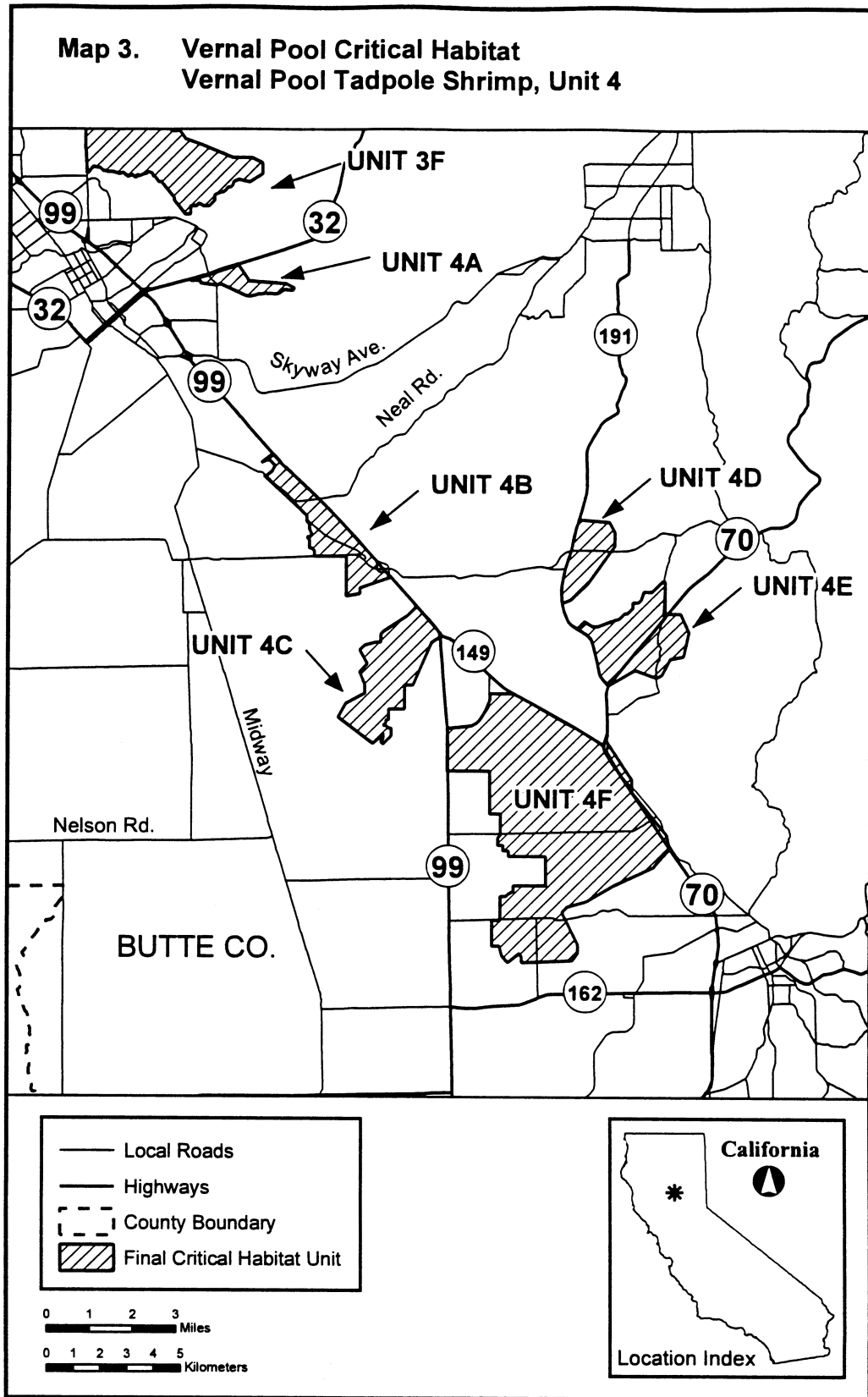
(v) Unit 4E: Butte County, California. From USGS 1:24,000 scale quadrangle Cherokee, Shippee, and Oroville. Land bounded by the following UTM Zone 10, NAD 83 coordinates (E,N): 620700, 4388400; 620700, 4387200; 621300, 4387200; 621600, 4386500; 621400, 4385600; 620900, 4385500; 620600, 4384900; 620400, 4384800; 619600, 4385100; 618600, 4384500; 618592, 4384506; 618560, 4384544; 618512, 4384601; 618377, 4384762; 618358, 4384795; 618286, 4384915; 618226, 4385148; 618207, 4385219; 618185, 4385338; 618017, 4386021; 617998, 4386107; 617951,

4386211; 617930, 4386256; 617902, 4386281; 617839, 4386361; 617731, 4386441; 617685, 4386463; 617667, 4386465; 617664, 4386478; 617425, 4386625; 617700, 4386900; 618000, 4386700; 618200, 4386700; 618700, 4386900; 619000, 4387000; 619200, 4387200; 619300, 4387200; 619500, 4387400; 619500, 4387600; 619700, 4387600; 619800, 4387700; 619900, 4388000; 620200, 4388000; 620600, 4388400; returning to 620700, 4388400;

(vi) Unit 4F: Butte County, California. From USGS 1:24,000 scale quadrangle Oroville and Shippee. Land bounded by the following UTM Zone 10, NAD 83 coordinates (E,N): 618368, 4382306; 618445, 4382277; 618444, 4382301; 618457, 4382372; 618463, 4382408; 618500, 4382501; 618500, 4382500; 619300, 4381300; 619500, 4381000; 619500, 4380500; 620800, 4378900; 620900, 4378400; 620300, 4377700; 618800, 4377000; 617800, 4376400; 617100, 4376200; 616900, 4376000; 617500, 4374800; 617500, 4374500; 617300, 4374200; 615415, 4374121; 615404, 4374354; 615319, 4374453; 614883, 4374120; 614665, 4374382; 614570, 4374749; 614300, 4374727; 614300, 4375700; 614600, 4375700; 614600, 4376600; 614800, 4376600; 614900, 4376700; 615100, 4376800; 615100, 4377000; 615900, 4377000; 616300, 4377000; 616300, 4378100; 614900, 4378100; 614900, 4378300; 614700, 4378300; 614700, 4378500; 614500, 4378500; 614500, 4378800; 614600, 4378900; 614600, 4379700; 614200, 4379700; 614200, 4381300; 612600, 4381300; 612600, 4382900; 613500, 4383000; 613700, 4383100; 613800, 4383200; 614000, 4383500; 614200, 4384000; 614200, 4384200; 614800, 4384200; 615073, 4384200; 615806, 4383804; 616704, 4383304; 617266, 4382991; 617327, 4382957; 617563, 4382829; 617589, 4382812; 617987, 4382563; 618347, 4382330; returning to 618368, 4382306.

(vii) **Note:** Unit 4 (Map 3) follows:

BILLING CODE 4310-55-P



BILLING CODE 4310-55-C

(8) Unit 6: Colusa County, California. From USGS 1:24,000 scale quadrangle Meridian and Colusa. Land bounded by

the following UTM Zone 10, NAD 83 coordinates (E,N): 585800, 4337200; 585900, 4337200; 585900, 4337200; 585900, 4338200; 586100, 4338200;

586100, 4338400; 586800, 4338900; 587000, 4338500; 587000, 4338400; 586800, 4338200; 587000, 4338100; 587500, 4337600; 587700, 4337800;

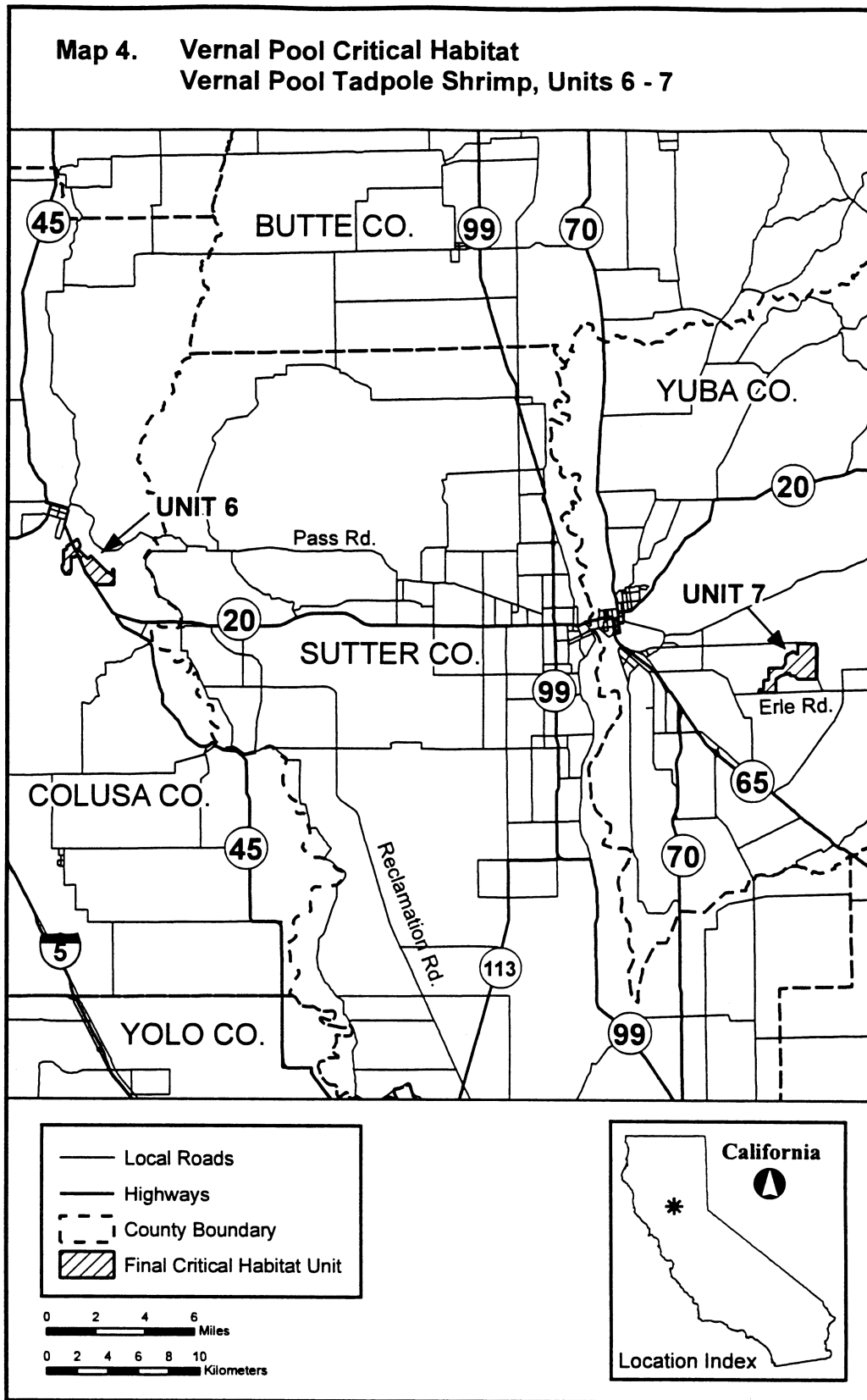
588800, 4336700; 588900, 4336700;
589100, 4336500; 589100, 4336900;
589200, 4336900; 589200, 4335900;
587900, 4335900; 587900, 4336000;
587400, 4336600; 587300, 4336800;
586900, 4337800; 586700, 4337800;
586700, 4337700; 586400, 4337700;
586400, 4336800; 586300, 4336600;
586000, 4336600; 585800, 4336900;
returning to 585800, 4337200;

(9) Unit 7: Yuba County, California.
From USGS 1:24,000 scale quadrangle
Browns Valley and Wheatland. Land
bounded by the following UTM Zone
10, NAD 83 coordinates (E,N): 635000,
4332200; 635000, 4329900; 634600,
4329900; 633800, 4329900; 633600,
4330100; 633500, 4330100; 633300,
4330100; 633300, 4330300; 632700,
4330100; 632400, 4329900; 632400,

4329000; 631300, 4329000; 631300,
4329200; 631600, 4329200; 631600,
4329800; 631900, 4329800; 631900,
4330600; 632800, 4330600; 633000,
4330900; 633000, 4331300; 633100,
4331500; 633500, 4331700; 633800,
4331500; 633800, 4332200; returning to
635000, 4332200;

(10) **Note:** Units 6 and 7 (Map 4) follow:

BILLING CODE 4310-55-P



BILLING CODE 4310-55-C

(11) Unit 8: Sacramento County, California. From USGS 1:24,000 scale quadrangle Carmichael. Land bounded

by the following UTM Zone 10, NAD 83 coordinates (E,N): 649800, 4269600; 649800, 4268700; 650400, 4268900; 650800, 4268800; 651000, 4268800;

651000, 4269400; 651800, 4269300; 651500, 4268800; 651600, 4267900; 651600, 4266500; 651500, 4266400; 651500, 4266300; 651100, 4266300;

651100, 4266000; 651570, 4265812;
 651589, 4265075; 651600, 4264400;
 651400, 4264400; 651400, 4264200;
 650500, 4264200; 650500, 4264300;
 650400, 4264300; 650400, 4264600;
 650000, 4264700; 649900, 4265100;
 649400, 4265100; 649100, 4265000;
 648900, 4265100; 648700, 4265100;
 648700, 4265300; 648700, 4265500;
 649900, 4265500; 649900, 4266000;
 648300, 4266000; 648300, 4266200;
 648500, 4266400; 648700, 4266200;
 649000, 4266200; 649300, 4266400;
 649400, 4266600; 649635, 4266678;
 649700, 4266700; 649794, 4266693;
 650200, 4267100; 650400, 4267000;
 650600, 4267000; 650800, 4267200;
 650900, 4267500; 650800, 4267900;
 650500, 4267800; 650300, 4268100;
 649900, 4268400; 649400, 4268100;
 649100, 4267800; 649100, 4267500;
 649400, 4267400; 649200, 4267100;
 648400, 4267100; 648300, 4267700;
 648000, 4268000; 648600, 4268500;
 649400, 4268900; 649400, 4269200;
 649600, 4269600; returning to 649800,
 4269600;

(12) Unit 9: Sacramento County, California.

(i) Unit 9A: Sacramento County, California. From USGS 1:24,000 scale quadrangle Sloughhouse. Land bounded by the following UTM Zone 10, NAD 83 coordinates (E,N): 660660, 4256508; 660681, 4256119; 660600, 4256200; 660300, 4256100; 660000, 4256200; 659800, 4256300; 659850, 4256450; 659900, 4256600; 660200, 4256500; 660300, 4256800; 660515, 4256728; 660633, 4256644; 660645, 4256626; returning to 660660, 4256508;

(ii) Unit 9B: Sacramento and Amador Counties, California. From USGS 1:24,000 scale quadrangle Carbondale, Sloughhouse, Goose Creek, and Clay. Land bounded by the following UTM Zone 10, NAD 83 coordinates (E,N): 673200, 4256400; 672800, 4255100; 672800, 4254800; 673100, 4254900; 673800, 4254900; 674000, 4254600; 674000, 4254400; 674500, 4254000; 674500, 4253700; 674100, 4253500; 674100, 4252900; 674300, 4252300; 674500, 4251900; 674500, 4251600; 673400, 4251500; 673300, 4251400; 673300, 4251200; 673900, 4251000; 674000, 4250500; 674300, 4250000; 674300, 4249800; 674200, 4249700; 673900, 4249700; 673600, 4249900; 672500, 4249900; 672315, 4249992; 671900, 4250200; 671300, 4250200; 671100, 4250500; 671000, 4250500; 671000, 4249800; 670700, 4249800; 670700, 4249500; 670800, 4249300; 670800, 4249000; 670900, 4248900; 670900, 4248500; 670500, 4248300; 670500, 4248125; 670400, 4248100; 670400, 4248000; 670100, 4248000; 670100, 4247800; 670500, 4247500;

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 671900, 4247100; 671500, 4246800;
 671600, 4246600; 671800, 4246000;
 671800, 4246000; 671255, 4245364;
 670800, 4245000; 670000, 4244200;
 670000, 4244100; 670500, 4243800;
 670200, 4243400; 670200, 4243300;
 670300, 4243200; 670400, 4243100;
 670600, 4242600; 671200, 4242900;
 671600, 4243000; 671600, 4242700;
 670700, 4242100; 669800, 4242100;
 669300, 4241900; 668900, 4241900;
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 664500, 4241300; 664000, 4241300;
 664000, 4241000; 663500, 4241000;
 663500, 4240900; 663400, 4240800;
 663300, 4240800; 663300, 4240600;
 663100, 4240600; 663100, 4240900;
 662800, 4240900; 662800, 4240500;
 662700, 4240400; 662700, 4240000;
 662500, 4240000; 662500, 4239600;
 662100, 4239600; 662100, 4239400;
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 661500, 4241600; 661500, 4241900;
 661700, 4242000; 662200, 4242000;
 662200, 4241600; 662900, 4241600;
 662800, 4242300; 662500, 4242300;
 662600, 4243000; 662900, 4243100;
 663400, 4243100; 663400, 4243800;
 663050, 4243800; 663029, 4243841;
 663000, 4243900; 662500, 4243900;
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 663000, 4244900; 663100, 4245300;
 663800, 4245300; 663900, 4245500;
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 664600, 4245200; 664750, 4245238;
 664900, 4245275; 665000, 4245300;
 664900, 4245700; 664900, 4246500;
 664400, 4246500; 663900, 4246700;
 662500, 4246300; 662233, 4246300;
 662100, 4246400; 661700, 4246400;
 661900, 4247000; 662000, 4247300;
 661800, 4247500; 660900, 4247500;
 660900, 4247140; 660850, 4247100;
 659700, 4247100; 659500, 4247300;
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 659900, 4249600; 660000, 4249900;
 659900, 4250200; 659400, 4249700;
 659400, 4249500; 659300, 4249200;
 659100, 4249000; 659100, 4248900;
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658100, 4247900; 658000, 4248500;
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 656100, 4248000; 656000, 4247800;
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 657800, 4254300; 657800, 4254200;
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 660700, 4255400; 660800, 4256000;
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 664248, 4253699; 664313, 4253672;
 664369, 4253606; 664471, 4253613;
 664566, 4253675; 664591, 4253700;
 664647, 4253753; 664752, 4253850;
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 665118, 4254420; 665174, 4254468;
 665227, 4254492; 665313, 4254463;
 665390, 4254424; 665514, 4254389;
 665619, 4254438; 665656, 4254494;
 665723, 4254546; 665757, 4254558;
 665800, 4254553; 665853, 4254513;
 665880, 4254493; 665956, 4254434;
 665960, 4254402; 666029, 4254364;
 666067, 4254367; 666114, 4254379;
 666168, 4254392; 666236, 4254440;
 666273, 4254448; 666310, 4254440;
 666339, 4254435; 666417, 4254404;
 666451, 4254362; 666491, 4254319;
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 666652, 4254306; 666705, 4254261;
 666722, 4254230; 666740, 4254164;
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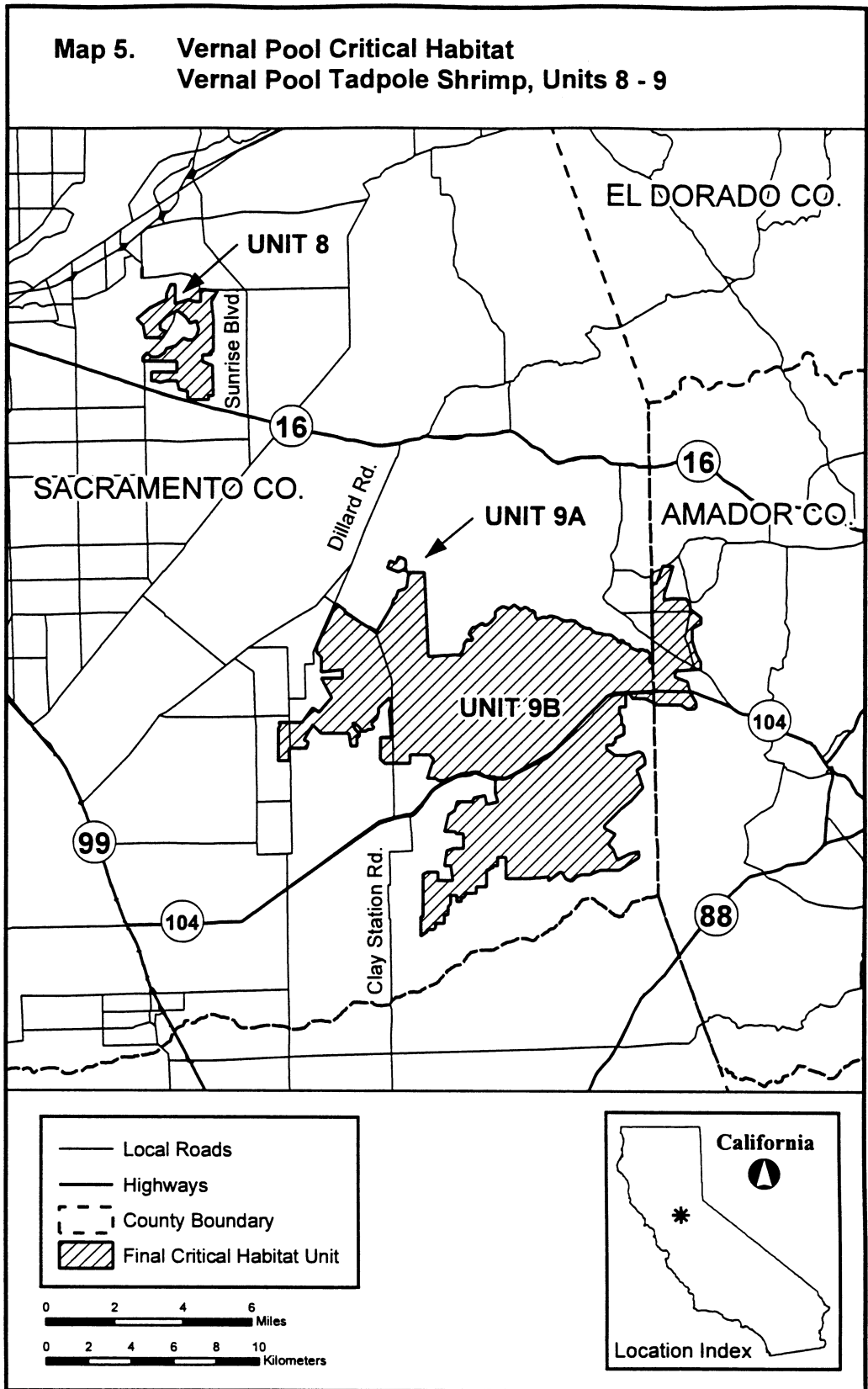
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667959, 4253881; 668167, 4253821;
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669665, 4253257; 669859, 4253247;
670012, 4253179; 670143, 4253173;
670241, 4253188; 670278, 4253185;
670320, 4253159; 670371, 4253105;
670419, 4253074; 670499, 4253007;
670537, 4252992; 670594, 4252927;

670626, 4252873; 670642, 4252848;
670663, 4252843; 670712, 4252851;
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670807, 4252923; 670850, 4252924;
670883, 4252896; 670912, 4252829;
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671041, 4252762; 671109, 4252759;
671191, 4252663; 671270, 4252568;
671315, 4252537; 671376, 4252519;
671438, 4252504; 671509, 4252465;
671531, 4252448; 671559, 4252450;
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671773, 4252503; 671827, 4252497;
671848, 4252476; 671934, 4252419;
671943, 4252426; 671963, 4252453;
671990, 4252458; 672004, 4252435;
672042, 4252400; 672107, 4252306;
672117, 4252284; 672129, 4252256;
672134, 4252244; 672152, 4252230;

672159, 4252200; 672153, 4252190;
672148, 4252180; 672110, 4252165;
672104, 4252149; 672109, 4252101;
672114, 4252080; 672113, 4252055;
672107, 4251980; 672120, 4251908;
672151, 4251893; 672177, 4251906;
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672217, 4254287; 672192, 4255610;
672200, 4255600; 672400, 4255600;
672700, 4256400; returning to 673200,
4256400;

(iii) **Note:** Units 8 and 9 (Map 5) follow:

BILLING CODE 4310-55-P



BILLING CODE 4310-55-C

(13) Unit 10: Yolo County, California. From USGS 1:24,000 scale quadrangle Davis. Land bounded by the following

UTM Zone 10, NAD 83 coordinates (E,N): 615400, 4262300; 615400, 4260700; 614500, 4260700; 614500, 4261500; 614200, 4261500; 614200,

4261800; 614000, 4261800; 614000, 4262300; returning to 615400, 4262300;

(14) Unit 11: Solano County, California