

Overview of New or Updated Geographic Data Available Through the CalFish Map Viewer Since October 2011

The Date Added or Updated field represents the date the dataset was added to CalFish and is likely not equivalent to the original publication date of the data. For more detailed information (date published, time period represented, author, standards used, etc) please refer to the individual layer's metadata. Data is in descending order based on date added or updated.

Map Viewer Layer Name	Map Category	Date Added or Updated	Data Description
Passage Assessment Database [ds069]	Habitat	3/7/2019	Compiles currently available fish passage information from many different sources, allows past and future barrier assessments to be standardized and stored in one place, and enables the analysis of cumulative effects of passage barriers in the context of overall watershed health.
Stream Inventory Reports by Stream	Habitat	2/25/2019	Provides links to California Department of Fish and Wildlife (CDFW) stream inventory report documents stored in the CDFW document library grouped by individual stream. The objective of stream inventory reports are to document the current habitat conditions and recommend options for the potential enhancement of salmonid habitat.
Chinook Salmon ESU, Southern Oregon and Northern California Coast	Species	7/30/2018	This dataset depicts the general boundaries of the Southern OR & Northern CA Coastal Chinook Salmon evolutionarily significant unit (ESU) (i.e., a distinct population segment (DPS) under the U.S. Endangered Species Act) as well as the historical population structure of the species. These boundaries represent the freshwater spawning areas occupied currently and historically.
Fisheries Restoration Grant Program Boundary [ds734]	Management and Conservation	7/13/2018	The CDFW Fisheries Restoration Grant Program (FRGP) funds grants for habitat restoration work benefiting salmon and steelhead via an annual Proposal Solicitation process. This shapefile describes the area that the FRGP covers, and was created by clipping the CDFW Region boundaries to the coastal watersheds in which the FRGP funds grants.
Invasive Plant Species by Quad - CAL IPC [ds1121]	Habitat	7/13/2018	This USGS 7.5-minute quadrangle GIS dataset of California contains information on the abundance, spread and management status of 204 invasive plants on the Cal-IPC inventory. This distribution information is derived from 1 of 3 sources: expert knowledge interviews conducted around the state with land managers, Calflora data or CCH data. This information is dynamic and your export represents a slice in time. CalWeedMapper (calflora.calweedmapper.org) shows a current picture of this data, including a history.
Fisheries Restoration Grant Program Projects [ds168]	Management and Conservation	5/16/2018	The California Habitat Restoration Project Database (CHRPD) captures, manages, and disseminates data about habitat restoration projects in California benefiting anadromous fish. The CHRPD currently contains data from the California Department of Fish and Game's Fisheries Restoration Grants Program (FRGP), the CALFED Ecosystem Restoration Program (ERP), the National Fish and Wildlife Foundation, the State Coastal Conservancy, the NOAA Restoration Center, the U.S. Fish and Wildlife Service, the California Conservation Corps, and the Cantara Trustee Council.
Fire Perimeters - California	Habitat	5/10/2018	This dataset provides a reasonable view of the spatial distribution of past large fires. Due to missing perimeters (see completeness report) this layer should not be used for statistical analysis and reporting.

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Passage Assessment Database [ds069]	Habitat	3/30/2018	Compiles currently available fish passage information from many different sources, allows past and future barrier assessments to be standardized and stored in one place, and enables the analysis of cumulative effects of passage barriers in the context of overall watershed health.
Pacific Lamprey Historical Range and Current Distribution - USFWS [ds2673]	Species	3/21/2018	This dataset depicts the estimated historical range and current distribution (2016) of Pacific Lamprey (<i>Entosphenus tridentatus</i>) in California. It is to be used to identify areas where Pacific Lampreys should be considered in riverine management practices.
CDFW Owned and Operated Lands and Conservation Easements	Management and Conservation	3/21/2018	This dataset is intended to provide information on the location of lands owned and/or administered by the California Department of Fish and Game and for general conservation planning within the state.
Passage Assessment Database [ds069]	Habitat	11/13/2017	Compiles currently available fish passage information from many different sources, allows past and future barrier assessments to be standardized and stored in one place, and enables the analysis of cumulative effects of passage barriers in the context of overall watershed health.
Stream Inventory Reports by Stream	Habitat	6/1/2017	Provides links to California Department of Fish and Wildlife (CDFW) stream inventory report documents stored in the CDFW document library grouped by individual stream. The objective of stream inventory reports are to document the current habitat conditions and recommend options for the potential enhancement of salmonid habitat.
Passage Assessment Database [ds069]	Habitat	4/20/2017	Compiles currently available fish passage information from many different sources, allows past and future barrier assessments to be standardized and stored in one place, and enables the analysis of cumulative effects of passage barriers in the context of overall watershed health.
California Marine Protected Areas [ds582]	Management and Conservation	1/12/2017	These data include all of California's marine protected areas (MPAs) as of March, 1 2016. This dataset reflects the Department of Fish and Wildlife's best representation of marine protected areas based on current California Code Regulations, Title 14, Section 632: Natural Resources, Division 1: FGC - DFG.
Passage Assessment Database [ds069]	Habitat	11/8/2016	Compiles currently available fish passage information from many different sources, allows past and future barrier assessments to be standardized and stored in one place, and enables the analysis of cumulative effects of passage barriers in the context of overall watershed health.
Invasive Plant Species by Quad - CAL IPC [ds1121]	Habitat	11/8/2016	This USGS 7.5-minute quadrangle GIS dataset of California contains information on the abundance, spread and management status of 204 invasive plants on the Cal-IPC inventory. This distribution information is derived from 1 of 3 sources: expert knowledge interviews conducted around the state with land managers, Calflora data or CCH data. This information is dynamic and your export represents a slice in time. CalWeedMapper (calflora.calweedmapper.org) shows a current picture of this data, including a history.

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National Wetlands Inventory Polygons, California subset	Habitat	11/2/2016	This dataset represents the extent, approximate location and type of wetlands and deepwater habitats in California. These data delineate the areal extent of wetlands and surface waters as defined by Cowardin et al. (1979).
Mines and Mineral Processing Plants - USGS	Habitat	10/4/2016	Displays the locations of mines and mineral processing plants in California. Mining is described as a threat source to steelhead recovery in the Southern California Steelhead Recovery Plan.
Vegetation - Yosemite	Habitat	9/29/2016	This data shows the vegetation of Yosemite National Park and beyond as produced from color infrared analog photographs flow by Photo Science through a nationwide contract.
Fisheries Restoration Grant Program Boundary [ds734]	Management and Conservation	8/30/2016	The CDFW Fisheries Restoration Grant Program (FRGP) funds grants for habitat restoration work benefiting salmon and steelhead via an annual Proposal Solicitation process. This shapefile describes the area that the FRGP covers, and was created by clipping the CDFW Region boundaries to the coastal watersheds in which the FRGP funds grants.
Fire Perimeters - California	Habitat	8/23/2016	This dataset provides a reasonable view of the spatial distribution of past large fires. Due to missing perimeters (see completeness report) this layer should not be used for statistical analysis and reporting.
Wildlife Conservation Board (wcb) Approved Projects	Management and Conservation	8/11/2016	This dataset provides spatial links to the Wildlife Conservation Boards main project database which is a comprehensive set of Wildlife Conservation Board projects from board inception in 1949 to present (publication date).
Coho Distribution	Species	7/14/2016	The Environmental Resource Information Service, CDFG Northern Region, developed a method for deriving salmonid distribution from existing observation data. Distribution and Range datasets are available for winter and summer steelhead and coho salmon.
Fisheries Restoration Grant Program Projects [ds168]	Management and Conservation	5/24/2016	The California Habitat Restoration Project Database (CHRPD) captures, manages, and disseminates data about habitat restoration projects in California benefiting anadromous fish. The CHRPD currently contains data from the California Department of Fish and Game's Fisheries Restoration Grants Program (FRGP), the CALFED Ecosystem Restoration Program (ERP), the National Fish and Wildlife Foundation, the State Coastal Conservancy, the NOAA Restoration Center, the U.S. Fish and Wildlife Service, the California Conservation Corps, and the Cantara Trustee Council.
Fire Perimeters - California	Habitat	9/2/2015	This dataset provides a reasonable view of the spatial distribution of past large fires. Due to missing perimeters (see completeness report) this layer should not be used for statistical analysis and reporting.
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Invasive Plant Species by Quad - CAL IPC [ds1121]	Habitat	6/29/2015	This USGS 7.5-minute quadrangle GIS dataset of California contains information on the abundance, spread and management status of 204 invasive plants on the Cal-IPC inventory. This distribution information is derived from 1 of 3 sources: expert knowledge interviews conducted around the state with land managers, Calflora data or CCH data. This information is dynamic and your export represents a slice in time. CalWeedMapper (calflora.calweedmapper.org) shows a current picture of this data, including a history.
Fisheries Restoration Grant Program Projects [ds168]	Management and Conservation	6/25/2015	The California Habitat Restoration Project Database (CHRPD) captures, manages, and disseminates data about habitat restoration projects in California benefiting anadromous fish. The CHRPD currently contains data from the California Department of Fish and Game's Fisheries Restoration Grants Program (FRGP), the CALFED Ecosystem Restoration Program (ERP), the National Fish and Wildlife Foundation, the State Coastal Conservancy, the NOAA Restoration Center, the U.S. Fish and Wildlife Service, the California Conservation Corps, and the Cantara Trustee Council.
Passage Assessment Database [ds069]	Habitat	6/25/2015	Compiles currently available fish passage information from many different sources, allows past and future barrier assessments to be standardized and stored in one place, and enables the analysis of cumulative effects of passage barriers in the context of overall watershed health.
Stream Habitat Reach Summary - North Coast [ds63]	Habitat	6/24/2015	This dataset contains in-stream habitat unit level survey data summarized at the reach level. The data was collected by CDFW from 1989 to 2014 and extending through most of Humboldt and parts of Mendocino counties.
Vegetation - Western Riverside Co. [ds170]	Habitat	6/9/2015	The California Department of Fish and Game contracted with the California Native Plant Society and Aerial Information Systems to produce a vegetation classification map of Western Riverside County.
Vegetation - Western Riverside County Update - 2012 [ds1196]	Habitat	6/9/2015	The California Department of Fish and Game contracted with the California Native Plant Society and Aerial Information Systems to produce a vegetation classification map of Western Riverside County.
Stream Inventory Reports by Stream	Habitat	6/4/2015	Provides links to California Department of Fish and Wildlife (CDFW) stream inventory report documents stored in the CDFW document library grouped by individual stream. The objective of stream inventory reports are to document the current habitat conditions and recommend options for the potential enhancement of salmonid habitat.
Chinook Abundance - Linear Features [ds181]	Species	3/25/2015	This layer is a product of the CalFish Adult Salmonid Abundance Database. Data in this shapefile are collected from stream sections or reaches where Chinook population monitoring occurs and that are best represented by linear features. Some escapement monitoring locations are logically represented by point features, such as dams and hatcheries. See the companion point feature shapefile [ds180] for information collected from point locations. Contact: Shannon, Connie. Pacific States Marine Fisheries Commission.

Map Viewer Layer Name	Map Category	Date Added or Updated	Data Description
Coho Abundance - Linear Features [ds183]	Species	3/25/2015	The CalFish Abundance Database contains a comprehensive collection of anadromous fisheries abundance information. Beginning in 1998, the Pacific States Marine Fisheries Commission, the California Department of Fish and Game, and the National Marine Fisheries Service, began a cooperative project aimed at collecting, archiving, and entering into standardized electronic formats, the wealth of information generated by fisheries resource management agencies and tribes throughout California. Contact: Haney, Eric. CDFW
Steelhead Abundance - Linear Features [ds185]	Species	3/25/2015	The CalFish Abundance Database contains a comprehensive collection of anadromous fisheries abundance information. Beginning in 1998, the Pacific States Marine Fisheries Commission, the California Department of Fish and Game, and the National Marine Fisheries Service, began a cooperative project aimed at collecting, archiving, and entering into standardized electronic formats, the wealth of information generated by fisheries resource management agencies and tribes throughout California. Contact: Haney, Eric. CDFW
Vegetation - Napa County and Blue Ridge Berryessa [ds201]	Habitat	3/17/2015	The Department of Fish and Game, Information Center for the Environment, and Aerial Information Systems developed a classification of vegetation types for Napa County.
Chinook Abundance - Point Features [ds180]	Species	10/8/2014	This dataset is a product of the CalFish Adult Salmonid Abundance Database. Data in this shapefile are collected from point features, such as dams and hatcheries. Some escapement monitoring locations, such as spawning stock surveys, are logically represented by linear features. See the companion linear feature shapefile [ds181] for information collected from stream reaches. Contact: Shannon, Connie. Pacific States Marine Fisheries Commission.
Chinook Abundance - Linear Features [ds181]	Species	10/8/2014	This layer is a product of the CalFish Adult Salmonid Abundance Database. Data in this shapefile are collected from stream sections or reaches where Chinook population monitoring occurs and that are best represented by linear features. Some escapement monitoring locations are logically represented by point features, such as dams and hatcheries. See the companion point feature shapefile [ds180] for information collected from point locations. Contact: Shannon, Connie. Pacific States Marine Fisheries Commission.
Coho Abundance - Point Features [ds182]	Species	10/8/2014	The CalFish Abundance Database contains a comprehensive collection of anadromous fisheries abundance information. Beginning in 1998, the Pacific States Marine Fisheries Commission, the California Department of Fish and Game, and the National Marine Fisheries Service, began a cooperative project aimed at collecting, archiving, and entering into standardized electronic formats, the wealth of information generated by fisheries resource management agencies and tribes throughout California. Contact: Haney, Eric. CDFW

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Coho Abundance - Linear Features [ds183]	Species	10/8/2014	The CalFish Abundance Database contains a comprehensive collection of anadromous fisheries abundance information. Beginning in 1998, the Pacific States Marine Fisheries Commission, the California Department of Fish and Game, and the National Marine Fisheries Service, began a cooperative project aimed at collecting, archiving, and entering into standardized electronic formats, the wealth of information generated by fisheries resource management agencies and tribes throughout California. Contact: Haney, Eric. CDFW
Steelhead Abundance - Point Features [ds184]	Species	10/8/2014	The CalFish Abundance Database contains a comprehensive collection of anadromous fisheries abundance information. Beginning in 1998, the Pacific States Marine Fisheries Commission, the California Department of Fish and Game, and the National Marine Fisheries Service, began a cooperative project aimed at collecting, archiving, and entering into standardized electronic formats, the wealth of information generated by fisheries resource management agencies and tribes throughout California. Contact: Haney, Eric. CDFW
Steelhead Abundance - Linear Features [ds185]	Species	10/8/2014	The CalFish Abundance Database contains a comprehensive collection of anadromous fisheries abundance information. Beginning in 1998, the Pacific States Marine Fisheries Commission, the California Department of Fish and Game, and the National Marine Fisheries Service, began a cooperative project aimed at collecting, archiving, and entering into standardized electronic formats, the wealth of information generated by fisheries resource management agencies and tribes throughout California. Contact: Haney, Eric. CDFW
Vegetation - Point Reyes [ds169]	Habitat	9/25/2014	The National Park Service, in conjunction with the Biological Resources Division of the USGS has implemented a program to develop a uniform hierarchical vegetation mapping methodology and classification at a national level and apply it to National parks.
Vegetation - Suisun Marsh 2012 [ds1029]	Habitat	9/15/2014	This vegetation mapping project of Suisun Marsh blends ground-based classification, aerial photo interpretation, and GIS editing and processing. The method is based on the development of a quantitative vegetation classification, which is used to describe the vegetation map units of the marsh in 2012. Remapped for the purpose of vegetation delineations, based on photo interpretation and formal vegetation classification plus change detection. Contact: Boul, Rachelle. CDFW
Vegetation - Suisun Marsh 2009 [ds711]	Habitat	9/15/2014	This vegetation mapping project of Suisun Marsh blends ground-based classification, aerial photo interpretation, and GIS editing and processing. The method is based on the development of a quantitative vegetation classification, which is used to describe the vegetation map units of the marsh in 2009.
Vegetation - Suisun Marsh 2006 [ds500]	Habitat	8/25/2014	This vegetation mapping project of Suisun Marsh blends ground-based classification, aerial photo interpretation, and GIS editing and processing. The method is based on the development of a quantitative vegetation classification, which is used to describe the vegetation map units of the marsh in 2006.

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Vegetation - Suisun Marsh 1999 [ds160]	Habitat	8/22/2014	This vegetation mapping project of Suisun Marsh blends ground-based classification, aerial photo interpretation, and GIS editing and processing. The method is based on the development of a quantitative vegetation classification, which is used to describe the vegetation map units of the marsh in 1999.
Vegetation - Suisun Marsh 2000 [ds161]	Habitat	8/22/2014	This vegetation mapping project of Suisun Marsh blends ground-based classification, aerial photo interpretation, and GIS editing and processing. The method is based on the development of a quantitative vegetation classification, which is used to describe the vegetation map units of the marsh in 2000.
Vegetation - Suisun Marsh 2003 [ds162]	Habitat	8/22/2014	This vegetation mapping project of Suisun Marsh blends ground-based classification, aerial photo interpretation, and GIS editing and processing. The method is based on the development of a quantitative vegetation classification, which is used to describe the vegetation map units of the marsh in 2003.
Chinook Central Valley Spring Run Distribution, NOAA	Species	7/25/2014	This layer was created to aid SWR biologists in establishing Critical Habitat for Chinook in the Central Valley Spring-run ESU. The layer represents an approximation of Chinook occupancy and habitat quality in the region and is best suited for mapping those properties in the aforementioned region. The data was compiled by the National Marine Fisheries Service (NOAA Fisheries) Southwest Regional Office (SWR).
Chinook Coastal Distribution, NOAA	Species	7/25/2014	This layer was created to aid SWR biologists in establishing Critical Habitat for Chinook in the California Coastal ESU. The layer represents an approximation of Chinook occupancy and habitat quality in the region and is best suited for mapping those properties in the aforementioned region. The data was compiled by the National Marine Fisheries Service (NOAA Fisheries) Southwest Regional Office (SWR).
Stream Inventory Reports by Watershed	Habitat	6/27/2014	Provides links to California Department of Fish and Wildlife (CDFW) stream inventory report documents stored in the CDFW document library grouped by individual Calwater planning watershed. The objective of stream inventory reports are to document the current habitat conditions and recommend options for the potential enhancement of salmonid habitat.
Stream Inventory Reports by Stream	Habitat	6/27/2014	Provides links to California Department of Fish and Wildlife (CDFW) stream inventory report documents stored in the CDFW document library grouped by individual stream. The objective of stream inventory reports are to document the current habitat conditions and recommend options for the potential enhancement of salmonid habitat.
Vegetation - Pine Creek WA and Fitzhugh Creek WA	Habitat	6/13/2014	This data prepared by the California Department of Fish and Game Vegetation Classification and Mapping Program (VegCAMP) maps and classifies the vegetation of the Pine Creek and Fitzhugh Creek Wildlife Area.
Passage Assessment Database	Habitat	5/21/2014	Compiles currently available fish passage information from many different sources, allows past and future barrier assessments to be standardized and stored in one place, and enables the analysis of cumulative effects of passage barriers in the context of overall watershed health.
Wildlife Conservation Board (wcb) Approved Projects	Management and Conservation	5/1/2014	This dataset provides spatial links to the Wildlife Conservation Boards main project database which is a comprehensive set of Wildlife Conservation Board projects from board inception in 1949 to present (publication date).

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Vegetation - Gabilan Ranch, 2006 [ds614]	Habitat	4/28/2014	Aerial Information Systems, Inc. was contracted by The Nature Conservancy to create a vegetation map covering approximately 11000 acres known as the Gabilan Ranch south of the town of San Juan Bautista. The goal of the project is to create a baseline vegetation map depicting existing conditions within the study area.
Fisheries Restoration Grant Program Projects	Species	4/23/2014	The California Habitat Restoration Project Database (CHRPD) captures, manages, and disseminates data about habitat restoration projects in California benefiting anadromous fish. The CHRPD currently contains data from the California Department of Fish and Game's Fisheries Restoration Grants Program (FRGP), the CALFED Ecosystem Restoration Program (ERP), the National Fish and Wildlife Foundation, the State Coastal Conservancy, the NOAA Restoration Center, the U.S. Fish and Wildlife Service, the California Conservation Corps, and the Cantara Trustee Council.
California Streams	Base Layers	2/1/2014	The purpose of California streams is to provide an alternative to the native NHD measuring system of percentage of distance along reach length with one that enhances the ability to examine distance relationships along entire stream courses. Candidate National Hydrography Dataset (NHD) high resolution NHDFlowline features for California have been dissolved on common GNIS_ID or StreamLevel attributes and routed from mouth to headwater in meters. The results are measured polyline features representing entire streams. Routes on these streams are measured upstream, i.e., the measure at the mouth of a stream is zero and at the upstream end the measure matches the total length of the stream feature. Using GIS tools, a user of this dataset can retrieve the distance in meters upstream from the mouth at any point along a stream feature.
CDFW Owned and Operated Lands	Management and Conservation	11/25/2013	This dataset is intended to provide information on the location of lands owned and/or administered by the California Department of Fish and Game and for general conservation planning within the state.
Passage Assessment Database [ds069]	Habitat	9/30/2013	Compiles currently available fish passage information from many different sources, allows past and future barrier assessments to be standardized and stored in one place, and enables the analysis of cumulative effects of passage barriers in the context of overall watershed health.
California Marine Protected Areas	Management and Conservation	5/1/2013	These data include all of California's marine protected areas (MPAs) as of December 19, 2012. This dataset reflects the Department of Fish and Wildlife's best representation of marine protected areas based on current California Code Regulations, Title 14, Section 632: Natural Resources, Division 1: FGC - DFG.
CDFW Fish Passage Priorities 2011	Habitat	5/1/2013	Displays the 2011 California Department of Fish and Wildlife's list of anadromous fish passage statewide anadromous priority barriers for removal. This statewide list of priority barriers is based on significance to fish migration and is independent of who manages or is responsible for the stream crossing.
CDFW Fish Passage Priorities 2012	Habitat	5/1/2013	Displays the 2012 California Department of Fish and Wildlife's list of anadromous fish passage statewide anadromous priority barriers for removal. This statewide list of priority barriers is based on significance to fish migration and is independent of who manages or is responsible for the stream crossing.

Map Viewer Layer Name	Map Category	Date Added or Updated	Data Description
Chinook Salmon ESU, California Coast	Species	5/1/2013	This dataset depicts the general boundaries of the California Coastal Chinook Salmon evolutionarily significant unit (ESU) (i.e., a distinct population segment (DPS) under the U.S. Endangered Species Act) as well as the historical population structure of the species. These boundaries represent the freshwater spawning areas occupied currently and historically.
Chinook Salmon ESU, Southern Oregon and Northern California Coast	Species	5/1/2013	This dataset depicts the general boundaries of the Southern OR & Northern CA Coastal Chinook Salmon evolutionarily significant unit (ESU) (i.e., a distinct population segment (DPS) under the U.S. Endangered Species Act) as well as the historical population structure of the species. These boundaries represent the freshwater spawning areas occupied currently and historically.
Chinook Salmon ESU, Upper Klamath and Trinity Rivers	Species	5/1/2013	This dataset depicts the general boundaries of the Upper Klamath & Trinity Rivers Chinook Salmon evolutionarily significant unit (ESU) (i.e., a distinct population segment (DPS) under the U.S. Endangered Species Act) as well as the historical population structure of the species. These boundaries represent the freshwater spawning areas occupied currently and historically.
Chinook Salmon Fall and Late Fall-run ESU, Central Valley	Species	5/1/2013	This dataset depicts the general boundaries of the Central Valley Fall and Late Fall-run Chinook Salmon evolutionarily significant unit (ESU) (i.e., a distinct population segment (DPS) under the U.S. Endangered Species Act) as well as the historical population structure of the species. These boundaries represent the freshwater spawning areas occupied currently and historically.
Chinook Salmon Spring-run ESU, Central Valley	Species	5/1/2013	This dataset depicts the general boundaries of the Central Valley Spring-run Chinook Salmon evolutionarily significant unit (ESU) (i.e., a distinct population segment (DPS) under the U.S. Endangered Species Act) as well as the historical population structure of the species. These boundaries represent the freshwater spawning areas occupied currently and historically.
Chinook Salmon Winter-run, Sacramento Rivers	Species	5/1/2013	This dataset depicts the general boundaries of the Sacramento River Winter-run Chinook Salmon evolutionarily significant unit (ESU) (i.e., a distinct population segment (DPS) under the U.S. Endangered Species Act) as well as the historical population structure of the species. These boundaries represent the freshwater spawning areas occupied currently and historically.
Coho Salmon ESU, Central California Coast	Species	5/1/2013	This dataset depicts the general boundaries of the Central California Coast Coho Salmon evolutionarily significant unit (ESU) (i.e., a distinct population segment (DPS) under the U.S. Endangered Species Act) as well as the historical population structure of the species. These boundaries represent the freshwater spawning areas occupied currently and historically.
Coho Salmon ESU, Southern Oregon and Northern California Coast	Species	5/1/2013	This dataset depicts the general boundaries of the Southern OR/Northern CA Coasts Coho Salmon evolutionarily significant unit (ESU) (i.e., a distinct population segment (DPS) under the U.S. Endangered Species Act) as well as the historical population structure of the species. These boundaries represent the freshwater spawning areas occupied currently and historically.

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Steelhead DPS, California Central Valley	Species	5/1/2013	This dataset depicts the general boundaries of the California Central Valley Steelhead DPS distinct population segment (DPS) under the U.S. Endangered Species Act) as well as the historical population structure of the species. These boundaries represent the freshwater spawning areas occupied currently and historically.
Steelhead DPS, Central California Coast	Species	5/1/2013	This dataset depicts the general boundaries of the Central California Coast Steelhead DPS distinct population segment (DPS) under the U.S. Endangered Species Act) as well as the historical population structure of the species. These boundaries represent the freshwater spawning areas occupied currently and historically.
Steelhead DPS, Klamath Mountains Province	Species	5/1/2013	This dataset depicts the general boundaries of the Klamath Mountains Province Steelhead distinct population segment (DPS) under the U.S. Endangered Species Act) as well as the historical population structure of the species. These boundaries represent the freshwater spawning areas occupied currently and historically.
Steelhead DPS, Northern California	Species	5/1/2013	This dataset depicts the general boundaries of the Northern California Steelhead distinct population segment (DPS) under the U.S. Endangered Species Act) as well as the historical population structure of the species. These boundaries represent the freshwater spawning areas occupied currently and historically.
Steelhead DPS, South-Central California Coast	Species	5/1/2013	This dataset depicts the general boundaries of the South-Central California Coast Steelhead distinct population segment (DPS) under the U.S. Endangered Species Act) as well as the historical population structure of the species. These boundaries represent the freshwater spawning areas occupied currently and historically.
Steelhead DPS, Southern California	Species	5/1/2013	This dataset depicts the general boundaries of the Southern California Steelhead distinct population segment (DPS) under the U.S. Endangered Species Act) as well as the historical population structure of the species. These boundaries represent the freshwater spawning areas occupied currently and historically.
Passage Assessment Database	Habitat	2/8/2013	Compiles currently available fish passage information from many different sources, allows past and future barrier assessments to be standardized and stored in one place, and enables the analysis of cumulative effects of passage barriers in the context of overall watershed health.
Steelhead BPGs, Southern California Coast	Species	12/14/2012	Biogeographic Populations Groups (BPG) are divisions within a Distinct Population Segment (DPS) of contiguous areas with broadly similar physical geography and hydrology. This dataset represents the BPG boundaries defined in the Southern California Steelhead Recovery Plan.
Steelhead BPGs, South-Central California Coast	Species	12/14/2012	Biogeographic Populations Groups (BPG) are divisions within a Distinct Population Segment (DPS) of contiguous areas with broadly similar physical geography and hydrology. This dataset represents the BPG boundaries defined in the Southern California Steelhead Recovery Plan.
NOAA Authorizations and Permits for Protected Species	Management and Conservation	12/14/2012	Provides a link to the NOAA NMFS issued permits for protected species summarized by HUC 8 geographic units as a way to provide information about anadromous fish research, and monitoring that is occurring.

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Stream Habitat Reach Summary - South Coast	Habitat	12/14/2012	This dataset helps identify and describe instream habitat available to anadromous salmonids within surveyed streams of the Santa Ynez watershed.
Mines and Mineral Processing Plants - USGS	Habitat	12/14/2012	Displays the locations of mines and mineral processing plants in California. Mining is described as a threat source to steelhead recovery in the Southern California Steelhead Recovery Plan.
Non-Native and Invasive Plants - Calflora	Habitat	12/14/2012	The dataset was created to document the distribution of non-native plants in California and is a collection of observation data contributed to Calflora by individuals and institutions.
Zoning - Ventura County	Management and Conservation	12/14/2012	Displays how zoning ordinances have been used to designate land use within the unincorporated areas of Ventura County.
Crestridge Vegetation Types	Habitat	12/14/2012	The purpose of this vegetation mapping effort was to refine the earlier map created for the Multiple Species Conservation Program planning areas (1=2000 scale map generated by 1990 aerial photo interpretation), update vegetation changes due to fire or other disturbances, and provide a baseline for long-term monitoring comparisons.
Medium Scale Central Valley Riparian and Aggregated Delta Veg, 2011	Habitat	12/14/2012	This dataset was developed as part of the California Department of Water Resource's Central Valley Flood Protection Program and to facilitate regional planning, conservation and enhancement of biological resources by the Department of Water Resources, project partners and regional stakeholders.
Medium Scale Central Valley Riparian Vegetation and Land Use, 2011	Habitat	12/14/2012	This dataset was developed as part of the California Department of Water Resource's Central Valley Flood Protection Program and to facilitate regional planning, conservation and enhancement of biological resources by the Department of Water Resources, project partners and regional stakeholders.
Vegetation - Carrizo Plain ER, 2005-2008	Habitat	12/14/2012	This dataset documents the type and extents of vegetation that exist in DFG lands in and around the Carrizo Plains.
Vegetation - Garcia River, Mendocino County 2005	Habitat	12/14/2012	The Nature Conservancy (TNC) contracted Aerial Information Systems, Inc (AIS) to develop a vegetation map covering approximately 23,800 acres (~37 square miles) of the Garcia River Watershed east of Point Arena. The goal of the project was to create a baseline vegetation map depicting existing conditions within the study area at the time the base imagery was flown in 2005.
Vegetation - Suisun Marsh 2009 [ds711]	Habitat	12/14/2012	This vegetation mapping project of Suisun Marsh blends ground-based classification, aerial photo interpretation, and GIS editing and processing. The method is based on the development of a quantitative vegetation classification, which is used to describe the vegetation map units of the marsh in 2009.
Vegetation Map - Ventura County [ds514]	Habitat	12/14/2012	This dataset represents a GIS database of vegetation that covers the entire area of Ventura County. The database was created from the most accurate sources available at the time.
Vegetation Mapping - Telecolote Canyon, San Diego Co.	Habitat	12/14/2012	These vegetation mapping projects were conducted to provide baseline data for Resource Management Plans.

Map Viewer Layer Name	Map Category	Date Added or Updated	Data Description
Passage Assessment Database [ds069]	Habitat	9/14/2012	Compiles currently available fish passage information from many different sources, allows past and future barrier assessments to be standardized and stored in one place, and enables the analysis of cumulative effects of passage barriers in the context of overall watershed health.
Hydrologic Units - Nonindigenous Aquatic Species (NAS)	Species	8/7/2012	The purpose of this data layer is to provide a link to NAS presence and distribution of nonindigenous aquatic species data summarized by HUC 8 geographic units. If you open the attributes of a Hydrologic Unit Code (HUC) feature in this dataset the link found in the LINK field will take you to a page that lists of all nonindigenous aquatic species that have been reported as present in the selected HUC.
National Fish Habitat Action Plan (NFHAP) Habitat Condition Indices	Habitat	8/7/2012	The National Fish Habitat Action Plan (NFHAP) Habitat Condition Indices features contain local and network catchment human disturbance variables representing anthropogenic alterations to landscapes in California, including land use, roads, dams, mines, and point-source pollution sites. They were gathered in support of conducting a condition assessment of fluvial waterbodies throughout the United States in support of the NFHAP. Please visit the NFHAP science and data page for more information. http://fishhabitat.org/index.php?option=com_content&view=category&layout=blog&id=42&Itemid=61 .
Hydrologic Units - EPA Surf Your Watershed	Habitat	8/7/2012	The purpose of this data layer is to provide a link to the EPA Surf Your Watershed service. If you open the attributes of a Hydrologic Unit Code (HUC) feature in this dataset the link found in the LINK field will take you to the EPA Surf Your Watershed page for the selected hydrologic unit.
Groundwater Basins	Habitat	8/7/2012	This dataset shows the groundwater basins and subbasins as defined by the California Department of Water Resources
Fire Perimeters - California	Habitat	8/7/2012	This dataset provides a reasonable view of the spatial distribution of past large fires. Due to missing perimeters (see completeness report) this layer should not be used for statistical analysis and reporting.
CDWR WDL Stations	Habitat	8/7/2012	This GIS dataset displays the locations of continuous and discrete water quality monitoring sites managed by the California Department of Water Resources. The purpose of this dataset is to show locations of continuous and discrete water quality monitoring and to link back to a database of detailed water quality information that is available for download. The CDWR WDL site (http://www.water.ca.gov/waterdatalibrary/) is the definitive source for station location data and will include any stations added after May 24, 2012.

Map Viewer Layer Name	Map Category	Date Added or Updated	Data Description
CEDEN Stations	Habitat	8/7/2012	CEDEN is a system designed to facilitate the integration and sharing of California's water resource monitoring data collected by many different participants. It is a cooperative effort of various groups involved in the water and environmental resources of the State of California. The points in this feature class represent CEDEN water quality, toxicity, tissue, and benthic station locations as of April 13, 2012. The hyperlink found in the LINK attribute field will open a summary page listing the parameters measured at these stations with a count of results in addition to a range of dates that samples were collected in. The information on this page will give a general idea of what information is available for the station. A second hyperlink field named Download_Link is present to open the CEDEN Advanced Query Tool where detailed information specific to a station of interest can be retrieved and downloaded. In addition the CEDEN Advanced Query Tool includes a map viewer that displays station locations. The CEDEN Advanced Query Tool is the definitive source for station location data and will include any stations added after April 13, 2012 .
Arundo Distribution - Orange Co.	Habitat	8/7/2012	The collected data represent a baseline survey of selected invasive plants within the riparian corridors of southern Orange County coastal watersheds.
Canary Island Date Palm - Orange Co.	Habitat	8/7/2012	The collected data represent a baseline survey of selected invasive plants within the riparian corridors of southern Orange County coastal watersheds.
Giant Reed Distribution - Northern California	Habitat	8/7/2012	This GIS layer was created to support prioritization of future Arundo eradication efforts.
Invasive Plants (poly) - Red Sesbania - San Joaquin River	Habitat	8/7/2012	These data provide an estimate of the distribution, locations, and extent of the major invasive riparian plant species along the San Joaquin River from Friant Dam to the Merced River confluence as well as parts of major intersecting sloughs and bypasses, in June through August 2008.
Invasive Plants (Prct Cover) - Central So.Cal Coastal Watersheds	Habitat	8/7/2012	This data is intended to represent a comprehensive collection of digitally available invasive plant surveys for giant reed, pampas grass, jubata grass, Mexican fan palm, and Canary Island date palm within California coastal watersheds from Salinas to Tijuana.
Invasive Plants (Species) – Central_So.Cal Coastal Watersheds	Habitat	8/7/2012	This data is intended to represent a comprehensive collection of digitally available invasive plant surveys for giant reed, pampas grass, jubata grass, Mexican fan palm, and Canary Island date palm within California coastal watersheds from Salinas to Tijuana.
Invasive Plants – San Joaquin River	Habitat	8/7/2012	These data provide an estimate of the distribution, locations, and extent of the major invasive riparian plant species along the San Joaquin River from Friant Dam to the Merced River confluence as well as parts of major intersecting sloughs and bypasses, in June through August 2008.
Mexican Fan Palm – Orange Co.	Habitat	8/7/2012	The collected data represent a baseline survey of selected invasive plants within the riparian corridors of southern Orange County coastal watersheds.
Other Invasive Plants – Orange Co.	Habitat	8/7/2012	The collected data represent a baseline survey of selected invasive plants within the riparian corridors of southern Orange County coastal watersheds.
Pampas Grass – Orange Co.	Habitat	8/7/2012	The collected data represent a baseline survey of selected invasive plants within the riparian corridors of southern Orange County coastal watersheds.

Map Viewer Layer Name	Map Category	Date Added or Updated	Data Description
Perennial Pepperweed Patches – San Francisco Estuary	Habitat	8/7/2012	The database contains distribution data for pepperweed (<i>Lepidium latifolium</i>) for individuals to view and to produce maps to assist in monitoring, eradicating and controlling this species.
Perennial Pepperweed Surveyed Areas – San Francisco Estuary	Habitat	8/7/2012	The database contains distribution data of surveying efforts for pepperweed (<i>Lepidium latifolium</i>) for individuals to view and to produce maps to assist in monitoring, eradicating and controlling this species.
Red Sesbania Distribution – lines	Habitat	8/7/2012	The database contains occurrences of red sesbania (<i>Sesbania punicea</i>) for individuals to view and to produce maps to assist in tracking, eradication, and control of this plant.
Red Sesbania Distribution – points	Habitat	8/7/2012	The database contains occurrence records of red sesbania (<i>Sesbania punicea</i>) for individuals to view and to produce maps to assist in tracking, eradication, and control of this plant.
Vegetation - Gabilan Ranch, 2006	Habitat	8/7/2012	Aerial Information Systems, Inc. was contracted by The Nature Conservancy to create a vegetation map covering approximately 11000 acres known as the Gabilan Ranch south of the town of San Juan Bautista. The goal of the project is to create a baseline vegetation map depicting existing conditions within the study area.
Vegetation - Salinas River, 2008	Habitat	8/7/2012	Aerial Information Systems, Inc. was contracted by The Nature Conservancy to create a terrestrial vegetation map along the portion of the Salinas River in Monterey County and several of its tributaries. The dataset will be used to map and determine the extent of native riparian vegetation and to identify significant areas of invasive species.
Vegetation - San Benito River, 2007	Habitat	8/7/2012	Aerial Information Systems, Inc. was contracted by The Nature Conservancy to create a vegetation map covering approximately 42500 acres within the majority of the San Benito River Valley. The goal of the project is to create a baseline vegetation map depicting existing conditions within the study area.
Vegetation - N. Sierra Foothills	Habitat	8/7/2012	The California Department of Fish and Game worked collaboratively with the California Native Plant Society and Aerial Information Systems to produce a fine-scale vegetation map of the northern Sierra Nevada Foothills region.
Vegetation - Lassen Foothills	Habitat	8/7/2012	Aerial Information Systems, Inc. was contracted by the California Native Plant Society to produce a vegetation map for approximately 100,000 acres of foothill and valley fringe regions west of Lassen National Park. Included within the mapping area were the Dye Creek Preserve and Tehama Wildlife Area in addition to the Denny Ranch property in the northwestern portion of the study.
Vegetation - Santa Cruz Island, 2007	Habitat	8/7/2012	Aerial Information Systems, Inc. was contracted by The Nature Conservancy to create a vegetation map covering approximately 62000 acres of Santa Cruz Island. In addition to mapping the floristic composition of the island, AIS mapped cover density for each of the major plant life forms associated with the mapped vegetation stand.
Delta Vegetation and Land Use	Habitat	8/7/2012	Vegetation and land use were mapped for approximately 725,000 acres constituting the Legal Delta portion of the Sacramento and San Joaquin River Delta area.

Map Viewer Layer Name	Map Category	Date Added or Updated	Data Description
Vegetation - Anza-Borrego Desert State Park	Habitat	8/7/2012	This data prepared by the Department of Fish and Game under contract to the Department of Parks and Recreation depicts the vegetation within the Anza Borrego Desert State Park and its surrounding environment.
Vegetation - Central Mojave Desert	Habitat	8/7/2012	This data displays vegetation and other land cover types in the eastern Mojave of California. These data were developed as part of the Department of Defense Legacy funded Mojave Desert Ecosystem Program.
Vegetation - Napa County and Blue Ridge Berryessa	Habitat	8/7/2012	The Department of Fish and Game, Information Center for the Environment, and Aerial Information Systems developed a classification of vegetation types for Napa County.
Vegetation - Pine Creek WA and Fitzhugh Creek WA	Habitat	8/7/2012	This data prepared by the California Department of Fish and Game Vegetation Classification and Mapping Program (VegCAMP) maps and classifies the vegetation of the Pine Creek and Fitzhugh Creek Wildlife Area.
Vegetation - Point Reyes	Habitat	8/7/2012	The National Park Service, in conjunction with the Biological Resources Division of the USGS has implemented a program to develop a uniform hierarchical vegetation mapping methodology and classification at a national level and apply it to National parks.
Vegetation - Western Riverside Co. [ds1196]	Habitat	8/7/2012	The California Department of Fish and Game contracted with the California Native Plant Society and Aerial Information Systems to produce a vegetation classification map of Western Riverside County.
Vegetation - Yosemite	Habitat	8/7/2012	This data shows the vegetation of Yosemite National Park and beyond as produced from color infrared analog photographs flow by Photo Science through a nationwide contract.
Vegetation - Suisun Marsh 1999	Habitat	8/7/2012	This vegetation mapping project of Suisun Marsh blends ground-based classification, aerial photo interpretation, and GIS editing and processing. The method is based on the development of a quantitative vegetation classification, which is used to describe the vegetation map units of the marsh in 1999.
Vegetation - Suisun Marsh 2000	Habitat	8/7/2012	This vegetation mapping project of Suisun Marsh blends ground-based classification, aerial photo interpretation, and GIS editing and processing. The method is based on the development of a quantitative vegetation classification, which is used to describe the vegetation map units of the marsh in 2000.
Vegetation - Suisun Marsh 2003	Habitat	8/7/2012	This vegetation mapping project of Suisun Marsh blends ground-based classification, aerial photo interpretation, and GIS editing and processing. The method is based on the development of a quantitative vegetation classification, which is used to describe the vegetation map units of the marsh in 2003.
Vegetation - Suisun Marsh 2006	Habitat	8/7/2012	This vegetation mapping project of Suisun Marsh blends ground-based classification, aerial photo interpretation, and GIS editing and processing. The method is based on the development of a quantitative vegetation classification, which is used to describe the vegetation map units of the marsh in 2006.
National Wetlands Inventory Polygons, California subset	Habitat	8/7/2012	This dataset represents the extent, approximate location and type of wetlands and deepwater habitats in California. These data delineate the areal extent of wetlands and surface waters as defined by Cowardin et al. (1979).

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Wildlife Conservation Board (wcb) Approved Projects	Management and Conservation	8/7/2012	This dataset provides spatial links to the Wildlife Conservation Boards main project database which is a comprehensive set of Wildlife Conservation Board projects from board inception in 1949 to present (publication date).
DFG Owned and Operated Lands	Management and Conservation	8/7/2012	This dataset is intended to provide information on the location of lands owned and/or administered by the California Department of Fish and Game and for general conservation planning within the state.
California Streams	Base Layers	8/7/2012	The purpose of California streams is to provide an alternative to the native NHD measuring system of percentage of distance along reach length with one that enhances the ability to examine distance relationships along entire stream courses. Candidate National Hydrography Dataset (NHD) high resolution NHDFlowline features for California have been dissolved on common GNIS_ID or StreamLevel attributes and routed from mouth to headwater in meters. The results are measured polyline features representing entire streams. Routes on these streams are measured upstream, i.e., the measure at the mouth of a stream is zero and at the upstream end the measure matches the total length of the stream feature. Using GIS tools, a user of this dataset can retrieve the distance in meters upstream from the mouth at any point along a stream feature.
California Lakes	Base Layers	8/7/2012	This dataset was created for two purposes. First, to attempt to correct the many inaccuracies in current GIS datasets for California waterbodies, especially regarding names. Second, to provide a unique numeric ID system for DFG of all digitized waterbodies in California in order to assist with fisheries and biological programs management and public fishing programs, including biological surveys, fish planting, and public fishing guides.
Fisheries Restoration Grant Program Projects	Species	8/1/2012	The California Habitat Restoration Project Database (CHRPD) captures, manages, and disseminates data about habitat restoration projects in California benefiting anadromous fish. The CHRPD currently contains data from the California Department of Fish and Game's Fisheries Restoration Grants Program (FRGP), the CALFED Ecosystem Restoration Program (ERP), the National Fish and Wildlife Foundation, the State Coastal Conservancy, the NOAA Restoration Center, the U.S. Fish and Wildlife Service, the California Conservation Corps, and the Cantara Trustee Council.
Coho Distribution	Species	6/1/2012	The Environmental Resource Information Service, CDFG Northern Region, developed a method for deriving salmonid distribution from existing observation data. Distribution and Range datasets are available for winter and summer steelhead and coho salmon.
Winter Steelhead Distribution	Species	6/2/2012	The Environmental Resource Information Service, CDFG Northern Region, developed a method for deriving salmonid distribution from existing observation data. Distribution and Range datasets are available for winter and summer steelhead and coho salmon.