

4264100; 648600, 4264400; 647400,  
 4265200; 647200, 4265200; 647000,  
 4264500; 645900, 4264600; 645300,  
 4265100; 645600, 4265500; 645800,  
 4265600; 646000, 4266200; 646300,  
 4266600; 646300, 4268100; 646600,  
 4268400; 646600, 4268700; 646700,  
 4268800; 646800, 4268800; 647100,  
 4268400; 647100, 4268200; 646900,  
 4268000; 646900, 4267500; 649100,  
 4268900; 649300, 4269000; 649600,  
 4269600; 649800, 4269600; 649800,  
 4268700; 650400, 4269000; 650800,  
 4268800; 650900, 4268900; 650800,  
 4269200; 650300, 4269700; 650100,  
 4269700; 650000, 4270100; 650300,  
 4270200; 650600, 4270000; 650700,  
 4270100; 650700, 4270300; 650900,  
 4270400; 651200, 4270800; 652200,  
 4269200; 652300, 4269400; 652500,  
 4269700; 652400, 4270100; 652200,  
 4271000; 652700, 4271000; 652700,  
 4270500; 653100, 4270500; 653400,  
 4270800; 653600, 4270800; 653800,  
 4270400; 654400, 4270800; 654800,  
 4270900; 655200, 4271100; 655500,  
 4271100; 655800, 4270900; 656000,  
 4270900; 657000, 4272200; 657400,  
 4272200; 657700, 4272500; 658200,  
 4273800; 658900, 4274000; 659200,  
 4273700; 659400, 4273400; 659400,  
 4273100; 659100, 4272900; 658700,  
 4272900; 658500, 4272500; 658800,  
 4272400; 659500, 4272400; 659500,  
 4271500; 660300, 4271500; 661100,  
 4271300; 661100, 4271800; 661500,  
 4272400; 661700, 4272400; 661900,  
 4272300; 661900, 4271700; 662200,  
 4272200; 662200, 4272600; 662400,  
 4272700; 662600, 4272700; 662900,  
 4272400; 663300, 4272400; 663400,  
 4272200; 663400, 4271900; 663100,  
 4271700; 662600, 4271200; 662300,  
 4270600; 661900, 4270700; 661900,  
 4271000; 661600, 4271000; 661400,  
 4270800; 661000, 4270800; 660700,  
 4270300; 660600, 4270000; 660100,  
 4269800; 660400, 4268700; 660800,  
 4267700; 661200, 4268100; 661400,  
 4268100; 661400, 4267400; 661800,  
 4267400; 662100, 4266900; 662000,  
 4266300; 661600, 4266400; 661200,  
 4267200; 660900, 4267200; 660800,  
 4266500; 660100, 4266000; 660600,  
 4265800; 660900, 4266100; 661200,  
 4265900; 661300, 4265500; 661300,  
 4264900; 661700, 4264800; 661700,  
 4264400; 661400, 4264100; 660600,  
 4264400; 660600, 4264700; 660800,  
 4264900; 660500, 4265300; 660100,  
 4265200; 660300, 4264600; 659800,  
 4264500; 659700, 4264000; 659300,  
 4263900; 659100, 4263700; 658800,  
 4263700; 658500, 4264200; 658500,  
 4264400; 658000, 4265500; 657600,  
 4265000; 657500, 4264300; 657900,  
 4263900; 657700, 4263600; 657200,  
 4263600; 657200, 4263100; 657600,  
 4263000; 657700, 4262900; 657700,  
 4262800; 657400, 4262700; 656700,  
 4262700; 656500, 4262500; 656300,  
 4262500; 656300, 4262000; 655900,  
 4261800; 655800, 4261200; 656100,  
 4260700; 655900, 4260300; 655200,  
 4260700; 654900, 4260400; 653500,  
 4261300; 653200, 4261000; 653100,  
 4262300; 652800, 4262300; 652800,  
 4261400; 652600, 4261300; 652300,  
 4261400; 651700, 4261800; 651600,  
 4262100; 650700, 4262100; 650700,  
 4261800; 651100, 4261700; 651200,  
 4261400; 651200, 4260600; 651000,  
 4260400; 650400, 4260400; 650400,  
 4259300; 651600, 4259300; 651500,  
 4260900; 652000, 4260900; 652100,  
 4260300; 653000, 4260400; 653200,  
 4260300; 653900, 4260400; 654700,  
 4259900; 654000, 4258600; 653700,  
 4258600; 653000, 4259300; 652200,  
 4259800; 652100, 4259600; 652800,  
 4259100; 652800, 4258600; 652400,  
 4258200; 652300, 4258100; 652000,  
 4258100; 651400, 4258400; 650700,  
 4257600; returning to 650400, 4257200.

(30) *Unit 14: Amador, Sacramento, and San Joaquin counties, California.*  
 (i) From USGS 1:24,000 quadrangle maps Carbondale, Clay, Galt, Goose Creek, Irish Hill, and Sloughhouse, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 660400, 4236800; 660300, 4236800; 660100, 4237500; 659700, 4237700; 659700, 4238100; 660200, 4238400; 659700, 4238900; 659500, 4238900; 659300, 4238100; 659000, 4238300; 658800, 4238400; 658300, 4238400; 658200, 4238300; 657800, 4238300; 657100, 4239000; 657200, 4239400; 657400, 4239700; 658000, 4239900; 661500, 4239900; 661500, 4241900; 661900, 4242100; 661600, 4242400; 661000, 4242500; 660700, 4241900; 660400, 4241500; 659400, 4241500; 659400, 4241800; 659200, 4241800; 659200, 4241700; 659000, 4241600; 658700, 4241700; 658500, 4241700; 658500, 4240500; 657800, 4240400; 657000, 4240400; 657000, 4241300; 656500, 4241300; 655900, 4241600; 655100, 4241200; 654900, 4241900; 655800, 4242400; 655800, 4243100; 656200, 4243100; 656600, 4242600; 657100, 4242700; 658600, 4244000; 658600, 4244700; 659100, 4244800; 659100, 4245600; 659700, 4245600; 659800, 4245100; 659400, 4244900; 659700, 4244500; 660000, 4244500; 660100, 4243100; 661700, 4243100; 662600, 4243000; 663300, 4243300; 663000, 4243900; 662500, 4243900; 662700, 4244700; 663000, 4244900; 663100, 4245400; 664200, 4245600; 664500, 4245600; 664600, 4245200; 665000, 4245300; 664800, 4246100; 664600, 4246300; 663700, 4246500; 662500, 4246100; 662100,

4246400; 661700, 4246400; 661700,  
 4246800; 661900, 4247000; 661600,  
 4247300; 661100, 4247300; 660600,  
 4246900; 659900, 4246900; 659500,  
 4247300; 659500, 4248400; 658600,  
 4248400; 658600, 4246800; 658400,  
 4246600; 658400, 4246100; 658100,  
 4246000; 657400, 4246000; 657400,  
 4245000; 657000, 4244900; 656700,  
 4244800; 656400, 4245100; 656100,  
 4245200; 656100, 4246100; 654900,  
 4246600; 654900, 4245800; 655100,  
 4245200; 655100, 4244900; 654600,  
 4244900; 654600, 4244100; 654600,  
 4243400; 653900, 4243300; 653300,  
 4243500; 653400, 4244300; 652200,  
 4244500; 652000, 4244800; 652300,  
 4245200; 652800, 4245200; 653500,  
 4245300; 653600, 4245800; 653300,  
 4246000; 653300, 4247300; 653600,  
 4247300; 653700, 4247100; 654200,  
 4247100; 654600, 4247500; 654600,  
 4248600; 654800, 4248900; 654600,  
 4249100; 654500, 4249400; 655000,  
 4249400; 655100, 4249000; 655800,  
 4249000; 656300, 4249700; 656600,  
 4249500; 657200, 4250200; 656700,  
 4251100; 656500, 4251400; 656500,  
 4252600; 657000, 4253700; 657300,  
 4254500; 657200, 4254900; 656700,  
 4255100; 656800, 4255400; 657000,  
 4255500; 657200, 4255500; 657400,  
 4255300; 657400, 4255100; 657800,  
 4255100; 657900, 4255800; 658100,  
 4255900; 658300, 4255800; 658400,  
 4255600; 658200, 4255300; 658200,  
 4255000; 658300, 4254700; 658200,  
 4254500; 657800, 4254500; 657800,  
 4254200; 658100, 4254000; 658900,  
 4253500; 659200, 4253600; 659900,  
 4254700; 660000, 4255100; 660200,  
 4255400; 660700, 4255400; 660800,  
 4256000; 660600, 4256200; 660300,  
 4256100; 660100, 4256000; 659500,  
 4256200; 659800, 4256900; 660400,  
 4256800; 660600, 4256700; 660700,  
 4256800; 660500, 4257100; 660700,  
 4257500; 660100, 4257800; 659600,  
 4257800; 659300, 4258100; 659500,  
 4258400; 659700, 4258500; 659500,  
 4258800; 659600, 4259100; 659500,  
 4259300; 659900, 4259900; 660100,  
 4260000; 660300, 4259900; 660500,  
 4259600; 660700, 4259500; 661200,  
 4259900; 661500, 4259900; 661600,  
 4259800; 661600, 4259300; 661900,  
 4259300; 662100, 4259600; 662400,  
 4259600; 662700, 4259100; 662900,  
 4258900; 662800, 4258700; 662700,  
 4258500; 662000, 4258100; 661500,  
 4257700; 661200, 4257100; 661600,  
 4256700; 662000, 4256700; 661900,  
 4256400; 661900, 4256100; 662000,  
 4255800; 662600, 4256000; 662800,  
 4256200; 663300, 4256400; 663900,  
 4256700; 664200, 4257300; 664300,  
 4257600; 664600, 4257800; 664900,  
 4258000; 665000, 4258500; 665400,

4258700; 665900, 4258800; 666500, 4258800; 666700, 4258600; 666600, 4258200; 666300, 4258000; 666100, 4257400; 666000, 4257300; 666000, 4257000; 666400, 4257000; 666500, 4257600; 666800, 4257600; 666900, 4257400; 666900, 4257100; 666700, 4256900; 666800, 4256700; 666700, 4256300; 666600, 4256100; 667200, 4256100; 667400, 4256300; 667600, 4256300; 667800, 4256100; 667900, 4256300; 668100, 4256300; 668400, 4255900; 668600, 4255900; 668800, 4256200; 669100, 4256400; 669400, 4256600; 669500, 4256800; 669200, 4257300; 669200, 4257900; 668800, 4258100; 668700, 4258600; 668500, 4258600; 668000, 4258700; 667900, 4258900; 668100, 4259200; 668500, 4259200; 668800, 4258900; 669700, 4259700; 670000, 4259800; 669700, 4260200; 669800, 4260400; 670000, 4260500; 670200, 4260400; 670700, 4260600; 671200, 4260500; 671500, 4260700; 671700, 4260700; 671800, 4260200; 671700, 4259800; 671400, 4259800; 671200, 4260200; 670900, 4259900; 671000, 4259600; 671000, 4259200; 670700, 4259000; 670700, 4258800; 670800, 4258600; 670600, 4258300; 669500, 4258000; 669700, 4257800; 670000, 4257400; 670100, 4257200; 670300, 4257200; 670400, 4257000; 670300, 4256600; 670400, 4256500; 671000, 4256800; 671500, 4256800; 671700, 4256900; 672000, 4256900; 672200, 4256600; 672200, 4256400; 673000, 4256700; 673400, 4256600; 673600, 4256500; 673700, 4256200; 673600, 4255800; 673400, 4255400; 673300, 4255100; 673800, 4255100; 674000, 4255000; 674200, 4254700; 674300, 4254400; 674700, 4254100; 674800, 4253800; 674700, 4253600; 674300, 4253300; 674600, 4252200; 674700, 4251800; 674600, 4251500; 674100, 4251300; 673700, 4251300; 674100, 4251000; 674200, 4250400; 674500, 4250000; 674400, 4249600; 674100, 4249500; 673700, 4249600; 673400, 4249700; 673100, 4249600; 672300, 4249800; 672000, 4250000; 671500, 4249700; 671200, 4249700; 670800, 4249300; 670800, 4249000; 671100, 4248800; 671100, 4248500; 670800, 4248200; 670400, 4248100; 670400, 4247700; 671200, 4247700; 671600, 4247900; 671900, 4247800; 672000, 4247600; 672500, 4247600; 672500, 4247200; 672000, 4246600; 671600, 4246600; 671800, 4246000; 671200, 4245300; 672200, 4245100; 672400, 4244600; 672600, 4244300; 672600, 4244100; 672000, 4243900; 671600, 4243700; 670900, 4243600; 671100, 4243200; 671700, 4243100; 671700, 4242700; 670700, 4242100; 669800, 4242100; 669300,

4241800; 668800, 4241800; 668600, 4241500; 668200, 4241700; 668000, 4242000; 667000, 4241300; 666800, 4240700; 666500, 4240100; 666200, 4239900; 664700, 4239800; 664600, 4239600; 664600, 4238900; 663900, 4238500; 663800, 4238500; 662800, 4237400; 662400, 4237500; 662000, 4237900; 661900, 4237900; 661800, 4237400; 661500, 4237200; 660900, 4237200; returning to 660400, 4236800.

(31) *Unit 15: Solano County, California.*

(i) From USGS 1:24,000 quadrangle maps Allendale and Elmira, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 589700, 4246500; 589500, 4246500; 589500, 4247000; 589300, 4247200; 589400, 4247700; 589600, 4248200; 589800, 4248900; 590100, 4249700; 590500, 4249900; 590800, 4250200; 591300, 4250100; 591500, 4250300; 591500, 4250800; 591900, 4250800; 592100, 4252300; 591600, 4252300; 591300, 4251400; 590500, 4251400; 590600, 4251700; 590900, 4252600; 592900, 4252600; 593900, 4252600; 593900, 4252300; 594700, 4252300; 594700, 4252600; 595500, 4252600; 595900, 4252300; 593500, 4249900; 592300, 4248700; 590500, 4246800; 590200, 4247100; returning to 589700, 4246500.

(32) *Unit 16: Solano County, California.*

(i) From USGS 1:24,000 quadrangle maps Birds Landing, Denverton, Dozier, Elmira, Fairfield North, Fairfield South, Liberty Island, and Rio Vista, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 596500, 4224300; 596200, 4224400; 595700, 4224600; 595700, 4224800; 596000, 4225800; 596300, 4226800; 596200, 4227000; 596100, 4227600; 595800, 4227700; 595600, 4228300; 595400, 4228700; 595500, 4229200; 595500, 4229600; 595700, 4229900; 595700, 4230600; 594500, 4231200; 593800, 4231200; 593600, 4230500; 594200, 4230100; 594400, 4228900; 594400, 4228400; 594000, 4228200; 593400, 4227700; 592600, 4227700; 591400, 4226900; 590900, 4226800; 590300, 4227100; 589500, 4227200; 589000, 4227100; 587500, 4227700; 586800, 4228000; 586400, 4228800; 586000, 4229000; 585700, 4229300; 584900, 4229300; 584700, 4229500; 584600, 4230300; 584800, 4230700; 585200, 4230800; 585600, 4231400; 587400, 4231300; 587600, 4231500; 587800, 4231500; 589000, 4231200; 589100, 4231300; 589100, 4231700; 588600, 4231600; 588200, 4231800; 587800, 4231700; 587100, 4231900; 586600, 4232600; 586300, 4232600; 586000, 4232200; 585600, 4232200; 585000, 4232500; 584900, 4233000; 584500,

4233000; 584500, 4233400; 584000, 4233300; 584200, 4233700; 584500, 4233900; 584500, 4233800; 584600, 4233800; 584700, 4233700; 584700, 4233600; 584900, 4233600; 584900, 4233400; 585700, 4233300; 585700, 4233000; 586100, 4233000; 586200, 4233100; 586400, 4233100; 586500, 4233000; 586800, 4233000; 586900, 4233000; 587100, 4232900; 587100, 4232800; 587300, 4232700; 587600, 4232500; 588600, 4232500; 588600, 4232800; 588400, 4233000; 588600, 4233300; 588700, 4233500; 589300, 4233500; 591000, 4233500; 591100, 4233400; 591000, 4233200; 591100, 4233000; 593900, 4235300; 594000, 4235000; 594300, 4235000; 594800, 4235400; 594000, 4236200; 594500, 4236700; 594000, 4237400; 593500, 4237400; 593500, 4238200; 592500, 4238200; 592500, 4237600; 590400, 4237600; 590200, 4237300; 590200, 4236900; 590400, 4236900; 590400, 4235900; 590900, 4235900; 591700, 4235100; 591000, 4234200; 591000, 4234000; 589400, 4234000; 589000, 4234400; 588500, 4234400, 4236400; 588400, 4236400; 588400, 4236300; 588200, 4236200; 588000, 4236400; 587700, 4236500; 586900, 4236500; 586900, 4237200; 587000, 4237300; 586800, 4237300; 586800, 4238100; 586100, 4238700; 585600, 4238700; 586100, 4239100; 586100, 4239200; 587800, 4239200; 588100, 4239600; 588300, 4239600; 588700, 4239800; 589200, 4240000; 589500, 4240600; 589500, 4240900; 589100, 4241400; 590100, 4241400; 590600, 4241400; 590800, 4241600; 591100, 4241600; 591100, 4241300; 591600, 4241300; 591600, 4242600; 591700, 4242900; 592200, 4242900; 592200, 4243100; 592400, 4243200; 592700, 4243200; 592700, 4243600; 592900, 4243600; 593300, 4243800; 593700, 4243000; 595000, 4243000; 595400, 4242100; 595400, 4241600; 598600, 4241600; 598600, 4242500; 599400, 4242500; 599200, 4244200; 599500, 4244500; 600400, 4244500; 600700, 4244300; 600700, 4244000; 603400, 4244000; 603500, 4244000; 603900, 4243300; 604000, 4243200; 604000, 4242600; 604700, 4241400; 605600, 4240800; 606200, 4240800; 606300, 4240600; 606300, 4239700; 606500, 4239600; 607100, 4239000; 607700, 4239000; 609300, 4239700; 609500, 4239700; 610300, 4239200; 610700, 4238900; 610700, 4236200; 610800, 4232600; 610900, 4232500; 610900, 4229500; 610500, 4228200; 611000, 4228000; 611900, 4228000; 612400, 4228400; 612800, 4228600; 613100, 4228600; 613400, 4228200; 612900,

4227800; 612500, 4227300; 611900, 4227100; 611000, 4227100; 610700, 4227400; 610100, 4227200; 609800, 4226500; 608100, 4226000; 602900, 4225600; 600600, 4225400; 599000, 4225300; 597600, 4226000; 597500, 4225900; 597500, 4225100; 597100, 4224900; 596700, 4224900; 596700, 4224400; returning to 596500, 4224300.

(33) *Unit 17*: Napa County, California.

(i) From USGS 1:24,000 quadrangle map Cuttings Wharf, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 562800, 4228500; 562500, 4228500; 561500, 4228900; 561300, 4229000; 560800, 4229200; 560600, 4229600; 560400, 4230200; 560500, 4230600; 560500, 4230900; 560800, 4231200; 561400, 4231200; 561400, 4230600; 561900, 4230600; 562100, 4230800; 562500, 4230800; 563500, 4231000; 563500, 4230600; 563600, 4230100; 563800, 4229500; 564100, 4229600; 564300, 4229200; 563200, 4228900; 563000, 4228900; returning to 562800, 4228500.

(34) *Unit 18*: San Joaquin and Stanislaus counties, California.

(i) From USGS 1:24,000 quadrangle maps Farmington, Linden, Peters, and Valley Springs SW, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 676400, 4201300; 675700, 4201400; 674500, 4201400; 673200, 4203100; 672200, 4204600; 672100, 4206300; 672100, 4206500; 671700, 4206500; 671600, 4206700; 671600, 4207100; 673200, 4207100; 673200, 4207400; 674000, 4207400; 673900, 4208800; 673100, 4209500; 673100, 4211900; 673500, 4211900; 673900, 4211700; 673900, 4211900; 674300, 4211900; 674300, 4211600; 674900, 4211400; 675200, 4211500; 675200, 4211800; 675500, 4212000; 675500, 4212500; 676000, 4212500; 676800, 4210900; 677200, 4211300; 678700, 4211300; 678800, 4210500; 680200, 4210400; 680200, 4209700; 681100, 4209700; 681800, 4210300; 682900, 4210100; 682900, 4209600; 681500, 4209100; 681300, 4208500; 680800, 4208400; 680800, 4206100; 680500, 4205700; 680400, 4205100; 679700, 4204600; 679700, 4203300; 678500, 4203300; 678400, 4202700; 677700, 4202200; 677600, 4201700; 676900, 4201400; returning to 676400, 4201300.

(35) *Subunit 19A*: Contra Costa County, California.

(i) From USGS 1:24,000 quadrangle maps Antioch South and Brentwood, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 611400, 4193400; 610900, 4193500; 610200, 4193700; 609900, 4193900; 609700, 4194000; 609100,

4194000; 608100, 4194300; 608500, 4194900; 608400, 4195100; 608600, 4195300; 608600, 4195900; 609600, 4195900; 609500, 4195600; 609200, 4195100; 609200, 4195000; 609300, 4194900; 609900, 4194800; 610200, 4194800; 610500, 4195100; 611200, 4195900; 612100, 4196300; 612500, 4195900; 611700, 4194500; 611700, 4194300; returning to 611400, 4193400.

(36) *Subunit 19B*: Contra Costa County, California.

(i) From USGS 1:24,000 quadrangle maps Byron Hot Springs and Clifton Court Forebay, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 620500, 4185200; 620200, 4185300; 619900, 4185600; 619600, 4185500; 618200, 4186600; 618100, 4187100; 617700, 4187400; 617800, 4187900; 618200, 4188100; 618500, 4188300; 618400, 4188600; 617700, 4188800; 617400, 4189000; 617400, 4189200; 618200, 4189500; 618100, 4189800; 618200, 4190100; 618700, 4190300; 618700, 4190700; 619000, 4191000; 619300, 4191100; 619600, 4191100; 619800, 4190700; 619900, 4190700; 620100, 4190900; 620400, 4190900; 620500, 4191300; 621800, 4191300; 622200, 4190700; 622400, 4189900; 623000, 4189300; 622900, 4188700; 621200, 4188700; 620900, 4188700; 620600, 4188400; 620400, 4188600; 620400, 4188100; 620500, 4187900; 620600, 4187800; 620700, 4187700; 620900, 4187700; 621100, 4187500; 620500, 4187100; 620500, 4186900; 621600, 4187400; 622000, 4187000; 622400, 4186400; 622700, 4186000; 622700, 4185700; 622300, 4185300; 621200, 4185300; 621000, 4185500; 620800, 4185500; returning to 620500, 4185200.

(37) *Subunit 19C*: Alameda County, California.

(i) From USGS 1:24,000 quadrangle maps Altamont and Livermore, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 610000, 4174800; 609100, 4175400; 608600, 4175600; 608400, 4175900; 610000, 4175900; 610000, 4176500; 610400, 4176500; 610400, 4178500; 610800, 4178300; 610800, 4177500; 610800, 4177200; 611200, 4177200; 611900, 4176700; 612300, 4176700; 612300, 4177200; 613300, 4177200; 613600, 4176800; 614400, 4175500; 614300, 4175300; 613700, 4175000; 613600, 4175200; 613600, 4176100; 613300, 4176100; 613200, 4175900; 613100, 4175900; 612800, 4176100; 612700, 4176100; 612500, 4175900; 612400, 4175900; 612400, 4176300; 612000, 4176300; 611800, 4176500; 611600, 4176500; 611600, 4175300; 611400, 4175300; 611200, 4175400; 610900, 4175400; 610800,

4175900; 610400, 4175900; 610300, 4175200; 610200, 4175100; 610000, 4175000; returning to 610000, 4174800.

(38) *Unit 20*: Stanislaus County, California.

(i) From USGS 1:24,000 quadrangle map Ripon, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 660800, 4167200; 660000, 4167200; 659500, 4168800; 661600, 4168800; 661600, 4169400; 662400, 4169400; 662400, 4168300; 661600, 4168000; 661600, 4168300; 660300, 4167800; 660600, 4167500; returning to 660800, 4167200.

(39) *Unit 21*: Mariposa, Merced, and Stanislaus counties, California.

(i) 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): 715900, 4154900; 715400, 4155600; 715300, 4156600; 715100, 4156600; 715000, 4156200; 714800, 4156100; 714800, 4155800; 714700, 4155600; 714200, 4155600; 714000, 4155400; 713800, 4155400; 712600, 4155200; 712600, 4157100; 711200, 4157100; 711100, 4161900; 706300, 4161800; 706100, 4165000; 703000, 4165100; 702500, 4165200; 702500, 4165900; 702600, 4166600; 703700, 4167200; 704600, 4168200; 704900, 4168200; 705300, 4167800; 705900, 4167800; 707000, 4167500; 707700, 4167600; 708100, 4167300; 709400, 4167300; 709600, 4167300; 710200, 4166800; 711000, 4167600; 711600, 4167800; 712600, 4167800; 713200, 4167600; 713200, 4167200; 712900, 4167200; 712600, 4166900; 711800, 4167000; 711600, 4166800; 711600, 4166600; 711800, 4166500; 711800, 4166600; 711900, 4166600; 712000, 4166300; 712100, 4166500; 712200, 4166500; 712300, 4166400; 712500, 4166400; 712500, 4166200; 712700, 4166200; 712700, 4166300; 712800, 4166300; 713000, 4166100; 712800, 4166000; 712700, 4165800; 712500, 4165800; 712500, 4165600; 712700, 4165600; 712600, 4165400; 712400, 4165500; 712300, 4165400; 712500, 4165300; 712500, 4165200; 712400, 4165100; 712600, 4165100; 712600, 4165000; 712600, 4164900; 712700, 4164800; 712600, 4164700; 712500, 4164800; 712400, 4164800; 712400, 4164500; 712800, 4164500; 713100, 4164300; 713200, 4164100; 712900, 4163800; 712900, 4163700; 713100, 4163800; 713500, 4164000; 713600, 4164000; 713600, 4164100; 713700, 4164300; 714200, 4164300; 714400, 4164500; 714500, 4164800; 714600, 4164800; 714800, 4164700; 714800, 4164200; 714400, 4164000; 714400, 4163600; 714500, 4163500;

715200, 4164000; 715300, 4164200;  
 715400, 4164200; 715300, 4163900;  
 715100, 4163700; 715000, 4163500;  
 714800, 4163300; 714900, 4163200;  
 715000, 4163200; 715700, 4163200;  
 715900, 4163100; 716000, 4162900;  
 716100, 4162800; 716200, 4162800;  
 716300, 4162900; 716400, 4163000;  
 716500, 4163100; 716600, 4163200;  
 716600, 4163500; 716500, 4163600;  
 716500, 4163800; 716600, 4164100;  
 716800, 4164500; 716700, 4164900;  
 716800, 4165300; 717200, 4165800;  
 717200, 4166100; 717000, 4166400;  
 716600, 4166400; 716400, 4166300;  
 716400, 4167000; 716600, 4167200;  
 716600, 4167300; 717000, 4167400;  
 717500, 4167400; 718100, 4167300;  
 718500, 4167100; 718600, 4166600;  
 718700, 4166400; 719100, 4166700;  
 719300, 4166800; 719800, 4166800;  
 719500, 4167400; 719500, 4167600;  
 719700, 4167800; 720500, 4167800;  
 720700, 4167700; 720900, 4167500;  
 721100, 4167400; 721300, 4167700;  
 721700, 4167700; 722000, 4167600;  
 722500, 4167600; 722900, 4167500;  
 723300, 4167400; 723000, 4168400;  
 723000, 4169200; 723300, 4169700;  
 723800, 4169800; 724100, 4169800;  
 724600, 4169200; 724700, 4168300;  
 725100, 4167900; 725300, 4167200;  
 726200, 4167100; 726500, 4166800;  
 726500, 4166600; 727300, 4166000;  
 727700, 4165800; 729000, 4165800;  
 730100, 4165400; 730400, 4165100;  
 730500, 4164900; 730700, 4164100;  
 731300, 4164100; 731700, 4163800;  
 731800, 4163400; 732200, 4162800;  
 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;  
 727100, 4156700; 726900, 4156400;  
 725900, 4156400; 723900, 4155300;  
 723300, 4155400; 722500, 4155000;  
 722300, 4155000; 722300, 4157400;  
 723800, 4157500; 723700, 4159000;  
 722500, 4159000; 722200, 4159300;  
 720900, 4159300; 720900, 4158500;  
 719700, 4158500; 719700, 4158100;  
 719100, 4158000; 718700, 4157600;  
 718000, 4157700; 717800, 4157400;  
 717900, 4157200; 718000, 4157000;  
 718400, 4157300; 718700, 4156700;  
 718700, 4156300; 717400, 4156300;  
 717000, 4155800; 716600, 4155800;

716300, 4155700; 716200, 4155000;  
 returning to 715900, 4154900.

(40) *Unit 22*: Mariposa and Merced counties, California.

(i) 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): 734700, 4133300; 734700, 4133700; 734100, 4133900; 733100, 4133900; 733100, 4134600; 732700, 4134600; 732600, 4135000; 732300, 4135500; 730300, 4135400; 729900, 4135700; 729900, 4136500; 726500, 4136500; 726400, 4136100; 725900, 4136100; 725900, 4135300; 725600, 4135100; 725500, 4135100; 725300, 4135500; 725100, 4135400; 725000, 4135400; 725000, 4135600; 724800, 4135700; 724600, 4135700; 724600, 4134700; 724200, 4134700; 724200, 4135500; 723400, 4135500; 723400, 4135600; 722800, 4135600; 722800, 4135000; 722600, 4135000; 722600, 4134700; 722500, 4134700; 722200, 4137900; 722800, 4137900; 722800, 4139300; 721900, 4139300; 721900, 4140200; 721000, 4140200; 721000, 4140900; 717800, 4140900; 717700, 4142400; 714500, 4142400; 714500, 4144900; 715500, 4144900; 715500, 4145700; 717000, 4145800; 718000, 4145400; 718200, 4145900; 718200, 4147600; 719700, 4148400; 720600, 4148600; 720600, 4149200; 719600, 4149200; 719600, 4149800; 720300, 4149800; 721300, 4150700; 721700, 4150700; 724400, 4153300; 725000, 4153500; 725500, 4154200; 725800, 4154800; 727200, 4155900; 727800, 4155900; 728500, 4155600; 730200, 4155600; 731600, 4155500; 732400, 4155400; 732600, 4155200; 733200, 4154700; 734100, 4154900; 734600, 4154800; 735600, 4156000; 735900, 4156000; 737100, 4155400; 737800, 4155000; 738200, 4154200; 738300, 4153300; 739000, 4152800; 739100, 4152200; 740200, 4151800; 740800, 4151500; 740800, 4150300; 741100, 4149900; 741700, 4149400; 742100, 4148500; 742100, 4147100; 743400, 4146100; 744000, 4145600; 744400, 4144600; 744300, 4143900; 743900, 4142700; 744000, 4142000; 744200, 4141700; 745500, 4140300; 745500, 4139500; 745400, 4139400; thence southwest to y-coordinate 4139300 on Bear Creek; thence southwest along Bear Creek to y-coordinate 4133300; thence west to the point of beginning at 734700, 4133300.

(41) *Unit 23*: Merced County, California.

(i) From USGS 1:24,000 quadrangle maps Arena, Atwater, El Nido, Gustine, Ingomar, Los Banos, Plainsburg, San

Luis Ranch, Sandy Mush, Stevinson, and Turner Ranch, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 697300, 4104500; 696100, 4104500; 695700, 4105000; 695700, 4106600; 694700, 4107900; 693500, 4107900; 693700, 4109100; 692900, 4109100; 692900, 4109800; 693100, 4110200; 693800, 4110200; 693800, 4111800; 692500, 4111800; 692400, 4110600; 691800, 4110600; 691600, 4110200; 690800, 4110300; 690000, 4110300; 690000, 4111400; 689700, 4111800; 689200, 4111800; 689200, 4111300; 688400, 4111300; 688400, 4112100; 686700, 4112100; 686500, 4112900; 686500, 4113700; 686000, 4113700; 686000, 4116100; 684500, 4116100; 684400, 4114200; 682200, 4114200; 682100, 4113000; 681100, 4113000; 681100, 4111800; 680600, 4111700; 679600, 4110900; 678800, 4110900; 678200, 4111800; 678300, 4113600; 677900, 4114400; 679400, 4114400; 679400, 4115200; 680000, 4115200; 680300, 4116000; 681800, 4116100; 682800, 4116600; 683600, 4116500; 683600, 4117100; 681200, 4117100; 681000, 4124500; 680800, 4124900; 679800, 4124900; 679800, 4125700; 680700, 4125700; 680600, 4126400; 680300, 4126700; 680300, 4127200; 678900, 4127800; 679000, 4129000; 679300, 4129200; 680100, 4129400; 679700, 4130700; 679400, 4130200; 678600, 4130200; 678000, 4131200; 678500, 4132100; 678800, 4132400; 679000, 4131800; 679200, 4131800; 680200, 4132200; 680700, 4131700; 681600, 4132800; 681200, 4133100; 681200, 4133600; 681600, 4134100; 681700, 4134200; 681900, 4134200; 682300, 4134000; 682700, 4133800; 683400, 4133100; 683600, 4132600; 683600, 4132300; 683100, 4131800; 683100, 4131500; 683400, 4131500; 684300, 4130400; 684700, 4130000; 685500, 4130700; 686000, 4130700; 686200, 4130900; 686400, 4130900; 688800, 4131400; 690300, 4131400; 690500, 4130600; 691600, 4130600; 691600, 4130000; 692900, 4130000; 692800, 4131700; 692400, 4131800; 692400, 4133500; 693000, 4133000; 694400, 4133100; 694400, 4132000; 693700, 4132000; 693700, 4129800; 695200, 4129800; 695200, 4130300; 695700, 4130300; 695900, 4130000; 696100, 4129500; 696100, 4129100; 696900, 4129100; 696900, 4130200; 697200, 4130200; 698300, 4128600; 698600, 4128200; 700100, 4127600; 700500, 4129200; 700500, 4130600; 701700, 4130600; 701800, 4129200; 703300, 4129200; 703300, 4128800; 703900, 4128800; 703900, 4129000; 704200, 4129000; 705600, 4128500; 705600, 4127800;

705300, 4127000; 705400, 4126200;  
 705900, 4125700; 706800, 4125400;  
 707200, 4125400; 707900, 4126100;  
 708300, 4126100; 708300, 4125400;  
 709100, 4125400; 709900, 4125700;  
 709900, 4126000; 710200, 4126200;  
 711500, 4126200; 711500, 4124600;  
 708000, 4124500; 706700, 4124500;  
 706700, 4122100; 711500, 4122200;  
 711500, 4121700; 712100, 4121400;  
 715600, 4121500; 715600, 4121100;  
 715300, 4121100; 714800, 4120600;  
 714800, 4119900; 716400, 4119900;  
 716400, 4119300; 715600, 4119300;  
 715600, 4118200; 718900, 4118300;  
 718900, 4118900; 718100, 4118900;  
 717700, 4119100; 717700, 4119900;  
 718100, 4119900; 718100, 4120800;  
 717000, 4120800; 717000, 4121600;  
 719300, 4121600; 719600, 4121700;  
 719600, 4123200; 718000, 4123200;  
 718000, 4124000; 722200, 4124000;  
 722200, 4123300; 721500, 4123300;  
 721500, 4122500; 722900, 4122500;  
 722900, 4121600; 722900, 4121200;  
 721300, 4121200; 721300, 4120300;  
 722900, 4120300; 722900, 4118500;  
 726100, 4118600; 726100, 4120100;  
 726900, 4120400; 728500, 4120400;  
 728500, 4121400; 730700, 4121800;  
 730900, 4122700; 731700, 4122700;  
 731700, 4123100; 732500, 4123100;  
 732600, 4121400; 735000, 4121100;  
 735300, 4120300; 733400, 4120300;  
 733400, 4118700; 731700, 4118700;  
 731700, 4117000; 730400, 4117000;  
 730400, 4118600; 727700, 4118600;  
 727500, 4118400; 727500, 4116900;  
 726800, 4116900; 726800, 4115300;  
 725900, 4115300; 725900, 4116900;  
 724300, 4116900; 724300, 4117600;  
 722600, 4117500; 722600, 4117600;  
 721800, 4117600; 721800, 4118400;  
 720200, 4118400; 720200, 4117600;  
 719400, 4117600; 719500, 4115900;  
 714600, 4115800; 714600, 4115000;  
 712200, 4115000; 711600, 4115500;  
 710600, 4116000; 709600, 4116500;  
 707300, 4116500; 707300, 4118100;  
 705000, 4118100; 704500, 4119600;  
 699400, 4119500; 699300, 4118700;  
 698800, 4118700; 698500, 4118500;  
 698200, 4117700; 697600, 4117700;  
 697800, 4116500; 693700, 4116200;  
 694200, 4115100; 694400, 4114600;  
 694800, 4114600; 695000, 4115100;  
 695800, 4115100; 696300, 4114300;  
 697600, 4114200; 697900, 4113900;  
 697900, 4113100; 698900, 4112500;  
 698800, 4109800; 695700, 4109800;  
 695700, 4109000; 697300, 4109000;  
 697300, 4108100; 696400, 4108100;  
 696400, 4107300; 696700, 4106600;  
 697600, 4106600; 698200, 4105800;  
 698200, 4105300; returning to 697300,  
 4104500.

(42) *Subunit 24a*: Madera County, California.

(i) From USGS 1:24,000 quadrangle maps Daulton, Gregg, Lanes Bridge, and Little Table Mtn., California, land bounded by the following UTM 11 NAD 83 coordinates (E, N): 246600, 4092800; 246300, 4092800; 246300, 4093000; 245500, 4093000; 242300, 4093100; 242300, 4095000; 242500, 4095100; 244000, 4095000; 244000, 4096700; 244800, 4096600; 244900, 4098200; 245700, 4098200; 245700, 4099800; 242500, 4100000; 242400, 4095200; 242300, 4095200; 237600, 4095200; 237600, 4096200; 237700, 4098500; 239600, 4098400; 239700, 4100000; 236100, 4100100; 236100, 4100400; 237500, 4101900; 238400, 4102700; 238800, 4103300; 239300, 4104100; 240900, 4106000; 242100, 4107300; 242100, 4106800; 242300, 4106800; 244300, 4105600; 245200, 4104700; 245800, 4103600; 246100, 4102700; 246500, 4101800; 246800, 4101300; 247200, 4100900; 248300, 4100900; 248900, 4101400; 250600, 4101400; 250600, 4098900; 251100, 4098900; 251100, 4098000; 251700, 4098000; 251700, 4096600; 253200, 4096600; 253200, 4095200; 252800, 4095200; 252500, 4095700; 252100, 4095600; 252100, 4094800; 250500, 4094800; 250400, 4093200; 250400, 4092900; 246600, 4092900; returning to 246600, 4092800.

(43) *Subunit 24B*: Fresno County, California.

(i) From USGS 1:24,000 quadrangle map Friant, California, land bounded by the following UTM 11 NAD 83 coordinates (E, N): 260100, 4086600; 259200, 4086600; 259200, 4087700; 259600, 4087500; 260000, 4087500; 260100, 4087900; 259700, 4088100; 258500, 4088200; 258000, 4088300; 258000, 4089100; 258500, 4089300; 258500, 4089800; 258300, 4089800; 257700, 4089200; 256600, 4089200; 256600, 4090200; 256800, 4090800; 256900, 4092700; 257200, 4094300; 257300, 4095500; 258600, 4096700; 258900, 4096700; 259100, 4097500; 259500, 4097700; 260100, 4097700; 260500, 4097300; 260700, 4096900; 261800, 4096500; 262200, 4096600; 262400, 4097000; 263100, 4097200; 263300, 4097200; 263600, 4097200; 264900, 4096500; 264900, 4096200; 265400, 4096100; 265700, 4095800; 264300, 4095600; 264300, 4095300; 263300, 4094700; 262300, 4094200; 261800, 4093600; 260700, 4093400; 259900, 4092300; 259900, 4092100; 260200, 4092100; 261200, 4092400; 262200, 4091500; 262900, 4091800; 263400, 4091300; 263400, 4089900; 263200, 4089800; 263100, 4089400; 261700, 4088800; 261700, 4089400; 261300, 4089400; 261300, 4088200; 261100, 4088200; 261100, 4087400;

260200, 4087400; returning to 260100, 4086600.

(44) *Unit 25*: Madera County, California.

(i) From USGS 1:24,000 quadrangle maps Millerton Lake East and North Fork, California, land bounded by the following UTM 11 NAD 83 coordinates (E, N): 4108720; 271200, 4106800; 270200, 4106800; 269900, 4107000; 269900, 4107600; 270100, 4108600; 269300, 4108300; 269000, 4108700; 268500, 4108700; 268300, 4110000; 268800, 4110400; 268900, 4111000; 268300, 4111300; 268500, 4111500; 268600, 4112300; 268800, 4112400; 270600, 4112400; 270800, 4112100; 270700, 4111300; 269600, 4110800; 269700, 4110500; 270000, 4110200; 270600, 4109700; 270800, 4108800; 271300, 4108400; 271500, 4107800; 271600, 4107300; returning to 271200, 4106800.

(45) *Unit 26A*: Kings and Tulare counties, California.

(i) From USGS 1:24,000 quadrangle maps Burris Park, Monson, Remnoy, and Traver, California, land bounded by the following UTM 11 NAD 83 coordinates (E, N): 274700, 4028100; 274700, 4029800; 275600, 4029800; 276100, 4030400; 276400, 4030600; 276800, 4031400; 277500, 4031500; 278200, 4031900; 279500, 4031800; 279000, 4032900; 280500, 4032900; 281400, 4033300; 281800, 4033200; 283000, 4034300; 283800, 4034400; 284700, 4035200; 286800, 4035100; 288500, 4035100; 288500, 4035600; 287700, 4035700; 287700, 4036700; 289300, 4036700; 289400, 4037400; 291100, 4037400; 291100, 4037200; 291800, 4037200; 291900, 4036800; 291900, 4035600; 292700, 4035800; 292700, 4036500; 293500, 4036400; 293500, 4036000; 294300, 4036000; 294300, 4035600; 293500, 4035600; 293400, 4034000; 292600, 4034000; 292600, 4035400; 291700, 4035400; 291700, 4035600; 290500, 4035700; 290500, 4036100; 289800, 4036100; 289800, 4035700; 289400, 4035700; 289400, 4034500; 288500, 4034500; 288500, 4034200; 287700, 4034200; 287700, 4034600; 287000, 4034300; 285000, 4034400; 285000, 4033800; 283100, 4033800; 283100, 4033100; 282600, 4033100; 282600, 4032600; 282200, 4032600; 282100, 4031800; 282100, 4031100; 280100, 4031100; 280100, 4030800; 279000, 4030600; 278700, 4030500; 278500, 4030100; 278100, 4030000; 276400, 4030100; 275700, 4029600; 275500, 4029200; 275300, 4028600; 275000, 4028300; returning to 274700, 4028100.

(46) *Subunit 26B*: Tulare County, California.

(i) From USGS 1:24,000 quadrangle map Monson, California, land bounded by the following UTM 11 NAD 83 coordinates (E, N): 297500, 4035500; 296700, 4035500; 296700, 4036300; 297500, 4036300; returning to 297500, 4035500.

(47) *Subunit 26C*: Tulare County, California.

(i) From USGS 1:24,000 quadrangle map Ivanhoe, California, land bounded by the following UTM 11 NAD 83 coordinates (E, N): 299200, 4038200; 298400, 4038200; 298400, 4039000; 298400, 4039500; 298500, 4039800; 298900, 4039900; 298900, 4041500; 300900, 4041500; 300900, 4040100; 300300, 4040100; 300300, 4039400; 299200, 4039400; returning to 299200, 4038200.

(48) *Subunit 27A*: Tulare County, California.

(i) From USGS 1:24,000 quadrangle maps Alpaugh, Corcoran, and Taylor Weir, California, land bounded by the following UTM 11 NAD 83 coordinates (E, N): 279200, 3986500; 278900, 3986500; 278900, 3986700; 278600, 3987200; 278500, 3987400; 278300, 3987500; 277100, 3987600; 276900, 3988500; 276900, 3989000; 276500, 3989000; 276000, 3989900; 275900, 3990800; 276100, 3991000; 276100, 3991500; 276400, 3991500; 276400, 3992300; 276300, 3992400; 276000, 3992300; 274300, 3992300; 274100, 3992500; 274100, 3994000; 274200, 3994300; 274700, 3994400; 274700, 3994700; 274900, 3995100; 275100, 3995200; 274500, 3995900; 274300, 3996200; 273500, 3997200; 273500, 3997500; 276500, 3997500; 276700, 3997200; 278100, 3997200; 278300, 3997100; 278300, 3995800; 279700, 3995800; 279900, 3995600; 279900, 3993900; 279700, 3993800; 278300, 3993800; 278300, 3992600; 278800, 3992600; 279000, 3992400; 279000, 3991800; 279600, 3991800; 279800, 3991700; 279800, 3990800; 279600, 3990800; 279600, 3990000; 279800, 3990000; 279800, 3989100; 279600, 3988900; 279000, 3988900; 279000, 3987700; 279200, 3987600; returning to 279200, 3986500.

(49) *Subunit 27B*: Tulare County, California.

(i) From USGS 1:24,000 quadrangle maps Alpaugh, Delano West, and Pixley, California, land bounded by the following UTM 11 NAD 83 coordinates (E, N): 292100, 3971100; 289500, 3971100; 289500, 3972500; 290300, 3972500; 290300, 3974400; 288200, 3974400; 288000, 3973600; 287200, 3973600; 287200, 3973000; 285800, 3973000; 285800, 3973500; 285200, 3973500; 285200, 3972800; 283800, 3972800; 282800, 3974600; 287500,

3974600; 288000, 3975100; 288000, 3975800; 288000, 3976000; 285800, 3976000; 285400, 3976100; 285100, 3976300; 285000, 3976800; 284900, 3977300; 284600, 3977500; 284600, 3977700; 283200, 3977700; 282900, 3977400; 284000, 3976400; 284000, 3976100; 282000, 3976100; 281000, 3977900; 282200, 3977900; 282600, 3977600; 282800, 3977700; 282800, 3977900; 283100, 3978100; 283100, 3979500; 286400, 3979500; 286400, 3980300; 287500, 3980300; 287500, 3979500; 287800, 3979400; 287700, 3977800; 289000, 3977800; 288900, 3976200; 290500, 3976100; 290600, 3975300; 291500, 3975300; 291400, 3973700; 292200, 3973700; 292200, 3973200; 292500, 3972900; 292900, 3972900; 292900, 3971900; 292100, 3971900; returning to 292100, 3971100.

(50) *Unit 28*: Monterey and San Benito counties, California.

(i) From USGS 1:24,000 quadrangle maps Hepsedam Peak, Hernandez Reservoir, Llanada, Lonoak, Monarch Peak, Nattrass Valley, Pinalito Canyon, Rock Spring Peak, San Benito, and Topo Valley, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 691600, 4008600; 690800, 4008600; 689500, 4009400; 689000, 4010100; 688900, 4010700; 687800, 4011000; 687100, 4011000; 685400, 4012100; 684900, 4013300; 683600, 4014100; 683400, 4014900; 682700, 4015200; 682500, 4016200; 683100, 4016600; 683100, 4017700; 684200, 4019500; 684200, 4020500; 683400, 4022200; 681700, 4023500; 681100, 4023600; 680700, 4024400; 680600, 4025500; 679800, 4025700; 679300, 4026900; 678700, 4027300; 678100, 4026600; 677400, 4026400; 676000, 4025600; 676000, 4025000; 676600, 4024500; 676800, 4023700; 675800, 4022500; 675600, 4021200; 675000, 4020200; 674200, 4019900; 672200, 4016700; 670800, 4015700; 670000, 4015700; 669500, 4016000; 669100, 4016700; 669600, 4017400; 669500, 4018600; 670100, 4019300; 670300, 4022200; 671000, 4023000; 672700, 4024100; 673500, 4024300; 674800, 4026200; 674500, 4026500; 674600, 4027000; 674100, 4027300; 673000, 4026800; 672400, 4027000; 671600, 4028700; 670700, 4028700; 669700, 4028900; 669700, 4030100; 669800, 4030700; 670300, 4032100; 670700, 4035100; 671300, 4037100; 669100, 4037700; 669200, 4038600; 668700, 4040300; 669800, 4042700; 671900, 4043300; 674100, 4043500; 676000, 4045600; 677300, 4046700; 683000, 4043300; 683800, 4042200; 683700, 4040600; 682300, 4039700; 681300, 4038600; 681600, 4037000; 681700, 4035800; 680800, 4034500; 678800,

4035200; 678000, 4036000; 677600, 4037100; 677200, 4037800; 676800, 4037900; 676100, 4038500; 675800, 4039000; 675000, 4038500; 675100, 4038000; 674700, 4037600; 673100, 4037000; 673800, 4036500; 674000, 4035500; 674700, 4035000; 675500, 4034700; 676000, 4033600; 676800, 4033300; 677600, 4032700; 678100, 4032100; 679000, 4031400; 679600, 4031200; 679900, 4031700; 679900, 4032700; 680500, 4033000; 681000, 4032500; 681500, 4031500; 682600, 4031200; 684400, 4028700; 685200, 4028700; 685500, 4028200; 687400, 4029500; 688000, 4030700; 688800, 4031100; 689700, 4031200; 691200, 4032600; 692000, 4032300; 692500, 4031600; 693200, 4031300; 693700, 4031300; 694300, 4030900; 693800, 4029500; 692600, 4028500; 693500, 4028500; 694300, 4027800; 694300, 4027200; 695100, 4026100; 696600, 4024900; 696600, 4023700; 697200, 4022600; 697900, 4022600; 698300, 4021500; 699200, 4020500; 699100, 4019400; 698500, 4019300; 698000, 4018700; 697100, 4018800; 695700, 4017900; 695400, 4016900; 695100, 4016500; 694900, 4015900; 694900, 4015000; 694400, 4013700; 693800, 4013100; 693600, 4012100; 692400, 4010900; 692000, 4009100; returning to 691600, 4008600.

(51) *Subunit 29A*: Monterey County, California.

(i) From USGS 1:24,000 quadrangle maps Cosio Knob, Jolon, and Williams Hill, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 673700, 3973300; 672700, 3974100; 672100, 3973300; 669400, 3974400; 668300, 3975600; 667100, 3976800; 665700, 3977800; 665100, 3978300; 664800, 3978900; 663900, 3979200; 663500, 3980000; 662800, 3980300; 661700, 3981000; 661000, 3982100; 660200, 3982200; 658900, 3982800; 658800, 3983700; 659100, 3983900; 659100, 3984100; 659400, 3984100; 660000, 3984600; 660200, 3986200; 660300, 3986400; 659800, 3986600; 659900, 3986800; 660200, 3986800; 660500, 3987200; 660700, 3987200; 660800, 3987500; 660500, 3987900; 660300, 3988400; 660500, 3988500; 661700, 3987600; 662400, 3986500; 663400, 3984300; 663500, 3983700; 664700, 3982000; 665100, 3982100; 665300, 3982400; 665500, 3982500; 666700, 3982200; 668000, 3982100; 668500, 3981900; 668700, 3981600; 668500, 3981100; 668700, 3980600; 669400, 3980100; 669800, 3980500; 670600, 3980700; 671400, 3980600; 671400, 3979500; 671900, 3979500; 672700, 3978600; 674700, 3978600; 675400, 3978200; 674600, 3976900; 674800, 3975700; 675100,

3975300; 675100, 3974800; 674600, 3974300; 674400, 3973400; returning to 673700, 3973300.

(52) *Subunit 29B*: Monterey and San Luis Obispo counties, California.

(i) From USGS 1:24,000 quadrangle maps Adelaida, Bradley, Paso Robles, San Miguel, Valleton, and Wunpost, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 701800, 3951600; 700200, 3951900; 699700, 3953000; 700000, 3953600; 698600, 3955300; 697900, 3957000; 698100, 3957800; 697200, 3958800; 696600, 3958600; 696300, 3958500; 695700, 3958500; 694500, 3960600; 694200, 3961400; 694800, 3961800; 694900, 3962400; 694700, 3962800; 694800, 3963500; 695400, 3963500; 695800, 3963400; 696700, 3963400; 697800, 3964200; 699000, 3964200; 700100, 3965600; 700500, 3966800; 701400, 3968400; 698800, 3970000; 698800, 3970400; 699200, 3970700; 699800, 3972200; 700200, 3972800; 700400, 3973600; 700800, 3974300; 701300, 3974700; 701700, 3975500; 702900, 3976300; 703200, 3976900; 704200, 3977800; 704800, 3977900; 705400, 3977900; 706100, 3978300; 706700, 3978700; 706700, 3978300; 706200, 3976700; 706100, 3975500; 706300, 3975100; 706500, 3974400; 706400, 3971900; 706600, 3970800; 707000, 3970100; 707000, 3969400; 706800, 3969200; 706800, 3968200; 706600, 3967400; 705500, 3965500; 705400, 3964700; 705800, 3963600; 705700, 3963000; 706000, 3962800; 706800, 3963500; 707600, 3963500; 707500, 3962800; 707900, 3962500; 708100, 3962000; 707500, 3961300; 706500, 3961200; 706000, 3961000; 705600, 3959800; 705900, 3959400; 706000, 3958800; 706600, 3958600; 706900, 3958000; 706900, 3957600; 706400, 3957200; 705100, 3957000; 704900, 3956700; 705400, 3956700; 705800, 3956700; 705800, 3956500; 706300, 3956000; 707900, 3956100; 707900, 3955400; 708100, 3955100; 707600, 3954000; 707300, 3953600; 705700, 3952600; 705000, 3952800; returning to 701800, 3951600.

(53) *Subunit 29C*: San Luis Obispo County, California.

(i) From USGS 1:24,000 quadrangle maps Cholame Hills, Creston, Estrella, Paso Robles, and Ranchito Canyon, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 717700, 3941700; 717400, 3941700; 717000, 3941900; 717200, 3942500; 715100, 3944900; 715300, 3945200; 714500, 3945900; 714800, 3946200; 714600, 3946400; 714000, 3946400; 713200, 3947000; 713200, 3947200; 713600, 3947800; 713500, 3948400; 713200, 3948700; 712800,

3947900; 712600, 3947900; 712500, 3948000; 712500, 3948800; 711600, 3949100; 711300, 3949300; 711200, 3949800; 710600, 3949900; 710500, 3950000; 710500, 3950200; 710900, 3950400; 710900, 3950600; 710600, 3950700; 709400, 3950500; 709300, 3952100; 709800, 3952800; 709800, 3954800; 709500, 3955200; 709500, 3955600; 710200, 3955600; 710400, 3955500; 711000, 3955300; 711500, 3954600; 711600, 3953600; 713900, 3953600; 714200, 3954000; 714500, 3953800; 715000, 3953700; 715300, 3953500; 715500, 3953400; 715700, 3953400; 716000, 3953700; 716500, 3953700; 716800, 3953600; 717600, 3953700; 717900, 3954200; 718500, 3954600; 718900, 3954800; 719300, 3954900; 720400, 3955600; 721400, 3956700; 722200, 3958400; 722500, 3960400; 723300, 3962100; 724200, 3962500; 724400, 3963300; 725100, 3964000; 725100, 3963300; 725000, 3962100; 725600, 3961700; 726100, 3961700; 726100, 3961300; 725200, 3960400; 725100, 3959200; 724700, 3958300; 724300, 3956700; 724700, 3956500; 725200, 3955000; 724100, 3953600; 723800, 3952700; 723400, 3952000; 723100, 3950600; 723500, 3949700; 723500, 3949000; 724100, 3948500; 723500, 3948400; 722300, 3948900; 719200, 3948900; 719200, 3949700; 718300, 3949700; 718300, 3948900; 718900, 3948900; 719000, 3948700; 719200, 3948700; 719200, 3948100; 720000, 3948100; 720000, 3946500; 720200, 3946400; 720800, 3945700; 721000, 3945200; 721100, 3944900; 721100, 3943400; 720100, 3943400; 718700, 3942200; returning to 717700, 3941700.

(54) *Unit 30*: San Luis Obispo County, California.

(i) From USGS 1:24,000 quadrangle maps Chimineas Ranch, McKittrick Summit, Painted Rock, and Simmler, California, land bounded by the following UTM 11 NAD 83 coordinates (E, N): 247900, 3894600; 245800, 3895500; 243500, 3896000; 242700, 3896400; 242200, 3897600; 240100, 3898900; 239500, 3899300; 239300, 3899600; 238300, 3900400; 237900, 3900300; 236100, 3901000; 235800, 3901300; 235800, 3902300; 235500, 3903500; 234800, 3904400; 233000, 3904900; 231800, 3905800; 231600, 3907000; 231900, 3908800; 231800, 3909400; 229400, 3910200; 227200, 3911200; 227300, 3913400; 228100, 3913800; 229000, 3913900; 231900, 3913200; 233300, 3913200; 234300, 3912900; 235100, 3912100; 235300, 3911200; 233900, 3910100; 233700, 3909700; 235300, 3909000; 235700, 3908500; 237200, 3907500; 237700, 3906300; 238200, 3905800; 239100,

3905200; 239100, 3904900; 242800, 3902600; 244400, 3901300; 244400, 3901000; 244700, 3900700; 244800, 3899100; 245400, 3898800; 247200, 3896600; 248200, 3895000; returning to 247900, 3894600.

(55) *Unit 31*: Santa Barbara County, California.

(i) From USGS 1:24,000 quadrangle maps Figueroa Mtn., Lake Cachuma, Los Olivos, and Santa Ynez, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 775000, 3831900; 774200, 3831800; 773600, 3831900; 772500, 3831800; 772100, 3831400; 771400, 3831500; 770400, 3831000; 769800, 3830900; 769300, 3831100; 769100, 3831300; 768500, 3832600; 768500, 3833300; 768700, 3833700; 769900, 3834700; 770200, 3834700; 771900, 3835200; 772300, 3835300; 772800, 3835000; 773100, 3835000; 773100, 3835300; 773700, 3835300; 773700, 3836100; 773200, 3836900; 773800, 3837100; 774300, 3836500; 774900, 3836300; thence southeast to UTM zone 11, land bounded by the following UTM 11 NAD 83 coordinates (E, N): 225100, 3836200; 225300, 3836400; 225600, 3837000; 226600, 3838500; 228200, 3839300; 229800, 3839000; 232200, 3840500; 232400, 3841700; 232300, 3842700; 231600, 3843100; 230300, 3844900; 230000, 3846200; 230800, 3846400; 231200, 3846200; 231700, 3846200; 232000, 3846500; 232800, 3847000; 233800, 3847000; 234500, 3846400; 234700, 3845600; 235200, 3845600; 235900, 3844500; 236400, 3844200; 236400, 3843800; 235900, 3843600; 235700, 3843300; 235500, 3843000; 235200, 3842900; 235100, 3842800; 235100, 3842000; 235300, 3841300; 235200, 3840700; 234700, 3840000; 234900, 3839700; 234600, 3839500; 234600, 3839300; 234300, 3839300; 233800, 3839300; 233100, 3838200; 232900, 3838000; 232300, 3837900; 232100, 3838200; 231800, 3838400; 231400, 3838500; 230700, 3837700; 230800, 3837200; 230300, 3836600; 230100, 3836100; 230000, 3835700; 229100, 3835300; 228900, 3834900; 228800, 3833800; 228000, 3833300; 227400, 3833200; 227000, 3832800; 226700, 3832400; 226100, 3832400; 225800, 3832500; 225200, 3832000; 225000, 3831900; 225000, 3831900; 224800, 3831900; thence west to UTM zone 10 to the point of beginning at UTM 10 NAD 83 coordinates 775000, 3831900.

(56) *Unit 32*: Ventura County, California.

(i) From USGS 1:24,000 quadrangle maps Alamo Mountain, Lion Canyon, Lockwood Valley, San Guillermo, and Topatopa Mountains, California, land

bounded by the following UTM 11 NAD 83 coordinates (E, N): 310100, 3830500; 309400, 3831000; 308400, 3830900; 307200, 3830600; 306000, 3831200; 304700, 3831300; 303400, 3832100; 302100, 3832600; 301600, 3833600; 300400, 3833600; 299200, 3834000; 298200, 3834400; 297700, 3835300; 297900, 3837300; 299500, 3837500; 301200, 3838400; 301500, 3839300; 303400, 3841000; 303800, 3842700; 304900, 3843600; 305800, 3843600; 307700, 3843400; 309500, 3843400; 310500, 3844200; 311900, 3844600; 313400, 3845400; 314500, 3844100; 315200, 3843800; 315700, 3842400; 316500, 3841100; 317200, 3838100; 317200, 3837000; 316500, 3833900; 315700, 3833300; 315200, 3834100; 314000, 3834100; 313100, 3832200; 311500, 3830800; returning to 310100, 3830500.

(57) *Subunit 33A: Riverside County, California.*

(i) From USGS 1:24,000 quadrangle maps Perris, Romoland, and Lake Elsinore, California, land bounded by the following UTM11 NAD83 coordinates (E,N): 486950, 3744600; 487050, 3744600; 487050, 3744100; 487150, 3744098; 487400, 3744450; 487400, 3744500; 487500, 3744500; 487500, 3744400; 487550, 3744400; 487700, 3744250; 487700, 3744050; 487650, 3744050; 487650, 3744000; 487600, 3744000; 487600, 3743950; 487500, 3743900; 487450, 3743900; 487450, 3743800; 487350, 3743800; 487350, 3743750; 487300, 3743750; 487300, 3743550; 487100, 3743550; 487200, 3743391; 487300, 3743400; 487300, 3743350; 487350, 3743350; 487350, 3743150; 487300, 3743150; 487100, 3742943; 487100, 3742900; 487000, 3742900; 487000, 3742850; 486900, 3742850; 486900, 3742800; 486850, 3742800; 486850, 3742599; 486650, 3742600; 486650, 3742550; 486600, 3742550; 486600, 3742500; 486500, 3742500; 486500, 3742400; 486450, 3742400; 486450, 3742350; 486400, 3742350; 486400, 3742200; 486350, 3742200; 486350, 3742100; 486300, 3742100; 486300, 3742000; 486250, 3742000; 486250, 3741950; 486200, 3741950; 486200, 3741900; 486250, 3741900; 486250, 3741750; 486102, 3741592; 486050, 3741600; 486050, 3741400; 486000, 3741400; 486000, 3741250; 485950, 3741250; 485950, 3741150; 485900, 3741150; 485900, 3741100; 485850, 3741100; 485850, 3741000; 485800, 3741000; 485800, 3740900; 485750, 3740900; 485750, 3740550; 485700, 3740550; 485700, 3740250; 485650, 3740250; 485650, 3740200; 485250, 3740200; 485250, 3740150; 485200, 3740150;

485200, 3740100; 484600, 3740100; 484600, 3740000; 484550, 3740000; 484550, 3739900; 484500, 3739900; 484500, 3739750; 484450, 3739750; 484450, 3739700; 484400, 3739700; 484400, 3739650; 484350, 3739650; 484350, 3739600; 484250, 3739600; 484250, 3739550; 484000, 3739299; 483950, 3739300; 483950, 3738800; 483900, 3738800; 483900, 3738750; 483850, 3738750; 483850, 3738550; 483900, 3738550; 483900, 3738500; 483950, 3738500; 483950, 3738450; 484000, 3738450; 484000, 3738350; 484050, 3738350; 484050, 3738300; 484100, 3738300; 484100, 3738100; 484050, 3738100; 484050, 3738000; 484000, 3738000; 484000, 3737950; 483900, 3737950; 483900, 3737900; 483800, 3737900; 483800, 3737850; 483750, 3737850; 483750, 3737800; 483700, 3737800; 483700, 3737750; 483600, 3737750; 483600, 3737650; 483550, 3737650; 483550, 3737500; 483500, 3737500; 483500, 3737350; 483450, 3737350; 483450, 3737300; 483400, 3737300; 483400, 3737250; 483300, 3737250; 483300, 3737200; 483250, 3737200; 483250, 3737150; 483200, 3737150; 483200, 3737050; 483150, 3737050; 483150, 3737000; 483100, 3737000; 483100, 3736950; 483050, 3736950; 483050, 3736900; 483000, 3736900; 483000, 3736850; 482550, 3736850; 482550, 3736750; 482600, 3736750; 482600, 3736600; 482100, 3736600; 482100, 3736550; 482050, 3736550; 482050, 3736600; 482000, 3736600; 482000, 3736550; 481950, 3736550; 481950, 3736500; 481900, 3736500; 481900, 3736450; 481850, 3736450; 481850, 3736400; 481800, 3736400; 481800, 3736300; 481750, 3736300; 481750, 3736250; 481800, 3736250; 481800, 3736100; 481750, 3736100; 481750, 3735950; 481700, 3735950; 481700, 3735850; 481650, 3735850; 481650, 3735700; 481700, 3735700; 481700, 3735650; 481800, 3735650; 481800, 3735600; 481850, 3735600; 481850, 3735550; 481900, 3735550; 481900, 3735500; 482000, 3735500; 482000, 3735450; 482050, 3735450; 482050, 3735250; 482000, 3735250; 482000, 3735200; 481750, 3735200; 481750, 3735250; 481600, 3735250; 481600, 3735300; 481450, 3735300; 481450, 3735350; 481400, 3735350; 481400, 3735150; 481450, 3735150; 481450, 3735050; 481400, 3735050; 481400, 3735000; 481300, 3735000; 481300, 3734950; 481100, 3734950; 481100, 3734900; 481050, 3734900; 481050, 3734850; 481000, 3734850; 480850, 3734250; 480800, 3734250; 480800, 3734150; 480750, 3734150; 480750, 3734050; 480700, 3734050; 480700, 3734000;

480500, 3734000; 480500, 3734050; 480300, 3734050; 480300, 3734100; 480150, 3734100; 480150, 3734150; 480050, 3734150; 480050, 3734200; 479700, 3734200; 479700, 3734150; 479400, 3734150; 479400, 3734200; 479250, 3734200; 479250, 3734150; 479050, 3734150; 479050, 3734100; 478850, 3734100; 478850, 3734050; 478750, 3734050; 478750, 3734000; 478600, 3734000; 478600, 3733950; 478450, 3733950; 478450, 3733900; 478250, 3733900; 478250, 3733850; 478100, 3733850; 478100, 3733800; 478000, 3733800; 478000, 3733750; 477900, 3733750; 477900, 3733700; 477850, 3733700; 477850, 3733602; 477550, 3733100; 477550, 3733000; 477450, 3733000; 477450, 3732950; 477100, 3732950; 477100, 3733000; 476800, 3733000; 476800, 3732950; 476700, 3732950; 476700, 3732900; 476600, 3732900; 476600, 3732850; 476550, 3732850; 476550, 3732800; 476500, 3732800; 476500, 3732750; 476400, 3732750; 476400, 3732900; 476500, 3732900; 476500, 3732950; 476550, 3732950; 476550, 3733000; 476650, 3733000; 476650, 3733050; 476700, 3733050; 476700, 3733100; 476800, 3733100; 476800, 3733150; 477100, 3733150; 477100, 3733100; 477450, 3733100; 477450, 3733199; 477650, 3733600; 477650, 3733694; 478000, 3734050; 478100, 3734050; 478100, 3734100; 478200, 3734100; 478200, 3734150; 478300, 3734150; 478300, 3734200; 478500, 3734200; 478500, 3734250; 478650, 3734250; 478750, 3734300; 478750, 3734300; 478750, 3734350; 478850, 3734450; 478900, 3734450; 478900, 3734550; 478950, 3734550; 478950, 3734650; 479000, 3734650; 479000, 3734750; 479050, 3734750; 479050, 3734900; 479100, 3734900; 479100, 3735100; 479150, 3735100; 479150, 3735200; 479200, 3735200; 479200, 3735250; 479250, 3735250; 479250, 3735350; 479300, 3735350; 479300, 3735450; 479350, 3735450; 479350, 3735600; 479400, 3735600; 479400, 3735650; 479450, 3735650; 479450, 3735700; 479500, 3735700; 479500, 3735750; 479550, 3735750; 479550, 3735850; 479600, 3735850; 479600, 3735900; 479700, 3735900; 479700, 3735950; 479750, 3735950; 479750, 3736000; 479800, 3736000; 479800, 3736050; 479850, 3736050; 479850, 3736100; 479900, 3736100; 479900, 3736150; 479950, 3736150; 479950, 3736250; 480000, 3736250; 480000, 3736450; 479950, 3736450; 479950, 3736500; 479900, 3736500; 479900, 3736550; 479850, 3736550; 479850, 3736650; 479800, 3736650; 479800, 3736700; 479750, 3736700; 479750, 3736850;



479800, 3736850; 479800, 3736900;  
 479850, 3736900; 479850, 3736950;  
 480150, 3736950; 480150, 3737000;  
 480250, 3737000; 480250, 3737050;  
 480300, 3737050; 480300, 3737100;  
 480350, 3737100; 480350, 3737150;  
 480400, 3737150; 480400, 3737650;  
 480450, 3737650; 480450, 3737700;  
 480500, 3737700; 480500, 3737750;  
 480550, 3737750; 480550, 3737850;  
 480600, 3737850; 480600, 3738000;  
 480550, 3738000; 480550, 3738150;  
 480600, 3738150; 480600, 3738250;  
 480750, 3738250; 480750, 3738200;  
 480850, 3738200; 480850, 3738250;  
 480800, 3738250; 480800, 3738400;  
 480750, 3738400; 480750, 3738550;  
 480700, 3738550; 480700, 3738700;  
 480750, 3738700; 480750, 3738750;  
 480800, 3738750; 480800, 3738800;  
 480850, 3738800; 480850, 3738950;  
 480800, 3738950; 480800, 3739000;  
 480850, 3739000; 480850, 3739050;  
 481000, 3739050; 481000, 3739100;  
 481150, 3739100; 481150, 3739000;  
 481200, 3739000; 481200, 3738900;  
 481250, 3738900; 481250, 3738850;  
 481300, 3738850; 481300, 3738750;  
 481350, 3738750; 481350, 3738650;  
 481400, 3738650; 481400, 3738550;  
 481500, 3738550; 481500, 3738650;  
 481550, 3738650; 481550, 3738700;  
 481650, 3738700; 481650, 3738750;  
 482150, 3738750; 482150, 3738800;  
 482200, 3738800; 482200, 3739050;  
 482150, 3739050; 482150, 3739250;  
 482200, 3739250; 482200, 3739300;  
 482250, 3739300; 482250, 3739350;  
 482400, 3739350; 482400, 3739400;  
 482750, 3739400; 482750, 3739350;  
 482800, 3739350; 482800, 3739400;  
 482900, 3739400; 482900, 3739450;  
 483250, 3739450; 483250, 3739500;  
 483400, 3739500; 483400, 3739550;  
 483500, 3739550; 483500, 3739600;  
 484100, 3740050; 484100, 3740100;  
 484400, 3740100; 484400, 3740150;  
 486800, 3743700; 486850, 3743700;  
 486850, 3743800; 486800, 3743800;  
 486800, 3744000; 487000, 3744000;  
 487000, 3744100; 486950, 3744100;  
 returning to 486950, 3744600.

(58) *Subunit 33B*: Riverside County, California.

(i) From USGS 1:24,000 quadrangle maps Lakeview and Winchester,

California, land bounded by the following UTM 11 NAD 83 coordinates (E, N): 496100, 3734600; 497000, 3734600; 497000, 3732800; 497200, 3732800; 497200, 3732900; 498000, 3732900; 498000, 3732800; 497900, 3732800; 497900, 3732630; 497230, 3732290; 497250, 3732250; 497300, 3732280; 497340, 3732220; 497760, 3732430; 497800, 3732400; 497800, 3732100; 497000, 3732100; 497000, 3731700; 495500, 3731000; 495300, 3731000; 495300, 3731300; 494500, 3731300; 494500, 3731500; 494600, 3731500; 494700, 3731600; 494700, 3732000; 494800, 3732000; 494800, 3732100; 495550, 3732100; 495550, 3733300; 495600, 3733300; 495600, 3733600; 496100, 3733600; returning to 496100, 3734600; excluding land bounded by 495900, 3733500; 495900, 3733300; 496000, 3733300; 496000, 3733500; 495900, 3733500; and land bounded by 495800, 3732100; 495700, 3731700; 496000, 3731700; 496000, 3732100; 495800, 3732100.

(59) *Subunit 33C*: Riverside County, California.

(i) From USGS 1:24,000 quadrangle map Lakeview, California, land bounded by the following UTM 11 NAD 83 coordinates (E, N): 496900, 3736800; 497200, 3736800; 497200, 3736500; 496900, 3736500; returning to 496900, 3736800.

(60) *Unit 34*: Riverside County, California.

(i) From USGS 1:24,000 quadrangle maps Murrieta and Wildomar, California, land bounded by the following UTM11 NAD27 coordinates (E, N): 476250, 3711500; 477000, 3711500; 477000, 3711250; 477250, 3711250; 477250, 3710750; 478000, 3710750; 478000, 3710500; 478250, 3710500; 478250, 3710250; 478500, 3710250; 478500, 3710000; 478750, 3710000; 478750, 3709750; 479250, 3709750; 479250, 3709500; 479500, 3709500; 479500, 3709250; 479250, 3709250; 479250, 3709000; 479500, 3709000; 479500, 3708500; 479250, 3708500; 479000, 3708250; 479000, 3708250; 478750, 3708500; 478750, 3708750; 478250,

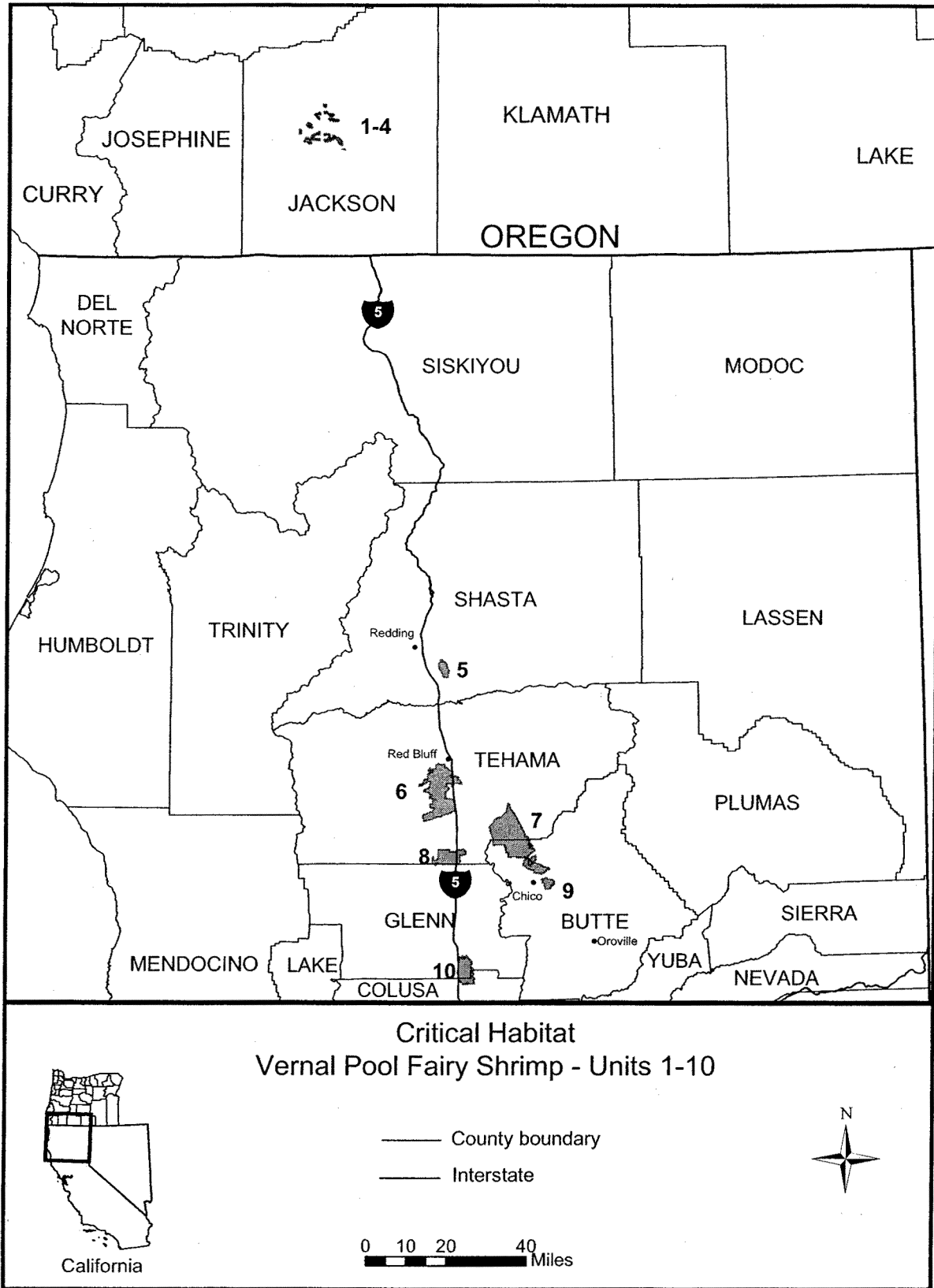
3708750; 478250, 3709000; 477500, 3709000; 477500, 3709250; 476750, 3709250; 476750, 3709000; 476500, 3709000; 476500, 3708500; 475750, 3708500; 475750, 3708000; 475000, 3708000; 475000, 3707000; 474000, 3707000; 474000, 3706750; 472000, 3706750; 472000, 3708250; 472500, 3708250; 472500, 3708500; 472750, 3708500; 473000, 3709250; 473000, 3710500; 473250, 3710500; 473250, 3710750; 474000, 3710750; 474000, 3710500; 474250, 3710500; 474250, 3710250; 474500, 3710250; 474500, 3710000; 474750, 3710000; 474750, 3709750; 475000, 3709750; 475000, 3710000; 475000, 3710000; 475500, 3710000; 475500, 3710250; 475750, 3710250; 475750, 3711250; 476250, 3711250; returning to 476250, 3711500; excluding land bounded by 475000, 3709500; 475000, 3709000; 475250, 3709000; 475250, 3709250; 475500, 3709250; 475500, 3709500; 475000, 3709500; and land bounded by 473500, 3709000; 473500, 3708750; 474250, 3708750; 474250, 3709000; 473500, 3709000.

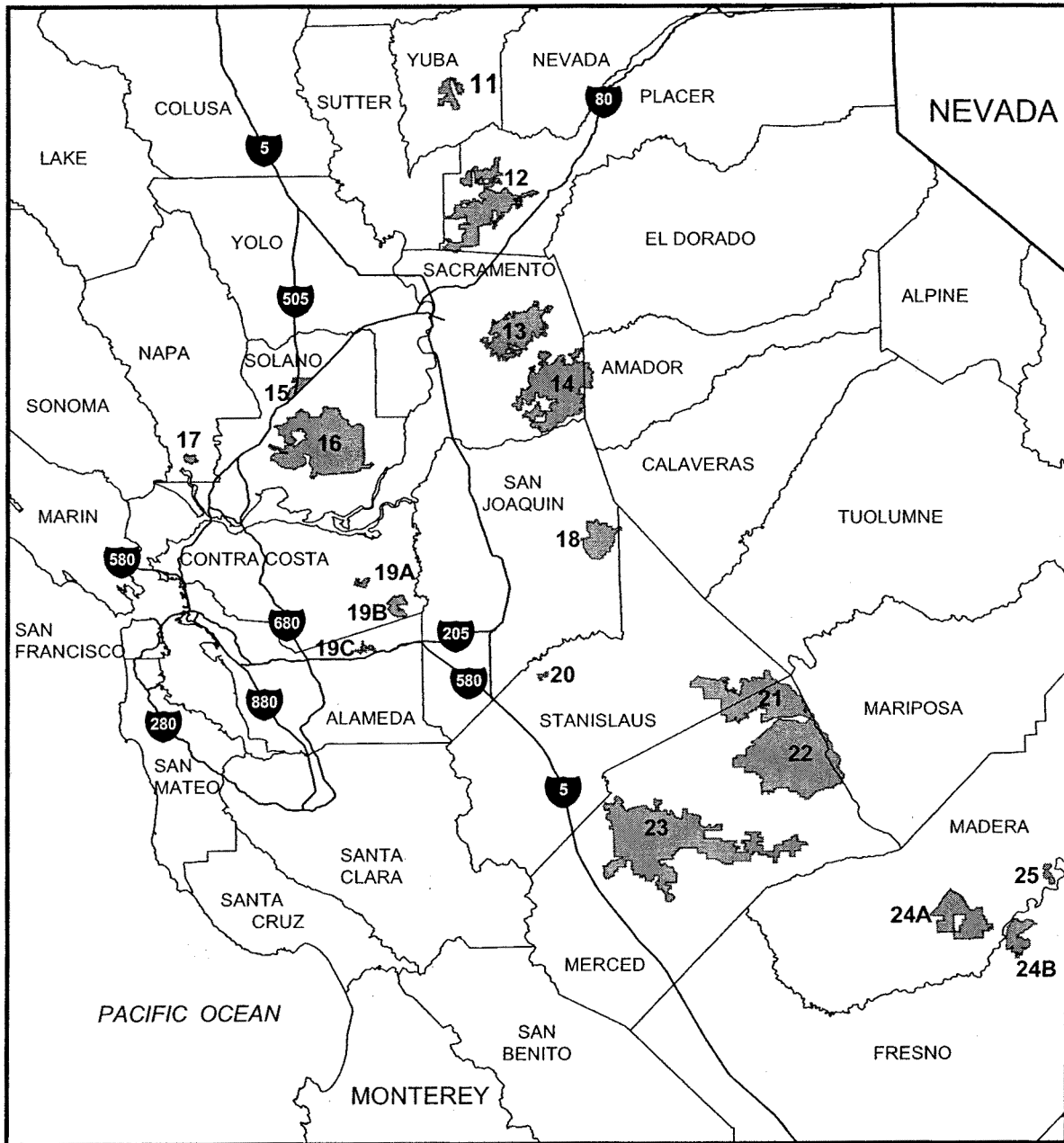
(61) *Unit 35*: Riverside County, California.

(i) From USGS 1:24,000 quadrangle map Bachelor Mtn., California, land bounded by the following UTM 11 NAD 83 coordinates (E, N): 490800, 3712500; 490400, 3712500; 490400, 3712600; 490200, 3712600; 490200, 3712700; 490100, 3712700; 490100, 3712800; 490000, 3712800; 490000, 3712900; 489800, 3712900; 489800, 3713000; 489700, 3713000; 489700, 3713300; 489800, 3713300; 489800, 3713600; 490200, 3713600; 490200, 3713500; 490600, 3713500; 490600, 3713400; 491000, 3713400; 491000, 3713300; 490900, 3713300; 490900, 3713200; 490800, 3713200; 490800, 3713000; 490900, 3713000; 490900, 3712700; 490800, 3712700; returning to 490800, 3712500.

(62) Maps follow of critical habitat units 1 through 10, 11 through 25, and 26 through 35 (respectively) for vernal pool fairy shrimp (*Branchinecta lynchi*).

BILLING CODE 4310-55-P





Critical Habitat  
Vernal Pool Fairy Shrimp - Units 11-25

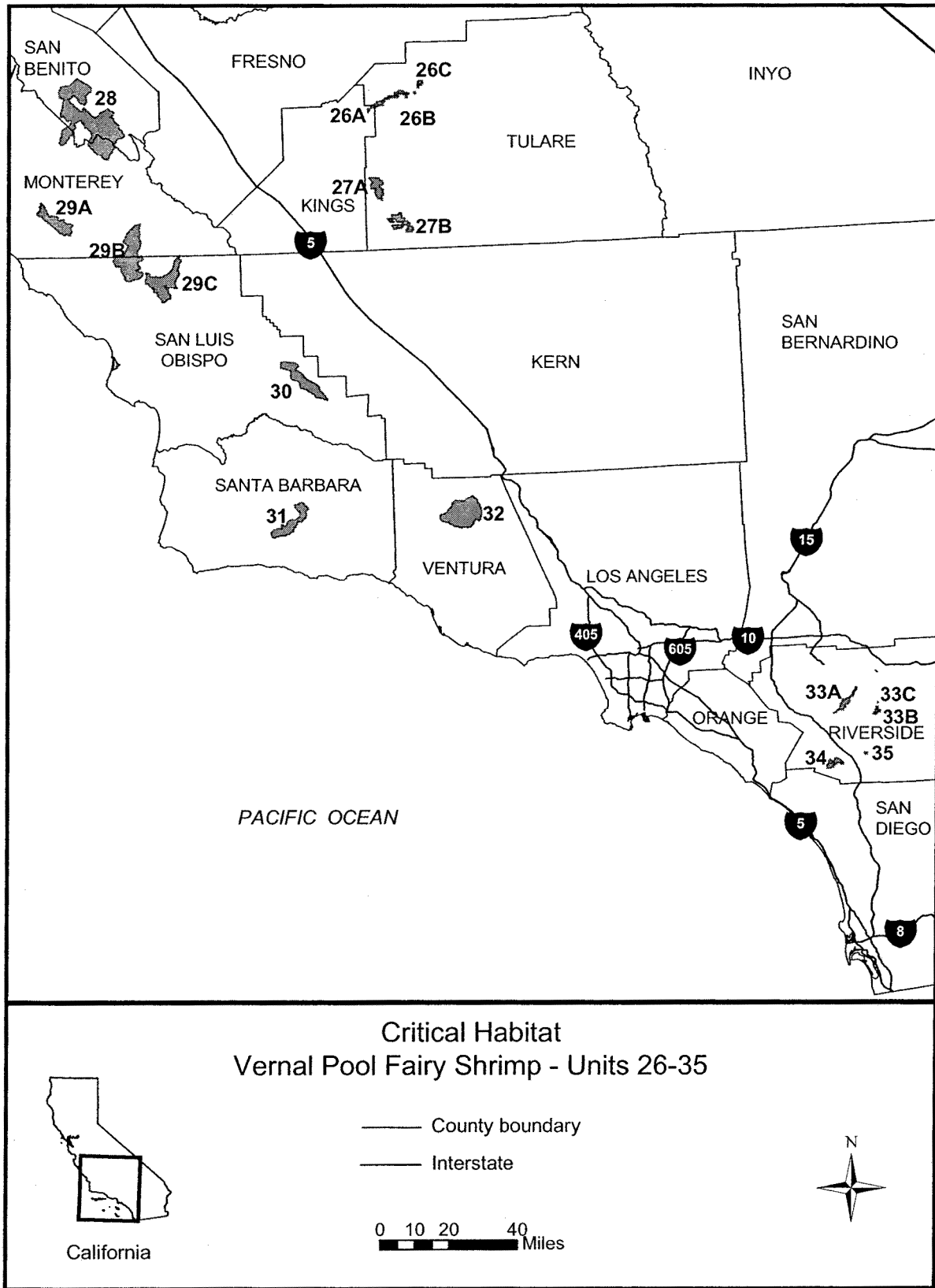


California

- County boundary
- Interstate



0 5 10 20  
Miles



BILLING CODE 4310-55-C

Vernal Pool Tadpole Shrimp (*Lepidurus packardii*)

(1) Critical habitat units are depicted for Shasta, Butte, Tehama, Glenn, Colusa, Sacramento, Solano, Alameda, Amador, Stanislaus, Merced, Mariposa,

Madera, Fresno, Tulare and Kings counties, California on the map below.

(2) The primary constituent elements of critical habitat for *Lepidurus packardii*

are the habitat components that provide—

(i) Vernal pools, swales, and other ephemeral wetlands and depressions of appropriate sizes and depths that typically become inundated during winter rains and hold water for sufficient lengths of time necessary for vernal pool tadpole shrimp incubation, reproduction, dispersal, feeding, and sheltering, but which are dry during the summer and do not necessarily fill with water every year; including but not limited to vernal pools on Redding and Corning soils on high terrace landforms, and

(ii) The geographic, topographic, and edaphic features that support aggregations or systems of hydrologically interconnected pools, swales, and other ephemeral wetlands and depressions within a matrix of surrounding uplands that together form hydrologically and ecologically functional units called vernal pool complexes. These features contribute to the filling and drying of the vernal pool, and maintain suitable periods of pool inundation, water quality, and soil moisture for vernal pool crustacean hatching, growth and reproduction, and dispersal, but not necessarily every year.

(3) Existing man-made 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.*

(i) 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): 564200, 4480800; 564000, 4480800; 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; 564700, 4483800; 564900, 4483600; 564900, 4483400; 564500, 4483000; 564500, 4482800; 564600, 4482700; 564600,

4482400; 564400, 4482100; 564500, 4481700; 564500, 4481000; returning to 564200, 4480800.

(5) *Unit 2: Shasta and Tehama counties, California.*

(i) 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; 565300, 4463200; 566400, 4464000; 566700, 4464200; 566800, 4464100; 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; 570700, 4467600; 570300, 4467700; 570300, 4467900; 570700, 4469000; 570700, 4469400; 569900, 4470200; 569600, 4470200; 569300, 4470200; 569000, 4470600; 569000, 4471300; 569400, 4472000; 569500, 4472400; 569900, 4472400; 570400, 4472300; 572100, 4472800; 572700, 4472500; 574100, 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.

(6) *Unit 3: Butte and Tehama Counties, California.*

(i) From USGS 1:24,000 quadrangle maps Acorn Hollow, Campbell Mound, Foster Island, Nord, Richardson Springs, Richardson Springs NW, and Vina, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 602400, 4401600; 601900, 4401800; 601800, 4402000; 601500, 4401900; 601000, 4401900; 600400, 4402100; 599600, 4402100; 599400, 4403400; 599100, 4403200; 598300, 4403400; 597100, 4403700; 596400, 4404200; 596300, 4404800; 595100, 4405000; 595100, 4405600; 595400, 4406000; 595400, 4407100; 595500, 4407100; 595700, 4407300; 595700, 4407400; 596100, 4407400; 596400, 4408000; 596400, 4408100; 596100, 4408200; 596100, 4408400; 596200, 4408600; 595900, 4408800; 595700, 4408800; 595500, 4408200; 594300, 4408200; 594100, 4408300; 594000, 4408400; 593600, 4408500; 593400, 4408200; 592600, 4408200; 592500, 4408700; 592100, 4408500; 592000, 4408700; 591400, 4408700; 590700, 4408700; 590400, 4408300; 589900, 4408300; 589000, 4408600; 589000, 4409300; 589100, 4409900; 588900, 4410200; 588200, 4410300; 588200, 4411000; 587900, 4411400; 587900, 4412000; 587900, 4412400; 587600, 4412700; 587600, 4413400; 584200, 4413400; 583100, 4413100; 582900, 4413400; 582900, 4415900; 582000, 4418300; 581800, 4419200; 582000, 4419500; 581400, 4420000; 581400, 4420400; 581800, 4420700; 581600, 4421000; 583200, 4422600; 583500, 4423600; 585200, 4424500; 586000, 4424500; 587500, 4426100; 588200, 4426500; 588600, 4429100; 588800, 4430200; 589500, 4429500; 589500, 4428600; 591400, 4425800; 592600, 4424100; 593400, 4422300; 594200, 4421100; 595900, 4417800; 595800, 4417300; 595800, 4416600; 596100, 4416600; 596400, 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; 597700, 4409400; 597000, 4408500; 596800, 4408300; 596800, 4407500; 597300, 4407500; 597300, 4408000; 597900, 4407500; 598100, 4407500; 598100, 4407100; 597700,

4406800; 597800, 4406700; 597500, 4406500; 597300, 4406700; 597100, 4406600; 597500, 4406100; 597100, 4405900; 597600, 4405100; 598000, 4405300; 598400, 4404700; 598500, 4404800; 598200, 4405300; 599000, 4405800; 598900, 4406100; 598700, 4406000; 598500, 4406000; 598500, 4407200; 598300, 4407200; 598300, 4407500; 598200, 4407800; 598700, 4408400; 599900, 4409000; 600100, 4409000; 600300, 4408800; 600300, 4408400; 600000, 4408100; 600400, 4407600; 599500, 4406700; 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; 604400, 4402800; 603600, 4402100; 602900, 4402100; returning to 602400, 4401600.

(7) *Unit 4: Butte County, California.*

(i) From USGS 1:24,000 quadrangle maps Cherokee, Chico, Hamlin Canyon, Oroville, and Shippee, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 614900, 4374100; 614400, 4374700; 614000, 4374700; 614000, 4376000; 614400, 4376800; 614700, 4377000; 615900, 4377000; 616300, 4377000; 616300, 4378100; 614500, 4378100; 614500, 4378900; 612600, 4378900; 612200, 4380400; 612200, 4382600; 612500, 4383300; 613600, 4384200; 614200, 4384800; 613000, 4386100; 612300, 4386300; 612000, 4386100; 611300, 4384500; 611300, 4383600; 610100, 4382100; 608500, 4383300; 608800, 4383800; 609500, 4384200; 609500, 4384500; 609200, 4385000; 609500, 4385300; 609300, 4385800; 609500, 4386100; 610500, 4386700; 611100, 4387100; 611400, 4387400; 610400, 4388500; 609300, 4388100; 609300, 4387900; 608500, 4387700; 608500, 4389000; 607900, 4389000; 607200, 4389500; 607100, 4391000; 605700, 4392300; 605300, 4393200; 605300, 4393900; 604800, 4394600; 604600, 4395600; 604000, 4395700; 603900, 4396700; 603600, 4396800; 603600, 4398000; 602900, 4398200; 603000, 4398800; 603100, 4399000; 602600, 4399400; 602600, 4399600; 603500, 4399800; 604700, 4400200; 605100, 4399600; 606500, 4399500; 607200, 4399100; 607400, 4399100; 607700, 4398100; 607700, 4397800; 606200, 4396500; 606200, 4395800; 608300, 4396100; 610900, 4397700; 611900, 4398300; 612300, 4398300; 612600, 4398800; 612900, 4398300; 611900, 4397200; 611800, 4396600; 611100, 4395800; 609400, 4393900; 609800, 4393600; 610900, 4392400; 611300, 4392500;

611500, 4392500; 611700, 4392200; 611700, 4391900; 611100, 4391400; 611500, 4391300; 612500, 4390200; 613300, 4389600; 613300, 4388900; 614500, 4388900; 616000, 4389200; 616800, 4390700; 617200, 4390700; 618600, 4390600; 618800, 4390200; 618800, 4389700; 617800, 4388300; 617200, 4387700; 616700, 4387500; 616200, 4386300; 615500, 4385200; 616400, 4384800; 617300, 4386500; 618500, 4387700; 619500, 4387900; 620400, 4388400; 620700, 4388400; 620700, 4387200; 621300, 4387200; 621600, 4386500; 621400, 4385600; 620900, 4385500; 620600, 4384900; 620400, 4384800; 619600, 4385100; 618600, 4384500; 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; returning to 614900, 4374100.

(8) *Unit 5: Colusa and Glenn Counties, California.*

(i) From USGS 1:24,000 quadrangle maps Logandale, Maxwell, Moulton Weir, and Princeton, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 572900, 4357400; 571200, 4357400; 571200, 4358200; 570400, 4358200; 570400, 4359000; 569600, 4359000; 569500, 4360500; 569300, 4362200; 569500, 4363300; 569500, 4367200; 570000, 4367200; 569900, 4368400; 570300, 4368400; 571000, 4367600; 571000, 4367800; 570700, 4368500; 570900, 4368800; 571500, 4368800; 571900, 4368300; 571900, 4367600; 572100, 4367600; 572400, 4368100; 572400, 4368400; 572600, 4368900; 572800, 4368900; 573000, 4368100; 573400, 4368000; 573800, 4367600; 574100, 4367300; 574400, 4367200; 574500, 4366400; 574900, 4366400; 574900, 4365600; 574700, 4365500; 574400, 4364100; 575200, 4363900; 575600, 4363600; 575100, 4362400; 575600, 4361400; 575100, 4360700; 576000, 4359600; 575500, 4358900; 575700, 4358300; 575900, 4357700; 575300, 4357800; 575000, 4357700; 574700, 4357700; 573600, 4357800; 573500, 4358200; 572900, 4358200; returning to 572900, 4357400.

(9) *Unit 6: Colusa County, California.*

(i) From USGS 1:24,000 quadrangle maps Colusa and Meridian, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 589300, 4335900; 587800, 4335900; 587600, 4336100; 587300, 4336400; 587100, 4336800; 586700, 4337700; 586400, 4337700; 586400, 4336800; 586300, 4336600; 586000, 4336600; 585600,

4337200; 585600, 4337500; 585600, 4338300; 586100, 4338400; 586800, 4338900; 587000, 4338900; 587200, 4338500; 587100, 4338400; 587600, 4337800; 587700, 4337800; 588800, 4336700; 588900, 4336700; 589100, 4336900; 589300, 4336900; returning to 589300, 4335900.

(10) *Unit 7: Yuba County, California.*

(i) From USGS 1:24,000 quadrangle maps Browns Valley and Wheatland, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 636300, 4327700; 635600, 4327700; 635300, 4327800; 635300, 4328800; 634800, 4329000; 634800, 4329700; 634600, 4329900; 633800, 4329900; 633600, 4330100; 633500, 4330100; 632800, 4329700; 632700, 4328800; 631300, 4328800; 631300, 4329300; 631400, 4329300; 631400, 4330600; 632400, 4330700; 632800, 4330700; 633000, 4330900; 633000, 4331300; 633100, 4331500; 633500, 4331700; 633800, 4331500; 633800, 4332300; 631500, 4332200; 631500, 4333900; 632400, 4333900; 632400, 4335400; 633300, 4335800; 633700, 4336300; 634100, 4336400; 634900, 4336700; 635100, 4336600; 635200, 4336400; 635700, 4336400; 636000, 4336400; 636100, 4335900; 635900, 4335800; 636000, 4335200; 636500, 4335100; 637100, 4335300; 637400, 4334700; 637800, 4334700; 637700, 4333600; 638200, 4333400; 638200, 4332600; 637600, 4332600; 636900, 4332100; 636700, 4332300; 636600, 4332500; 636100, 4334000; 636700, 4334300; 636600, 4334500; 636000, 4334200; 635400, 4336000; 634500, 4336000; 634500, 4335100; 634400, 4334700; 635100, 4332600; 636000, 4330500; 636400, 4330300; 636500, 4329300; 637100, 4328800; 636900, 4327900; returning to 636300, 4327700.

(11) *Unit 8: Sacramento County, California.*

(i) From USGS 1:24,000 quadrangle maps Buffalo Creek, Carmichael, Elk Grove, Folsom SE, and Sloughhouse, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 650400, 4257200; 650200, 4257200; 650200, 4258300; 649600, 4258300; 649600, 4257400; 649400, 4257400; 649400, 4259000; 649100, 4259000; 649100, 4258500; 648500, 4258500; 648200, 4257400; 648100, 4258300; 647700, 4258600; 647700, 4258900; 648000, 4259300; 647700, 4259600; 646800, 4259200; 646500, 4258800; 646500, 4258700; 645800, 4258700; 646100, 4259000; 646100, 4260000; 646400, 4260100; 646600, 4260400; 646100, 4260800; 645300, 4261200; 645000, 4260700; 644800, 4260700; 644400,

4261400; 644400, 4262400; 643800, 4262400; 643600, 4262800; 643200, 4262800; 643200, 4263300; 643500, 4263300; 643700, 4263200; 643700, 4263800; 645200, 4263800; 645200, 4262800; 644800, 4262700; 644800, 4262300; 645300, 4262300; 645300, 4261900; 645000, 4261700; 645300, 4261500; 645400, 4261700; 646000, 4262100; 645800, 4262400; 646000, 4262700; 646400, 4262600; 646700, 4262700; 646600, 4263900; 647400, 4263900; 647600, 4263700; 647800, 4264300; 648100, 4264300; 648300, 4264100; 648600, 4264400; 647400, 4265200; 647200, 4265200; 647000, 4264500; 645900, 4264600; 645300, 4265100; 645600, 4265500; 645800, 4265600; 646000, 4266200; 646300, 4266600; 646300, 4268100; 646600, 4268400; 646600, 4268700; 646700, 4268800; 646800, 4268800; 647100, 4268400; 647100, 4268200; 646900, 4268000; 646900, 4267500; 649100, 4268900; 649300, 4269000; 649600, 4269600; 649800, 4269600; 649800, 4268700; 650400, 4269000; 650800, 4268800; 650900, 4268900; 650800, 4269200; 650300, 4269700; 650100, 4269700; 650000, 4270100; 650300, 4270200; 650600, 4270000; 650700, 4270100; 650700, 4270300; 650900, 4270400; 651200, 4270800; 652200, 4269200; 652300, 4269400; 652500, 4269700; 652400, 4270100; 652200, 4271000; 652700, 4271000; 652700, 4270500; 653100, 4270500; 653400, 4270800; 653600, 4270800; 653800, 4270400; 654400, 4270800; 654800, 4270900; 655200, 4271100; 655500, 4271100; 655800, 4270900; 656000, 4270900; 657000, 4272200; 657400, 4272200; 657700, 4272500; 658200, 4273800; 658900, 4274000; 659200, 4273700; 659400, 4273400; 659400, 4273100; 659100, 4272900; 658700, 4272900; 658500, 4272500; 658800, 4272400; 659500, 4272400; 659500, 4271500; 660300, 4271500; 661100, 4271300; 661100, 4271800; 661500, 4272400; 661700, 4272400; 661900, 4272300; 661900, 4271700; 662200, 4272200; 662200, 4272600; 662400, 4272700; 662600, 4272700; 662900, 4272400; 663300, 4272400; 663400, 4272200; 663400, 4271900; 663100, 4271700; 662600, 4271200; 662300, 4270600; 661900, 4270700; 661900, 4271000; 661600, 4271000; 661400, 4270800; 661000, 4270800; 660700, 4270300; 660600, 4270000; 660100, 4269800; 660400, 4268700; 660800, 4267700; 661200, 4268100; 661400, 4268100; 661400, 4267400; 661800, 4267400; 662100, 4266900; 662000, 4266300; 661600, 4266400; 661200, 4267200; 660900, 4267200; 660800, 4266500; 660100, 4266000; 660600, 4265800; 660900, 4266100; 661200, 4265900; 661700, 4265500; 661300, 4264900; 661700, 4264400; 661700, 4264400; 661700, 4264100; 660600, 4264400; 660600, 4264700; 660800, 4264900; 660500, 4265300; 660100, 4265200; 660300, 4264600; 659800, 4264500; 659700, 4264000; 659300, 4263900; 659100, 4263700; 658800, 4263700; 658500, 4264200; 658500, 4264400; 658000, 4265500; 657600, 4265000; 657500, 4264300; 657900, 4263900; 657700, 4263600; 657200, 4263600; 657200, 4263100; 657600, 4263000; 657700, 4262900; 657700, 4262800; 657400, 4262700; 656700, 4262700; 656500, 4262500; 656300, 4262500; 656300, 4262000; 655900, 4261800; 655800, 4261200; 656100, 4260700; 655900, 4260300; 655200, 4260700; 654900, 4260400; 653500, 4261300; 653200, 4261000; 653100, 4262300; 652800, 4262300; 652800, 4261400; 652600, 4261300; 652300, 4261400; 651700, 4261800; 651600, 4262100; 650700, 4262100; 650700, 4261800; 651100, 4261700; 651200, 4261400; 651200, 4260600; 651000, 4260400; 650400, 4260400; 650400, 4259300; 651600, 4259300; 651500, 4260900; 652000, 4260900; 652100, 4260300; 653000, 4260400; 653200, 4260300; 653900, 4260400; 654700, 4259900; 654000, 4258600; 653700, 4258600; 653000, 4259300; 652200, 4259800; 652100, 4259600; 652800, 4259100; 652800, 4258600; 652400, 4258200; 652300, 4258100; 652000, 4258100; 651400, 4258400; 650700, 4257600; returning to 650400, 4257200.

(12) *Unit 9: Amador, Sacramento, and San Joaquin counties, California.*

(i) From USGS 1:24,000 quadrangle maps Carbondale, Clay, Elk Grove, Galt, Goose Creek, Irish Hill, and Sloughhouse, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 660400, 4236800; 660300, 4236800; 660100, 4237500; 659700, 4237700; 659700, 4238100; 660200, 4238400; 659700, 4238900; 659500, 4238900; 659300, 4238100; 659000, 4238300; 658800, 4238400; 658300, 4238300; 657800, 4238300; 657100, 4239000; 657200, 4239400; 657400, 4239700; 658000, 4239900; 661500, 4239900; 661500, 4241900; 661900, 4242100; 661600, 4242400; 661000, 4242500; 660700, 4241900; 660400, 4241500; 659400, 4241500; 659400, 4241800; 659200, 4241800; 659200, 4241700; 659000, 4241600; 658700, 4241700; 658500, 4241700; 658500, 4240500; 657800, 4240400; 657000, 4240400; 657000, 4241300; 656500, 4241300; 655900, 4241600; 655100, 4241200; 654900, 4241900; 655800, 4242400; 655800, 4243100; 656200, 4243100; 656600, 4242600; 657100, 4242700; 658600, 4244000; 658600, 4244700; 659100, 4244800; 659100, 4245600; 659700, 4245600; 659800, 4245100; 659400, 4244900; 659700, 4244500; 660000, 4244500; 660100, 4243100; 661700, 4243100; 662600, 4243000; 663300, 4243300; 663000, 4243900; 662500, 4243900; 662700, 4244700; 663000, 4244900; 663100, 4245400; 664200, 4245600; 664500, 4245600; 664600, 4245200; 665000, 4245300; 664800, 4246100; 664600, 4246300; 663700, 4246500; 662500, 4246100; 662100, 4246400; 661700, 4246400; 661700, 4246800; 661900, 4247000; 661600, 4247300; 661100, 4247300; 660600, 4246900; 659900, 4246900; 659500, 4247300; 659500, 4248400; 658600, 4248400; 658600, 4246800; 658400, 4246600; 658400, 4246100; 658100, 4246000; 657400, 4246000; 657400, 4245000; 657000, 4244900; 656700, 4244800; 656400, 4245100; 656100, 4245200; 656100, 4246100; 654900, 4246600; 654900, 4245800; 655100, 4245200; 655100, 4244900; 654600, 4244900; 654600, 4244100; 654600, 4243400; 653900, 4243300; 653300, 4243500; 653400, 4244300; 652200, 4244500; 652000, 4244800; 652300, 4245200; 652800, 4245200; 653500, 4245300; 653600, 4245800; 653300, 4246000; 653300, 4247300; 653600, 4247300; 653700, 4247100; 654200, 4247100; 654600, 4247500; 654600, 4248600; 654800, 4248900; 654600, 4249100; 654500, 4249400; 653800, 4249400; 653800, 4248600; 653600, 4248400; 653300, 4248400; 653200, 4249400; 652600, 4249700; 652300, 4250100; 652300, 4251100; 652900, 4251100; 653100, 4251100; 653300, 4251200; 653100, 4251400; 653000, 4251800; 652700, 4252000; 652700, 4252300; 653100, 4252500; 653100, 4253400; 653800, 4253600; 654000, 4253200; 654100, 4253200; 654700, 4253500; 654600, 4253800; 654800, 4254000; 655400, 4253800; 655500, 4253600; 655600, 4253700; 656200, 4254000; 656400, 4253900; 657000, 4253700; 657300, 4254500; 657200, 4254900; 656700, 4255100; 656800, 4255400; 657000, 4255500; 657200, 4255500; 657400, 4255300; 657400, 4255100; 657800, 4255100; 657900, 4255800; 658100, 4255900; 658300, 4255800; 658400, 4255600; 658200, 4255300; 658200, 4255000; 658300, 4254700; 658200, 4254500; 657800, 4254500; 657800, 4254200; 658100, 4254000; 658900, 4253500; 659200, 4253600; 659900, 4254700; 660000, 4255100; 660200, 4255400; 660700, 4255400; 660800, 4256000; 660600, 4256200; 660300, 4256100; 660100, 4256000; 659500, 4256200;

659800, 4256900; 660400, 4256800;  
 660600, 4256700; 660700, 4256800;  
 660500, 4257100; 660700, 4257500;  
 660100, 4257800; 659600, 4257800;  
 659300, 4258100; 659500, 4258400;  
 659700, 4258500; 659500, 4258800;  
 659600, 4259100; 659500, 4259300;  
 659900, 4259900; 660100, 4260000;  
 660300, 4259900; 660500, 4259600;  
 660700, 4259500; 661200, 4259900;  
 661500, 4259900; 661600, 4259800;  
 661600, 4259300; 661900, 4259300;  
 662100, 4259600; 662400, 4259600;  
 662700, 4259100; 662900, 4258900;  
 663400, 4259100; 664000, 4259100;  
 664400, 4259000; 664800, 4258700;  
 665000, 4258500; 665400, 4258700;  
 665900, 4258800; 666500, 4258800;  
 666700, 4258600; 666600, 4258200;  
 666300, 4258000; 666100, 4257400;  
 666000, 4257300; 666000, 4257000;  
 666400, 4257000; 666500, 4257600;  
 666800, 4257600; 666900, 4257400;  
 666900, 4257100; 666700, 4256900;  
 666800, 4256700; 666700, 4256300;  
 666600, 4256100; 667200, 4256100;  
 667400, 4256300; 667600, 4256300;  
 667800, 4256100; 667900, 4256300;  
 668100, 4256300; 668400, 4255900;  
 668600, 4255900; 668800, 4256200;  
 669100, 4256400; 669400, 4256600;  
 669500, 4256800; 669200, 4257300;  
 669200, 4257900; 668800, 4258100;  
 668700, 4258600; 668500, 4258600;  
 668000, 4258700; 667900, 4258900;  
 668100, 4259200; 668500, 4259200;  
 668800, 4258900; 669700, 4259700;  
 670000, 4259800; 669700, 4260200;  
 669800, 4260400; 670000, 4260500;  
 670200, 4260400; 670700, 4260600;  
 671200, 4260500; 671500, 4260700;  
 671700, 4260700; 671800, 4260200;  
 671700, 4259800; 671400, 4259800;  
 671200, 4260200; 670900, 4259900;  
 671000, 4259600; 671000, 4259200;  
 670700, 4259000; 670700, 4258800;  
 670800, 4258600; 670600, 4258300;  
 669500, 4258000; 669700, 4257800;  
 670000, 4257400; 670100, 4257200;  
 670300, 4257200; 670400, 4257000;  
 670300, 4256600; 670400, 4256500;  
 671000, 4256800; 671500, 4256800;  
 671700, 4256900; 672000, 4256900;  
 672200, 4256600; 672200, 4256400;  
 673000, 4256700; 673400, 4256600;  
 673600, 4256500; 673700, 4256200;  
 673600, 4255800; 673400, 4255400;  
 673300, 4255100; 673800, 4255100;  
 674000, 4255000; 674200, 4254700;  
 674300, 4254400; 674700, 4254100;  
 674800, 4253800; 674700, 4253600;  
 674300, 4253300; 674600, 4252200;  
 674700, 4251800; 674600, 4251500;  
 674100, 4251300; 673700, 4251300;  
 674100, 4251000; 674200, 4250400;  
 674500, 4250000; 674400, 4249600;  
 674100, 4249500; 673700, 4249600;  
 673400, 4249700; 673100, 4249600;

672300, 4249800; 672000, 4250000;  
 671500, 4249700; 671200, 4249700;  
 670800, 4249300; 670800, 4249000;  
 671100, 4248800; 671100, 4248500;  
 670800, 4248200; 670400, 4248100;  
 670400, 4247700; 671200, 4247700;  
 671600, 4247900; 671900, 4247800;  
 672000, 4247600; 672500, 4247600;  
 672500, 4247200; 672000, 4246600;  
 671600, 4246600; 671800, 4246000;  
 671200, 4245300; 672200, 4245100;  
 672400, 4244600; 672600, 4244300;  
 672600, 4244100; 672000, 4243900;  
 671600, 4243700; 670900, 4243600;  
 671100, 4243200; 671700, 4243100;  
 671700, 4242700; 670700, 4242100;  
 669800, 4242100; 669300, 4241800;  
 668800, 4241800; 668600, 4241500;  
 668200, 4241700; 668000, 4242000;  
 667000, 4241300; 666800, 4240700;  
 666500, 4240100; 666200, 4239900;  
 664700, 4239800; 664600, 4239600;  
 664600, 4238900; 663900, 4238500;  
 663800, 4238500; 662800, 4237400;  
 662400, 4237500; 662000, 4237900;  
 661900, 4237900; 661800, 4237400;  
 661500, 4237200; 660900, 4237200;  
 returning to 660400, 4236800.

(13) *Unit 10: Yolo County, California.*

(i) 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, 4262400; 615400, 4262400; returning to 615400, 4260700.

(14) *Unit 11: Solano County, California.*

(i) From USGS 1:24,000 quadrangle maps Birds Landing, Denverton, Dozier, Elmira, Fairfield North Fairfield South, Liberty Island, and Rio Vista, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 596500, 4224300; 596200, 4224400; 595700, 4224600; 595700, 4224800; 596000, 4225800; 596300, 4226800; 596200, 4227000; 596100, 4227600; 595800, 4227700; 595600, 4228300; 595400, 4228700; 595500, 4229200; 595500, 4229600; 595700, 4229900; 595700, 4230600; 594500, 4231200; 593800, 4231200; 593600, 4230500; 594200, 4230100; 594400, 4228900; 594400, 4228400; 594000, 4228200; 593400, 4227700; 592600, 4227700; 591400, 4226900; 590900, 4226800; 590300, 4227100; 589500, 4227200; 589000, 4227100; 587500, 4227700; 586800, 4228000; 586400, 4228800; 586000, 4229000; 585700, 4229300; 584900, 4229300; 584700, 4229500; 584600, 4230300; 584800, 4230700; 585200, 4230800; 585600, 4231400; 587400, 4231300; 587600, 4231500; 587800, 4231500; 589000, 4231200; 589100, 4231300; 589100, 4231700; 588600,

4231600; 588200, 4231800; 587800, 4231700; 587100, 4231900; 586600, 4232600; 586300, 4232600; 586000, 4232200; 585600, 4232200; 585000, 4232500; 584900, 4233000; 584500, 4233000; 584500, 4233400; 584000, 4233300; 584200, 4233700; 584500, 4233900; 584500, 4233800; 584600, 4233800; 584700, 4233700; 584700, 4233600; 584900, 4233600; 584900, 4233400; 585700, 4233300; 585700, 4233000; 586100, 4233000; 586200, 4233100; 586400, 4233100; 586500, 4233000; 586800, 4233000; 586900, 4233000; 587100, 4232900; 587100, 4232800; 587300, 4232700; 587600, 4232500; 588600, 4232500; 588600, 4232800; 588400, 4233000; 588600, 4233300; 588700, 4233500; 589300, 4233500; 590600, 4233500; 591200, 4232900; 592900, 4234300; 593900, 4235300; 594000, 4235100; 594200, 4235000; 594800, 4235400; 594500, 4235700; 596500, 4237600; 596300, 4237800; 594300, 4235900; 594000, 4236300; 594500, 4236700; 594100, 4237400; 593500, 4237400; 593500, 4238200; 592600, 4238200; 592600, 4237500; 591200, 4237800; 590100, 4237800; 590100, 4236600; 590400, 4236600; 590400, 4235900; 590700, 4235500; 590700, 4234200; 590500, 4234100; 589400, 4234000; 589000, 4234400; 588500, 4234400; 588500, 4236400; 588400, 4236300; 588200, 4236200; 588000, 4236400; 587700, 4236500; 586900, 4236500; 586900, 4237200; 587000, 4237300; 586800, 4237300; 586800, 4238100; 586100, 4238700; 585600, 4238700; 585600, 4239100; 586100, 4239200; 587800, 4239200; 588100, 4239600; 588300, 4239600; 588700, 4239800; 589200, 4240000; 589500, 4240600; 589500, 4240900; 589100, 4241400; 590100, 4241400; 590600, 4241400; 590800, 4241600; 591100, 4241600; 591100, 4241300; 591600, 4241300; 591600, 4242600; 591700, 4242900; 592200, 4242900; 592200, 4243100; 592400, 4243200; 592700, 4243200; 592700, 4243600; 592900, 4243600; 593300, 4243800; 593700, 4243000; 595000, 4243000; 595400, 4242100; 595400, 4241600; 598600, 4241600; 598600, 4242500; 599400, 4242500; 599200, 4244200; 599500, 4244500; 600400, 4244500; 600700, 4244300; 600700, 4244000; 603400, 4244000; 603500, 4244000; 603900, 4243300; 604000, 4243200; 604000, 4242600; 604700, 4241400; 605600, 4240800; 606200, 4240800; 606300, 4240600; 606300, 4239700; 606500, 4239600; 607100, 4239000; 607700, 4239000; 609300, 4239700; 609500, 4239700; 610300, 4239200; 610700, 4238900; 610700,



4236200; 610800, 4232600; 610900, 4232500; 610900, 4229500; 610500, 4228200; 611000, 4228000; 611900, 4228000; 612400, 4228400; 612800, 4228600; 613100, 4228600; 613400, 4228200; 612900, 4227800; 612500, 4227300; 611900, 4227100; 611000, 4227100; 610700, 4227400; 610100, 4227200; 609800, 4226500; 608100, 4226000; 602900, 4225600; 600600, 4225400; 599000, 4225300; 597600, 4226000; 597500, 4225900; 597500, 4225100; 597100, 4224900; 596700, 4224900; 596700, 4224400; returning to 596500, 4224300.

(15) *Unit 12*: Solano County, California.

(i) From USGS 1:24,000 quadrangle maps Antioch North and Honker Bay, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 600900, 4215500; 599300, 4215500; 598400, 4216900; 598316, 6875000; 4217900; 598400, 4217900; 598800, 4218100; 598800, 4218600; 599000, 4219000; 599200, 4219300; 599400, 4219500; 600600, 4216900; returning to 600900, 4215500.

(16) *Unit 13*: Stanislaus County, California.

(i) From USGS 1:24,000 quadrangle maps Knights Ferry, Oakdale, Paulsell, and Waterford, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 702000, 4169700; 700400, 4169700; 700100, 4169800; 700100, 4170700; 699500, 4171100; 698500, 4171200; 698500, 4172000; 697800, 4172300; 697100, 4171200; 696000, 4171200; 694000, 4171200; 694000, 4172100; 694500, 4172100; 694500, 4174500; 696300, 4174500; 696300, 4175300; 697300, 4175300; 697300, 4176200; 697700, 4176200; 697700, 4179300; 696600, 4179300; 696400, 4180000; 695800, 4180000; 695500, 4179500; 695000, 4179300; 694400, 4179300; 694400, 4179800; 694800, 4180400; 694500, 4180800; 694500, 4181000; 694900, 4181400; 694500, 4181600; 694500, 4181900; 695100, 4182200; 696100, 4182200; 696200, 4181800; 695700, 4181600; 696300, 4180500; 697000, 4180100; 697400, 4180100; 697600, 4180400; 697600, 4182600; 700300, 4182600; 700300, 4183400; 699400, 4183400; 699400, 4184100; 700800, 4185100; 704100, 4186300; 705300, 4187700; 705700, 4187700; 706500, 4187700; 706200, 4186800; 705600, 4185900; 706800, 4184600; 705500, 4183800; 705000, 4183100; 704800, 4181800; 701800, 4181800; 701800, 4181500; 701500, 4181100; 702000, 4179500; 703200, 4179500; 702900, 4178300; 703400, 4177000; 703400, 4176200; 702000, 4176200; 702000, 4175100; 701600, 4175100; 701600, 4174200;

702100, 4173600; 701200, 4171800; 702000, 4171800; returning to 702000, 4169700.

(17) *Unit 14*: Alameda County, California.

(i) From USGS 1:24,000 quadrangle maps Milpitas and Niles, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 591200, 4148600; 590700, 4148600; 590300, 4149100; 589300, 4150400; 589700, 4150600; 590500, 4150200; 590600, 4150400; 590400, 4150500; 590500, 4150600; 590700, 4150500; 590900, 4150700; 590400, 4151200; 591100, 4151600; 591300, 4151600; 591400, 4151500; 591400, 4151400; 591300, 4151100; 591500, 4150900; 591600, 4150700; 591800, 4150700; 592000, 4150900; 592300, 4150600; 592300, 4150400; 592200, 4150000; 592100, 4149600; 592000, 4149500; 591600, 4149500; 591600, 4148800; returning to 591200, 4148600.

(18) *Unit 15*: Madera, Mariposa, and Merced Counties, California.

(i) From USGS 1:24,000 quadrangle maps Haystack Mtn., Illinois Hill, Indian Gulch, Le Grand, Merced, Merced Falls, Owens Reservoir, Plainsburg, Planada, Raynor Creek, Snelling, Winton, and Yosemite Lake, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 751800, 4114900; 751600, 4115400; 752000, 4115800; 751900, 4116000; 751400, 4116100; 751100, 4116300; 751100, 4116700; 750700, 4116700; 749900, 4116500; 744700, 4116500; 744600, 4117600; 743600, 4117800; 743300, 4118600; 742800, 4118600; 742800, 4118900; 742300, 4119000; 742300, 4119800; 742900, 4119900; 743300, 4120600; 745500, 4120700; 745800, 4121600; 745400, 4121600; 745400, 4121800; 746100, 4121800; 746200, 4122200; 747500, 4122400; 747500, 4123900; 747000, 4124700; 746900, 4125100; 743600, 4125000; 743600, 4127000; 742700, 4127000; 742600, 4126600; 742300, 4126300; 741700, 4126300; 741200, 4126800; 741200, 4128600; 740400, 4128600; 740400, 4130300; 739000, 4130300; 739000, 4130600; 738400, 4131100; 737500, 4131200; 737800, 4131700; 737700, 4132600; 737700, 4132900; 737100, 4132900; 737100, 4133400; 738100, 4133600; 738300, 4133600; 738800, 4133500; 741000, 4133500; 741000, 4133900; 741900, 4133900; 741800, 4135800; 741028, 4135800; 741000, 4135800; thence north to x-coordinate 741000 on Bear Creek; thence southwest along Bear Creek to y-coordinate 4133300; thence west to 734700, 4133300; 734700, 4133700; 734100, 4133900; 733100, 4133900; 733100, 4134600; 732700, 4134600;

732600, 4135000; 732300, 4135500; 730300, 4135400; 729900, 4135700; 729900, 4136500; 726500, 4136500; 726400, 4136100; 725900, 4136100; 725900, 4135300; 725600, 4135100; 725500, 4135100; 725300, 4135500; 725100, 4135400; 725000, 4135400; 725000, 4135600; 724800, 4135700; 724600, 4135700; 724600, 4134700; 724200, 4134700; 724200, 4135500; 723400, 4135500; 723400, 4135600; 722800, 4135600; 722800, 4135000; 722600, 4135000; 722600, 4134700; 722500, 4134700; 722200, 4137900; 722800, 4137900; 722800, 4139300; 721900, 4139300; 721900, 4140200; 721000, 4140200; 721000, 4140900; 717800, 4140900; 717700, 4142400; 714500, 4142400; 714500, 4144900; 715500, 4144900; 715500, 4145700; 717000, 4145800; 718000, 4145400; 718200, 4145900; 718200, 4147600; 719700, 4148400; 720600, 4148600; 720600, 4149200; 719600, 4149200; 719600, 4149800; 720300, 4149800; 721300, 4150700; 721700, 4150700; 724400, 4153300; 725000, 4153500; 725500, 4154200; 725800, 4154800; 727200, 4155900; 727800, 4155900; 728500, 4155600; 730200, 4155600; 731600, 4155500; 732400, 4155400; 732600, 4155200; 733200, 4154700; 734100, 4154900; 734600, 4154800; 735600, 4156000; 735900, 4156000; 737100, 4155400; 737800, 4155000; 738200, 4154200; 738300, 4153300; 739000, 4152800; 739100, 4152200; 740200, 4151800; 740800, 4151500; 740800, 4150300; 741100, 4149900; 741700, 4149400; 742100, 4148500; 742100, 4147100; 743400, 4146100; 744000, 4145600; 744400, 4144600; 744300, 4143900; 743900, 4142700; 744000, 4142000; 744200, 4141700; 745500, 4140300; 746100, 4139500; 746800, 4138500; 747700, 4137700; 748500, 4135800; 748700, 4135100; 749500, 4134000; 750700, 4131700; 751600, 4130500; 752000, 4130200; 752800, 4130100; 753300, 4130400; 753500, 4130400; 753900, 4130200; 754000, 4129300; 753400, 4128400; 753900, 4127700; 754400, 4127700; 754600, 4127400; 755300, 4128400; 755400, 4128400; 755600, 4127700; 756900, 4126400; 757800, 4125800; 758400, 4126300; 758500, 4126300; 758600, 4126000; 757900, 4125100; 757400, 4125100; 757800, 4124400; 757800, 4124000; 758200, 4124000; 758500, 4123600; 758800, 4123600; 759000, 4123900; 759300, 4123900; 759700, 4123500; 759700, 4123400; 759200, 4122900; 760300, 4121300; 761000, 4121000; 761300, 4120300; 762100, 4119500; thence south to x-coordinate 762100 on the Chowchilla River; thence southwest along the

Chowchilla River to Ash Slough; thence southwest along Ash Slough to y-coordinate 4114900; thence west to the point of beginning at 751800, 4114900.

(19) *Unit 16*: Merced County, California.

(i) From USGS 1:24,000 quadrangle maps Arena, Atwater, El Nido, Gustine, Ingomar, Los Banos, Plainsburg, San Luis Ranch, Sandy Mush, Stevinson, and Turner Ranch, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 697300, 4104500; 696100, 4104500; 695700, 4105000; 695700, 4106600; 694700, 4107900; 693500, 4107900; 693700, 4109100; 692900, 4109100; 692900, 4109800; 693100, 4110200; 693800, 4110200; 693800, 4111800; 692500, 4111800; 692400, 4110600; 691800, 4110600; 691600, 4110200; 690800, 4110300; 690000, 4110300; 690000, 4111400; 689700, 4111800; 689200, 4111800; 689200, 4111300; 688400, 4111300; 688400, 4112100; 686700, 4112100; 686500, 4112900; 686500, 4113700; 686000, 4113700; 686000, 4116100; 684500, 4116100; 684400, 4114200; 682200, 4114200; 682100, 4113000; 681100, 4113000; 681100, 4111800; 680600, 4111700; 679600, 4110900; 678800, 4110900; 678200, 4111800; 678300, 4113600; 677900, 4114400; 679400, 4114400; 679400, 4115200; 680000, 4115200; 680300, 4116000; 681800, 4116100; 682800, 4116600; 683600, 4116500; 683600, 4117100; 681200, 4117100; 681000, 4124500; 680800, 4124900; 679800, 4124900; 679800, 4125700; 680700, 4125700; 680600, 4126400; 680300, 4126700; 680300, 4127200; 678900, 4127800; 679000, 4129000; 679300, 4129200; 680100, 4129400; 679700, 4130700; 679400, 4130200; 678600, 4130200; 678000, 4131200; 678500, 4132100; 678800, 4132400; 679000, 4131800; 679200, 4131800; 680200, 4132200; 680700, 4131700; 681600, 4132800; 681200, 4133100; 681200, 4133600; 681600, 4134100; 681700, 4134200; 681900, 4134200; 682300, 4134000; 682700, 4133800; 683400, 4133100; 683600, 4132600; 683600, 4132300; 683100, 4131800; 683100, 4131500; 683400, 4131500; 684300, 4130400; 684700, 4130000; 685500, 4130700; 686000, 4130700; 686200, 4130900; 686400, 4130900; 688800, 4131400; 690300, 4131400; 690500, 4130600; 691600, 4130600; 691600, 4130000; 692900, 4130000; 692800, 4131700; 692400, 4131800; 692400, 4133500; 693000, 4133000; 694400, 4133100; 694400, 4132000; 693700, 4132000; 693700, 4129800; 695200, 4129800; 695200, 4130300; 695700, 4130300; 695900, 4130000; 696100, 4129500; 696100, 4129100; 696900, 4129100;

696900, 4130200; 697200, 4130200; 698300, 4128600; 698600, 4128200; 700100, 4127600; 700500, 4129200; 700500, 4130600; 701700, 4130600; 701800, 4129200; 703300, 4129200; 703300, 4128800; 703900, 4128800; 703900, 4129000; 704200, 4129000; 705600, 4128500; 705600, 4127800; 705300, 4127000; 705400, 4126200; 705900, 4125700; 706800, 4125400; 707200, 4125400; 707900, 4126100; 708300, 4126100; 708300, 4125400; 709100, 4125400; 709900, 4125700; 709900, 4126000; 710200, 4126200; 711500, 4126200; 711500, 4124600; 708000, 4124500; 706700, 4124500; 706700, 4122100; 711500, 4122200; 711500, 4121700; 712100, 4121400; 715600, 4121500; 715600, 4121100; 715300, 4121100; 714800, 4120600; 714800, 4119900; 716400, 4119900; 716400, 4119300; 715600, 4119300; 715600, 4118200; 718900, 4118300; 718900, 4118900; 718100, 4118900; 717700, 4119100; 717700, 4119900; 718100, 4119900; 718100, 4120800; 717000, 4120800; 717000, 4121600; 719300, 4121600; 719600, 4121700; 719600, 4123200; 718000, 4123200; 718000, 4124000; 722200, 4124000; 722200, 4123300; 721500, 4123300; 721500, 4122500; 722900, 4122500; 722900, 4121600; 722900, 4121200; 721300, 4121200; 721300, 4120300; 722900, 4120300; 722900, 4118500; 726100, 4118600; 726100, 4120100; 726900, 4120400; 728500, 4120400; 728500, 4121400; 730700, 4121800; 730900, 4122700; 731700, 4122700; 731700, 4123100; 732500, 4123100; 732600, 4121400; 735000, 4121100; 735300, 4120300; 733400, 4120300; 733400, 4118700; 731700, 4118700; 731700, 4117000; 730400, 4117000; 730400, 4118600; 727700, 4118600; 727500, 4118400; 727500, 4116900; 726800, 4116900; 726800, 4115300; 725900, 4115300; 725900, 4116900; 724300, 4116900; 724300, 4117600; 722600, 4117500; 722600, 4117600; 721800, 4117600; 721800, 4118400; 720200, 4118400; 720200, 4117600; 719400, 4117600; 719500, 4115900; 714600, 4115800; 714600, 4115000; 712200, 4115000; 711600, 4115500; 710600, 4116000; 709600, 4116500; 707300, 4116500; 707300, 4118100; 705000, 4118100; 704500, 4119600; 699400, 4119500; 699300, 4118700; 698800, 4118700; 698500, 4118500; 698200, 4117700; 697600, 4117700; 697800, 4116500; 693700, 4116200; 694200, 4115100; 694400, 4114600; 694800, 4114600; 695000, 4115100; 695800, 4115100; 696300, 4114300; 697600, 4114200; 697900, 4113900; 697900, 4113100; 698900, 4112500; 698800, 4109800; 695700, 4109800;

695700, 4109000; 697300, 4109000; 697300, 4108100; 696400, 4108100; 696400, 4107300; 696700, 4106600; 697600, 4106600; 698200, 4105800; 698200, 4105300; returning to 697300, 4104500.

(20) *Unit 17*: Fresno County, California.

(i) 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; 270900, 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.

(21) *Subunit 18A*: Kings and Tulare Counties, California.

(i) From USGS 1:24,000 quadrangle maps Burris Park, Monson, Remnoy, and Traver, California, land bounded by the following UTM 11 NAD 83 coordinates (E, N): 274700, 4028100; 274700, 4029800; 275600, 4029800; 276100, 4030400; 276400, 4030600; 276800, 4031400; 277500, 4031500; 278200, 4031900; 279500, 4031800; 279000, 4032900; 280500, 4032900; 281400, 4033300; 281800, 4033200; 283000, 4034300; 283800, 4034400; 284700, 4035200; 286800, 4035100; 288500, 4035100; 288500, 4035600; 287700, 4035700; 287700, 4036700; 289300, 4036700; 289400, 4037400; 291100, 4037400; 291100, 4037200; 291800, 4037200; 291900, 4036800; 291900, 4035600; 292700, 4035800; 292700, 4036500; 293500, 4036400; 293500, 4036000; 294300, 4036000; 294300, 4036600; 293400, 4034000; 292600, 4034000; 292600, 4035400; 291900, 4035400; 291700, 4035400; 291700, 4035600; 290500, 4035700; 290500, 4036100; 289800, 4036100; 289800, 4035700; 289400, 4034500; 288500, 4034500; 288500, 4034200; 287700, 4034200; 287700, 4034500; 287000, 4034600; 287000, 4034300;

285000, 4034400; 285000, 4033800;  
283100, 4033800; 283100, 4033100;  
282600, 4033100; 282600, 4032600;  
282200, 4032600; 282100, 4031800;  
282100, 4031100; 280100, 4031100;  
280100, 4030800; 279000, 4030600;  
278700, 4030500; 278500, 4030100;  
278100, 4030000; 276400, 4030100;  
275700, 4029600; 275500, 4029200;  
275300, 4028600; 275000, 4028300;  
returning to 274700, 4028100.

(22) *Subunit 18B*: Tulare County,  
California.

(i) From USGS 1:24,000 quadrangle  
map Monson, California, land bounded  
by the following UTM 11 NAD 83  
coordinates (E, N): 297500, 4035500;  
296700, 4035500; 296700, 4036300;  
297500, 4036300; returning to 297500,  
4035500.

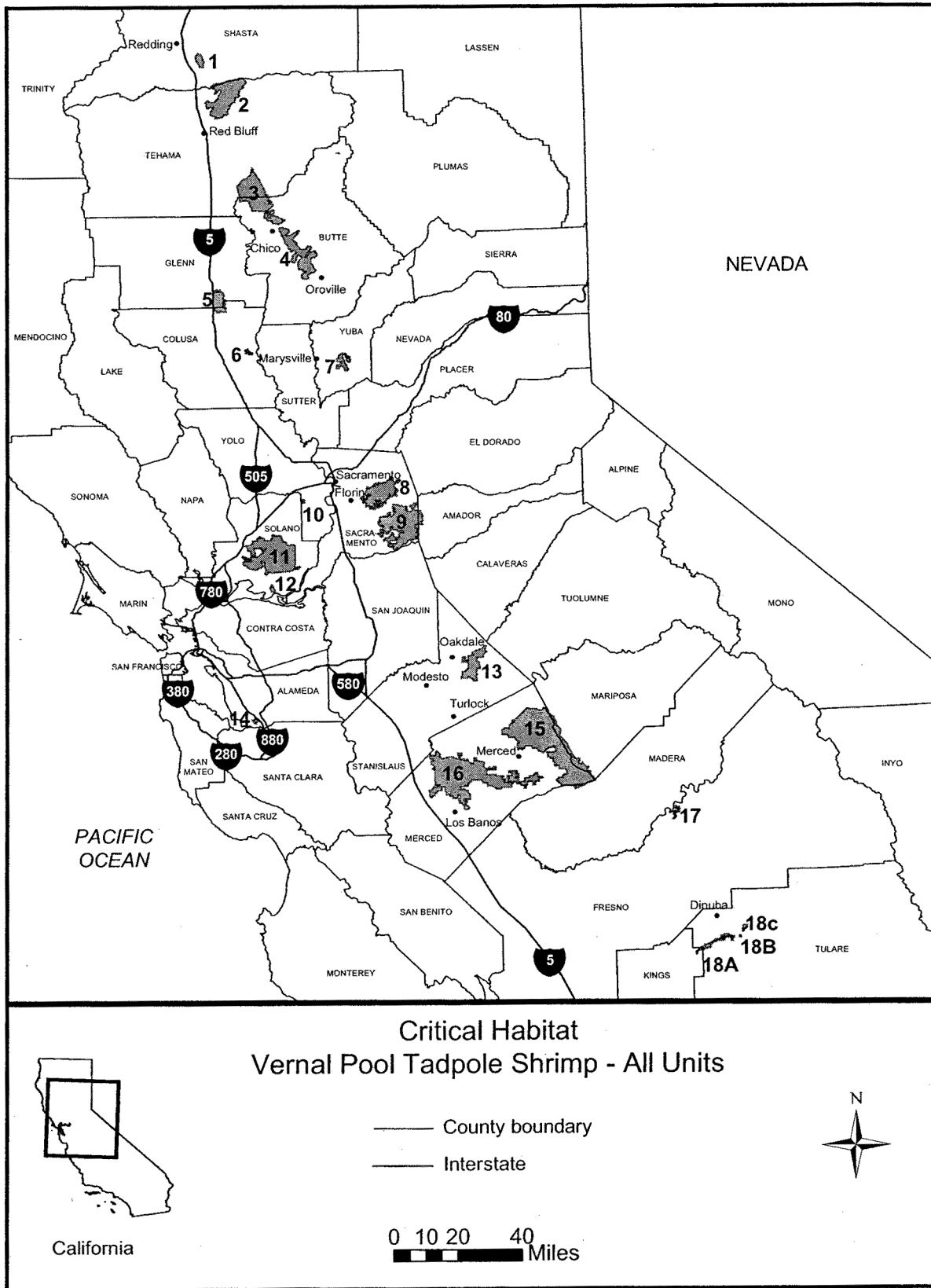
(23) *Subunit 18C*: Tulare County,  
California.

(i) From USGS 1:24,000 quadrangle  
map Ivanhoe, California, land bounded  
by the following UTM 11 NAD 83  
coordinates (E, N): 299200, 4038200;

298500, 4038200; 298400, 4038200;  
298400, 4038700; 298400, 4039500;  
298500, 4039800; 298900, 4039900;  
298900, 4041500; 300900, 4041500;  
300900, 4040100; 300300, 4040100;  
300300, 4039400; 299200, 4039400;  
returning to 299200, 4038200.

(24) Map follows of all critical habitat  
units for vernal pool tadpool shrimp  
(*Lepidurus packardii*).

**BILLING CODE 4310-55-P**



BILLING CODE 4310-55-C

5. In § 17.96 add critical habitat for *Castilleja campestris* ssp. *succulenta* (succulent (or fleshy) owl's-clover),

*Chamaesyce hooveri* (Hoover's spurge), *Lasthenia conjugens* (Contra Costa goldfields), *Limnanthes floccosa* ssp.

*californica* (Butte County meadowfoam), *Neostapfia colusana* (Colusa grass), *Orcuttia inaequalis* (San Joaquin Valley

Orcutt grass), *Orcuttia pilosa* (hairy Orcutt grass), *Orcuttia tenuis* (slender Orcutt grass), *Orcuttia viscida* (Sacramento Orcutt grass), *Tuctoria greenei* (Greene's tuctoria), and *Tuctoria mucronata* (Solano grass) under paragraph (a) by adding entries for these species in alphabetical order by family under Asteraceae, Euphorbiaceae, Limnanthaceae, Poaceae, and Scrophulariaceae, (respectively) to read as follows:

**§ 17.96 Critical habitat—plants.**

(a) Flowering Plants

\* \* \* \* \*

Family Asteraceae: *Lasthenia conjugens* (Contra Costa Goldfields).

(1) Critical habitat units are depicted for Mendocino, Napa, Solano, Contra Costa, Alameda, Santa Clara and Monterey counties, California, on the map below.

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

(i) Vernal pools, swales, moist flats, and other ephemeral wetlands and depressions of appropriate sizes and depths and the adjacent upland margins of these depressions that sustain *Lasthenia conjugens* germination, growth and reproduction, including, but not limited to, vernal pools on clay soils from a variety of soils series, rock outcrop pools on basalt flows, and vernal pools in saline alkaline transition zones with tidal marsh habitats. All of 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 *Lasthenia conjugens* germination, growth and reproduction, and dispersal, but not necessarily every year.

(3) Critical habitat does not include existing man-made 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) *Unit 1*: Mendocino County, California.

(i) From USGS 1:24,000 quadrangle map Point Arena, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 441000, 4310900; 440700, 4310900; 440500, 4311100; 440200, 4311100; 440000, 4311300; 439500, 4311000; 438900, 4311000; 438500, 4311400; 438500, 4311800; 438500, 4312500; 438500, 4312700; 438700, 4313000; 439000, 4313100; 439100, 4313500; 439300, 4313900; 439500, 4314000; 439800, 4313900; 440100, 4314000; 441000, 4314000; 441200, 4314200; 441300, 4314200; 441600, 4313700; 441700, 4313500; 442200, 4313400; 442500, 4313300; 442900, 4312800; 443200, 4312300; 443300, 4312000; 443300, 4311800; 442500, 4311800; 442400, 4312000; 442200, 4312000; 441300, 4311000; returning to 441000, 4310900.

(5) *Unit 2*: Napa County, California.

(i) From USGS 1:24,000 quadrangle maps Capell Valley and Yountville, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 567300, 4248100; 567200, 4248300; 567000, 4249800; 566700, 4250000; 566400, 4250300; 566100, 4250400; 566000, 4250500; 565500, 4250500; 565100, 4250500; 565100, 4250800; 565400, 4251200; 566000, 4251800; 566600, 4251600; 566800, 4250900; 567300, 4250500; 568100, 4250500; 568300, 4250100; 568100, 4250000; 568400, 4249400; 568500, 4249300; 568300, 4249100; 567800, 4249000; 567500, 4248900; 567400, 4248600; returning to 567300, 4248100.

(6) *Unit 3*: Napa County, California.

(i) From USGS 1:24,000 quadrangle maps Cuttings Wharf and Napa, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 564800, 4232000; 564500, 4232300; 564200, 4232600; 563800, 4233000; 563800, 4233600; 563800, 4235100; 563700, 4235200; 563900, 4235300; 564200, 4235400; 564400, 4235300; 564500, 4235100; 564800, 4235000; 564800, 4233300; returning to 564800, 4232000.

(7) *Unit 4*: Solano County, California.

(i) From USGS 1:24,000 quadrangle maps Denverton, Elmira, Fairfield North, and Fairfield South, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 593600, 4230500; 589300, 4230700; 589000, 4231200; 589100, 4231300; 589100, 4231700; 588600, 4231600; 588200, 4231800; 587800, 4231700; 587100, 4231900; 587000, 4232000; 587000, 4232900; 587100, 4232900; 587100, 4232800; 587300, 4232700; 587600, 4232500; 588600, 4232500; 588600, 4232800; 588400, 4233000; 588600,

4233300; 588700, 4233500; 589300, 4233500; 589400, 4233600; 589400, 4234000; 589000, 4234400; 588500, 4236400; 588400, 4236400; 588400, 4236300; 588200, 4236200; 588000, 4236400; 587700, 4236500; 586900, 4236500; 586900, 4237200; 587000, 4237300; 586800, 4237300; 586800, 4238100; 586100, 4238700; 585600, 4238700; 585600, 4238800; 586100, 4239100; 586100, 4239200; 587800, 4239200; 588100, 4239600; 588300, 4239600; 588700, 4239800; 589200, 4240000; 589500, 4240600; 589500, 4240900; 589100, 4241400; 590100, 4241400; 590600, 4241400; 590800, 4241600; 591100, 4241600; 591100, 4241300; 591600, 4241300; 591600, 4242600; 591700, 4242900; 592200, 4242900; 592200, 4243100; 592400, 4243200; 592700, 4243200; 592700, 4243600; 592900, 4243600; 593200, 4243600; 593400, 4242700; 593400, 4240100; 594000, 4240100; 594300, 4239900; 594300, 4238400; 595000, 4238400; 595300, 4238100; 595400, 4237400; 596000, 4236600; 596000, 4236300; 595600, 4235500; 595100, 4234900; 595600, 4233800; 595500, 4232900; 596100, 4232100; 596600, 4231900; 596600, 4231300; 595700, 4230600; 594500, 4231200; 593800, 4231200; returning to 593600, 4230500.

(8) *Subunit 5A*: Solano County, California.

(i) From USGS 1:24,000 quadrangle map Fairfield South, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 577900, 4229100; 577300, 4229400; 577200, 4229800; 577400, 4230000; 577600, 4229800; 577600, 4229700; 577700, 4229600; 578100, 4229800; 578100, 4229700; returning to 577900, 4229100.

(9) *Subunit 5B*: Solano County, California.

(i) From USGS 1:24,000 quadrangle map Fairfield South, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 581900, 4230400; 581700, 4230400; 581700, 4231100; 581800, 4231100; 581800, 4231600; 581300, 4231600; 581300, 4232500; 581100, 4232700; 581100, 4232900; 581900, 4232900; 582100, 4233000; 582300, 4233100; 582800, 4233100; 583100, 4233300; 583800, 4233300; 583700, 4232900; 583100, 4231900; 582700, 4231800; 582400, 4231500; 582300, 4230700; 582000, 4230700; returning to 581900, 4230400.

(10) *Unit 6*: Contra Costa County, California

(i) From USGS 1:24,000 quadrangle maps Benicia and Mare Island, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 569200, 4206400; 569000,

4206400; 567500, 4207100; 567200, 4207100; 566600, 4207700; 566400, 4207500; 565900, 4207400; 565700, 4207700; 566500, 4208600; 567000, 4208600; 567500, 4207800; 567900, 4207400; 568200, 4207200; 568500, 4207100; 568900, 4207000; 569200, 4206600; returning to 569200, 4206400.

(11) *Unit 7*: Contra Costa County, California.

(i) From USGS 1:24,000 quadrangle maps Byron Hot Springs and Clifton Court Forebay, California, land bounded by the following UTM 10 NAD 83

coordinates (E, N): 620500, 4185200; 620200, 4185300; 620200, 4185500; 620000, 4185900; 620000, 4186100; 620500, 4186100; 620700, 4186200; 620700, 4186600; 620200, 4186800; 620100, 4186900; 620000, 4186800; 619900, 4186600; 619900, 4186400; 619800, 4186300; 619600, 4186400; 619500, 4186300; 619600, 4186100; 619600, 4185700; 619400, 4185700; 618200, 4186600; 618100, 4187100; 617700, 4187400; 617800, 4187900; 618400, 4187900; 618400, 4187500; 619000, 4186900; 619400, 4186700; 619500, 4186900; 619500, 4189200; 619300, 4189400; 619400, 4189600; 619000, 4189700; 618700, 4189400; 618500, 4189000; 617800, 4188900; 617700, 4188800; 617400, 4189000; 617400, 4189200; 618200, 4189500; 618100, 4189800; 618200, 4190100; 618700, 4190300; 618700, 4190700; 619000, 4191000; 619300, 4191100; 619600, 4191100; 619800, 4190700; 619900, 4190700; 620100, 4190900; 620400, 4190900; 620500, 4191300; 621800, 4191300; 622200, 4190700; 622300, 4190400; 621200, 4190400; 621200, 4188700; 620900, 4188700; 620600, 4188400; 620400, 4188600;

620400, 4188100; 620500, 4187900; 620600, 4187800; 620700, 4187700; 620900, 4187700; 621100, 4187500; 620500, 4187100; 620500, 4186900; 621300, 4187300; 621700, 4187100; 621800, 4186900; 621600, 4186200; 621600, 4186000; 621800, 4185900; 621900, 4186100; 621800, 4186500; 621900, 4186600; 622100, 4186600; 622200, 4186400; 622300, 4186200; 622500, 4186000; 622700, 4185700; 622300, 4185300; 621200, 4185300; 621200, 4185700; 621300, 4186000; 621100, 4186100; 620500, 4185900; 620600, 4185400; returning to 620500, 4185200.

(12) *Unit 8*: Alameda County, California.

(i) From USGS 1:24,000 quadrangle maps Milpitas and Niles, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 591200, 4148600; 590700, 4148600; 590300, 4149100; 589300, 4150400; 589700, 4150600; 590500, 4150200; 590600, 4150400; 590400, 4150500; 590500, 4150600; 590700, 4150500; 590900, 4150700; 590400, 4151200; 591100, 4151600; 591300, 4151600; 591400, 4151500; 591400, 4151400; 591300, 4151100; 591500, 4150900; 591600, 4150700; 591800, 4150700; 592000, 4150900; 592300, 4150600; 592300, 4150400; 592200, 4150000; 592100, 4149600; 592000, 4149500; 591600, 4149500; 591600, 4148800; returning to 591200, 4148600.

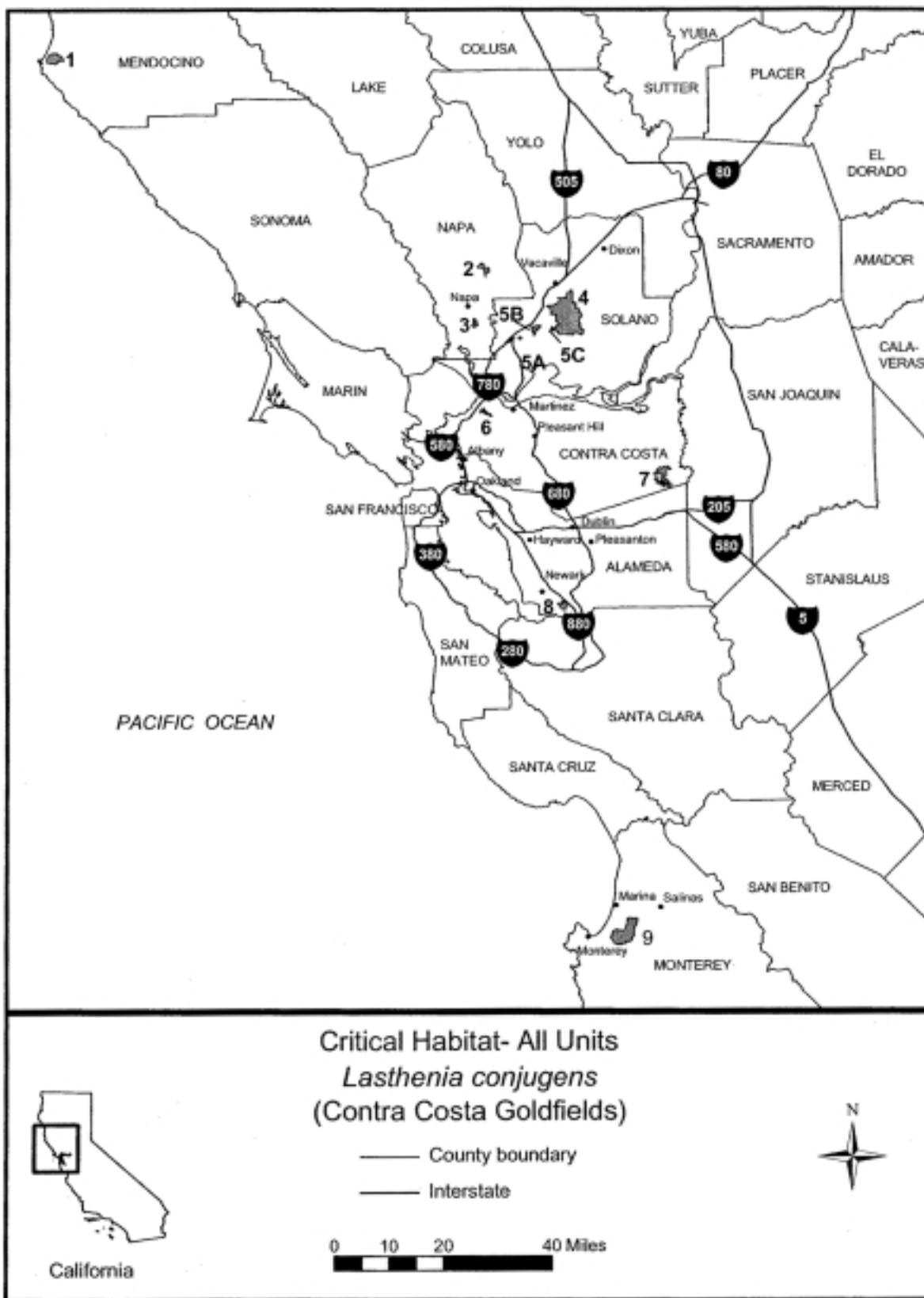
(13) *Unit 9*: Monterey County, California.

(i) From USGS 1:24,000 quadrangle maps Marina, Salinas, Seaside, and Spreckels, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 608100, 4048800;

607700, 4048800; 607200, 4048900; 606700, 4049100; 606500, 4049200; 606400, 4049200; 606400, 4049300; 606300, 4049500; 606100, 4049800; 606000, 4049900; 605600, 4050300; 605500, 4050500; 605400, 4050800; 605400, 4051200; 605700, 4052100; 606000, 4052700; 606000, 4052800; 606900, 4053300; 607200, 4053200; 607900, 4053100; 608100, 4053100; 608400, 4053000; 609100, 4053000; 609300, 4053200; 609500, 4053500; 609600, 4053700; 609700, 4053900; 609700, 4054100; 609800, 4054300; 609900, 4054600; 609900, 4054900; 610200, 4055500; 610200, 4056300; 610400, 4056500; 610600, 4056600; 610700, 4056700; 610900, 4056800; 611100, 4056700; 611200, 4056700; 612200, 4056600; 612700, 4056600; 612800, 4056700; 612900, 4056600; 613000, 4056600; 613100, 4056500; 613100, 4056400; 613200, 4056200; 613100, 4056000; 613100, 4055500; 613000, 4055200; 613000, 4055000; 612900, 4054900; 612600, 4054300; 612300, 4053700; 612300, 4052900; 612200, 4052800; 612100, 4052500; 612100, 4052200; 612200, 4052000; 612300, 4051700; 612200, 4051500; 612000, 4051300; 611900, 4051100; 611700, 4050800; 611600, 4050100; 611300, 4050000; 611200, 4049900; 611000, 4049700; 610800, 4049600; 610500, 4049700; 610000, 4049700; 609900, 4049600; 609900, 4049400; 609800, 4049300; 608600, 4049000; 608400, 4049000; 608200, 4048900; returning to 608100, 4048800.

(14) Map follows of all critical habitat units for *Lasthenia conjugens* (Contra Costa goldfields).

BILLING CODE 4310-55-P



BILLING CODE 4310-55-C  
 \* \* \* \* \*

Family Euphorbiaceae: *Chamaesyce hooveri* (Hoover's Spurge).

(1) Critical habitat units are depicted for Tehama, Butte, Glenn, Colusa, Stanislaus, Merced, 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 man-made 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) *Unit 1*: Tehama and Butte counties, California.

(i) 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): 583100, 4413100; 582900, 4413400; 582900, 4415900; 582000, 4418300; 581800, 4419200; 582000, 4419500; 581400, 4420000; 581400, 4420400; 581800, 4420700; 581600, 4421000; 583200, 4422600; 583500, 4423600; 585200, 4424500; 584900, 4424900; 582900, 4424300; 581300, 4422800; 581000, 4422600; 580500, 4422800; 579800, 4424400; 579500, 4425400; 580300, 4426100; 581700, 4427000; 583400, 4427100; 584000, 4427200; 585000, 4428300; 586700, 4429000; 588800, 4430200; 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, 4414000; 586400, 4413800; 586200, 4413600; 586200, 4413400; 584200, 4413400; returning to 583100, 4413100.

(5) *Unit 2*: Butte County, California.

(i) From USGS 1:24,000 quadrangle map Hamlin Canyon, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 611100, 4387700; 610400, 4388500; 610300, 4388800; 609200, 4389800; 609100, 4390100; 610200, 4391100; 610300, 4391400; 611100, 4391400; 611500, 4391300; 612500, 4390200; 613300, 4389600; 613300, 4388900; 613200, 4388400; 612800, 4388000; 612100, 4387900; 611500, 4387900; returning to 611100, 4387700.

(6) *Unit 3*: Glenn and Colusa counties, California.

(i) From USGS 1:24,000 quadrangle maps Logandale, Maxwell, Moulton Weir, and Princeton, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 572900, 4357400; 571200, 4357400; 571200, 4358200; 570400, 4358200; 570400, 4359000; 569600, 4359000; 569500, 4360500; 569300, 4362200; 569500, 4363300; 569500, 4367200; 570000, 4367200; 569900, 4368400; 570300, 4368400; 571000, 4367600; 571000, 4367800; 570700, 4368500; 570900, 4368800; 571500, 4368800; 571900, 4368300; 571900, 4367600; 572100, 4367600; 572400, 4368100; 572400, 4368400; 572600, 4368900; 572800, 4368900; 573000, 4368100; 573400, 4368000; 573800, 4367600; 574100, 4367300; 574400, 4367200; 574500, 4366400; 574900, 4366400; 574900, 4365600; 574700, 4365500; 574400, 4364100; 575200, 4363900; 575600, 4363600; 575100, 4362400; 575600, 4361400; 575100, 4360700; 576000, 4359600; 575500, 4358900; 575700, 4358300; 575900, 4357700; 575300, 4357800; 575000, 4357700; 574700, 4357700; 573600, 4357800; 573500, 4358200; 572900, 4358200; returning to 572900, 4357400.

(7) *Unit 4*: Stanislaus and Tuolumne Counties, California.

(i) From USGS 1:24,000 quadrangle maps Cooperstown, Keystone, Knights Ferry, La Grange, and Paulsell, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 718900, 4168000; 718700, 4168000; 717900, 4168500; 715500, 4168200; 715400, 4168300; 712500, 4168900; 710900, 4168400; 710350, 6875000 4168525; 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; 708400, 4170300; 708100, 4170200; 707900, 4170200; 707900, 4170300; 708100, 4170500; 708200, 4170500; 708200, 4170600; 708000, 4170600; 708200, 4170800; 708200, 4170900; 708100, 4170900; 707900, 4170700; 707700, 4170700; 707700, 4170800; 707600, 4170900; 707400, 4170900; 707100, 4171100; 707100, 4171200; 707200, 4171300; 707300, 4171200; 707500, 4171300; 707800, 4171600; 707900, 4171600; 708100, 4171600; 708200, 4171700; 708100, 4171800; 708100, 4171900; 708300, 4171900; 708300, 4172100; 708400, 4172100; 708500, 4172200; 708500, 4172300; 708700, 4172400; 708800, 4172500; 708800, 4172600; 708700, 4172700; 708500, 4172700; 708400, 4172800; 708300, 4172700; 708200, 4172700; 708100, 4172600; 708000, 4172500; 707900, 4172500; 707800, 4172700; 707600, 4172600; 707400, 4172500; 707400, 4172600; 707200, 4172700; 707100, 4172300; 707000, 4172200; 706700, 4172200; 706700, 4172300; 706500, 4172300; 706400, 4172300; 706400, 4172400; 706200, 4172600; 706300, 4172700; 706400, 4172800; 706100, 4172900; 705900, 4173100; 705800, 4173300; 705800, 4173500; 706000, 4173800; 705900, 4173900; 705800, 4174100; 705700, 4174200; 705500, 4174200; 705400, 4174100; 705400, 4173700; 705300, 4173500; 705200, 4173200; 705100, 4174700; 705400, 4175400; 705000, 4175900; 705300, 4176300; 705700, 4176700; 705700, 4177000; 705700, 4177700; 705200, 4177900; 705000, 4178100; 705400, 4178900; 706200, 4178400; 706600, 4177600; 707200, 4177300; 707300, 4176800; 706800, 4176200; 706900, 4175800; 707600, 4175800; 708000, 4176500; 708500, 4176400; 709800, 4176600; 710200, 4176200; 710700, 4176600; 711200, 4176900; 711500, 4177100; 711600, 4178100; 711700, 4178700; 710600, 4178800; 710300, 4179200; 709900, 4179500; 709500, 4179600; 709100, 4180800; 709200, 4182200; 709700, 4182700; 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; 721400, 4169900; 720500, 4168700; returning to 718900, 4168000.

(8) *Unit 5*: Stanislaus and Merced counties, California.

(i) 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): 715900, 4154900; 715400, 4155600; 715300, 4156600; 715100, 4156600; 715000, 4156200; 714800, 4156100; 714800, 4155800; 714700, 4155600; 714200, 4155600; 714000, 4155400; 713800, 4155400; 712600, 4155200; 712600, 4157100; 711200, 4157100; 711100, 4161900; 706300, 4161800; 706100, 4165000; 703000, 4165100; 702500, 4165200; 702500, 4165900; 702600, 4166600; 703700, 4167200; 704600, 4168200; 704900, 4168200; 705300, 4167800; 705900, 4167800; 707000, 4167500; 707700, 4167600; 708100, 4167300; 709400, 4167300; 709600, 4167300; 710200, 4166800; 711000, 4167600; 711600, 4167800; 712600, 4167800; 713200, 4167600; 713200, 4167200; 712900, 4167200; 712600, 4166900; 711800, 4167000; 711600, 4166800; 711600, 4166600; 711800, 4166500; 711800, 4166600; 711900, 4166600; 712000, 4166300; 712100, 4166500; 712200, 4166500; 712300, 4166400; 712500, 4166400; 712500, 4166200; 712700, 4166200; 712700, 4166300; 712800, 4166300; 713000, 4166100; 712800, 4166000; 712700, 4165800; 712500, 4165800; 712500, 4165600; 712700, 4165600; 712600, 4165400; 712400, 4165500; 712300, 4165400; 712500, 4165300; 712500, 4165200; 712400, 4165100; 712600, 4165100; 712600, 4165000; 712600, 4164900; 712700, 4164800; 712600, 4164700; 712500, 4164800; 712400, 4164800; 712400, 4164300; 712800, 4164500; 713100, 4164300; 713200, 4164100; 712900, 4163800; 712900, 4163700; 713100, 4163800; 713500, 4164000; 713600, 4164000; 713600, 4164100; 713700, 4164300; 714200, 4164300; 714400, 4164500; 714500, 4164800; 714600, 4164800; 714800, 4164700; 714800, 4164200; 714400, 4164000; 714400, 4163600; 714500, 4163500; 715200, 4164000; 715300, 4164200; 715400, 4164200; 715300, 4163900; 715100, 4163700; 715000, 4163500; 714800, 4163300; 714900, 4163200; 715000, 4163200; 715700, 4163200; 715900, 4163100; 716000, 4162900; 716100, 4162800; 716200, 4162800; 716300, 4162900; 716400, 4163000;

716500, 4163100; 716600, 4163200; 716600, 4163500; 716500, 4163600; 716500, 4163800; 716600, 4164100; 716800, 4164500; 716700, 4164900; 716800, 4165300; 717200, 4165800; 717200, 4166100; 717000, 4166400; 716600, 4166400; 716400, 4166300; 716400, 4167000; 716600, 4167200; 716600, 4167300; 717000, 4167400; 717500, 4167400; 718100, 4167300; 718500, 4167100; 718600, 4166600; 718700, 4166400; 719100, 4166700; 719300, 4166800; 719800, 4166800; 719500, 4167400; 719500, 4167600; 719700, 4167800; 720500, 4167800; 720700, 4167700; 720900, 4167500; 721100, 4167400; 721300, 4167700; 721700, 4167700; 722000, 4167600; 722500, 4167600; 723200, 4167100; 723500, 4166300; 723000, 4166100; 723200, 4165600; 723400, 4165700; 723600, 4165600; 723600, 4165100; 723700, 4164900; 724300, 4164900; 725000, 4163700; 725300, 4163800; 724900, 4162800; 725100, 4162700; 725400, 4162700; 726000, 4164100; 726300, 4163500; 726200, 4163100; 726000, 4163000; 726100, 4162700; 726200, 4160600; 725800, 4160600; 725000, 4160200; 725300, 4159800; 726300, 4160200; 727000, 4159500; 727000, 4160400; 727300, 4160700; 727500, 4159800; 727600, 4159800; 727800, 4160400; 728300, 4160400; 729000, 4160800; 730400, 4160100; 730300, 4160500; 730600, 4160600; 731500, 4161400; 731900, 4161400; 732000, 4160800; 731700, 4160700; 732000, 4160000; 733500, 4159000; 733700, 4158700; 733300, 4158600; 733300, 4158300; 733800, 4157700; 733400, 4157100; 731700, 4156900; 730900, 4156500; 728900, 4156600; 727100, 4156700; 726900, 4156400; 725900, 4156400; 723900, 4155300; 723300, 4155400; 722500, 4155000; 722300, 4155000; 722300, 4157400; 723800, 4157500; 723700, 4159000; 722500, 4159000; 722200, 4159300; 720900, 4159300; 720900, 4158500; 719700, 4158500; 719700, 4158100; 719100, 4158000; 718700, 4157600; 718000, 4157700; 717800, 4157400; 717900, 4157200; 718000, 4157000; 718400, 4157300; 718700, 4156700; 718700, 4156300; 717400, 4156300; 717000, 4155800; 716600, 4155800; 716300, 4155700; 716200, 4155000; returning to 715900, 4154900.

(9) *Unit 6*: Merced County, California.

(i) From USGS 1:24,000 quadrangle maps Arena, Atwater, San Luis Ranch, Sandy Mush, Stevinson, and Turner Ranch, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 711600, 4118100; 707300, 4118100; 705000, 4118100; 704500, 4119600; 699400, 4119500; 699300, 4118700; thence west to y-coordinate

4118700 on the San Joaquin River; thence northeast along the San Joaquin River to x-coordinate 693100; thence north to 693100, 4125600; 693700, 4127500; 694500, 4127000; 694800, 4127000; 695200, 4127700; 695200, 4129800; 695200, 4130300; 695700, 4130300; 695900, 4130000; 696100, 4129500; 696100, 4129100; 696900, 4129100; 696900, 4130200; 697200, 4130200; 698300, 4128600; 698600, 4128200; 700100, 4127600; 700500, 4129200; 700500, 4130600; 701700, 4130600; 701800, 4129200; 703300, 4129200; 703300, 4128800; 703900, 4129000; 704200, 4129000; 705600, 4128500; 705600, 4127800; 705300, 4127000; 705400, 4126200; 705900, 4125700; 706800, 4125400; 707200, 4125400; 707900, 4126100; 708300, 4126100; 708300, 4125400; 709100, 4125400; 709900, 4125700; 709900, 4126000; 710200, 4126200; 711500, 4126200; 711500, 4124600; 708000, 4124500; 706700, 4124500; 706700, 4122100; 711500, 4122200; 711500, 4121700; 712100, 4121400; 713200, 4121400; 713200, 4118700; 711600, 4118700; returning to 711600, 4118100.

(10) *Subunit 7A*: Tulare County, California.

(i) From USGS 1:24,000 quadrangle maps Ivanhoe, Monson, and Stokes Mtn., California, land bounded by the following UTM 11 NAD 83 coordinates (E, N): 302400, 4036900; 300700, 4037000; 298500, 4038200; 297600, 4038200; 297600, 4039500; 298400, 4039500; 298500, 4039800; 298900, 4039900; 298900, 4041200; 299400, 4041300; 298900, 4042000; 298900, 4042500; 298900, 4043300; 299500, 4043800; 299600, 4044300; 299700, 4044700; 300100, 4045300; 300700, 4045400; 301200, 4045800; 302200, 4045800; 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; 300900, 4041500; 300900, 4040100; 300300, 4040100; 300300, 4039400; 301200, 4039400; 302500, 4037900; returning to 302400, 4036900.

(11) *Subunit 7B*: Tulare County, California.

(i) 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): 308300, 4033500; 307800, 4033500; 306600, 4034100; 305900, 4035100; 305700, 4036700; 305300, 4038400; 305000, 4038600; 305000, 4039200; 305300, 4039300; 305600, 4039300; 306000, 4038600; 306500, 4038600; 306900, 4039000; 306800, 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; 311200, 4040000; 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; 315900, 4034500; 314100, 4034600; 313400, 4034900; 311100, 4035100; 310700, 4034800; 310500, 4034800; 310200, 4035000; 310200, 4036600; 309800, 4036700; 308500, 4036700; 308400, 4035800; 309100, 4035400; 309100, 4034200; returning to 308300, 4033500.

(12) *Subunit 7C*: Tulare County, California.

(i) From USGS 1:24,000 quadrangle map Monson, California, land bounded by the following UTM 11 NAD 83 coordinates (E, N): 297500, 4035200; 296800, 4035300; 296200, 4035300; 296700, 4036800; 297700, 4036700; returning to 297500, 4035200.

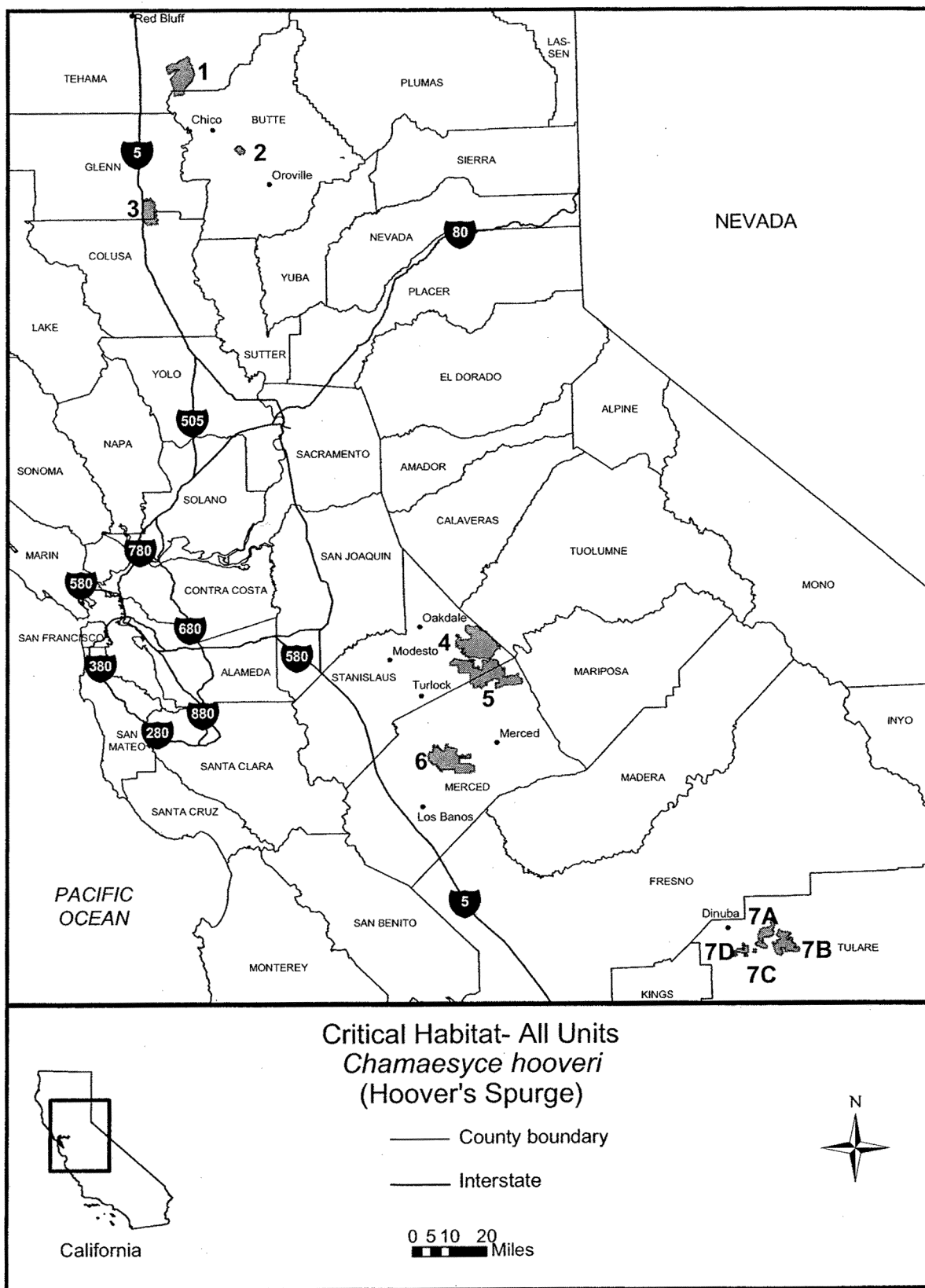
(13) *Subunit 7D*: Tulare County, California.

(i) From USGS 1:24,000 quadrangle maps Monson and Traver, California,

land bounded by the following UTM 11 NAD 83 coordinates (E, N): 293800, 4034000; 292500, 4034000; 292600, 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, 4039700; 292500, 4039700; 292500, 4039400; 292800, 4039400; 292800, 4038500; 294400, 4038500; 294300, 4035500; 293500, 4035500; 293500, 4034800; 293800, 4034800; returning to 293800, 4034000.

(14) Map follows of all critical habitat units for *Chamaesyce hooveri* (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 and Butte counties, 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 man-made 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) *Unit 1*: Tehama and Butte counties, California.

(i) 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; 592800, 4408200; 592800, 4408800; 592900, 4409200; 592900, 4409600; 593100, 4409900; 592800, 4409900; 592500, 4409800; 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; 589700, 4411800; 589000, 4411900; 587900, 4412000; 587900, 4412400; 587600, 4412700; 587600, 4413400; 587800, 4414300; 588000, 4414500; 589100, 4414900; 590800, 4416100; 592400, 4416700; 595800, 4416600; 596100, 4416600; 596400, 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, 4413600; 597400, 4411900; 597600, 4411900; 598300, 4412700; 598500, 4413300; 598900, 4413300; 598900, 4411800; 599400, 4411700; 599800, 4411700; 599800, 4411000; 597700, 4409400; 596200, 4408600; 595900, 4408800; 595700, 4408800; returning to 595500, 4408200.

(5) *Unit 2*: Butte County, California.

(i) From USGS 1:24,000 quadrangle maps Nord and Richardson Springs, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 602400, 4401600; 601900, 4401800; 601800, 4402000; 601500, 4401900; 601000, 4401900; 600400, 4402100; 599600, 4402100; 599400, 4403400; 599100, 4403200; 598300, 4403400; 597100, 4403700; 596400, 4404200; 596300, 4404800; 595100, 4405000; 595100, 4405600; 595400, 4406000; 595400, 4407100; 595500, 4407100; 595700, 4407300; 595700, 4407400; 596100, 4407400; 596400, 4408000; 596400, 4408100; 596800, 4408300; 596800, 4407500; 597300, 4407500; 597300, 4408000; 597900, 4407500; 598700, 4408400; 599900, 4409000; 600100, 4409000; 600300, 4408800; 600300, 4408400; 600000, 4408100; 600400, 4407600; 599500, 4406700; 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; 604400, 4402800; 603600, 4402100; 602900, 4402100; returning to 602400, 4401600.

(6) *Unit 3*: Butte County, California.

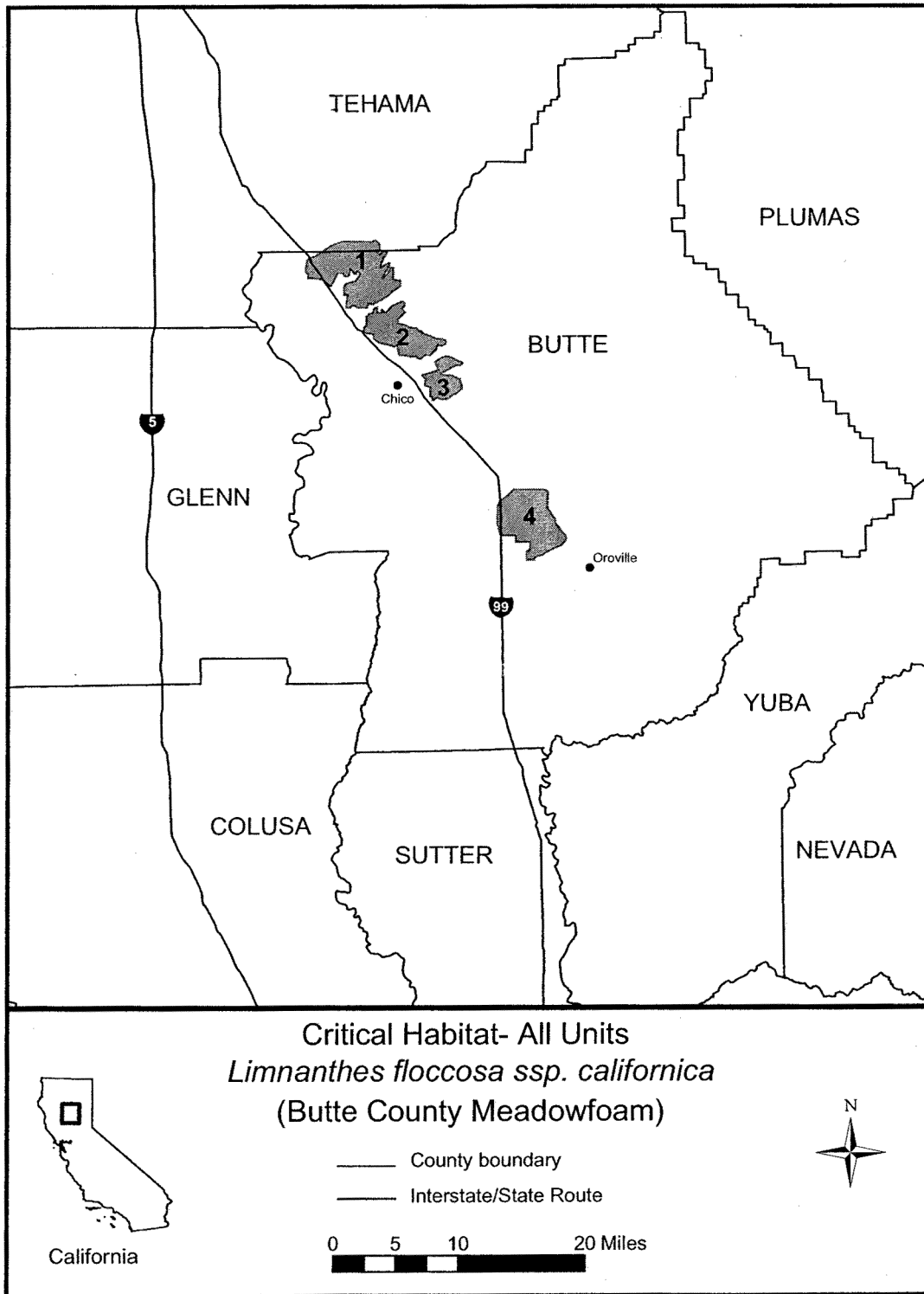
(i) From USGS 1:24,000 quadrangle maps Chico, Hamlin Canyon, Paradise West, and Richardons Springs, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 604100, 4396300; 603900, 4396300; 603900, 4396700; 603600, 4396800; 603600, 4398000; 602900, 4398200; 603000, 4398800; 603100, 4399000; 602600, 4399400; 602600, 4399600; 603500, 4399800; 604700, 4400200; 604200, 4401300; 605300, 4401900; 605900, 4402000; 606400, 4401800; 607100, 4401400; 607600, 4401300; 607800, 4401100; 607500, 4400800; 606900, 4400800; 605100, 4399800; 605100, 4399600; 606500, 4399500; 607200, 4399100; 607400, 4399100; 607700, 4398100; 607700, 4397800; 606900, 4397100; 606700, 4397100; 605700, 4396400; 605100, 4396400; 604700, 4396600; 604500, 4396600; 604100, returning to 604100, 4396300.

(7) *Unit 4*: Butte County, California.

(i) From USGS 1:24,000 quadrangle maps Oroville and Shippee, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 616900, 4375800; 616600, 4375800; 615900, 4375800; 615900, 4377000; 616300, 4377000; 616300, 4378100; 614500, 4378100; 614500, 4378900; 612600, 4378900; 612200, 4380400; 612200, 4382600; 612500, 4383300; 613600, 4384200; 614200, 4384800; 616400, 4384800; 618200, 4384800; 618600, 4384500; 618500, 4382500; 619300, 4381300; 619500, 4381000; 619500, 4380500; 620800, 4378900; 620900, 4378400; 620300, 4377700; 618800, 4377000; 617800, 4376400; 617100, 4376200; 616900, 4376000; returning to 616900, 4375800.

(8) Map follows of all critical habitat units for *Limnanthes floccosa* ssp. *californica* (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, Solano, Stanislaus, Merced, 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 man-made 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) *Unit 1: Yolo County, California.*

(i) 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, 4262400; 615400, 4262400; returning to 615400, 4260700.

(5) *Unit 2: Solano County, California.*

(i) From USGS 1:24,000 quadrangle maps Birds Landing, Denverton, Dozier, and Elmira, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 600700, 4230600; 600400, 4230900; 600400, 4231700; 601100, 4232300; 601200, 4233200; 598400, 4233200; 598200, 4232100; 597800, 4231800; 597100, 4233200; 595600, 4233800; 595400, 4234700; 595600, 4235500; 595600, 4236800; 596500, 4237600; 596300, 4237700; 595500, 4237100; 595200, 4237700; 595200, 4238200; 598800, 4238200; 598500, 4239100; 598000, 4239700; 598000, 4241000; 598800, 4241000; 598800, 4240600; 600400, 4240600; 602800, 4240600; 604300, 4239400; 605200, 4240600; 605300, 4239700; 605500, 4239000; 605400, 4238300; 604500, 4238100; 604500, 4237500; 605200, 4237200; 605700, 4235200; 605400, 4234900; 605000, 4233900; 604600, 4233700; 604200, 4233300; 604100, 4232500; 603800, 4231500; 602300, 4230800; 601400, 4230700; returning to 600700, 4230600.

(6) *Unit 3: Stanislaus and Calaveras counties, California.*

(i) 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; 696400, 4186300; 696000, 4185900; 695400, 4185900; 695100, 4185400; 694600, 4185500; 694400, 4185800; 693500, 4185800; 693300, 4185600; 693100, 4185500; 693000, 4185100; 692500, 4185100; 692400, 4185400; 692000, 4185400; 691700, 4186300; 691300, 4186400; 691100, 4187200; 690700, 4187000; 690200, 4187000; 689900, 4187600; 689500, 4187600; 688800, 4187200; 688600, 4186800; 688300, 4186800; 688300, 4187500; 688700, 4187800; 688700, 4188400; 689100, 4188900; 689700, 4188900; 689900, 4189100; 689900, 4189400; 691100, 4189500; 691100, 4189900; 690900, 4190000; 690600, 4190600; 690800, 4191100; 691300, 4190700; 691600, 4190800; 691500, 4191100; 691700, 4191100; 691700, 4191700; 693100, 4191900; 693600, 4192400; 693800, 4193200; 694000, 4193300; 694800, 4192800; 695800, 4192200; 696000, 4191500; 696300, 4191500; 696300, 4192500; 694800, 4193600; 694400, 4193700; 694000, 4193700; 693000, 4194400; 691900, 4194800; 691900, 4195600; 691300, 4195600; 690400, 4196400; 689500, 4196400; 689500, 4197000; 689100, 4197000; 688900, 4196200; 686900, 4196200; 687000, 4196400; 687200, 4197000; 687900, 4197100; 687900, 4198500; 688200, 4198800; 688400, 4198800; 688500, 4199300; 688500, 4200000; 688000, 4200200; 688100, 4201700; 686600, 4201800; 686300, 4202600; 686300, 4202900; 686500, 4203100; 687700, 4203800; 687800, 4203800; 687900, 4203500; 688600, 4203800; 689100, 4203600; 689400, 4203800; 689400, 4204400; 690200, 4204400; 690300, 4203600; 691600, 4204200; 692500, 4204600; 692400, 4203100; 693200, 4202800; 693200, 4202100; 692800, 4200800; 695000, 4199200; 695800, 4199200; 696200, 4199100; 696500, 4198900; 696600, 4198700; 696800, 4198100; 696900, 4197800; 697300, 4198400; 697700, 4198400; 697500, 4197100; 697800, 4196700; 698300, 4196700; 699100, 4195600; 699300, 4195300; 699600, 4195300; 700000, 4194700; 700200, 4194600; 700200, 4194000; 700900, 4194000; 702000, 4193700; 702300, 4193800; 702300, 4194600; 702600, 4194700; 702900, 4194500; 702900, 4193800; 702200, 4193100; 702300, 4192400; 703900, 4191600; 703900, 4191100; 704400, 4190700; 705400, 4190400; 705700, 4189100; 705500, 4188600; 705100, 4188500;

704800, 4188500; 704300, 4188900; 703800, 4188500; 703600, 4188500; 703400, 4189100; 702300, 4189000; 700700, 4188500; 700100, 4188500; 700000, 4188800; 699600, 4188300; 699800, 4188200; 700100, 4187600; 699900, 4186200; 698400, 4185200; returning to 697300, 4184800.

(7) *Unit 4: Stanislaus and Tuolumne counties, California.*

(i) 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): 718900, 4168000; 718700, 4168000; 717900, 4168500; 715500, 4168200; 715400, 4168300; 712500, 4168900; 710900, 4168400; 710300, 4168500; 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; 708400, 4170300; 708100, 4170200; 707900, 4170200; 707900, 4170300; 708100, 4170500; 708200, 4170500; 708200, 4170600; 708000, 4170600; 708200, 4170800; 708200, 4170900; 708100, 4170900; 707900, 4170700; 707700, 4170700; 707700, 4170800; 707600, 4170900; 707400, 4170900; 707100, 4171100; 707100, 4171200; 707200, 4171300; 707300, 4171200; 707500, 4171300; 707800, 4171600; 707900, 4171600; 708100, 4171600; 708200, 4171700; 708100, 4171800; 708100, 4171900; 708300, 4171900; 708300, 4172100; 708400, 4172100; 708500, 4172200; 708500, 4172300; 708700, 4172400; 708800, 4172500; 708800, 4172600; 708700, 4172700; 708500, 4172700; 708400, 4172800; 708300, 4172700; 708200, 4172700; 708100, 4172600; 708000, 4172500; 707900, 4172500; 707800, 4172700; 707600, 4172600; 707400, 4172500; 707400, 4172600; 707200, 4172700; 707100, 4172300; 707000, 4172200; 706700, 4172200; 706700, 4172300; 706500, 4172300; 706400, 4172300; 706400, 4172400; 706200, 4172600; 706300, 4172700; 706400, 4172800; 706300, 4172800; 706200, 4172800; 706100, 4172900; 705900, 4173100; 705800, 4173300; 705800, 4173500; 706000, 4173800; 705900, 4173900; 705800, 4174100; 705700, 4174200; 705500, 4174200; 705400, 4174100; 705400, 4173700; 705300, 4173500; 705200, 4173200; 705100, 4173200; 705100, 4172600; 704900, 4172400;

704800, 4172100; 704600, 4172100;  
 704500, 4171900; 704400, 4171800;  
 704500, 4171600; 704600, 4171400;  
 704700, 4171500; 704900, 4171200;  
 704700, 4171100; 704900, 4171000;  
 704800, 4170900; 704600, 4170900;  
 704600, 4170700; 704800, 4170200;  
 705300, 4170200; 705800, 4169700;  
 705900, 4169300; 706000, 4168900;  
 706000, 4168800; 705400, 4168900;  
 704400, 4169000; 703400, 4169400;  
 703300, 4169700; 700700, 4169600;  
 700700, 4170400; 700400, 4170600;  
 700200, 4171100; 699500, 4171100;  
 698500, 4171200; 698500, 4172000;  
 697800, 4172300; 697100, 4171200;  
 694000, 4171200; 694000, 4172100;  
 694500, 4172100; 694500, 4174500;  
 696300, 4174500; 696300, 4175300;  
 697300, 4175300; 697300, 4176200;  
 697700, 4176200; 697700, 4179300;  
 696600, 4179300; 696400, 4180000;  
 695800, 4180000; 695500, 4179500;  
 695000, 4179300; 694400, 4179300;  
 694400, 4179800; 694800, 4180400;  
 694500, 4180800; 694500, 4181000;  
 694900, 4181400; 694500, 4181600;  
 694500, 4181900; 695100, 4182200;  
 696100, 4182200; 696200, 4181800;  
 695700, 4181600; 696300, 4180500;  
 697000, 4180100; 697400, 4180100;  
 697600, 4180400; 697600, 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;  
 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;  
 721400, 4169900; 720500, 4168700;  
 returning to 718900, 4168000.

(8) *Unit 5*: Stanislaus and Merced counties, California.

(i) 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): 715900, 4154900;

715400, 4155600; 715300, 4156600;  
 715100, 4156600; 715000, 4156200;  
 714800, 4156100; 714800, 4155800;  
 714700, 4155600; 714200, 4155600;  
 714000, 4155400; 713800, 4155400;  
 712600, 4155200; 712600, 4157100;  
 711200, 4157100; 711100, 4161900;  
 706300, 4161800; 706100, 4165000;  
 703000, 4165100; 702500, 4165200;  
 702500, 4165900; 702600, 4166600;  
 703700, 4167200; 704600, 4168200;  
 704900, 4168200; 705300, 4167800;  
 705900, 4167800; 707000, 4167500;  
 707700, 4167600; 708100, 4167300;  
 709400, 4167300; 709600, 4167300;  
 710200, 4166800; 711000, 4167600;  
 711600, 4167800; 712600, 4167800;  
 713200, 4167600; 713200, 4167200;  
 712900, 4167200; 712600, 4166900;  
 711800, 4167000; 711600, 4166800;  
 711600, 4166600; 711800, 4166500;  
 711800, 4166600; 711900, 4166600;  
 712000, 4166300; 712100, 4166500;  
 712200, 4166500; 712300, 4166400;  
 712500, 4166400; 712500, 4166200;  
 712700, 4166200; 712700, 4166300;  
 712800, 4166300; 713000, 4166100;  
 712800, 4166000; 712700, 4165800;  
 712500, 4165800; 712500, 4165600;  
 712700, 4165600; 712600, 4165400;  
 712400, 4165500; 712300, 4165400;  
 712500, 4165300; 712500, 4165200;  
 712400, 4165100; 712600, 4165100;  
 712600, 4165000; 712600, 4164900;  
 712700, 4164800; 712600, 4164700;  
 712500, 4164800; 712400, 4164800;  
 712400, 4164300; 712800, 4164500;  
 713100, 4164300; 713200, 4164100;  
 712900, 4163800; 712900, 4163700;  
 713100, 4163800; 713500, 4164000;  
 713600, 4164000; 713600, 4164100;  
 713700, 4164300; 714200, 4164300;  
 714400, 4164500; 714500, 4164800;  
 714600, 4164800; 714800, 4164700;  
 714800, 4164200; 714400, 4164000;  
 714400, 4163600; 714500, 4163500;  
 715200, 4164000; 715300, 4164200;  
 715400, 4164200; 715300, 4163900;  
 715100, 4163700; 715000, 4163500;  
 714800, 4163300; 714900, 4163200;  
 715000, 4163200; 715700, 4163200;  
 715900, 4163100; 716000, 4162900;  
 716100, 4162800; 716200, 4162800;  
 716300, 4162900; 716400, 4163000;  
 716500, 4163100; 716600, 4163200;  
 716600, 4163500; 716500, 4163600;  
 716500, 4163800; 716600, 4164100;  
 716800, 4164500; 716700, 4164900;  
 716800, 4165300; 717200, 4165800;  
 717200, 4166100; 717000, 4166400;  
 716600, 4166400; 716400, 4166300;  
 716400, 4167000; 716600, 4167200;  
 716600, 4167300; 717000, 4167400;  
 717500, 4167400; 718100, 4167300;  
 718500, 4167100; 718600, 4166600;  
 718700, 4166400; 719100, 4166700;  
 719300, 4166800; 719800, 4166800;  
 719500, 4167400; 719500, 4167600;

719700, 4167800; 720500, 4167800;  
 720700, 4167700; 720900, 4167500;  
 721100, 4167400; 721300, 4167700;  
 721700, 4167700; 722000, 4167600;  
 722500, 4167600; 723200, 4167100;  
 723500, 4166300; 723000, 4166100;  
 723200, 4165600; 723400, 4165700;  
 723600, 4165600; 723600, 4165100;  
 723700, 4164900; 724300, 4164900;  
 725000, 4163700; 725300, 4163800;  
 724900, 4162800; 725100, 4162700;  
 725400, 4162700; 726000, 4164100;  
 726300, 4163500; 726200, 4163100;  
 726000, 4163000; 726100, 4162700;  
 726200, 4160600; 725800, 4160600;  
 725000, 4160200; 725300, 4159800;  
 726300, 4160200; 727000, 4159500;  
 727000, 4160400; 727300, 4160700;  
 727500, 4159800; 727600, 4159800;  
 727800, 4160400; 728300, 4160400;  
 729000, 4160800; 730400, 4160100;  
 730300, 4160500; 730600, 4160600;  
 731500, 4161400; 731900, 4161400;  
 732000, 4160800; 731700, 4160700;  
 732000, 4160000; 733500, 4159000;  
 733700, 4158700; 733300, 4158600;  
 733300, 4158300; 733800, 4157700;  
 733400, 4157100; 731700, 4156900;  
 730900, 4156500; 728900, 4156600;  
 727100, 4156700; 726900, 4156400;  
 725900, 4156400; 723900, 4155300;  
 723300, 4155400; 722500, 4155000;  
 722300, 4155000; 722300, 4157400;  
 723800, 4157500; 723700, 4159000;  
 722500, 4159000; 722200, 4159300;  
 720900, 4159300; 720900, 4158500;  
 719700, 4158500; 719700, 4158100;  
 719100, 4158000; 718700, 4157600;  
 718000, 4157700; 717800, 4157400;  
 717900, 4157200; 718000, 4157000;  
 718400, 4157300; 718700, 4156700;  
 718700, 4156300; 717400, 4156300;  
 717000, 4155800; 716600, 4155800;  
 716300, 4155700; 716200, 4155000;  
 returning to 715900, 4154900.

(9) *Unit 6*: Merced and Mariposa counties, California.

(i) From USGS 1:24,000 quadrangle maps Atwater, 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): 734700, 4133300;  
 734700, 4133700; 734100, 4133900;  
 733100, 4133900; 733100, 4134600;  
 732700, 4134600; 732600, 4135000;  
 732300, 4135500; 730300, 4135400;  
 729900, 4135700; 729900, 4136500;  
 726500, 4136500; 726400, 4136100;  
 725900, 4136100; 725900, 4135300;  
 725600, 4135100; 725500, 4135100;  
 725300, 4135500; 725100, 4135400;  
 725000, 4135400; 725000, 4135600;  
 724800, 4135700; 724600, 4135700;  
 724600, 4134700; 724200, 4134700;  
 724200, 4135500; 723400, 4135500;  
 723400, 4135600; 722800, 4135600;  
 722800, 4135000; 722600, 4135000;

722600, 4134700; 722500, 4134700;  
 722200, 4137900; 722800, 4137900;  
 722800, 4139300; 721900, 4139300;  
 721900, 4140200; 721000, 4140200;  
 721000, 4140900; 717800, 4140900;  
 717800, 4137700; 717100, 4137700;  
 717000, 4138200; 714500, 4140900;  
 714100, 4141300; 714100, 4142200;  
 713600, 4142400; 713200, 4143000;  
 713000, 4143900; 713100, 4144300;  
 713700, 4144600; 714500, 4145300;  
 714500, 4145700; 715800, 4145800;  
 717000, 4145800; 718000, 4145400;  
 718200, 4145900; 718200, 4147600;  
 719700, 4148400; 720600, 4148600;  
 720600, 4149200; 719600, 4149200;  
 719600, 4149800; 720300, 4149800;  
 721300, 4150700; 721700, 4150700;  
 724400, 4153300; 725000, 4153500;  
 725500, 4154200; 725800, 4154800;  
 727200, 4155900; 727800, 4155900;  
 728500, 4155600; 730200, 4155600;  
 731600, 4155500; 732400, 4155400;  
 732600, 4155200; 733200, 4154700;  
 734100, 4154900; 734600, 4154800;  
 735600, 4156000; 735900, 4156000;  
 737100, 4155400; 737800, 4155000;  
 738200, 4154200; 738300, 4153300;  
 739000, 4152800; 739100, 4152200;  
 740200, 4151800; 740800, 4151500;  
 740800, 4150300; 741100, 4149900;  
 741700, 4149400; 742100, 4148500;  
 742100, 4147100; 743400, 4146100;  
 744000, 4145600; 744400, 4144600;  
 744300, 4143900; 743900, 4142700;  
 744000, 4142000; 744200, 4141700;  
 745500, 4140300; thence south to x-  
 coordinate 745500 on Bear Creek;

thence southwest along Bear Creek to y-  
 coordinate 4133300; thence west to the  
 point of beginning at 734700, 4133300.

(10) *Subunit 7A*: Merced County,  
 California.

(i) From USGS 1:24,000 quadrangle  
 maps Arena, Atwater, Sandy Mush, and  
 Turner Ranch, California, land bounded  
 by the following UTM 10 NAD 83  
 coordinates (E, N): 726800, 4115300;  
 725900, 4115300; 725900, 4116900;  
 724300, 4116900; 724300, 4117600;  
 722600, 4117500; 722600, 4117600;  
 721800, 4117600; 721800, 4118400;  
 720200, 4118400; 720200, 4117600;  
 719400, 4117600; 719500, 4115900;  
 717800, 4115900; 717800, 4116700;  
 717300, 4116700; 717300, 4117500;  
 718600, 4117500; 718600, 4118291;  
 718900, 4118300; 718900, 4118900;  
 718100, 4118900; 717700, 4119100;  
 717700, 4119900; 718500, 4120000;  
 718500, 4121300; 718900, 4121300;  
 718900, 4120000; 719300, 4120000;  
 719400, 4120400; 720400, 4120400;  
 720400, 4121700; 721300, 4121700;  
 722000, 4122500; 722900, 4122500;  
 722900, 4121200; 721300, 4121200;  
 721300, 4120300; 722900, 4120300;  
 722900, 4119500; 722200, 4119500;  
 722200, 4118500; 726100, 4118600;  
 726100, 4120100; 728600, 4120200;  
 728600, 4119200; 727800, 4119200;  
 727700, 4118600; 727500, 4118400;  
 727500, 4116900; 726800, 4116900;  
 returning to 726800, 4115300.

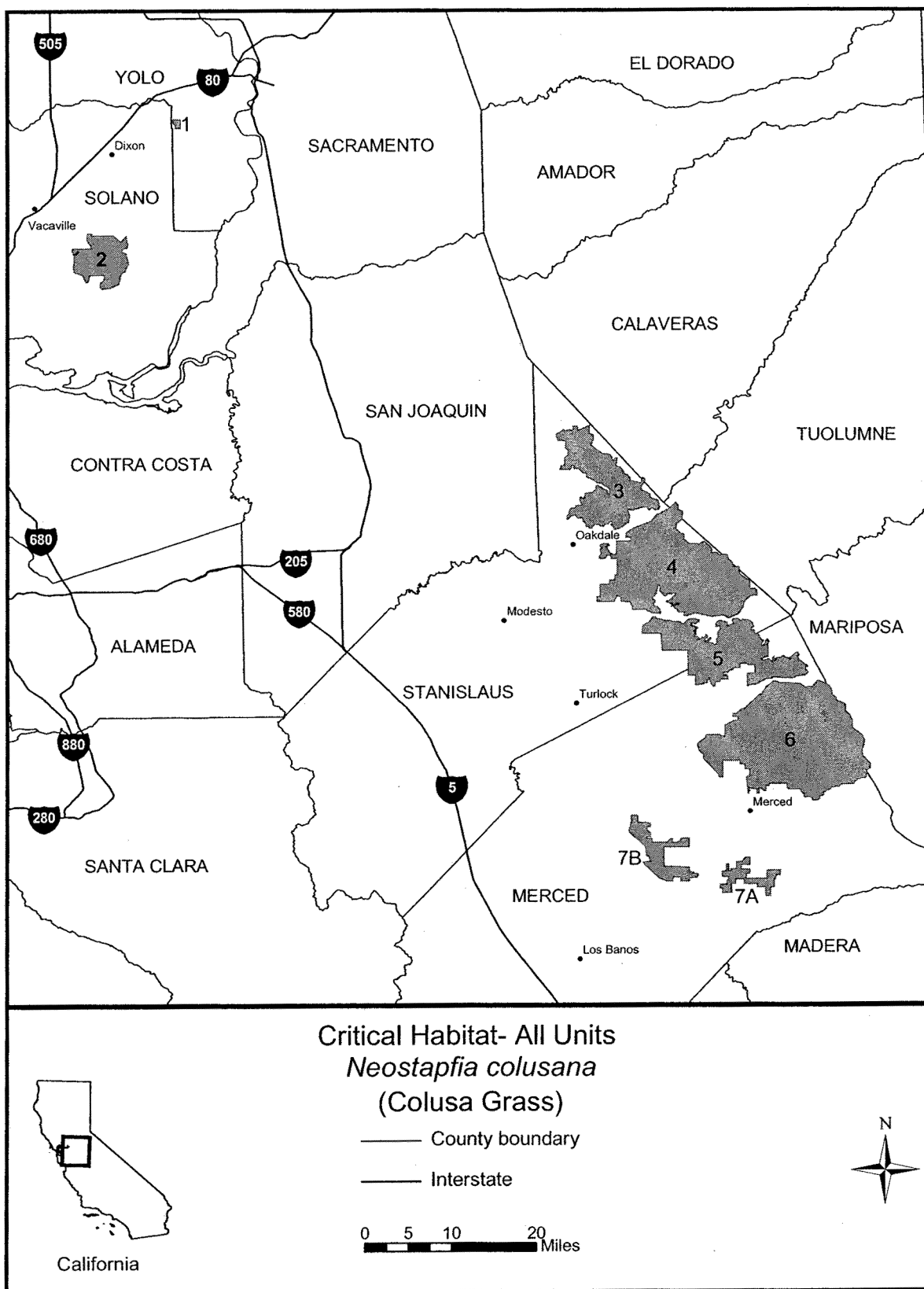
(11) *Subunit 7B*: Merced County,  
 California.

(i) From USGS 1:24,000 quadrangle  
 maps El Nido and Sandy Mush,  
 California, land bounded by the  
 following UTM 10 NAD 83 coordinates  
 (E, N): 711600, 4118100; 709900,  
 4118100; 709900, 4118800; 708400,  
 4118800; 708400, 4118100; 707300,  
 4118100; 706800, 4118300; 705900,  
 4118700; 704600, 4119800; 703700,  
 4120700; 703200, 4121100; 702800,  
 4121700; 704200, 4121800; 703900,  
 4122800; 703400, 4122800; 703300,  
 4124500; 702000, 4125800; 700600,  
 4127000; 700100, 4127600; 700500,  
 4129200; 700500, 4130600; 701700,  
 4130600; 701800, 4129200; 703300,  
 4129200; 704200, 4129000; 704200,  
 4128400; 703400, 4128400; 703500,  
 4127800; 704200, 4127200; 704200,  
 4126500; 703500, 4126600; 703500,  
 4126100; 704500, 4126100; 704500,  
 4125400; 707200, 4125400; 707900,  
 4126100; 708300, 4126100; 708300,  
 4125400; 709100, 4125400; 709800,  
 4125700; 709800, 4126000; 710100,  
 4126200; 711500, 4126200; 711500,  
 4124600; 706700, 4124500; 706700,  
 4122100; 706800, 4120900; 711600,  
 4120700; 711600, 4119800; 712300,  
 4119800; 712400, 4119600; 713200,  
 4119500; 713100, 4118800; 711600,  
 4118700; returning to 711600, 4118100.

(12) Map follows of all critical habitat  
 units for *Neostapfia colusana* (Colusa  
 grass).

**BILLING CODE 4310-55-P**





BILLING CODE 4310-55-P

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

(1) Critical habitat units are depicted for Merced, Mariposa, Madera, 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 man-made 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) *Unit 1*: Merced and Mariposa counties, California.

(i) From USGS 1:24,000 quadrangle maps Atwater, 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): 734700, 4133300; 734700, 4133700; 734100, 4133900; 733100, 4133900; 733100, 4134600; 732700, 4134600; 732600, 4135000; 732300, 4135500; 730300, 4135400; 729900, 4135700; 729900, 4136500; 726500, 4136500; 726400, 4136100; 725900, 4136100; 725900, 4135300; 725600, 4135100; 725500, 4135100; 725300, 4135500; 725100, 4135400; 725000, 4135400; 725000, 4135600; 724800, 4135700; 724600, 4135700; 724600, 4134700; 724200, 4134700; 724200, 4135500; 723400, 4135500; 723400, 4135600; 722800, 4135600; 722800, 4135000; 722600, 4135000; 722600, 4134700; 722500, 4134700; 722200, 4137900; 722800, 4137900; 722800, 4139300; 721900, 4139300; 721900, 4140200; 721000, 4140200; 721000, 4140900; 717800, 4140900;

717800, 4137700; 717100, 4137700; 717000, 4138200; 714500, 4140900; 714100, 4141300; 714100, 4142200; 713600, 4142400; 713200, 4143000; 713000, 4143900; 713100, 4144300; 713700, 4144600; 714500, 4145300; 714500, 4145700; 715800, 4145800; 717000, 4145800; 718000, 4145400; 718200, 4145900; 718200, 4147600; 719700, 4148400; 720600, 4148600; 720600, 4149200; 719600, 4149200; 719600, 4149800; 720300, 4149800; 721300, 4150700; 721700, 4150700; 724400, 4153300; 725000, 4153500; 725500, 4154200; 725800, 4154800; 727200, 4155900; 727800, 4155900; 728500, 4155600; 730200, 4155600; 731600, 4155500; 732400, 4155400; 732600, 4155200; 733200, 4154700; 734100, 4154900; 734600, 4154800; 735600, 4156000; 735900, 4156000; 737100, 4155400; 737800, 4155000; 738200, 4154200; 738300, 4153300; 739000, 4152800; 739100, 4152200; 740200, 4151800; 740800, 4151500; 740800, 4150300; 741100, 4149900; 741700, 4149400; 742100, 4148500; 742100, 4147100; 743400, 4146100; 744000, 4145600; 744400, 4144600; 744300, 4143900; 743900, 4142700; 744000, 4142000; 744200, 4141700; 745500, 4140300; 745500, 4139600; 745500, 4139500; 745400, 4139400; thence southwest to y-coordinate 4139300 on Bear Creek; thence southwest along Bear Creek to y-coordinate 4133300; thence west to the point of beginning at 734700, 4133300.

(5) *Unit 2*: Merced, Mariposa and Madera counties, California.

(i) From USGS 1:24,000 quadrangle maps Le Grand, Owens Reservoir, Plainsburg, Planada, and Raynor Creek, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 745500, 4139300; 745500, 4139100; 745500, 4137700; 746600, 4137100; 747300, 4137300; 747200, 4135800; 747600, 4135300; 747600, 4134800; 748100, 4134400; 747800, 4133700; 748400, 4133300; 748600, 4133900; 749500, 4133400; 749600, 4132100; 750400, 4131600; 750100, 4129800; 753100, 4129800; 754000, 4129300; 753400, 4128400; 752500, 4126600; 752300, 4126400; 752200, 4125500; 752800, 4125600; 753900, 4125000; 755000, 4125700; 755100, 4125300; 755900, 4125200; 756100, 4124900; 757100, 4124900; 757300, 4124400; 756700, 4124000; 757000, 4123700; 757600, 4123900; 757900, 4123200; 758400, 4122900; 759200, 4122900; 760300, 4121300; 761000, 4121000; 761300, 4120300; 762100, 4119400; thence south to x-coordinate 762100 on the Chowchilla River; thence southwest along the Chowchilla River to Ash Slough; thence southwest along

Ash Slough to x-coordinate 751800; thence north to 751800, 4114900; 751600, 4115400; 752000, 4115800; 751900, 4116000; 751400, 4116100; 751100, 4116300; 751100, 4116700; 750700, 4116700; 749900, 4116500; 745100, 4116500; 745100, 4117700; 744500, 4117800; 744500, 4118500; 743500, 4118500; 743500, 4119100; 745300, 4119600; 744600, 4119600; 744600, 4120700; 745500, 4120700; 745800, 4121600; 745400, 4121600; 745400, 4121800; 746100, 4121800; 746200, 4122200; 747500, 4122400; 747500, 4123900; 747000, 4124700; 746900, 4125100; 743600, 4125000; 743600, 4127000; 742700, 4127000; 741900, 4127000; 741900, 4128700; 742700, 4128700; 743500, 4129600; 743500, 4132200; 744000, 4133400; 742700, 4133400; 742600, 4133500; 741500, 4132900; 740900, 4132200; 740800, 4132600; 740300, 4132600; 740300, 4133500; 741000, 4133500; 741000, 4133900; 741900, 4133900; 741800, 4135800; 741000, 4135800; 741000, 4136400; thence north to x-coordinate 741000 on Bear Creek; thence northeast along Bear Creek to y-coordinate 4139300; thence east to the point of beginning at 745500, 4139300.

(6) *Unit 3*: Madera County, California.

(i) From USGS 1:24,000 quadrangle maps Le Grand, Owens Reservoir, Plainsburg, Planada, and Raynor Creek, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 766600, 4105100; 764500, 4105000; 764500, 4106400; 764800, 4106300; 765200, 4106400; 765700, 4106500; 765900, 4106700; 766100, 4106700; 766100, 4106700; 766100, 4106500; 766300, 4106400; 766600, 4106300; 766700, 4106300; 766600, 4107800; 765200, 4107800; 764400, 4108600; 764100, 4109100; 763300, 4109500; 763200, 4109800; 764800, 4109900; 764700, 4112300; 766400, 4112300; thence east to UTM zone 11, land bounded by the following UTM 11 NAD 83 coordinates (E, N): 233400, 4112300; 233500, 4112300; 234100, 4112200; 234700, 4112200; 235500, 4112900; 235700, 4112600; 235700, 4111500; 236200, 4111800; 236400, 4111800; 236800, 4111300; 236400, 4110800; 236400, 4109500; 237000, 4108700; 237600, 4108600; 238400, 4109300; 241300, 4109300; 242100, 4108700; 242100, 4107300; 242100, 4106800; 242300, 4106800; 244300, 4105600; 245200, 4104700; 245800, 4103600; 246100, 4102700; 246500, 4101800; 246800, 4101300; 247200, 4100900; 248300, 4100900; 248900, 4101400; 250200, 4101400; 250100, 4099500; 251400, 4097600; 251400, 4095900; 252000, 4096200; 252700, 4096200; 252700,

4095700; 252500, 4095700; 252100, 4095600; 252100, 4094800; 250500, 4094800; 250400, 4093200; 253300, 4093200; 253300, 4092800; 253600, 4091300; 253400, 4090500; 251100, 4089300; 251100, 4089300; 247000, 4089400; 245400, 4089400; 245400, 4090100; 245500, 4093000; 242300, 4093100; 242300, 4095000; 242500, 4095100; 244000, 4095000; 244000, 4096700; 244800, 4096600; 244900, 4098200; 245700, 4098200; 245700, 4099800; 242500, 4100000; 242400, 4095200; 242300, 4095200; 237600, 4095200; 237600, 4096200; 237700, 4098500; 239600, 4098400; 239700, 4100000; 236100, 4100100; 236100, 4100400; 237000, 4102700; 237000, 4104300; 237000, 4104900; 234800, 4105000; 234700, 4105300; 234600, 4105300; 234100, 4105100; 233200, 4105100; thence west to UTM zone 10 to the point of beginning at UTM 10 NAD 83 coordinates 766600, 4105100.

(7) *Unit 4*: Fresno County, California.

(i) From USGS 1:24,000 quadrangle map Friant, California, land bounded by the following UTM 11 NAD 83 coordinates (E, N): 260100, 4086600; 259200, 4086600; 259200, 4087700; 259600, 4087500; 260000, 4087500; 260100, 4087900; 259700, 4088100; 258500, 4088200; 258000, 4088300; 258000, 4089100; 258500, 4089300; 258500, 4089800; 258300, 4089800; 257700, 4089200; 256600, 4089200; 256600, 4090200; 256800, 4090800; 256900, 4092700; 257200, 4094300; 257300, 4095500; 258600, 4096700; 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; 261500, 4089500; 261400, 4088200; 261100, 4088200; 261100, 4087400; 260200, 4087400; returning to 260100, 4086600.

(8) *Subunit 5A*: Madera County, California.

(i) From USGS 1:24,000 quadrangle maps Millerton Lake East and North Fork, California, land bounded by the following UTM 11 NAD 83 coordinates (E, N): 271200, 4106800; 270200, 4106800; 269900, 4107000; 269900, 4107600; 270100, 4108600; 269300,

4108300; 269000, 4108700; 268500, 4108700; 268300, 4110000; 268800, 4110400; 268900, 4111000; 268300, 4111300; 268500, 4111500; 268600, 4112300; 268800, 4112400; 270600, 4112400; 270800, 4112100; 270700, 4111300; 269600, 4110800; 269700, 4110500; 270000, 4110200; 270600, 4109700; 270800, 4108800; 271300, 4108400; 271500, 4107800; 271600, 4107300; returning to 271200, 4106800.

(9) *Subunit 5B*: Fresno County, California.

(i) 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.

(10) *Subunit 6A*: Tulare County, California.

(i) From USGS 1:24,000 quadrangle maps Monson and Traver, California, land bounded by the following UTM 11 NAD 83 coordinates (E, N): 293800, 4034000; 292500, 4034000; 292600, 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,

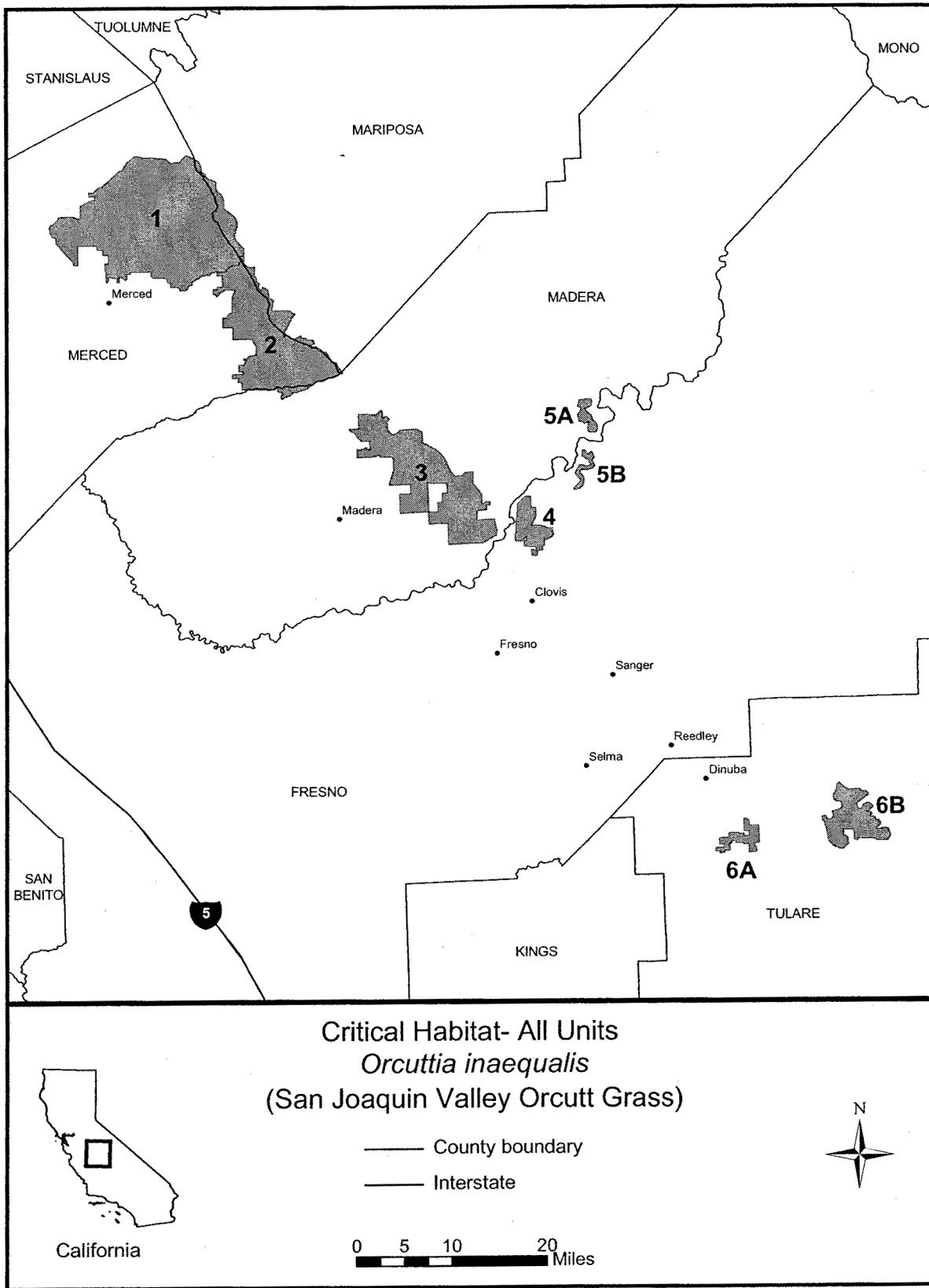
4037200; 291800, 4037200; 291900, 4036800; 292700, 4036800; 292700, 4037600; 291900, 4037700; 292000, 4039700; 292500, 4039700; 292500, 4039400; 292800, 4039400; 292800, 4038500; 294400, 4038500; 294300, 4035500; 293500, 4035500; 293500, 4034800; 293800, 4034800; returning to 293800, 4034000.

(11) *Subunit 6B*: Tulare County, California.

(i) 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): 308300, 4033500; 307800, 4033500; 306600, 4034100; 305900, 4035100; 305700, 4036700; 305300, 4038400; 305000, 4038600; 305000, 4039200; 305300, 4039300; 305600, 4039300; 306000, 4038600; 306500, 4038600; 306900, 4039000; 306800, 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; 311200, 4040000; 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; 315900, 4034500; 314100, 4034600; 313400, 4034900; 311100, 4035100; 310700, 4034800; 310500, 4034800; 310200, 4035000; 310200, 4036600; 309800, 4036700; 308500, 4036700; 308400, 4035800; 309100, 4035400; 309100, 4034200; returning to 308300, 4033500.

(12) Map follows of all critical habitat units for *Orcuttia inaequalis* (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, Butte, Glenn, Colusa, Stanislaus, Merced, Madera, 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 man-made 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) *Unit 1*: Tehama and Butte counties, California.

(i) 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): 583100, 4413100; 582900, 4413400; 582900, 4415900; 582000, 4418300; 581800, 4419200; 582000, 4419500; 581400, 4420000; 581400, 4420400; 581800, 4420700; 581600, 4421000; 583200, 4422600; 583500, 4423600; 585200, 4424500; 586000, 4424500; 587500, 4426100; 588200, 4426500; 588800, 4430200; 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, 4414000; 586400, 4413800; 586200, 4413600; 586200, 4413400; 584200, 4413400; returning to 583100, 4413100.

(5) *Unit 2*: Butte County, California.

(i) From USGS 1:24,000 quadrangle map Hamlin Canyon, California, land

bounded by the following UTM 10 NAD 83 coordinates (E, N): 611100, 4387700; 610400, 4388500; 610300, 4388800; 609200, 4389800; 609100, 4390100; 610200, 4391100; 610300, 4391400; 611100, 4391400; 611500, 4391300; 612500, 4390200; 613300, 4389600; 613300, 4388900; 613200, 4388400; 612800, 4388000; 612100, 4387900; 611500, 4387900; returning to 611100, 4387700.

(6) *Unit 3*: Glenn and Colusa counties, California.

(i) From USGS 1:24,000 quadrangle maps Logandale, Maxwell, Moulton Weir, and Princeton, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 572900, 4357400; 571200, 4357400; 571200, 4358200; 570400, 4358200; 570400, 4359000; 569600, 4359000; 569500, 4360500; 569300, 4362200; 569500, 4363300; 569500, 4367200; 570000, 4367200; 569900, 4368400; 570300, 4368400; 571000, 4367600; 571000, 4367800; 570700, 4368500; 570900, 4368800; 571500, 4368800; 571900, 4368300; 571900, 4367600; 572100, 4367600; 572400, 4368100; 572400, 4368400; 572600, 4368900; 572800, 4368900; 573000, 4368100; 573400, 4368000; 573800, 4367600; 574100, 4367300; 574400, 4367200; 574500, 4366400; 574900, 4366400; 574900, 4365600; 574700, 4365500; 574400, 4364100; 575200, 4363900; 575600, 4363600; 575100, 4362400; 575600, 4361400; 575100, 4360700; 576000, 4359600; 575500, 4358900; 575700, 4358300; 575900, 4357700; 575300, 4357800; 575000, 4357700; 574700, 4357700; 573600, 4357800; 573500, 4358200; 572900, 4358200; returning to 572900, 4357400.

(7) *Unit 4*: Stanislaus, Merced and Mariposa counties, California.

(i) 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): 715900, 4154900; 715400, 4155600; 715300, 4156600; 715100, 4156600; 715000, 4156200; 714800, 4156100; 714800, 4155800; 714700, 4155600; 714200, 4155600; 714000, 4155400; 713800, 4155400; 712600, 4155200; 712600, 4157100; 711200, 4157100; 711100, 4161900; 706300, 4161800; 706100, 4165000; 702900, 4165100; 702500, 4165200; 702500, 4165900; 702600, 4166600; 703700, 4167200; 704600, 4168200; 704900, 4168200; 705300, 4167800; 705900, 4167800; 707000, 4167500; 707700, 4167600; 708100, 4167300; 709400, 4167300; 709600, 4167300; 710200, 4166800; 711000, 4167600; 711600, 4167800; 712600, 4167800;

713200, 4167600; 713200, 4167200; 712900, 4167200; 712600, 4166900; 711800, 4167000; 711600, 4166800; 711600, 4166600; 711800, 4166500; 711800, 4166600; 711900, 4166600; 712000, 4166300; 712100, 4166500; 712200, 4166500; 712300, 4166400; 712500, 4166400; 712500, 4166200; 712700, 4166200; 712700, 4166300; 712800, 4166300; 713000, 4166100; 712800, 4166000; 712700, 4165800; 712500, 4165800; 712500, 4165600; 712700, 4165600; 712600, 4165400; 712400, 4165500; 712300, 4165400; 712500, 4165300; 712500, 4165200; 712400, 4165100; 712600, 4165100; 712600, 4164900; 712700, 4164800; 712600, 4164700; 712500, 4164800; 712400, 4164800; 712400, 4164300; 712800, 4164500; 713100, 4164300; 713200, 4164100; 712900, 4163800; 712900, 4163700; 713100, 4163800; 713500, 4164000; 713600, 4164000; 713600, 4164100; 713700, 4164300; 714200, 4164300; 714400, 4164500; 714500, 4164800; 714600, 4164800; 714800, 4164700; 714800, 4164200; 714400, 4164000; 714400, 4163600; 714500, 4163500; 715200, 4164000; 715300, 4164200; 715400, 4164200; 715300, 4163900; 715100, 4163700; 715000, 4163500; 714800, 4163300; 714900, 4163200; 715000, 4163200; 715700, 4163200; 715900, 4163100; 716000, 4162900; 716100, 4162800; 716200, 4162800; 716300, 4162900; 716400, 4163000; 716500, 4163100; 716600, 4163200; 716600, 4163500; 716500, 4163600; 716500, 4163800; 716600, 4164100; 716800, 4164500; 716700, 4164900; 716800, 4165300; 717200, 4165800; 717200, 4166100; 717000, 4166400; 716600, 4166400; 716400, 4166300; 716400, 4167000; 716600, 4167200; 716600, 4167300; 717000, 4167400; 717500, 4167400; 718100, 4167300; 718500, 4167100; 718600, 4166600; 718700, 4166400; 719100, 4166700; 719300, 4166800; 719800, 4166800; 719500, 4167400; 719500, 4167600; 719700, 4167800; 720500, 4167800; 720700, 4167700; 720900, 4167500; 721100, 4167400; 721300, 4167700; 721700, 4167700; 722000, 4167600; 722500, 4167600; 722900, 4167500; 723300, 4167400; 723000, 4168400; 723000, 4169200; 723300, 4169700; 723800, 4169800; 724100, 4169800; 724600, 4169200; 724700, 4168300; 725100, 4167900; 725300, 4167200; 726200, 4167100; 726500, 4166800; 726500, 4166600; 727300, 4166000; 727700, 4165800; 729000, 4165800; 730100, 4165400; 730400, 4165100; 730500, 4164900; 730700, 4164100; 731300, 4164100; 731700, 4163800; 731800, 4163400; 732200, 4162800;

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;  
 727100, 4156700; 726900, 4156400;  
 725900, 4156400; 723900, 4155300;  
 723300, 4155400; 722500, 4155000;  
 722300, 4155000; 722300, 4157400;  
 723800, 4157500; 723700, 4159000;  
 722500, 4159000; 722200, 4159300;  
 720900, 4159300; 720900, 4158500;  
 719700, 4158500; 719700, 4158100;  
 719100, 4158000; 718700, 4157600;  
 718000, 4157700; 717800, 4157400;  
 717900, 4157200; 718000, 4157000;  
 718400, 4157300; 718700, 4156700;  
 718700, 4156300; 717400, 4156300;  
 717000, 4155800; 716600, 4155800;  
 716300, 4155700; 716200, 4155000;  
 returning to 715900, 4154900.

(8) *Unit 5: Madera County, California.*

(i) From USGS 1:24,000 quadrangle maps Daulton, Kismet, Raymond, and Raynor Creek, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 766500, 4107800; 765200, 4107800; 764700, 4108100; 764100, 4109200; 763400, 4109300; 763200, 4109800; 761500, 4109800; 761500, 4111300; 759800, 4111300; 759800, 4112500; 759700, 4117100; 760400, 4117100; 760500, 4118000; 762100, 4118900; 762800, 4118000; 763300, 4117200; 763500, 4117600; 763700, 4117600; 764100, 4117300; 764200, 4116800; 764500, 4115900;

765400, 4115900; 765400, 4116400;  
 766100, 4116400; 766100, 4115800;  
 765900, 4114300; thence southeast to  
 UTM zone 11, land bounded by the  
 following UTM 11 NAD 83 coordinates  
 (E, N): 233400, 4114200; 233900,  
 4114300; 234200, 4114300; 234200,  
 4113900; 234300, 4112700; 234900,  
 4112700; 235500, 4112900; 235700,  
 4112600; 235700, 4111500; 236200,  
 4111800; 236400, 4111800; 236800,  
 4111300; 236400, 4110800; 236400,  
 4109500; 237000, 4108700; 237600,  
 4108600; 238400, 4109300; 241300,  
 4109300; 242100, 4108700; 242100,  
 4107300; 240900, 4106000; 239300,  
 4104100; 238900, 4104300; 238500,  
 4104600; 238100, 4104300; 237100,  
 4104300; 237100, 4105800; 237000,  
 4106800; 236000, 4107000; 235800,  
 4107100; 234900, 4107100; 234300,  
 4107200; 233900, 4108200; 233200,  
 4108000; thence southwest to UTM  
 zone 10 to the point of beginning at  
 UTM 10 NAD 83 coordinates 766500,  
 4107800.

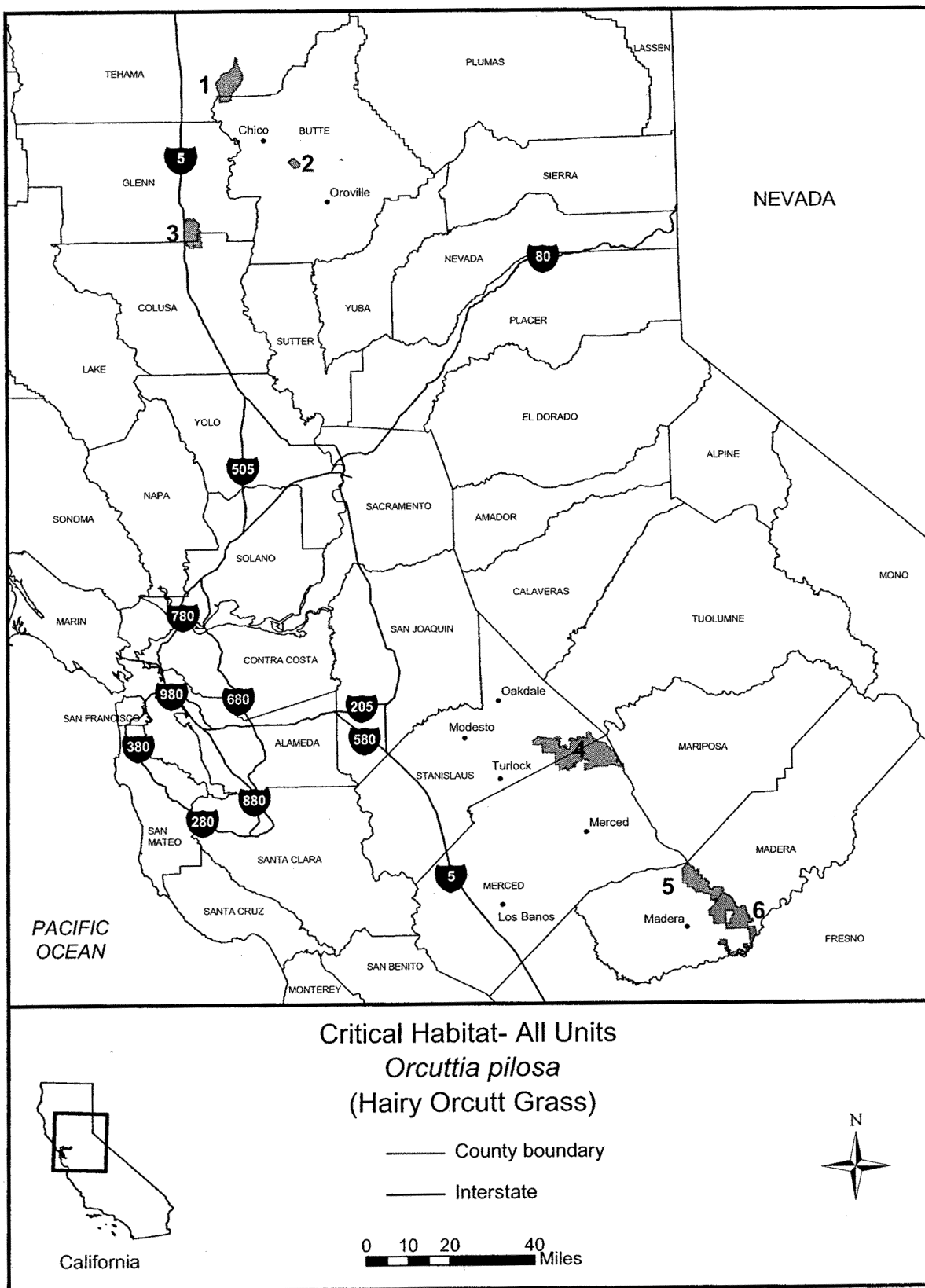
(9) *Unit 6: Madera and Fresno  
 Counties, California.*

(i) From USGS 1:24,000 quadrangle maps Daulton, Fresno North, Gregg, Herndon, Lanes Bridge, and Little Table Mtn., California, land bounded by the following UTM 11 NAD 83 coordinates (E, N): 239300, 4104100; 240900, 4106000; 242100, 4107300; 242100, 4106800; 242300, 4106800; 244300, 4105600; 245200, 4104700; 245800, 4103600; 246100, 4102700; 246500, 4101800; 246800, 4101300; 247200, 4100900; 248300, 4100900; 248900, 4101400; 250200, 4101400; 250200, 4100200; 250700, 4098600; 250700, 4097700; 251400, 4097600; 251400, 4095900; 252000, 4096200; 252700, 4096200; 252800, 4095200; 252500, 4095700; 252100, 4095600; 252100, 4094800; 250500, 4094800; 250400,

4093200; 253300, 4093200; 253300,  
 4092800; 253800, 4090400; 253200,  
 4089700; 252600, 4089000; 252400,  
 4087900; 252200, 4087700; 251900,  
 4086900; 251800, 4086300; 250200,  
 4085000; 250200, 4084300; 249300,  
 4083200; 248600, 4082700; 248000,  
 4082700; 246400, 4083400; 245900,  
 4083400; 244700, 4082300; 244000,  
 4082300; 243400, 4082800; 242500,  
 4083300; 242500, 4084100; 242000,  
 4084300; 242000, 4084700; 241700,  
 4084700; 241700, 4085500; 241300,  
 4085500; 241300, 4087100; 239100,  
 4087100; 238800, 4087200; 238800,  
 4087800; 239100, 4088100; 239600,  
 4088100; 239600, 4088900; 242200,  
 4088800; 242200, 4086000; 242600,  
 4086000; 242600, 4084700; 243400,  
 4084700; 243400, 4083500; 244400,  
 4083500; 244500, 4083900; 246100,  
 4083900; 246100, 4084500; 246500,  
 4084900; 247000, 4084900; 247000,  
 4084600; 247800, 4084600; 247800,  
 4083800; 249300, 4083800; 249400,  
 4085300; 248500, 4085300; 248500,  
 4086600; 250000, 4086600; 250000,  
 4085900; 250300, 4085400; 251000,  
 4086000; 251200, 4087100; 251100,  
 4089300; 251000, 4092200; 250400,  
 4092200; 250400, 4092800; 245500,  
 4093000; 242300, 4093100; 242300,  
 4095000; 242500, 4095100; 244000,  
 4095000; 244000, 4096700; 244800,  
 4096600; 244900, 4098200; 245700,  
 4098200; 245700, 4099800; 242500,  
 4100000; 242400, 4095200; 242300,  
 4095200; 237600, 4095200; 237600,  
 4096200; 237700, 4098500; 236100,  
 4098500; 236100, 4100100; 236100,  
 4100400; 237500, 4101900; 238400,  
 4102700; 238800, 4103300; returning to  
 239300, 4104100.

(10) Map follows of all critical habitat units for *Orcuttia pilosa* (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, Butte, Plumas, Lake, and

Sacramento 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 man-made 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) *Subunit 1A*: Siskiyou, Modoc and Shasta counties, California.

(i) From USGS 1:24,000 quadrangle maps Day and Timbered Crater, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 635000, 4555400; 633500, 4557100; 633000, 4558400; 631100, 4560000; 630400, 4560200; 627700, 4561300; 626000, 4561600; 626000, 4562200; 626200, 4562900; 625700, 4564200; 626100, 4565000; 627100, 4566500; 627900, 4567000; 628900, 4567000; 629500, 4566700; 630000, 4566600; 630300, 4566300; 630600, 4565700; 630800, 4565600; 630900, 4564900; 630600, 4563700; 630300, 4563500; 629900, 4563400; 630000, 4563000; 630300, 4562500; 630500, 4562700; 630800, 4562700; 631100, 4562600; 631400, 4562300; 632200, 4562100; 632600, 4561700; 632900, 4561700; 633200, 4561900; 633600, 4561800; 633900, 4561800; 634200, 4561500; 634500, 4561300; 634600, 4560900; 635000, 4560700; 635100, 4561000; 635300, 4561300; 635400, 4561600; 637300, 4560000; 637400,

4559300; 637000, 4557700; 636000, 4555600; returning to 635000, 4555400.

(5) *Subunit 1B*: Shasta County, California.

(i) From USGS 1:24,000 quadrangle maps Burney Falls and Dana, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 617200, 4548600; 616900, 4548600; 616800, 4549000; 615900, 4549500; 615700, 4549800; 615200, 4549900; 614900, 4550100; 614900, 4550500; 615400, 4550700; 615900, 4550800; 616100, 4550900; 616500, 4550600; 616800, 4550500; 617100, 4550000; 617300, 4549400; 617400, 4549100; 617500, 4548700; returning to 617200, 4548600.

(6) *Subunit 1C*: Shasta County, California.

(i) From USGS 1:24,000 quadrangle maps Burney and Burney Falls, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 614100, 4535000; 613400, 4535200; 612700, 4535200; 612500, 4535000; 612000, 4535200; 611700, 4535900; 611700, 4537000; 611500, 4538200; 611400, 4538600; 611900, 4538700; 612300, 4539200; 612400, 4539700; 613800, 4539100; 614300, 4539400; 614600, 4539200; 614400, 4538400; 614400, 4535300; returning to 614100, 4535000.

(7) *Subunit 1D*: Shasta County, California.

(i) From USGS 1:24,000 quadrangle map Burney, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 611800, 4528900; 611100, 4528900; 610800, 4529000; 610100, 4529600; 609500, 4529700; 609300, 4530000; 608200, 4530700; 607600, 4530900; 607200, 4532300; 605800, 4533500; 606300, 4533900; 606800, 4534500; 607500, 4535500; 608100, 4536000; 609700, 4536000; 610300, 4535500; 610500, 4535000; 610600, 4534600; 610500, 4533700; 610800, 4532700; 612400, 4531100; 612600, 4530600; returning to 611800, 4528900.

(8) *Subunit 1E*: Shasta County, California.

(i) 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): 634400, 4509200; 634000, 4510000; 633800, 4510700; 634100, 4510800; 634100, 4512300; 633600, 4512700; 633500, 4513000; 633600, 4513000; 633800, 4513100; 633900, 4513400; 634100, 4513500; 634400, 4513200; 634700, 4513200; 635000, 4513400; 635800, 4513400; 636000, 4513100; 636100, 4512800; 636200, 4512700; 636500, 4512700; 635900, 4512200; 635900, 4510600; 636300,

4509900; 635900, 4509600; returning to 634400, 4509200.

(9) *Subunit 1F*: Lassen County, California.

(i) 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): 644800, 4500100; 644300, 4500300; 643500, 4500400; 642400, 4500800; 641500, 4501500; 641200, 4502700; 641600, 4504500; 643500, 4505500; 645100, 4505200; 645300, 4506300; 646300, 4507900; 647300, 4508600; 648800, 4508600; 649100, 4508800; 650600, 4508800; 651400, 4508300; 652000, 4507200; 652200, 4505700; 651500, 4504500; 650700, 4504100; 650400, 4503700; 650900, 4502000; 650400, 4501200; 650200, 4501200; 649600, 4502800; 649100, 4503200; 647400, 4504400; 647200, 4504300; 646800, 4503400; 647500, 4501700; 647500, 4500700; 646800, 4500300; returning to 644800, 4500100.

(10) *Subunit 1G*: Lassen County, California.

(i) From USGS 1:24,000 quadrangle maps Bogard Buttes, Harvey Mtn., Pine Creek Valley, and Poison Lake, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 661600, 4495200; 661300, 4495200; 660100, 4496700; 659300, 4497700; 657500, 4499000; 655500, 4500700; 655000, 4501200; 654900, 4501700; 654900, 4502100; 655600, 4501800; 656600, 4502800; 657700, 4503200; 659900, 4503700; 661400, 4504600; 662200, 4505200; 662900, 4505100; 663600, 4504700; 664200, 4504500; 664400, 4504300; 664400, 4503100; 664100, 4503000; 662800, 4502300; 661600, 4501100; 661300, 4499600; 661600, 4497900; 661800, 4497500; 662700, 4496800; returning to 661600, 4495200.

(11) *Subunit 1H*: Shasta County, California.

(i) From USGS 1:24,000 quadrangle maps Old Station and West Prospect Peak, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 631700, 4490800; 631300, 4491000; 630900, 4491600; 630300, 4491600; 630000, 4491600; 629800, 4491900; 629800, 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; 634300, 4496700; 634600, 4496000; 634700, 4495800; 635100, 4495200; 635400, 4494700; 635600, 4494500; 635500,



4493900; 635400, 4493400; 635600, 4492800; 635700, 4492500; 635600, 4492400; 634500, 4492400; 633800, 4492600; 632800, 4492600; 632400, 4492300; 632700, 4491800; 632800, 4491400; 632000, 4490900; and 631700, 4490800.

(12) *Subunit 1I*: Plumas County, California.

(i) 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.

(13) *Subunit 2A*: Shasta County, California.

(i) 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; 557900, 4489000; 557900, 4489900; 558000, 4490000; 558000, 4490500; 557900, 4490800; 557900, 4491800; 558400, 4491800; 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.

(14) *Subunit 2B*: Shasta County, California.

(i) 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): 564200, 4480800; 564000, 4480800; 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; 560900, 4483900; 560900, 4483500; 560500, 4482600; 560100, 4482500; 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; 559200, 4487400; 559300, 4486800; 559800,

4486500; 560100, 4486500; 560300, 4485800; 560400, 4485600; 560600, 4485300; 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; 564700, 4483800; 564900, 4483600; 564900, 4483400; 564500, 4483000; 564500, 4482800; 564600, 4482700; 564600, 4482400; 564400, 4482100; 564500, 4481700; 564500, 4481000; returning to 564200, 4480800.

(15) *Subunit 2C*: Shasta County, California.

(i) 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.

(16) *Unit 3*: Shasta and Tehama Counties, California.

(i) 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; 565300, 4463200; 566400, 4464000; 566700, 4464200; 566800, 4464100; 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; 570700, 4467600; 570300, 4467700; 570300, 4467900; 570700, 4469000; 570700, 4469400; 569900, 4470200; 569600, 4470200; 569300, 4470200; 569000, 4470600; 569000, 4471300; 569400, 4472000; 569500, 4472400; 569900, 4472400; 570400, 4472300; 572100, 4472800; 572700, 4472500; 574100, 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.

(17) *Unit 4*: Tehama and Butte counties, California.

(i) 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): 583100, 4413100; 582900, 4413400; 582900, 4415900; 582000, 4418300; 581800, 4419200; 582000, 4419500; 581400, 4420000; 581400, 4420400; 581800, 4420700; 581600, 4421000; 583200, 4422600; 583500, 4423600; 585200, 4424500; 584900, 4424900; 582900, 4424300; 581300, 4422800; 581000, 4422600; 580500, 4422800; 579800, 4424400; 579500, 4425400; 580300, 4426100; 581700, 4427000; 583400, 4427100; 584000, 4427200; 585000, 4428300; 586700, 4429000; 588800, 4430200; 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, 4414000; 586400, 4413800;  
586200, 4413600; 586200, 4413400;  
584200, 4413400; returning to 583100,  
4413100.

(18) *Subunit 5A*: Lake County,  
California.

(i) 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.

(19) *Subunit 5B*: Lake County,  
California.

(i) From USGS 1:24,000 quadrangle  
map 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.

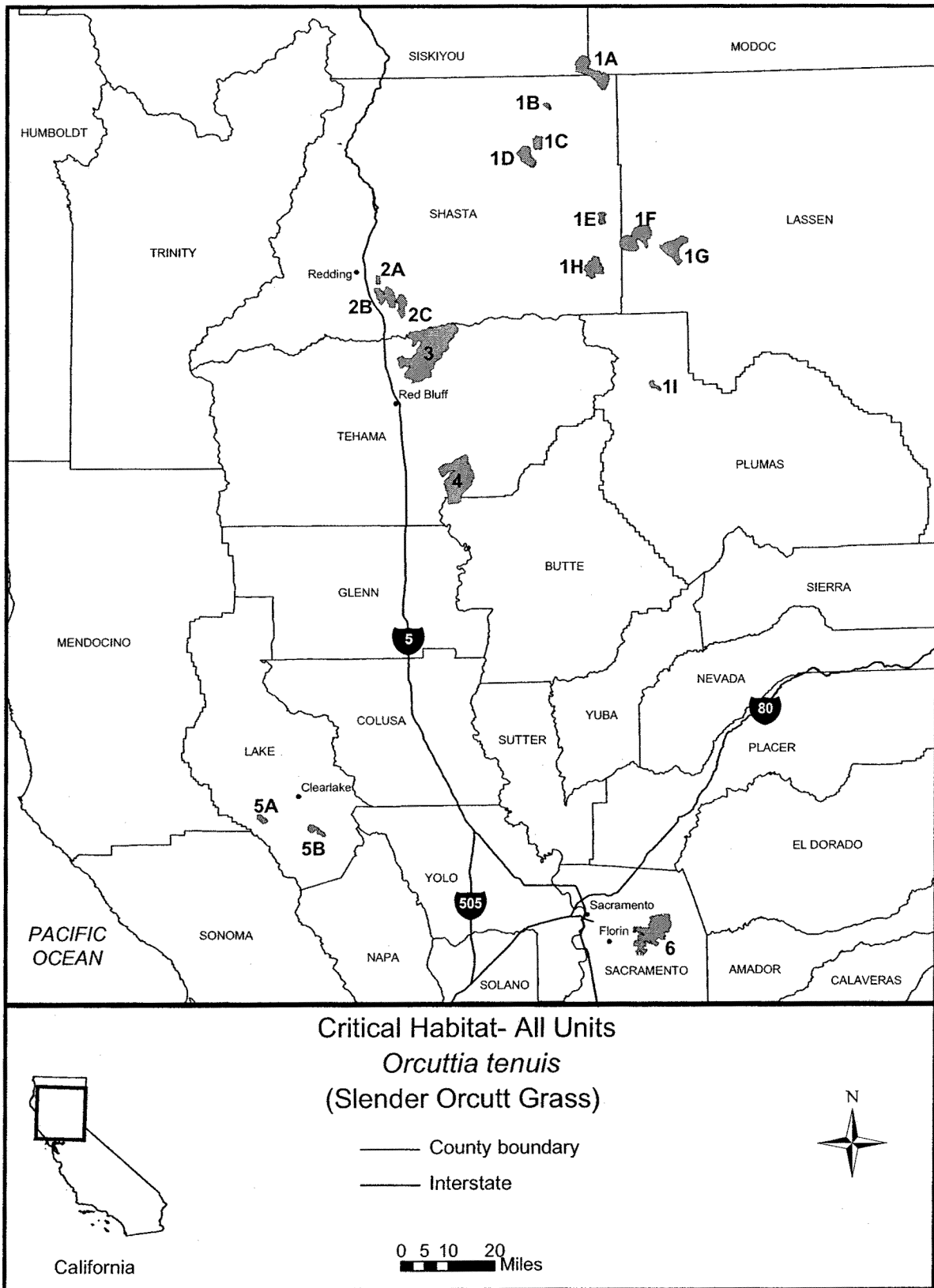
(20) *Unit 6*: Sacramento County,  
California.

(i) From USGS 1:24,000 quadrangle  
maps Buffalo Creek, Carmichael, Elk  
Grove, and Sloughhouse, California,  
land bounded by the following UTM 10  
NAD 83 coordinates (E, N): 650200,  
4257200; 650200, 4258300; 649600,  
4258300; 649600, 4257400; 649400,  
4257400; 649400, 4259000; 649100,  
4259000; 649100, 4258500; 648500,  
4258500; 648500, 4257400; 648200,  
4257400; 648100, 4258300; 647700,  
4258600; 647700, 4258900; 647900,  
4258900; 648500, 4259400; 648500,  
4260600; 647000, 4260600; 647000,  
4261200; 647300, 4262300; 648400,  
4262300; 648400, 4264000; 649000,  
4264500; 649500, 4264500; 650200,  
4264200; 650400, 4264200; 650400,  
4264600; 649900, 4264700; 649900,  
4265000; 648700, 4265000; 648700,  
4265300; 647900, 4265300; 647900,  
4265700; 647100, 4265200; 646700,  
4265200; 646700, 4265400; 646900,  
4265900; 647000, 4266200; 646800,  
4266400; 646800, 4266700; 647000,  
4267200; 647200, 4267100; 647400,  
4266300; 647500, 4266300; 647700,  
4267000; 649200, 4267100; 649200,  
4266700; 651200, 4266600; 651500,  
4266400; 652400, 4266900; 652400,  
4267300; 652000, 4267700; 652000,  
4267800; 652800, 4268900; 653000,  
4269400; 652500, 4270300; 652600,  
4270400; 652700, 4270500; 653100,  
4270500; 653400, 4270800; 653600,  
4270800; 653800, 4270400; 654400,  
4270800; 654800, 4270900; 655200,

4271100; 655500, 4271100; 655800,  
4270900; 656000, 4270900; 656200,  
4271300; 656300, 4271300; 656500,  
4271400; 656600, 4271400; 656600,  
4271000; 656900, 4270800; 657300,  
4270800; 657300, 4271400; 657500,  
4271500; 657800, 4271400; 658000,  
4271300; 658900, 4271300; 658900,  
4271000; 659100, 4271000; 659200,  
4270900; 659200, 4270800; 659100,  
4269300; 659700, 4268900; 659700,  
4268000; 659500, 4267000; 659300,  
4266700; 659000, 4266400; 658800,  
4265100; 658000, 4265500; 657600,  
4265000; 657500, 4264300; 657900,  
4263900; 657700, 4263600; 657200,  
4263600; 657200, 4263100; 657600,  
4263000; 657700, 4262900; 657700,  
4262800; 657400, 4262700; 656700,  
4262700; 656500, 4262700; 655400,  
4263400; 654400, 4262200; 655500,  
4261500; 655500, 4261100; 655200,  
4260800; 655200, 4260700; 654900,  
4260400; 653500, 4261300; 653200,  
4261000; 653100, 4262300; 652800,  
4262300; 652800, 4261400; 652600,  
4261300; 652300, 4261400; 651700,  
4261800; 651600, 4262100; 650700,  
4262100; 650700, 4261800; 651100,  
4261700; 651200, 4261400; 651200,  
4260600; 651000, 4260400; 650400,  
4260400; 650400, 4259300; 651600,  
4259300; 651600, 4259100; returning to  
650200, 4257200.

(21) Map follows of all critical habitat  
units for *Orcuttia tenuis* (slender Orcutt  
grass).

BILLING CODE 4310-55-P



BILLING CODE 4310-55-C

Family Poaceae: *Orcuttia viscida*  
(Sacramento Orcutt Grass).

(1) Critical habitat units are depicted for Sacramento and Amador counties, California, on the map below.

(2) The primary constituent elements of critical habitat for *Orcuttia viscida* 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 viscida* germination, growth and reproduction, including but not limited to vernal pools on high terrace landforms on acidic soils such as Red Bluff, Redding, and Corning soil series. 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 viscida* germination, growth and reproduction, and dispersal, but not necessarily every year.

(3) Critical habitat does not include existing man-made 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) *Unit 1: Sacramento County, California.*

(i) From USGS 1:24,000 quadrangle map Folsom, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 655300, 4279300; 654900, 4279400; 654900, 4279800; 655100, 4279800; 655200, 4280200; 655400, 4280200; 655500, 4280000; 655300, 4279800; returning to 655300, 4279300.

(5) *Unit 2: Sacramento County, California.*

(i) From USGS 1:24,000 quadrangle maps Buffalo Creek, Carmichael, Elk Grove, and Sloughhouse, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 650200, 4257200; 650200, 4258300; 649600, 4258300; 649600, 4257400; 649400, 4257400; 649400, 4259000; 649100, 4259000; 649100, 4258500; 648500, 4258500; 648200, 4257400; 648100, 4258300; 647700, 4258600; 647700, 4258900; 647900, 4258900; 648500, 4259400; 648500, 4260600; 647000, 4260600; 647000, 4261200; 647300, 4262300; 648400, 4262300; 648400, 4264000; 649000, 4264500; 649500, 4264500; 650200, 4264200; 650400, 4264200; 650400, 4264600; 649900, 4264700; 649900,

4265000; 648700, 4265000; 648700, 4265300; 647900, 4265300; 647900, 4265700; 647100, 4265200; 646700, 4265200; 646700, 4265400; 646900, 4265900; 647000, 4266200; 646800, 4266400; 646800, 4266700; 647000, 4267200; 647200, 4267100; 647400, 4266300; 647500, 4266300; 647700, 4267000; 649200, 4267100; 649200, 4266700; 651200, 4266600; 651500, 4266400; 652400, 4266900; 652400, 4267300; 652000, 4267700; 652000, 4267800; 652800, 4268900; 653000, 4269400; 652500, 4270300; 652600, 4270400; 652700, 4270500; 653100, 4270500; 653400, 4270800; 653600, 4270800; 653800, 4270400; 654400, 4270800; 654800, 4270900; 655200, 4271100; 655500, 4271100; 655800, 4270900; 656000, 4270900; 656200, 4271300; 656300, 4271300; 656500, 4271400; 656600, 4271400; 656600, 4271000; 656900, 4270800; 657300, 4270800; 657300, 4271400; 657500, 4271500; 657800, 4271400; 658000, 4271300; 658900, 4271300; 658900, 4271000; 659100, 4271000; 659200, 4270900; 659200, 4270800; 659100, 4269300; 659700, 4268900; 659700, 4268000; 659500, 4267000; 659300, 4266700; 659000, 4266400; 658800, 4265100; 658000, 4265500; 657600, 4265000; 657500, 4264300; 657900, 4263900; 657700, 4263600; 657200, 4263600; 657200, 4263100; 657600, 4263000; 657700, 4262900; 657700, 4262800; 657400, 4262700; 656700, 4262700; 656500, 4262700; 655400, 4263400; 654400, 4262200; 655500, 4261500; 655500, 4261100; 655200, 4260800; 655200, 4260700; 654900, 4260400; 653500, 4261300; 653200, 4261000; 653100, 4262300; 652800, 4262300; 652800, 4261400; 652600, 4261300; 652300, 4261400; 651700, 4261800; 651600, 4262100; 650700, 4262100; 650700, 4261800; 651100, 4261700; 651200, 4261400; 651200, 4260600; 651000, 4260400; 650400, 4260400; 650400, 4259300; 651600, 4259300; 651600, 4259100; returning to 650200, 4257200.

(6) *Unit 3: Sacramento and Amador counties, California.*

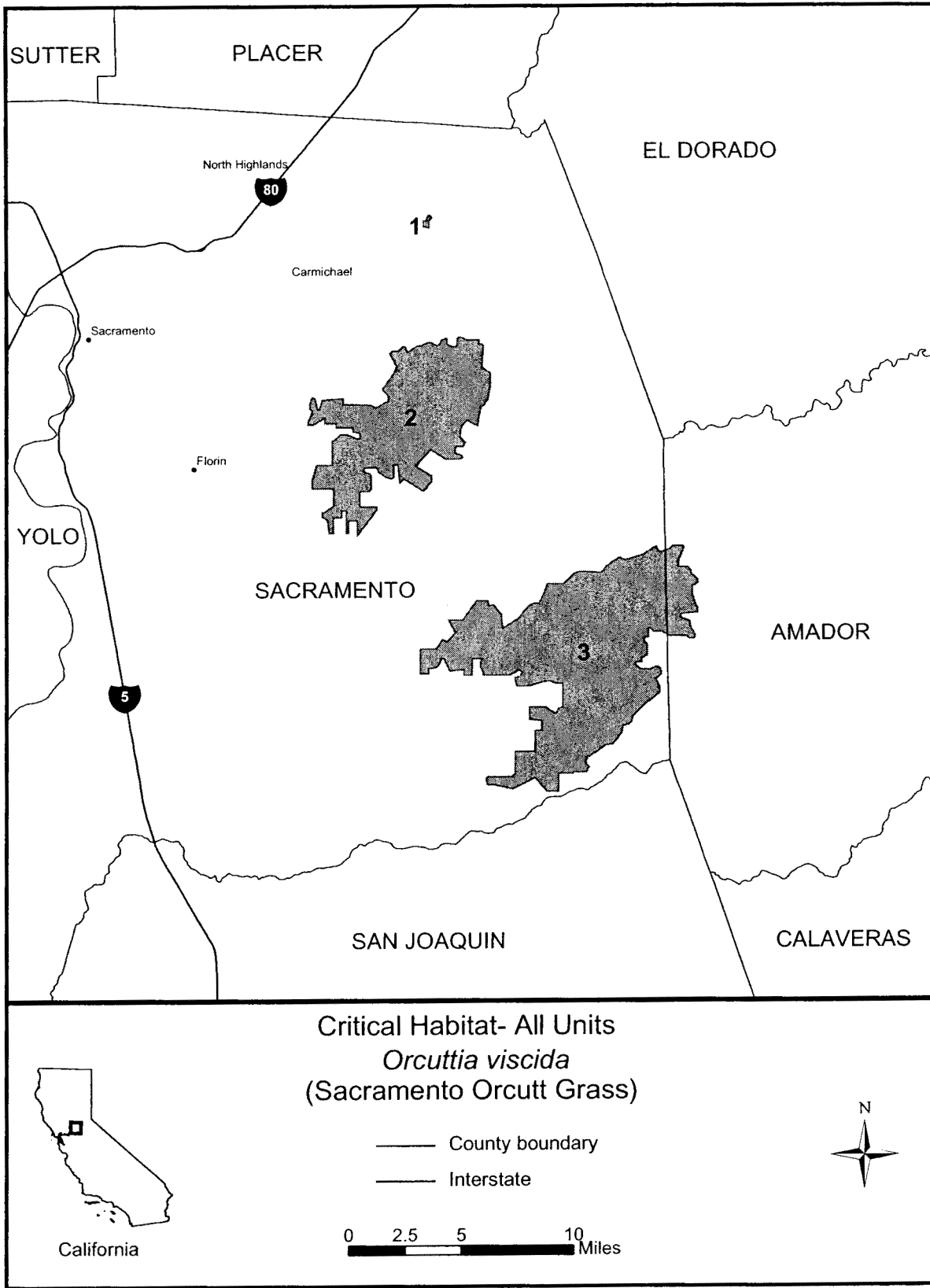
(i) From USGS 1:24,000 quadrangle maps Carbondale, Clay, Goose Creek, and Sloughhouse, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 664600, 4238700; 663800, 4238700; 662900, 4239700; 661300, 4238900; 660000, 4239200; 659500, 4239200; 659400, 4239600; 659500, 4239800; 661300, 4239800; 661300, 4239900; 661500, 4239900; 661500, 4241600; 662900, 4241600; 662900, 4243100; 663400, 4243100; 663400, 4243800; 662500, 4243900; 662500, 4244800; 663700, 4244800; 664400, 4244300; 664600, 4244700;

664900, 4244800; 664900, 4246500; 664400, 4246500; 663900, 4246700; 662500, 4246300; 661600, 4246300; 661500, 4246700; 661500, 4246900; 661800, 4247000; 662000, 4247300; 661800, 4247500; 661500, 4247300; 661100, 4247100; 659200, 4247100; 659200, 4247300; 659100, 4247500; 659000, 4247700; 659000, 4248000; 659100, 4248300; 658400, 4248300; 658400, 4247100; 657800, 4247100; 657800, 4247500; 656800, 4247400; 656400, 4248300; 656200, 4248300; 656100, 4248000; 656000, 4247800; 655900, 4247700; 655600, 4247600; 655300, 4247600; 655300, 4247200; 654700, 4247200; 654700, 4249000; 655800, 4249000; 656300, 4249700; 656600, 4249500; 657200, 4250200; 656700, 4251100; 657700, 4251100; 658700, 4252500; 659500, 4252500; 659600, 4252100; 659900, 4252200; 660500, 4251500; 660600, 4250500; 661700, 4251200; 662400, 4252100; 662800, 4252300; 663200, 4252300; 663400, 4252700; 663800, 4253700; 664900, 4253700; 665800, 4254500; 666200, 4254600; 667600, 4254500; 668000, 4255000; 668900, 4255600; 669300, 4255400; 670600, 4255800; 671500, 4256400; 671700, 4256000; 671900, 4256000; 672500, 4256200; 672700, 4256400; 673400, 4256400; 673500, 4256300; 673100, 4255300; 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; 671900, 4250200; 671300, 4250200; 671100, 4250500; 671000, 4250500; 671000, 4249800; 670700, 4249800; 670700, 4249500; 670900, 4249300; 670900, 4249100; 670900, 4248500; 670500, 4248300; 670500, 4248000; 670100, 4248000; 670100, 4247800; 670500, 4247500; 671100, 4247500; 671600, 4247700; 671800, 4247600; 671900, 4247300; 671900, 4247100; 671500, 4246800; 671800, 4246200; 671800, 4245800; 670800, 4245000; 669900, 4244100; 669800, 4243700; 669500, 4243500; 669200, 4243400; 669100, 4242900; 668500, 4242100; 667900, 4242000; 667400, 4241600; 666800, 4241200; 666700, 4241200; 666600, 4240900; 666600, 4240700; 666800, 4240500; 666600, 4240100; 666400, 4240100; 665700, 4240100; 665700, 4240000; 664600, 4240000; returning to 664600, 4238700.

---

(7) Map follows of all critical habitat units for *Orcuttia viscida* (Sacramento Orcutt Grass).

BILLING CODE 4310-55-P



BILLING CODE 4310-55-C

Family Poaceae: *Tuctoria greenei*  
(Greene's Tuctoria).

(1) Critical habitat units are depicted for Shasta, Tehama, Butte, Glenn, Colusa, Stanislaus, Tuolumne, Merced,

Mariposa and Madera counties, California, on the map below.

(2) The primary constituent elements of critical habitat for *Tuctoria greenei* 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 *Tuctoria greenei* germination, growth and reproduction, including but not limited to Northern Claypan, Northern Hardpan and Northern Basalt flow vernal pools, 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 *Tuctoria greenei* germination, growth and reproduction, and dispersal, but not necessarily every year.

(3) Critical habitat does not include existing man-made 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) *Unit 1*: Shasta County, California.

(i) From USGS 1:24,000 quadrangle map Murken Bench, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 631900, 4520300; 631500, 4520300; 630700, 4520600; 630000, 4521000; 628900, 4522800; 629200, 4523500; 629600, 4523900; 631000, 4524100; 631800, 4523500; 632700, 4522700; 632300, 4521000; returning to 631900, 4520300.

(5) *Unit 2*: Tehama and Butte counties, California.

(i) 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): 583100, 4413100; 582900, 4413400; 582900, 4415900; 582000, 4418300; 581800, 4419200; 582000, 4419500; 581400, 4420000; 581400, 4420400; 581800, 4420700; 581600, 4421000; 583200, 4422600; 583500, 4423600; 585200, 4424500; 584900, 4424900; 582900, 4424300; 581300, 4422800; 581000, 4422600; 580500, 4422800; 579800, 4424400; 579500, 4425400; 580300, 4426100; 581700, 4427000; 583400, 4427100;

584000, 4427200; 585000, 4428300; 586700, 4429000; 588800, 4430200; 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, 4414000; 586400, 4413800; 586200, 4413600; 586200, 4413400; 584200, 4413400; returning to 583100, 4413100.

(6) *Unit 3*: Butte County, California.

(i) From USGS 1:24,000 quadrangle map Hamlin Canyon, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 611100, 4387700; 610400, 4388500; 610300, 4388800; 609200, 4389800; 609100, 4390100; 610200, 4391100; 610300, 4391400; 611100, 4391400; 611500, 4391300; 612500, 4390200; 613300, 4389600; 613300, 4388900; 613200, 4388400; 612800, 4388000; 612100, 4387900; 611500, 4387900; returning to 611100, 4387700.

(7) *Unit 4*: Butte County, California.

(i) From USGS 1:24,000 quadrangle maps Biggs and Shippee, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 612800, 4370600; 612100, 4370700; 612100, 4371500; 611900, 4371900; 611100, 4372000; 611100, 4372200; 611200, 4372600; 611300, 4373100; 612700, 4373100; 612900, 4372400; 612900, 4370900; returning to 612800, 4370600.

(8) *Unit 5*: Glenn and Colusa counties, California.

(i) From USGS 1:24,000 quadrangle maps Logandale, Maxwell, Moulton Weir, and Princeton, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 572900, 4357400; 571200, 4357400; 571200, 4358200; 570400, 4358200; 570400, 4359000; 569600, 4359000; 569500, 4360500; 569300, 4362200; 569500, 4363300; 569500, 4367200; 570000, 4367200; 569900, 4368400; 570300, 4368400; 571000, 4367600; 571000, 4367800; 570700, 4368500; 570900, 4368800; 571500, 4368800; 571900, 4368300; 571900, 4367600; 572100, 4367600; 572400, 4368100; 572400, 4368400; 572600, 4368900; 572800, 4368900; 573000, 4368100; 573400, 4368000; 573800, 4367600; 574100, 4367300; 574400, 4367200; 574500, 4366400; 574900, 4366400; 574900, 4365600; 574700, 4365500; 574400, 4364100; 575200, 4363900; 575600, 4363600; 575100, 4362400; 575600, 4361400; 575100, 4360700; 576000, 4359600; 575500, 4358900; 575700, 4358300; 575900, 4357700; 575300, 4357800; 575000, 4357700; 574700, 4357700; 573600, 4357800; 573500, 4358200;

572900, 4358200; returning to 572900, 4357400.

(9) *Unit 6*: Stanislaus and Tuolumne counties, California.

(i) 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): 718900, 4168000; 718700, 4168000; 717900, 4168500; 715500, 4168200; 715400, 4168300; 712500, 4168900; 710900, 4168400; 710400, 4168500; 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; 708400, 4170300; 708100, 4170200; 707900, 4170200; 707900, 4170300; 708100, 4170500; 708200, 4170500; 708200, 4170600; 708000, 4170600; 708200, 4170800; 708200, 4170900; 708100, 4170900; 707900, 4170700; 707700, 4170700; 707700, 4170800; 707600, 4170900; 707400, 4170900; 707100, 4171100; 707100, 4171200; 707200, 4171300; 707300, 4171200; 707500, 4171300; 707800, 4171600; 707900, 4171600; 708100, 4171600; 708200, 4171700; 708100, 4171800; 708100, 4171900; 708300, 4171900; 708300, 4172100; 708400, 4172100; 708500, 4172200; 708500, 4172300; 708700, 4172400; 708800, 4172500; 708800, 4172600; 708700, 4172700; 708500, 4172700; 708400, 4172800; 708300, 4172700; 708200, 4172700; 708100, 4172600; 708000, 4172500; 707900, 4172500; 707800, 4172700; 707600, 4172600; 707400, 4172500; 707400, 4172600; 707200, 4172700; 707100, 4172300; 707000, 4172200; 706700, 4172200; 706700, 4172300; 706500, 4172300; 706400, 4172300; 706400, 4172400; 706200, 4172600; 706300, 4172700; 706400, 4172800; 706300, 4172800; 706200, 4172800; 706100, 4172900; 705900, 4173100; 705800, 4173300; 705800, 4173500; 706000, 4173800; 705900, 4173900; 705800, 4174100; 705700, 4174200; 705500, 4174200; 705400, 4174100; 705400, 4173700; 705300, 4173500; 705200, 4173200; 705100, 4173200; 705100, 4172600; 704900, 4172400; 704800, 4172100; 704600, 4172100; 704500, 4171900; 704400, 4171800; 704500, 4171600; 704600, 4171400; 704700, 4171500; 704900, 4171200; 704700, 4171100; 704900, 4171000; 704800, 4170900; 704600, 4170900;

704600, 4170700; 704800, 4170200;  
 705300, 4170200; 705800, 4169700;  
 705900, 4169300; 706000, 4168900;  
 706000, 4168800; 705400, 4168900;  
 704400, 4169000; 703000, 4168900;  
 702200, 4168200; 700500, 4168400;  
 700400, 4169700; 700100, 4169800;  
 700100, 4170700; 699500, 4171100;  
 698500, 4171200; 698500, 4172000;  
 697800, 4172300; 697100, 4171200;  
 696000, 4171200; 694000, 4171200;  
 694000, 4172100; 694500, 4172100;  
 694500, 4174500; 696300, 4174500;  
 696300, 4175300; 697300, 4175300;  
 697300, 4176200; 697700, 4176200;  
 697700, 4179300; 696600, 4179300;  
 696400, 4180000; 695800, 4180000;  
 695500, 4179500; 695000, 4179300;  
 694400, 4179300; 694400, 4179800;  
 694800, 4180400; 694500, 4180800;  
 694500, 4181000; 694900, 4181400;  
 694500, 4181600; 694500, 4181900;  
 695100, 4182200; 696100, 4182200;  
 696200, 4181800; 695700, 4181600;  
 696300, 4180500; 697000, 4180100;  
 697400, 4180100; 697600, 4180400;  
 697600, 4182600; 700300, 4182600;  
 700300, 4183400; 699400, 4183400;  
 699400, 4184100; 700800, 4185100;  
 704100, 4186300; 705300, 4187700;  
 705700, 4187700; 706300, 4188200;  
 706300, 4188800; 706700, 4190100;  
 707300, 4190700; 707800, 4190700;  
 708400, 4190000; 708700, 4190000;  
 709200, 4189300; 709200, 4188600;  
 710100, 4188200; 709900, 4186700;  
 708900, 4185800; 708800, 4185000;  
 709600, 4184200; 710300, 4183900;  
 710300, 4182900; 711400, 4182100;  
 712400, 4182100; 713200, 4182000;  
 714100, 4182600; 715100, 4182600;  
 715500, 4183400; 715800, 4183400;  
 716000, 4182700; 716900, 4182700;  
 717100, 4182500; 717100, 4182000;  
 716900, 4181300; 717200, 4180900;  
 717200, 4180600; 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; 721400, 4169900;  
 720500, 4168700; returning to 718900,  
 4168000.

(10) *Unit 7*: Merced, Mariposa and Madera counties, California.

(i) From USGS 1:24,000 quadrangle maps Atwater, Haystack Mtn., Illinois Hill, Indian Gulch, Le Grand, Merced, Merced Falls, Owens Reservoir, Plainsburg, Planada, Raynor Creek, Snelling, Winton, and Yosemite Lake, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 751800, 4114900; 751600,

4115400; 752000, 4115800; 751900, 4116000; 751400, 4116100; 751100, 4116300; 751100, 4116700; 750700, 4116700; 749900, 4116500; 746800, 4116500; 744700, 4116500; 744600, 4117600; 743600, 4117800; 743300, 4118600; 742800, 4118600; 742800, 4118900; 742300, 4119000; 742300, 4119800; 742900, 4119900; 743300, 4120600; 745500, 4120700; 745800, 4121600; 745400, 4121600; 745400, 4121800; 746100, 4121800; 746200, 4122200; 747500, 4122400; 747500, 4123900; 747000, 4124700; 746900, 4125100; 743600, 4125000; 743600, 4127000; 742700, 4127000; 742600, 4126600; 742300, 4126300; 741700, 4126300; 741200, 4126800; 741200, 4128600; 740400, 4128600; 740400, 4130300; 739000, 4130300; 739000, 4130600; 738400, 4131100; 737500, 4131200; 737800, 4131700; 737700, 4132600; 737700, 4132900; 737100, 4132900; 737100, 4134200; 736700, 4134200; 736100, 4133900; 735600, 4133300; 734700, 4133300; 734700, 4133700; 734100, 4133900; 733100, 4133900; 733100, 4134600; 732700, 4134600; 732600, 4135000; 732300, 4135500; 730300, 4135400; 729900, 4135700; 729900, 4136500; 726500, 4136500; 726400, 4136100; 725900, 4136100; 725900, 4135300; 725600, 4135100; 725500, 4135100; 725300, 4135500; 725100, 4135400; 725000, 4135400; 725000, 4135600; 724800, 4135700; 724600, 4135700; 724600, 4134700; 724200, 4134700; 724200, 4135500; 723400, 4135500; 723400, 4135600; 722800, 4135600; 722800, 4135000; 722600, 4134700; 722500, 4134700; 722200, 4137900; 722800, 4137900; 722800, 4139300; 721900, 4139300; 721900, 4140200; 721000, 4140200; 721000, 4140900; 717800, 4140900; 717800, 4137700; 717100, 4137700; 717000, 4138200; 714500, 4140900; 714100, 4141300; 714100, 4142200; 713600, 4142400; 713200, 4143000; 713000, 4143900; 713100, 4144300; 713700, 4144600; 714500, 4145300; 714500, 4145700; 715800, 4145800; 717000, 4145800; 718000, 4145400; 718200, 4145900; 718200, 4147600; 719700, 4148400; 720600, 4148600; 720600, 4149200; 719600, 4149200; 719600, 4149800; 720300, 4149800; 721300, 4150700; 721700, 4150700; 724400, 4153300; 725000, 4153500; 725500, 4154200; 725800, 4154800; 727200, 4155900; 727800, 4155900; 728500, 4155600; 730200, 4155600; 731600, 4155500; 732400, 4155400; 732600, 4155200; 733200, 4154700; 734100, 4154900; 734600, 4154800; 735600, 4156000; 735900, 4156000; 737100, 4155400; 737800, 4155000; 738200,

4154200; 738300, 4153300; 739000, 4152800; 739100, 4152200; 740200, 4151800; 740800, 4151500; 740800, 4150300; 741100, 4149900; 741700, 4149400; 742100, 4148500; 742100, 4147100; 743400, 4146100; 744000, 4145600; 744400, 4144600; 744300, 4143900; 743900, 4142700; 744000, 4142000; 744200, 4141700; 745500, 4140300; 746100, 4139500; 746800, 4138500; 747700, 4137700; 748500, 4135800; 748700, 4135100; 749500, 4134000; 750100, 4132800; 750700, 4131700; 751600, 4130500; 752000, 4130200; 752800, 4130100; 753300, 4130400; 753500, 4130400; 753900, 4130200; 754000, 4129300; 753400, 4128400; 753900, 4127700; 754400, 4127700; 754600, 4127400; 755300, 4128400; 755400, 4128400; 755600, 4127700; 756900, 4126400; 757800, 4125800; 758400, 4126300; 758500, 4126300; 758600, 4126000; 757900, 4125100; 757400, 4125100; 757800, 4124400; 757800, 4124000; 758200, 4124000; 758500, 4123600; 758800, 4123600; 759000, 4123900; 759300, 4123900; 759700, 4123500; 759700, 4123400; 759200, 4122900; 760300, 4121300; 761000, 4121000; 761300, 4120300; 762100, 4119400; thence south to x-coordinate 762100 on the Chowchilla River; thence southwest along the Chowchilla River to Ash Slough; thence southwest along Ash Slough to y-coordinate 4114900; thence west to the point of beginning at 751800, 4114900.

(11) *Unit 8*: Madera County, California.

(i) From USGS 1:24,000 quadrangle maps Daulton, Kismet, Raymond, and Raynor Creek, California, land bounded by the following UTM 10 NAD 83 coordinates (E, N): 761900, 4100100; 761800, 4102500; 761700, 4105900; 762100, 4105900; 762900, 4106300; 763300, 4106200; 764100, 4106700; 764100, 4109200; 763400, 4109300; 763200, 4109800; 761500, 4109800; 761500, 4111300; 759800, 4111300; 759800, 4112200; 758300, 4112200; 758300, 4112800; 756600, 4112800; 756500, 4115300; 759700, 4115300; 759700, 4117100; 760400, 4117100; 760500, 4118000; 762100, 4118900; 762800, 4118000; 763300, 4117200; 763500, 4117600; 763700, 4117600; 764100, 4117300; 764500, 4115900; 765400, 4115900; 765400, 4116400; 766100, 4116400; 766100, 4115800; 765900, 4114300; 766400, 4114200; thence south to UTM zone 11, land bounded by the following UTM 11 NAD 83 coordinates (E, N): 233400, 4113000; 233600, 4113000; 233900, 4112800; 234000, 4112300; 234300, 4112400; 234700, 4112500; 235000, 4112400; 235200, 4112300; 235200, 4111800;



235700, 4111400; 236400, 4111800;  
236800, 4111300; 236400, 4110800;  
236400, 4109500; 237000, 4108700;  
237600, 4108600; 238400, 4109300;  
241300, 4109300; 242100, 4108700;  
242100, 4107300; 240900, 4106000;  
239300, 4104100; 239300, 4104100;  
238900, 4104300; 238500, 4104600;

238100, 4104300; 237100, 4104300;  
237100, 4105800; 237000, 4106800;  
236000, 4107000; 235800, 4107100;  
234900, 4107100; 234300, 4107200;  
233900, 4108200; 233300, 4108000;  
thence south to UTM zone 10, land  
bounded by the following UTM 10 NAD  
83 coordinates (E, N): 766800, 4100200;

766000, 4100200; returning to 761900,  
4100100.

(12) Map follows of all critical habitat  
units for *Tuctoria greenei* (Greene's  
Tuctoria).

**BILLING CODE 4310-55-P**

