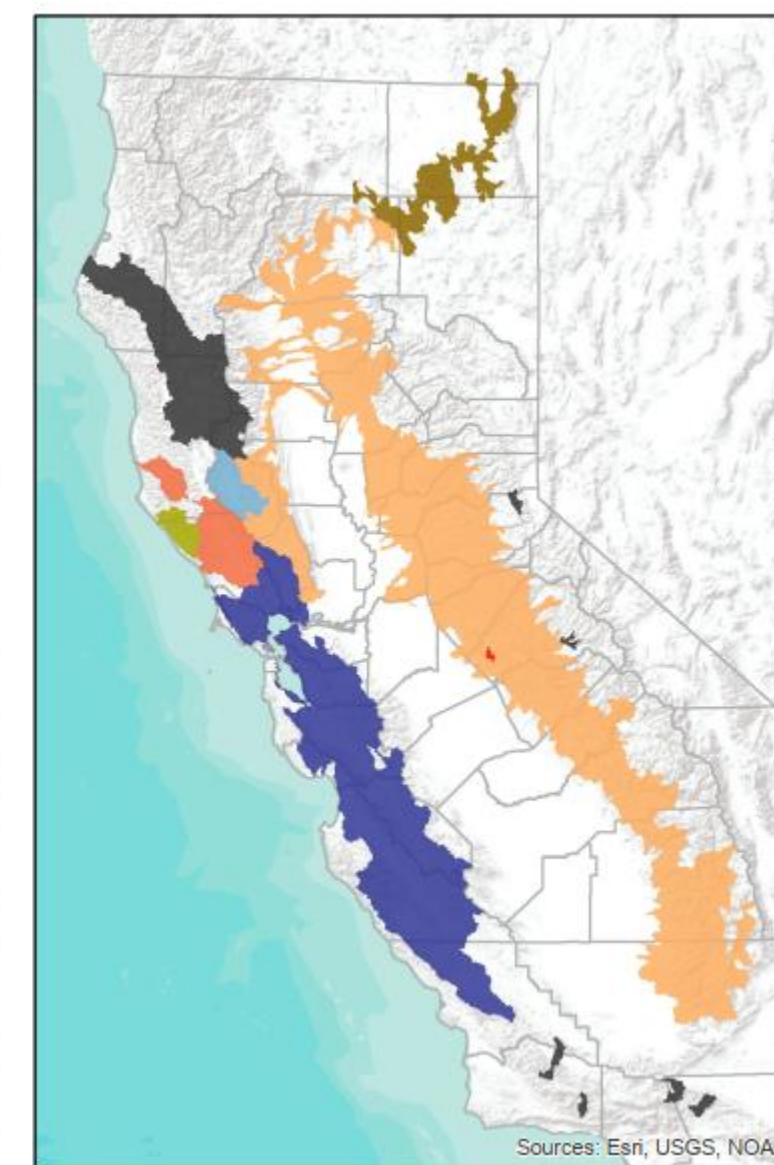
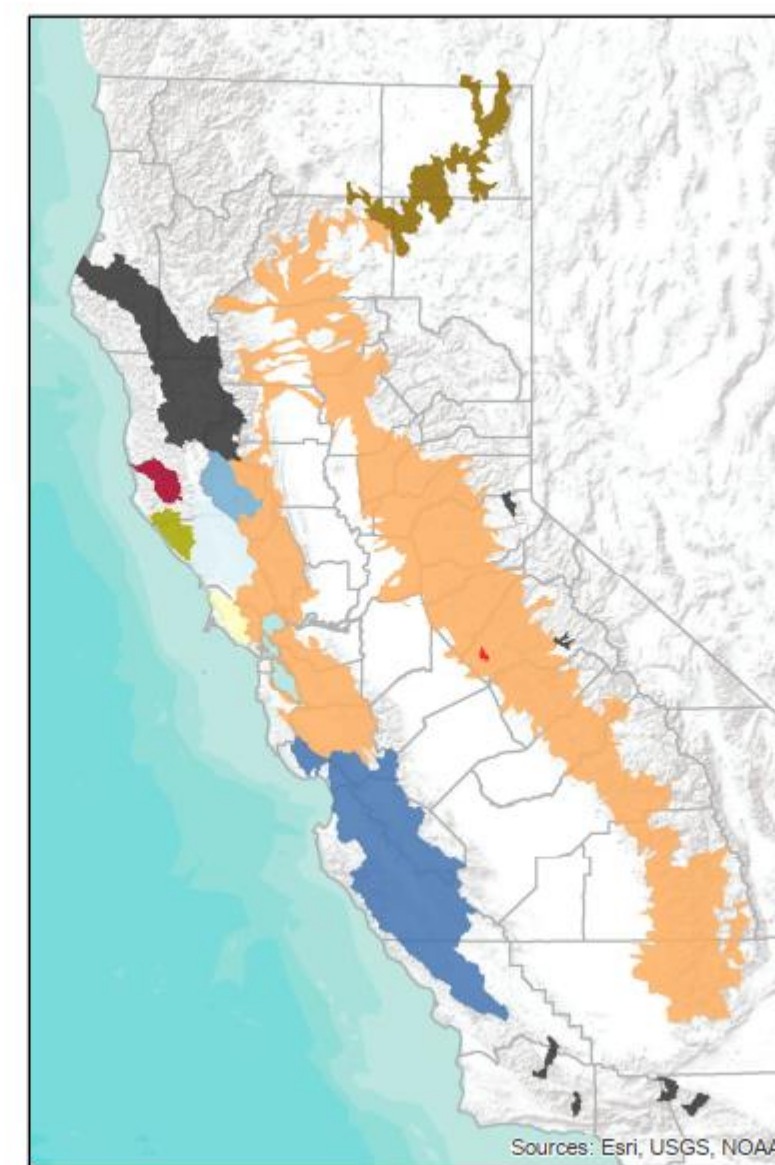
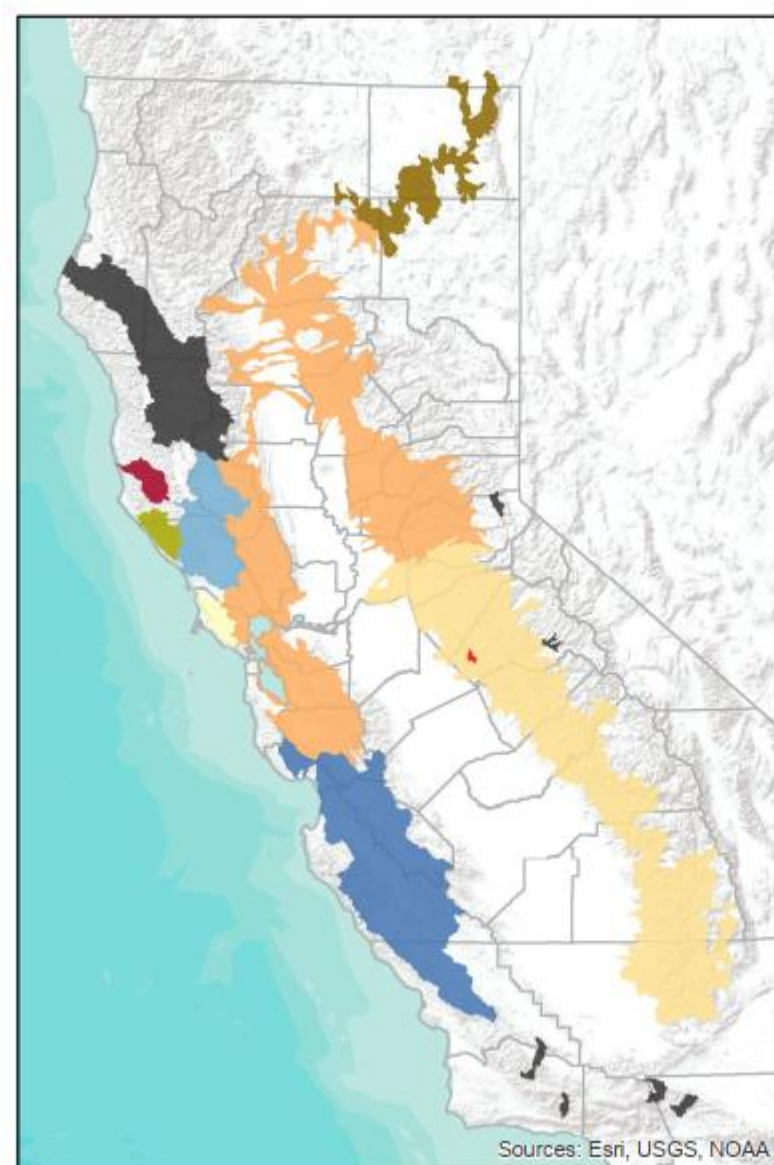
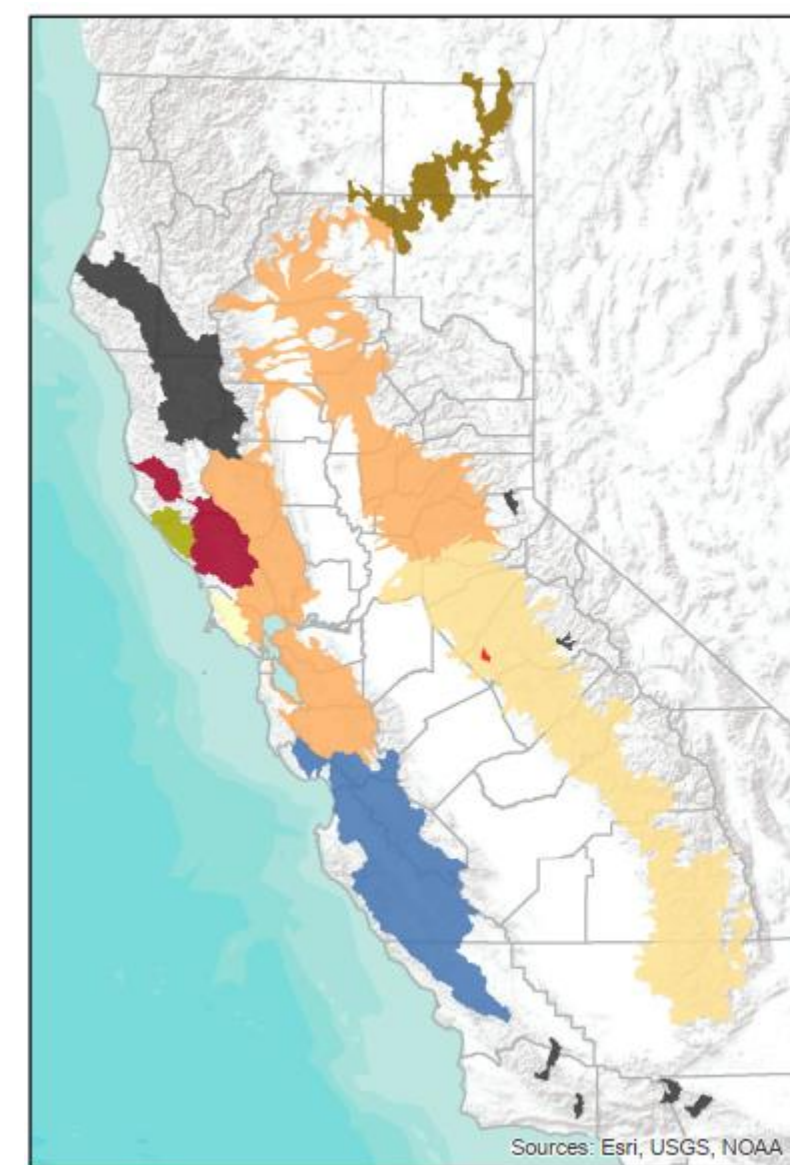











# California Roach Complex (*Lavinia* sp./*Hesperoleucus* sp.)

Comparative taxonomic & nomenclature changes between 1995 Fish Species of Special Concern (FSSC), 2010 California Natural Diversity Database (CNDDDB) treatment, 2015 FSSC, and Nov 2021 CNDDDB update



1995 Fish Species of Special Concern

Roach Common Name, Scientific Name

	Pit,	<i>L. symmetricus mitrulus</i>
	Sacramento,	<i>L. s. symmetricus</i>
	San Joaquin,	<i>L. s. ssp.</i>
	Red Hills,	<i>L. s. ssp.</i>
	Navarro,	<i>L. s. navarroensis</i>
	Gualala,	<i>L. s. parvipinnis</i>
	Tomales,	<i>L. s. ssp.</i>
	Monterey,	<i>L. s. subditus</i>
	Translocated,	<i>L. symmetricus</i>











2010 CNDDDB nomenclature

Roach Common Name, Scientific Name

	Pit,	<i>L. s. mitrulus</i>
	Sacramento-San Joaquin,	<i>L. s. symmetricus</i>
	San Joaquin,	<i>L. s. ssp. 1</i>
	Red Hills,	<i>L. s. ssp. 3</i>
	Navarro,	<i>L. s. navarroensis</i>
	Gualala,	<i>L. s. parvipinnis</i>
	Tomales,	<i>L. s. ssp. 2</i>
	Clear Lake - Russian River,	<i>L. s. ssp. 4</i>
	Monterey,	<i>L. s. subditus</i>
	Translocated,	<i>L. symmetricus</i>









2015 Species of Special Concern

Roach Common Name, Scientific Name

	Northern,	<i>L. mitrulus</i>
	Central California,	<i>L. s. symmetricus</i>
	Red Hills,	<i>L. s. ssp.</i>
	Navarro,	<i>L. s. navarroensis</i>
	Gualala,	<i>L. parvipinnis</i>
	Russian River,	<i>L. s. ssp.</i>
	Tomales,	<i>L. s. ssp.</i>
	Clear Lake,	<i>L. s. ssp.</i>
	Monterey,	<i>L. s. subditus</i>
	Translocated,	<i>L. symmetricus</i>

November 2021 CNDDDB nomenclature

Roach Common Name, Scientific Name

	Northern,	<i>H. mitrulus</i>
	Central California,	<i>H. s. symmetricus</i>
	Red Hills,	<i>H. s. serpentinus</i>
	Northern Coastal,	<i>H. venustus navarroensis</i>
	Gualala,	<i>H. parvipinnis</i>
	Clear Lake,	<i>H. symmetricus x H. venustus</i>
	Southern Coastal,	<i>H. venustus subditus</i>
	Translocated,	<i>L. symmetricus</i>