

## Appendix E | Fish Passage - Glossary of Terms and Acronyms

Common terms and acronyms found in the Fish Passage Profiles Evaluation Summary report and accompanying appendices

Term / Acronym	Definition
<b>2002 Biological Opinion (BiOp)</b>	Biological Opinion for the Potter Valley Project issued by NMFS to protect salmonids listed under the Endangered Species Act.
<b>AF</b>	acre feet
<b>Block Water</b>	2,500 acre-ft of water to be released from Cape Horn Dam to the Eel River for fisheries purposes; established in the 2002 Biological Opinion.
<b>CalTrout</b>	California Trout, Inc.
<b>CDFW</b>	California Department of Fish and Wildlife
<b>cfs</b>	cubic feet per second
<b>CHD</b>	Cape Horn Dam
<b>DO</b>	Dissolved Oxygen
<b>ESA</b>	Endangered Species Act
<b>False Weir</b>	A false weir routes flow through an internal portion of a weir to come out of the top crest of the weir to provide a false appearance to fish (e.g., imitating a waterfall). Fish will then leap over the weir and slide down into the reservoir.
<b>FERC</b>	Federal Energy Regulatory Commission
<b>Fish Ladder</b>	A type of fishway with steps, like rungs of a ladder, that allow fish to ascend to waters at a higher elevation.
<b>Fishway</b>	General term referring to any waterway design or operated specifically to provide fish passage. Fish ladders are types of fishways.
<b>FSC</b>	Floating Surface Collector - FSCs collect fish near the water surface and can therefore operate at a wide range of reservoir water surface elevations. FSCs usually have guide nets in the shape of a "V" that guide fish into the collector. For salmonids, a water current is also required to attract and guide fish into the collector.
<b>Kelt</b>	An adult salmonid after spawning that is returning to the sea.
<b>M&amp;H</b>	Mead and Hunt 2018 Technical Memorandum

<b>MJA</b>	McMillan Jacobs Associates Report
<b>NMFS</b>	National Marine Fisheries Service
<b>NOAA</b>	National Oceanic and Atmospheric Administration
<b>O&amp;M</b>	Operations and Management
<b>PG&amp;E</b>	Pacific Gas & Electric Company
<b>PVID</b>	Potter Valley Irrigation District
<b>PVP</b>	Potter Valley Project
<b>RotR</b>	Run of the River
<b>RPA</b>	(Reasonable and Prudent Alternatives) flows - Potter Valley Project RPA includes Eel River flow requirements established in the 2002 Biological Opinion.
<b>RVIT</b>	Round Valley Indian Tribes
<b>Screw Pump / Archimedes Screw</b>	Comprised of a long worm wheel (or screw) in a diagonal pipe or open trough. As the screw rotates, water is lifted to a higher elevation.
<b>SD</b>	Scott Dam
<b>SH</b>	Steelhead Trout
<b>Smolt</b>	A stage of a salmonid life cycle that is getting ready to go out to sea.
<b>US FWS</b>	U.S. Fish and Wildlife Service
<b>VAFS</b>	Van Arsdale Fisheries Station
<b>Volitional Passage</b>	The Ad Hoc Fish Passage Working Group defined volitional passage as supporting fish natural behavior and life history expression. The passage option allows adult fish to make volitional choices related to spawning location and timing (e.g., site fidelity, mainstem or tributary, no delays). The passage option allows juvenile fish to imprint on natal streams and express diverse rearing and migration strategies. The fish passage option does not entail selective pressures that would limit life history adaptation and phenotype or genotype expression.
<b>WHOOSH</b>	WHOOSH Innovations is a company from Seattle that developed a system whereby adult sized fish can be transported within a flexible tube using air pressure.