Appendix L. Tidewater Goby Habitat Maps Depicting Potential Use Areas and its Overlap

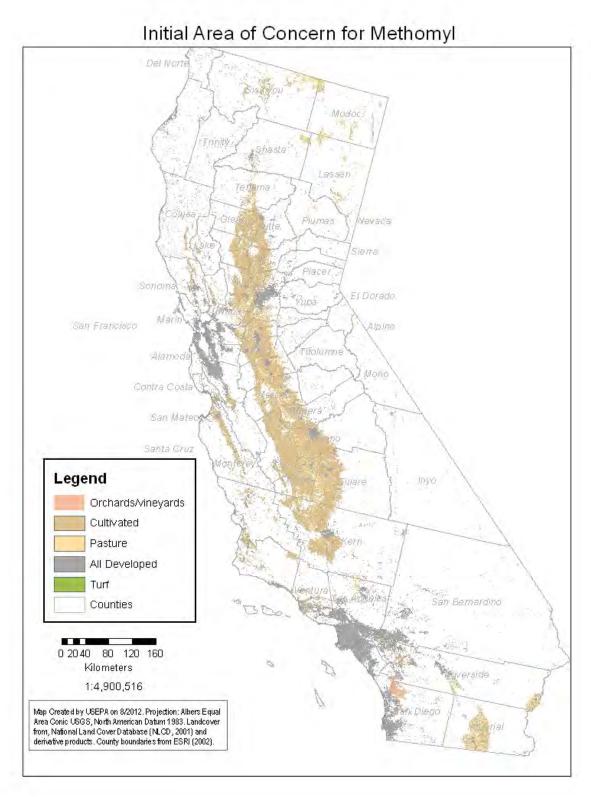


Figure 1 NLCD footprint map depicting potential use sites for methomyl.

Tidewater Goby Index Map



Figure 2 Tidewater Goby index map.

Habitat with Potential Use Area and Overlap LAKE EARL/TALAWA Legend NLCD Use site overlap Tidewater Goby sections Tidewater Goby CH Pasture Cultivated Orchards/vineyards All Developed Streams and Rivers Counties 0 0.5 1 2 Kilometers 1:99,380 Map created by US EPA on 8/2012 . Projection: Albers Equal Area Conic USGS, North American Datum of 1983 (NAD 1983).
Landcover from, National Land Cover Database (NLCD, 2001) and derivative products. County boundaries and streams from ESRI (2002).
Occurrence sections from Case No. 07-2794-JCS, critical habitat data obtained from http://crithab.fivis.gov/.

Figure 3 Tidewater Goby index map 1 depicting Lake Earl/Talawa critical habitat.

Tidewater Goby Map 2 Habitat with Potential Use Area and Overlap STONE LAGOON Legend NLCD Use site overlap Tidewater Goby sections Tidewater Goby CH Pasture Cultivated Humboldt Orchards/vineyards All Developed Streams and Rivers Counties 00.470595 1.9 2.85 3.8 Kilometers 1:97,775 Map created by US EPA on 8/2012 . Projection: Albers Equal Area Conic USGS, North American Datum of 1983 (NAD 1983).
Landcover from, National Land Gover Database (NLCD, 2001) and derivative products. County boundaries and streams from ESRI (2002).
Occurrence sections from Case No. 07-2794-JCS, critical habitat data obtained from http://crithab.fivis.gov/.

Figure 4 Tidewater Goby index map 2 depicting Stone Lagoon and Big Lagoon critical habitat.

Tidewater Goby Map 3
Habitat with Potential Use Area and Overlap

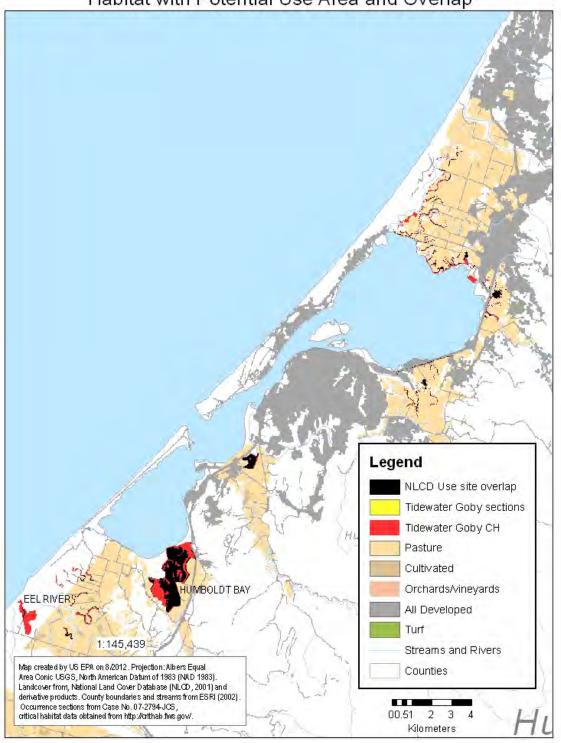


Figure 5 Tidewater Goby index map 3 depicting Humboldt Bay and Eel River critical habitat. Potential use overlap is apparent.

Tidewater Goby Map 4 Habitat with Potential Use Area and Overlap TENMILE RIVER VIRGIN CREEK Mendocino Legend NLCD Use site overlap PUDDING CREEK Tidewater Goby sections Tidewater Goby CH Pasture Cultivated Orchards/vineyards All Developed Turf 1:72,454 Streams and Rivers Map created by US EPA on 8/2012 . Projection: Albers Equal Counties Area Conic USGS, North American Datum of 1983 (NAD 1983). Landcover from, National Land Gover Database (NLCD, 2001) and derivative products. County boundaries and streams from ESRI (2002). Occurrence sections from Case No. 07-2794-JCS, critical habitat data obtained from http://crithab.flus.gov/.

Figure 6 Tidewater Goby index map 4 depicting Tenmile River, Virgin Creek and Pudding Creek critical habitat. Potential use overlap is apparent.

00.350.7

2.1

Kilometers

2.8

Tidewater Goby Map 5 Habitat with Potential Use Area and Overlap

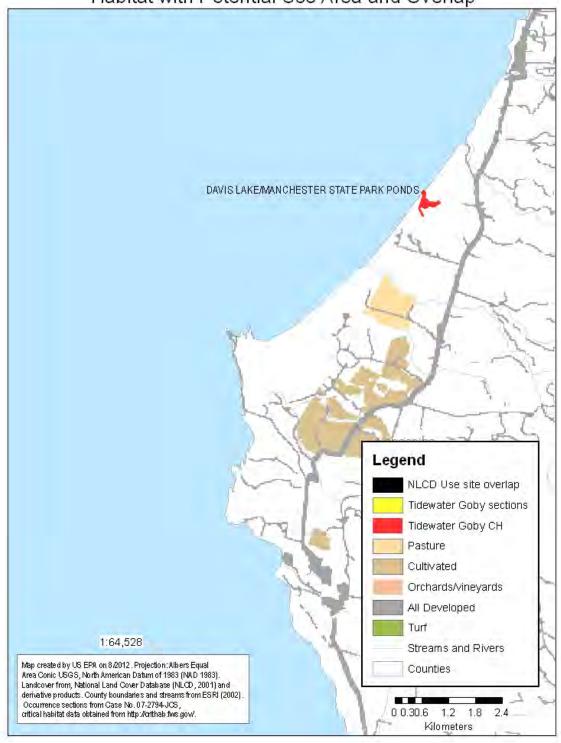


Figure 7 Tidewater Goby index map 5 depicting Davis Lake critical habitat.

Habitat with Potential Use Area and Overlap SALMON CREEK ESTERO AMERICANO ESTERO DE SAN ANTONIO Legend NLCD Use site overlap Tidewater Goby sections LAGUNITAS-TOMASINI CREEKS Tidewater Goby CH Pasture Marin Cultivated Orchards/vineyards All Developed Turf Streams and Rivers Counties 1:279,749 Map created by US EPA on 8/2012 . Projection: Albers Equal Area Conic USGS, North American Datum of 1983 (NAD 1983). Landcover from, National Land Cover Database (NLCD, 2001) and derivative products. County boundaries and streams from ESRI (2002). Occurrence sections from Case No. 07-2794-JCS, 01.252.5 critical habitat data obtained from http://crithab.fivis.gov/. Kilometers

Figure 8 Tidewater Goby index map 6 depicting Salmon Creek to Estero De San Antonio critical habitat with sections. Some potential use area overlap is apparent.

Habitat with Potential Use Area and Overlap RODEO LAGOON) Legend NLCD Use site overlap Tidewater Goby sections Tidewater Goby CH Pasture Cultivated Orchards/vineyards All Developed Turf Streams and Rivers Counties 1:113,744 Map created by US EPA on 8/2012 . Projection: Albers Equal Area Conic USGS, North American Datum of 1983 (NAD 1983). Landcover from, National Land Gover Database (NLCD, 2001) and derivative products. County boundaries and streams from ESRI (2002). Occurrence sections from Case No. 07-2794-JCS, critical habitat data obtained from http://crithab.flus.gov/. Kilometers

Figure 9 Tidewater Goby index map 7 depicting Rodeo Lagoon sections. Potential use overlap is apparent.

Habitat with Potential Use Area and Overlap SAN GREGORIO CREEK PESCADERO-BUTANO CREEKS BEAN HOLLOW Legend NLCD Use site overlap Tidewater Goby sections Tidewater Goby CH Pasture Cultivated Orchards/vineyards All Developed Turf Streams and Rivers Counties 1:113,744 Santa Cruz Map created by US EPA on 8/2012 . Projection: Albers Equal Area Conic USGS, North American Datum of 1983 (NAD 1983). Landcover from, National Land Cover Database (NLCD, 2001) and derivative products. County boundaries and streams from ESRI (2002). Occurrence sections from Case No. 07-2794-JCS, 0 0.5 1 critical habitat data obtained from http://crithab.fivis.gov/. Kilometers

Figure 10 Tidewater Goby index map 8 depicting San Gregorio Creek to Bean Hollow sections. Some overlap with potential use sites is apparent.

Habitat with Potential Use Area and Overlap LAGUNA CREEK BALDWIN CREEK CORCORAN LAGOON APTOS CREEK Legend NLCD Use site overlap Tidewater Goby sections Tidewater Goby CH Pasture Cultivated Orchards/vineyards All Developed Turf Streams and Rivers Counties 1:133,552 Map created by US EPA on 8/2012 . Projection: Albers Equal Area Conic USGS, North American Datum of 1983 (NAD 1983). Landcover from, National Land Gover Database (NLCD, 2001) and derivative products. County boundaries and streams from ESRI (2002). Occurrence sections from Case No. 07-2794-JCS, critical habitat data obtained from http://crithab.flus.gov/. 00.51 Kilometers

Figure 11 Tidewater Goby index map 9 depicting Laguna Creek to Aptos Creek critical habitat. Some potential use overlap is apparent.

Tidewater Goby Map 10 Habitat with Potential Use Area and Overlap

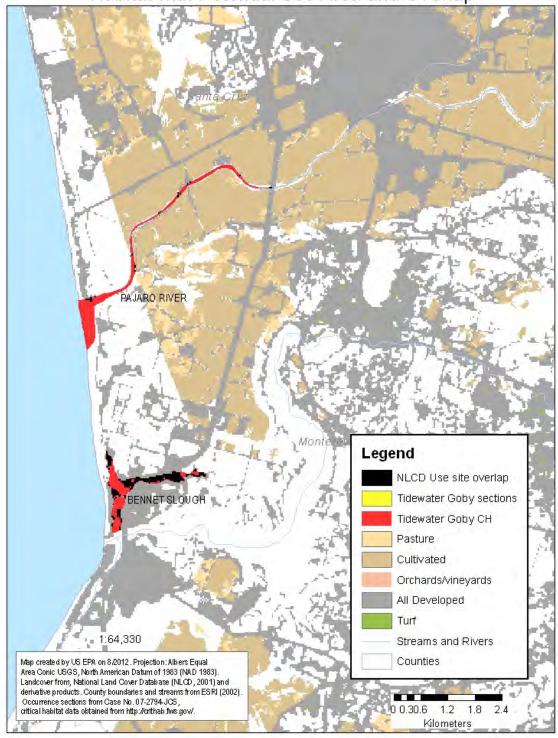


Figure 12 Tidewater Goby index map 10 depicting Pajaro River and Bennet Slough critical habitat. Some potential use overlap is apparent.

Habitat with Potential Use Area and Overlap ARROYO DEL CORRAL OAK KNOLL CREE LITTLE PICO CREEK Legend NLCD Use site overlap Tidewater Goby sections Tidewater Goby CH Pasture Cultivated Orchards/vineyards All Developed Turf Streams and Rivers Counties 1:81,624 Map created by US EPA on 8/2012 . Projection: Albers Equal Area Conic USGS, North American Datum of 1983 (NAD 1983). Landcover from, National Land Cover Database (NLCD, 2001) and derivative products. County boundaries and streams from ESRI (2002). Occurrence sections from Case No. 07-2794-JCS, 0.40.8 1.6 critical habitat data obtained from http://crithab.fivis.gov/. Kilometers

Figure 13 Tidewater Goby index map 11 depicting Arroyo Del Corral to San Simeon Creek critical habitat. Some potential use overlap is apparent.

Tidewater Goby Map 12 Habitat with Potential Use Area and Overlap San Luis Obispo SAN GERONIMO CREEK Legend NLCD Use site overlap Tidewater Goby sections Tidewater Goby CH Pasture Cultivated Orchards/vineyards All Developed Turf Streams and Rivers Counties 1:51,426 Map created by US EPA on 8/2012 . Projection: Albers Equal Area Conic USGS, North American Datum of 1983 (NAD 1983). Landcover from, National Land Cover Database (NLCD, 2001) and derivative products. County boundaries and streams from ESRI (2002). Occurrence sections from Case No. 07-2794-JCS, 00.250.5 1 critical habitat data obtained from http://crithab.fivis.gov/. Kilometers

Figure 14 Tidewater Goby index map 12 depicting Villa Creek to San Geronimo Creek critical habitat. Some potential use overlap is apparent.

Tidewater Goby Map 13 Habitat with Potential Use Area and Overlap PISMO CREE! Legend NLCD Use site overlap Tidewater Goby sections Tidewater Goby CH Pasture SANTA MARIA RIVER Cultivated Orchards/vineyards All Developed Turf Streams and Rivers Counties 1:175,924 Map created by US EPA on 8/2012 . Projection: Albers Equal Area Conic USGS, North American Datum of 1983 (NAD 1983). Landcover from, National Land Cover Database (NLCD, 2001) and derivative products. County boundaries and streams from ESRI (2002). Occurrence sections from Case No. 07-2794-JCS,

Figure 15 Tidewater Goby index map 13 depicting Pismo Creek to Santa Maria River critical habitat. Some potential use overlap is apparent.

critical habitat data obtained from http://crithab.fivis.gov/.

00.74.5

Kilometers

Habitat with Potential Use Area and Overlap Santa Barbara CANADA DE SANTA ANITA CANADA DE LAS AGUJAS CANADA DE ALEGRIA GAVIOTA CREEK CANADA DE AGUA CALIENTE Legend NLCD Use site overlap Tidewater Goby sections Tidewater Goby CH Pasture Cultivated Orchards/vineyards All Developed Turf Streams and Rivers Counties 1:69,325 Map created by US EPA on 8/2012 . Projection: Albers Equal Area Conic USGS, North American Datum of 1983 (NAD 1983). Landcover from, National Land Gover Database (NLCD, 2001) and derivative products. County boundaries and streams from ESRI (2002). Occurrence sections from Case No. 07-2794-JCS, critical habitat data obtained from http://crithab.flus.gov/. 00.32565 1.3 1.95 Kilometers

Figure 16 Tidewater Goby index map 14 depicting Canada de Las Agujas to Gaviota Creek critical habitat. Some potential use overlap is apparent.

Tidewater Goby Map 15
Habitat with Potential Use Area and Overlap

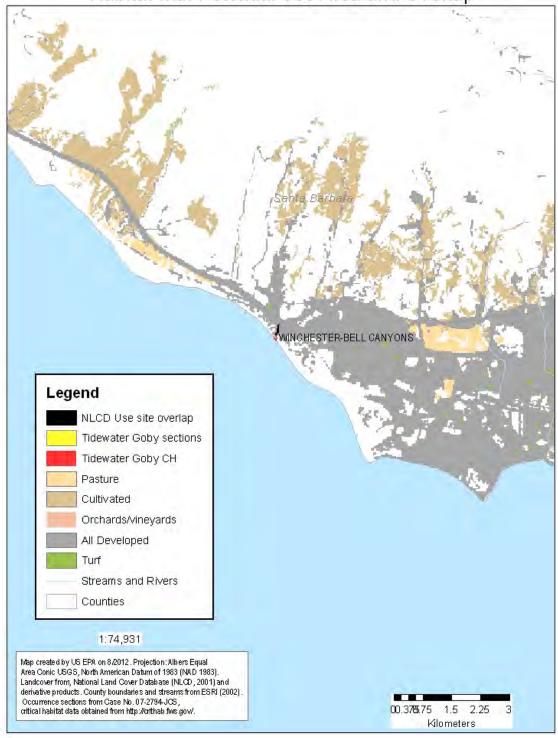


Figure 17 Tidewater Goby index map 15 depicting Winchester-Bell Canyons critical habitat. Some potential use overlap is apparent.

Habitat with Potential Use Area and Overlap MISSION CREEK - LAGUNA CHANNEL ARROYO BURRO Legend NLCD Use site overlap Tidewater Goby sections Tidewater Goby CH Pasture Cultivated Orchards/vineyards All Developed Turf Streams and Rivers Counties 1:59,493 Map created by US EPA on 8/2012 . Projection: Albers Equal Area Conic USGS, North American Datum of 1983 (NAD 1983). Landcover from, National Land Gover Database (NLCD, 2001) and derivative products. County boundaries and streams from ESRI (2002). Occurrence sections from Case No. 07-2794-JCS, critical habitat data obtained from http://crithab.flus.gov/. OD.270555 1.1 1.65 Kilometers

Figure 18 Tidewater Goby index map 16 depicting Arroyo Burro to Mission Creek critical habitat. Some potential use overlap is apparent.

Tidewater Goby Map 17 Habitat with Potential Use Area and Overlap VENTURA RIVER SANTA CLARA RIVER entura Legend NLCD Use site overlap Tidewater Goby sections Tidewater Goby CH Pasture Cultivated Orchards/vineyards All Developed J-STREET DRAIN - ORMOND LAGOON Turf Streams and Rivers Counties 1:125,000 Map created by US EPA on 8/2012 . Projection: Albers Equal Area Conic USGS, North American Datum of 1983 (NAD 1983). Landcover from, National Land Cover Database (NLCD, 2001) and derivative products. County boundaries and streams from ESRI (2002). Occurrence sections from Case No. 07-2794-JCS, 00.51

Figure 19 Tidewater Goby index map 17 depicting Ventura River to J-Street Drain critical habitat. Some potential use overlap is apparent.

Kilometers

critical habitat data obtained from http://crithab.fivis.gov/.

Habitat with Potential Use Area and Overlap MALIBU CREEK TOPANGA CREEK Legend NLCD Use site overlap Tidewater Goby sections Tidewater Goby CH Pasture Cultivated Orchards/vineyards All Developed Turf Streams and Rivers Counties 1:110,825 Map created by US EPA on 8/2012 . Projection: Albers Equal Area Conic USGS, North American Datum of 1983 (NAD 1983). Landcover from, National Land Gover Database (NLCD, 2001) and derivative products. County boundaries and streams from ESRI (2002). Occurrence sections from Case No. 07-2794-JCS, critical habitat data obtained from http://crithab.flus.gov/. 0 0.5 1 Kilometers

Figure 20 Tidewater Goby index map 18 depicting Malibu Creek to Topanga Creek critical habitat. Some potential use overlap is apparent.