

Appendix A

Glossary of Terms

Appendix A: Glossary of Terms

1. Acronyms and Abbreviations

AAR	Acquisition Ascertainment Report
ACHP	Advisory Council on Historic Preservation
ACOE	United States Army Corps of Engineers
ADA	Americans with Disabilities Act
ADT	average daily traffic volumes
AHPA	Archaeological and Historic Preservation Act
Airport Authority	San Diego County Regional Airport Authority
APCD	San Diego Air Pollution Control District
APE	Area of Potential Effect
ARB	California Air Resources Board
ARPA	Archaeological Resources Protection Act
BCR	Bird Conservation Regions
BMPs	Best Management Practices
BOD	biological oxygen demand
Caltrans	California Department of Transportation
CAP	Contaminant Assessment Process
CAAQS	California Ambient Air Quality Standards
CCP	Comprehensive Conservation Plan
CDFG	California Department of Fish and Game
CEQA	California Environmental Quality Act
CESA	California Endangered Species Act
CFR	Code of Federal Regulations
cfs	cubic feet per second
cm	centimeter
CNEL	Community Noise Equivalent Level
CO	Carbon monoxide
Code	California Fish and Game Code
combined federal project	Sweetwater River Flood Control Channel/State Highway Route 54/Interstate 5 Project
Commission	California State Historic Resources Commission
Complex	San Diego National Wildlife Refuge Complex
County	County of San Diego
CRMP	Cultural Resources Management Program
dB	decibel
dBA	A-weighted” noise scale
dB Leq	noise levels presented as average noise levels over a period of minutes or hours
DDT	Dichlorodiphenyltrichloroethane
DEA	Draft environmental assessment
DEIS	Draft Environmental Impact Statement
DOI	Department of the Interior
DU	Ducks Unlimited

EA	environmental assessment
EBS	Environmental Business Solutions, Inc.
EIS	Environmental Impact Statement
EPA	U.S. Environmental Protection Agency
ESA	Federal Endangered Species Act
FEMA	Federal Emergency Management Agency
FR	Federal Register
FTE	full-time equivalent
FY	Fiscal Year
gpm	gallons per minute
HMP	Habitat Management Plan
HRB	Historical Resources Board (City of San Diego)
HUD	U.S. Department of Housing and Urban Development
I-5	Interstate 5
Improvement Act	National Wildlife Refuge System Improvement Act of 1997
INRMP	San Diego Bay Integrated Natural Resources Management Plan
kV	kilovolt
LCP	Local Coastal Program
LEA	County of San Diego Department of Environmental Health, Solid Waste Local Enforcement Agency
Ldn	Day/Night Average Sound Level
LOS	Level of Service
LPP	Land Protection Plan
m ²	square meter
μg/m ³	micrograms per cubic meter
MBTA	Migratory Bird Treaty Act
MHHW	mean higher high water
MHPA	Multi-Habitat Planning Area, as defined in the City of San Diego's Multiple Species Conservation Program Subarea Plan
MHW	mean high water
MLLW	mean low low water
MOA	memorandum of agreement
MOU	Memorandum of Understanding
MPAs	Marine Protected Areas
mph	miles per hour
MSCP	Multiple Species Conservation Program
MSL	Mean Sea Level
MTDB	Metropolitan Transit Development Board
Municipal Permit	Municipal Storm Water NPDES Permit
NAAQS	National Ambient Air Quality Standards
NAGPRA	Native American Graves Protection and Repatriation Act
NASNI	Naval Air Station, North Island
NGOs	non-government organizations
NEPA	National Environmental Policy Act
NGDV	National Geodetic Vertical Datum
NHPA	National Historic Preservation Act
NMFS	National Marine Fisheries Service
NO ₂	Nitrogen dioxide
NOAA	National Oceanic and Atmospheric Administration
NOI	Notice of Intent
NOLF	Navel Outlying Landing Field, Imperial Beach

NO _x	Oxides of nitrogen
NPDES	National Pollutant Discharge Elimination System
NRHP	National Register of Historic Places
NRRF	Naval Radio Receiving Facility
NWI	National Wetlands Inventory
NWR	National Wildlife Refuge
NWRS	National Wildlife Refuge System
O ₃	Ozone
OEHHA	Office of Environmental Health Hazard Assessment
OVRP	Otay Valley Regional Park
PAHs	polycyclic aromatic hydrocarbons
PCBs	polychlorinated biphenyls
PM ₁₀	fugitive dust emissions or “inhalable particles” that are 10 microns (millionths of a meter) or less in diameter
PM _{2.5}	fine inhalable particles that are 2.5 microns and smaller
Port	Unified Port of San Diego (formerly San Diego Unified Port District, SDUPD)
ppm	parts per million
ppt	parts per thousand
PRISM	Program for Regional and International Shorebird Monitoring
PWC	personal watercraft
ROD	Record of Decision
RONS	Refuge Operating Needs System
RWQCB	Regional Water Quality Control Board
SANDAG	San Diego Association of Governments
SDUPD or Port	San Diego Unified Port District, now referred to as the Unified Port of San Diego
Service	U.S. Fish and Wildlife Service (also, USFWS)
SHPO	State Historic Preservation Office
SO ₄	Sulfates
SOHO	Save Our Heritage Organization
SR 56	State Route 56
SSA	Special Study Area
State	California Department of Fish and Game
SUP	Special Use Permit
SWIA	Southwest Wetlands Interpretive Association
SWRCB	California State Water Resources Control Board
TACAN	instrument approach for NASNI
TBT	tributyltin
TEA-21	Transportation Enhancement Act for the 21 st Century
THPO	Tribal Historic Preservation Officer
TOT	transit occupancy taxes
TRPH	total recoverable petroleum hydrocarbons
USC	United States Code
USDA	U.S. Department of Agriculture
USDA APHIS	U.S. Department of Agriculture, Animal Plant Health Inspection Service
USFWS	U.S. Department of the Interior, Fish and Wildlife Service (also, Service)
VFR	visual flight rules
VOC	volatile organic compounds

2. Glossary of Terms

Abiotic. The non-living parts of an ecosystem (e.g. light, temperature, water, oxygen, and other nutrients or gases).

Accessibility. The state or quality of being easily approached or entered, particularly as it relates to complying with the Americans With Disabilities Act.

Accumulation. The build-up of a chemical in an organism due to repeated exposure.

Adaptive Management. The rigorous application of management, research, and monitoring to gain information and experience necessary to assess and modify management activities. A process that uses feedback from refuge research and monitoring and evaluation of management actions to support or modify objectives and strategies at all planning levels. Analysis of results help managers determine whether current management should continue as is or whether it should be modified to achieve desired conditions.

Alluvial. Clay, silt, sand, gravel or other sedimentary matter transported and deposited in a delta or riverbed by flowing water.

Alternative. A reasonable way to fix an identified problem or satisfy a stated need, or a different set of objectives and strategies or means of achieving refuge purposes and goals, helping fulfill the refuge system mission, and resolving issues.

Approved Acquisition Boundary. A project boundary that the Director of the Service approves upon completion of the planning and environmental compliance process. An approved acquisition boundary only designates those lands which the Service has authority to acquire or manage through various agreements. The approval of an acquisition boundary does not grant the Service jurisdiction or control over lands within the boundary, and it does not make lands within the refuge boundary part of the National Wildlife Refuge System. Lands do not become part of the System until the Service buys them or they are placed under an agreement that provides for their management as part of the System.

Aquatic. Pertaining to water, in contrast to land.

Artifact. An object used or made by humans, usually in reference to projectile points, tools, utensils, art, food remains, and other products of human activity.

Benthic. Refers to organisms associated with the bottom of the ocean, bay, lake, or river.

Biodiversity (Biological Diversity). Refers to the full range of variability within and among biological communities, including genetic diversity, and the variety of living organisms, assemblages of living organisms, and biological processes. Diversity can be measured in terms of the number of different items (species, communities) and their relative abundance.

Biological Integrity. Biotic composition, structure, and functioning at the genetic, organism, and community levels consistent with natural conditions, including the natural biological processes that shape genomes, organisms, and communities.

Biota. The plant and animal life of a region.

Bivalve. Common term for pelecypods (members of Mollusca) in which the hard parts are composed of two sections fitting together to enclose a space that contains the soft part of the organism.

Categorical Exclusion. A category of actions that do not individually or cumulatively have a significant effect on the human environment and have been found to have no such effect in procedures adopted by a Federal agency pursuant to the National Environmental Policy Act.

Compatibility Determination. A written determination that a proposed or existing use of a National Wildlife Refuge is a compatible use or is not a compatible use.

Compatible Use. A proposed or existing wildlife-dependent recreational use or any other use of a National Wildlife Refuge that, based on sound professional judgment, will not materially interfere with or detract from the fulfillment of the National Wildlife Refuge System Mission or the purposes of the Refuge on which the use would occur.

Comprehensive Conservation Plan (CCP). A document that describes the desired future conditions of the refuge or planning unit and provides long-range guidance and management direction to achieve the purposes of the refuge, helps fulfill the mission of the Refuge System; maintains and, where appropriate, restores the ecological integrity of each refuge and the Refuge System; helps achieve the goals of the National Wilderness Preservation System; and meets other mandates.

Concern. See issue.

Critical Habitat. According to U.S. Federal law, the ecosystems upon which endangered and threatened species depend.

Cultural Resource. The physical remains of human activity (artifacts, ruins, petroglyphs, etc.) and conceptual content or context of an area such as a traditional sacred site. It includes historically, archaeologically and architecturally significant resources.

Cultural Resource Inventory. A professionally conducted study designed to locate and evaluate evidence of cultural resources present within a defined geographic area. Inventories may involve various levels, including background literature search, comprehensive field examination to identify all exposed physical manifestations of cultural resources, or sample inventory to project site distribution and density over a larger area. Evaluation of identified cultural resources to determine eligibility for the National Register follows the criteria found in 36 CFR 60.4.

Cultural Resource Overview. A comprehensive document prepared for a field office that discusses, among other things, its prehistory and cultural history, the nature and extent of known cultural resources, previous research, management objectives, resource management conflicts or issues, and a general statement on how program objectives should be met and conflicts resolved.

Detritus. An accumulation of decomposing plant and animal remains.

Dioxin. A family of toxic chemicals, including polychlorinated biphenyls (PCBs), that all share a similar chemical structure and a common mechanism of toxic action. Dioxin levels in the environment have been declining; however, current exposures levels still remain a concern.

Disturbance. Significant alteration of habitat structure or composition. May be natural (e.g., fire) or human-caused events (e.g., aircraft overflight). Also see wildlife disturbance.

Easement. A privilege or right that is held by one person or other entity in land owned by another.

Ecological Integrity. The integration of biological integrity, natural biological diversity, and environmental health; the replication of natural conditions.

Ecoregion. A territory defined by a combination of biological, social, and geographic criteria, rather than geopolitical considerations; generally, a system of related, interconnected ecosystems.

Ecosystem. A dynamic and interrelating complex of plant and animal communities and their associated non-living environment.

Ecosystem Approach. Protecting or restoring the natural function (processes), structure (physical and biological patterns), and species composition of an ecosystem, recognizing that all components are interrelated.

Ecosystem Management. Management of natural resources using system-wide concepts to ensure that all plants and animals in ecosystems are maintained at viable levels in native habitats and basic ecosystem processes are perpetuated indefinitely.

Effect. A change in a resource, caused by a variety of events including project attributes acting on a resource attribute (direct), not directly acting on a resource attribute (indirect), another project attributes acting on a resource attribute (cumulative), and those caused by natural events (e.g., seasonal change).

Endangered Species (Federal). A plant or animal species listed under the Endangered Species Act that is in danger of extinction throughout all or a significant portion of its range.

Endangered Species (State). A plant or animal species in danger of becoming extinct or extirpated in California within the near future if factors contributing to its decline continue.

Environment. The sum total of all biological, chemical, and physical factors to which organisms are exposed; the surroundings of a plant or animal.

Environmental Assessment (EA). A concise public document, prepared in compliance with the National Environmental Policy Act, that briefly discusses the purpose and need for an action, alternatives to such action, and provides sufficient evidence and analysis of impacts to determine whether to prepare an Environmental Impact Statement or Finding of No Significant Impact.

Environmental Education. A process designed to develop a citizenry that has the awareness, concern, knowledge, attitudes, skills, motivation, and commitment to work toward solutions of current environmental problems and the prevention of new ones. Environmental education within the National Wildlife Refuge System incorporates materials, activities, programs, and products that address the citizen's course of study goals, the objectives of the refuge or unit, and the mission of the Refuge System.

Environmental Health. Abiotic composition, structure, and functioning of the environment consistent with natural conditions, including the natural abiotic processes that shape the environment.

Environmental Impact Statement (EIS). A detailed written statement required by Section 102(2)(C) of the National Environmental Policy Act, analyzing the environmental impacts of a proposed action, adverse effects of the project that cannot be avoided, alternative courses of action, short-term uses of the environment versus the maintenance and enhancement of long-term productivity, and any irreversible and irretrievable commitment of resources (40 CFR 1508.11).

Epibenthic. Pertaining to the environment and conditions of organisms living near the water bottom.

Estuarine. Deepwater tidal habitats and adjacent tidal wetlands that are usually partly enclosed by land but have some access to the open ocean and are diluted by freshwater.

Estuary. The wide lower course of a river into which the tides flow. The area where the tide meets a river current.

Euryhaline. Organisms that are tolerant of a wide range of salinity.

Exotic Species. Species that have been intentionally introduced to or have inadvertently infiltrated an area in which they are not natural found. Exotic species compete with native species for food or habitat.

Fallow. Allowing land that normally is used for crop production to lie idle.

Federal Trust Resources. A trust is something managed by one entity for another who holds the ownership. The Service holds in trust many natural resources for the people of the United States of America as a result of Federal acts and treaties. Examples are species listed under the Endangered Species Act, migratory birds protected by the Migratory Bird Treaty Act and other international treaties, and native plant or wildlife species found on the Refuge System.

Finding of No Significant Impact (FONSI). A document prepared in compliance with the National Environmental Policy Act, supported by an environmental assessment, that briefly presents why a Federal action will have no significant effect on the human environment and for which an environmental impact statement, therefore, will not be prepared (40 CFR 1508.13).

Floodplain. The relatively flat area along the sides of a river which is naturally subjected to flooding.

Fluvial. Pertaining to a river.

Flyway. A route taken by migratory birds between their breeding grounds and their wintering grounds. Four primary migration routes have been identified for birds breeding in North America: the Pacific, Central, Mississippi, and Atlantic Flyways.

Foraging. The act of feeding; another word for feeding.

Forb. A broad-leaved, herbaceous plant.

Fragmentation. The process of reducing the size and connectivity of habitat patches.

Gastropod. Any of a large class of mollusks, usually with a univalve shell or no shell and a distinct head bearing sensory organs, such as snails and slugs.

Goal. Descriptive, open-ended, and often broad statement of desired future conditions that conveys a purpose but does not define measurable units.

Habitat. Suite of existing environmental conditions required by an organism for survival and reproduction. The place where an organism typically lives.

Habitat Fragmentation. The breaking up of a specific habitat into smaller, unconnected areas.

Habitat Restoration. Management emphasis designed to move ecosystems to desired conditions and processes, and/or to healthy ecosystems.

Habitat Type. See Vegetation Type.

Hydrologic Regime. The local pattern and magnitude of water flow influenced by season.

Hydrology. The science dealing with the properties, distribution, and circulation of water on and below the earth's surface and in the atmosphere. The distribution and cycling of water in an area.

Impact. Refer to Effect.

Integrated Pest Management (IPM). Methods of managing undesirable species, such as weeds, including education; prevention, physical or mechanical methods or control; biological control; responsible chemical use; and cultural methods.

Interpretation. Interpretation can be an educational and recreational activity that is aimed at revealing relationships, examining systems, and exploring how the natural world and human activities are interconnected.

Intertidal Mudflat. Expanses of mud contiguous to a water body often covered and exposed by tides.

Invasive Species. Refer to Exotic Species.

Inversion. A state in which the temperature of the air increases with increasing altitude and keeps the surface air and pollutants down.

Invertebrate. Animals that do not have backbones. Included are insects, spiders, mollusks (clams, snails, etc.), and crustaceans (shrimp, crayfish, etc.).

Issue. Any unsettled matter that requires a management decision (e.g., a Service initiative, opportunity, resource management problem, a threat to the resources of the unit, conflict in uses, public concern, or the presence of an undesirable resource condition).

Landbird. A category of birds that obtains at least part of their food from the land and nest in mainland areas (though some can also be found on islands). Landbirds include raptors and songbirds among others.

Landform. The physical shape of the land reflecting geologic structure and processes of geomorphology that have sculpted the structure.

Landowner: A person or entity indicated as the owner of property on the various ownership maps maintained by the Office of the County Assessor.

Lease. A legal contract by which rights to use land or water are acquired for a specified period of time for a specified rent or compensation.

Levee. An embankment along the river or other body of water that retains water within the water body.

Macroinvertebrates. Invertebrates large enough to be seen with the naked eye (e.g., most aquatic insects, snails, and amphipods).

Management Alternative. A set of objectives and the strategies needed to accomplish each objective [FWS Manual 602 FW 1.4].

Management Concern. Refer to Issue.

Marsh. A periodically wet or continually flooded area where the water is shallow enough to allow the growth of emergent vegetation; a marsh can be influenced by freshwater, tides, or both.

Marsh Habitat. Habitat that is characterized by shallow water and emergent vegetation; unless otherwise specified, this term does not apply to similar habitat found in rivers, drains, or canals.

Migration. The seasonal movement from one area to another and back.

Migratory Bird. A bird that seasonally moves between geographic areas.

Mitigation. To avoid or minimize impacts of an action by limiting the degree or magnitude of the action; to rectify the impact by repairing, rehabilitating, or restoring the affected environment; to reduce or eliminate the impact by preservation and maintenance operations during the life of the action.

Model. A mathematical formula that expresses the actions and interactions of the elements of a system in such a manner that the system may be evaluated under any given set of conditions.

Monitoring. The process of collecting information to track changes of selected parameters over time. Monitoring is necessary to identify, track and analyze results of management actions at the Refuge so that future management actions may be adapted to obtain the best benefits to wildlife and habitat. See also Adaptive Management.

National Environmental Policy Act (NEPA). An act which encourages productive and enjoyable harmony between humans and their environment, to promote efforts that will prevent or eliminate damage to the environment and atmosphere, to stimulate the health and welfare of

humans. The act also established the Council on Environmental Quality. The Act requires all agencies, including the Service, to examine the environmental impacts of their actions, incorporate environmental information, and use public participation in the planning and implementation of all actions. Federal agencies must integrate NEPA with other planning requirements, and prepare appropriate NEPA documents to facilitate better environmental decision making.

National Wildlife Refuge (Refuge or NWR). A designated area of land or water or an interest in land or water within the Refuge System, including National Wildlife Refuges, Wildlife Ranges, Wildlife Management Areas, Waterfowl Production Areas, and other areas (except Coordination Areas) under Service jurisdiction for the protection and conservation of fish and wildlife.

National Wildlife Refuge System. Various categories of areas administered by the Secretary of the Interior for the conservation of fish and wildlife, including species threatened with extinction; all lands, waters, and interests therein administered by the Secretary as wildlife refuges; areas for the protection and conservation of fish and wildlife that are threatened with extinction; wildlife ranges; games ranges; wildlife management areas; or waterfowl production areas.

National Wildlife Refuge System Improvement Act of 1997 (Public Law 105-57). Under the Refuge Improvement Act, the Service is required to develop 15-year Comprehensive Conservation Plans for all National Wildlife Refuges outside Alaska. The Act also describes the six public uses given priority status within the NWRs (i.e., hunting, fishing, wildlife observation, photography, environmental education, and interpretation).

National Wildlife Refuge System Mission. "The mission of the system is to administer a National network of lands and waters for the conservation, management, and, where appropriate, restoration of the fish, wildlife, and plant resources and their habitats within the United States for the benefit of present and future generations of Americans."

Native Species. Species that normally live and thrive in a particular ecosystem.

Natural Recruitment. Plant establishment through natural processes.

Neotropical Migratory Birds. Migratory birds that breed in North America and winter in Central and South America.

No Action Alternative. An alternative under which existing management would be continued.

Notice of Intent (NOI). A notice that is published in the Federal Register announcing that an Environmental Impact Statement will be prepared and considered for a specific action.

Objective. An objective is a concise target statement of what will be achieved, how much will be achieved, when and where it will be achieved, and who is responsible for the work. Objectives are derived from goals and provide the basis for determining management strategies. Objectives should be attainable and time-specific and should be stated quantitatively to the extent possible. If objectives cannot be stated quantitatively, they may be stated qualitatively.

One-Hundred-Year Floodplain. The relatively flat portion of the river channel that has a one percent chance of being inundated by flood water in any given year.

Opportunities. Potential solutions to issues.

Ordinary High Water Mark. That line on the shore established by the fluctuations of water and indicated by physical characteristics such as clear, natural line impressed on the bank, shelving, changes in the character of soil, destruction of terrestrial vegetation, the presence of litter and debris, or other appropriate means that consider the characteristics of the surrounding areas.

Outreach. Two-way communication between the Service and the public to establish mutual understanding, promote involvement, and influence attitudes and actions, with goal of improving joint stewardship of our natural resources.

Overbank Flooding. River flows that exceed the boundaries of the existing river channel and/or levees and flood adjacent areas.

Passerine Bird. A songbird or other perching bird that is in the order Passeriformes (blackbirds, crows, warblers, sparrows, and wrens for example).

Peak Flow. The maximum discharge of a stream or river during a specified period of time.

Perennial. In reference to a body of water, one that contains water year-to-year and that rarely goes dry.

Permeability. The property or capacity of porous rock, sediment, or soil to transmit water.

Personal Watercraft. Personal watercraft (PWC) are small vessels that use inboard motors to power water jet pumps. They are known by such trade names as Jet-ski, Waverunner, and Sea-Doo. Personal watercraft are high performance vessels, designed for speed.

Phenology. The life cycle of particular species.

Planning Area. The area upon which a planning effort is focused.

Planning Team. A team or group of persons working together to prepare a document. Planning teams are interdisciplinary in membership and function and generally consist of a planning team leader, refuge manager and staff biologists, a state natural resource agency representative, and other appropriate program specialists (e.g., social scientist, ecologist, recreation specialist).

Planning Unit or Unit. A single refuge, an ecologically or administratively related refuge complex, or distinct unit of a refuge. The planning unit also may include lands currently outside refuge boundaries.

Plant Association. A classification of plant communities based on the similarity in dominants of all layers of vascular species in a climax community.

Plant Community. An assemblage of plant species of a particular composition. The term can also be used in reference to a group of one or more populations of plants in a particular area at a particular point in time; the plant community of an area can change over time due to disturbance (e.g., fire) and succession.

Pollutant or Contaminant. Any introduced gas, liquid, or solid that makes a resource unfit for a specific purpose.

Polychaetes. Any of a class (Polychaeta) of chiefly marine annelid worms (such as clam worms), usually with paired segmental appendages, separate sexes, and a free-swimming trochophore larva.

Polychlorinated Biphenyls (PCBs). A mixture of individual chemicals which are no longer produced in the United States, but are still found in the environment.

Polycyclic Aromatic Hydrocarbons (PAHs). A group of over 100 different chemicals that are formed during the incomplete burning of coal, oil and gas, garbage, or other organic substances like tobacco or charbroiled meat. PAHs are usually found as a mixture containing two or more of these compounds, such as soot.

Population. All the members of a single species coexisting in one ecosystem at a given time.

Preferred Alternative. This is the alternative determined by the decision maker to best achieve the Refuge purpose, vision, and goals; contributes to the Refuge System mission, addresses the significant issues; and is consistent with principles of sound fish and wildlife management.

Prescribed Fire. The skillful application of fire to natural fuels under conditions of weather, fuel moisture, soil moisture, etc., that allows confinement of the fire to a predetermined area and produces the intensity of heat and rate of spread to accomplish planned benefits to one or more objectives of habitat management, wildlife management, or hazard reduction.

Prime Farmland. Farmland in an area or region that is considered to be the most ideal farmland based on several criteria; usually soil types and land productivity of the land are two of the most important criteria.

Priority Public Uses. Compatible wildlife-dependent recreation uses (hunting, fishing, wildlife observation and photography, and environmental education and interpretation).

Proposed Action. The Service's proposed action for Comprehensive conservation Plans.

Public. Individuals, organizations, and groups; officials of Federal, State, and local government agencies; Indian tribes; and foreign nations. It may include anyone outside the core planning team. It includes those who may or may not have indicated an interest in Service issues and those who do or do not realize that Service decisions may affect them.

Public Involvement. A process that offers impacted and interested individuals and organizations an opportunity to become informed about, and to express their opinions on Service actions and policies. In the process, these views are studied thoroughly and thoughtful consideration of public views is given in shaping decisions for refuge management.

Public Scoping: See Public Involvement.

Purpose(s) of the Refuge. The purpose of a refuge is specified in or derived from the law, proclamation, executive order, agreement, public land order, donation document, or administrative memorandum establishing, authorization, or expanding a refuge, refuge unit, or refuge subunit.

Raptor. A category of carnivorous birds, most of which have heavy, sharp beaks, strong talons, and take live prey (e.g., peregrine falcon, northern harrier). Also referred to as a bird of prey.

Record of Decision (ROD). A concise public record of decision prepared by the Federal agency, pursuant to NEPA, that contains a statement of the decision, identification of all alternatives considered, identification of the environmentally preferable alternative, a statement as to whether all practical means to avoid or minimize environmental harm from the alternative selected have been adopted (and if not, why they were not), and a summary of monitoring and enforcement where applicable for any mitigation.

Recruitment. The annual increase in a population as determined by the proportion of surviving offspring produced during a specific period (usually expressed per year).

Refuge Goal. Refer to Goal.

Refuge Operating Needs System (RONS). A national database that contains the unfunded operational needs of each refuge. The Service includes projects required to implement approved plans and meet goals, objectives, and legal mandates.

Refuge Purposes. Refer to Purposes of a Refuge.

Refuge Revenue Sharing Program. Provides payments to counties in lieu of taxes using revenues derived from the sale of products from refuges.

Refuge Use. Any activity on a refuge, except administrative or law enforcement activity carried out by or under the direction of an authorized service employee.

Refuge Vision. A succinct statement of the unit's purpose and reason for being.

Restoration. The return of an ecosystem to an approximation of its former unimpaired condition.

Revetment. A facing of stone, concrete, or other material placed on a riverbank to protect it from erosion.

Rhizomes. Rootlike stem growing horizontally below the surface. The rhizome is used for food storage and can produce roots and shoots.

Riparian. Refers to an area or habitat that is transitional from terrestrial to aquatic ecosystems; including streams, lakes wet areas, and adjacent plant communities and their associated soils which have free water at or near the surface; an area whose components are directly or indirectly attributed to the influence of water; of or relating to a river; specifically applied to ecology, "riparian" describes the land immediately adjoining and directly influenced by streams. For example, riparian vegetation includes any and all plant life growing on the land adjoining a stream and directly influenced by the stream.

Riparian Area. A transitional between terrestrial and aquatic ecosystems, distinguished by gradients in biophysical conditions, ecological processes, and biota; areas through which surface and subsurface hydrology connect waterbodies with their adjacent uplands.

Riparian Habitat. Gravel bars, sand dunes, non-vegetated riverbanks, herbaceous, scrub and forested vegetation, which provides habitat for plants, macro-invertebrates, fish and wildlife.

Riverine. Freshwater wetlands and deepwater habitats within a channel containing periodically or continuously moving water. It includes wetlands with primarily or mostly submerged vegetation but does not include those wetlands with mostly emergent vegetation or shrubs and trees. This habitat encompasses a river or stream, its channel, and the associated aquatic vegetation. Can also pertain to rivers and floodplains.

Seabird. A group of birds that obtain at least some food from the ocean by traveling some distance over its surface. They also typically breed on islands and along coastal areas. Seabirds include gulls, terns, pelicans, and cormorants, among others.

Sediment. Any material, carried in suspension by water, which ultimately settles to the bottom of water courses. Sediments may also settle on stream banks or flood plains during high water flow.

Shorebirds. Long-legged birds, also known as waders, belonging to the order Charadriiformes, which use shallow wetlands and mud flats for foraging and nesting.

Soil Erosion. The wearing away of the land's surface by water, wind, ice, or other physical process.

Songbirds. A category of birds that are medium to small, perching landbirds. Most are territorial singers and migratory. (Refer also to Passerines.)

Sound Professional Judgment. A finding, determination, or decision that is consistent with principles of sound fish and wildlife management and administration, available science and resources, and adherence to the requirements of the Refuge Administration Act of 1966 (16 U.S.C. 668dd-668ee), and other applicable laws. Included in the finding, determination, or decision is a refuge manager's field experience and knowledge of the particular refuge's resources.

Species. A distinctive kind of plant or animal having distinguishable characteristics, and that can interbreed and produce young. A category of biological classification.

Species Composition. A group of species that inhabit a specific habitat type in its healthy state.

Species Diversity. Usually synonymous with "species richness," but may also include the proportional distribution of species.

Step-down Management Plan. A plan that provides specific guidance on management subjects (e.g., habitat, public use, fire, safety) or groups of related subjects. It describes strategies and implementation schedules for meeting CCP goals and objectives.

Strategy. A specific action, tool, or technique or combination of actions, tools, and techniques used to meet unit objectives.

Study Area. The area reviewed in detail for wildlife, habitat, and public use potential. For purposes of this CCP/EIS the study area includes the land and water within the approved Refuge boundary.

Sublittoral. Relating to or describing an organism living immediately below low-tide level.

Submergent Vegetation. Plants that grows completely submerged except when flowering.

Subsidence. Movement to a lower level or elevation.

Surface Water. A body of water that has its upper surface exposed to the atmosphere.

Terminus. In reference to a stream or river, its end point; where it flows into a lake or other basin.

Threatened Species (Federal). Species listed under the Endangered Species Act that are likely to become endangered within the foreseeable future throughout all or a significant portion of their range.

Tiering. The coverage of general matters in broader environmental impact statements with subsequent narrower statements of environmental analysis, incorporating by reference, the general discussions and concentrating on specific issues.

Trace Elements. Metallic elements generally occurring in trace amounts in water, including iron, manganese, copper, chromium, arsenic, mercury, and vanadium.

Turbidity. Cloudiness of a water body caused by suspended silt, mud, pollutants, or algae.

U.S. Fish and Wildlife Service Mission. "Working with others to conserve, protect, and enhance fish, wildlife, and plants and their habitats for the continuing benefit of the American people.

Understory. Shrubs and herbaceous plants that typically grow beneath larger trees or shrubs.

Upland. An area where water normally does not collect and where water does not flow on an extended basis. Uplands are non-wetland areas.

Vegetation. The composition of plant species, their frequency of occurrence, density, and age classes at a specified scale.

Vegetation Community. Refer to Plant Community.

Vegetation Type or Habitat Type. A land classification system based upon the concept of distinct plant associations.

Waterfowl. A group of birds that include ducks, geese, and swans (belonging to the order Anseriformes).

Watershed. The entire land area that collects and drains water into a river or river system.

Wetland. Land that is transitional between upland (terrestrial) and aquatic systems (greater than about 6-feet deep) where the water table is usually at or near the surface or the land is covered by shallow water.

Wetland Habitat. Habitat provided by shallow or deep water (but less than 6-feet deep), with or without emergent and aquatic vegetation in wetlands. Wetland habitat only exists when and where a wetland or portion of a wetland is covered with water (visible surface water). Consequently, the size and shape of "wetland habitat" will fluctuate from season to season and year to year while the

size and shape of the "wetland" within which wetland habitat occurs will remain constant from season to season and from year to year.

Wildfire or Wildland Fire. A free-burning fire requiring a suppression response; all fire other than prescribed fire that occurs on wildlands.

Wildlife. All non-domesticated animal life; included are vertebrates and invertebrates.

Wildlife Corridor. A landscape feature that facilitates the biologically effective transport of animals between larger patches of habitat dedicated to conservation functions. Such corridors may facilitate several kinds of traffic, including frequent foraging movement, seasonal migration, or the once in a lifetime dispersal of juvenile animals. These are transition habitats and need not contain all the habitat elements required for long-term survival of reproduction of its migrants.

Wildlife-Dependent Recreational Use. "A use of a refuge involving hunting, fishing, wildlife observation and photography, or environmental education and interpretation." These are the six priority public uses of the Refuge System as established in the National Wildlife Refuge System Administration Act, as amended.

Appendix B
Distribution List

Appendix B: Distribution Lists

1. Distribution List for the Draft Comprehensive Conservation Plan/Environmental Impact Statement

The following individuals, organizations, local businesses, Tribal governments, interested media, public agencies, and elected officials received notice of the availability of the San Diego Bay National Wildlife Refuge (Sweetwater Marsh and South San Diego Bay Units) Draft Comprehensive Conservation Plan/Environmental Impact Statement (CCP/EIS).

Individuals

Acheatel, David	Beckwith, Diane	Campbell, Leon
Adams, Duane	Beh, Richard	Canedo, Karina
Adams, Lissa	Bernache, Brenda	Cantrell, Patricia
Adler, Gerrold	Bertsch, Dr. Hans	Capper, Carol Ann
Aguila, Gabriela	Biddlecome, Kelly M.	Cardenas, Josefina
Aguilar, Maricela	Biggart, Neal	Carey, Debra
Aguirre, Barbara	Bitterling, Andrea	Carpenter, Raymond
Alfaro, Monica	Bittner, Dave	Carson, Susan & Webb
Allds, Richard	Boland, John	Carvajal, Joseph
Almanza, Lindsay	Bonamassa, Lois	Casady, Derek & Nancy
Amador, Luz	Borrelli, Rosie	Case, Ted J.
Anderson, Barbara	Borzik, Joette	Cassedy, Marilyn & Tim
Anderson, John	Bourne, Helen	Cassidy, Nancy
Ansley, Wayne	Bowlby, Eric	Cavanaugh, Jim
Armour, Mike	Bowling, Dennis	Cave, Mrs. Judith
Arzola, Raul	Boyer, David	Celso, Juanito
Ayala, Leticia	Boze, Bob & Sheryl	Cerda, Irma
Backal, Jack	Brady, Kristine	Chacez, Lisa
Baclagan, Cynthia	Bragg, Lorie	Charvet, Jan
Baird, Terry	Bransford, Jack	Chase, C.D.
Ball, Alan	Breslauer, Ann	Cherney, Dan
Ballis, Douglas	Brienza, David	Chesser, Tammy
Barienbrock, Gordon	Brienza, Ralph	Christian, Maria
Barlow, Michelle	Bruce, Arlette	Christianson, Jack
Barmann, Mark & Jan	Buffett, Brad	Christopherson, I. M.
Barnes, Bruce	Bulizak, Rose	Clark, Maxine
Barnes, Lynnette	Burkhart, Brad	Cline, C.
Barnum, PhD Douglas	Burleson, Charlene	Cline, Sandra
Barrows, Karen	Burns, Jim	Clopp, David
Barsz, Bill	Burrascano, Cindy	Coatsworth, Jim
Bartell, Richard	Butler, Liza	Collins, Asa
Batze, Bonnie	Butts, Nancy	Collins, Dr. Charles
Baumgardner, John	Byington, Cindy	Collins, Dr. Tom
Beam, Craig	Cagle, Fred	Conrad, Jim
Beck, Michael	Camozzi, Josie	Cook, Shirley

Cooke, Patti	Ekker, Tracey	Guerry, Melyssa
Copelan, Jerome	Ellis, Joseph M.	Guilmette, Judy
Copper, Elizabeth	Emerson, Lawrence	Gutierrz, Allison
Correnti, Ruth	Engebretson, Pam	Haas, Jeremy
Cousino, Don	Esparza, Fred	Hakes, William & Joanne
Cowling III, William	Eva, Tania	Hall, Frances
Cox Cheryl	Evans, Joyce	Hallman, Lynn
Crabb David	Evans, Michael U.	Hanna, Gail
Cramer, Cynthia	Fagan, Kathleen	Hanson, Bruce
Crane, Jeane	Farrington, Kurt & Jacki	Harmon, Wayne
Cronk, Jim	Fat, Thomas	Harshberger, Linda
Crooks, Jeff	Field, Marilyn	Harvey, Kent
Crouch, Laura	Fiore, David	Hatfield, Al
Cruz, Arnie	Fisetton, Michael	Hemmingsen, Barbara
Cuevas, Claudia	Fisher, Dr. Robert	Henderson, Teresa
Curran, Gloria	Fisher, Robert A.	Herd, Herman & Greida
Dale, Jenica	Flom, Beryl	Hernandez, Adam
Dang, Emily	Flores II, Rodolfo D	Hernandez, Augustine
Daugherty, Jim & Linda	Flores, Kevin	Hernandez, Cinthia
Davenport, Robert E.	Ford, Richard	Hess, Carleen
Davis, Bill & Shannon	Fowler, Russell	Hewitt, Cliff
De Anda, Jr. Alfonso	Franks, Dr. Peter	Hills, Richard
Dederick, Art	Fraser, David	Hinton, Mel
Dedinsky, David	Freedman, Michael	Hirako, Sharon
DeLaurier, A. Chris	Friedman, Jo	Hirsch, Robert
Demarco, Darcy	Fuller, Susan	Hoadley, Janna
Dennison, Melissa	Furnya, Lyn	Hodgson, Patricia
Dibello-Hitta, Erica	Gabara, Stanley	Hoffman, Connie
Dickerhoff, Wendy	Gaetzman, Anna	Holley, John
Dickey, Wayne	Gailband, Charles	Hope, Charles
Dodero, Mark	Galang, Daphne	Horn, Ph.D. Michael H.
Domingo, Maricar	Gallegan, Andrea	Huffman, Patricia
Donnelley, John	Gallo, Paul	Hughes, Howard
Donovan, Christine	Galvaw, Natalie	Hugill, William
Dorr, Bill	Ganster, Dr. Paul	Ikegaya, Yaz
Dougherty, Cher	Gates, James	Inman, Sheila
Dowell, Jeff	Gaylord, Tom	Inzunza, Gilbert
Draper, Sandra	Ghio, Richard	Isaacs, Pamela
Driscoll III, J. Gerald	Gilgun, Lynda	Jackson, Wanda
Driscoll, Joyce	Gill, Betsy	Jacoby, JoEllen
Driscoll, Thomas	Ginter, Kyle & Joann	Javor, Barbara
Dua, Arti	Gledhill, Fred	Jenicks, Clinton
Dudley, Joan	Godshalk, Ted & Margaret	Jeter, Vicky
Dudley, Marilyn	Goethe, Wayne	Jimenez, Lupita
Dumka, Gabrielle & Will	Goldman, Gayle	Johnson, Deborah
Durazo, Laura	Gomez, David	Johnson, Elizabeth
Eastman, Joel	Good, Deborah	Johnson, William
Edwards, Claude	Goodrich, Roberta	Johnston, Jan
Edwards, Willard	Gormican, Sue	Jones, Marilyn
Ehrlich, Shara	Grace, Don	Josephson, Gary
Eichenlaub Jr., Carl	Griffith, Theodore	Jungman, Bob

Kaupp, Stephanie	Mangan, Michele	Navarette, Henry
Kay, Isabelle	Mangum, Stephen	Neilsen, Tom
Kellogg, Elizabeth	Marogy, Danny	Nelson, Harry
Kelly, James	Marquez, Viviane	Nelson, Larry & Gail
Kelpin, Paul	Martel, Lynn	Nemo, William
Ketchum, R. Kevin	Martinez, Claudia	Nerz, Mathew
Kilpatrick, R.	Martinez, Manuel	Nicholas, Peter
Klein, Michael	Martinez, Melanie	Nichols, Jean
Klovstad, Ann	Matticola, Phil	Nichols, Wallace
Knight, Debarah	Matto, Elizabeth	Nielsen, Thomas
Knight, John	Maudsley, Clare H.	Norberg, Robert
Koehler, Terry	Mautino, John	Nordby, Chris
Kraft, Mark & Vicki	Mazur, Zeke	North, Susan
Kravitz, Ed	Mazzola, Mary Ellen	Nunez, Antonio
Kriet, Paul & Shirley	Mazzoni, Joe	Odermatt, Mary
Kuck, Beverly	Mcafee, Allen	Opdycke, Jeff
Kuger, Christine	McClelland, David	Opel, Don
Lacy, Gordon & Ruth	McColl, Anne	O'Rourke, Ruth
Lalas, John	McCoy, Mike	Ortiz, Luzette
Lamb, David	McDonald, Robert	Osterberg, Brian
Landess, Stan	McIntosh, Judy	Owen, Wayne
Lara, Joe	McKirnan, Dan	Palencia, Raejean
Law, Mony	McMaster, Tim	Palomino, Luz
Ledinsky, David	Meade, Jane & Pike	Panos, Harry
Lehnert, Pat	Mendez, Tanya	Pappas, Tammy
Leising, Adam	Merkel, Keith	Paris, Heidi
Lelie, Herman & David	Michitzie, Rita	Parker, Holly
Lemmo, John	Miller, Jr. James	Parr, Terry
Leonardini, T. & K.	Mock, Dr. Patrick	Parystone, Stevan
Leslie, Eric	Moe, Dami	Patel, Hemant
Leslie, Gilda & James	Moe, Frank & Rhonda	Patton, Robert
Levin, Dr. Lisa	Molino, M & Elena	Pentis, Al & Mary Anne
Lindquist, Mike	Molloy, Marie	Pepper, David
Lineham, Marsha & Bob	Monroe, Dana	Perez, Rocio
Lissner, Andrew	Monroe, Phil	Perez, Alberto
Littleton, Phyllis	Monsees, Edith Helen	Peters, Clarke
Lockhart, Sharon	Moon, Owen	Petitt, Terrance
Loftin, Martin	Moore, Dorean & Donald	Pettit, Josephine
Logsdon, William	Morgan, Jack	Peugh, Allen
Lorenzen, Fred	Morris, Paul	Peugh, Jim & Barbara
Loustalet, George	Moscowski, Steven	Phillips, Mike
Lowery, Tony	Mosher, Mary	Phipps, Louise
Lubach, C.	Moss, Marsha & Bob L.	Piagentini, Dario
Lynch, Reve	Movido, Jennifer	Picha, Lennis
Lyons, Mik	Moya, Maria	Pickey, Wayne
Maas, Phyllis	Mueller, Antoinette	Pierce, Nuri
Macias, Luis	Muir, Marquerite	Pierpoint, William
Mack, Callie	Mulligan, Jill	Plant, Edward
Maffei, Wes	Munguia, Leticia	Player, Shannon
Malley, Tom	Munoz, Olivia	Potter, Cathy
Mandel, Mark	Mutnick, Amanda Holley	Powers, Carolyn

Price, Megan	Schulman, Melvyn	Taylor, Harriet
Pryde, Dr. Philip	Scott, Doug	Terrazas, Octavio
Puentes, Cesar	Scruggs, Jennifer	Terrones, Victor
Pulver, Sarita	Seay, David"	Thomas, Teresa
Purnell, Lorraine	Severns, Ken	Thorbjarnarson, Kathryn
Quick, Terri	Shaw, Marlene & Walter	Tierney, Ryan
Radinovsky, Syd/Kathy	Shenk, Art	Tindall, Russell
Ramirez, Elias	Shepard, Joyce	Tirado, Victor
Ramshursa, Jimmy	Sherman, Craig	Torbett, Glenn
Ratigan, Dr. Diane	Sherman, Fred	Torres, Roy
Rees, Jim	Shirely, Ellen	Treppa, Ray
Reynolds, Nick & Leslie	Shively, Sandra	Trusty, Wendy
Rheaume, Christine	Sides, James	Tunstall, Bill
Richard, Lucille	Sierra, Arsenio	Turner, Brian
Rippel, Tasi	Silliman, Ann	Uybungco, Ginny
Robby, Lister	Simmons, Skeet	Van Inwegen, Earl
Roberts, Bes	Simpson, Victoria	Vaught, Brent
Roberts, Gail	Slahuddin, A. & N.	Verbanal, Steve
Robertson, Keith	Sloane, Florence	Verdugo, Carmen
Robertson, Kenneth	Smith, David	Victoria, Lorena
Robey, Steve	Smith, Gene	Vitalich, Nicholas
Rocha, Rebecca	Smith, Rodney	Vlassoff, Lt.
Rodriguez, Eliz./Rosa	Smith, Susan	Vonnordheim, Randy
Rodriguez, Sandra	Smith, Teri	Wadham, Robert/Cecile
Roe, Bill and Laura	Smothers, Ph.D. D'erdra	Wages, Kent
Rogers, William	Solis, Rolando & Linda	Wagner, Pat
Rolfe, Allison	Somers, Don	Waldrop, Kathy
Romero, Connie	Somerville, Jan	Wall, Ariadna
Roppe, Bea	Spencer, Ms. Glen	Walters, Courtney
Rosser, Anne	Sproul, Fred	Wasserman, Amalia
Roullard, Phil	Stand, Todd	Watry, Peter
Rowe, Reid	Stanton, Linda	Watson, Becky
Ryan, Jon	Stearns, Myra	Webb, Keith
Ryno, Marian	Steinhoff, Gean	Weinberg, Jon
Sackett, Richard	Stevens, Janet	Welch, Shirley
Sanchez, Frank	Steward, Dan	West, Carl
Sandoval, Rafael Bahena	Stewart, Gail	Widmann, Sabina
Sands, Jim	Stewart, Lorin	Wilks Iii, John E.
Sannicolas, Mecaila	Stickel, Tracy	Willet, John
Sansone, Larry	Stinson, Margie	Williams, Georgetta
Santos, Ramon	Strickland, Carl	Wilson, Deborah
Sarmiento, Mary & Steve	Swanson Jr., Robert	Wilson, Lee
Sarvis, Laura	Sweeney, Marjorie	Winter, Mayda
Sau, Luis	Swift, Mitzi	Wolf, Joy
Scheid, Betty J	Sylvester-Gallo, Alice	Wolf, Shaura
Scheidt, Vince	Syrjala, Edward S.	Wollitz, Bruce
Schmersal, Walter	Taliaferro, Frank	Wu, Julian
Schmidt, Brigitte	Tange, Lora	Ymzon, Randy
Schneider, Carrie	Tapia, Esther	Yoder, Inez
Schroeter, Steve	Taubbitz, Fredericka	Young, Arnold
Schulenberg, Judy	Taylor, Donald	Young, Herb

Young, R. & G.
Youngberg, Martha
Zamisch, Art & Jan
Zanoni, Richard

Zeljecnjak, Marilyn
Zemal, Dick
Zetwo, Michelle
Ziegler, Dean

Zitlally, Reta
Zschiesche, Peter

Local Libraries

Chula Vista Public Libraries
 Civic Center Branch
 South Chula Vista Branch
Coronado Public Library
Imperial Beach Library
National City Library
City of San Diego Public Libraries
 Central Library, Gary Klockenga, Government Publications Librarian
 Logan Heights Branch Library
 Otay Mesa Branch Library
 Paradise Hills Branch Library

Organizations

American Tunaboat Association	Environmental Advocates
Animal Protection Institute (C. Papouchis)	Environmental Committee of Tijuana - S.D. Region
Aqua Adventures, Kayak Center	Environmental Warriors
ATSF Railway	Fiddler's Cove Marina
Buena Vista Audubon	Friends of South Bay Wildlife
Burlington Northern Santa Fe	Glorietta Bay Marina
Cabrillo Isle Marina LLC	Habitat Mitigation Committee
California Native Plant Society	Hornblower Dining Yachts
California Waterfowl Association	Horned Lizard Conservation Society
California Yacht Marina	Imperial Beach Chamber of Commerce
Camp Surf	Kelco Company
Center for Biological Diversity	La Playa Yacht Club
Center for Conservation Strategies	League for Coastal Protection
Charles Company	Luce, Forward, Hamilton, & Scripps
Chula Vista Chamber of Commerce	Manchester Resorts LP
Chula Vista Nature Center	Mariner's Point
Citizens Coordinate for Century 3	Maritime Museum Association of San Diego
Congressional Sportsmen's Foundation	Mission Bay Paddle Sports
Conservation Biology Institute	National Audubon Society
Cooperative Alliance for Refuge Enhancement	National City Chamber of Commerce
Coronado Cays Home Owners Association	National Fish and Wildlife Foundation
Coronado Chamber of Commerce	National Wildlife Federation, Western
Crest/Dehesa/Harbison Canyon	Natural Resources Center
Crossroads II	National Wildlife Refuge Association
Defenders of Wildlife	Navy Sailing Center
Downtown San Diego Partnership	Ocean Research International
Ducks Unlimited Inc.	Otay Mesa/Nestor Planning Group
Duke Energy North America	Otay Valley Regional Park Committee
Eagle Survey Project	Outboard Boating Club of San Diego
Endangered Habitats League	Pacific Bell
Environmental Health Coalition	Palomar Audubon

Point Reyes Bird Observatory
Port Coronado Association
Procopio, Cary, Hargreaves, & Savitch
San Diego Archaeological Society
San Diego Association of Realtors
San Diego Association of Yacht Clubs
San Diego Audubon Society
San Diego Bay Committee
San Diego Baykeeper
San Diego Chamber of Commerce
San Diego Council of Divers, Inc.
San Diego County Farm Bureau
San Diego County Fish and Game
Association
San Diego County Fish and Wildlife
Advisory Commission
San Diego Harbor Excursion
San Diego Herp Society
San Diego Jet Sports Club
San Diego League of Women Voters
San Diego Natural History Museum
San Diego Oceans Foundation
San Diego Personal Watercraft Association
San Diego Railway Partnership

San Diego River Park Foundation
San Diego Yacht Club
Save Our Bay Inc.
SDG&E, Public Affairs
Sheppard, Mullin, Richter, & Hampton LLP
Sierra Club, San Diego Chapter
South Bay Area Focus Team
South Bay Boat Yard
South Bay Salt Works
Southwestern Wetlands Interpretive
Association
Southwestern College Sailing
Southwestern Yacht Club
Sportfishing Association of California
Surfrider Foundation, San Diego Chapter
Sweetwater Planning Group
The Nature Conservancy
The Wilderness Society
TRVEA
United Sportsfishers of San Diego
WHSRN Manomet Center for Conservation
Sciences
Wild Coast
Wildlife Management Institute

Media

Eagle Newspapers
Imperial Beach Eagle & Times
San Diego Business Journal
San Diego Daily Transcript

San Diego Log
San Diego Union-Tribune
Star News

City Governments

City of Chula Vista, Mayor and City Council
City of Chula Vista, City Manager
City of Chula Vista, Director, Community Development
City of Chula Vista, Planning Director
City of Chula Vista, Police Department
City of Chula Vista, Redevelopment Projects Manager
City of Coronado, Mayor and City Council
City of Coronado, City Manager
City of Coronado, Director of Community Development
City of Imperial Beach, Mayor and City Council
City of Imperial Beach, City Manager
City of Imperial Beach, Community Development Director
City of Imperial Beach, Public Works Director
City of Imperial Beach, Planning Department
City of National City, Mayor and City Council
City of National City, City Manager
City of National City, Community Development
City of National City, Planning Director
City of San Diego, Mayor and City Council

City of San Diego, City Manager
City of San Diego, Community Planning
City of San Diego, Engineering and Capital Projects
City of San Diego, Environmental Services
City of San Diego, Metropolitan Wastewater
City of San Diego, Multiple Species Conservation Planning
City of San Diego, Park and Recreation Department
City of San Diego, Police Department
City of San Diego, Real Estate Assets Department

County Government

San Diego County Supervisor Greg Cox
San Diego County Supervisor Dianne Jacob
San Diego County Supervisor Ron Roberts
County of San Diego, Real Property Division
County of San Diego, Environmental Health Services
County of San Diego, Parks and Recreation Department
County of San Diego, Department of Planning and Land Use
County of San Diego, Department of Public Works

Other Local Agencies

California American Water Company
Center City Development Corporation - Public Works Department
Harbor Patrol, Dave Hall, Chief of Harbor Police
International Border Water Commission
Metropolitan Transit Development Board (MTDB)
Otay Water District
San Diego County Airport Authority
San Diego Association of Governments (SANDAG)
South Bay Irrigation District
Sweetwater Authority
Tijuana Valley Company Water District
Unified Port of San Diego

California State Agencies

Cal EPA
California Coastal Commission, Executive Director, Peter Douglas
California Coastal Commission, Federal Consistency, James Raives
California Coastal Commission, San Diego Coast District
California Coastal Conservancy
California Department of Forestry
California Fish and Game Commission
California State Parks, State Historic Preservation Officer
California State Parks, Superintendent, Ronilee Clark
Caltrans, District 11
Department of Boating and Waterways, Director, Raynor T. Tsuneyoshi
Department of Conservation
Department of Fish and Game, Director, Ryan Broddrick
Department of Fish and Game, Marilyn Fluharty
Department of Fish and Game, South Coast Regional Manager, Charles Raysbrook

Resources Agency, Secretary, Mike Chrisman
San Diego Regional Water Quality Control Board, Region 9, Executive Officer, John Robertus
San Diego Regional Water Quality Control Board, Region 9, Pete Michael
State Lands Commission, Executive Officer, Paul Thayer
State Water Resources Control Board, Arthur G. Baggett Jr., Chair
Wetlands Recovery Project
Wildlife Conservation Board

Tribal Governments

Barona Band of Mission Indians
Campo Band of Mission Indians
Cuyapaipe Community of Diegueno Mission Indians
Inaja Band of Mission Indians
Jamul Indian Village
La Jolla Band of Luiseno Indians
La Posta Band of Mission Indians
Los Coyotes Reservation
Manzanita Tribe of Kumeyaay Indians
Mesa Grande Band of Indians
Pala Band of Mission Indians
Pauma Band of Mission Indians
Rincon Indian Reservation
San Pasqual Band of Indians
Santa Ysabel Indian Reservation
Sycuan Band of Indians
Viejas Reservation
Carmen Lucas
Jim Velasques
Kumeyaay Cult. Repatriation Committee
Kumeyaay Cultural Heritage Preservation
Kumeyaay Cultural Historic Committee

Federal Agencies & Offices

EIS Filing Section US Environmental Protection Agency, Office of Federal Activities
FAA - ARPT DIV AWP-600
National Interagency Fire Center
NOAA Marine Fisheries, Bob Hoffman
U.S. Army, Corps of Engineers
U.S. Border Patrol, San Diego Sector
U.S. Coast Guard, Marine Safety Office
U.S. Coast Guard, Port Operations
U.S. Department of the Interior, Office of Environmental Policy and Compliance, Phyllis Davis
U.S. Department of Transportation, Federal Highway Administration
U.S. Environmental Protection Agency, Paul Michael
U.S. Environmental Protection Agency, Region 9
U.S. Geological Survey
U.S. Navy, Naval Facilities Engineering Command
U.S. Navy, Southwest Division, NAVFAC, Natural Resources Department, Mitch Perdue
U.S. Navy, Southwest Division, NAVFAC, Natural Resources Department, Tamara Conkle
USDA, APHIS, Wildlife Services, District Supervisor, John Turman
USDA, Natural Resource Conservation District of Greater San Diego County

USFWS

Bellantoni, Liz, USFWS, Chief, Planning and Policy
Bohan, Carolyn, USFWS, National Wildlife Refuge System
Bortner, Brad, USFWS, Migratory Birds & Habitat Programs
Concannon, Julie, USFWS, Region 1, NEPA Coordinator
Drescher, Dave, USFWS, Region 1, Refuge Planning-Cartography/GIS
Fuller, Nell, USFWS, Region 1, Refuge Support, Policy
Hadley, Richard, USFWS, CNO, Assistant Refuge Supervisor
Harrison, Ben, USFWS, Region 1, Land Protection Planning
Harrison, Jean, USFWS, Region 1, Division of Visitor Services
Houghten, Chuck, USFWS, Division of Refuge Planning
Kier-Haggenjos, Kay, USFWS, Region 1, Division of Refuge Planning
Kilbride, Kevin USFWS Refuge Biology
Kolar, Marge, USFWS, Assistant Manager of Refuges
Marxen, Mike, USFWS, Region 1, Division of Refuge Planning
McAdams, Amanda, USFWS, Fire Planner
Moore, Stephen USFWS, Region 1, Refuge Operations Support
Paveglio, Fred USFWS, Refuge Biology
Pavusko, Gary, USFWS, CNO, Fire Management Officer
Pelz, Mark USFWS CA/NV Refuge Planning
Rauch, Paul, USFWS, Engineering
Raymond, Anan, USFWS, Region 1, Cultural Resources Team
Saul, Susan, USFWS, External Affairs Office
Shaffer, Robert, USFWS, Joint Venture Coordinator
Sheppard, Cathy, USFWS, Region 1, Division of Realty
Smiley, Tom, USFWS, Engineering
Sobiech, Scott USFWS, Contaminants
Speulda, Lou Ann, USFWS, Cultural Resources Branch
Thompson, Steve, USFWS, Manager
Walsworth, Dan, USFWS, Refuge Supervisor
Zimmerman, Tara, USFWS, Migratory Birds & Habitat Programs

U.S. Congress

Honorable Barbara Boxer, U.S. Senate
Honorable Dianne Feinstein, U.S. Senate
Congresswoman Susan Davis, 53th District
Congressman Bob Filner, 51th District

California State Legislature

Governor Arnold Schwarzenegger
Lieutenant Governor Cruz Bustamante
State Senator Dede Alpert, 39th District
State Assemblyman Juan Vargas, 79th District
State Assemblywoman Christine Kehoe, 76th District
State Assemblywoman Shirley Horton, 78th District

2. Distribution List for the Final Comprehensive Conservation Plan/Environmental Impact Statement

The individuals, organizations, local businesses, Tribal governments, interested media, public agencies, and elected officials listed above as receiving notification of the draft CCP/EIS also received notice of the availability of the Final CCP/EIS unless they were subsequently removed from the distribution list at their request or because the Post Office was unable to deliver a notice to the address of record. The following additional individuals and other interested parties received notice of the availability of the Final CCP/EIS.

California State Legislature

State Senator Christine Kehoe, 39th District

State Assemblywoman Lori Saldana, 76th District

Organizations

Johnson & Hanson LLP

Individuals

Brian Foster

Kirsten Winter

Guy McCaskie

Therese Clawson

Kenneth Weaver

Susan Yamagata

Jack Daynes

Nils Warnock

Theresa Jancek

B. Sachau

The following libraries were provided with a complete set of the Final CCP/EIS:

Chula Vista Public Libraries

Civic Center Branch

South Chula Vista Branch

Coronado Public Library

Imperial Beach Library

National City Library

City of San Diego Public Libraries

Central Library, Gary Klockenga, Government Publications Librarian

Otay Mesa Branch Library

Appendix C

Bird Species Lists

Appendix C: Bird Species Lists

The following lists include bird species that have been observed at least once on the specified Refuge Unit. The birds' common and scientific names are provided in accordance with the 7th edition (1998) of the A. O. U. Checklist of North American Birds. (* Indicates bird species known to nest on the refuge.)

Sweetwater Marsh Unit

<u>Common Name</u>	<u>Scientific Name</u>
Red-throated Loon	<i>Gavia stellata</i>
Pacific Loon	<i>Gavia pacifica</i>
Common Loon	<i>Gavia immer</i>
Pied-billed Grebe	<i>Podilymbus podiceps</i>
Horned Grebe	<i>Podiceps auritus</i>
Eared Grebe	<i>Podiceps nigricollis</i>
Western Grebe	<i>Aechmophorus occidentalis</i>
Clark's Grebe	<i>Aechmophorus clarkii</i>
American White Pelican	<i>Pelecanus erythrorhynchos</i>
Brown Pelican	<i>Pelecanus occidentalis</i>
Double-crested Cormorant	<i>Phalacrocorax auritus</i>
Pelagic Cormorant	<i>Phalacrocorax pelagicus</i>
Great Blue Heron	<i>Ardea herodias</i>
Great Egret	<i>Ardea alba</i>
Snowy Egret	<i>Egretta thula</i>
Little Blue Heron	<i>Egretta caerulea</i>
Tricolored Heron	<i>Egretta tricolor</i>
Reddish Egret	<i>Egretta rufescens</i>
Green Heron	<i>Butorides virescens</i>
Black-crowned Night Heron	<i>Nycticorax nycticorax</i>
White-faced Ibis	<i>Plegadis chihi</i>
Turkey Vulture	<i>Cathartes aura</i>
Snow Goose	<i>Chen caerulescens</i>
Ross's Goose	<i>Chen rossii</i>
Canada Goose	<i>Branta Canadensis</i>
Brant	<i>Branta bernicla</i>
Gadwall	<i>Anas strepera</i>
Eurasian Wigeon	<i>Anas penelope</i>
American Wigeon	<i>Anas americana</i>
Mallard	<i>Anas platyrhynchos</i>
Blue-winged Teal	<i>Anas discors</i>
Cinnamon Teal	<i>Anas cyanoptera</i>
Northern Shoveler	<i>Anas clypeata</i>
Northern Pintail	<i>Anas acute</i>
Green-winged Teal	<i>Anas crecca</i>
Canvasback	<i>Aythya valisineria</i>
Redhead	<i>Aythya americana</i>

Ring-necked Duck	<i>Aythya collaris</i>
Greater Scaup	<i>Aythya marila</i>
Lesser Scaup	<i>Aythya affinis</i>
Surf Scoter	<i>Melanitta perspicillata</i>
White-winged Scoter	<i>Melanitta fusca</i>
Black Scoter	<i>Melanitta nigra</i>
Long-tailed Duck	<i>Clangula hyemalis</i>
Bufflehead	<i>Bucephala albeola</i>
Common Goldeneye	<i>Bucephala clangula</i>
Hooded Merganser	<i>Lophodytes cucullatus</i>
Red-breasted Merganser	<i>Mergus serrator</i>
Ruddy Duck	<i>Oxyura jamaicensis</i>
Osprey	<i>Pandion haliaetus</i>
White-tailed Kite	<i>Elanus leucurus</i>
Bald Eagle	<i>Haliaeetus leucocephalus</i>
Northern Harrier	<i>Circus cyaneus</i>
Sharp-shinned Hawk	<i>Accipiter striatus</i>
Cooper's Hawk	<i>Accipiter cooperii</i>
Red-shouldered Hawk	<i>Buteo lineatus</i>
Swainson's Hawk	<i>Buteo swainsoni</i>
Red-tailed Hawk	<i>Buteo jamaicensis</i>
Ferruginous Hawk	<i>Buteo regalis</i>
Golden Eagle	<i>Aquila chrysaetos</i>
Crested Caracara	<i>Caracara cheriway</i>
American Kestrel*	<i>Falco sparverius</i>
Merlin	<i>Falco columbarius</i>
Peregrine Falcon	<i>Falco peregrinus</i>
Prairie Falcon	<i>Falco mexicanus</i>
California Quail	<i>Callipepla californica</i>
Light-footed Clapper Rail*	<i>Rallus longirostris levipes</i>
Virginia Rail	<i>Rallus limicola</i>
Sora	<i>Porzana Carolina</i>
Common Moorhen	<i>Gallinula chloropus</i>
American Coot	<i>Fulica americana</i>
Black-bellied Plover	<i>Pluvialis squatarola</i>
Pacific-golden Plover	<i>Pluvialis fulva</i>
Western Snowy Plover*	<i>Charadrius alexandrinus nivosus</i>
Semipalmated Plover	<i>Charadrius semipalmatus</i>
Killdeer*	<i>Charadrius vociferous</i>
Mountain Plover	<i>Charadrius montanus</i>
Black-necked Stilt	<i>Himantopus mexicanus</i>
American Avocet	<i>Recurvirostra americana</i>
Greater Yellowlegs	<i>Tringa melanoleuca</i>
Willet	<i>Tringa semipalmatus</i>
Lesser Yellowlegs	<i>Tringa flavipes</i>
Spotted Sandpiper	<i>Actitis macularia</i>
Whimbrel	<i>Numenius phaeopus</i>
Long-billed Curlew	<i>Numenius americanus</i>
Marbled Godwit	<i>Limosa fedoa</i>

Ruddy Turnstone	<i>Arenaria interpres</i>
Black Turnstone	<i>Arenaria melanocephala</i>
Surfbird	<i>Aphriza virgata</i>
Red Knot	<i>Calidris canutus</i>
Sanderling	<i>Calidris alba</i>
Semipalmated Sandpiper	<i>Calidris pusilla</i>
Western Sandpiper	<i>Calidris mauri</i>
Least Sandpiper	<i>Calidris minutilla</i>
Dunlin	<i>Calidris alpina</i>
Stilt Sandpiper	<i>Calidris himantopus</i>
Ruff	<i>Philomachus pugnax</i>
Short-billed Dowitcher	<i>Limnodromus griseus</i>
Long-billed Dowitcher	<i>Limnodromus scolopaceus</i>
Common Snipe	<i>Gallinago gallinago</i>
Wilson's Phalarope	<i>Phalaropus tricolor</i>
Red-necked Phalarope	<i>Phalaropus lobatus</i>
Parasitic Jaeger	<i>Stercorarius parasiticus</i>
Franklin's Gull	<i>Larus pipixcan</i>
Bonaparte's Gull	<i>Larus philadelphia</i>
Heermann's Gull	<i>Larus heermanni</i>
Mew Gull	<i>Larus canus</i>
Ring-billed Gull	<i>Larus delawarensis</i>
California Gull	<i>Larus californicus</i>
Herring Gull	<i>Larus argentatus</i>
Thayer's Gull	<i>Larus thayeri</i>
Western Gull	<i>Larus occidentalis</i>
Glaucous-winged Gull	<i>Larus glaucescens</i>
Black Skimmer	<i>Rynchops niger</i>
California Least Tern*	<u><i>Sternula antillarum</i></u>
Gull-billed Tern	<u><i>Gelochelidon nilotica</i></u>
Caspian Tern	<u><i>Hydroprogne caspia</i></u>
Forster's Tern*	<i>Sterna forsteri</i>
Royal Tern	<u><i>Thalasseus maximus</i></u>
Elegant Tern	<u><i>Thalasseus elegans</i></u>
Rock Dove	<i>Columba livia</i>
Mourning Dove*	<i>Zenaidura macroura</i>
Greater Roadrunner	<i>Geococcyx californianus</i>
Barn Owl	<i>Tyto alba</i>
Great Horned Owl	<i>Bubo virginianus</i>
Burrowing Owl*	<i>Athene cunicularia</i>
Short-eared Owl	<i>Asio flammeus</i>
Lesser Nighthawk	<i>Chordeiles acutipennis</i>
Common Nighthawk	<i>Chordeiles minor</i>
Vaux's Swift	<i>Chaetura vauxi</i>
White-throated Swift	<i>Aeronautes saxatalis</i>
Black-chinned Hummingbird	<i>Archilochus alexandri</i>
Anna's Hummingbird*	<i>Calypte anna</i>
Costa's Hummingbird*	<i>Calypte costae</i>
Rufous Hummingbird	<i>Selasphorus rufus</i>
Allen's Hummingbird	<i>Selasphorus sasin</i>
Belted Kingfisher	<i>Ceryle alcyon</i>

Northern Flicker	<i>Colaptes auratus</i>
Western Wood-Pewee	<i>Contopus sordidulus</i>
Willow Flycatcher	<i>Empidonax traillii</i>
Pacific-slope Flycatcher	<i>Empidonax difficilis</i>
Black Phoebe	<i>Sayornis nigricans</i>
Say's Phoebe	<i>Sayornis saya</i>
Ash-throated Flycatcher	<i>Myiarchus cinerascens</i>
Cassin's Kingbird	<i>Tyrannus vociferans</i>
Western Kingbird	<i>Tyrannus verticalis</i>
Loggerhead Shrike*	<i>Lanius ludovicianus</i>
Blue-headed Vireo	<i>Vireo solitarius</i>
Warbling Vireo	<i>Vireo gilvus</i>
Western Scrub Jay	<i>Aphelocoma californica</i>
American Crow	<i>Corvus brachyrhynchos</i>
Common Raven	<i>Corvus corax</i>
Magpie Jay	<i>Calocitta formosa</i>
Horned Lark*	<i>Eremophila alpestris</i>
Tree Swallow	<i>Tachycineta bicolor</i>
Violet-green Swallow	<i>Tachycineta thalassina</i>
Northern Rough-winged Swallow	<i>Stelgidopteryx serripennis</i>
Cliff Swallow	<i>Petrochelidon pyrrhonota</i>
Barn Swallow	<i>Hirundo rustica</i>
Bushtit*	<i>Psaltriparus minimus</i>
Cactus Wren	<i>Campylorhynchus brunneicapillus</i>
Bewick's Wren*	<i>Thryomanes bewickii</i>
House Wren	<i>Troglodytes aedon</i>
Marsh Wren	<i>Cistothorus palustris</i>
Ruby-crowned Kinglet	<i>Regulus calendula</i>
Blue-gray Gnatcatcher	<i>Polioptila caerulea</i>
California Gnatcatcher	<i>Polioptila californica</i>
Mountain Bluebird	<i>Sialia currucoides</i>
Swainson's Thrush	<i>Catharus ustulatus</i>
Hermit Thrush	<i>Catharus guttatus</i>
American Robin	<i>Turdus migratorius</i>
Wrentit	<i>Chamaea fasciata</i>
Northern Mockingbird*	<i>Mimus polyglottos</i>
Sage Thrasher	<i>Oreoscoptes montanus</i>
California Thrasher	<i>Toxostoma redivivum</i>
European Starling*	<i>Sturnus vulgaris</i>
Red-throated Pipit	<i>Anthus cervinus</i>
American Pipit	<i>Anthus rubescens</i>
Cedar Waxwing	<i>Bombycilla cedrorum</i>
Phainopepla	<i>Phainopepla nitens</i>
Orange-crowned Warbler	<i>Vermivora celata</i>
Nashville Warbler	<i>Vermivora ruficapilla</i>
Yellow Warbler	<i>Dendroica petechia</i>
Magnolia Warbler	<i>Dendroica magnolia</i>
Yellow-rumped Warbler	<i>Dendroica coronata</i>
Black-throated Gray Warbler	<i>Dendroica nigrescens</i>
MacGillivray's Warbler	<i>Oporornis tolmiei</i>
Common Yellowthroat	<i>Geothlypis trichas</i>

Wilson's Warbler	<i>Wilsonia pusilla</i>
Western Tanager	<i>Piranga ludoviciana</i>
Green-tailed Towhee	<i>Pipilo chlorurus</i>
Spotted Towhee	<i>Pipilo maculatus</i>
California Towhee	<i>Pipilo crissalis</i>
Vesper Sparrow	<i>Poocetes gramineus</i>
Lark Bunting	<i>Calamospiza melanocorys</i>
Savannah Sparrow	<i>Passerculus sandwichensis</i>
Belding's Savannah Sparrow*	<i>Passerculus sandwichensis beldingi</i>
Large-billed Savannah Sparrow	<i>Passerculus sandwichensis rostratus</i>
Grasshopper Sparrow	<i>Ammodramus savannarum</i>
Nelson's Sharp-tailed Sparrow	<i>Ammodramus nelsoni</i>
Song Sparrow*	<i>Melospiza melodia</i>
Lincoln's Sparrow	<i>Melospiza lincolni</i>
Swamp Sparrow	<i>Melospiza georgiana</i>
White-crowned Sparrow*	<i>Zonotrichia leucophrys</i>
Golden-crowned Sparrow	<i>Zonotrichia atricapilla</i>
Dark-eyed Junco	<i>Junco hyemalis</i>
Blue Grosbeak	<i>Guiraca caerulea</i>
Lazuli Bunting	<i>Passerina amoena</i>
Red-winged Blackbird	<i>Agelaius phoeniceus</i>
Tricolored Blackbird	<i>Agelaius tricolor</i>
Western Meadowlark*	<i>Sturnella neglecta</i>
Yellow-headed Blackbird	<i>Xanthocephalus xanthocephalus</i>
Brewer's Blackbird	<i>Euphagus cyanocephalus</i>
Great-tailed Grackle	<i>Quiscalus mexicanus</i>
Brown-headed Cowbird	<i>Molothrus ater</i>
Hooded Oriole	<i>Icterus cucullatus</i>
Bullock's Oriole	<i>Icterus bullockii</i>
House Finch*	<i>Carpodacus mexicanus</i>
Lesser Goldfinch	<i>Carduelis psaltria</i>
Lawrence's Goldfinch	<i>Carduelis lawrencei</i>
American Goldfinch	<i>Carduelis tristis</i>
House Sparrow*	<i>Passerculus domesticus</i>

(Source: Chula Vista Nature Center 1998 and Merkel & Associates, Inc. 2000b)

South San Diego Bay Unit

<u>Common Name</u>	<u>Scientific Name</u>
Red-throated Loon	<i>Gavia stellata</i>
Common Loon	<i>Gavia immer</i>
Pied-billed Grebe	<i>Podilymbus podiceps</i>
Horned Grebe	<i>Podiceps auritus</i>
Eared Grebe	<i>Podiceps nigricollis</i>
Western Grebe	<i>Aechmophorus occidentalis</i>
Clark's Grebe	<i>Aechmophorus clarkii</i>
American White Pelican	<i>Pelecanus erythrorhynchos</i>
Brown Pelican	<i>Pelecanus occidentalis</i>
Double-crested Cormorant*	<i>Phalacrocorax auritus</i>

Great Blue Heron	<i>Ardea herodias</i>
Great Egret	<i>Ardea alba</i>
Snowy Egret	<i>Egretta thula</i>
Little Blue Heron	<i>Egretta caerulea</i>
Tricolored Heron	<i>Egretta tricolor</i>
Reddish Egret	<i>Egretta rufescens</i>
Green Heron	<i>Butorides virescens</i>
Black-crowned Night Heron	<i>Nycticorax nycticorax</i>
White-faced Ibis	<i>Plegadis chihi</i>
Snow Goose	<i>Chen caerulescens</i>
Brant	<i>Branta bernicla</i>
Gadwall*	<i>Anas strepera</i>
American Wigeon	<i>Anas americana</i>
Mallard*	<i>Anas platyrhynchos</i>
Blue-winged Teal	<i>Anas discors</i>
Cinnamon Teal	<i>Anas cyanoptera</i>
Northern Shoveler	<i>Anas clypeata</i>
Northern Pintail	<i>Anas acute</i>
Green-winged Teal	<i>Anas crecca</i>
Redhead	<i>Aythya americana</i>
Ring-necked Duck	<i>Aythya collaris</i>
Greater Scaup	<i>Aythya marila</i>
Lesser Scaup	<i>Aythya affinis</i>
Surf Scoter	<i>Melanitta perspicillata</i>
Long-tailed Duck	<i>Clangula hyemalis</i>
Bufflehead	<i>Bucephala albeola</i>
Common Goldeneye	<i>Bucephala clangula</i>
Common Merganser	<i>Mergus merganser</i>
Red-breasted Merganser	<i>Mergus serrator</i>
Ruddy Duck	<i>Oxyura jamaicensis</i>
Osprey	<i>Pandion haliaetus</i>
White-tailed Kite	<i>Elanus leucurus</i>
Northern Harrier	<i>Circus cyaneus</i>
Sharp-shinned Hawk	<i>Accipiter striatus</i>
Cooper's Hawk	<i>Accipiter cooperii</i>
Red-tailed Hawk	<i>Buteo jamaicensis</i>
American Kestrel	<i>Falco sparverius</i>
Merlin	<i>Falco columbarius</i>
Peregrine Falcon	<i>Falco peregrinus</i>
Light-footed Clapper Rail*	<i>Rallus longirostris levipes</i>
American Coot	<i>Fulica americana</i>
Black-bellied Plover	<i>Pluvialis squatarola</i>
American Golden Plover	<i>Pluvialis dominica</i>
Western Snowy Plover*	<i>Charadrius alexandrinus nivosus</i>
Semipalmated Plover	<i>Charadrius semipalmatus</i>
Killdeer*	<i>Charadrius vociferus</i>
Black-necked Stilt*	<i>Himantopus mexicanus</i>
American Avocet*	<i>Recurvirostra americana</i>
Greater Yellowlegs	<i>Tringa melanoleuca</i>
Willet	<i>Tringa semipalmatus</i>

Lesser Yellowlegs	<i>Tringa flavipes</i>
Spotted Sandpiper	<i>Actitis macularia</i>
Whimbrel	<i>Numenius phaeopus</i>
Long-billed Curlew	<i>Numenius americanus</i>
Marbled Godwit	<i>Limosa fedoa</i>
Ruddy Turnstone	<i>Arenaria interpres</i>
Black Turnstone	<i>Arenaria melanocephala</i>
Surfbird	<i>Aphriza virgata</i>
Red Knot	<i>Calidris canutus</i>
Sanderling	<i>Calidris alba</i>
Western Sandpiper	<i>Calidris mauri</i>
Least Sandpiper	<i>Calidris minutilla</i>
Pectoral Sandpiper	<i>Calidris melanotos</i>
Dunlin	<i>Calidris alpina</i>
Short-billed Dowitcher	<i>Limnodromus griseus</i>
Long-billed Dowitcher	<i>Limnodromus scolopaceus</i>
Wilson's Phalarope	<i>Phalaropus tricolor</i>
Red-necked Phalarope	<i>Phalaropus lobatus</i>
Red Phalarope	<i>Phalaropus fulicaria</i>
Parasitic Jaeger	<i>Stercorarius parasiticus</i>
Franklin's Gull	<i>Larus pipixcan</i>
Bonaparte's Gull	<i>Larus philadelphia</i>
Heermann's Gull	<i>Larus heermanni</i>
Mew Gull	<i>Larus canus</i>
Ring-billed Gull	<i>Larus delawarensis</i>
California Gull	<i>Larus californicus</i>
Herring Gull	<i>Larus argentatus</i>
Western Gull*	<i>Larus occidentalis</i>
Glaucous-winged Gull	<i>Larus glaucescens</i>
Black Skimmer*	<i>Rynchops niger</i>
California Least Tern*	<u><i>Sternula antillarum</i></u>
Gull-billed Tern*	<u><i>Gelochelidon nilotica</i></u>
Caspian Tern*	<u><i>Hydroprogne caspia</i></u>
Black Tern	<i>Chlidonias niger</i>
Common Tern	<i>Sterna hirundo</i>
Forster's Tern*	<i>Sterna forsteri</i>
Royal Tern*	<u><i>Thalasseus maximus</i></u>
Elegant Tern*	<u><i>Thalasseus elegans</i></u>
Rock Dove	<i>Columba livia</i>
Mourning Dove	<i>Zenaida macroura</i>
Greater Roadrunner	<i>Geococcyx californianus</i>
Barn Owl	<i>Tyto alba</i>
Burrowing Owl	<i>Athene cunicularia</i>
Short-eared Owl	<i>Asio flammeus</i>
Anna's Hummingbird	<i>Calypte anna</i>
Belted Kingfisher	<i>Ceryle alcyon</i>
Black Phoebe	<i>Sayornis nigricans</i>
Ash-throated Flycatcher	<i>Myiarchus cinerascens</i>
Western Kingbird	<i>Tyrannus verticalis</i>
Loggerhead Shrike	<i>Lanius ludovicianus</i>
American Crow	<i>Corvus brachyrhynchos</i>

Common Raven	<i>Corvus corax</i>
Horned Lark*	<i>Eremophila alpestris</i>
Tree Swallow	<i>Tachycineta bicolor</i>
Northern Rough-winged Swallow	<i>Stelgidopteryx serripennis</i>
Cliff Swallow	<i>Petrochelidon pyrrhonota</i>
Barn Swallow	<i>Hirundo rustica</i>
Bushtit	<i>Psaltriparus minimus</i>
Marsh Wren	<i>Cistothorus palustris</i>
Northern Mockingbird	<i>Mimus polyglottos</i>
European Starling	<i>Sturnus vulgaris</i>
American Pipit	<i>Anthus rubescens</i>
Yellow-rumped Warbler	<i>Dendroica coronata</i>
Common Yellowthroat	<i>Geothlypis trichas</i>
Wilson's Warbler	<i>Wilsonia pusilla</i>
California Towhee	<i>Pipilo crissalis</i>
Belding's Savannah Sparrow*	<i>Passerculus sandwichensis beldingi</i>
Song Sparrow	<i>Zonotrichia leucophrys</i>
Blue Grosbeak	<i>Guiraca caerulea</i>
Red-winged Blackbird	<i>Agelaius phoeniceus</i>
Western Meadowlark	<i>Sturnella neglecta</i>
Brewer's Blackbird	<i>Euphagus cyanocephalus</i>
Hooded Oriole	<i>Icterus cucullatus</i>
House Finch	<i>Carpodacus mexicanus</i>
Lesser Goldfinch	<i>Carduelis psaltria</i>
House Sparrow	<i>Passer domesticus</i>

(Source: City of San Diego 1987, USFWS 1994, US Navy 2000, Tierra Environmental Services 2001, and Tony Stands, pers. comm., April 2004)