

ACRONYMS, TERMS, and ABBREVIATIONS for NOAA Fisheries

NOTE: This list is *unofficial*. Many acronyms have multiple meanings, some are informally created by an ad hoc group, some are used in only one region or agency, and others are specifically defined by those writing a document. Please check that you're using the appropriate definition, especially in a document.

| | |
|-----------|---|
| 2008 SCA | 2008 Supplemental Comprehensive Analysis [Analysis of the Federal Columbia River Power System and Mainstem Effects of the Upper Snake and other Tributary Actions.] |
| A/L | Annual Leave |
| A&E | Architects & Engineers (associated with NOAA Restoration projects) |
| AA | Action Agency |
| AA | Assistant Administrator (sometimes referred to as an "Admin"; however, office Administrative Assistants are sometimes called by the "Admin" title too) |
| AAAS | American Association for the Advancement of Science |
| AAS | Advanced Automation System |
| AAS | Air Admission System |
| ABC | Acceptable Biological Catch |
| ac | Acres |
| ACIRC | Advisory Council for Inter-Jurisdictional Regulatory Collaboration (in WA state) |
| ACL | Annual Catch Limits |
| ACO | Association of Commissioned Officers |
| acre-foot | 325,900 gallons of water |
| ACS | Aquatic Conservation Strategy (used by Bureau of Land Management) |
| ACT | Area Commission on Transportation (Advisory Bodies chartered by Oregon Transportation Commission) |
| ADA | Americans with Disabilities Act |
| ADEOS | Advanced Earth Observing System |
| ADF&G | Alaska Dept. of Fish and Game |
| ADI | Aubrey Daniels Institute |
| ADRA | Associate Deputy Regional Administrator (on the WCR organizational chart this acronym also includes the staff working under this person; see next entry too) |
| ADRAO | Assoc. Deputy Regional Admin's Office - the staff working under the ADRA |
| AEM | Action Effectiveness Monitoring |
| AEWC | Alaska Eskimo Whaling Commission |
| AFEP | Anadromous Fish Evaluation Program |
| AFGWC | Air Force Global Weather Center |
| AFS | American Fisheries Society |
| AFSC | Alaska Fisheries Science Center (occasionally AKFSC) |
| AGI | American Geological Institute |
| AGU | American Geophysical Union |
| AIAA | American Institute of Aeronautics and Astronautics |
| AID | Agency for International Development |
| AIDCP | Agreement on the International Dolphin Conservation Program (1999) |
| AIP | Annual Implementation Plan (for WCR NMFS) |
| AIS | Aquatic Invasive Species |
| ALSP | Atmosphere and Land Surface Processes |
| AM | Annual Milestones |
| AM | Accountability Measures (related to implementation of ACLs to prevent overfishing) |
| AMC | Atlantic Marine Center |
| AMIP | Adaptive Management Implementation Plan |
| AMP | Adaptive Management Plan |
| AMS | American Meteorological Society |

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| | |
|-----------------|---|
| AMSL | Above Mean Sea Level |
| Anadromous Fish | Fish that ascend rivers to spawn, such as salmon, steelhead, striped bass, sturgeon and American shad |
| ANCS-II | Automated Nautical Charting System |
| ANPR | Advanced Notice of Proposed Rulemaking |
| AOC | Aircraft Operations Center |
| AOD | Aerosol Optical Depth (used as proxy for pollution monitoring) |
| AOD | Accounting Operations Division (within NOAA) |
| AOI | Annual Operating Instructions |
| AOML | Atlantic Oceanographic and Meteorological Laboratory |
| AOO | American Oceanic Organization |
| APA | Administrative Procedure Act |
| APHIS | Animal and Plant Health Inspection Service (USDA - they inspect live finfish, mollusks & crustaceans, including gametes, before exporting to another country) |
| APPS | Authorizations and Permits for Protected Species |
| AQ | Aquaculture |
| AR | Administrative Record |
| AR | At Risk |
| ARA | Assistant Regional Administrator (for NOAA - under DRA) |
| ARBO | Aquatic Restoration Biological Opinion |
| ARBO II | Aquatic Restoration Biological Opinion [II means it applies to projects funded and/or designed by the US Forest Service, Bureau of Land Management and the Coquille Tribe through the Bureau of Indian Affairs. Two opinions - one with NMS, other with FWS.] |
| ARC | Aquatic Resource Committee |
| ARC | Adult Return Channel |
| ARL | Air Resources Laboratory |
| AROG | American River Operations (Work) Group (mgmt. of CA's lower American River) |
| ARPA | Advanced Research Projects Agency |
| ASC | Administrative Support Center |
| ASCE | American Society of Civil Engineers |
| ASOS | Automated Surface Observing System |
| ASTC | Association of Science and Technology Centers |
| ASW | Adjustable Spillway Weir |
| ATA | American Tunaboat Association |
| ATBA | Area to be Avoided |
| ATS | Active Tags (transmitting tags from Acoustic Tag Systems used to track fish) |
| ATSR | Along Track Scanning Radiometer |
| AVHRR | Advanced Very High Resolution Radiometer |
| AWIPS | Advanced Weather Interactive Processing System |
| AWS | Auxiliary Water System |
| AWS | Alternative Work Schedule |
| B2H | Boardman to Hemingway (Transmission Line Project in Oregon) |
| B2IT | CVPIA Section 3406(b)(2) Implementation Team [Established by CALFED Ops Group - helps implement CVPIA Sect. 3406(b)(2) which dedicates/manages 800,000 acre feet of CVP water for primary purpose of fish/wildlife/habitat restoration.] |

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|---------------------------|--|
| BA | Biological Assessment - a federal agency proposing any action that could effect ESA-listed fish or their habitat submits a BA to NMFS or USFWS; the BA assesses the potential effects of the action to fish or habitat. [See Biological Opinion following.] |
| BACI | Before and After Control Influences |
| Bay-Delta (a.k.a. Delta) | San Francisco Bay/Sacramento-San Joaquin Delta - low, nearly flat land formed by alluvial deposits at the converging mouths of the Sacramento & San Joaquin Rivers |
| BC | British Columbia |
| BDA | Bay-Delta Authority (a.k.a. California Bay-Delta Authority) |
| BDCP | Bay Delta Conservation Plan (Sacramento-San Joaquin Bay Delta); now called California WaterFix or CWF or BDCP/CWF |
| BE | Biological Evaluation |
| BET | Bigeye Tuna |
| BGS | Behavioral Guidance Structure |
| BHS | Beach Hazards Statement |
| BIA | Bioelectrical Impedance Analysis |
| BIA | Bureau of Indian Affairs |
| BiOP (Biological Opinion) | The ESA (Endangered Species Act) requires that <i>any</i> federal agency proposing an action that may have an effect on an ESA-listed fish (e.g., issuing a permit, taking action on a fish habitat), must consult with NOAA Fisheries for marine and anadromous species, or the US Fish and Wildlife Service for land and freshwater species. First a biological assessment is submitted by the agency (see Biological Assessment above). Then a Biological Opinion is rendered to ensure that the proposed action will not reduce the likelihood of survival and recovery of an ESA-listed species. Website address for to the NOAA NMFS BiOp webpage: http://www.nmfs.noaa.gov/pr/consultation/opinions.htm |
| BIOS (Bios) | Biologist(s) |
| BKD | Bacterial Kidney Disease |
| BLM | Bureau of Land Management |
| BMP | Best Management Practices |
| BNF | Boise National Forest |
| BO | Biological Opinion (also see BiOp) |
| BOEM | Bureau of Ocean Energy Management |
| BON (Bon) | Bonneville Dam (Bonneville Dam and Lake) - Columbia River |
| BOR | Bureau of Reclamation |
| BP&E | Budget, Planning & Execution |
| BPA | Bonneville Power Administration or Blanket Purchase Agreement |
| BREA | Business Research and Economic Advisors |
| BRT | Biological Review Team |
| BSR | Biologically Significant Reaches (rating of streams) |
| BuRec | Bureau of Reclamation |
| B-WET | Bay Watershed Education and Training (NOAA environmental education program for K-12 students) |
| BY | Brood Year |
| C&GC | Climate and Global Change Program |
| C&GS | Office of Charting and Geodetic Services |
| °C | Degrees Celsius (temperature scale; 0° is freezing point and 100° is boiling point) |

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| | |
|----------------------|--|
| CA (not California!) | Comprehensive Analysis |
| CA LCC | California landscape Conservation Cooperative |
| CAA | Civil Aviation Administration |
| CAA | Clean Air Act |
| CAC | Climate Analysis Center |
| CAC | Common Access Card (sometimes called a CAC 'card') - smart card used as standard identification and for computer/building access for US military or DOD, contractors, civilian employees, DOC, etc.) |
| CAEC | Center for Analysis of Environmental Change |
| CalCOFI | California Cooperative Oceanic Fisheries Investigations [Multi-agency partnership (CA Dept. of Fish & Wildlife, NOAA NMFS, Scripps Institute) - originally formed to study the collapse of the sardine population; now focuses on the study of the marine environment off CA coast, including resource management and monitoring climate change.] |
| CALFED | a.k.a. CALFED Bay-Delta Program [Consortium of 23 Federal & State Agencies with management and regulatory responsibilities in the San Francisco Bay/Sacramento-San Joaquin Delta estuary (Bay-Delta). Manage water quality, water supply reliability, ecosystem restoration and ensure levee system integrity. <i>Now transitioned to the Delta Stewardship Council</i> ; see that entry in this list.] |
| Caltrans | California Department of Transportation |
| CAMT | Collaborative Adaptive Management Team |
| CAO | Chief Administrative Officer (for NOAA) |
| CAP | Continuing Authorities Program |
| CAPS | Dept. of Commerce Alternative Personnel System |
| CAS | Cost Accounting Standards |
| CASC | Central Administrative Support Center |
| CAW | California American Water (water/wastewater company in California) |
| CB | Columbia Basin |
| CBD | Conservation Biology Division (part of NWFSC) |
| CBDA | California Bay-Delta Authority |
| CBFWA | Columbia River Basin Fish & Wildlife Authority |
| CBP | Columbia Basin Partnership |
| CBPG | Columbia Basin Planning Group |
| CBSC | Commencement Bay Stewardship Collaborative |
| CCAA | Candidate Conservation Agreement & Assurances |
| CCAMLR | Convention of the Conservation of Antarctic Marine Living Resources |
| CCC | California Coastal Commission |
| CCC | California Central Coast |
| CCG | Canadian Coast Guard |
| CCL | Curved Carapace Length (used in measuring sea turtles) |
| CCO | California Coastal Office (one of the Area Offices in WCR of NMFS; main office in Arcata, CA; a.k.a. CCAO or CC) |
| CCOMT | California Coastal Office Management Team (in CA Coastal Area Office) |
| CCSF | City and County of San Francisco |
| CCVO | California Central Valley Office (one of the Area Offices in WCR of NMFS; main office in Sacramento, CA; a.k.a. CCVAO or CCV) |

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|--------|--|
| CDC | Center for Disease Control |
| CDFG | California Department of Fish and Game |
| CDFW | California Department of Fish & Wildlife (used to be Dept. of Fish & Game) |
| CDP | Coastal Development Plan |
| CDP | Common Depth Point (a seismic measurement) |
| CDP | Continuous Data Protection |
| CDQ | Community Development Quota [Program in Western Alaska to allocate quotas of groundfish, halibut (etc.) to western Alaska villages.] |
| CDR | Climate Data Records |
| CD-ROM | Compact Disk-Read only Memory |
| CE | Categorical Exclusion (in NEPA) or Categorical Exemption (CEQA) |
| CE | Comprehensive Evaluation (used by FCRPS, BPA, etc.) |
| CEA | Cumulative Effects Analysis |
| CEDCO | Coquille Economic Development Corp. (HQ and dock in Coos Bay) |
| CEES | Committee on Earth and Environment Sciences |
| CEF | Core Element Framework |
| CEII | Critical Energy Infrastructure Information |
| CEMP | California Eelgrass Mitigation Policy (October 2014) |
| CENR | Committee on Environment and Natural Resources |
| CEOS | Committee on Earth Observation Satellites |
| CEP | Caribbean Environment Program |
| CEQ | Council on Environmental Quality |
| CEQA | California Environmental Quality Act |
| CERCLA | Comprehensive Environment Response, Compensation, and Liability Act |
| CETAP | Cetacean and Turtle Assessment Program |
| CFCs | Chlorofluorocarbons |
| CFD | Computational Fluid Dynamics |
| CFDA | Catalog of Federal Domestic Assistance |
| CFO | Chief Financial Officer (for NOAA) |
| CFR | Code of Federal Regulations |
| CFS | Cubic Feet per Second |
| CGS | Columbia (River) Generating System |
| CGS | Committee on Geological Sciences |
| CGT | Coast Guard |
| CH | Critical Habitat |
| CHB | Citizens for a Healthy Bay (in Tacoma, WA) |
| CHNMS | Chumash Heritage National Marine Sanctuary (central CA coast) |
| CH4 | Methane |
| CHaMP | Columbia River Habitat Monitoring Program |
| Chart | Critical Habitat Analytical Review Team |
| CI | Confidence Interval |
| CICS | Cooperative Institute for Climate Studies |
| CINTEX | Catalogue Interoperability Experiment |
| CIO | Chief Information Officer |
| CIRA | Cooperative Institute of Research in the Atmosphere |
| CISN | California Integrated Seismic Network |

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|------------|---|
| CITES | Convention on International Trade in Endangered Species |
| CIYA | Cash-in-Your-Account |
| CLC | Commerce Learning Center |
| CLIMAP | Climate Modeling Prediction |
| CLIVAR | Climate Variability (Program) |
| cm | centimeter |
| CMB | Campus Management Board (Seattle campus) |
| CMDL | Climate Monitoring and Diagnostic Laboratory |
| CMP | Coastal Management Programs |
| CMP | Construction Management Plan |
| CMSP | Coastal & Marine Spatial Planning |
| CNES | Centre National d'Etudes Spatiales |
| CO | Carbon Monoxide |
| CO2 | Carbon Dioxide |
| COAST | Coastal Ocean Acoustic Salmon Tracking |
| COE | Corps of Engineers |
| COID | Central Oregon Irrigation District |
| COMET | Cooperative Operational Meteorological Education and Training |
| Comm/EA | Communications & External Affairs Office (a Branch in WCR NMFS) |
| Commission | Federal Energy Regulatory Commission (usually refers to this commission) |
| COMPASS | Comprehensive Fish Passage |
| COOP | Continuity of Operations Plan (federal requirement that agencies have plans to continue performance of essential functions in emergency circumstances) |
| COP | Coastal Ocean Program |
| COP | Configuration/Operation Planning (used primarily by Corps of Engineers) |
| COR | Contracting Officer Representative (for contracted employees) |
| CORE | NOAA's Coastal and Ocean Resource Economics Program [CORE conducts marine-related socioeconomic research for a variety of applications and geographic areas. It works with other federal agencies managing natural resources to develop common databases of economic valuation which will help apply existing info to new management/policies.] |
| Corps | US Army Corps of Engineers (also COE) |
| COSEE OLC | Centers for Ocean Sciences Education Excellence - Ocean Learning Community |
| COTR | Contracting Officer's Technical Representative |
| CPBR | Columbia Pacific Bio-Refinery |
| CPE | Comment Period Ends (signifying the end of mandatory public comment periods) |
| CPEC | Construction Projects Environmental Coordinating Committee |
| CPI | Consumer Price Index |
| CPO | Climate Program Office (NOAA, established Oct. 2005; provides climate science, data and information to help Americans plan for and respond to climate changes) |
| CPS | Coastal Pelagic Species |
| CPUE | Catch Per Unit Effort (fishery catch rate) |
| CR | Columbia River |
| CR | Conservation Recommendation (for Corps of Engineers) |
| CREP | Conservation Reserve Enhancement Program |
| CRFMP | Columbia River Fish Mitigation Program or Management Program |

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|---------|--|
| CRHRP | Columbia River Hatchery Reform Project |
| CRI | Cumulative Risk Initiative |
| CRISP | Columbia River Salmon Passage (model) |
| CRITFC | Columbia River Inter-Tribal Fish Commission |
| CROHMS | Columbia River Operational Hydrometeorological Management System |
| CRP | NOAA Restoration's Community-based Restoration Program |
| CRTR | Columbia River Treaty Review |
| CRR | Cowlitz Restoration and Recovery (in Washington State) |
| CS | Chief Scientist |
| CSOs | Combined Sewer Overflows |
| CSS | Comparative Survival Study |
| CTC | Chinook Technical Committee |
| CTGR | Confederated Tribes of the Grand Ronde |
| CTSI | Confederated Tribes of the Siletz Indians |
| CTUIR | Confederated Tribes of the Umatilla Indian Reservation |
| CTWS | Confederated Tribes of the Warm Springs |
| CTWSR | Confederated Tribes of the Warm Springs Reservation (or CTWS) |
| CTWSRO | Confederated Tribes of the Warm Springs Reservation of Oregon |
| CV | Central Valley (in California) |
| CVFPB | Central Valley Flood Protection Board |
| CVP | Central Valley Project [Federal water storage & transportation system in CA, providing 20% of delivered water in the state. A large percentage of that water is dedicated to agriculture, fish, and wildlife purposes. The project also provides power generation & flood control; works closely with SWP because both handle water in Sacramento River] |
| CVPIA | Central Valley Project Improvement Act (California) |
| CVTS | Cooperative Vessel Traffic System |
| CWA | California Water Association (group of investor-owned water companies in CA) |
| CWA | Clean Water Act |
| CWF | California WaterFix - the new name for BDCP (see above) |
| CWG | Climate Working Group (NOAA) |
| CWG | Continuity Working Group |
| CWMS | Corps Water Management System |
| CWT | Coded Wire Tags |
| CZARA | Coastal Zone Act Reauthorization Amendments (1990); Section 6217 program is administered by EPA and NOAA jointly. |
| CZMA | Coastal Zone Management Act |
| CZMP | Coastal Zone Management Plan |
| CZS | Coastal Zone Services |
| CZS | Chicago Zoological Society (they work with Mote Marine Laboratory) |
| D' or D | Differential Delayed Mortality |
| DAAC | Distributed Active Archive Centers |
| DAH | Estimated Domestic Annual Harvest |
| DAM | Dynamic Area Management |
| DAO | Departmental Administrative Order |
| DAP | Estimated Domestic Annual Processing (processing capacity in a given fishery) |
| DARP | NOAA's Damage Assessment and Restoration Program |

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|---------------------------|--|
| DARRP | NOAA's Damage Assessment, Remediation, and Restoration Program |
| DARRTS | Document Archiving, Reporting and Regulatory Tracking System |
| DAS | Days at Sea |
| DAT | Data Assessment Team (technical staff from project/mgmt. agencies, & stakeholders involved in CALFED) |
| DBBC | Decibels |
| DBBC | Deschutes Basin Board of Control (Central Irrigation District) |
| DC | Direct Current |
| DDR | Detailed Design Report |
| DDT | Dichlorodiphenyltrichloroethane |
| DEIS | Draft Environmental Impact Statement (for NEPA) |
| Delta | See "Bay-Delta" above |
| Delta Stewardship Council | Council created by CA legislation to achieve state mandated coequal goals for the Delta: provide a more reliable water supply for CA while also protecting, restoring, and enhancing the Delta ecosystem. [Formerly this was done via CALFED.] |
| DEQ | Department of Environmental Quality |
| DFG | Dept. of Fish & Game (some states still use this name instead of Fish & Wildlife) |
| DFO | Canadian Dept. of Fisheries and Oceans |
| DFW | Dept. of Fish and Wildlife (check which state's Dept. of Fish & Wildlife because many |
| DGN | Drift Gillnet(s) |
| DGN Fishery | Drift Gillnet Fishery (e.g., for swordfish and/or shark fishing) |
| DGS | Dissolved Gas Abatement Study |
| DIP | Demographically Independent Population |
| DM3 | Downstream Migrant Mortality Model |
| DMMP | Dredged Material Management Program (Corps of Engineers) |
| DMSP | Defense Meteorological Satellite Program |
| DNA | Deoxyribonucleic acid |
| DNR | Department of Natural Resources |
| DO | Dissolved Oxygen |
| DOA (or DoA) | Department of Agriculture |
| DOC (or DoC) | Department of Commerce |
| DOD (or DoD) | Department of Defense |
| DOE (or DoE) | Department of Energy |
| DOI (or DoI) | Department of Interior |
| DOJ (or DoJ) | Department of Justice |
| DON (or DoN) | Department of the Navy |
| DOO | Department of Organization Order |
| DOS | Department of State |
| DOSS | Delta Operations for Salmonids & Sturgeon (Sacramento-San Joaquin Delta) |
| DOT | Department of Transportation |
| DPC | Domestic Policy Council |
| DPIIC | Delta Plan Interagency Implementation Committee |
| DPS | Distinct Population Segment (or DPSs for Distinct Population Segments) |
| DPSG | Don Pedro Settlement Group (involves many non-federal groups, the City and County of San Francisco, and irrigation districts - deals with water in Bay-Delta rivers) |
| DQA | Data Quality Act |

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| DRA | Deputy Regional Administrator (for NOAA - under the RA) |
| DRA | Deschutes River Alliance |
| DRC | Deschutes River Conservancy |
| DRP | Data Recovery Plan |
| DRP | Department of Parks and Recreation |
| DSAYs | Discounted Service Acre Years |
| DSBG | Deep-set Buoy Gear |
| DSC | Deep Sea Coral |
| DSL | (Oregon) Division of State Lands (a.k.a. ODSL) |
| DSLL | Deepset Longlining (type of fishing gear) |
| DSM | Deep Seabed Mining |
| DSS | Decision Support System (may be related to Trinity River Restoration Program only) |
| DTAG | Digital Acoustic Recording Tag |
| DWH | Deepwater Horizon |
| DWR | Dept. of Water Resources (California) |
| e.g. | exempli gratia (Latin - "for example") |
| EA | Environmental Assessment [Document written for any Federal action to provide sufficient evidence and analysis for determining whether to prepare a finding of no significant impact (FONSI) or an environmental impact statement (EIS). An EA is written for all actions for which there is not an appropriate CE, or for actions that may fall under a CE but do not qualify under the checklist criteria.] |
| EAR | Export Administration Regulations |
| EASC | Eastern Administrative Support Center |
| EBFM | Ecosystem-Based Fishery Management |
| EC | European Community |
| ECA | Equivalent Clearcut Area (used to calculate vegetation disturbance/recovery) |
| ECC | Environmental Coordinating Committee |
| ECDIS | Electronic Chart Display Information Systems |
| ECHO | Enhancing Cetacean Habitat and Observation |
| ECPWG | Environmental Compliance and Permitting Work Group (multiple agencies) |
| ECWC | Employee Communications & Workplace Committee (in NMFS WCR) |
| EDA | Economic Development Administration |
| EDL | Estimated Detection Limit (used in Sediment Evaluation) |
| EDM | NMFS Enterprise Data Management Program |
| EDS | Environmental Sciences Division |
| EDT | Ecosystem Diagnosis & Treatment |
| EEO | Equal Employment Opportunity |
| EEOC | Equal Employment Opportunity Commission |
| EEZ | Exclusive Economic Zone (zone where U.S. and other coastal nations have jurisdiction over natural resources) |
| EFH | Essential Fish Habitat [For Pacific Salmon this habitat is the waters and substrate necessary for salmon production needed to support long-term sustainable salmon fishery and salmon contributions to a healthy ecosystem.] |
| EFID | East Fork Irrigation District (fish passage/diversion on East Fork Hood River) |
| EFP | Exempted Fishing Permit |
| EFSEC | Energy Facility Site Evaluation Council |

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| EIS | Environmental Impact Statement |
| ELDP | Executive Leadership Development Program |
| EM | Electronic Monitoring (in Sustainable Fisheries) |
| EM | Ecosystem Management |
| EMF | Electromagnetic Field |
| EN5 | Mail Code - Enforcement (for NOAA Fisheries) |
| ENS | Emergency Notification System |
| ENSO | El Nino-Southern Oscillation |
| EO | Executive Order |
| EOB | Executive Office Building |
| EOS | Earth Observing System |
| EOSDIS | Earth Observing System Data and Information System |
| EPA | U.S. Environmental Protection Agency |
| EPOCS | Equatorial Pacific Ocean Climate Studies |
| EPT | Extensive Post-Treatment Design |
| EQA | Environmental Quality Act |
| ERD | Emergency Response Division (in NOAA's Office of Response and Restoration) |
| ERED | Environmental Residue Effects Database |
| ERL | Environmental Research Laboratories |
| EROS | Earth Resources Observing Satellite |
| ERTG | Expert Regional Technical Group |
| ERTS | Environmental Response Tracking System |
| ESA | Endangered Species Act |
| ESA | Economics and Statistics Administration |
| ESA | European Satellite Agency |
| ESAICD | Endangered Species Act Interagency Cooperation Division |
| ESB | Environmental Services Branch |
| ESBS | Extended-length Submersible Bar Screen |
| ESC | Executive Steering Committee |
| ESDIM | Environmental Sciences Data Information Management |
| ESH | Essential Salmon Habitat |
| ESP | Extended Streamflow Prediction (Model) |
| ESR | Environmental Study Request |
| ESR | Earth System Research Laboratory (NOAA's in Boulder, CO) |
| ESRP | Estuary and Salmon Restoration Program |
| ESSA | Environmental Science Services Administration |
| ESU | Evolutionarily Significant Unit |
| EU | European Union |
| EUI | Energy Usage Index |
| EUMETSAT | European Organization for the Exploitation of Meteorological Satellites |
| EVOS | Exxon Valdez Oil Spill |
| EWA | Environmental Water Account - cooperative program to resolve conflicts between fish protection & water supply in Sacramento-San Joaquin Delta |
| EWAT | Environmental Water Account Team |
| EWEB | Eugene (Oregon) Water & Electric Board |
| EWG | Environmental Working Group (international organization) |

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| EWS | Early Warning System |
| EWS | Early Winter Steelhead |
| EY | Equilibrium Yield |
| 3FI | Farm, Fish and Floods Initiative (in NOAA Restoration) |
| F&A | Facilities and Administration (used in grant budgets) |
| F/EN | (NOAA Fisheries) Office of Law Enforcement (in Washington, D.C.) |
| F/HC | (NOAA Fisheries) Office of Habitat Conservation (in Washington, D.C.) |
| F/MB | (NOAA Fisheries) Office of Management & Budget (Washington, D.C.) |
| F/PR | (NOAA Fisheries) Office of Protected Resources (in Washington, D.C.) |
| F/SF | (NOAA Fisheries) Office of Sustainable Fisheries (in Washington, D.C.) |
| F/SI | (NOAA Fisheries) Office of Seafood Inspection (in Washington, D.C.) |
| F/ST | (NOAA Fisheries) Office of Science & Technology (Washington, D.C.) |
| F/WCR | (NOAA Fisheries) West Coast Region |
| FAA | Federal Aviation Administration |
| FACA | Federal Advisory Committee Act |
| FAHCE | Fish and Aquatic Habitat Collaborative Effort [Effort related to a 2003 draft Settlement Agreement between multiple agencies (including NMFS) groups, and departments - to resolve disputes regarding Santa Clara Valley Water District's use of its water rights on Coyote, Guadalupe, and Stevens Creeks in Santa Clara County, CA.] |
| FAHP | Federal-aid Highway Program |
| FAO | Food and Agriculture Organization |
| FASTA | Flow Account Scheduling Technical Advisory (FASTA) Team in Bureau of Reclamation |
| FB | Fishery (or Fisheries) Biologist |
| FBW | Fish Benefits Workbook |
| FCA | Farmers Conservation Alliance |
| FCCSET | Federal Coordinating Committee for Science, Engineering and Technology |
| FCE | Fish Collection Efficiency Standard |
| FCRPS | Federal Columbia River Power System |
| FDA | Food and Drug Administration (U.S.) |
| FEA | Final Environmental Assessment |
| FEB | Federal Executive Board [FEB Continuity Working Group (CWG), Seattle] |
| FEB | Fisheries Ecosystems Branch (part of SW Fisheries Science Center) |
| FEIS | Final Environmental Impact Statement |
| FELCC | Firm Energy Load Carrying Capacity |
| FEMA | Federal Emergency Management Agency |
| FERC | Federal Energy Regulatory Commission |
| FESA | Federal Endangered Species Act (used less often than ESA) |
| FEVS | Federal Employee Viewpoint Survey (sent annually to percentage of employees) |
| FFDRWG | Fish Facility Design Review Work Group |
| FFO | Federal Funding Opportunity |
| FGDC | Federal Geographic Data Committee [Federal geospatial professionals that provide executive, managerial, and advisory direction/oversight for geospatial decisions & initiatives across federal govt. - chaired by Secretary of the Interior.] |
| FGE | Fish Guidance Efficiency |

ACRONYMS, TERMS, and ABBREVIATIONS for NOAA Fisheries

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| | |
|---------|--|
| FGRP | Fisheries Restoration Grant Program |
| FHC | Fisheries and Habitat Committee |
| FHMP | Fish Hatchery Management Plan |
| FHWA | Federal Highway Administration |
| FHWG | Fisheries Hydroacoustic Working Group |
| 3FI | Farms, Fish and Flood Initiative (in NOAA Restoration) |
| FIFRA | Federal Insecticide, Fungicide, and Rodenticide Act |
| FIMA | Financial Management System |
| FIMAC | Fisheries Information Management Advisory Council (directs NMFS Enterprise Data Mgmt. Program) |
| FINs | Fisheries Info. Networks (fed & state programs to collect fisheries data) |
| FIRO | Forecast-informed Reservoir Operations |
| FishPac | (Caltrans District 1) Fish Passage (Technical) Advisory Group |
| FL | Fork Length [Length of a fish measured from tip of snout to the end of the middle caudal fin rays; used when it's difficult to determine end of the vertebral column.] |
| FLA | Final License Application |
| FLPMA | Federal Land Policy and Management Act of 1976 |
| FLUSH | Fish Leaving Under Several Hypotheses (model) |
| FM | Flow Management |
| FMAT | Fishery Management Action Team |
| FMC | Fiscal Management Center |
| FMC | Fishery Management Council |
| FMCS | Federal Mediation and Conciliation Service |
| FMEP | Fisheries Management and Evaluation Plan |
| FMP | Fishery Management Plan |
| FNOC | Fleet Numerical and Oceanography Center |
| FOIA | Freedom of Information Act |
| FOD | Financial Operations Division (in NOAA) |
| FONSI | Finding of No Significant Impact [Related to NEPA. A document that briefly demonstrates why a Federal Action would not have a significant effect on the human |
| FOP | Fish Operating Plan |
| FPA | Federal Power Act |
| FPE | Fish Passage Efficiency |
| FPF | (California) Fish Passage Forum |
| FPGL | Fish Performance and Genetics Laboratory |
| FPHM | Fish Passage and Hatchery Management Committee |
| FPMP | Floating Percentile Method (used in sediment evaluation) |
| FPMP | Fish Passage and Management Plan |
| FPO | Federal Program Office (for grants in NOAA Restoration's Community-based Restoration Program) |
| FPOM | Fish Passage Operations and Maintenance Coordination Team |
| FPR | WA state Forest Practice Rules (for HCP or Habitat Conservation Plan) |
| FPRP | Fish Passage Restoration Program |
| FR | Federal Register |
| FRAM | Fishery Resource Analysis and Monitoring Division (part of NWFSC) |

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| | |
|---------|---|
| FRAM | Fishery Regulation Assessment Model (Overview for Coho & Chinook from Pacific Fishery Management Council) |
| FRAM | Fleet Replacement and Modernization |
| FRD | Financial Reporting Division (FRD) |
| FRFA | Final Regulatory Flexibility Analysis (a requirement of the Regulatory Flexibility Act) |
| FRGP | Fisheries Restoration Grant Program |
| FRN | Federal Regulation Notice |
| FSC | Floating Surface Collector |
| FSF | Fisheries Survival Fund |
| FSL | Forecast Systems Laboratory |
| FSM | Federated States of Micronesia |
| ft/s | Full Time Equivalent |
| ft/s | Feet per Second |
| FTE | Full-time Equivalent |
| FVOG | Fishing Vessel Obligation Guarantee Program |
| FWCA | Fish and Wildlife Coordination Act [The 1934 act authorizing Secretaries of Agriculture and Commerce to provide assistance to Federal and State agencies in order to protect and increase supply of wildlife and wildlife resources.] |
| FWDF | Fish and Wildlife Development Fund |
| FWG | Fisheries Work Group |
| FWS | U.S. Fish and Wildlife Service (or USFWS) |
| FY | Fiscal Year |
| GAC | General Advisory Committee (part of the IATTC) |
| GAO | General Accounting Office |
| GARFO | Greater Atlantic Regional Fisheries Office (in Gloucester, MA) |
| GARP | Global Atmospheric Research Program |
| GBT | Gas Bubble Trauma |
| GC | General Counsel (in NOAA) |
| GCA | Gut Content Analysis |
| GCC | Global Climate Change |
| GCDIS | Global Change Data and Information System |
| GCF | NOAA Office of General Counsel for Fisheries (in Silver Spring, MD) |
| GCIP | GEWEX Continental-Scale International Project |
| GCM | Global Circulation Model |
| GCNR | General Counsel Natural Resources (part of legal in WCR NOAA Fisheries) |
| GCNW | General Counsel NW (Northwest portion of WCR NOAA Fisheries) |
| GCOS | Global Climate Observing System |
| GCRCD | Guadalupe Coyote Resource Conservation District [related to Guadalupe and Coyote Creeks in Santa Clara County, CA] |
| GCSW | General Counsel SW (Southwest portion of WCR NOAA Fisheries) |
| GDP | Gross Domestic Product |
| GEF | Global Environment Facility |
| GEMPAC | Groundfish Electronic Monitoring Policy Advisory Committee |
| GEMTAC | Groundfish Electronic Monitoring Technical Advisory Committee |
| GEOSTAT | Geodetic Satellite |
| GEWEX | Global Energy and Water Cycle Experiment |
| GFDL | Geophysical Fluid Dynamics Laboratory |

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| | |
|--------------------|--|
| GFE | Government Furnished Equipment (smart mobile devices) |
| GFNMS | Greater Farallones National Marine Sanctuary |
| GFO | GEOSTAT Follow-up |
| GI | General Investigations |
| GIS | Geographic Information System |
| GLOBE | Global Learning & Observations to Benefit the Environment |
| GLOBEC | Global Ocean Ecosystem Dynamics Studies |
| GM | Geometric Mean |
| GMFMC | Gulf of Mexico Fishery Management Council |
| GMS | Geostationary Meteorological Satellite |
| GNP | Gross National Product |
| GOALS | Global Ocean-Atmosphere-Land System (Program) |
| GOES | Geostationary Operational Environmental Satellite |
| GOOS | Global Ocean Observing System |
| GPM | Gallons per Minute |
| GPS | Global Positioning System |
| GRAIP | Geomorphic Road Analysis and Inventory Package |
| GRO | Groundfish |
| GRR | General Reevaluation Report (part of Sacramento River Flood Control Project) |
| GRT | Gross Registered Tons |
| GSA | General Services Administration |
| GSAT | Global Satellite Data Acquisition Team |
| GSI | Genetic Stock Identification |
| GTS | Global Telecommunications System |
| ha | Hectare - surface area unit equal to 10,000 square meters |
| HAB | Harmful Algal Bloom |
| HACCP | Hazard Analysis Critical Point |
| HAPWG | Habitat Assessment Prioritization Working Group (NWR-HAPWG) |
| HAZMAP | Hazardous Materials Response and Assessment Division |
| HAZWOPER | Hazardous Waste Operations and Emergency Response (guidelines set by Occupational Safety and Health Administration) |
| HC | Office of Habitat Conservation (in NMFS) |
| HC | Hydrocarbons |
| HCD | Habitat Conservation Division (former division in NWR of NOAA Fisheries) |
| HCP | Habitat Conservation Plan [Federal plans for conserving ecosystems upon which endangered/threatened species depend; partnership of federal & non-federal parties.] |
| HDM | Habitat Distribution Models |
| HEA | Habitat Expansion Agreement |
| HEA | Habitat Equivalency Analysis |
| Head (engineering) | Fluid dynamics (hydrology) uses "head" as a concept to relate the energy of an incompressible fluid to the height of an equivalent static column of that fluid. [Bernoulli's |
| HEC-RAS | Hydrologic Engineering Center's River Analysis System |
| HEW | Health, Education and Welfare |
| HFA | Habitat Focus Area (Russian River watershed -first HFA in NOAA's Habitat Blueprint) |
| HFC | Hydrofluorocarbon |

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| | |
|-----------------|---|
| HGMP | Hatchery Guidance Management Plan(s) or Hatchery and Genetic Management Plans |
| HI | Habitat Improvement Habitat Improvement Habitat Improvement Habitat Improvement |
| HIP | Habitat Improvement Program/Plan |
| HIP III | Habitat Improvement Program [III applies to projects funded through Bonneville Power |
| HMS | Highly Migratory Species (e.g., Tuna) |
| HMSMT | Highly Migratory Species Management Team |
| HNR | House Natural Resources committee (or House Committee on Natural Resources) |
| HOF | Hatchery Origin Fish |
| HPA | Hydraulic Project Approval |
| HPCC | High Performance computing and Communications |
| HPMP | Historic Properties Management Plan |
| HQS | Headquarters Staff |
| HR | Human Resources |
| HRA | Habitat Risk Assessment |
| HRD | Habitat Restoration Division (part of NOAA Habitat Conservation) |
| HRP | Habitat Restoration Program |
| HSI | Habitat Suitability Index |
| HSR | High Speed Rail |
| HSRG | Hatchery Scientific Review Group |
| HSTM | Habitat Status & Trends Monitoring |
| HTT | Habitat Technical Team |
| HUC | Hydrologic Unit Code |
| HUC-5 | Fifth Field Hydrologic Unit Code |
| HUC-6 | Sixth Field Hydrologic Unit Code |
| HVAC | Heating, Ventilation, Air Conditioning |
| HVT | Hoopa Valley Tribe |
| Hydro | Hydropower Division (former division in NWR of NOAA Fisheries) |
| Hz | Hertz |
| i.e. | id est (Latin - "that is") |
| I-5 | Interstate Highway 5 |
| IA | Interagency Agreement |
| IAI | Inter-American Institute for Global Change Research |
| IARCC | Interagency Arctic Research Coordination Committee |
| IATTC | Inter-American Tropical Tuna Commission |
| IBQ | Individual Bycatch Quota |
| ICBEMP | Interior Columbia Basin Ecosystem Management Plan |
| ICBO | Interior Columbia Basin Office (one of the Area Offices in WCR of NMFS; main office in Portland, OR; a.k.a. ICBAO or ICB) |
| ICCAT | International Convention on Conservation of Atlantic Tuna |
| ICES | International Council for the Exploration of the Sea |
| ICS | Interagency Coordination Subgroup |
| ICSU | International Council of Scientific Unions |
| ICTRT | Interior Columbia (Basin) Technical Recovery Team (or ... Technical Review Team) |
| IDCP | International Dolphin Conservation Program |
| IDEQ | Idaho Department of Environmental Quality |
| IDFG (or IDF&G) | Idaho Department of Fish & Game |

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| | |
|-----------|--|
| IDIQ | Indefinite Delivery, Indefinite Quantity |
| IDL | Idaho Department of Lands |
| IDN | International Directory Network |
| IDP | Individual Development Plan |
| IDWR | Idaho Dept. of Water Resources |
| IEA | NOAA's Integrated Ecosystem Assessment Program |
| IEC | Industrial Economics, Incorporated |
| IEP | Interagency Ecological Program (see RVERS) |
| IFQ | Individual Fishing Quota (a.k.a. Individual Transferable Quotas) [This is a permit to harvest specific quantities of fish/shellfish (regulates fishing of protected species).] |
| IFREMER | French Research Institute for Exploitation of the Sea |
| IGA | Intergovernmental Agreement |
| IGBP | International Geosphere-Biosphere Program |
| IGDO | Intragravel Dissolved Oxygen |
| IGOS | Integrated Global Ocean Station System |
| IHA | Incidental Harassment Authorization (type of required permit) |
| IHN | Infectious Hematopoietic Necrosis |
| IHOT | Integrated Hatchery Operations Team |
| IHR (ihr) | Ice Harbor Dam (Ice Harbor Lock and Dam) - on the Snake River |
| IITA | Information Infrastructure Technology Applications |
| ILP | Integrated Licensing Process |
| IM | Interim Milestones |
| IMFP | Imported and Manufactured Food Program (in Canada) |
| IMO | International Maritime Organization |
| IMW | Intensely Monitored Watersheds Program [Plan to monitor fish & habitat responses to restoration actions in the lower Columbia watersheds.] |
| IntFish | Interior Fish |
| INRMP | Integrated Natural Resources Management Plan |
| IOC | Intergovernmental Oceanographic Commission |
| IOC | In/Out Committee handling employee/contractor changes in WCR NMFS |
| IOOS | U.S. Integrated Ocean Observing System |
| IPA | Intergovernment Personnel Act [A temporary assignment of personnel between the federal government and state or local governments, colleges, tribal governments, etc..] |
| IPCC | Intergovernmental Panel on Climate Change |
| IPHC | International Pacific Halibut Commission (established between US & Canada) |
| IPTDS | Instream Pit Tag Detection System |
| IQA | Information Quality Act |
| IR | In River |
| IRFA | Initial Regulatory Flexibility Analysis |
| ISAB | Independent Scientific Advisory Board |
| ISDA | Idaho State Dept. of Agriculture |
| ISEES | Institute for Sustainable Earth and Environmental Software |
| ISEMP | Integrated Status and Effectiveness Monitoring Program |
| ISG | Independent Scientific Group |
| ISIT | In-Season Implementation Tool |

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| | |
|-------|--|
| ISO | International Standards Organization or International Organization for Standardization (non-governmental and run out of Switzerland) |
| ISPS | International Ship and Port Security |
| ISRP | Independent Science Review Panel |
| ISTM | Integrated Status and Trends Monitoring |
| IT | Incidental Take |
| ITA | International Trade Administration |
| ITAP | International Technical Assistance Program (through the US Dept. of Interior) |
| ITAR | International Traffic in Arms Regulations |
| ITP | Incidental Take Permit |
| ITQ | Individual Transferable Quota (see IFQ above) |
| ITS | Incidental Take Statement |
| ITTE | Institute of Transportation and Traffic Engineering |
| IUCN | World Conservation Union |
| IUSS | Integrated Undersea Surveillance System |
| IWC | International Whaling Convention |
| IWIG | Internal Willamette Implementation Group (implementing BiOp) |
| IWOW | In Water, Over Water |
| IWRSS | Integrated Water Resources and Services |
| IWUA | Idaho Water Users Association |
| JAWF | Joint Agriculture-Weather Facility |
| JBS | Juvenile Bypass System |
| JDA | John Day Dam (John Day Dam and Lake Umatilla - on Columbia River) |
| JFF | Juvenile Fish Facility |
| JFT | Juvenile Fish Transportation Program |
| JGOFS | Joint Global Ocean Flux Study |
| JIC | Joint Ice Center |
| JOI | Joint Oceanographic Institution |
| JSATS | Juvenile Salmon Acoustic Telemetry System |
| JVP | Joint Venture Processing |
| KBRA | Klamath (River) Basin Restoration Agreement |
| KCFS | Thousand Cubic Feet per Second |
| KHSA | Klamath Hydroelectric Settlement Agreement |
| kHz | Kilohertz |
| KPFA | Klamath Power and Facilities Agreement (Klamath River restoration agreement that includes removing 4 dams by 2020) |
| KM | Kilometer |
| km | Kilometer(s) |
| KRCEF | Klamath River Coho Enhancement Fund |
| KRRC | Klamath River Renewal Corporation (non-profit set up to control 4 dams on Klamath River that are planned for removal) |
| kV | Kilovolt |
| LAA | Likely to Adversely Affectr (used with Biological Opinions) |
| LAN | Local Area Network |
| LANL | Los Alamos National Laboratory |

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| | |
|---------------|---|
| LAPP | Limited Access Privilege Program [This fishery can harvest fish because it meets the requirements of MSRA of 2006.] |
| LAWS | Laser Atmospheric Wind Sounder |
| LBS | Land-based Sources of Marine Pollution |
| LCDP | Leadership Competencies Development Program (in NOAA) |
| LCDR | Lieutenant Commander (in the NOAA Commissioned Officer Corps) |
| LCEP | Lower Columbia Estuary Partnership |
| LCFRB | Lower Columbia Fish Recovery Board |
| LCM | Life Cycle Management (or Monitoring) |
| LCR | Lower Columbia River |
| LCREP | Lower Columbia River and Estuary Program |
| LCWO | Lower Columbia/Willamette Office (branch of OWCO) |
| LE | Limited Entry |
| LEDPA | Least Environmentally Damaging Practicable Alternative (used by DOT) |
| LEP | Limited Entry Permit(s) [License limitation program for commercial groundfish fishing fleet in waters off Washington, Oregon, and California; implemented in 1993.] |
| LFA | Low Frequency Active (Sonar) |
| LFS | Lamprey Flume System |
| LGMSC | Lower Granite Migration Study Steering Committee |
| LGS | Little Goose Dam (Little Goose Lock and Dam) - Snake River |
| LI | License Issue |
| LIDAR or LIDR | Light Detecting and Rating/Ranging |
| LME | Large Marine Ecosystem |
| LMN | Lower Monumental Dam - Snake River |
| LMR | Living Marine Resource |
| LNG | Liquefied Natural Gas |
| LO | Line Offices |
| LOA | Letter of Authorization (under the Marine Mammal Protection Act) |
| LOBO | Long-term Operations Biological Opinions |
| LOC or LoC | Letter of Concurrence (often related to ESA) or Letter of Confirmation |
| LOC | Levels of Concern |
| LOP | Letter of Permission |
| LOS | Law of the Sea |
| LRMP | Land and Resource Management Plan |
| LTjg or LTJG | Lieutenant (Junior Grade) - in NOAA Corps |
| LTMS | Long Term Management Strategy |
| LW | Large Wood (wood debris in streams/ivers - helps create pools for fish) |
| LWCFA | Land and Water Conservation Fund Act of 1965 |
| LWD | Large Woody Debris |
| LWG | Lower Granite Dam (Lower Granite Dam and Lake - on the Snake River) |
| M | Meter(s) |
| m/m | mass per unit mass |
| MAB | Man and the Biosphere Programme |
| MAF | Millions of acre feet |
| MAFAC | Marine Fisheries Advisory Committee |
| MAPS | Mesoscale Analysis and Prediction System |

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| | |
|---------------|---|
| MaSAs | Major Spawning Areas |
| MASC | Mountain Administrative Support Center |
| Matrix | Matrix of Pathways and Indicators |
| MB | Marine Board |
| MB | (NOAA) Office of Management and Budget |
| MBDA | Minority Business Development Agency |
| MBI | Mitigation Banking Instrument |
| MCN | McNary Dam (or McNary Lock and Dam) - Columbia River |
| MCR (or MC) | Middle Columbia River or Mid-Columbia |
| MDB | Multilateral Development Bank |
| MDEIS | Makah Draft Environmental Impact Statement |
| MDEQ | Montana Department of Environmental Quality |
| MDL | Method Detection Limit(s) - used in sediment evaluation |
| MEDS | Marine Ecological Database System |
| METCON | Metropolitan Consortium for Minorities in Science and Engineering |
| METEOSAT | Meteorological Satellite |
| MFCMA | Magnuson-Stevens Fishery Conservation and Management Act |
| MG/l | Milligrams per liter |
| MGD | Million gallons per day |
| MGR | Minimum Gap Runners |
| MHHW | Mean Higher High Waters |
| MHNF | Mt. Hood National Forest |
| Mi | Mile(s) |
| Mid-C | Mid-Columbia River |
| MIPR | Military Interdepartmental Purchase Request |
| ML | Maximum Level (used in sediment evaluation) |
| MM | Major Milestone |
| mm | Millimeter |
| MMD | Mud Mountain Dam (in Washington state) |
| MMPA | Marine Mammal Protection Act |
| MOA | Memorandum of Agreement |
| MOM | Modular Ocean Model |
| MOP | Minimum Operating Pool |
| MOPP | Monitoring Operation and Protection Plan |
| MOU | Memorandum of Understanding |
| MPA | Marine Protected Area |
| MPE | Mission to Planet Earth |
| MPG | Major Population Group |
| MPP | Massively Parallel Processor |
| MPRSA | Marine Protection Research and Sanctuaries Act |
| MRC | Marine Resources Committee |
| MREP | Marine Resource Education Program |
| MS | Magnuson-Stevens (see below) |
| MSA or MSFCMA | Magnuson-Stevens Fishery Conservation and Management Act of 1976 [Principal law governing U.S. marine fisheries - extends control to 200 nautical miles.] |
| MSA | Major Spawning Area |
| MSC | Management Support Center |

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| | |
|------------------|--|
| MSD | Marine Sanitation Device |
| MSGP | Multi-Sector General Permit |
| MSL | Mean Sea Level |
| MSRA | Magnuson-Stevens Fishery Conservation & Mgmt. Reauthorization Act of 2006 |
| MSRP | Montrose Settlements Restoration Program [Oversees restoration in southern CA marine environments harmed by DDTs and PCBs.] |
| MSRS | Mandatory Ship Reporting System |
| MSY | Maximum Sustainable Yield |
| MT | Management Team (used in California NMFS offices) |
| MTCA | Model Toxics Control Act (state of Washington) |
| MTPE | Mission to Planet Earth [NASA's mission dedicated to understanding the total earth system and the effects of human-induced change on the global environment.] |
| MTS | Marine Technology Society |
| MU | Management Unit |
| MW | Megawatts |
| MWEEs | Meaningful Watershed Educational Experiences (for K-12 students) |
| MWh | Megawatt-hour |
| N ₂ O | Nitrous Oxide |
| NA or N/A | Non Applicable (or Not Applicable) |
| NAAQS | National Ambient Air Quality Standards |
| NAC | Noise Abatement Criteria |
| NAE | No Adverse Effect |
| NAFSMA | National Association of Flood & Stormwater Management Agencies |
| NAFT | North American Free Trade Agreement |
| NAO | NOAA Administrative Order |
| NAPAP | National Acid Precipitation Assessment Program |
| NAS | National Academy of Sciences |
| NAS | Nonindigenous Aquatic Species |
| NAS | Naval Air Station |
| NASA | National Aeronautics and Space Administration |
| NASC | North Atlantic Salmon Convention |
| NAVO | Naval Oceanographic Office |
| NAWAS | National Warning System |
| NAWQA | National Water Quality Assessment |
| NCAR | National Center for Atmospheric Research |
| NCCC | North-Central California Coast |
| NCCO | North-Central Coast Office (in WCR NMFS) |
| NCCP | Natural Community Conservation Plan (in CA) [Natural Community Conservation Planning is a CA program to help the CA Dept. of Fish & Game foster collaboration between government wildlife agencies, local governments, and private interests.] |
| NCDC | National Climatic Data Center (NOAA) |
| NCDDC | National Coastal Data Development Center (NOAA) |
| NCM | National Coastal Monitoring |
| NCO | Northern California Office (in Arcata, CA; part of CA Coastal Area Office) |
| NCOMT | Northern California Office Management Team (in CA Coastal Area Office) |

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| | |
|-----------------|--|
| NCTC | National Conservation Training Center (through US Fish & Wildlife Service) |
| NDP | North Delta Program [North Delta in CA; entire delta is located roughly between Sacramento on the north and Stockton on the south; about 1000 miles of waterways' main rivers are Sacramento River and San Joaquin River.] |
| NEPA | National Environmental Policy Act |
| NERRS | National Estuarine Research Reserve System |
| NESC | National Environmental Satellite Center |
| NESDIS | National Environmental Satellite, Data, and Information Service |
| NET | NOAA Energy Team |
| NEXRAD | Next Generation Radar |
| NFH | National Fish Hatchery |
| NFHP | National Fish Habitat Partnership |
| NFIP | National Flood Insurance Program |
| NFWF | National Fish and Wildlife Foundation |
| NGDC | National Geophysical Data Center |
| NHAq | National Hydropower Association |
| NGO | Non-Governmental Organization(s) |
| NGVD | National Geodetic Vertical Datum |
| NHLT | National Habitat Leadership Team |
| NHPA | National Historic Preservation Act |
| NIC | Network Information Center |
| NIDIS | National Integrated Drought Information System (NOAA) |
| NII | National Information Infrastructure |
| NIST | National Institute for Standards and Technology |
| NLAA | Not Likely to Adversely Affect (used with Biological Opinions) |
| Nm | Nautical miles(s) |
| NMAO | NOAA Marine and Aviation Operations |
| NMC | National Meteorological Center |
| NMFS | National Marine Fisheries Service |
| NMML | National Marine Mammal Laboratory (part of Alaska Fisheries Science Ctr.) |
| NMPAC | National Marine Protected Areas Center |
| NMSA | National Marine Sanctuaries Act |
| NNMREC | Northwest National Marine Renewable Energy Center |
| NO ₂ | Nitrogen Dioxide |
| NOA | Notice of Availability |
| NOAA | National Oceanic and Atmospheric Administration |
| NOAA Fisheries | NOAA National Marine Fisheries Service (informal name) |
| NOAEL | No-observed-adverse-effect-level |
| NOC | Network Operations Center (Boulder) |
| NOC | Notice of Completion |
| NODC | National Oceanographic Data Center |
| NOE | North Downstream Entrance |
| NOF | Natural-Origin Fish |
| NOI | Notice of Intent |
| NOS | National Ocean Service (NOAA) |
| NO _x | Nitrogen Oxides |

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| | |
|--------|---|
| NPAFC | North Pacific Anadromous Fish Commission |
| NPCC | Northwest Power and Conservation Council |
| NPCNF | Nez Perce Clearwater National Forest |
| NPDES | National Pollutant Discharge Elimination System |
| NPF | Not Properly Functioning |
| NPFC | National Pollution Funds Center |
| NPFMC | North Pacific Fishery Management Council |
| NPL | National Priorities List |
| NPOESS | National Polar-Orbiting Operational Environmental Satellite System |
| NPPA | (California) Native Plant Protection Act |
| NPPC | Northwest Power Planning Council |
| NPR | National Performance Review |
| NPS | National Park Service |
| NPT | Nez Perce Tribe |
| NR | Natural Resources (as in House NR Committee in US Govt.) |
| NRAP | NOAA's Rotational Assignment Program |
| NRC | National Research Council |
| NRC | Nuclear Regulatory Commission |
| NRCS | National Resources Conservation Service |
| NRDA | Natural Resources Damage Assessment |
| NRDAR | Natural Resource Damage Assessment and Restoration |
| NRDC | Natural Resources Defense Council |
| NREN | National Research and Education Network |
| NRL | National Research Laboratory |
| NRMS | Network Reference and Monitor Station |
| NRTC | Natural Resource Trustee Council |
| NSB | National Science Board |
| NSC | National Security Council |
| NSD | NOAA Staff Directory (online) |
| NSF | National Science Foundation |
| NSO | Northern Spotted Owl |
| NSP | Neurological Shellfish Poisoning |
| NSRS | National Spatial Reference System |
| NSSP | National Shellfish Sanitation Program (federal/state program recognized by FDA) |
| NSTA | National Science Teachers Association |
| NTIA | National Telecommunications and Information Administration |
| NTIS | National Technical Information Service |
| NTP | Natural Thermal Potential |
| NTU | Nephelometric Turbidity Units |
| NUID | North Unit Irrigation District |
| NURP | National Undersea Research Program |
| NWC | Northwest Connection (sportsfishing group) |
| NWC1 | Mail Code - Northwest Fisheries Science Center |
| NWF | National Wildlife Federation |
| NWFSC | Northwest Fisheries Science Center |
| NWIFC | Northwest Indian Fisheries Commission (20 tribes - HQ in Olympia, WA) |

ACRONYMS, TERMS, and ABBREVIATIONS for NOAA Fisheries

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| | |
|----------------|---|
| NWMP | Noxious Weed Management Plan |
| NWP | Nationwide Permits (Corps of Engineers) |
| NWPPC | Northwest Power Planning Council |
| NWPCC | Northwest Power & Conservation Council |
| NWR | Former Northwest Region of NOAA Fisheries |
| NWS | National Weather Service |
| NYT | New York Times |
| O & C (or O&C) | federally owned Oregon and California lands |
| O&M | Operations and Maintenance |
| O3 | Ozone |
| OAA | Office of Administrative Appeals (NMFS) |
| OAR | Office of Oceanic and Atmospheric Research |
| OAR | Oregon Administrative Rule |
| °C | Degrees Celsius (temperature scale; 0° is freezing point and 100° is boiling point) |
| OCAP | Operations Criteria and Plan |
| OCE | Office of Compliance and Enforcement |
| OCM | Office for Coastal Management (a program in the National Ocean Service) |
| OCNMS | Olympic Coast National Marine Sanctuary |
| OCR | Office of Civil Rights |
| OCRM | Office of Coastal Resource Management |
| OCS | Oregon Climate Service |
| ODEQ | Oregon Department of Environmental Quality |
| ODFW | Oregon Department Fish and Wildlife |
| ODOT | Oregon Department of Transportation |
| ODSL | Oregon Department of State Lands |
| OECD | Organization for Economic Cooperation and Development |
| OEM | Original Equipment Manufacturer |
| OEIS | Overseas Environmental Impact Statement |
| °F | Degrees Fahrenheit (temperature scale; 32° is freezing point, 212° is boiling pt.) |
| OFCM | Ocean Fish Commission |
| OFCM | Office of the Federal Coordinator for Meteorology |
| OFF | Operations & Fishery Forum (contact people for agencies/groups in CALFED) |
| OFR | Office of the Federal Register |
| OGF | Oak Grove Fork |
| OGP | Office of Global Programs |
| OGs | Operational Guidelines |
| OHC | Office of Habitat Conservation (in NMFS) |
| OHWL | Ordinary High Water Line |
| OIG | Office of the Inspector General |
| OLE | Office of Law Enforcement (in NOAA Fisheries) |
| OLNG | Oregon Liquefied Natural Gas |
| OMB | Office of Management and Budget |
| OMI or OMID | Operations, Management & Information Division (of NOAA Fisheries) |
| ONI | Oceanic Niño Index |
| ONMS | Office of National Marine Sanctuaries |
| OOC | Operational Oceanography Center |

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| | |
|---------|---|
| OPC | Ocean Products Center |
| Opinion | Biological Opinion (also see BiOp) |
| OPM | Office of Personnel Management |
| OPR | (California) Office of Planning and Research |
| OPRD | Oregon Parks & Recreation Department |
| OR | Operational Reach |
| OR&F | Operations, Research and Facilities |
| OR&R | Office of Response and Restoration (within NOAA) |
| ORNL | Oak Ridge National Laboratory |
| ORTA | Office of Research and Technology Application |
| OSAA | Operational Satellite Active Archive |
| OSB | Opium Sustainable Population |
| OSC | Office of Species Conservation |
| OSEEP | Office of Sustainable Energy and Environmental Programs (within DOC) |
| OSF | Office of Sustainable Fisheries, NOAA Fisheries Service in Silver Spring, MD |
| OSHA | Occupational Safety Hazard Administration |
| OSHO | Oregon State Habitat Office (NOAA) |
| OSP | Optimum Sustainable Population |
| OSP/PPI | NOAA Office of Strategic Planning/Program Planning and Integration (this is NOAA's NEPA Office) |
| OSTP | Office of Science and Technology Policy |
| OTEC | Ocean Thermal Energy Conversion |
| OTGWG | Oregon Tide Gate Working Group |
| OTH | Over-the-Horizon |
| OWCO | Oregon & Washington Coastal Office (one of the Area Offices in WCR of NMFS; main office in Portland, OR; a.k.a. OWCAO or OR-WA) |
| OWEB | Oregon Watershed Enhancement Board |
| OWQI | Oregon Water Quality Index |
| OWRD | Oregon Water Resources Department |
| OY | Optimum Yield |
| PA | Permit Assistant (for fishing vessels, research, etc. - in NMFS) |
| PA | Public Affairs - Office of Public and Constituent Affairs (NOAA) |
| PA | Proposed Action |
| PAC | Public Advisory Committee (for Exxon Valdez Oil Spill Trustee Council) |
| PAC | Post-Authorization Change |
| PacFish | Pacific Fish |
| PAH | Polycyclic Aromatic Hydrocarbon |
| PAIIF | Preserve America Initiative Internal Funding Program (NOAA) |
| PARR | Public Access to Research Results |
| PAS | Planning Assistance to States |
| PATH | Plan for Analyzing and Testing Hypotheses |
| Pb | Lead |
| PBDE | Polybrominated diphenyl ethers |
| PBF | Pacific Bluefin - Tuna Research at Science Centers |
| PBO | Preliminary Biological Opinion (a provision under the Endangered Species Act) |
| PBR | Potential Biological Removal level |

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| | |
|--------------|---|
| PBT | Persistent, Bioaccumulative and Toxic Substances |
| PBT | Parental Based Tagging |
| PCA | Principal Components Analysis [Statistical analysis run on uncorrelated principal components in a dataset to reduce the number of variables, while retaining the bulk of |
| PCAST | President's Council of Advisors on Science and Technology |
| PCB | Polychlorinated biphenyls |
| PCC Farmland | PCC is no longer a valid acronym (originally it was, but now it's <i>name</i> "PCC") |
| PCE | Primary Constituent Element |
| PCEA | Partnerships, Communications & External Affairs Branch in WCR of NMFS) |
| PCR | Polymerase Chain Reaction |
| PCSD | President's Council on Sustainable Development |
| PCSRF | Pacific Coastal Salmon Recovery Fund [Established by Congress in 2000 to reverse declines in Pacific salmon and steelhead; supports conservation efforts in CA, OR, WA, ID, and AK; NOAA Fisheries administers PCSRF's competitive grants process.] |
| PCSRP | Pacific Coastal Salmon Recovery Program (grants program) |
| PCTS | Public Consultation Tracking System |
| PDA | Pile Dike Antenna |
| PDARP | Programmatic Damage Assessment and Restoration Plan |
| PDARP/PEIS | Programmatic Damage Assessment and Restoration Plan and Programmatic Environmental Impact Statements |
| PDO | Pacific Decadal Oscillation |
| PDPM | (Caltrans) Project Development Procedures Manual |
| PEA | Programmatic Environmental Assessment |
| PEIS | Programmatic Environmental Impact Statements |
| PEPD | Proposed Evaluation and Pending Determination |
| PFAR | Position Funding Approval Request |
| PFC | Properly Functioning Condition |
| PFMC | Pacific Fishery Management Council [One of eight regional fishery councils established by the Magnuson Fishery Conservation and Management Act of 1976. Covers fisheries in the exclusive economic zone off Washington, Oregon, and California.] |
| PG&E | Pacific Gas & Electric Company |
| PGE | Portland General Electric |
| PH | Portland Harbor |
| PHABSIM | Physical Habitat Simulation |
| pHOS | percent Hatchery-Origin Spawners |
| PI | Principal Investigator (on a grant) |
| PIBO | Pacific-Fish Interior-Fish Biological Opinion |
| PICES | North Pacific Marine Science Organization (intergovernmental; established 1992) |
| PIER | Pfleger Institute of Environmental Research |
| PIE 2 | Program Improvement and Enhancement Rule (revises Pacific Coast Groundfish Management Plan (groundfish trawling, catch shares, etc.) |
| PIFSC | Pacific Islands Fisheries Science Center |
| PII | Personally Identifiable Information |
| PIN | Pacific Island Network |

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| | |
|-------------------|---|
| PIRO | Pacific Islands Regional Office (NOAA Fisheries) |
| PIT | Passive Integrated Transponder |
| PITAGIS | Pit-Tag Information System |
| PIT-TAGS | Passive Integrated Transponder Tags |
| PL | Public Law |
| PM | Project Manager |
| PMAC | Performance Management Advisory Committee (reviews major staff awards) |
| PME | Protection, Mitigation, and Enhancement Measures |
| PMEC, SETS & NETS | Pacific Marine Energy Center [All of NNMREC's testing sites collectively; SETS is South Energy Testing Site - off Newport coast; NETS is North Energy Testing Site - north of Yaquina Head; these mobile ocean buoys measure power and characteristics of waves, |
| PMEL | Pacific Marine Environmental Laboratory |
| PMF | Probable Maximum Flood |
| PMP | Preliminary FMP (see FMP above) |
| PMT | Program Management Team |
| PNAMP | Pacific Northwest Aquatic Monitoring Partnership |
| PNCA | Pacific NW College of Art; Pacific Northwest Coordination Agreement |
| PNERC | Pacific Northwest Ecosystem Research Consortium |
| PNFHPC | Payette National Forest |
| PNFHPC | Pacific Northwest Fish Health Protection Committee |
| PNI | Proportion of Natural Influence |
| PNNL | Pacific Northwest National Laboratory |
| PNPTC | Point No Point Treaty Council |
| POCTRT | Pacific Offshore Cetacean Take Reduction Team |
| POES | Polar Operational Environmental Satellite |
| POES | Polar-Orbiting Operational Environmental Satellite |
| PORTS | Physical Oceanographic Real-Time System |
| POST | Pacific Ocean Shelf Tracking |
| ppb | Parts per billion |
| PPFC | Public Policy Facilitation Committee |
| PPI | Protected (or Private) Personal Information |
| ppm | Parts per million |
| PR | Protected Resources Office (at NOAA Fisheries Headquarters; or HQPR) |
| PR3 | or HQPR3 part of Protected Resources Div. (at Headquarters of NOAA Fisheries) |
| PR5 | or HQPR5 part of Protected Resources Div. (at Headquarters of NOAA Fisheries) |
| PRA | Paperwork Reduction Act |
| PRB | Permeable Reactive Barrier |
| PRC | Peer Review Committee (for Fisheries Restoration Grants Program) |
| PRD | Protected Resources Division (part of WCR of NOAA Fisheries); a.k.a. PR |
| PREE | Preliminary Regulatory Economic Evaluation (an analysis required by NOAA Economic |
| PROJECTS | Programmatic Restoration Opinion for Joint Ecosystem Conservation by the Services [Services include U.S. Fish & Wildlife Service, Partners for Fish & Wildlife, Fisheries, Coastal and Recovery Programs, NOAA Restoration Center, DARRP, Community-Based Restoration Programs in OR, WA, and ID] |
| PRP | Potentially Responsible Party |

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| | |
|--------|--|
| PR SIS | Protected Resources Species Information System |
| PS | Permit Specialist (for fishing vessels, research, etc. in NMFS) |
| PS | Puget Sound |
| PSC | Pacific Salmon Commission [Formed by governments of U.S. & Canada to implement the Pacific Salmon Treaty.] |
| PSFC | Pacific Salmon Fisheries Commission |
| PSHA | Probabilistic Seismic Hazard Assessment (in CA) |
| PSMFC | Pacific States Marine Fisheries Commission |
| PSNERP | Puget Sound Nearshore Ecosystem Restoration Project |
| PSP | Paralytic Shellfish Poisoning |
| PSP | Puget Sound Partnership (marine protection) |
| PSS | Biologically Significant Stream |
| PST | Pacific Salmon Treaty [Treaty of March, 1985: both governments agreed to cooperate in management, research, and enhancement of Pacific salmon stocks of mutual concern.] |
| PSZ | Potential Stranding Zone |
| PTAGIS | Pit-Tag Information System Database |
| PTO | Patent and Trademark Office |
| PTP | Pass-through Entity (used in grants and contracts) |
| PTS | Permanent Threshold Shift |
| PUD | Public Utility District |
| PVP | (Solar) Photovoltaic Systems |
| PVP | Potter Valley Project (in California) |
| PWA | Public Water Agencies |
| PWS | Performance Work Statement |
| PWS | Public Water Supply |
| PWSA | Ports and Waterways Safety Act |
| QA | Quality Assurance |
| QA/QC | Quality Assurance/ Quality Control |
| QAP | Quality Assurance Plan |
| QAR | Quantitative Analysis Report |
| QC | Quality Control (reports) |
| QET | Quasi-Extinction Threshold |
| QPs | Quota Pounds (of fish) |
| QS | Quota Share (fishing quota for a person or group - relates to fishing permits) |
| R&D | Research and Development |
| R&E | Restoration and Enhancement |
| R/S | Recruits-Per-Spawner |
| RA | Regional Administrator (for NOAA) |
| RA | Remedial Action (used by EPA) |
| RA-DRA | Regional Admin and Deputy Regional Admin Office (mainly in Seattle, WA) |
| RAFT | River Assessment for Forecasting Temperature |
| RAMBO | Routine Activities and Maintenance Biological Opinion |
| RAMP | Regional Advance Mitigation Planning (in California Central Valley) |
| RAMT | Recovery Action Mapping Tool (GIS-based tool) |
| RAO | West Coast <u>R</u> egional <u>A</u> dmistrative <u>O</u> ffice (West Coast Region; staff primarily located in |

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| | |
|--------------|---|
| RBOS | Refugio Beach Oil Spill |
| RC | Restoration Center (in NOAA Habitat Conservation) |
| RC | Restoration Coordinator |
| RCC | Regional Climate Center |
| RCD | Resource Conservation District |
| RCDP | Restoration and Compensation Determination Plan |
| RCNW | Restoration Center NW |
| RCPP | Regional Conservation Partnership Program (in Puget Sound, WA) |
| RCRA | Resource Conservation and Recovery Act of 1976 |
| RCW | Revised Code of Washington |
| RD | Remedial Design (used by EPA) |
| REACT | Renewable Ocean Energy Action Coordination Team (team within West Coast Governor's Alliance) |
| RecFIN | Recreational Fisheries Information Network |
| Regs Unit | Division within the NOAA Fisheries Office of Sustainable Fisheries (prepares documents for submission to the Federal Register) |
| RER | Rebuilding Exploitation Rate |
| REUI | Relative Energy Usage Index |
| RFA | Regulatory Flexibility Act |
| RFC | River Forecast Center |
| RFP | Request for Proposal |
| RGP | Regional General Permit |
| RGP 6 | Regional General Permits; #6 is modification of previously issued RGP 63 and RGP 64 |
| RHCA | Riparian Habitat Conservation Area |
| RI/FS | Remedial Investigation/Feasibility Study |
| RIA | Rocky Intertidal Assessments |
| RIEC | Regional Interagency Executive Committee (Regional Directors from various land management, regulatory, research and other relevant agencies in Fed. Govt. located in Northern California, Western Oregon, and Western WA) |
| RIOG | Regional Implementation Oversight Group |
| RIR/RIA | Regulatory Impact Review/Regulatory Impact Assessment |
| RIST | Recovery Implementation Science Team |
| RITC | Regional Information Technology Coordination (or Coordinator) |
| RITT | (Puget Sound) Recovery Implementation Technical Team |
| RiverRAT | River Restoration Assessment Tools |
| Rkm | River Kilometer |
| RLT | Regional Leadership Team (for WCR NMFS) |
| RM | River Mile |
| RME (RM & E) | Research, Monitoring & Evaluation |
| RMI | Republic of the Marshall Islands |
| RMP | Resource Management Plan (EPA uses RMP for Risk Mgmt. Plan instead) |
| RMS | Resource Management Specialist (in NMFS) |
| RMU inflow | River Mill Unregulated Inflow |
| RNA | Regulated Navigation Area |
| ROA | Regional Operating Agreement (required under the Operational Guidelines) |

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| | |
|----------------------|--|
| ROD | Record of Decision (NEPA and EPA use) |
| ROSS | Regional Open Space Strategy |
| ROV | Remotely Operated Vehicles |
| ROV | River Outlet Valve |
| RP | Research Program/Project |
| RPA | Reasonable and Prudent Alternative(s) |
| RPEA | Restoration & Programmatic Environmental Assessment |
| RPM | Reasonable and Prudent Measures |
| RPM | Remedial Project/Program Mgr. or Remedial Program Mgr.'s Database (EPA) |
| RPM | Radial Plume Mapping [U.S. EPA test method for area and fugitive source emission monitoring using optical remote sensing.] |
| RPM | Revolutions per minute |
| RRCSCBP | Russian River (CA) Coho Salmon Captive Broodstock Program |
| RRHFA | Russian River (CA) Habitat Focus Area |
| RRSNF | Rogue River - Siskiyou National Forest |
| RRT | Research Review Team or Restoration Review Team |
| RSH | Resilient Salmon Habitat |
| RSMC | Regional Specialized Meteorological Center |
| RSMIS | A real property or computerized data base |
| RSP | Relicensing Study Plan |
| RSSA | Resource Services Support Agreement |
| RSW | Removable Spillway Weir |
| RT | Radio-Tracking |
| RTE | Repairs-to-Extend |
| RVERS | Rio Vista Estuarine Research Station [Proposed facility to be constructed on the decommissioned City of Rio Vista Army Base; would consolidate 160 agency employees from various agencies such as Bureau of Reclamation, USFWS, Dept. of Fish & Game, etc. into the Interagency Ecological Program.] |
| RVIT | Round Valley Indian Tribes (in California) |
| RWQCB | Regional Water Quality Control Board |
| SA | Settlement Agreement |
| SA | Settlement Article |
| SAA | Satellite Active Archive |
| SAC | Sanctuary Advisory Council |
| SACTO | Sacramento Area Commerce & Trade Organization |
| SageCon | Sage Grouse Conservation Partnership |
| SAIC | Science Applications International Corporation |
| SAIL | Salmon & Sturgeon Assessment and Indicators by Life stages (Lifestages) |
| SAM | Seasonal Area Management |
| SAM | System for Award Management (for U.S. grants and contracts) |
| SAMP | Special Area Management Plan |
| San Joaquin E:I Flex | Flexible Implementation of the San Joaquin River Inflow-to-Export Ratio |
| SANS | Ship Arrival Notification System |
| SAP | Strategic Action Plan |
| SAP | Sampling Analysis Plan (used in sediment evaluation and ?) |

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| | |
|---------|--|
| SAR | Smolt-to Adult Return Rate |
| SAR | Stock Assessment Report |
| SAR | Synthetic Aperture Radar |
| SARA | Superfund Amendments and Reauthorization Act of 1986 |
| SAS | Scientific Advisory Subcommittee (part of IATTC) |
| SAS | Sighting Advisory System |
| SBA | Small Business Administration |
| SBC | Sort by Code |
| SBIR | Small Business Innovation Research (federal grant program) |
| SBNWR | Seal Beach National Wildlife Refuge (in California) |
| SBOR | Special Board of Review |
| SBT | Shoshone-Bannock Tribes (Fort Hall Indian Reservation in southeast ID) |
| SBV | Synchronous Bypass Valve |
| SC | Steering Committee (acronym used by CCVO group) |
| SCA | Supplemental Comprehensive Analysis |
| SCAB | Steelhead and Chinook above Barriers Committee |
| SCD | San Clemente Dam |
| SCL | Straight Carapace Length (used in measuring Sea Turtles) |
| SCNF | Salmon-Challis National Forest (in Idaho) |
| SCOSP | San Clemente Open Space Preserve |
| SCRCD | Sutter County (CA) Resource Conservation District |
| SCSN | Southern California Seismic Network |
| SCT | System Configuration Team [Columbia River multi-agency team reviewing the physical make-up of the hydroelectric system in the Columbia River basin (dams, fish screens, etc.); prioritizes capital expenditures on system config. facilities to improve fish passage.] |
| SCVWD | Santa Clara Valley Water District (in California) |
| SCWA | Sonoma County Water Agency |
| SCWRCD | South Central Washington Resource Conservation & Development Council |
| SDOT | Seattle Department of Transportation |
| SDWA | Safe Drinking Water Act |
| SE | Standard Error |
| SEAK | Southeast Alaska |
| SeaWIFS | Sea-Viewing Wide Field-of-View Sensor [Satellite sensor that collected global ocean biological data, especially quantifying chlorophyll produced by marine phytoplankton; launched in 1997 and collected data until late 2010.] |
| SEF | Sediment Evaluation Framework |
| SELFE | Semi-implicit Eulerian-Lagrangian Fine-Element Model [Particle tracking analysis tool used in hydrodynamic modeling (simulates material trajectories); used in coastal mgmt. for estimating fluid flow/transport (e.g., wastewater outfall, chemical spills).] |
| SEP | Scientific Evaluation Process (separate and public process to develop biological goals and objectives) |
| SEP | Supplemental Environmental Project |
| SEPA | State Environmental Policy Act (state of Washington) |
| SEPESCA | Mexican Secretariat of Fisheries |
| SEP-STA | Scientific Evaluation Process for San Joaquin Tributary Accord |

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| | |
|-------------------|--|
| SER | Standard Environmental Reference (online resource to help state/local agencies plan, prepare, submit, and evaluate environmental docs for transportation projects) |
| SERNW | Society for Ecological Restoration Northwest |
| SES | Senior Executive Service |
| SESC | Space Environment Services Center |
| SETAC | Society of Environmental Toxicity and Chemistry |
| SF | Sustainable Fisheries |
| SF | South Fork (South Fork of any river) |
| SFC | Southern Flow Corridor (project to remove impediments to flood flows in lower Wilson River floodplain in Tillamook County, Oregon) |
| SFD | Sustainable Fisheries Division (part of WCR of NOAA Fisheries) |
| SFEB | Seattle Federal Executive Board |
| SFSR | South Fork Salmon River |
| SGMA | Sustainable Groundwater Management Act |
| SHA | Safe Harbor Agreement |
| SIA | Stable Isotope Analysis |
| SIMPAS | Simulated Passage (model) |
| SIO | Scripps Institution of Oceanography |
| SIP | Seafood Inspection Program (NOAA) |
| SIP | Special Investment Partnership |
| SIR | Supplemental Information Report |
| SIWG | Species Interaction Work Group |
| SJRRP | San Joaquin River Restoration Program |
| SJTA | San Joaquin Tributaries Authority (coalition of water agencies) |
| SK | Saltonstall-Kennedy Grants |
| SL | Screening Level |
| SLAM | Salmon Life-Cycle Analysis Module/Model |
| SLOPES | Standard Local Operating Procedures for Endangered Species (similar to a Programmatic Biological Opinion) |
| SLS | Sustainable Lands Strategy (in NOAA Restoration) |
| SMA | Seasonal Management Area |
| SMD | Salmon Management Division (former division in NWR of NOAA Fisheries) |
| SMF | Smolt Monitoring Facility |
| SMM | Society for Marine Mammalogy |
| SMP | Smolt Monitoring Project |
| SO2 | Sulfur Dioxide |
| SOD | South of Delta (south of the San Francisco Bay-Delta area) |
| SOF | Statement of Findings |
| SOI | Southern Oscillation Index |
| SONAR | Sound Navigation and Ranging |
| SONCC | Southern Oregon/Northern California Coast |
| SONGS | San Onofre Nuclear Generation Station |
| SOP | Standard Operating Procedure |
| SOPP | Statement of Organization, Practices, and Procedures |
| SOSUS | Sound Surveillance System |
| Southern Resident | Southern Resident Killer Whale |

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| | |
|---------------|--|
| SOW | Statement of Work |
| SOx | Sulfur Oxides |
| SPAZ | Salmon Population Analyzer (modeling program being developed) |
| SPI | Sierra Pacific Industries |
| Spillbay | Spillbay: the concrete chute part of a spillway. Forebay is where water collects behind the dam; it travels through the spillbay(s); ends up in the tailrace. |
| Spillway | Spillway: structure used to release flows from dams or levees into a down- stream area; controlled spillways have gates to regulate flow; uncontrolled spillways release water when it's above the spillway lip. Many types: chute, stepped, bell-mouth, labyrinth, drop |
| SPN | Shared Processing Network |
| SPR | Spawning Potential Ratio |
| SPREP | South Pacific Regional Environment Program |
| SPUE | Sightings Per Unit Effort |
| sq | Squared |
| SQG / SQS | Sediment Quality Guidline(s) or Sediment Quality Standards |
| SQL | Sample Quantitation Limit(s) - used in sediment evaluation |
| SR | Snake River |
| SRF | Salmonid Restoration Federation |
| SRF | Six Rivers National Forest |
| SRFB | Salmon Recovery Funding Board |
| SRFC | Sacramento River Fall Chinook |
| SRfCH (SRFCH) | Snake River fall Chinook |
| SRKW | Southern Resident Killer Whales |
| SRP | Sustainable Rivers Project |
| SRS | Sediment Retention Structure (on Toutle River, from Mt. St. Helens eruption) |
| SRSRB | Snake River Salmon Recovery Board |
| SRTTG | Sacramento River Temperature Task Group |
| SRWG | Studies Review Work Group |
| S/S | Spring/Summer (e.g., Spring/Summer Chinook) |
| SS | System Survival Standard |
| SSD | Species Sensitivity Distribution |
| SSL | Soil Screening Level |
| SSLL | Shallowset Longlining (type of fishing gear) |
| SSMC | Silver Spring Metro Center |
| SST | Sea Surface Temperature |
| SST | Salmonid Scoping Team |
| STAA | Surface Transportation Assistance Act [Federal act that allows large trucks that meet federal standards to operate on routes that are part of the National Network - includes the interstate highways.] |
| STAC | Scientific and Technical Advisory Committee |
| STEP | Salmon and Trout Enhancement Project |
| STLC | Save the Lake Coalition |
| STS | Submersible Traveling Screen |
| STTR | Small Business Technology Transfer (federal grant program) |
| SURTASS | Surveillance Towed Array Sensor System |
| SUSCOS | Subcommittee on US Coastal Ocean Science |

ACRONYMS, TERMS, and ABBREVIATIONS for NOAA Fisheries

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| | |
|-------|---|
| SWATH | Small Waterplane Area Twin Hull |
| SWCD | Santiam Water Control District |
| SWFSC | Southwest Fisheries Science Center |
| SWG | Settlement Working Group; also Smelt Working Group (Delta in CA) |
| SWIF | System-Wide Improvement Framework |
| SWMP | System-Wide Monitoring Program |
| SWMP | Storm Water Management Plan |
| SWP | State Water Project [Water transportation system owned and operated by State of CA, reaching from northern Lake Oroville to Perris Lake in Southern CA. Works w/CVP.] |
| SWRCB | State Water Resources Control Board (CA) |
| SYRCL | South Yuba River Citizens League |
| T&A | Time and Attendance |
| TAC | Technical Advisory Committee |
| TAC | Total Allowable Catch |
| TAF | Thousand Acre-Feet |
| TAILS | Tracking and Integrated Logging System (Fish & Wildlife Service) |
| TALFF | Total Allowable Level of Foreign Fishing |
| TAG | Technical Advisory Group |
| TAO | Tropical Atmosphere Ocean |
| TAP | Trajectory Analysis Planner (used by NOAA Restoration Center) |
| TBD | To Be Determined |
| TCFS | Thousand Cubic Feet per Second |
| TDA | The Dalles Dam (The Dalles Lock and Dam) - Columbia River |
| TDG | Total Dissolved Gases |
| TED | Turtle Excluder Device |
| TEF | Toxic or Toxicity Equivalency Factor |
| TEMA | Training, Education, and Mutual Assistance |
| TEQ | Toxicity Equivalent |
| TFAC | Tolt Fish Advisory Commission (Tolt River near Seattle, WA) |
| TIQ | Trawl Individual Quota (for fishing vessels) |
| TIROS | Television Infrared Observation Satellite |
| TL | Total Length (length of fish measured from tip of snout to posterior end of last vertebra - excludes the caudal fin). |
| TLT | Tribal Liaison Team |
| TMC | Trinity (River) Management Council |
| TMDL | Total Maximum Daily Load |
| TMT | Trustee Management Team |
| TMWC | Trinity River (CA) Adaptive Management Working Group |
| TNC | The Nature Conservancy |
| TOC | Technical Oversight Committee |
| TOC | Total Organic Carbon |
| TOGA | Tropical Ocean Global Atmosphere (Program) |
| TOPEX | Ocean Topography Experiment |
| TPA | Hanford Federal Facility Agreement and Consent Order known as the <u>Tri-Party Agreement</u> (1989) |
| TPEC | Technical Proposal and Evaluation Committee |

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| | |
|--------|--|
| TPH | Total Petroleum Hydrocarbons |
| TRA | Tissue Residue Approach |
| TRAR | Treaty Rights at Risk [Western Washington Native American tribes working for salmon recovery so their treaty rights can be preserved.] |
| TRat | Trawl Rationalization (e.g., Pacific coast groundfish trawl rationalization program which is also called the Catch Share Program) |
| TRC | Trustee Restoration Council |
| TRD | Trinity River Division |
| TRMM | Tropical Rainfall Measuring Mission |
| TRMP | Terrestrial Resources Management Plan |
| TRP | Take Reduction Plan |
| TRRP | Trinity River (CA) Restoration Program |
| TRT | Technical Recovery Team |
| TRT | Take Reduction Team |
| TSC | Technical Subcommittee of Canada-U.S. Groundfish Committee |
| TSC | Technical Service Center |
| TSS | Total Suspended Solids |
| TSS | Traffic Separation Scheme |
| TSW | Temporary Spill Weir |
| TTL | Target Tissue Level |
| TTS | Temporary Threshold Shift |
| TTVP | Tuna Tracking and Verification Program |
| TU | Temperature Unit |
| TU | Trout Unlimited |
| TUCP | Temporary Urgency Change Petition (water flow change request) |
| TWG | Technical Work Group |
| UAR | Upper Atmosphere Research Satellite |
| UCAR | University Corporation for Atmospheric Research |
| UCR | Upper Columbia River |
| UCSRB | Upper Columbia Salmon Recovery Board |
| UCUT | Upper Columbia United Tribes |
| UMEs | Unusual Mortality Events |
| UMP | Upper Mantle Project |
| UMS | Unified Messaging System (NOAA uses this to manage email, etc.) |
| UN | United Nations |
| UNCED | United Nations Conference on Environment and Development |
| UNCLOS | UN Convention on the Law of the Sea |
| UNCSTD | United Nations Center for Science & Technology for Development |
| UNDP | United Nations Development Program |
| UNEP | United Nations Environmental Program |
| UNESCO | United Nations Educational, Scientific and Cultural Organization |
| UNF | Umatilla National Forest |
| UNITAR | United Nations Institute for Training and Research |
| UNOLS | University-National Oceanographic Laboratory System |
| UNREG | Unregulated Conditions |
| URL | Uniform Resource Locator |
| USACE | United States Army Corps of Engineers [Can use "Corps" instead of USACE] |

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| | |
|------------|--|
| USBR | United States Bureau of Reclamation (also see BuRec) |
| USBWP | Upper Salmon Basin Watershed Project |
| USC | United States Code |
| USCG | United States Coast Guard |
| USDA | United States Department of Agriculture |
| USDA-FS | United States Department of Agriculture - Forest Service |
| USDI | United States Department of Interior |
| USDIS | United States Data and Information System |
| USDOE | U.S. Department of Energy |
| USDOT | United States Department of Transportation |
| USEPA | United States Environmental Protection Agency |
| USFS | United States Forest Service |
| USFWS | U.S. Fish and Wildlife Services |
| USG | U.S. Government |
| USGCRP | U.S. Global Change Research Program |
| USGS | U.S. Geologic Survey |
| USIA | United States Information Agency |
| USIS | U.S. Information Service |
| USNPS | United States National Park Service |
| USTR | United States Trade Representative (office of) |
| UTL | Upper Tolerance Limit |
| UV-B | Ultraviolet-Biological |
| UWR | Upper Willamette River |
| VADM | Vice Admiral (NOAA Corps) |
| VARQ | Variable (VAR) Outflow (Q) |
| VAS | Visible (Infrared Spin-Scan Radiometer) Atmospheric Sounder |
| VBS | Vertical Barrier Screen |
| VCP | Voluntary Cooperation Program |
| VDI | Voluntary Drought Initiative [Introduced by NOAA Fisheries and CA Dept. of Fish & Wildlife to protect salmon and steelhead from the effects of the drought.] |
| VENTEX | Venting Experiment |
| VFDD | Vern Freeman Diversion Dam |
| VHF | Very High Frequency |
| VHPCC | very High Performance Computing and Communications |
| VIC | Variable Infiltration Capacity |
| VISSR | Visible Infrared Spin-Scan Radiometer |
| VLBI | Very Long Baseline Interferometry |
| VMS | Vessel Monitoring System [Satellite surveillance system used to monitor commercial fishing vessels in the US Exclusive Economic Zone and treaty areas.] |
| VOC | Volatile Organic Compounds |
| VOS | Voluntary Observing Ship |
| VPH | Volatile Petroleum Hydrocarbon |
| VSP | Viable Salmon Population |
| VSRP | Voluntary Speed Reduction Program |
| W/LC | Willamette/Lower Columbia |
| WA DNR (or | Washington State Department of Natural Resources |

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| | |
|--------|---|
| WAG | Wetlands Advisory Group (in NOAA Restoration) |
| WAGIT | Washington (WA) Gorge Implementation Team |
| WAM | Wave Model |
| WASC | Western Administration Support Center |
| WATER | Willamette Action Team for Ecosystem Restoration |
| WCCC | West Coast Corridor Coalition (AK, WA, OR, CA) |
| WCGA | West Coast Governor's Alliance |
| WCGOP | West Coast Groundfish Observer Program |
| WCODP | West Coast Ocean Data Portal |
| WCP | Willamette Conservation Plan |
| WCPFC | Western & Central Pacific Fisheries Commission [International fisheries agreement to ensure sustainable use of migratory fish stock through effective management & conservation.] |
| WCR | West Coast Region (NWR and SWR of NOAA Fisheries merged on 10/1/2013 to form this new region) |
| WCRO | West Coast Regional Office (Seattle, Portland, Sacramento, or Long Beach) |
| WCRP | World Climate Research Programme |
| WCSBRT | West Coast Salmon Biological Review Team |
| WDC | World Data Center |
| WDF | Washington Department of Fisheries |
| WDFW | Washington Department of Fish and Wildlife |
| WDNR | Washington Department of Natural Resources |
| WDOE | Washington (state) Department of Ecology |
| WDOE | Washington (state) Department of Energy |
| WFMD | World Fish Migration Day (5/24/2014 - one day global event) |
| WFMO | (NOAA) Workforce Management Office |
| WFO | Weather Forecast Office |
| WFOP | Willamette Fish Operations Plan |
| WFPOM | Willamette BiOp Fish Passage, Operations & Maintenance |
| WFSWG | Wood for Salmon Working Group (in Central Coast CA - restoration for coho) |
| WGD | Working Group Data |
| WH | Willamette Hatchery |
| WHO | World Health Organization |
| WHOI | Woods Hole Oceanographic Institute |
| WIne | Watershed Improvement Network |
| WLCTRT | Willamette/Lower Columbia Technical Recovery Team |
| WMA | Wildlife Management Area |
| WMO | World Meteorological Organization |
| WMP | Wildlife Management Plan |
| WNF | Willamette National Forest |
| WNFLRD | Willamette National Forest Lowell Ranger District |
| WOB | Western Operations Branch (NOAA Finance & Travel Admin.) |
| WOCE | World Ocean Circulation Experiment |
| WOMT | Water Operations Management Team (in CA Central Valley) |
| WOPR | Western Oregon Plan Revision (BLM plan for logging, etc. on public land) |
| WORP | Western Oregon Programmatic |

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| | |
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| WQC | Water Quality Criteria |
| WQMP | Water Quality Management Plan |
| WQPP | Water Quality Protection Program |
| WQPP | Water Quality Partnership Program (between USNPS and USGS) |
| WQT | Water Quality Team |
| WQTC | Water Quality and Temperature Control Committee |
| WRC | Western Regional Center - NOAA's Western Regional Center in Seattle on Lake Washington (7600 Sand Point Way NE, Seattle, WA 98115) |
| WRDA | Water Resources Development Act of 1950 |
| WRECIC | Western Regional Environmental Conditions and Impacts Coordination |
| WRI | Willamette Restoration Initiative |
| WRIA 8 | Lk. Washington/Cedar/Sammamish Watershed <u>W</u> ater <u>R</u> esource <u>I</u> nventory <u>A</u> rea 8 |
| WSDOT | Washington State Department of Transportation |
| WSFO | Weather Service Forecast Office |
| WSO | Weather Service Office |
| WSR-88D | Weather Surveillance Radar |
| WTC | Water Temperature Control |
| WTG | Wind Turbine Generator |
| WTO | World Trade Organization |
| WTP | Water Treatment Plant |
| WUA | Weighted Usable Area |
| WWB | World Weather Building |
| WWG | Wildlife Work Group |
| WWNF | Wallowa-Whitman National Forest |
| WWOANW | Whale Watch Operators Association Northwest |
| WWPI | Western Wood Preservers Institute |
| WWR | World Weather Records |
| WWTP | Wastewater Treatment Plant |
| WY | Water Year |
| XBT | Expendable Bathythermograph |
| Yakama | Yakama Indian Nation |
| YOY | Young-of-the-Year (type of Monitoring) |
| YSF | Yuba Salmon Forum |
| YSPI | Yuba Salmon Partnership Initiative |
| YTAHP | Yakima Tributary Access & Habitat Program (2001) [Yakima Basin salmon recovery] |
| μS/cm | Electrofishing & Conductivity Centimeter |
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