August 2008

NMFS-SWR-HCD

Coyote Creek Watershed

Area	Hydrologic Units	Calwater Subbasins ---	(Planning Watersheds)
260,373 Acres	18050003	2205200001	Toroges Creek (6395 Acres)
105,369 Hectares	4th Field **HUC**	2205200002	Mission Creek (4717 Acres)
407 Square Miles		2205200003	Newark Slough (22184 Acres)
	2205	2205300101	Soup Bowl Creek (8721 Acres)
Location	4th Field **Calwater**	2205300102	East Fork Coyote River (10904 Acres)
Alameda County		2205300103	Middle Fork Coyote Creek (8286 Acres)
Santa Clara County		2205300104	Kelly Cabin Canyon (4283 Acres)
		2205300105	Long Canyon (10159 Acres)
		2205300201	Middle Coyote Creek (5597 Acres)
		2205300202	Rough Gulch (4666 Acres)
		2205300203	Coon Hunters Gulch (7106 Acres)
		2205300301	Dexter Canyon (5562 Acres)
		2205300302	Larios Canyon (10055 Acres)
		2205300303	Canada de los Osos (6678 Acres)
		2205300401	San Felipe Creek (6142 Acres)
		2205300402	Carlin Canyon (6935 Acres)
		2205300403	Animas Creek (7441 Acres)
		2205300404	Packwood Creek (6274 Acres)
		2205300405	Halls Valley (8043 Acres)
		2205300501	Lower Coyote Creek (17938 Acres)
		2205300502	Anderson Lake (7558 Acres)
		2205300601	Yerba Buena Creek (13784 Acres)
		2205300602	Fowler Creek (3349 Acres)
		2205300701	Little Uvas Creek (3035 Acres)
		2205300702	Babb Creek (4742 Acres)
		2205300703	Penitencia Creek (5738 Acres)
		2205300704	Berryessa Creek (8834 Acres)
		2205300705	Arroyo Aguague (5653 Acres)
		2205300800	San Jose (37316 Acres)
		2205400500	San Jose West (2279 Acres)

Species Potential	Miles of Streams with Species Present
Central California Coast **Steelhead**	Steelhead
Interior San Francisco Bay Diversity Stratum	48
- Potentially Independent	NOAA Fisheries, Critical Habitat Redesignation, 2005

Critical Habitat

Central California Coast Steelhead	48 Miles of Stream

Miles of Waterway[A]	Miles	Number of Dams[C]
Naturally Occurring Waterways		26
Intermittent Stream	537	5 - Impassable
Perennial Stream	175	8 - Not a Barrier
Canal / Ditch	89	7 - Partial/Temporal Barriers
Connector	2	6 - Unknow Barrier Status
Pipeline	20	
Artificial Path	49	[C]Passage Assessment Database, Pacific States Marine Fisheries Commission, 2005

[A]USGS National Hydrography Dataset, High Resolution, 2004. 1:24,000

USGS **Gaging Stations**[B]
11169800
Coyote Creek near Gilroy
11169850
Coyote Lake near San Martin
11169920
Anderson Lake near Madrone
11170000
Coyote Creek near Madrone
11170500
Coyote Creek at Coyote
11171000
Laguna Seca near Coyote
11171500
Coyote Creek near Edenvale
11172000
Coyote Creek at San Jose
11172100
Upper Penitencia at San Jose
11172175
oyote Creek above Highway 237 at Milpitas
11172500
Laguna Creek at Irvington

Number of **Barriers**[C]
72
26 Dams
11 Road Crossings (1 Impassable, 9 Temp. &/or Partially Impassable)

[C]Passage Assessment Database,
Pacific States Marine Fisheries Commission, 2006

EPA Total Maximum Daily Load Classification (**TMDL**)[I]

High Priority - Diazinon

Sources: Urban runoff / Storm sewers

[I]State Water Resources Control Board, 2003

Average Annual **Precipitation**[E]	Average Annual **Precipitation Range**[E]
19.3"	13 - 27.5"

[E]California Mean Annual Precipitation Zones, 1900-1960, CA Department of Forestry, 1990

Roads[A]	Miles
Roads in Watershed	
Primary Road / Highway	127
Secondary and connecting road, state highways	17
Local, neighborhood, and rural road, city street, unseparated	1,631
Vehicular trail, 4WD	18
Driveway or service road	19
Total Miles	1,811

Road Density	
Miles of Roads per SqMi of Watershed	4.5
Miles of Roads per SqMi of 100m Riparian Buffer*	3.3

*Buffer is 100 meters on either side of the stream centerline

[A]U.S. Census Bureau - Tiger 2000, 2002. 1:24,000

Slope[D]	Acres	Percent of watershed
Lands of 0-2 percent slope	48,866	19%
Lands of 2-4 percent slope	19,257	7%
Lands of 4-10 percent slope	19,284	7%
Lands of 10-15 percent slope	14,289	5%
Lands of 15-30 percent slope	53,972	21%
Lands of 30-60 percent slope	88,604	34%
Lands of 60-100 percent slope	16,000	6%
Lands of 100-117 percent slope	84	0%
Elevation Range	0 - 3642 ft.	0 - 1110 m

[D]Slope derived from USGS 10 meter Digital Elevation Models (DEM's)

Vegetation[G]	Acres	Percent of watershed
Agriculture	10,937	4%
Annual grassland	57,252	22%
Conifer Forest		
Ponderosa Pine	326	0%
Redwood	5,147	2%
Hardwood Forest		
Montane Hardwood	2,471	1%
Hardwood Woodland		
Blue Oak Foothill Pine	3,257	1%
Blue Oak Woodland	2,145	1%
Coastal Oak Woodland	48,961	19%
Valley Foothill Riparian	111	0%
Valley Oak Woodland	11,896	5%
Shrub	44,348	17%
Urban	70,220	27%
Water	2,451	1%
Wetland	835	0%

[G]Multi-source Land Cover Data (2002 v2), CA Department of Forestry, 2002. 100 meter Grid

Land Ownership[H]	Acres	Percent of watershed
Private	217,039	83%
Local (Park)	13,395	5%
State (Parks & Recreation)	23,686	9%
Federal (Fish & Wildlife)	1,458	1%
Federal (Other)	4,795	2%

[H]Management Landscape, CA Department of Forestry, 2002

Population[I]

Total Population within the watershed -- 614,698 People

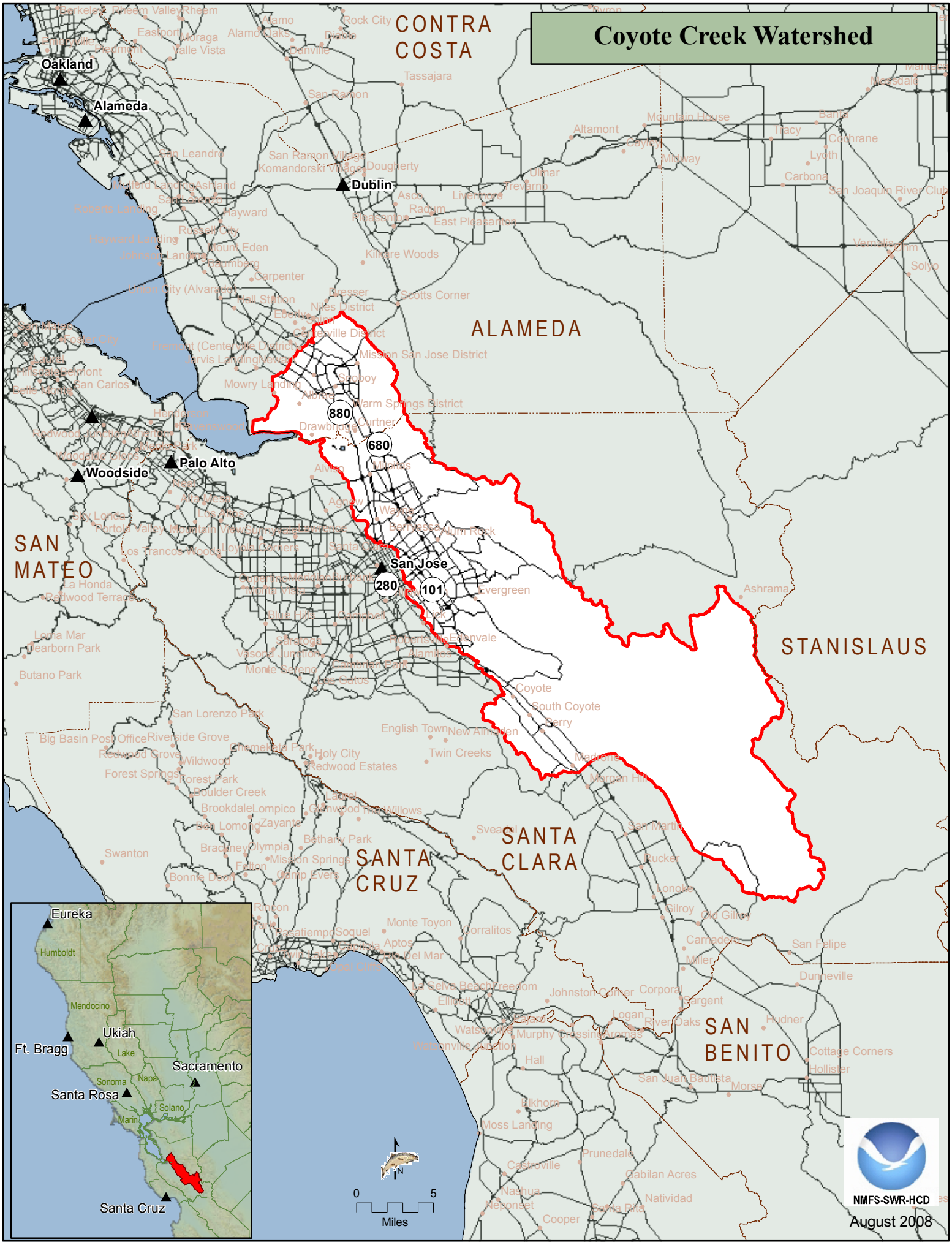
Housing[I]

Total Housing Units within the watershed -- 170,305 Houses

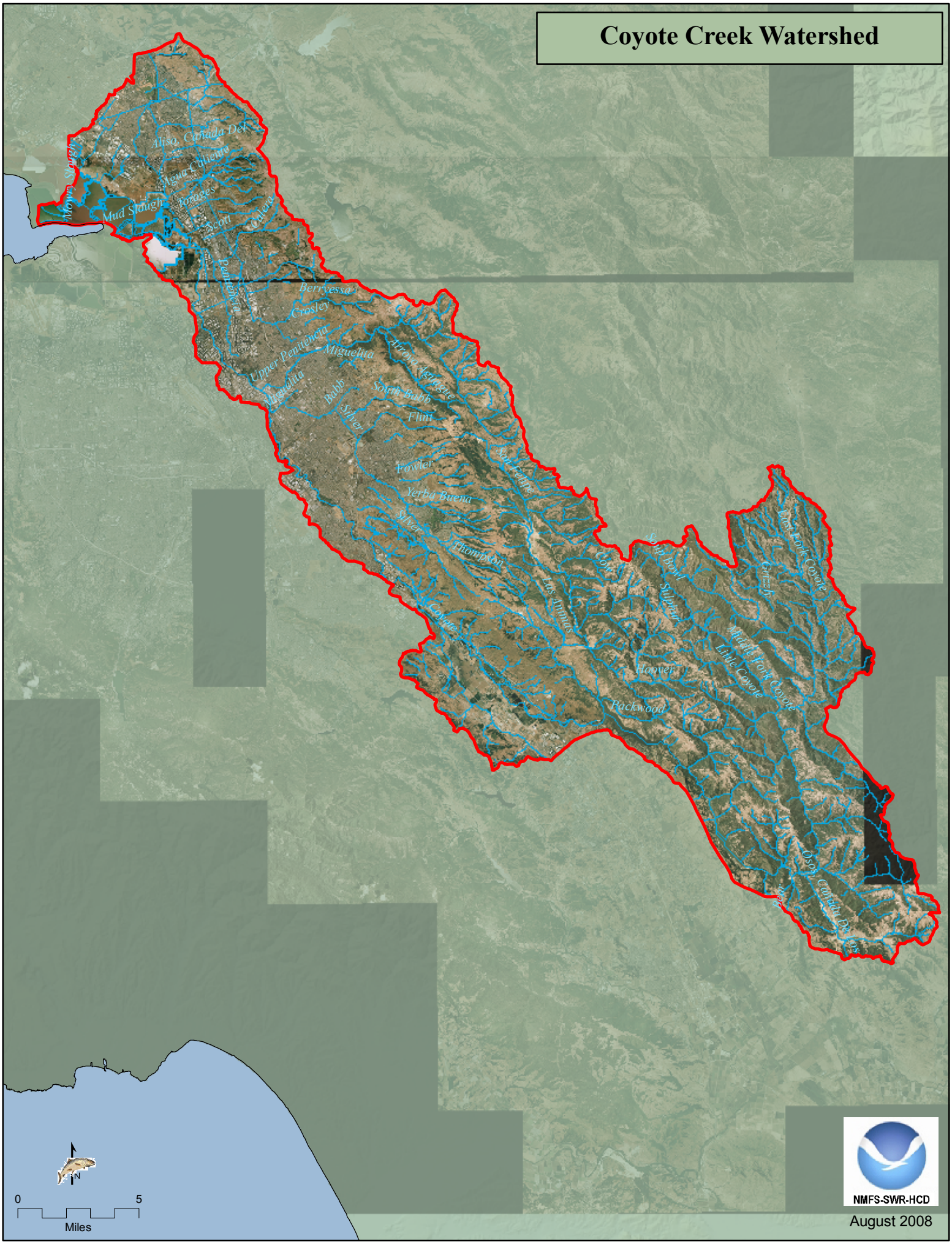
Housing Density	
0 to Less than 1 Housing Unit / 160 Acres	69%
1 Unit / 160 Acres to 1 Unit / 20 Acres	9%
1 Unit / 20 Acres to 1 Unit / 5 Acres	5%
1 Unit / 5 Acres to 2 Units / Acre	7%
2 Units / Acres to Greater than or Equal to 5 Units / Acre	11%

[I]Census 2000 Block Data (Migrated), CA Department of Forestry, 2003

Coyote Creek Watershed



Coyote Creek Watershed



Coyote Creek Watershed
CalWater Planning Watersheds

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Coyote Creek Watershed
Fish Distribution and Critical Habitat

August 2008

Coyote Creek Watershed
Steelhead Current vs. Historical

August 2008

Coyote Creek Watershed
Coho Current vs. Historical
Coho Intrinsic Potential
NMFS SWR Fisheries Science Center, 2005.
Potential historical suitable habitat
1:24,000 Streams
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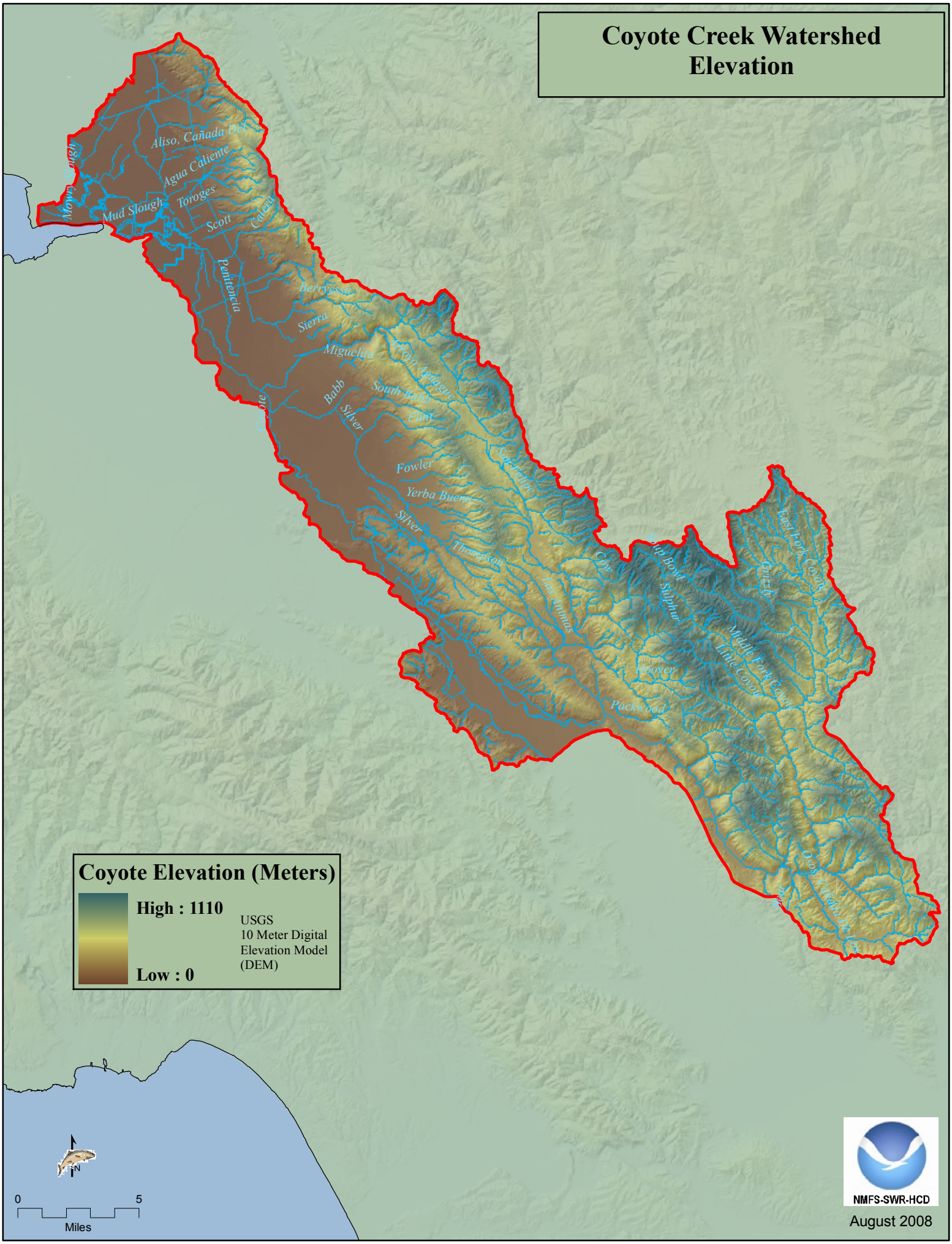
2004. 1:24,000
Coyote Creek Watershed
N
0
5
Miles
NMFS-SWR-HCD
August 2008

Coyote Creek Watershed Elevation



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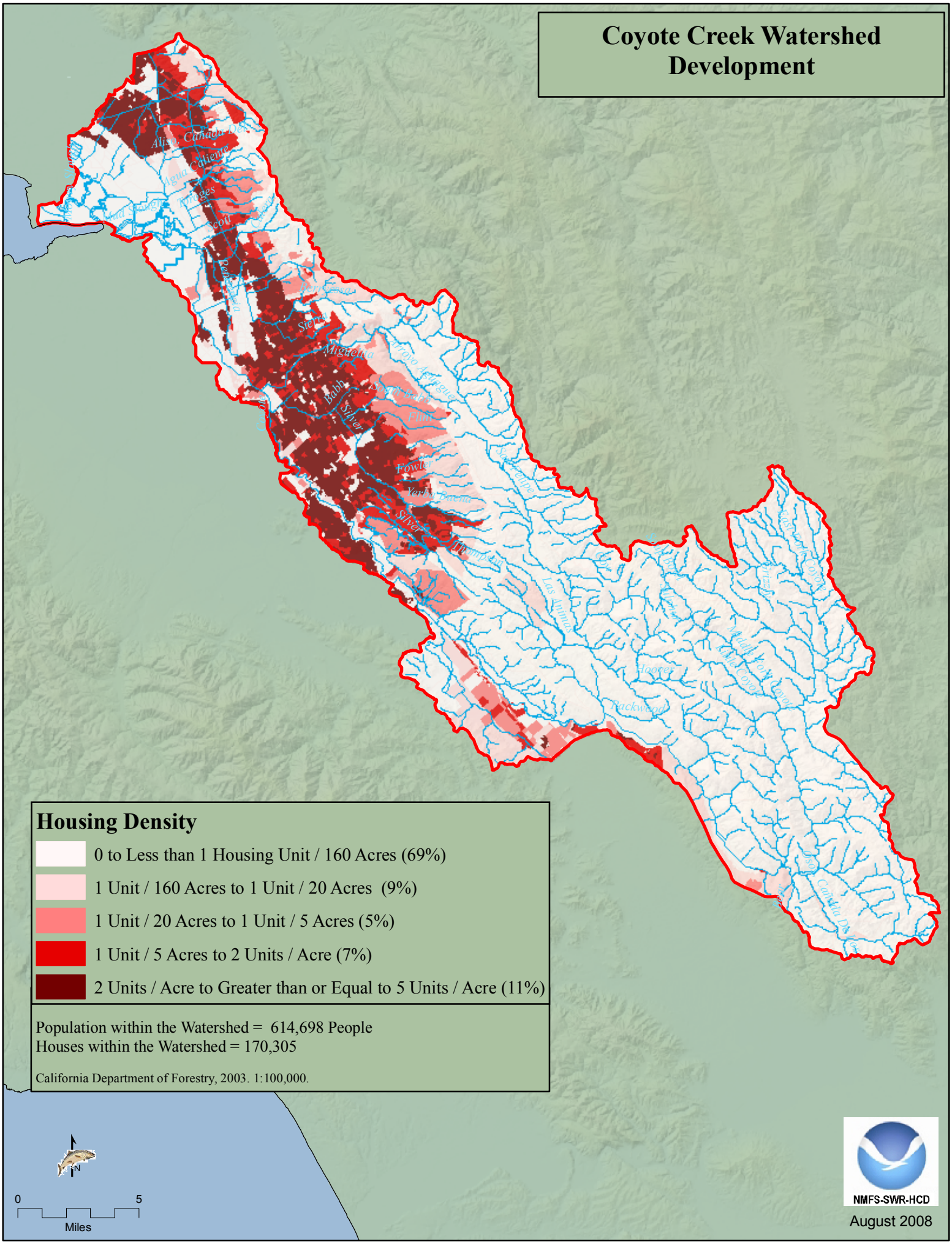
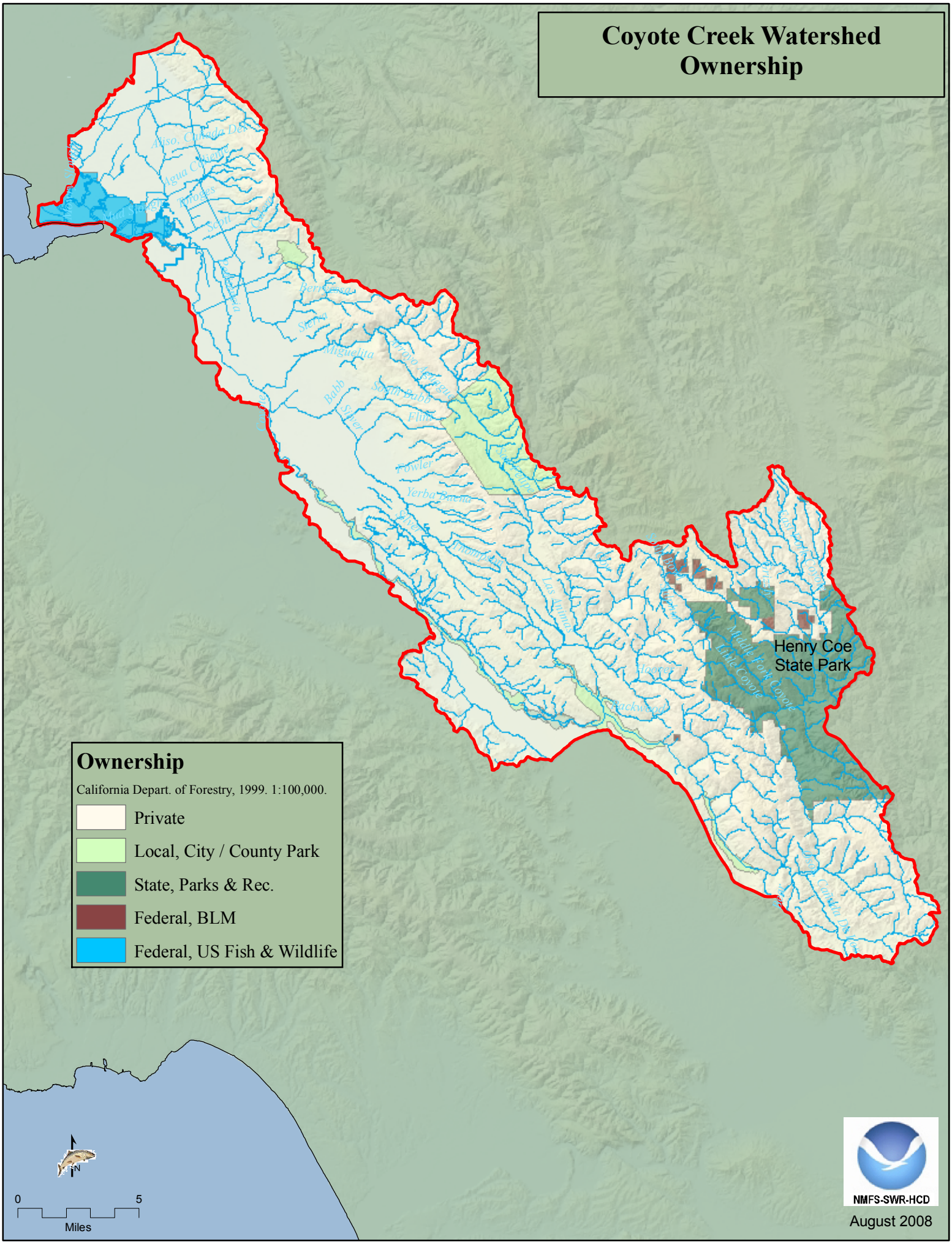
Coyote Creek Watershed Development



Coyote Creek Watershed Ownership



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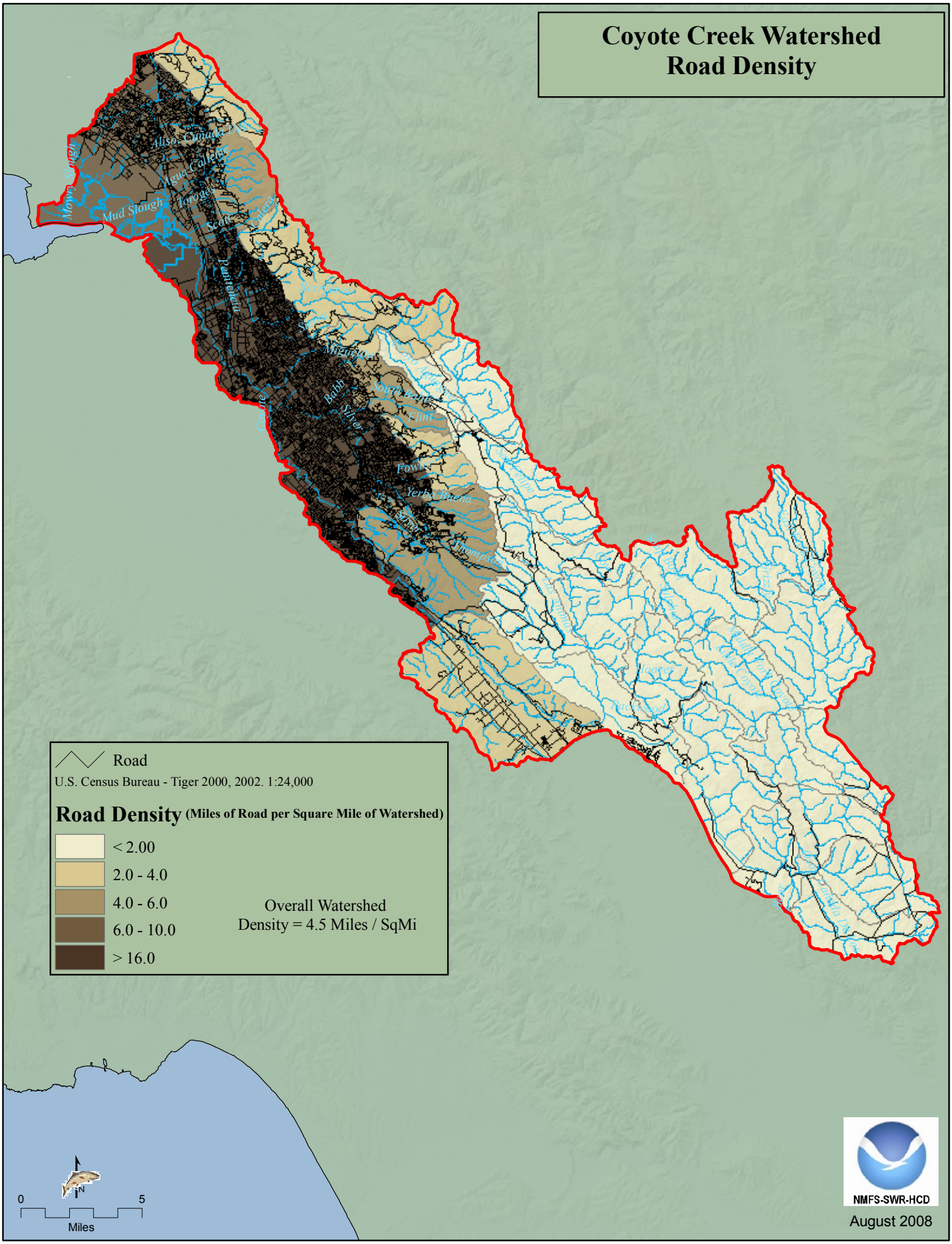
Coyote Creek Watershed Road Density



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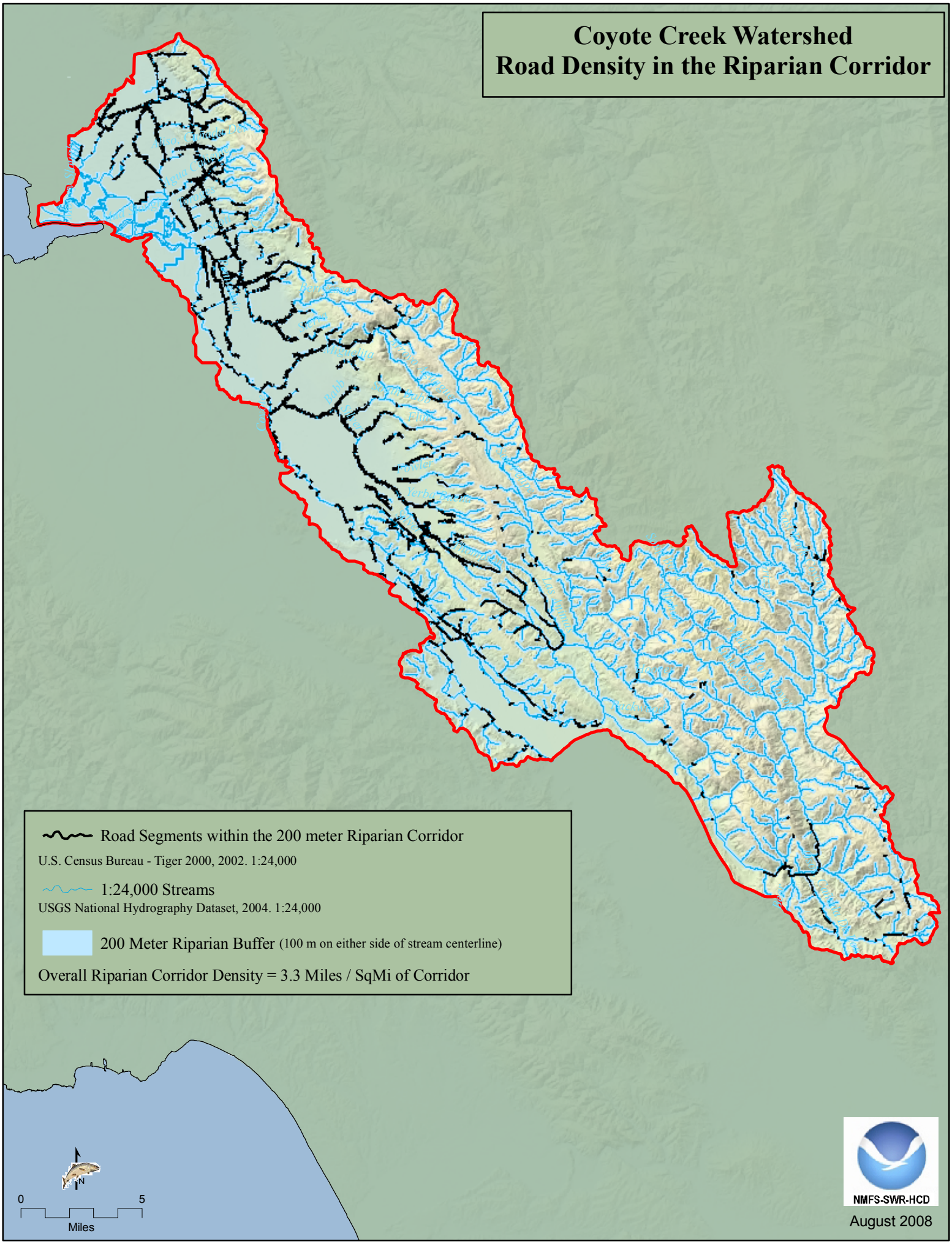
Coyote Creek Watershed
Road Density in the Riparian Corridor



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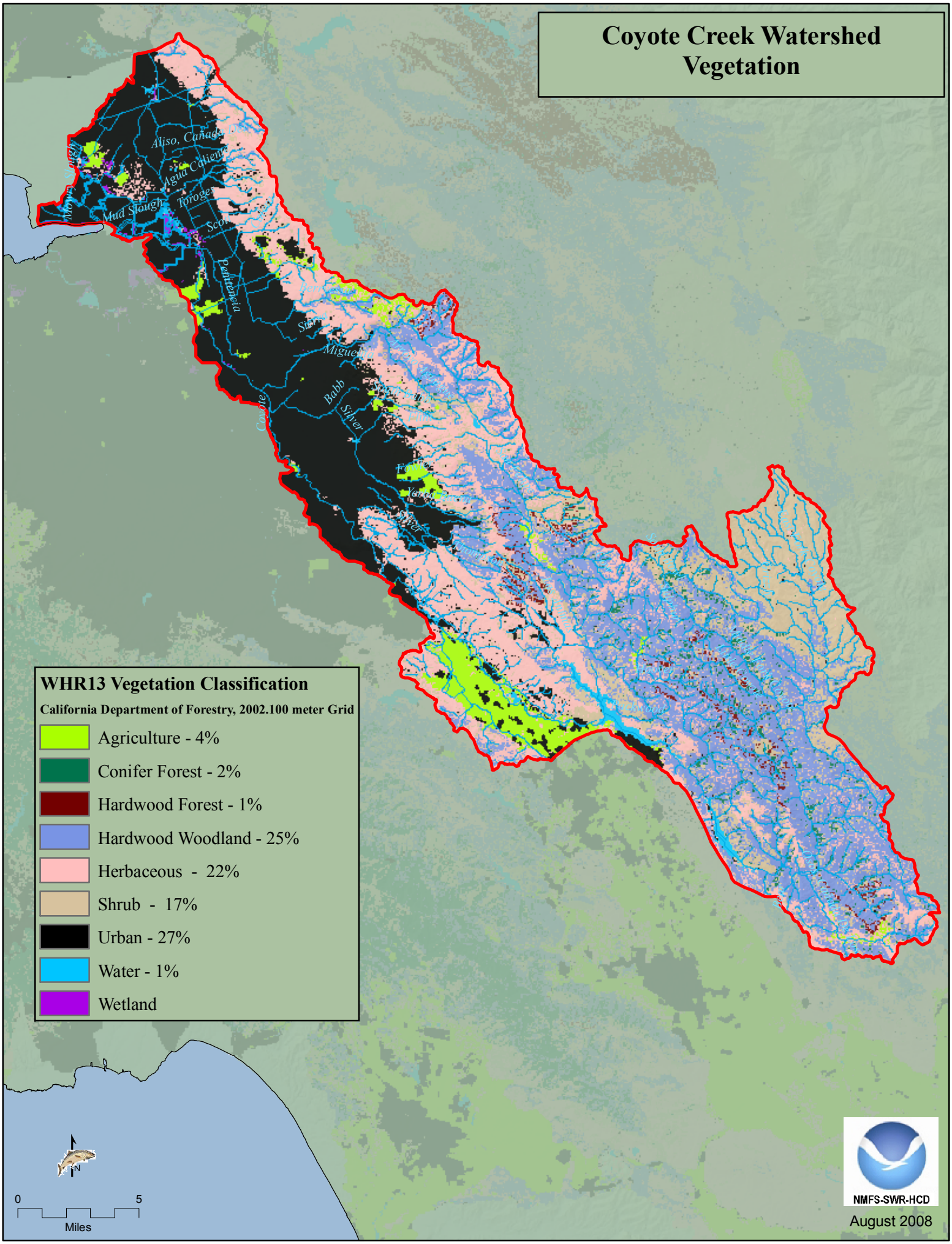
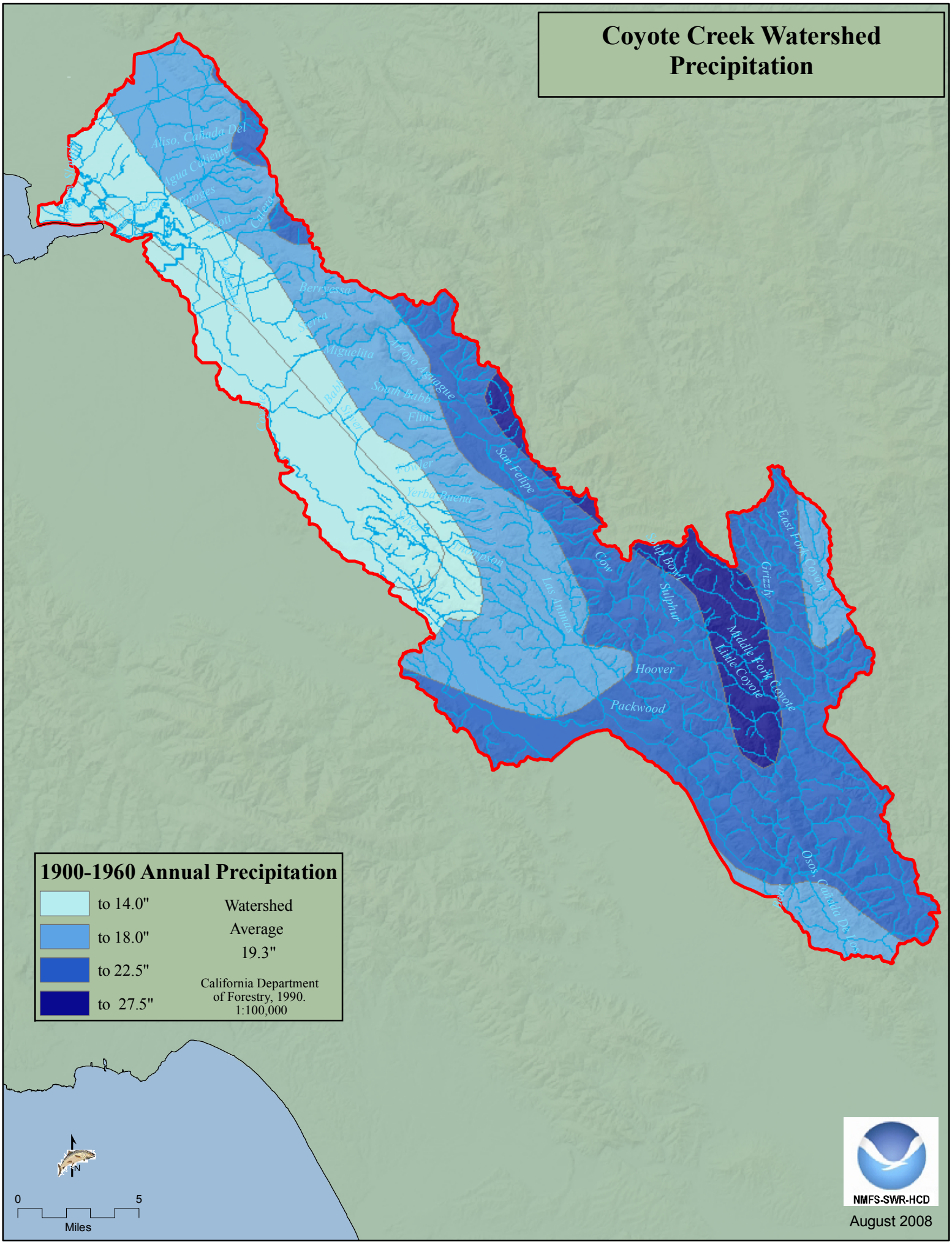
Coyote Creek Watershed Vegetation



Coyote Creek Watershed Precipitation



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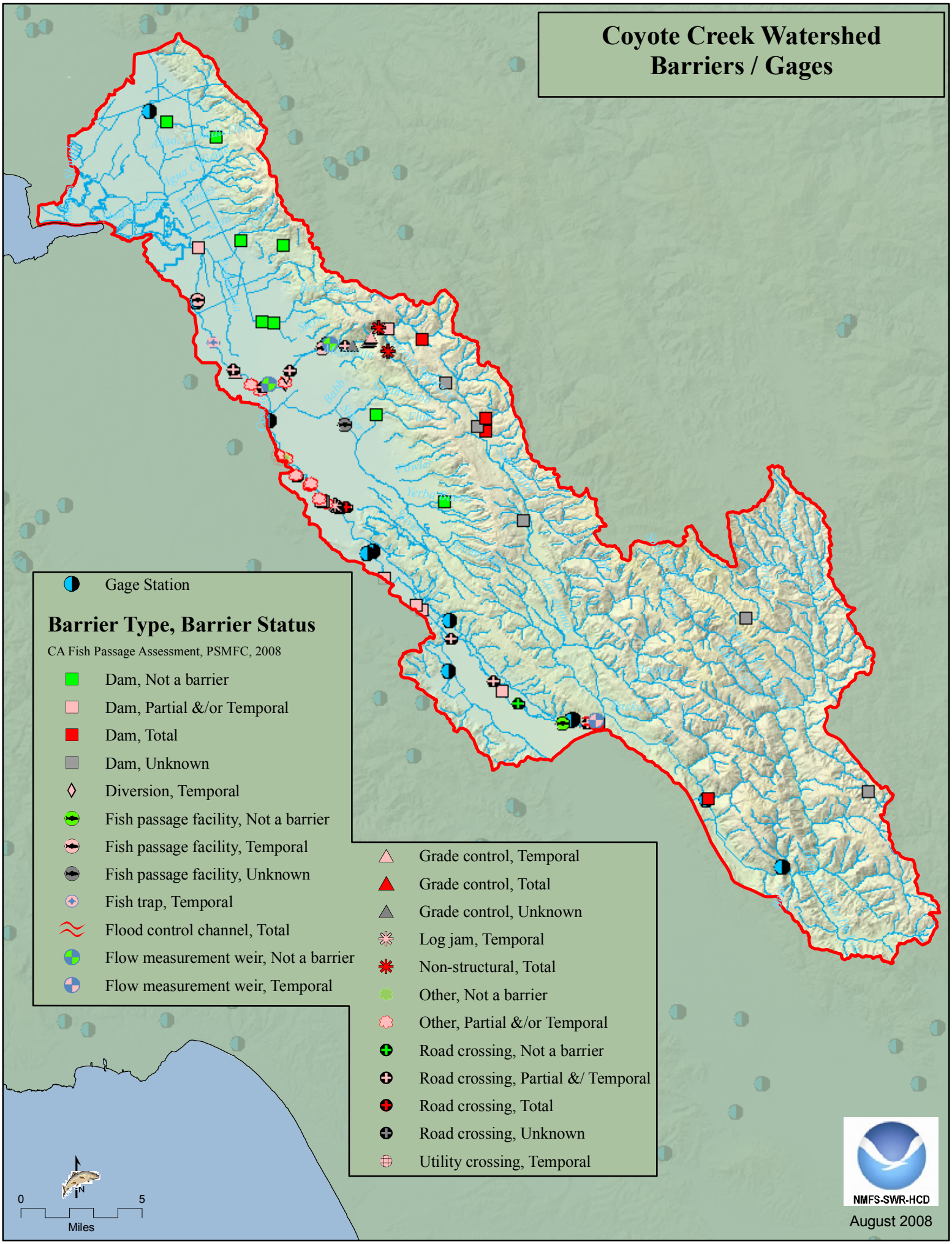
Coyote Creek Watershed Barriers / Gages



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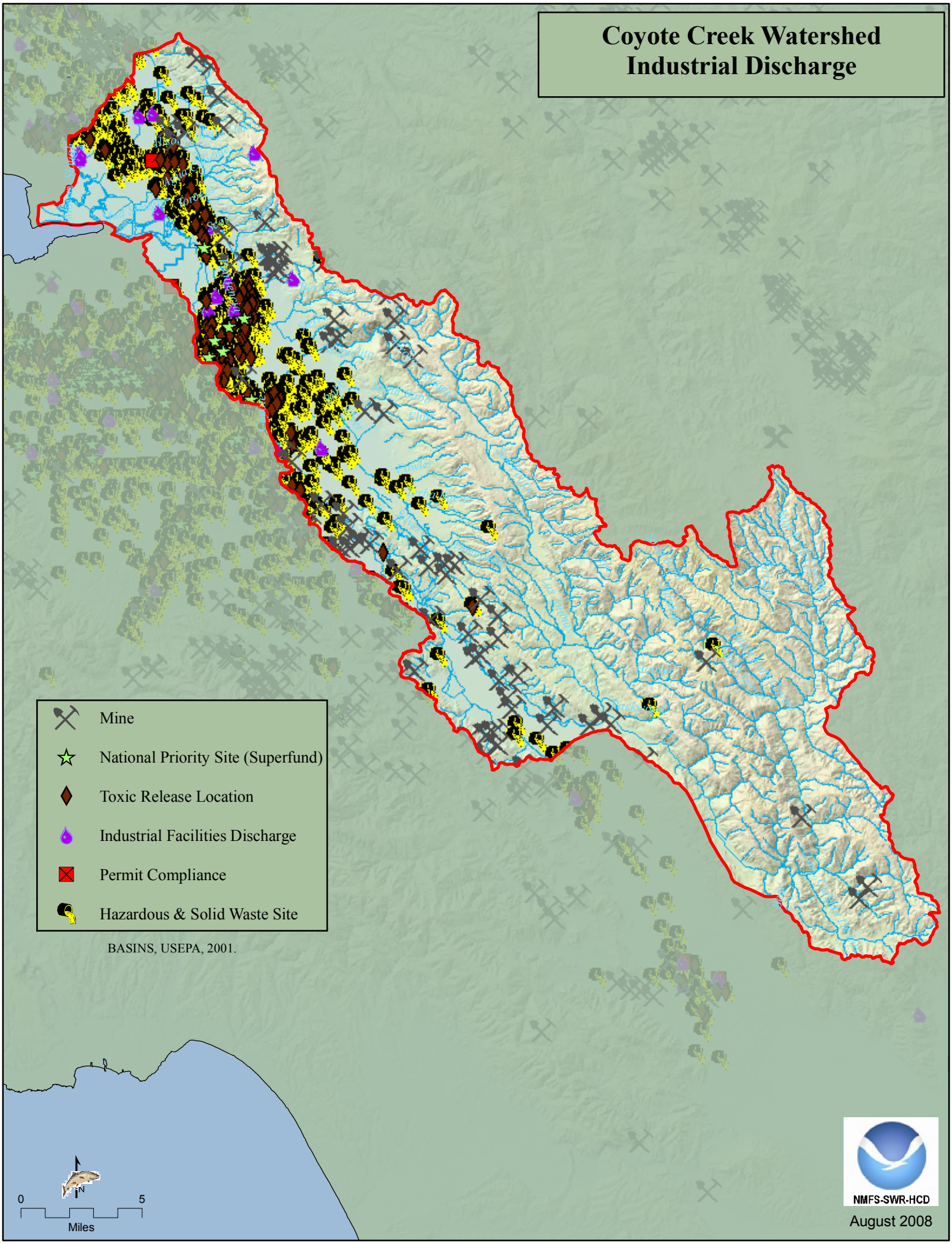
Coyote Creek Watershed Industrial Discharge



Coyote Creek Watershed
Public Consultation Tracking System

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