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## ACRONYMS AND ABBREVIATIONS

4WD	4-wheel drive
ac	acres
AD	adipose fin clipping
ADAAG	Americans with Disabilities Act Accessibility Guidelines for Buildings & Facilities
APE	Area of Potential Effect
APEA	Applicant-Prepared Environmental Assessment
ARG	Aquatics Resource Group
ATS	Advanced Telemetry Systems
ATV	all terrain vehicle
BLM	Bureau of Land Management
BP	Before Present
CCCP	Cowlitz County Comprehensive Plan
CCSCP	Cowlitz County Shoreline Management Master Program
CDF	critical dewatering flow
CIT	Cowlitz Indian Tribe
cm	centimeters
Corps	U.S. Army Corps of Engineers
CRG	Cultural Resource Group
CS plants	culturally sensitive plants
dbh	diameter at breast height
DEQ	(Oregon) Department of Environmental Quality
DNR	Washington Department of Natural Resources
DO	dissolved oxygen
DSF	day-second feet
EPA	U.S. Environmental Protection Agency
ESA	Endangered Species Act
FCC	Freshwater Chronic Criteria
FEMA	Federal Emergency Management Agency
FERC	Federal Energy Regulatory Commission
FIRM	Flood Insurance Rate Map
FR	Forest Road
FWS	U.S. Fish and Wildlife Service
GIS	geographic information system
GPNF	Gifford Pinchot National Forest
GPS	global positioning satellite
ha	hectares
HCC	Hydro Control Center
HCP	Habitat Conservation Plan
HEP	Habitat Evaluation Procedure
Hg	mercury
HPC	Hydrometeorological Prediction Center
HPMP	Historic Properties Management Plan
HSC	Habitat suitability criteria

HSI	Habitat Suitability Index
HUD	Department of Housing and Urban Development
IDL	Instrument Detection Limits
IFIM	Instream Flow Incremental Methodology
IHA	Index of hydraulic alteration
IP	International Paper
KOP	Key Observation Point
KSFD	1,000 second feet per day
LAC	Limits of Acceptable Change
LVAD	left ventral adipose fin
LWD	large woody debris
NESC	Northwest Energy Services Company
NGO	non-governmental agency
NGVD	National Geodetic Vertical Datum
NOAA	National Oceanic and Atmospheric Administration
NOECs	No observable effects concentrations
NPDES	National Pollutant Discharge Elimination System
NPPC	Northwest Power Planning Council
NRHP	National Register of Historic Places
NRPA	National Recreation and Parks Association
NSOs	natural sequence orders
NTU	nephelometric turbidity unit
NWPP	Northwest Power Pool
NWS	National Weather Service
OAHP	Office of Archaeology and Historic Preservation
OHWL	Ordinary High Water Level
O&M	operations and maintenance
PAH	polycyclic aromatic hydrocarbon
PAOT	persons-at-one time
PCB	polychlorinated biphenyl
PCC	Portland Control Center
PHABSIM	Physical Habitat Simulation
PHS	Priority Habitat Species
PM&E	Protection, Mitigation, and Enhancement Measure
PPL	Pacific Power and Light
PSMFC	Pacific States Marine Fisheries Commission
PUD	Public Utility District
PWC	personal watercraft
QA/QC	Quality Assurance/Quality Control
QPF	Quantitative Precipitation Forecast
READ	Resource Enhancement Alternatives Document
RM	River Mile
RMAP	Road maintenance and abandonment program
ROS	Recreation Opportunity Spectrum
ROW	rights-of-way
RRG	Recreation Resource Group

RRMP	Recreation Resource Management Plan
RV	recreation vehicle
RVD	recreation visitor day
RVAD	right ventral adipose fin
SBR	Swift bypass reach
S/M species	survey and manage species
SCORP	Statewide Comprehensive Outdoor Recreation Plan
sd	standard deviation
SI	Suitability Indices
SOP	Standard Operating Procedures
SR	State Route
TCP	Traditional Cultural Property
TDG	total dissolved gas
TES	threatened, endangered, or sensitive species
TPH	total petroleum hydrocarbon
TPN	total persulfate nitrogen
TRG	Terrestrial Resource Group
TWG	Technical Work Group
TY	Target Year
USFS	United States Forest Service
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
VAF	velocity adjustment factors
VECC	Variable Energy Content Curves
WAC	Washington Administrative Code
WDF	Washington Department of Fisheries
WDFW	Washington Department of Fish and Wildlife
WDG	Washington Department of Game
WDOE	Washington Department of Ecology
WNHP	Washington Natural Heritage Program
WSDOT	Washington State Department of Transportation
WSEL	water surface elevation
WSWCB	Washington State Weed Control Board
WUA	Weighted Usable Area
WY	Water Year
YN	Yakama Nation