

California Marine Life Protection Act Initiative
Spatial Data Layers Identified for the North Coast Study Region
Revised July 20, 2009

Category	Alias	Feature Name	Description
Base Layers			
Base	Buoys	BAS_CA_Buoys	Location of buoys
Base	State Outline	BAS_CA_California	Outline of California
Base	Coastline	BAS_CA_Coastline	Detailed coastline of California
Base	Geographic Names	BAS_CA_Geographic_Names	U.S. geographic names information system locales
Base	Grids (1,5,10 min)	BAS_CA_grid*	Reference Grids for geographic location
Base	Roads (Tiger2k)	BAS_CA_Roads_Tiger2K	Tiger Database of geolocated roads
Base	Shoreline Features	BAS_CA_Shoreline_Features	Miscellaneous features including beaches, piers, rivermouths, etc.
Base	Study Region	BAS_CA_SR_state	MLPA subregions for entire state, not accurate coastline for all subregions
Base	Rivers	BAS_US_Rivers	Location of rivers
Base	Islands	BAS_CA_Islands	Location of islands off California
Bathymetry Layers			
Bathymetry	Contours (10,20,30,50,100,200,500m)	BAT_CA_Contours* M&F	Bathymetric Contours in both meters and fathoms
Bathymetry	200m DEM	BAT_CA_DEM_200m	Digital Elevation Model at 200m resolution for entire state
Bathymetry	Depth Zones	BAT_CA_DepthZones* M&F	Depth zones in both meters and fathoms
Bathymetry	Hillshade (color & grayscale)	BAT_CA_hillshade_200m*	Hillshade derived from 200m DEM

California Marine Life Protection Act Initiative
Spatial Data Layers Identified for the North Coast Study Region
Revised July 20, 2009

Category	Alias	Feature Name	Description
Biological Layers			
Biological	Seabird Colony Locations	BIO_CA_Bird_Colonies_Seabird	Seabird colony locations
Biological	Invert: Brachiopoda	BIO_CA_Inv_Brachiopoda	Biological phenomenon locations
Biological	Invert: Chemosynthetic	BIO_CA_Inv_Chemosynthetic	Biological phenomenon locations
Biological	Invert: Cirinoid	BIO_CA_Inv_cirinoid	Biological phenomenon locations
Biological	Invert: Gorgonacea	BIO_CA_Inv_gorgonacea	Biological phenomenon locations
Biological	Invert: Porifera	BIO_CA_Inv_porifera	Biological phenomenon locations
Biological	Invert: Sessile Cucumber	BIO_CA_Inv_sessilecucumber	Biological phenomenon locations
Biological	Invert: Soft Coral	BIO_CA_Inv_SoftCoral	Biological phenomenon locations
Biological	Invert: Structure Forming	BIO_CA_Inv_StructureForming	Biological phenomenon locations
Biological	Kelp: 89,99,02,03,04,05,06	BIO_CA_Kelp*	Kelp Location data
Biological	Kelp Persistence	BIO_CA_Kelp_Persistent	Kelp Persistence Data. 3 out of 4 years
Biological	Mammal Pinniped rookeries	BIO_CA_Mammal_Pinniped_Rookeries	Pinniped rookery locations
Biological	Mammal Pinniped Haulouts	BIO_CA_Mammal_Pinniped_Haulouts	Pinniped haulout locations
Biological	Angelshark HSM	BIO_CA_NoaaBioGeo_Angleshark_hsm	Angel shark Habitat Suitability Model
Biological	Black Abalone HSM	BIO_CA_NoaaBioGeo_babalone_hsm	Black abalone Habitat Suitability Model

California Marine Life Protection Act Initiative
Spatial Data Layers Identified for the North Coast Study Region
Revised July 20, 2009

Category	Alias	Feature Name	Description
Biological	Bird Diversity 2	BIO_CA_NoaaBioGeo_birddiv2	Sea Bird Diversity Model
Biological	Ca Cuke HSM	BIO_CA_NoaaBioGeo_cacuke_hsm	California sea cucumber Habitat Suitability Model
Biological	CALCOFI bocaccio	BIO_CA_NoaaBioGeo_CALCOFI_bocaccio	Biological phenomenon locations
Biological	CALCOFI n anchovy	BIO_CA_NoaaBioGeo_CALCOFI_nanchovy	Biological phenomenon locations
Biological	CALCOFI p sardine	BIO_CA_NoaaBioGeo_CALCOFI_pсарdine	Biological phenomenon locations
Biological	CDAS Ashy Storm Petrel	BIO_CA_NoaaBioGeo_CDAS_asp	Biological phenomenon locations
Biological	CDAS Brandt's Cormorant	BIO_CA_NoaaBioGeo_CDAS_bc	Biological phenomenon locations
Biological	CDAS blue whale	BIO_CA_NoaaBioGeo_CDAS_bluewhale	Biological phenomenon locations
Biological	CDAS bnose dolphin	BIO_CA_NoaaBioGeo_CDAS_bndolphin	Biological phenomenon locations
Biological	CDAS Cassins auklet	BIO_CA_NoaaBioGeo_CDAS_ca	Biological phenomenon locations
Biological	CDAS common dolphin	BIO_CA_NoaaBioGeo_CDAS_cd	Biological phenomenon locations
Biological	CDAS dalls porpoise	BIO_CA_NoaaBioGeo_CDAS_dalls	Biological phenomenon locations
Biological	CDAS dc cormorant	BIO_CA_NoaaBioGeo_CDAS_dccormorant	Biological phenomenon locations
Biological	CDAS fin whale	BIO_CA_NoaaBioGeo_CDAS_finwhale	Biological phenomenon locations
Biological	CDAS gray whale	BIO_CA_NoaaBioGeo_CDAS_greywhale	Biological phenomenon locations
Biological	CDAS harbor porpoise	BIO_CA_NoaaBioGeo_CDAS_harbporp	Biological phenomenon locations

California Marine Life Protection Act Initiative
Spatial Data Layers Identified for the North Coast Study Region
Revised July 20, 2009

Category	Alias	Feature Name	Description
Biological	CDAS humpback whale	BIO_CA_NoaaBioGeo_CDAS_humpback	Biological phenomenon locations
Biological	CDAS minke whale	BIO_CA_NoaaBioGeo_CDAS_minke	Biological phenomenon locations
Biological	CDAS northern right whale	BIO_CA_NoaaBioGeo_CDAS_nrw	Biological phenomenon locations
Biological	CDAS orca	BIO_CA_NoaaBioGeo_CDAS_orca	Biological phenomenon locations
Biological	CDAS pelagic cormorant	BIO_CA_NoaaBioGeo_CDAS_pc	Biological phenomenon locations
Biological	CDAS pigeon guillemot	BIO_CA_NoaaBioGeo_CDAS_pg	Biological phenomenon locations
Biological	CDAS pacific white sided dolphin	BIO_CA_NoaaBioGeo_CDAS_pwsd	Biological phenomenon locations
Biological	CDAS risso dolphin	BIO_CA_NoaaBioGeo_CDAS_risso	Biological phenomenon locations
Biological	CDAS xantu murrelet	BIO_CA_NoaaBioGeo_CDAS_xantu	Biological phenomenon locations
Biological	composite fish diversity	BIO_CA_NoaaBioGeo_cmp_fish_div	Fish Diversity Model
Biological	halibut HSM	BIO_CA_NoaaBioGeo_halibut_hsm	Halibut Habitat Suitability Model
Biological	birds / mammals data integration	BIO_CA_NoaaBioGeo_int_b_m	Overlapping diversity model between Birds & Mammals
Biological	fish / inverts data integration	BIO_CA_NoaaBioGeo_int_f_i	Overlapping diversity model between Fish & Inverts
Biological	sum integration	BIO_CA_NoaaBioGeo_integrate_all	Overlapping diversity model of Birds, Mammals, Fish, & Inverts
Biological	lobster HSM	BIO_CA_NoaaBioGeo_lobster_hsm	California lobster Habitat Suitability Model
Biological	NMFS / PISCO / SCCWRP dive sites	BIO_CA_NoaaBioGeo_NMS/PISCO*	Locations of dive & trawl surveys

California Marine Life Protection Act Initiative
Spatial Data Layers Identified for the North Coast Study Region
Revised July 20, 2009

Category	Alias	Feature Name	Description
Biological	NMFS / PISCO / SCCWRP dive data	BIO_CA_NoaaBioGeo_NMS/PISCO*	Fish diversity data based on trawl or dive sites
Biological	purple urchin HSM	BIO_CA_NoaaBioGeo_purchin_hsm	Purple urchin Habitat Suitability Model
Biological	red abalone HSM	BIO_CA_NoaaBioGeo_rabalone_hsm	Red abalone Habitat Suitability Model
Biological	ridgeback rock shrimp HSM	BIO_CA_NoaaBioGeo_rbrs_hsm	Ridgeback rock shrimp Habitat Suitability Model
Biological	rock crab HSM	BIO_CA_NoaaBioGeo_rockcrab_hsm	Rock crabs of the genus Cancer Habitat Suitability Model
Biological	sheep crab HSM	BIO_CA_NoaaBioGeo_scrab_hsm	Sheep crab Habitat Suitability Model
Biological	seabass HSM	BIO_CA_NoaaBioGeo_seabass_hsm	Giant seabass Habitat Suitability Model
Biological	sheephead HSM	BIO_CA_NoaaBioGeo_sheeph_hsm	California sheephead Habitat Suitability Model
Biological	spot shrimp HSM	BIO_CA_NoaaBioGeo_spot_s_hsm	Spot shrimp Habitat Suitability Model
Biological	squid HSM	BIO_CA_NoaaBioGeo_squid_hsm	California market squid Habitat Suitability Model
Biological	thresher shark juv & adult HSM	BIO_CA_NoaaBioGeo_thresh*	Juvenile and adult thresher shark Habitat Suitability Model
Biological	white abalone HSM	BIO_CA_NoaaBioGeo_w_ab_hsm	White abalone Habitat Suitability Model
Biological	warty cuke HSM	BIO_CA_NoaaBioGeo_warty_c_hsm	Warty sea cucumber Habitat Suitability Model
Biological	Reef Check sites	BIO_CA_RC*	Locations & Data for Reef Check dive information
Biological	Western Snowy Plover	BIO_CA_WesternSnowyPlover	Biological phenomenon locations
Biological	Marbled Murrelet 2006	BIO_NCSR_marbledmurrelet_PCH2006	Biological phenomenon locations

California Marine Life Protection Act Initiative
Spatial Data Layers Identified for the North Coast Study Region
Revised July 20, 2009

Category	Alias	Feature Name	Description
Biological	Salmonid Sea Outlets	BIO_NCSR_SalmonidSeaOutlets	Biological phenomenon locations
Biological	Seabird colonies	BIO_NCSR_SeabirdColonies	Biological phenomenon locations
Biological	Tidewater Goby	BIO_NCSR_tidewaterygoby_PCH	Biological phenomenon locations
Charts			
Charts	NOAA 200km	CHART_ca_noaa_200k_13	NOAA navigational charts
Charts	SD to Mendicino 1444km	CHART_ca_sdtomen1444k	NOAA navigational charts
Consumptive Layers			
Consumptive	CPFV CPUE 05-07	CON_CA_CPFV_CPUE_05_07	Commercial Passenger Fishing Vessel & Effort catch data for 2005-2007
Consumptive	CPFV landings 04-06	CON_CA_CPFV_Landing_04_06	Commercial Passenger Fishing Vessel Landing reports from 2004-2006
Consumptive	CRFS Skiff Effort 04-05	CON_CA_CRFS_SkiffEffort_04_05	California Recreational Fisheries Survey Effort report 2004-2005
Consumptive	Spotprawn Traps & trawls	CON_CA_SpotPrawn_*	Spotprawn catch data from 1994 - 2001
Cultural Layers			
Cultural	Cities	CUL_CA_Cities	Cities in California
Cultural	Coastal Access points	CUL_CA_Coast_AccessPoints	Beach access locations in California
Cultural	Geographic Points	CUL_CA_Coast_Points	Named points along the California Coast
Cultural	Counties	CUL_CA_Counties	California county boundaries

California Marine Life Protection Act Initiative
Spatial Data Layers Identified for the North Coast Study Region
Revised July 20, 2009

Category	Alias	Feature Name	Description
Cultural	Harbors	CUL_CA_Harbors	Harbor locations
Cultural	Ocean Outfalls	CUL_CA_Oceanoutfalls*	Major and Minor Ocean outfall locations
Cultural	Ports	CUL_CA_Ports	Port locations
Cultural	Powerplants	CUL_CA_Powerplants	Powerplant locations
Cultural	Research Institutions	CUL_CA_Research_Inst	Research Insitution locations
Cultural	ESI data	CUL_CA_SocioEcon	Environmental Sensitivity Index data
Cultural	telecom cable locations	CUL_CA_TelCom_Cables	Telecom cable locations
Cultural	Urban Areas census data	CUL_CA_Urban2000	Census data
Cultural	wave farms	CUL_CA_WaveFarms	Wave farm locations
Cultural	Shipwrecks	CUL_US_ShipwrecksNOAAenc	Large Shipwrecks along the US coastline
<i>Habitat Layers</i>			
Habitat	Eelgrass	HAB_CA_Eelgrass_old	Eelgrass habitat locations
Habitat	Estuaries	HAB_CA_Estuaries	Estuine habitat Locations
Habitat	Grunion Spawning Locations	HAB_CA_Grunion_Spawn_Locations	Grunion Spawning Beaches
Habitat	Hard and Soft Bottom Types (course scale)	HAB_CA_Induration & HAB_NCSR_Course_Scale_B_H	Hard vs Soft bottom type. Coarse Scale
Habitat	seagrass	HAB_CA_Seagrass_03	Seagrass Habitat location

California Marine Life Protection Act Initiative
Spatial Data Layers Identified for the North Coast Study Region
Revised July 20, 2009

Category	Alias	Feature Name	Description
Habitat	ESI sensitivity	HAB_CA_ShoreTypes	Environmental Sensitivity Index shore type / location
Habitat	surfgrass	HAB_CA_SurfGrass	Surfgrass habitat locations
<i>Management Layers</i>			
Management	Aquaculture	MAN_CA_Aquaculture	Aquaculture lease locations
Management	caltrawl blocks	MAN_CA_CalTrawl	CalTrawl management blocks
Management	Areas of special concern	MAN_CA_CASC	Areas of special concern / areas of special biological significance
Management	critical coastal areas	MAN_CA_CCA	Critical coastal areas of California
Management	DFG districts	MAN_CA_DFGDistricts	California Department of Fish & Game Districts
Management	EEZ	MAN_CA_EEZ	Exclusive Economic Zone
Management	Essential Fish habitat	MAN_CA_EFH*	Essential Fish Habitat Conservation Areas
Management	National Monument	MAN_CA_Fed_CCNM	California Coastal National Monument boundary
Management	Federal MPAs	MAN_CA_FedMPAs	Federal Marine Protected Areas
Management	Impaired Rivers	MAN_CA_Impaired_Rivers	Clean Water Act State Water Resources Control Board Impaired water bodies locations
Management	Impaired Water Bodies	MAN_CA_Impaired_WaterBodies	Clean Water Act State Water Resources Control Board Impaired water bodies locations
Management	Kelp Admin areas	MAN_CA_KelpAdmin	Administrative Kelp bed boundaries
Management	Terrestrial managed Areas	MAN_CA_ManagedAreas_Terr	Locations / Jurisdictions of terrestrially managed areas in California

California Marine Life Protection Act Initiative
Spatial Data Layers Identified for the North Coast Study Region
Revised July 20, 2009

Category	Alias	Feature Name	Description
Management	Microblocks	MAN_CA_Microblocks_CRFS_2006	Department of Fish & Game fishing report Microblocks
Management	monitoring sites	MAN_CA_MonitoringSites	Various monitoring site locations in California waters
Management	oil bed leases	MAN_CA_OilBedLeases	Offshore Oil Bed leases (2005)
Management	RCA areas	MAN_CA_RCA*	Various Rockfish Conservation Area locations
Management	Restricted Areas	MAN_CA_RestrictedAreas	Various Restricted areas / Jurisdictional restrictions
Management	State Parks	MAN_CA_StateParks*	State Park Locations
Management	State Waters	MAN_CA_Statewaters*	3nm boundary for the state of California
Management	Areas of special biological significance	MAN_CA_SWQPA_2003	State Water Quality Protection Agency's areas of special biological significance
Physical Layers			
Physical	Beach Nourishment	PHY_CA_BeachNmt_CSMW	Beach Nourishment locations
Physical	Canyons	PHY_CA_Canyons	Canyon locations
Physical	Coastal Rivers	PHY_CA_CoastalRivers	Coastal river locations
Physical	Coastal Hydrography	PHY_CA_CoastHydrography	Coastal waterways
Physical	Terrestrial color hillshade	PHY_CA_hillshade_30m_color	Color hillshade of California from 30m DEM
Physical	NOAABioGeo Ocean Currents	PHY_CA_noabiogeo_oc*	Ocean current information from NOAA Biogeographical assessment 97-99

California Marine Life Protection Act Initiative
Spatial Data Layers Identified for the North Coast Study Region
Revised July 20, 2009

Category	Alias	Feature Name	Description
Physical	NOAABioGeo Ocean Currents	PHY_US_noaabiogeo_oc*	Ocean current information from NOAA Biogeographical assessment 97-99 (west coast)
Physical	NOAABioGeo SST	PHY_CA_noaabiogeo_sst*	Sea Surface Temperature information from NOAA Biogeographical assessment 93-03
Physical	Oil seeps	PHY_CA_OilSeeps	Hydrocarbon seep locations
Physical	Submarine Features	PHY_CA_SubmarineFeaters	Submarine features locations
Physical	Watersheds	PHY_CA_Watersheds	California Interagency Watershed map