

Note – This document contains only the regulations describing critical habitat for the

Central Valley Steelhead ESU

as published in the *Federal Register* on Sept. 2, 2005 (70FR52488 - 52627). These pages have been extracted from the FR notice to assist those readers interested only in the maps and regulatory text pertaining to this ESU. The complete FR notice can be downloaded at: <http://www.nwr.noaa.gov/Publications/FR-Notices/2005/Index.cfm>.

List of Subjects in 50 CFR Part 226

Endangered and threatened species.

Dated: August 12, 2005.

William T. Hogarth,

*Assistant Administrator for Fisheries,
National Marine Fisheries Service.*

■ For the reasons set out in the preamble, we amend part 226, title 50 of the Code of Regulations as set forth below:

PART 226—[AMENDED]

■ 1. The authority citation of part 226 continues to read as follows:

Authority: 16 U.S.C. 1533.

■ 2. Add § 226.211 to read as follows:

§ 226.211 Critical habitat for Seven Evolutionarily Significant Units (ESUs) of Salmon (*Oncorhynchus spp.*) in California.

Critical habitat is designated in the following California counties for the following ESUs as described in paragraph (a) of this section, and as further described in paragraphs (b) through (e) of this section. The textual descriptions of critical habitat for each ESU are included in paragraphs (f) through (l) of this section, and these descriptions are the definitive source for determining the critical habitat boundaries. General location maps are provided at the end of each ESU description (paragraphs (f) through (l) of this section) and are provided for general guidance purposes only, and not as a definitive source for determining critical habitat boundaries.

(a) Critical habitat is designated for the following ESUs in the following California counties:

ESU	State—counties
(1) California Coastal Chinook	CA—Humboldt, Trinity, Mendocino, Sonoma, Lake, Napa, Glenn, Colusa, and Tehama.
(2) Northern California Steelhead	CA—Humboldt, Trinity, Mendocino, Sonoma, Lake, Glenn, Colusa, and Tehama.
(3) Central California Coast Steelhead	CA—Lake, Mendocino, Sonoma, Napa, Marin, San Francisco, San Mateo, Santa Clara, Santa Cruz, Alameda, Contra Costa, and San Joaquin.
(4) South-Central Coast Steelhead	CA—Monterey, San Benito, Santa Clara, Santa Cruz, San Luis Obispo.
(5) Southern California Steelhead	CA—San Luis Obispo, Santa Barbara, Ventura, Los Angeles, Orange and San Diego.
(6) Central Valley spring-run Chinook	CA—Tehama, Butte, Glenn, Shasta, Yolo, Sacramento, Solano, Colusa, Yuba, Sutter, Trinity, Alameda, San Joaquin, and Contra Costa.
(7) Central Valley Steelhead	CA—Tehama, Butte, Glenn, Shasta, Yolo, Sacramento, Solano, Yuba, Sutter, Placer, Calaveras, San Joaquin, Stanislaus, Tuolumne, Merced, Alameda, Contra Costa.

(b) *Critical habitat boundaries.*

Critical habitat includes the stream channels within the designated stream reaches, and includes a lateral extent as defined by the ordinary high-water line (33 CFR 329.11). In areas where the ordinary high-water line has not been defined, the lateral extent will be defined by the bankfull elevation. Bankfull elevation is the level at which water begins to leave the channel and move into the floodplain and is reached at a discharge which generally has a recurrence interval of 1 to 2 years on the annual flood series. Critical habitat in estuaries (e.g. San Francisco-San Pablo-Suisun Bay, Humboldt Bay, and Morro Bay) is defined by the perimeter of the water body as displayed on standard 1:24,000 scale topographic maps or the elevation of extreme high water, whichever is greater.

(c) *Primary constituent elements.*

Within these areas, the primary constituent elements essential for the conservation of these ESUs are those sites and habitat components that support one or more life stages, including:

- (1) Freshwater spawning sites with water quantity and quality conditions and substrate supporting spawning, incubation and larval development;
- (2) Freshwater rearing sites with:
 - (i) Water quantity and floodplain connectivity to form and maintain physical habitat conditions and support juvenile growth and mobility;
 - (ii) Water quality and forage supporting juvenile development; and
 - (iii) Natural cover such as shade, submerged and overhanging large wood, log jams and beaver dams, aquatic vegetation, large rocks and boulders, side channels, and undercut banks.
- (3) Freshwater migration corridors free of obstruction and excessive predation with water quantity and quality conditions and natural cover such as submerged and overhanging large wood, aquatic vegetation, large rocks and boulders, side channels, and undercut banks supporting juvenile and adult mobility and survival.
- (4) Estuarine areas free of obstruction and excessive predation with:
 - (i) Water quality, water quantity, and salinity conditions supporting juvenile and adult physiological transitions between fresh- and saltwater;
 - (ii) Natural cover such as submerged and overhanging large wood, aquatic vegetation, large rocks and boulders, side channels; and
 - (iii) Juvenile and adult forage,

including aquatic invertebrates and fishes, supporting growth and maturation.

(d) *Exclusion of Indian lands.* Critical habitat does not include occupied habitat areas on Indian lands. The Indian lands specifically excluded from critical habitat are those defined in the Secretarial Order, including:

- (1) Lands held in trust by the United States for the benefit of any Indian tribe;
- (2) Land held in trust by the United States for any Indian Tribe or individual subject to restrictions by the United States against alienation;
- (3) Fee lands, either within or outside the reservation boundaries, owned by the tribal government; and
- (4) Fee lands within the reservation boundaries owned by individual Indians.

(e) *Land owned or controlled by the Department of Defense.* Additionally, critical habitat does not include the following areas owned or controlled by the Department of Defense, or designated for its use, that are subject to an integrated natural resources management plan prepared under section 101 of the Sikes Act (16 U.S.C. 670a):

- (1) Camp Pendleton Marine Corps Base;
- (2) Vandenberg Air Force Base;
- (3) Camp San Luis Obispo;
- (4) Camp Roberts; and
- (5) Mare Island Army Reserve Center.

(l) *Central Valley steelhead (O. mykiss)*. Critical habitat is designated to include the areas defined in the following CALWATER Hydrologic Units:

(1) Tehama Hydrologic Unit 5504—(i) *Lower Stony Creek Hydrologic Sub-area 550410*. Outlet(s) = Stony Creek (Lat 39.6760, Long -121.9732) upstream to endpoint(s) in: Stony Creek (39.8199, -122.3391).

(ii) Red Bluff Hydrologic Sub-area 550420. Outlet(s) = Sacramento River (Lat 39.6998, Long -121.9419) upstream to endpoint(s) in: Antelope Creek (40.2023, -122.1272); Big Chico Creek (39.7757, -121.7525); Blue Tent Creek (40.2166, -122.2362); Burch Creek (39.8495, -122.1615); Butler Slough (40.1579, -122.1320); Craig Creek (40.1617, -122.1350); Deer Creek (40.0144, -121.9481); Dibble Creek (40.2002, -122.2421); Dye Creek (40.0910, -122.0719); Elder Creek (40.0438, -122.2133); Lindo Channel (39.7623, -121.7923); McClure Creek (40.0074, -122.1723); Mill Creek (40.0550, -122.0317); Mud Creek (39.7985, -121.8803); New Creek (40.1873, -122.1350); Oat Creek (40.0769, -122.2168); Red Bank Creek (40.1421, -122.2399); Rice Creek (39.8495, -122.1615); Rock Creek (39.8034, -121.9403); Salt Creek (40.1572, -122.1646); Thomes Creek (39.8822, -122.5527); Unnamed Tributary (40.1867, -122.1353); Unnamed Tributary (40.1682, -122.1459); Unnamed Tributary (40.1143, -122.1259); Unnamed Tributary (40.0151, -122.1148); Unnamed Tributary (40.0403, -122.1009); Unnamed Tributary (40.0514, -122.0851); Unnamed Tributary (40.0530, -122.0769).

(2) Whitmore Hydrologic Unit 5507—(i) *Inks Creek Hydrologic Sub-area 550711*. Outlet(s) = Inks Creek (Lat 40.3305, Long -122.1520) upstream to endpoint(s) in: Inks Creek (40.3418, -122.1332).

(ii) *Battle Creek Hydrologic Sub-area 550712*. Outlet(s) = Battle Creek (Lat 40.4083, Long -122.1102) upstream to endpoint(s) in: Baldwin Creek (40.4369, -121.9885); Battle Creek (40.4228, -121.9975); Brush Creek (40.4913, -121.8664); Millseat Creek (40.4808, -121.8526); Morgan Creek (40.3654, -121.9132); North Fork Battle Creek (40.4877, -121.8185); Panther Creek (40.3897, -121.6106); South Ditch (40.3997, -121.9223); Ripley Creek (40.4099, -121.8683); Soap Creek (40.3904, -121.7569); South Fork Battle Creek (40.3531, -121.6682); Unnamed Tributary (40.3567, -121.8293); Unnamed Tributary (40.4592, -121.8671).

(iii) *Ash Creek Hydrologic Sub-area 550721*. Outlet(s) = Ash Creek (Lat 40.4401, Long -122.1375) upstream to endpoint(s) in: Ash Creek (40.4628, -122.0066).

(iv) *Inwood Hydrologic Sub-area 550722*. Outlet(s) = Ash Creek (Lat 40.4628, Long -122.0066); Bear Creek (40.4352, -122.2039) upstream to endpoint(s) in: Ash Creek (40.4859, -121.8993); Bear Creek (40.5368, -121.9560); North Fork Bear Creek (40.5736, -121.8683).

(v) *South Cow Creek Hydrologic Sub-area 550731*. Outlet(s) = South Cow Creek (Lat 40.5438, Long -122.1318) upstream to endpoint(s) in: South Cow Creek (40.6023, -121.8623).

(vi) *Old Cow Creek Hydrologic Sub-area 550732*. Outlet(s) = Clover Creek (Lat 40.5788, Long -122.1252); Old Cow Creek (40.5442, -122.1317) upstream to endpoint(s) in: Clover Creek (40.6305, -122.0304); Old Cow Creek (40.6295, -122.9619).

(vii) *Little Cow Creek Hydrologic Sub-area 550733*. Outlet(s) = Little Cow Creek (Lat 40.6148, -122.2271); Oak Run Creek (40.6171, -122.1225) upstream to endpoint(s) in: Little Cow Creek (40.7114, -122.0850); Oak Run Creek (40.6379, -122.0856).

(3) Redding Hydrologic Unit 5508—(i) *Enterprise Flat Hydrologic Sub-area 550810*. Outlet(s) = Sacramento River (Lat 40.2526, Long -122.1707) upstream to endpoint(s) in: Ash Creek (40.4401, -122.1375); Battle Creek (40.4083, -122.1102); Bear Creek (40.4360, -122.2036); Calaboose Creek (40.5742, -122.4142); Canyon Creek (40.5532, -122.3814); Churn Creek (40.5986, -122.3418); Clear Creek (40.5158, -122.5256); Clover Creek (40.5788, -122.1252); Cottonwood Creek (40.3777, -122.1991); Cow Creek (40.5437, -122.1318); East Fork Stillwater Creek (40.6495, -122.2934); Inks Creek (40.3305, -122.1520); Jenny Creek (40.5734, -122.4338); Little Cow Creek (40.6148, -122.2271); Oak Run (40.6171, -122.1225); Old Cow Creek (40.5442, -122.1317); Olney Creek (40.5439, -122.4687); Oregon Gulch (40.5463, -122.3866); Paynes Creek (40.3024, -122.1012); Stillwater Creek (40.6495, -122.2934); Sulphur Creek (40.6164, -122.4077).

(ii) *Lower Cottonwood Hydrologic Sub-area 550820*. Outlet(s) = Cottonwood Creek (Lat 40.3777, Long -122.1991) upstream to endpoint(s) in: Cold Fork Cottonwood Creek (40.2060, -122.6608); Cottonwood Creek (40.3943, -122.5254); Middle Fork Cottonwood Creek (40.3314, -122.6663); North Fork Cottonwood Creek (40.4539, -122.5610); South Fork Cottonwood Creek (40.1578, -122.5809).

(4) Eastern Tehama Hydrologic Unit 5509—(i) *Big Chico Creek Hydrologic Sub-area 550914*. Outlet(s) = Big Chico Creek (Lat 39.7757, Long -121.7525) upstream to endpoint(s) in: Big Chico Creek (39.8898, -121.6952).

(ii) *Deer Creek Hydrologic Sub-area 550920*. Outlet(s) = Deer Creek (Lat 40.0142, Long -121.9476) upstream to endpoint(s) in: Deer Creek (40.2025, -121.5130).

(iii) *Upper Mill Creek Hydrologic Sub-area 550942*. Outlet(s) = Mill Creek (Lat 40.0550, Long -122.0317) upstream to endpoint(s) in: Mill Creek (40.3766, -121.5098); Rocky Gulch Creek (40.2888, -121.5997).

(iv) *Dye Creek Hydrologic Sub-area 550962*. Outlet(s) = Dye Creek (Lat 40.0910, Long -122.0719) upstream to endpoint(s) in: Dye Creek (40.0996, -121.9612).

(v) *Antelope Creek Hydrologic Sub-area 550963*. Outlet(s) = Antelope Creek (Lat 40.2023, Long -122.1272) upstream to endpoint(s) in: Antelope Creek (40.2416, -121.8630); Middle Fork Antelope Creek (40.2673, -121.7744); North Fork Antelope Creek (40.2807, -121.7645); South Fork Antelope Creek (40.2521, -121.7575).

(5) Sacramento Delta Hydrologic Unit 5510—*Sacramento Delta Hydrologic Sub-area 551000*. Outlet(s) = Sacramento River (Lat 38.0653, Long -121.8418) upstream to endpoint(s) in: Cache Slough (38.2984, -121.7490); Elk Slough (38.4140, -121.5212); Elkhorn Slough (38.2898, -121.6271); Georgiana Slough (38.2401, -121.5172); Horseshoe Bend (38.1078, -121.7117); Lindsey Slough (38.2592, -121.7580); Miners Slough (38.2864, -121.6051); Prospect Slough (38.2830, -121.6641); Putah Creek (38.5155, -121.5885); Sevenmile Slough (38.1171, -121.6298); Streamboat Slough (38.3052, -121.5737); Sutter Slough (38.3321, -121.5838); Threemile Slough (38.1155, -121.6835); Ulatis Creek (38.2961, -121.7835); Unnamed Tributary (38.2937, -121.7803); Unnamed Tributary (38.2937, -121.7804); Yolo Bypass (38.5800, -121.5838).

(6) Valley-Putah-Cache Hydrologic Unit 5511—*Lower Putah Creek Hydrologic Sub-area 551120*. Outlet(s) = Sacramento Bypass (Lat 38.6057, Long -121.5563); Yolo Bypass (38.5800, -121.5838) upstream to endpoint(s) in: Sacramento Bypass (38.5969, -121.5888); Yolo Bypass (38.7627, -121.6325).

(7) American River Hydrologic Unit 5514—*Auburn Hydrologic Sub-area 551422*. Outlet(s) = Auburn Ravine (Lat 38.8921, Long -121.2181); Coon Creek (38.9891, -121.2556); Doty Creek (38.9401, -121.2434) upstream to

endpoint(s) in: Auburn Ravine (38.8888, -121.1151); Coon Creek (38.9659, -121.1781); Doty Creek (38.9105, -121.1244).

(8) Marysville Hydrologic Unit 5515—

(i) *Lower Bear River Hydrologic Sub-area 551510*. Outlet(s) = Bear River (Lat 39.9398, Long -121.5790) upstream to endpoint(s) in: Bear River (39.0421, -121.3319).

(ii) *Lower Yuba River Hydrologic Sub-area 551530*. Outlet(s) = Yuba River (Lat 39.1270, Long -121.5981) upstream to endpoint(s) in: Yuba River (39.2203, -121.3314).

(iii) *Lower Feather River Hydrologic Sub-area 551540*. Outlet(s) = Feather River (Lat 39.1264, Long -121.5984) upstream to endpoint(s) in: Feather River (39.5205, -121.5475).

(9) Yuba River Hydrologic Unit 5517—(i) *Browns Valley Hydrologic Sub-area 551712*. Outlet(s) = Dry Creek (Lat 39.2215, Long -1121.4082); Yuba River (39.2203, -1121.3314) upstream to endpoint(s) in: Dry Creek (39.3232, Long -1121.3155); Yuba River (39.2305, -1121.2813).

(ii) *Englebright Hydrologic Sub-area 551714*. Outlet(s) = Yuba River (Lat 39.2305, Long -1121.2813) upstream to endpoint(s) in: Yuba River (39.2399, -1121.2689).

(10) Valley American Hydrologic Unit 5519—(i) *Lower American Hydrologic Sub-area 551921*. Outlet(s) = American River (Lat 38.5971, -1121.5088) upstream to endpoint(s) in: American River (38.6373, -1121.2202); Dry Creek (38.7554, -1121.2676); Miner's Ravine (38.8429, -1121.1178); Natomas East Main Canal (38.6646, -1121.4770); Secret Ravine (38.8541, -1121.1223).

(ii) *Pleasant Grove Hydrologic Sub-area 551922*. Outlet(s) = Sacramento River (Lat 38.6026, Long -1121.5155) upstream to endpoint(s) in: Auburn Ravine (38.8913, -1121.2424); Coon Creek (38.9883, -1121.2609); Doty Creek (38.9392, -1121.2475); Feather River (39.1264, -1121.5984).

(11) Colusa Basin Hydrologic Unit 5520—(i) *Sycamore-Sutter Hydrologic Sub-area 552010*. Outlet(s) = Sacramento River (Lat 38.7604, Long -1121.6767) upstream to endpoint(s) in: Tisdale Bypass (39.0261, -1121.7456).

(ii) *Sutter Bypass Hydrologic Sub-area 552030*. Outlet(s) = Sacramento River (Lat 38.7851, Long -1121.6238) upstream to endpoint(s) in: Butte Creek (39.1990, -1121.9286); Butte Slough (39.1987, -1121.9285); Nelson Slough (38.8956, -1121.6180); Sacramento Slough (38.7844, -1121.6544); Sutter Bypass (39.1586, -1121.8747).

(iii) *Butte Basin Hydrologic Sub-area 552040*. Outlet(s) = Butte Creek (Lat 39.1990, Long -1121.9286); Sacramento

River (39.4141, -1122.0087) upstream to endpoint(s) in: Butte Creek (39.7096, -1121.7504); Colusa Bypass (39.2276, -1121.9402); Little Chico Creek (39.7380, -1121.7490); Little Dry Creek (39.6781, -1121.6580).

(12) Butte Creek Hydrologic Unit 5521—(i) *Upper Dry Creek Hydrologic Sub-area 552110*. Outlet(s) = Little Dry Creek (Lat 39.6781, -1121.6580) upstream to endpoint(s) in: Little Dry Creek (39.7424, -1121.6213).

(ii) *Upper Butte Creek Hydrologic Sub-area 552120*. Outlet(s) = Little Chico Creek (Lat 39.7380, Long -1121.7490) upstream to endpoint(s) in: Little Chico Creek (39.8680, -1121.6660).

(iii) *Upper Little Chico Hydrologic Sub-area 552130*. Outlet(s) = Butte Creek (Lat 39.7096, Long -1121.7504) upstream to endpoint(s) in: Butte Creek (39.8215, -1121.6468); Little Butte Creek (39.8159, -1121.5819).

(13) Ball Mountain Hydrologic Unit 5523—*Thomes Creek Hydrologic Sub-area 552310*. Outlet(s) = Thomes Creek (39.8822, -1122.5527) upstream to endpoint(s) in: Doll Creek (39.8941, -1122.9209); Fish Creek (40.0176, -1122.8142); Snake Creek (39.9945, -1122.7788); Thomes Creek (39.9455, -1122.8491); Willow Creek (39.8941, -1122.9209).

(14) Shasta Bally Hydrologic Unit 5524—(i) *South Fork Hydrologic Sub-area 552433*. Outlet(s) = Cold Fork Cottonwood Creek (Lat 40.2060, Long -1122.6608); South Fork Cottonwood Creek (40.1578, -1122.5809) upstream to endpoint(s) in: Cold Fork Cottonwood Creek (40.1881, -1122.8690); South Fork Cottonwood Creek (40.1232, -1122.8761).

(ii) *Platina Hydrologic Sub-area 552436*. Outlet(s) = Middle Fork Cottonwood Creek (Lat 40.3314, Long -1122.6663) upstream to endpoint(s) in: Beegum Creek (40.3149, -1122.9776); Middle Fork Cottonwood Creek (40.3512, -1122.9629).

(iii) *Spring Creek Hydrologic Sub-area 552440*. Outlet(s) = Sacramento River (Lat 40.5943, Long -1122.4343) upstream to endpoint(s) in: Middle Creek (40.5904, -1121.4825); Rock Creek (40.6155, -1122.4702); Sacramento River (40.6116, -1122.4462); Salt Creek (40.5830, -1122.4586); Unnamed Tributary (40.5734, -1122.4844).

(iv) *Kanaka Peak Hydrologic Sub-area 552462*. Outlet(s) = Clear Creek (Lat 40.5158, Long -1122.5256) upstream to endpoint(s) in: Clear Creek (40.5998, 122.5399).

(15) North Valley Floor Hydrologic Unit 5531—(i) *Lower Mokelumne Hydrologic Sub-area 553120*. Outlet(s) =

Mokelumne River (Lat 38.2104, Long -1121.3804) upstream to endpoint(s) in: Mokelumne River (38.2263, -1121.0241); Murphy Creek (38.2491, -1121.0119).

(ii) *Lower Calaveras Hydrologic Sub-area 553130*. Outlet(s) = Calaveras River (Lat 37.9836, Long -1121.3110); Mormon Slough (37.9456, -121.2907) upstream to endpoint(s) in: Calaveras River (38.1025, -1120.8503); Mormon Slough (38.0532, -1121.0102); Stockton Diverting Canal (37.9594, -1121.2024).

(16) Upper Calaveras Hydrologic Unit 5533—*New Hogan Reservoir Hydrologic Sub-area 553310*. Outlet(s) = Calaveras River (Lat 38.1025, Long -1120.8503) upstream to endpoint(s) in: Calaveras River (38.1502, -1120.8143).

(17) Stanislaus River Hydrologic Unit 5534—*Table Mountain Hydrologic Sub-area 553410*. Outlet(s) = Stanislaus River (Lat 37.8355, Long -1120.6513) upstream to endpoint(s) in: Stanislaus River (37.8631, -1120.6298).

(18) San Joaquin Valley Floor Hydrologic Unit 5535—(i) *Riverbank Hydrologic Sub-area 553530*. Outlet(s) = Stanislaus River (Lat 37.6648, Long -1121.2414) upstream to endpoint(s) in: Stanislaus River (37.8355, -1120.6513).

(ii) *Turlock Hydrologic Sub-area 553550*. Outlet(s) = Tuolumne River (Lat 37.6059, Long -1121.1739) upstream to endpoint(s) in: Tuolumne River (37.6401, -1120.6526).

(iii) *Montpelier Hydrologic Sub-area 553560*. Outlet(s) = Tuolumne River (Lat 37.6401, Long -1120.6526) upstream to endpoint(s) in: Tuolumne River (37.6721, -1120.4445).

(iv) *El Nido-Stevinson Hydrologic Sub-area 553570*. Outlet(s) = Merced River (Lat 37.3505, Long -1120.9619) upstream to endpoint(s) in: Merced River (37.3620, -1120.8507).

(v) *Merced Hydrologic Sub-area 553580*. Outlet(s) = Merced River (Lat 37.3620, Long -1120.8507) upstream to endpoint(s) in: Merced River (37.4982, -1120.4612).

(vi) *Fahr Creek Hydrologic Sub-area 553590*. Outlet(s) = Merced River (Lat 37.4982, Long -1120.4612) upstream to endpoint(s) in: Merced River (37.5081, -1120.3581).

(19) Delta-Mendota Canal Hydrologic Unit 5541—(i) *Patterson Hydrologic Sub-area 554110*. Outlet(s) = San Joaquin River (Lat 37.6763, Long -1121.2653) upstream to endpoint(s) in: San Joaquin River (37.3491, -1120.9759).

(ii) *Los Banos Hydrologic Sub-area 554120*. Outlet(s) = Merced River (Lat 37.3490, Long -1120.9756) upstream to endpoint(s) in: Merced River (37.3505, -1120.9619).

(20) North Diablo Range Hydrologic Unit 5543—*North Diablo Range Hydrologic Sub-area 554300*. Outlet(s) = San Joaquin River (Lat 38.0247, Long -1121.8218) upstream to endpoint(s) in: San Joaquin River (38.0246, -1121.7471).

(21) San Joaquin Delta Hydrologic Unit 5544—*San Joaquin Delta Hydrologic Sub-area 554400*. Outlet(s) = San Joaquin River (Lat 38.0246, Long -1121.7471) upstream to endpoint(s) in: Big Break (38.0160, -1121.6849); Bishop Cut (38.0870, -1121.4158); Calaveras River (37.9836, -1121.3110); Cosumnes River (38.2538, -1121.4074); Disappointment Slough (38.0439,

-1121.4201); Dutch Slough (38.0088, -1121.6281); Empire Cut (37.9714, -1121.4762); False River (38.0479, -1121.6232); Frank's Tract (38.0220, -1121.5997); Frank's Tract (38.0300, -1121.5830); Holland Cut (37.9939, -1121.5757); Honker Cut (38.0680, -1121.4589); Kellog Creek (37.9158, -1121.6051); Latham Slough (37.9716, -1121.5122); Middle River (37.8216, -1121.3747); Mokelumne River (38.2104, -1121.3804); Mormon Slough (37.9456, -121.2907); Mosher Creek (38.0327, -1121.3650); North Mokelumne River (38.2274, -1121.4918); Old River (37.8086, -1121.3274); Orwood Slough (37.9409,

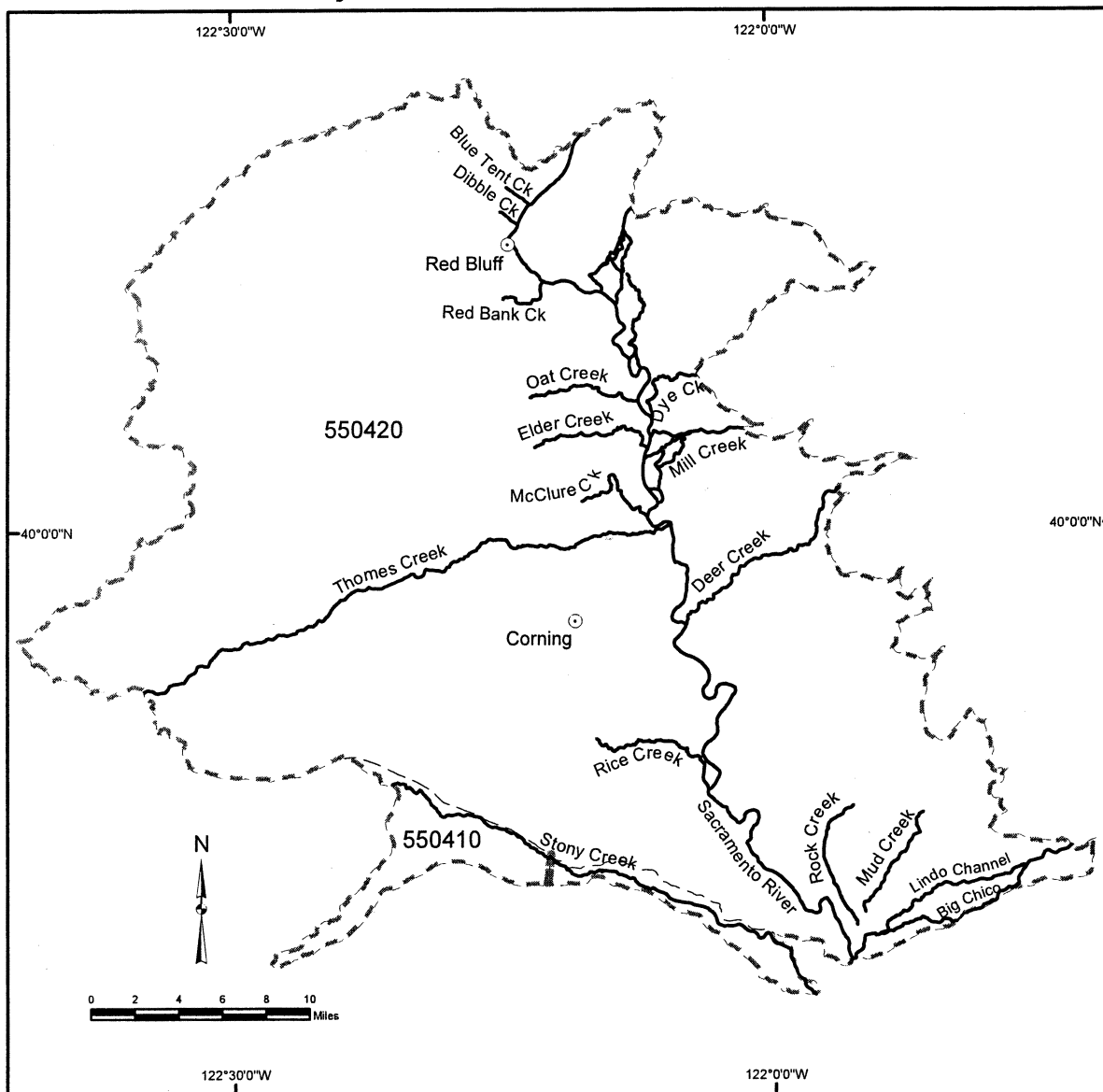
-1121.5332); Paradise Cut (37.7605, -1121.3085); Pixley Slough (38.0443, -1121.3868); Potato Slough (38.0440, -1121.4997); Rock Slough (37.9754, -1121.5795); Sand Mound Slough (38.0220, -1121.5997); Stockton Deep Water Channel (37.9957, -1121.4201); Turner Cut (37.9972, -1121.4434); Unnamed Tributary (38.1165, -1121.4976); Victoria Canal (37.8891, -1121.4895); White Slough (38.0818, -1121.4156); Woodward Canal (37.9037, -1121.4973).

(22) Maps of critical habitat for the Central Valley Steelhead ESU follow:

BILLING CODE 3510-22-P

Critical Habitat for the California Central Valley Steelhead

Tehama Hydrologic Unit 5504



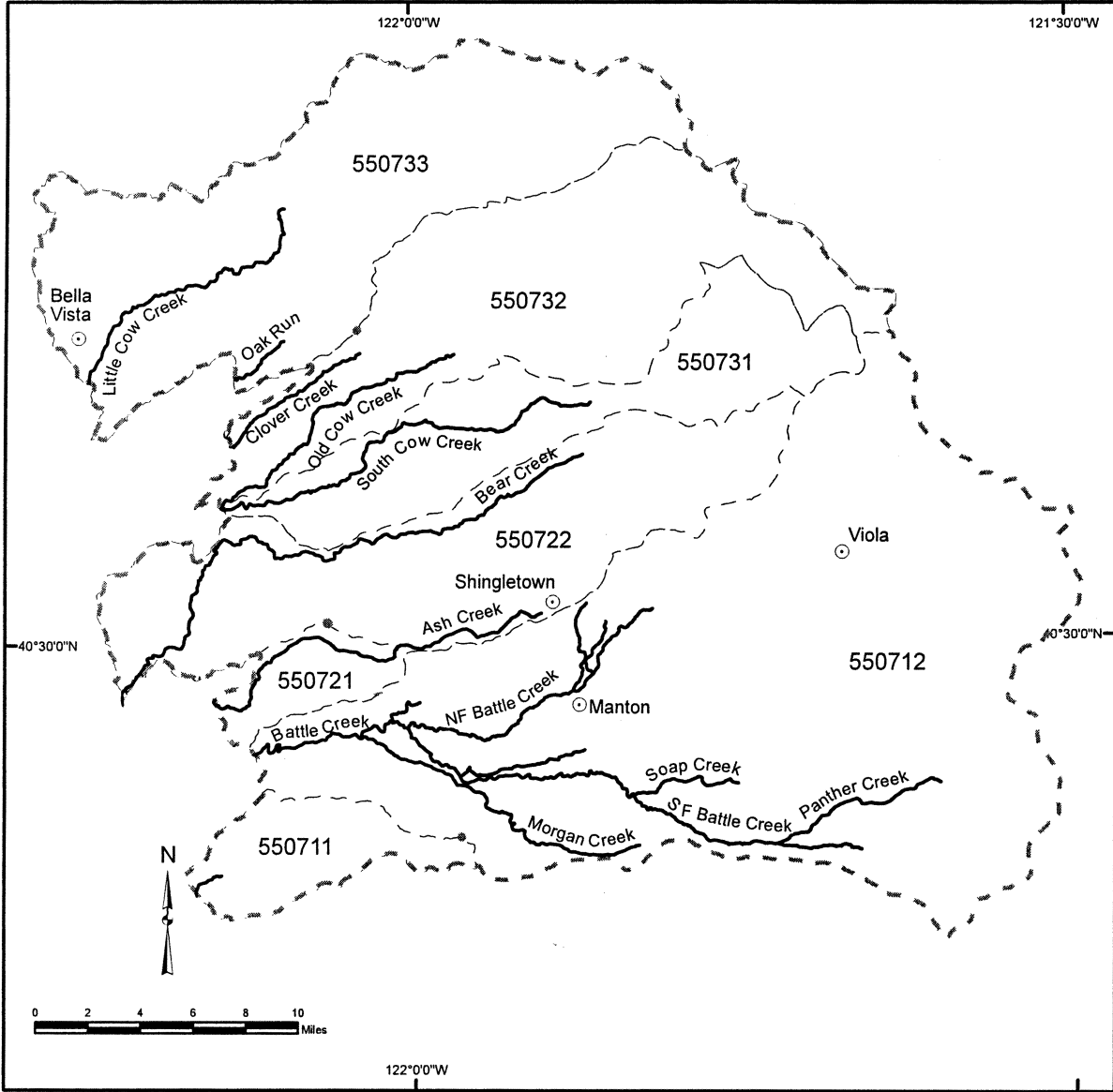
- ⊙ Cities/Towns
- Critical Habitat
- - - Hydrologic Unit Boundary
- ⋯ Fifth Field Calwater Hydrologic Sub-Area Boundary

110701 Fifth Field Calwater Hydrologic Sub-Area Number



Critical Habitat for the California Central Valley Steelhead

Whitmore Hydrologic Unit 5507

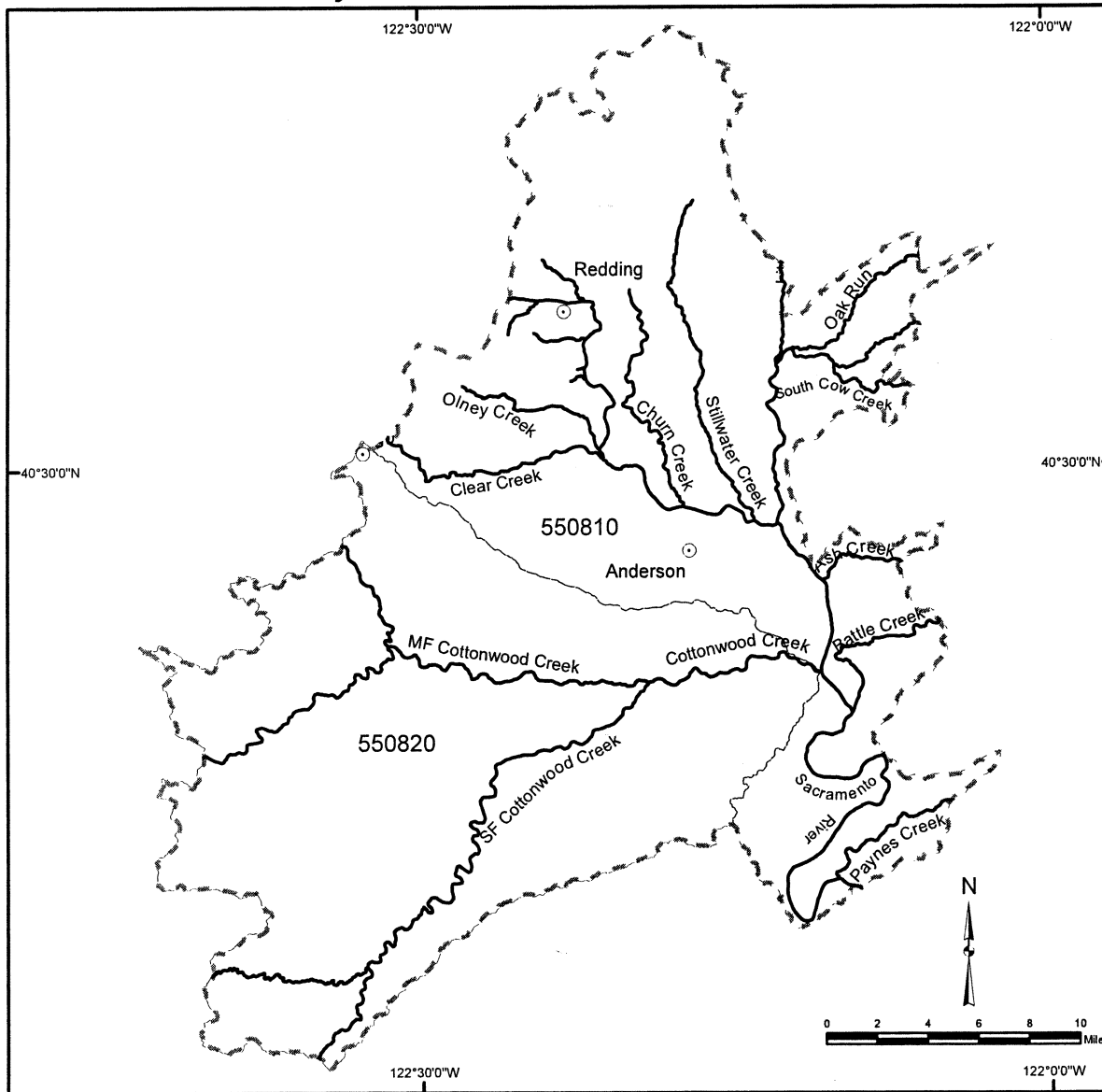


○ Cities/Towns
— Critical Habitat
- - - Hydrologic Unit Boundary
- - - Fifth Field Calwater Hydrologic Sub-Area Boundary
110701 Fifth Field Calwater Hydrologic Sub-Area Number



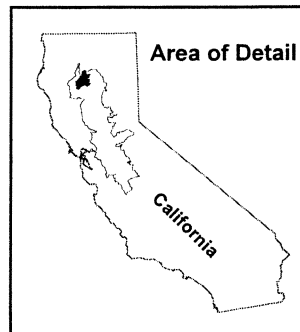
Critical Habitat for the California Central Valley Steelhead

Redding Hydrologic Unit 5508



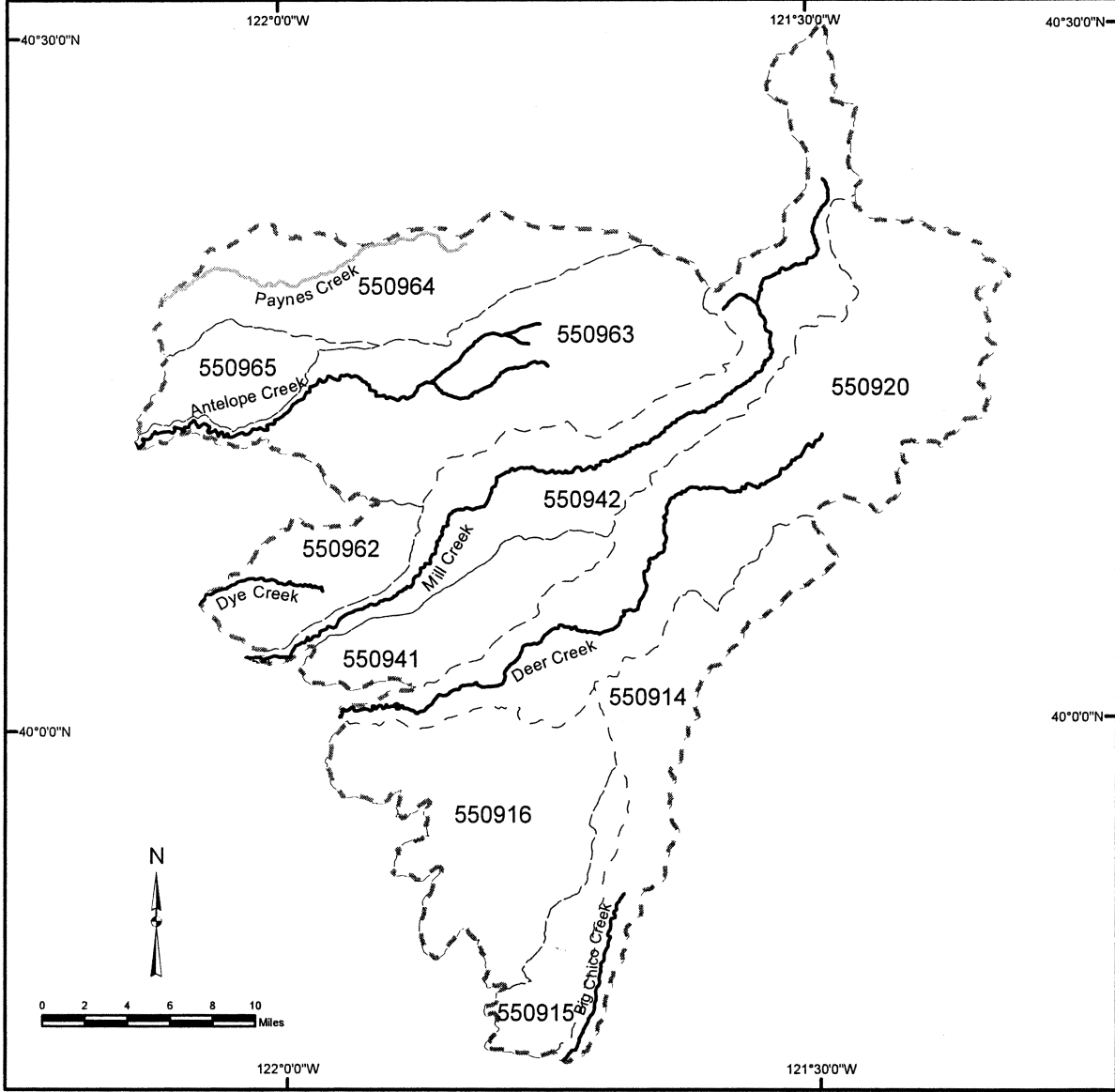
- ⊙ Cities/Towns
- Critical Habitat
- - - Hydrologic Unit Boundary
- - - Fifth Field Calwater Hydrologic Sub-Area Boundary






110701 Fifth Field Calwater Hydrologic Sub-Area Number



Critical Habitat for the California Central Valley Steelhead

Eastern Tehama Hydrologic Unit
5509



-  Cities/Towns
-  Critical Habitat
-  Occupied but excluded streams / areas
-  Hydrologic Unit Boundary
-  Fifth Field Calwater Hydrologic Sub-Area Boundary

110701 Fifth Field Calwater Hydrologic Sub-Area Number



Critical Habitat for the California Central Valley Steelhead

Sacramento Delta Hydrologic Unit 5510



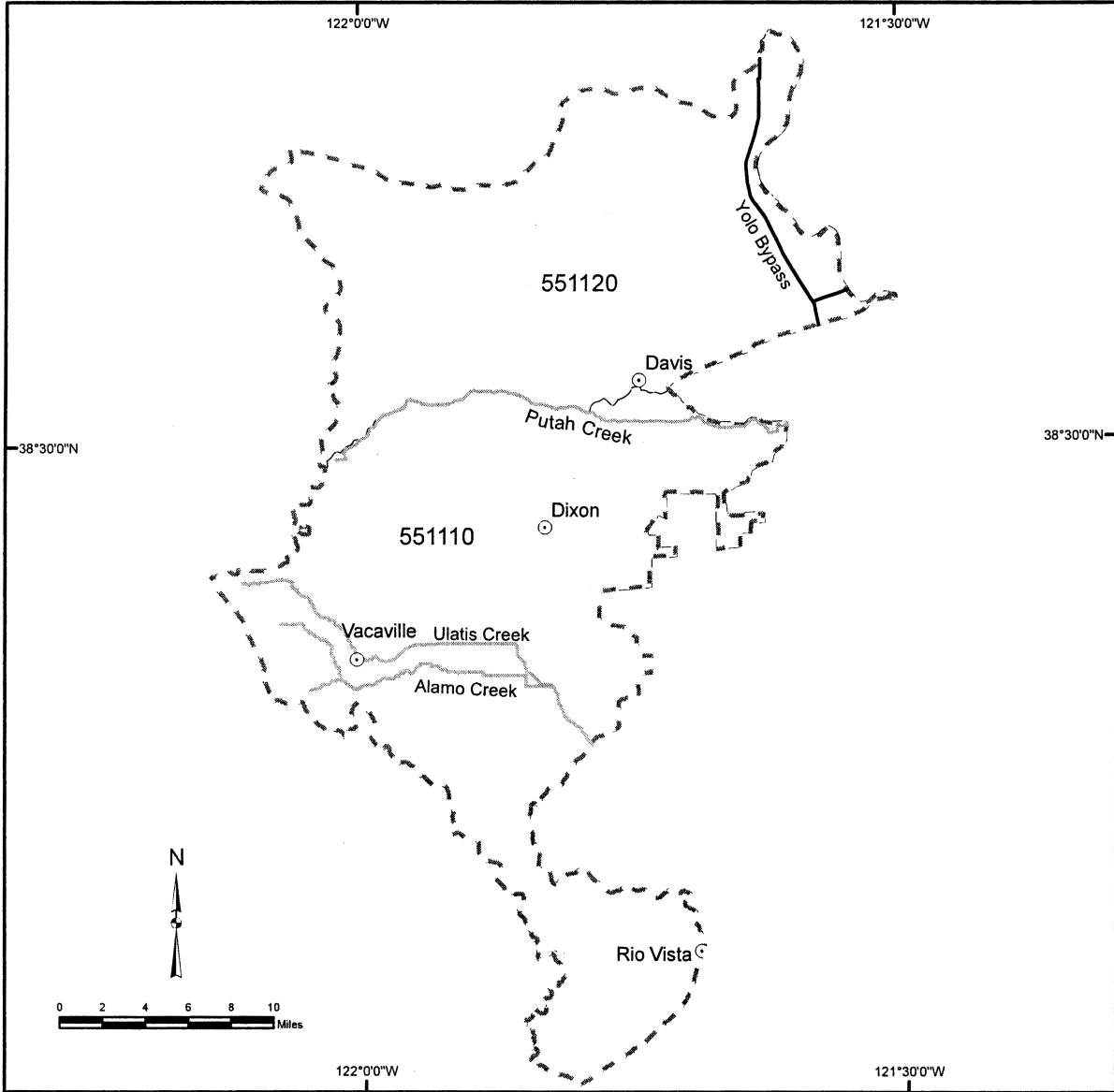
- Cities/Towns
- Critical Habitat
- Occupied but excluded streams / areas
- Hydrologic Unit Boundary
- Fifth Field Calwater Hydrologic Sub-Area Boundary

110701 Fifth Field Calwater Hydrologic Sub-Area Number



Critical Habitat for the California Central Valley Steelhead

Valley Putah-Cache Hydrologic Unit 5511



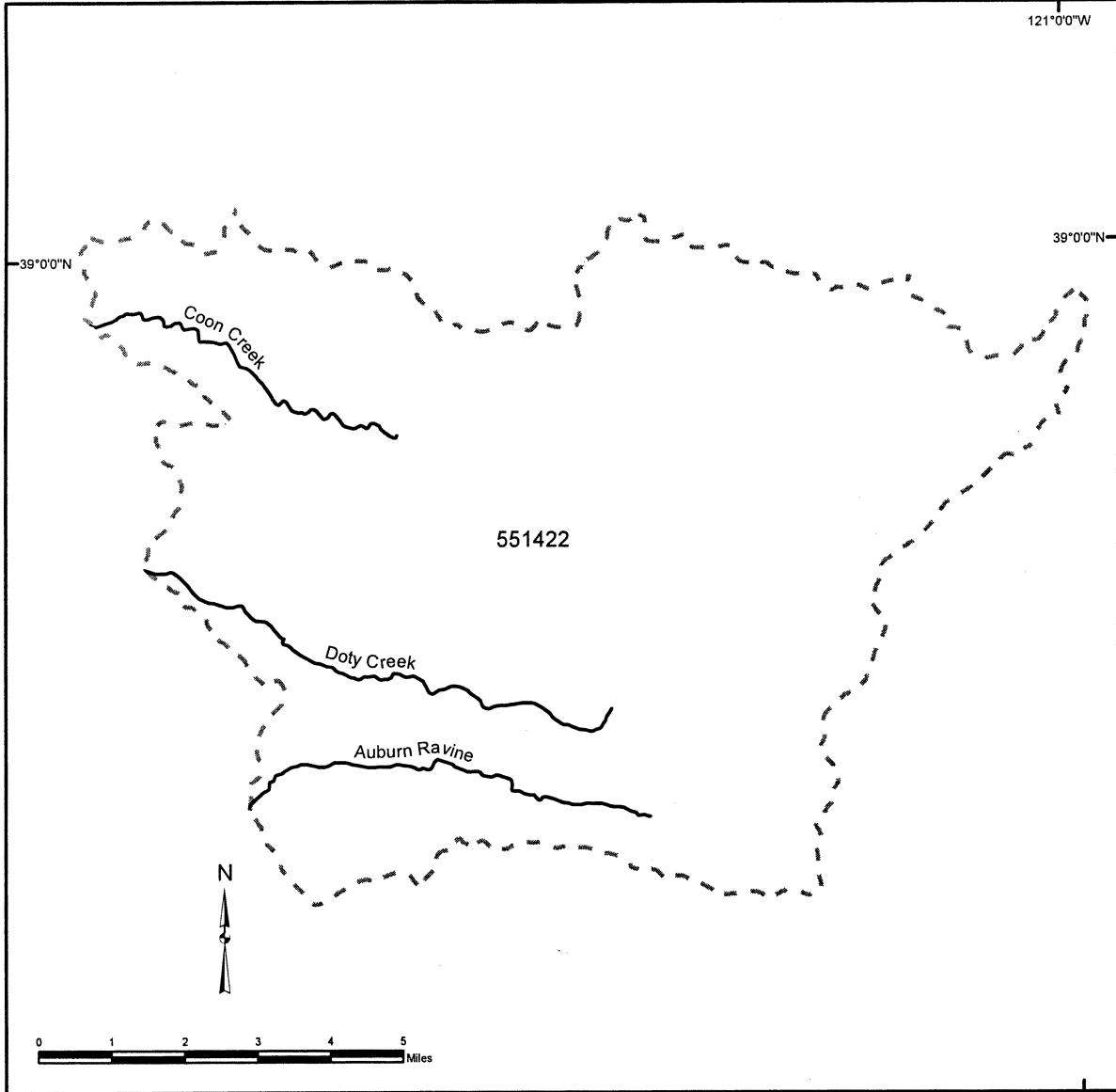
- Cities/Towns
- Critical Habitat
- Occupied but excluded streams / areas
- Hydrologic Unit Boundary
- Fifth Field Calwater Hydrologic Sub-Area Boundary

110701 Fifth Field Calwater Hydrologic Sub-Area Number



Critical Habitat for the California Central Valley Steelhead

American River Hydrologic Unit 5514



- Cities/Towns
- Critical Habitat
- - - Hydrologic Unit Boundary
- - - Fifth Field Calwater Hydrologic Sub-Area Boundary
- 110701 Fifth Field Calwater Hydrologic Sub-Area Number



Critical Habitat for the California Central Valley Steelhead

Marysville Hydrologic Unit 5515



● Cities/Towns

— Critical Habitat

⋯ Hydrologic Unit Boundary

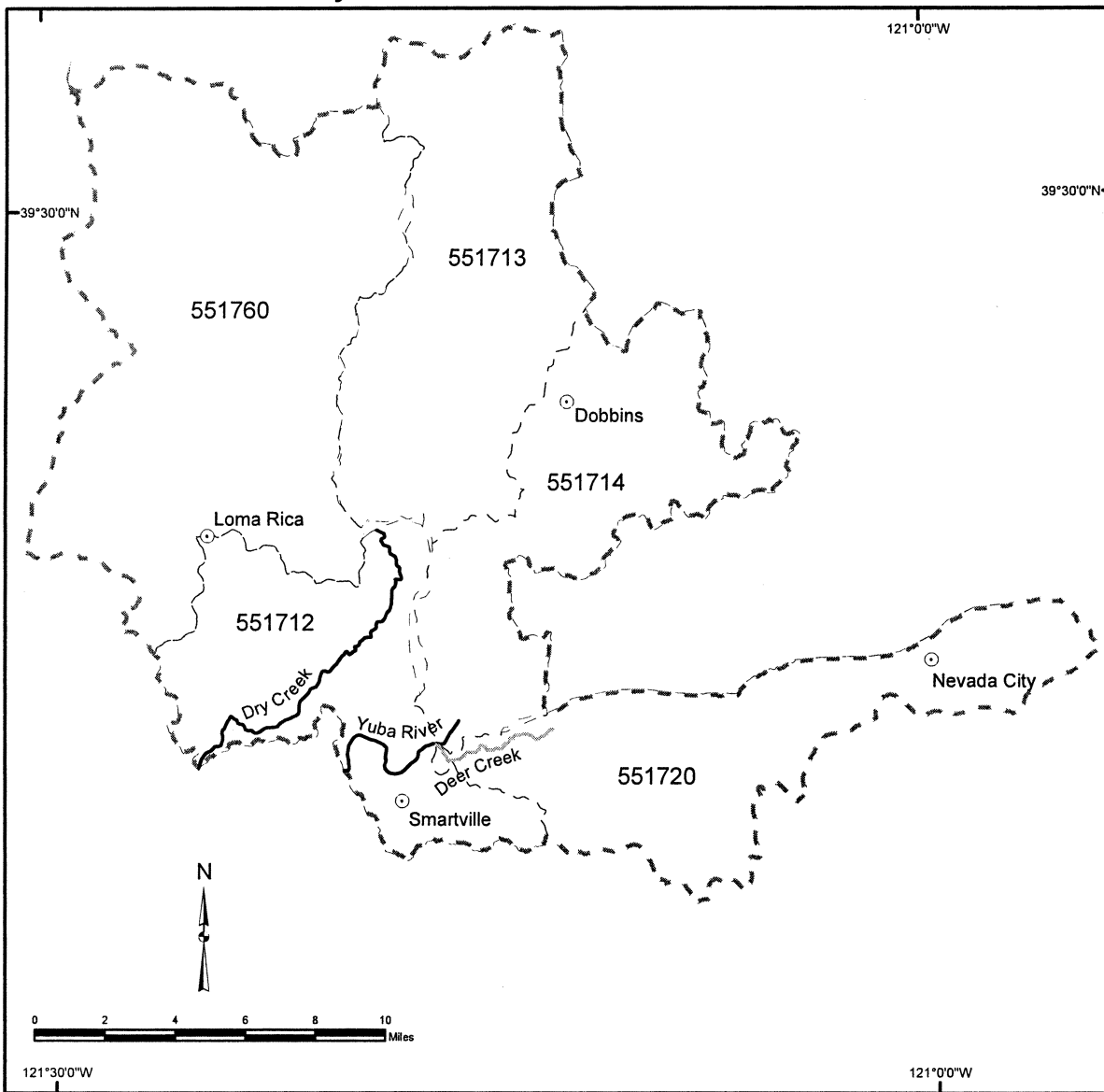
⋯ Fifth Field Calwater Hydrologic Sub-Area Boundary

110701 Fifth Field Calwater Hydrologic Sub-Area Number



**Critical Habitat for the
California Central Valley Steelhead**

**Yuba River Hydrologic Unit
5517**



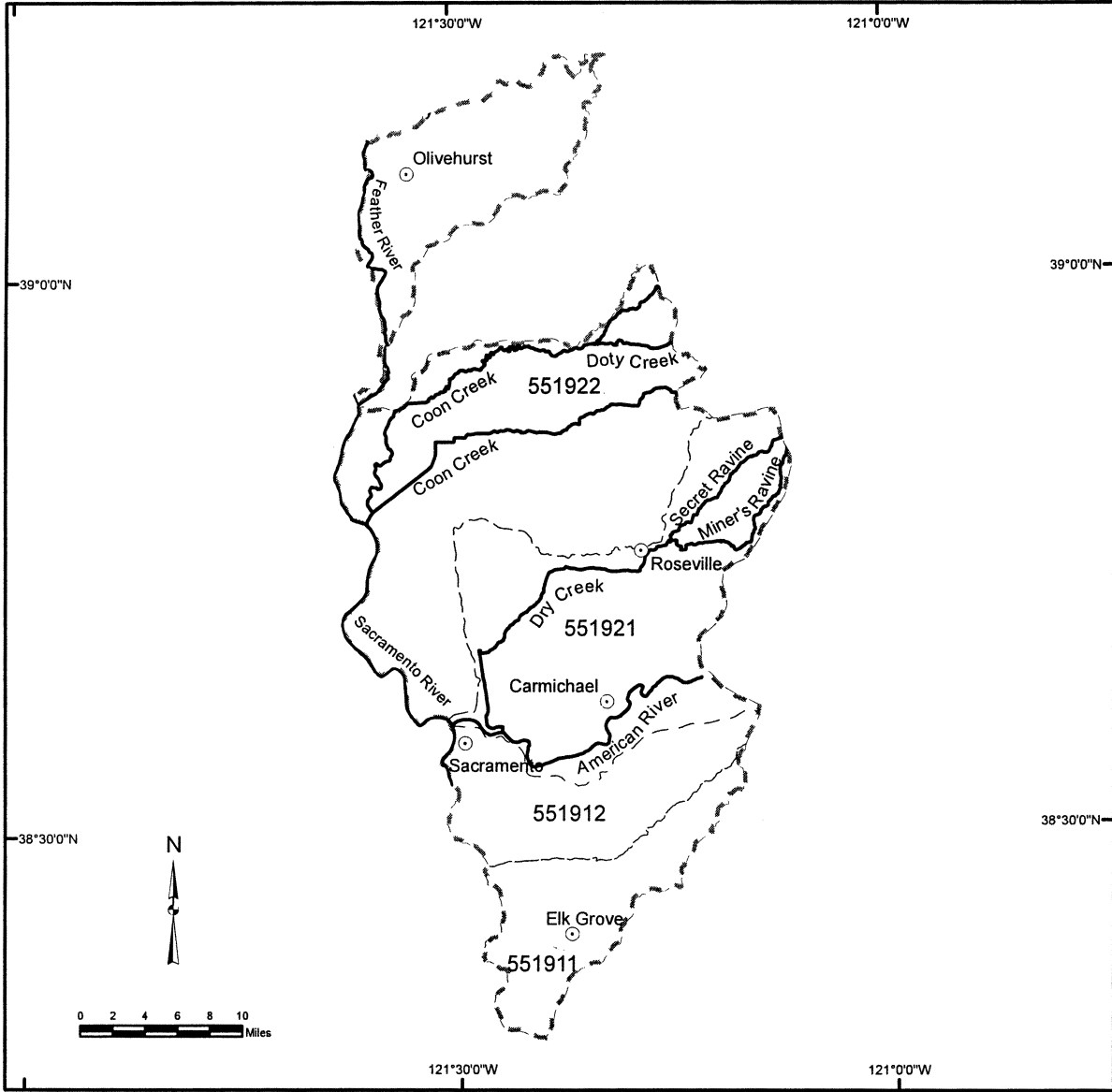
- ⊙ Cities/Towns
- Critical Habitat
- Occupied but excluded streams / areas
- ⋯ Hydrologic Unit Boundary
- ⋯ Fifth Field Calwater Hydrologic Sub-Area Boundary

110701 Fifth Field Calwater Hydrologic Sub-Area Number



Critical Habitat for the California Central Valley Steelhead

Valley-American Hydrologic Unit 5519



• Cities/Towns

— Critical Habitat

⋯ Hydrologic Unit Boundary

⋯ Fifth Field Calwater Hydrologic Sub-Area Boundary





110701 Fifth Field Calwater Hydrologic Sub-Area Number



**Critical Habitat for the
California Central Valley Steelhead**

**Colusa Basin Hydrologic Unit
5520**



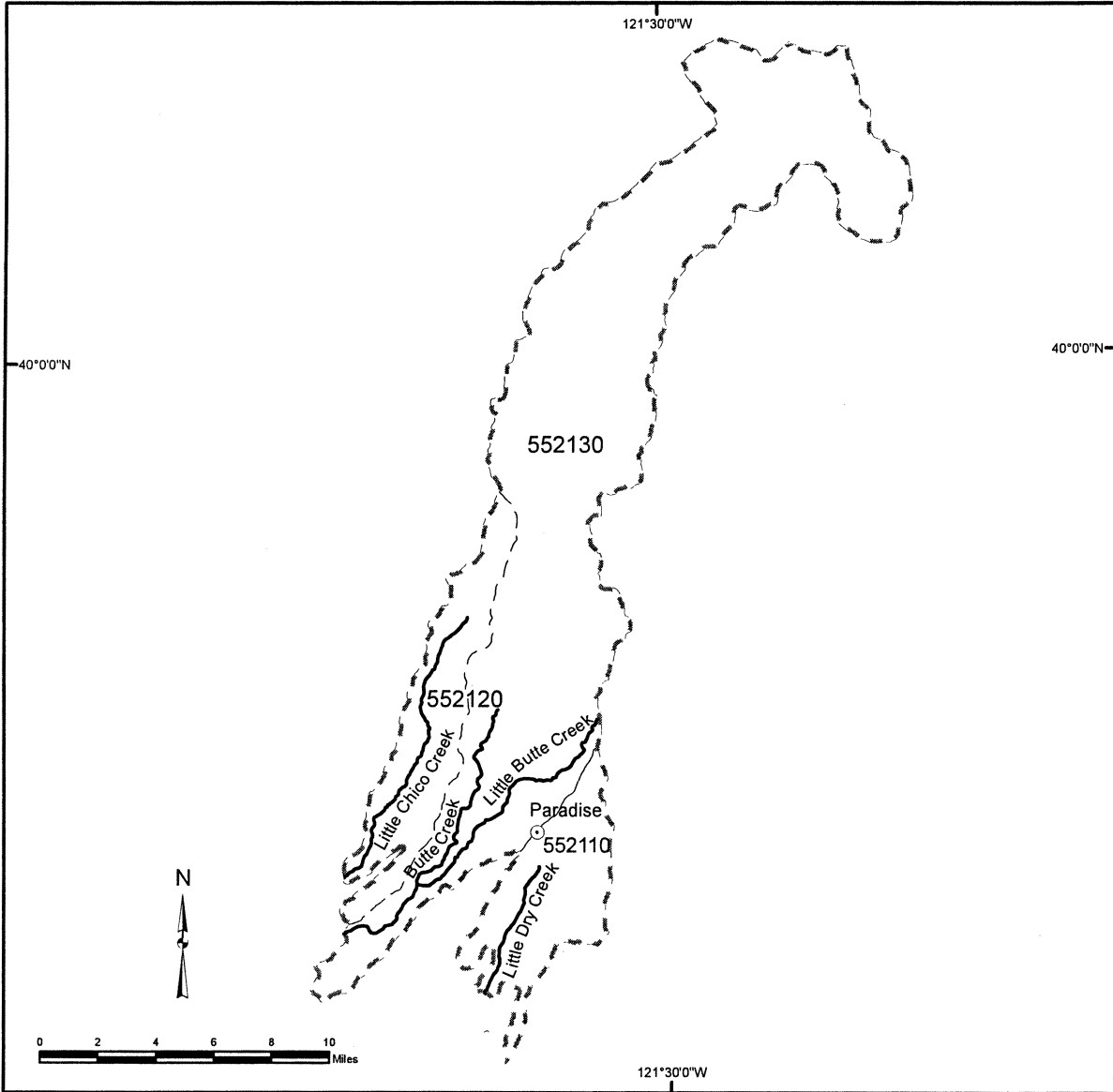
-  Cities/Towns
-  Critical Habitat
-  Hydrologic Unit Boundary
-  Fifth Field Calwater Hydrologic Sub-Area Boundary

110701 Fifth Field Calwater Hydrologic Sub-Area Number



Critical Habitat for the California Central Valley Steelhead

Butte Creek Hydrologic Unit 5521

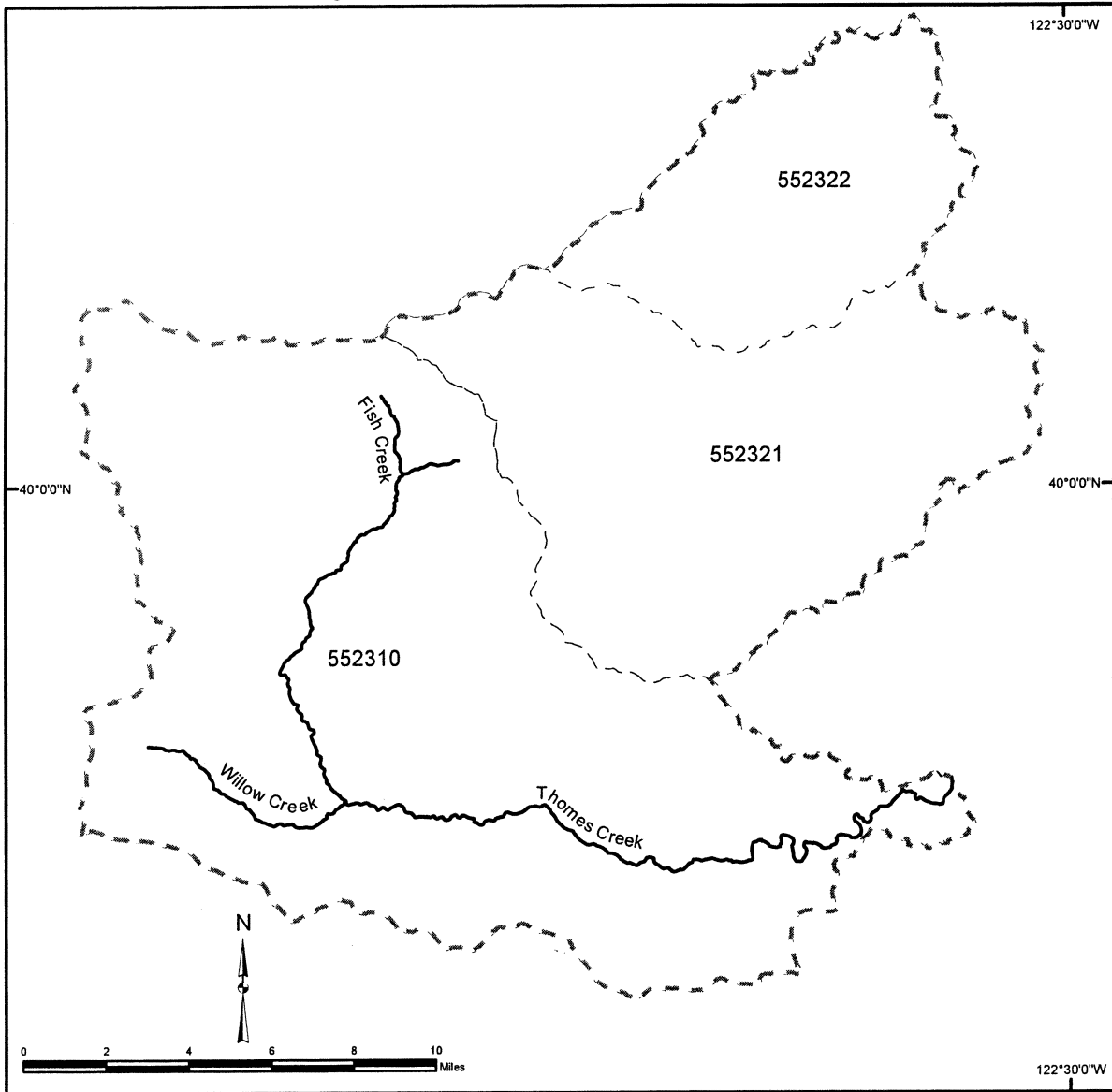


- Cities/Towns
- Critical Habitat
- Hydrologic Unit Boundary
- Fifth Field Calwater Hydrologic Sub-Area Boundary
- 110701 Fifth Field Calwater Hydrologic Sub-Area Number

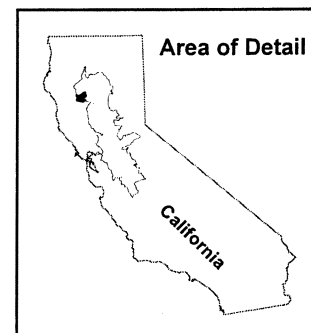


**Critical Habitat for the
California Central Valley Steelhead**

**Ball Mountain Hydrologic Unit
5523**

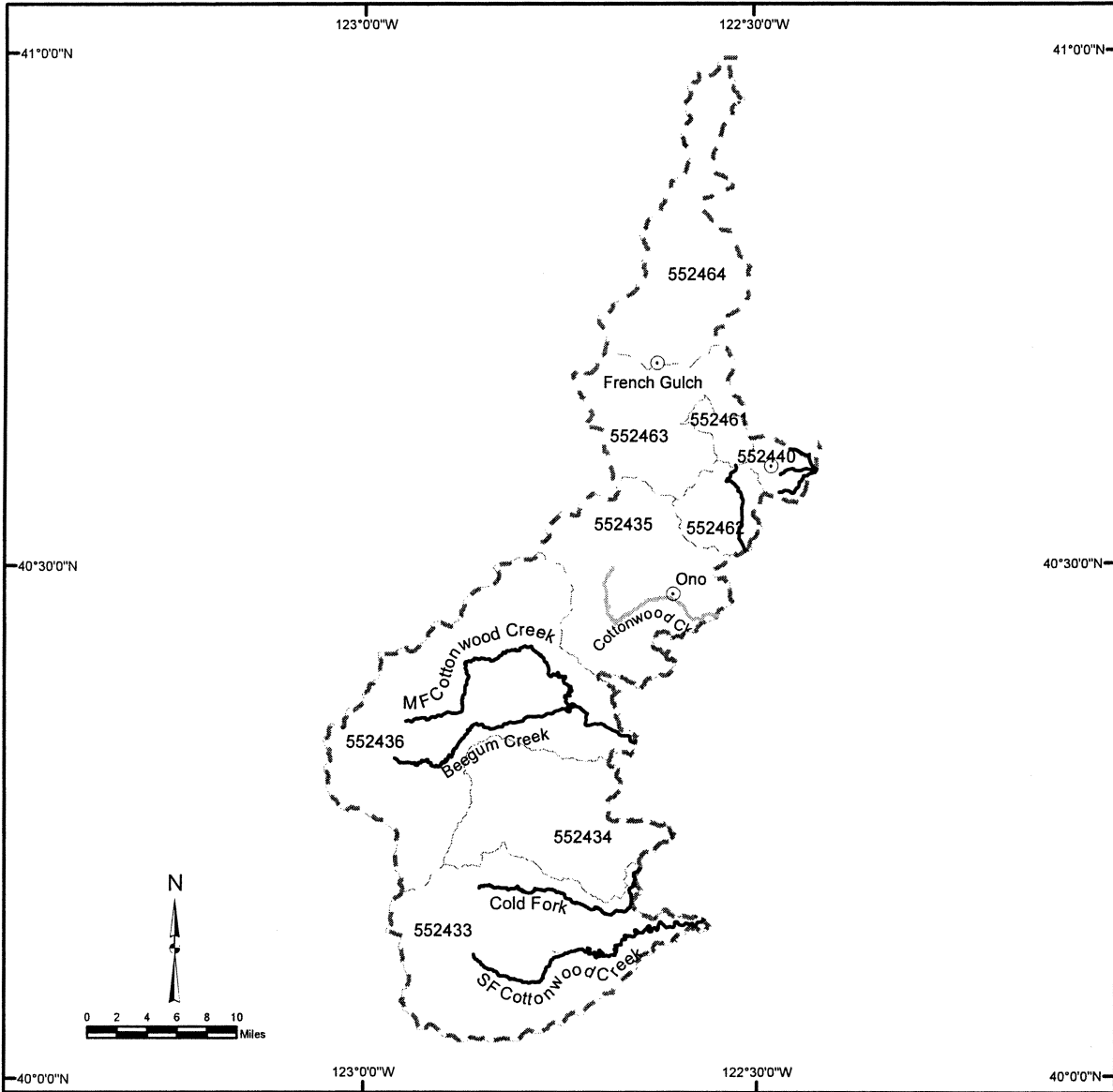


- Cities/Towns
- Critical Habitat
- - - Hydrologic Unit Boundary
- - - Fifth Field Calwater Hydrologic Sub-Area Boundary
- 110701 Fifth Field Calwater Hydrologic Sub-Area Number



Critical Habitat for the California Central Valley Steelhead

Shasta Bally Hydrologic Unit 5524



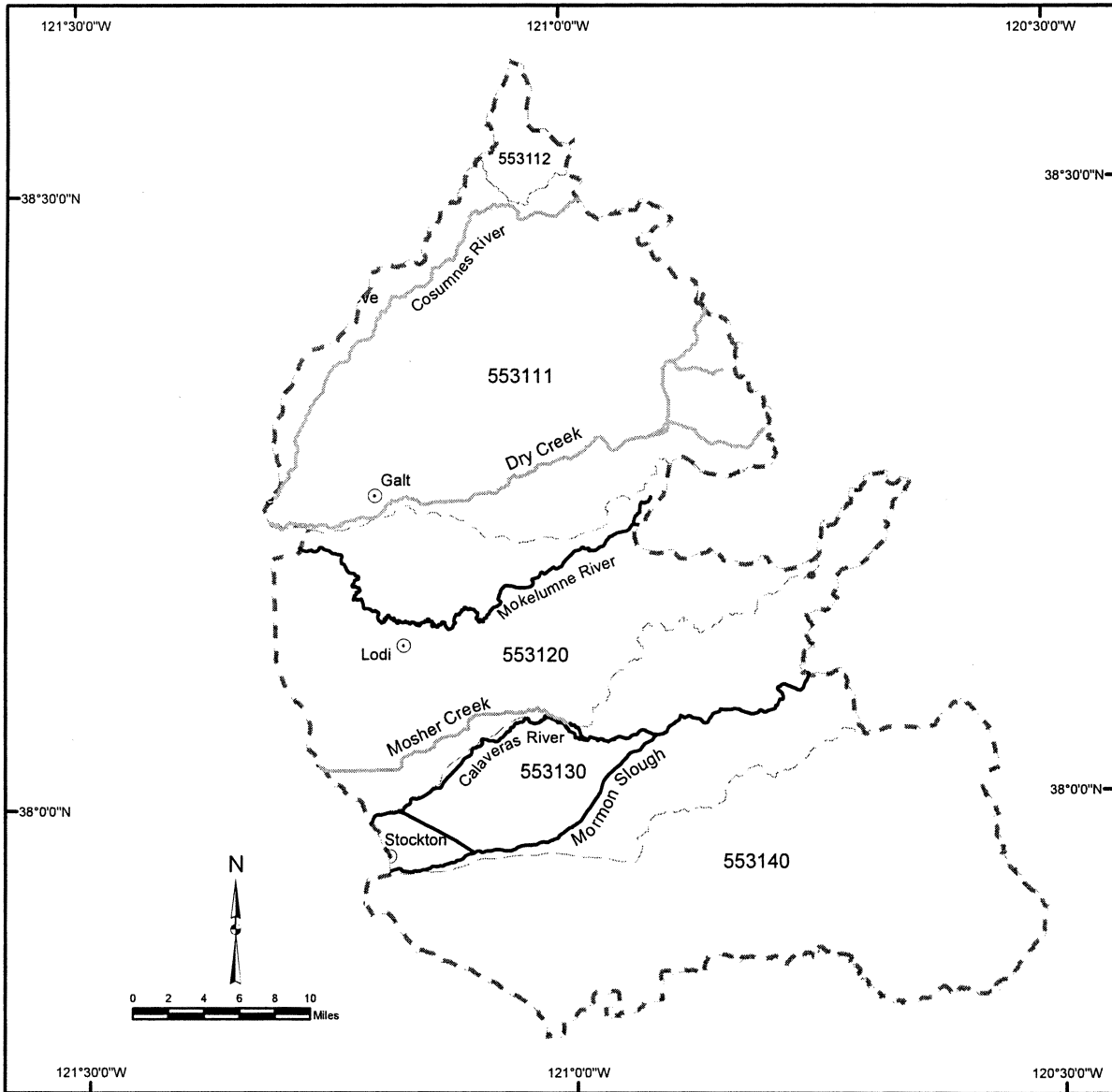
- ⊙ Cities/Towns
- Critical Habitat
- Occupied but excluded streams / areas
- Hydrologic Unit Boundary
- - - Fifth Field Calwater Hydrologic Sub-Area Boundary

110701 Fifth Field Calwater Hydrologic Sub-Area Number



Critical Habitat for the California Central Valley Steelhead

North Valley Floor Hydrologic Unit 5531



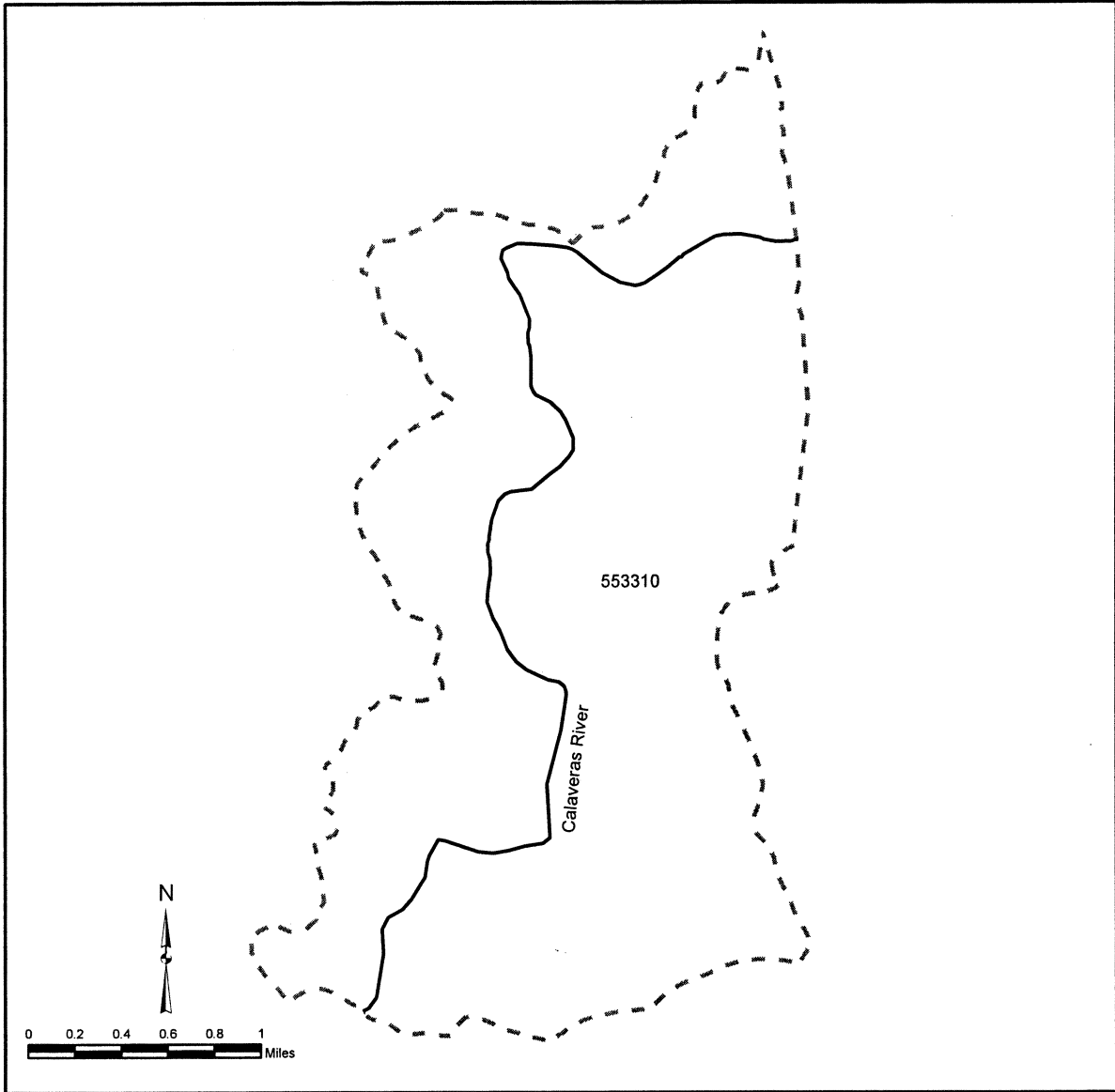
- ⊙ Cities/Towns
- Critical Habitat
- Occupied but excluded streams / areas
- ⋯ Hydrologic Unit Boundary
- ⋯ Fifth Field Calwater Hydrologic Sub-Area Boundary

110701 Fifth Field Calwater Hydrologic Sub-Area Number



**Critical Habitat for the
California Central Valley Steelhead**

**Upper Calaveras Hydrologic Unit
5533**

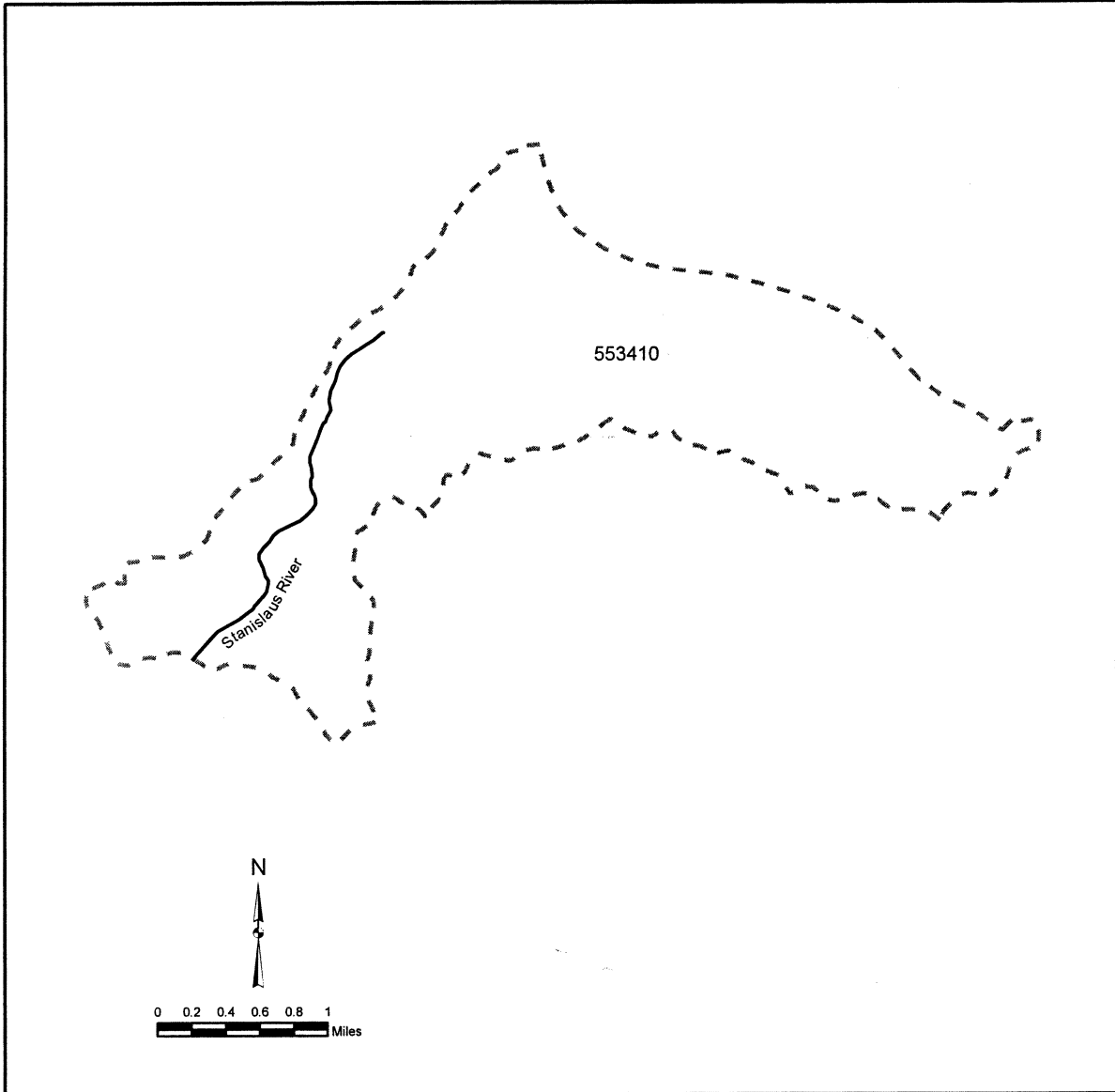


- Critical Habitat
 - - - Hydrologic Unit Boundary
 - · · Fifth Field Calwater Hydrologic Sub-Area Boundary
- 110701 Fifth Field Calwater Hydrologic Sub-Area Number



**Critical Habitat for the
California Central Valley Steelhead**

**Stanislaus River Hydrologic Unit
5534**

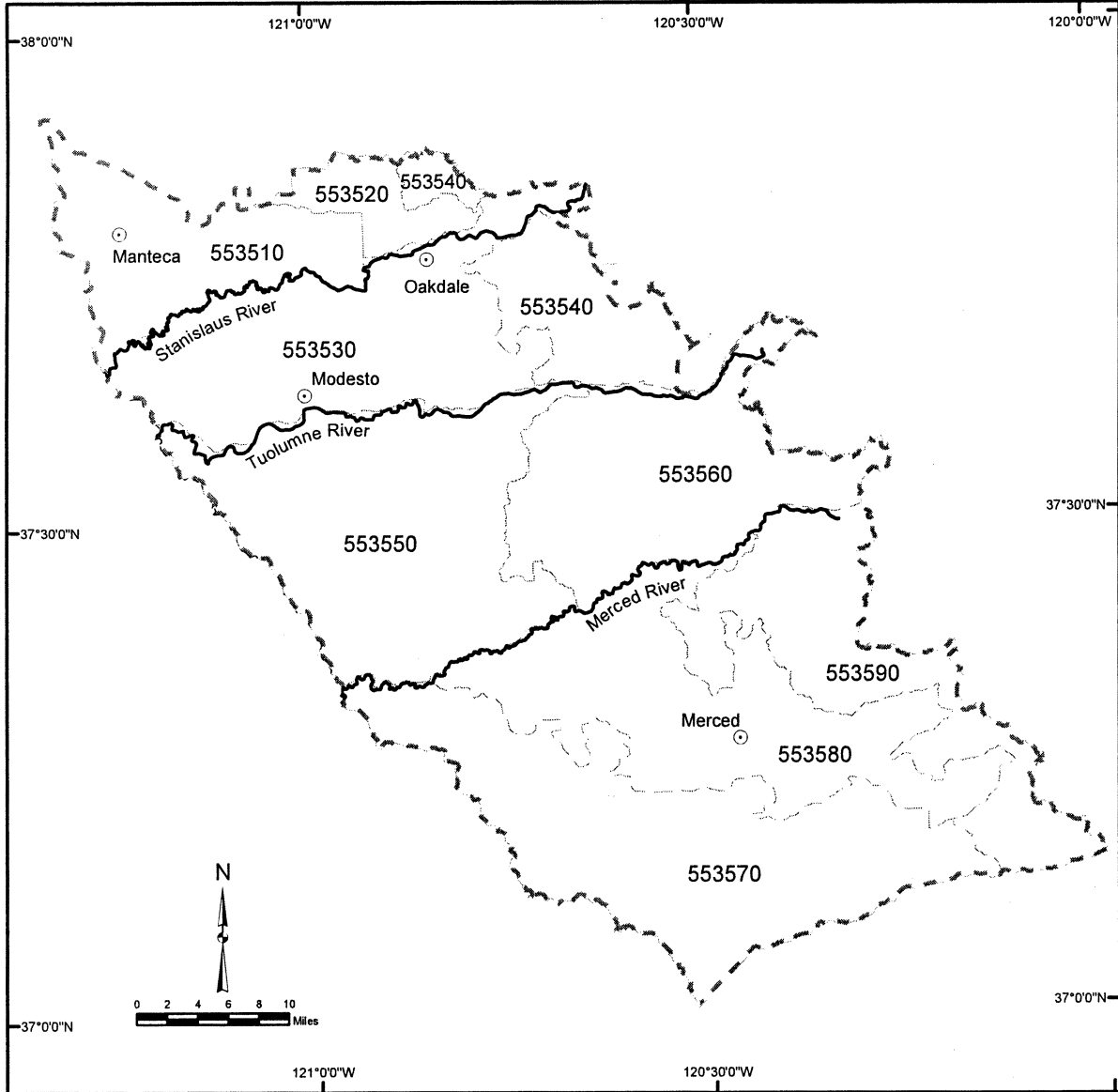


— Critical Habitat
- - - Hydrologic Unit Boundary
- - - Fifth Field Calwater Hydrologic Sub-Area Boundary
110701 Fifth Field Calwater Hydrologic Sub-Area Number



Critical Habitat for the California Central Valley Steelhead

San Joaquin Valley Floor Hydrologic Unit 5535

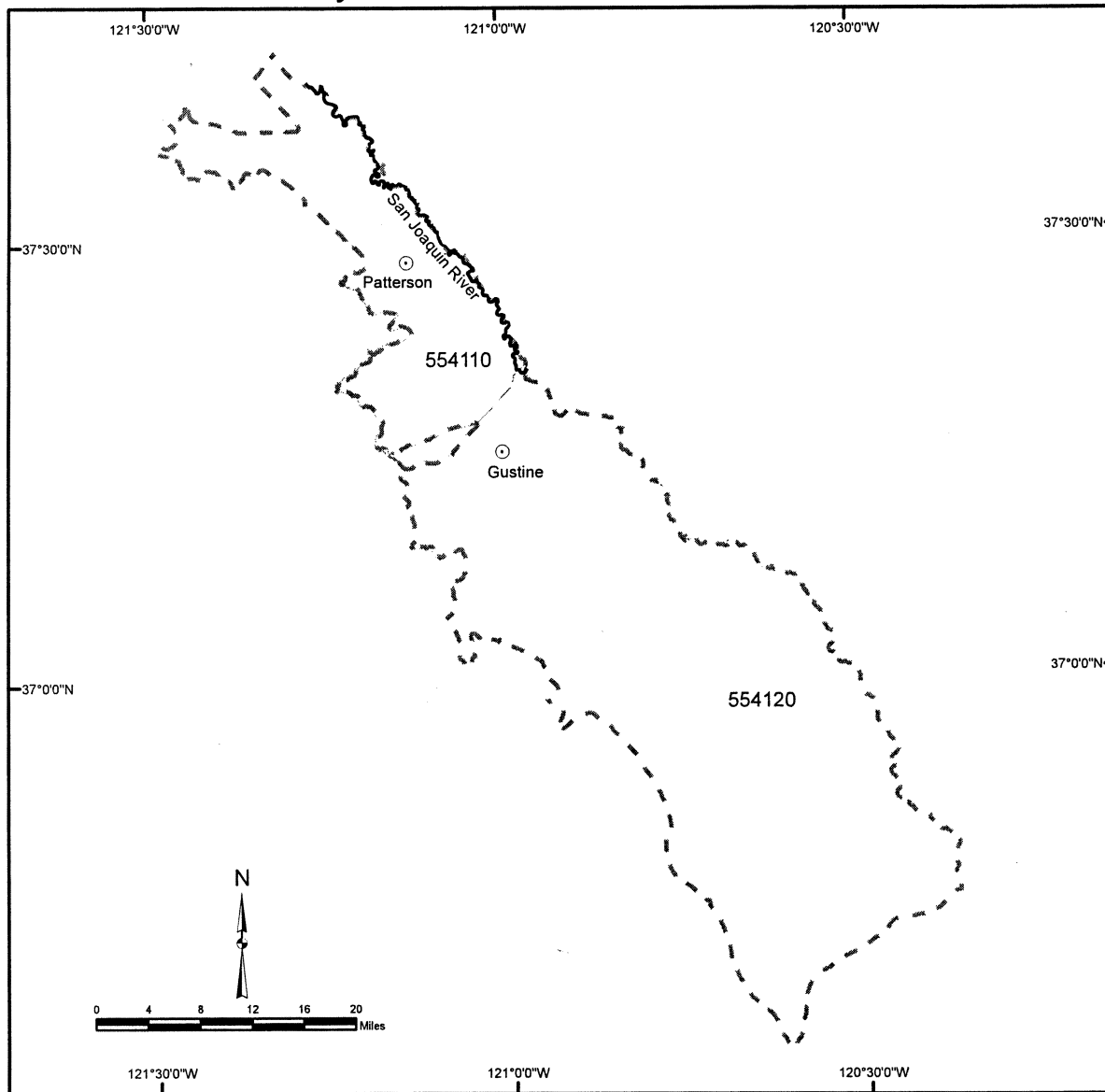


● Cities/Towns
— Critical Habitat
- - - Hydrologic Unit Boundary
- - - Fifth Field Calwater Hydrologic Sub-Area Boundary
110701 Fifth Field Calwater Hydrologic Sub-Area Number

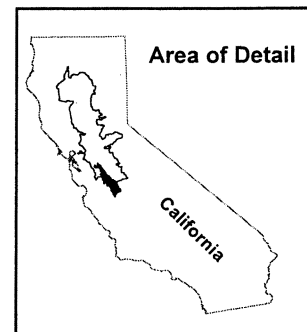


Critical Habitat for the California Central Valley Steelhead

Delta-Mendota Canal Hydrologic Unit 5541

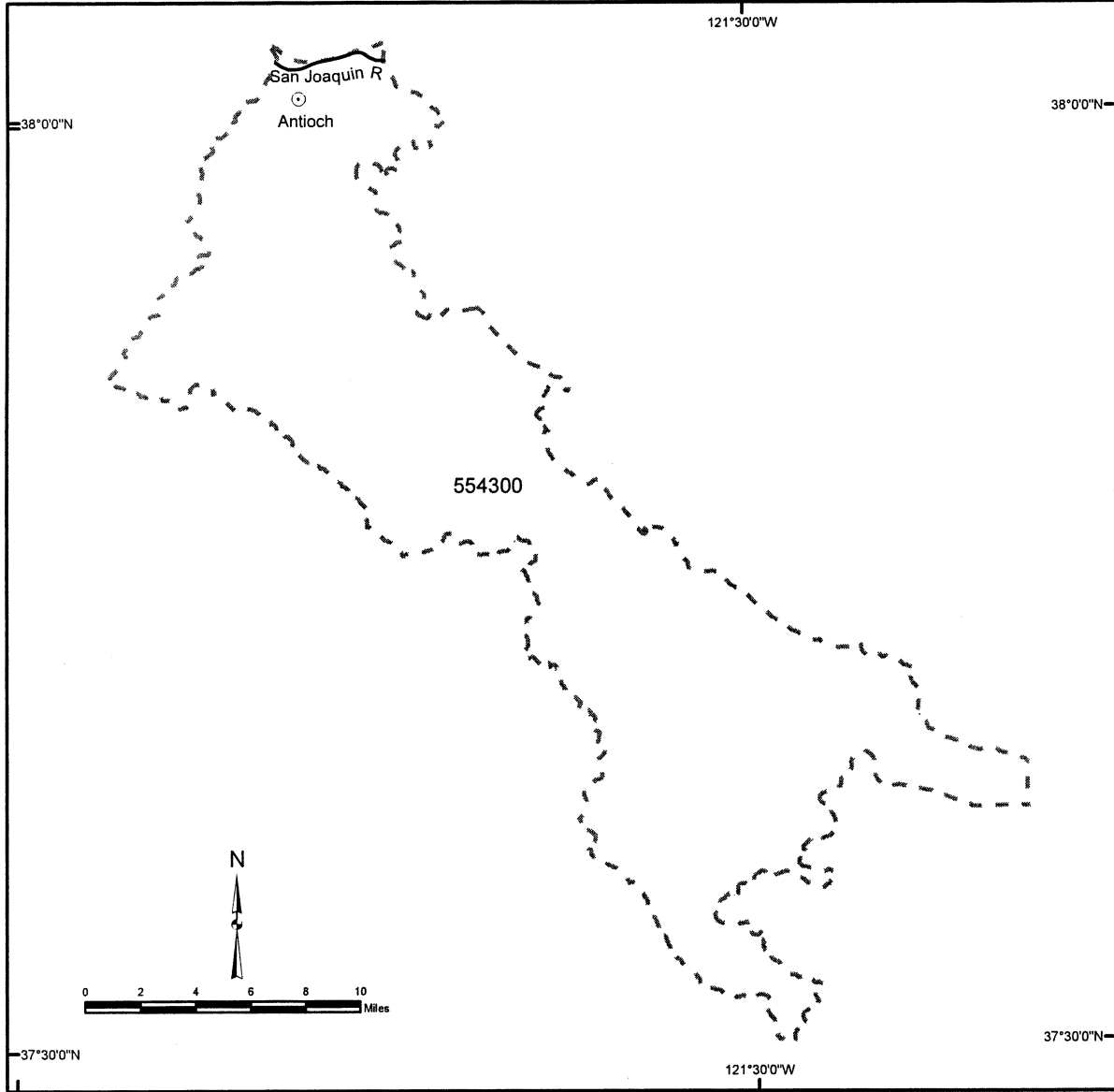


- Cities/Towns
- Critical Habitat
- - - Hydrologic Unit Boundary
- - - Fifth Field Calwater Hydrologic Sub-Area Boundary
- 110701 Fifth Field Calwater Hydrologic Sub-Area Number



Critical Habitat for the California Central Valley Steelhead

North Diablo Range Hydrologic Unit 5543

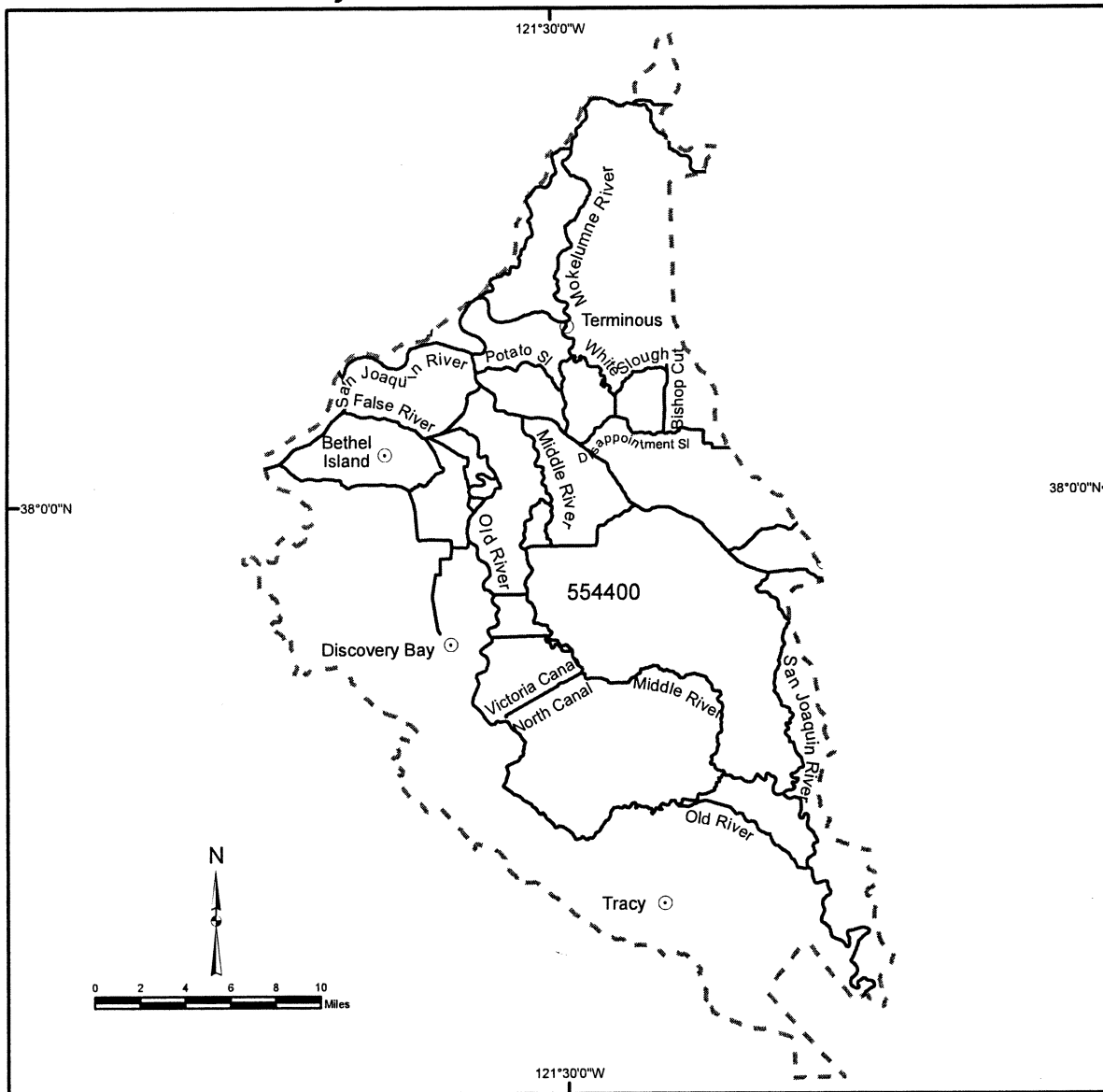


••• Cities/Towns
— Critical Habitat
- - - Hydrologic Unit Boundary
- - - Fifth Field Calwater Hydrologic Sub-Area Boundary
110701 Fifth Field Calwater Hydrologic Sub-Area Number



Critical Habitat for the California Central Valley Steelhead

San Joaquin Delta Hydrologic Unit 5544



Cities/Towns
 Critical Habitat
 Hydrologic Unit Boundary
 Fifth Field Calwater Hydrologic Sub-Area Boundary
 110701 Fifth Field Calwater Hydrologic Sub-Area Number

