

**WORKING DRAFT – MAY CONTAIN ERRORS AND OMISSIONS.**  
**Initial Review of Habitat Restoration Actions in the Resources Agency VSA Proposal**

	<b>Habitat Restoration Project<sup>1</sup></b>	<b>Existing Commitment/ Planned Projects?<sup>2</sup></b>	<b>Notes</b>
Sacramento River	Gravel augmentation		CVPIA ongoing action? This has occurred over 9 times in the reach below Keswick Dam
Sacramento River	New spawning/ rearing habitat restoration up to 50 acres	<ul style="list-style-type: none"> <li>• <a href="http://resources.ca.gov/docs/Salmon-Resiliency-Strategy.pdf">http://resources.ca.gov/docs/Salmon-Resiliency-Strategy.pdf</a></li> <li>• CDFW WaterFix 2081 ITP, Attachment 2 at 72 (requires restoration of 80 acres of spawning and rearing habitat upstream of RBDD)</li> </ul>	
Sacramento River	Reduced lighting at Sacramento River bridges	<ul style="list-style-type: none"> <li>• CVPIA: <a href="https://www.usbr.gov/mp/cvpia/docs/2017-workplan-cvpia.pdf">https://www.usbr.gov/mp/cvpia/docs/2017-workplan-cvpia.pdf</a></li> </ul>	
Sacramento River	Predator suppression and control	<ul style="list-style-type: none"> <li>• CVPIA: <a href="https://www.usbr.gov/mp/cvpia/docs/2018-annual-work-plan.pdf">https://www.usbr.gov/mp/cvpia/docs/2018-annual-work-plan.pdf</a></li> </ul>	
Sacramento River	Inventory and reconnect historic oxbows and other off-channel habitat within project levees	<ul style="list-style-type: none"> <li>• <a href="http://resources.ca.gov/docs/Salmon-Resiliency-Strategy.pdf">http://resources.ca.gov/docs/Salmon-Resiliency-Strategy.pdf</a>;</li> <li>• CVPIA: <a href="https://www.usbr.gov/mp/cvpia/docs/2018-annual-work-plan.pdf">https://www.usbr.gov/mp/cvpia/docs/2018-annual-work-plan.pdf</a>;  <a href="https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24646">https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24646</a></li> </ul>	
Sacramento River	Market Street Gravel Placement	<ul style="list-style-type: none"> <li>• CVPIA: <a href="https://www.usbr.gov/mp/cvpia/docs/2018-annual-work-plan.pdf">https://www.usbr.gov/mp/cvpia/docs/2018-annual-work-plan.pdf</a>;  <a href="https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24646">https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24646</a></li> </ul>	

<sup>1</sup> <https://water.ca.gov/-/media/DWR-Website/Web-Pages/Blogs/Voluntary-Settlement-Agreement-Meeting-Materials-Dec-12-2018-DWR-CDFW-CNRA.pdf>

<sup>2</sup> Existing commitments analyzed to date include the: 2008 FWS biological opinion, 2009 NMFS biological opinion, Delta Smelt Resiliency Strategy, Salmon Resiliency Strategy, EcoRestore, WaterFix biological opinion, CDFW WaterFix 2081 ITP, CVPIA 2018 Annual Work Plan – Public Draft, CVPIA 2019 Annual Work Plan – Public Draft, and USBR Sacramento River Spawning Gravel Restoration and Monitoring Technical Report.

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		<ul style="list-style-type: none"> <li>• USBR 2013 Alternatives Technical Report – Spawning Gravel Injection</li> </ul>	
Sacramento River	Keswick Dam Gravel Injection Site	<ul style="list-style-type: none"> <li>• CVPIA: <a href="https://www.usbr.gov/mp/cvpia/docs/2018-annual-work-plan.pdf">https://www.usbr.gov/mp/cvpia/docs/2018-annual-work-plan.pdf</a>; <a href="https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24646">https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24646</a></li> <li>• USBR 2013 Alternatives Technical Report – Spawning Gravel Injection</li> </ul>	
Sacramento River	Salt Creek Gravel Injection Site	<ul style="list-style-type: none"> <li>• Ongoing injections since 1997 by BOR under CVPIA: <a href="https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=4101">https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=4101</a></li> <li>• <a href="https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24639">https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24639</a></li> <li>• USBR 2013 Alternatives Technical Report – Spawning Gravel Injection</li> </ul>	
Sacramento River	Turtle Bay Island Side Channels and Gravel	<ul style="list-style-type: none"> <li>• CVPIA: <a href="https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24639">https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24639</a></li> </ul>	
Sacramento River	Kutras Lake Project	<ul style="list-style-type: none"> <li>• CVPIA: <a href="https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24639">https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24639</a></li> </ul>	
Sacramento River	Side Channel Habitat   Cypress Ave Bridge Downstream Project	<ul style="list-style-type: none"> <li>• CVPIA: <a href="https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24639">https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24639</a></li> <li>• USBR 2013 Alternatives Technical Report – Spawning Gravel Injection</li> </ul>	

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Sacramento River	Shea Levee & Channel Rearing	<ul style="list-style-type: none"> <li>CVPIA: <a href="https://www.usbr.gov/mp/nepa/includes/documentShow.php?doc_ID=24639">https://www.usbr.gov/mp/nepa/includes/documentShow.php?doc_ID=24639</a></li> <li>USBR 2013 Alternatives Technical Report – Spawning Gravel Injection</li> </ul>	May also be used to meet habitat restoration requirements in the <a href="#">California WaterFix Biological Opinion</a> <sup>3</sup>
Sacramento River	Tobiasson Side Channel / South Bank	<ul style="list-style-type: none"> <li>CVPIA: <a href="https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24639">https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24639</a></li> <li>USBR 2013 Alternatives Technical Report – Spawning Gravel Injection</li> </ul>	
Sacramento River	South Shea Levee	<ul style="list-style-type: none"> <li>CVPIA: <a href="https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24639">https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24639</a></li> <li>USBR 2013 Alternatives Technical Report – Spawning Gravel Injection</li> </ul>	
Sacramento River	Kapusta Island & River Right Bank Channel / Rearing	<ul style="list-style-type: none"> <li>CVPIA: <a href="https://www.usbr.gov/mp/cvpia/docs/2018-annual-work-plan.pdf">https://www.usbr.gov/mp/cvpia/docs/2018-annual-work-plan.pdf</a>; <a href="https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24646">https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24646</a></li> </ul>	May also be used to meet habitat restoration requirements in the <a href="#">California WaterFix Biological Opinion</a>
Sacramento River	Anderson River Park Channel / Rearing		May be used to meet habitat restoration requirements in the <a href="#">California WaterFix Biological Opinion</a>
Sacramento River	China Gardens Side Channel		May be used to meet habitat restoration requirements in the

<sup>3</sup> “Consistent with the 2081(b) ITP, the goal of this effort is to contribute to the quantity, quality, and diversity of important rearing habitat along the Sacramento River corridor for CHNWR, CHNSR, and steelhead, and may include use of mitigation bank(s) as appropriate” WaterFix biop at 3-130; *see also* CDFW WaterFix 2081 ITP at 211-212 (requiring 154.8 acres of tidal perennial habitat restoration and 4.3 miles of channel margin habitat restoration as mitigation for WaterFix).

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			<a href="#">California WaterFix Biological Opinion</a>
Sacramento River	Reading Island Channel / Rearing	<ul style="list-style-type: none"> <li>CVPIA: <a href="https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24639">https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24639</a></li> </ul>	May be used to meet habitat restoration requirements in the <a href="#">California WaterFix Biological Opinion</a>
Sacramento River	Off-Channel Rearing Habitat Restoration on Battle Creek	<ul style="list-style-type: none"> <li><a href="http://resources.ca.gov/docs/Salmon-Resiliency-Strategy.pdf">http://resources.ca.gov/docs/Salmon-Resiliency-Strategy.pdf</a></li> <li>NMFS 2009 biological opinion requirement: <a href="https://www.westcoast.fisheries.noaa.gov/publications/Central_Valley/Water%20Operations/Operations,%20Criteria%20and%20Plan/040711_ocap_opinion_2011_amendments.pdf">https://www.westcoast.fisheries.noaa.gov/publications/Central_Valley/Water%20Operations/Operations,%20Criteria%20and%20Plan/040711_ocap_opinion_2011_amendments.pdf</a></li> </ul>	May be used to meet habitat restoration requirements in the <a href="#">California WaterFix Biological Opinion</a>
Sacramento River	Rancho Breisgau Channel / Rearing		May be used to meet habitat restoration requirements in the <a href="#">California WaterFix Biological Opinion</a>
Sacramento River	Rio Vista Side Channel		
Sacramento River	East Sand Slough	<ul style="list-style-type: none"> <li>CVPIA: <a href="https://www.usbr.gov/mp/cvpia/docs/2018-annual-work-plan.pdf">https://www.usbr.gov/mp/cvpia/docs/2018-annual-work-plan.pdf</a></li> </ul>	
Sacramento River	<p>Hamilton City Levee Setback &amp; Floodplain / Riparian Enhancement</p> <p>Complete Hamilton City set back levee with appropriate floodplain habitat within 5 years.</p>		<p>Already constructed, revegetation is complete or near complete – unless they have another phase in mind. Project initiated in 2001; authorized in 2007 WRDA; appropriated in 2013 WRDA.</p> <p><a href="https://www.sacramentoriver.org/forum/publications/hamilton_city_docs/Project%20Fact%20She">https://www.sacramentoriver.org/forum/publications/hamilton_city_docs/Project%20Fact%20She</a></p>

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			<a href="#">et%20with%20map%20wcp%20081412.pdf</a>
Sacramento River	Tisdale Weir and Bypass Multi-Benefit Project	<ul style="list-style-type: none"> <li>• <a href="http://resources.ca.gov/docs/Salmon-Resiliency-Strategy.pdf">http://resources.ca.gov/docs/Salmon-Resiliency-Strategy.pdf</a></li> <li>• <a href="https://www.usbr.gov/mp/cvpia/docs/2019-annual-workplan-draft.pdf">https://www.usbr.gov/mp/cvpia/docs/2019-annual-workplan-draft.pdf</a></li> </ul>	
Sacramento River	Screen Natomas Mutual Water Company	<ul style="list-style-type: none"> <li>• <a href="http://resources.ca.gov/docs/Salmon-Resiliency-Strategy.pdf">http://resources.ca.gov/docs/Salmon-Resiliency-Strategy.pdf</a></li> </ul>	
Sacramento River	North Bay Aqueduct Alternate Intake	<ul style="list-style-type: none"> <li>• <a href="https://water.ca.gov/LegacyFiles/pubs/waterquality/municipal_wq_investigations/mwqi_reports/barker_slough_watershed_n_bay_aqueduct_phase_1_-_july_1998/no.18_-_barker_slough_watershed_n_bay_aqueduct_phase_1_-_july_1998.pdf">https://water.ca.gov/LegacyFiles/pubs/waterquality/municipal_wq_investigations/mwqi_reports/barker_slough_watershed_n_bay_aqueduct_phase_1_-_july_1998/no.18_-_barker_slough_watershed_n_bay_aqueduct_phase_1_-_july_1998.pdf</a></li> </ul>	This has been a long-term water quality improvement project identified in many updates of the State Water Project Sanitary Survey due to elevated levels of e. coli, organic carbon, bromide, metals, etc. More recently rebranded as a fish/fish food conservation project
Sacramento River	Lower Putah Creek Realignment	<ul style="list-style-type: none"> <li>• <a href="http://resources.ca.gov/ecorestore/california-ecorestore-projects/f">http://resources.ca.gov/ecorestore/california-ecorestore-projects/f</a></li> <li>• NMFS 2009 biological opinion requirement: <a href="https://www.westcoast.fisheries.noaa.gov/publications/Central_Valley/Water%20Operations/Operations,%20Criteria%20and%20Plan/040711_ocap_opinion_2011_amendments.pdf">https://www.westcoast.fisheries.noaa.gov/publications/Central_Valley/Water%20Operations/Operations,%20Criteria%20and%20Plan/040711_ocap_opinion_2011_amendments.pdf</a></li> </ul>	
Sacramento River	Lisbon Weir	<ul style="list-style-type: none"> <li>• <a href="http://resources.ca.gov/ecorestore/california-ecorestore-projects/">http://resources.ca.gov/ecorestore/california-ecorestore-projects/</a></li> <li>• <a href="http://resources.ca.gov/docs/Salmon-Resiliency-Strategy.pdf">http://resources.ca.gov/docs/Salmon-Resiliency-Strategy.pdf</a></li> <li>• <a href="#">California WaterFix Biological Opinion</a></li> </ul>	

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		<ul style="list-style-type: none"> <li>NMFS 2009 biological opinion requirement: <a href="https://www.westcoast.fisheries.noaa.gov/publications/Central_Valley/Water%20Operations/Operations,%20Criteria%20and%20Plan/040711_ocap_opinion_2011_amendments.pdf">https://www.westcoast.fisheries.noaa.gov/publications/Central_Valley/Water%20Operations/Operations,%20Criteria%20and%20Plan/040711_ocap_opinion_2011_amendments.pdf</a></li> </ul>	
Sacramento River	Wallace Weir	<ul style="list-style-type: none"> <li><a href="http://resources.ca.gov/ecorestore/california-ecorestore-projects/">http://resources.ca.gov/ecorestore/california-ecorestore-projects/</a></li> <li><a href="http://resources.ca.gov/docs/Salmon-Resiliency-Strategy.pdf">http://resources.ca.gov/docs/Salmon-Resiliency-Strategy.pdf</a></li> <li><a href="#">California WaterFix Biological Opinion</a></li> </ul>	
Sacramento River	Fremont Weir	<ul style="list-style-type: none"> <li><a href="http://resources.ca.gov/ecorestore/california-ecorestore-projects/">http://resources.ca.gov/ecorestore/california-ecorestore-projects/</a></li> <li><a href="http://resources.ca.gov/docs/Salmon-Resiliency-Strategy.pdf">http://resources.ca.gov/docs/Salmon-Resiliency-Strategy.pdf</a></li> <li><a href="#">California WaterFix Biological Opinion</a></li> <li>NMFS 2009 biological opinion Requirement: <a href="https://www.westcoast.fisheries.noaa.gov/publications/Central_Valley/Water%20Operations/Operations,%20Criteria%20and%20Plan/040711_ocap_opinion_2011_amendments.pdf">https://www.westcoast.fisheries.noaa.gov/publications/Central_Valley/Water%20Operations/Operations,%20Criteria%20and%20Plan/040711_ocap_opinion_2011_amendments.pdf</a></li> </ul>	
Sacramento River	Knights Landing Outfall Gate	<ul style="list-style-type: none"> <li><a href="http://resources.ca.gov/ecorestore/california-ecorestore-projects/">http://resources.ca.gov/ecorestore/california-ecorestore-projects/</a></li> <li>NMFS 2009 biological opinion requirement: <a href="https://www.westcoast.fisheries.noaa.gov/publications/Central_Valley/Water%20Operations/Operations,%20Criteria%20and%20Plan/040711_ocap_opinion_2011_amendments.pdf">https://www.westcoast.fisheries.noaa.gov/publications/Central_Valley/Water%20Operations/Operations,%20Criteria%20and%20Plan/040711_ocap_opinion_2011_amendments.pdf</a></li> <li><a href="https://www.usbr.gov/mp/bdo/docs/bypass-fish-passage-implementation-plan.pdf">https://www.usbr.gov/mp/bdo/docs/bypass-fish-passage-implementation-plan.pdf</a></li> </ul>	Completed several years ago.

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Sacramento River	Screen Meridian Farms Water Company  <i>Propose to complete remaining high-priority fish screen projects.</i>	<ul style="list-style-type: none"> <li><a href="http://resources.ca.gov/docs/Salmon-Resiliency-Strategy.pdf">http://resources.ca.gov/docs/Salmon-Resiliency-Strategy.pdf</a></li> </ul>	Under study since 2002; CVPIA funding
Sacramento River	Colusa Drain Inundation Area/ Max flood: 21,628 acres		
Feather River	Hatchery Improvement Program & HGMP Implementation	<ul style="list-style-type: none"> <li>Permitting Requirement at hatcheries; FERC: <a href="https://www.researchgate.net/publication/264889759_Hatchery_and_Genetic_Management_Plan_for_Feather_River_Hatchery_Spring-run_Chinook_Salmon_Program">https://www.researchgate.net/publication/264889759_Hatchery_and_Genetic_Management_Plan_for_Feather_River_Hatchery_Spring-run_Chinook_Salmon_Program</a></li> </ul>	
Feather River	Creation & Improvement of Side Channel Habitat	<ul style="list-style-type: none"> <li>FERC Settlement Agreement: <a href="https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/State-Water-Project/Power/HLPCO/Relicensing/1--SWRCB-Water-Quality-Certification/2100-Oroville-State-Water-Res-Control-Board-Water-Quality-Certification-FERC-Relicensing--12212010.pdf">https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/State-Water-Project/Power/HLPCO/Relicensing/1--SWRCB-Water-Quality-Certification/2100-Oroville-State-Water-Res-Control-Board-Water-Quality-Certification-FERC-Relicensing--12212010.pdf</a></li> </ul>	
Feather River	Structural Habitat Program - LWD and boulder installations	<ul style="list-style-type: none"> <li>FERC Settlement Agreement: <a href="https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/State-Water-Project/Power/HLPCO/Relicensing/1--SWRCB-Water-Quality-Certification/2100-Oroville-State-Water-Res-Control-Board-Water-Quality-Certification-FERC-Relicensing--12212010.pdf">https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/State-Water-Project/Power/HLPCO/Relicensing/1--SWRCB-Water-Quality-Certification/2100-Oroville-State-Water-Res-Control-Board-Water-Quality-Certification-FERC-Relicensing--12212010.pdf</a></li> </ul>	
Feather River	Identification of Predation Hot Spots & Adaptive Management for Predator Reduction	<ul style="list-style-type: none"> <li>FERC Settlement Agreement: <a href="https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/State-Water-Project/Power/HLPCO/Relicensing/1--SWRCB-Water-Quality-Certification/2100-Oroville-State-Water-Res-Control-Board-Water-Quality-Certification-FERC-Relicensing--12212010.pdf">https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/State-Water-Project/Power/HLPCO/Relicensing/1--SWRCB-Water-Quality-Certification/2100-Oroville-State-Water-Res-Control-Board-Water-Quality-Certification-FERC-Relicensing--12212010.pdf</a></li> </ul>	

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Feather River	Lower Feather River Habitat Improvement Program	<ul style="list-style-type: none"> <li>FERC Settlement Agreement name for actions described above: <a href="https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/State-Water-Project/Power/HLPCO/Relicensing/Oroville-Facilities-Highlights-of-the-Settlement-Agreement-for-Licensing.pdf">https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/State-Water-Project/Power/HLPCO/Relicensing/Oroville-Facilities-Highlights-of-the-Settlement-Agreement-for-Licensing.pdf</a></li> </ul>	
Feather River	Oroville Wildlife Flood State Reduction Project – Rearing Habitat  <i>Weir improvements and ecosystem restoration and Oroville Wildlife Area to allow floodplain access (100-600 acres)</i>		SBFCA Project? Under construction.
Feather River	Restoration of Floodplain Habitat Within Existing Setback Levees		
Feather River	Riparian Floodplain Program	<ul style="list-style-type: none"> <li>FERC Settlement Agreement: <a href="https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/State-Water-Project/Power/HLPCO/Relicensing/Oroville-Facilities-Highlights-of-the-Settlement-Agreement-for-Licensing.pdf">https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/State-Water-Project/Power/HLPCO/Relicensing/Oroville-Facilities-Highlights-of-the-Settlement-Agreement-for-Licensing.pdf</a></li> </ul>	
Feather River	Riparian Floodplain Program Second Project	<ul style="list-style-type: none"> <li>FERC Settlement Agreement: <a href="https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/State-Water-Project/Power/HLPCO/Relicensing/Oroville-Facilities-Highlights-of-the-Settlement-Agreement-for-Licensing.pdf">https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/State-Water-Project/Power/HLPCO/Relicensing/Oroville-Facilities-Highlights-of-the-Settlement-Agreement-for-Licensing.pdf</a></li> </ul>	
Feather River	Gravel Supplementation Improvement Program, 10 projects within 10 years	<ul style="list-style-type: none"> <li>FERC Settlement Agreement: <a href="https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/State-Water-Project/Power/HLPCO/Relicensing/Oroville-Facilities-Highlights-of-the-Settlement-Agreement-for-Licensing.pdf">https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/State-Water-Project/Power/HLPCO/Relicensing/Oroville-Facilities-Highlights-of-the-Settlement-Agreement-for-Licensing.pdf</a></li> </ul>	



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Feather River	Gravel Augmentation	<ul style="list-style-type: none"> <li>FERC Settlement Agreement: <a href="https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/State-Water-Project/Power/HLPCO/Relicensing/Oroville-Facilities-Highlights-of-the-Settlement-Agreement-for-Licensing.pdf">https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/State-Water-Project/Power/HLPCO/Relicensing/Oroville-Facilities-Highlights-of-the-Settlement-Agreement-for-Licensing.pdf</a></li> </ul>	
Feather River	Feather River Setback Levee below Yuba River on River Left Floodplain Restoration		Partially completed as mitigation for TRLIA levee improvements/ setback: <a href="http://www.trlia.org/TRLIA%20F-RSMB%20ISMND_062515_WEB.pdf">http://www.trlia.org/TRLIA%20F-RSMB%20ISMND_062515_WEB.pdf</a>
Feather River	Abbot Lake Re-connection / Restoration		WCB Funding – project completed?: <a href="http://cvfpb.ca.gov/docs/meetings/2014/Item12A_18882_ISMND_NOD.pdf">http://cvfpb.ca.gov/docs/meetings/2014/Item12A_18882_ISMND_NOD.pdf</a>
Feather River	Star Bend Setback Levee Floodplain Restoration	<ul style="list-style-type: none"> <li><a href="http://www.stillwatersci.com/resources/2009Star_Bend_final_EA.pdf">http://www.stillwatersci.com/resources/2009Star_Bend_final_EA.pdf</a></li> </ul>	
Feather River	Nelson Slough Floodplain Restoration	<ul style="list-style-type: none"> <li><a href="http://frrfmp.com/wp-content/uploads/2013/02/FeatherRFMP-MainReportDraftFinal7-11-14-clean.pdf">http://frrfmp.com/wp-content/uploads/2013/02/FeatherRFMP-MainReportDraftFinal7-11-14-clean.pdf</a></li> </ul>	
Feather River	Remove Sunset Pumps & Associated Rock Dam	<ul style="list-style-type: none"> <li><a href="http://resources.ca.gov/docs/Salmon-Resiliency-Strategy.pdf">http://resources.ca.gov/docs/Salmon-Resiliency-Strategy.pdf</a></li> <li><a href="https://www.usbr.gov/mp/cvpia/docs/2019-annual-workplan-draft.pdf">https://www.usbr.gov/mp/cvpia/docs/2019-annual-workplan-draft.pdf</a></li> </ul>	

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Feather River	Segregation Weir	<ul style="list-style-type: none"> <li>• FERC Settlement Agreement: <a href="https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/State-Water-Project/Power/HLPCO/Relicensing/Oroville-Facilities-Highlights-of-the-Settlement-Agreement-for-Licensing.pdf">https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/State-Water-Project/Power/HLPCO/Relicensing/Oroville-Facilities-Highlights-of-the-Settlement-Agreement-for-Licensing.pdf</a></li> </ul>	
Feather River	Count Weir	<ul style="list-style-type: none"> <li>• FERC Settlement Agreement: <a href="https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/State-Water-Project/Power/HLPCO/Relicensing/Oroville-Facilities-Highlights-of-the-Settlement-Agreement-for-Licensing.pdf">https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/State-Water-Project/Power/HLPCO/Relicensing/Oroville-Facilities-Highlights-of-the-Settlement-Agreement-for-Licensing.pdf</a></li> </ul>	
Sutter Bypass	Sutter Bypass Weir 1 – Rehabilitation of Weir Structure & Fish Ladder	<ul style="list-style-type: none"> <li>• <a href="http://resources.ca.gov/docs/Salmon-Resiliency-Strategy.pdf">http://resources.ca.gov/docs/Salmon-Resiliency-Strategy.pdf</a></li> <li>• <a href="https://www.usbr.gov/mp/cvpia/docs/2019-annual-workplan-draft.pdf">https://www.usbr.gov/mp/cvpia/docs/2019-annual-workplan-draft.pdf</a></li> </ul>	
Sutter Bypass	Sutter Bypass Weir 2 - Multi-Benefit Project		DWR project; weir was rebuilt in 2013 with a new fish ladder
Sutter Bypass	Sutter Bypass Improvements – Over 19,000 Acres	<ul style="list-style-type: none"> <li>• <a href="http://resources.ca.gov/docs/Salmon-Resiliency-Strategy.pdf">http://resources.ca.gov/docs/Salmon-Resiliency-Strategy.pdf</a></li> <li>• CDFW WaterFix 2081 ITP, Attachment A at 72 (requires \$4M/year for salmon habitat restoration, can be used for Sutter Bypass)</li> </ul>	
Tisdale Bypass	Tisdale Bypass Improvements – Over 500 Acres	<ul style="list-style-type: none"> <li>• DWR project remediating a fish passage issue at State infrastructure; 1E and Prop 84 funds: <a href="http://bondaccountability.resources.ca.gov/Project.aspx?ProjectPK=19869&amp;PropositionPK=48">http://bondaccountability.resources.ca.gov/Project.aspx?ProjectPK=19869&amp;PropositionPK=48</a></li> </ul>	
Yuba River	Multi benefit projects to improve habitat including grading or lowering river bed, riparian planting, creating backwater, off-channel areas and fish screen improvement.		

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Yuba River	Screen Improvement @ Daguerre South Diversion	<ul style="list-style-type: none"> <li>Section 7 requirements by NMFS on the ACOE/YCWA for the operation of the Daguerre Point Dam and its associated diversions: <a href="http://www.ycwa-relicensing.com/Technical%20Memoranda/TM%2007-12%20-%20Proj.%20Effects%20on%20Fish%20Facilities%20Assoc.%20with%20Daguerre%20Point%20Dam%20-%20FINAL%20POSTED%20051513/TM%207-12.pdf">http://www.ycwa-relicensing.com/Technical%20Memoranda/TM%2007-12%20-%20Proj.%20Effects%20on%20Fish%20Facilities%20Assoc.%20with%20Daguerre%20Point%20Dam%20-%20FINAL%20POSTED%20051513/TM%207-12.pdf</a></li> <li><a href="https://www.spk.usace.army.mil/Portals/12/documents/environmental/Deconstruction%20of%20activities%20PD&amp;ED.pdf">https://www.spk.usace.army.mil/Portals/12/documents/environmental/Deconstruction%20of%20activities%20PD&amp;ED.pdf</a></li> </ul>	
American River	Reconstruction of Folsom Temperature Control Device	<ul style="list-style-type: none"> <li>NMFS 2009 biological opinion requirement: <a href="https://www.westcoast.fisheries.noaa.gov/publications/Central_Valley/Water%20Operations/Operations,%20Criteria%20and%20Plan/040711_ocap_opinion_2011_amendments.pdf">https://www.westcoast.fisheries.noaa.gov/publications/Central_Valley/Water%20Operations/Operations,%20Criteria%20and%20Plan/040711_ocap_opinion_2011_amendments.pdf</a></li> </ul>	Device originally authorized in 1998; with the dam raise it needs to be reconstructed
	Nimbus Hatchery Rehabilitation & Reconstruction		
American River	Paradise Beach Rearing	<ul style="list-style-type: none"> <li>CVPIA: <a href="https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24637">https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24637</a></li> </ul>	
American River	Howe Ave. Rearing	<ul style="list-style-type: none"> <li>CVPIA: <a href="https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24637">https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24637</a></li> </ul>	
American River	Howe to Watt Rearing	<ul style="list-style-type: none"> <li>CVPIA: <a href="https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24637">https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24637</a></li> </ul>	

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American River	William Pond Outlet Rearing	<ul style="list-style-type: none"> <li>CVPIA: <a href="https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24637">https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24637</a></li> </ul>	
American River	River Bend Rearing	<ul style="list-style-type: none"> <li>CVPIA: <a href="https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24637">https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24637</a></li> </ul>	
American River	Upper River Bend Rearing and Spawning	<ul style="list-style-type: none"> <li>CVPIA: <a href="https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24637">https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24637</a></li> </ul>	
American River	Ancil Hoffman Rearing and Spawning	<ul style="list-style-type: none"> <li>CVPIA: <a href="https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24637">https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24637</a></li> </ul>	
American River	Sacramento Bar – North Rearing	<ul style="list-style-type: none"> <li>CVPIA: <a href="https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24637">https://www.usbr.gov/mp/nepa/includes/documentShow.php?Doc_ID=24637</a></li> </ul>	
Mokelumne River	--		
Delta	Suisun Marsh Salinity Control Gate Reoperation	<ul style="list-style-type: none"> <li><a href="http://resources.ca.gov/docs/Delta-Smelt-Resiliency-Strategy-FINAL070816.pdf">http://resources.ca.gov/docs/Delta-Smelt-Resiliency-Strategy-FINAL070816.pdf</a></li> <li><a href="#">California WaterFix Biological Opinion</a></li> </ul>	
Delta	Chippis Island Restoration		
Delta	Aquatic Weed Removal	<ul style="list-style-type: none"> <li><a href="http://resources.ca.gov/docs/Delta-Smelt-Resiliency-Strategy-FINAL070816.pdf">http://resources.ca.gov/docs/Delta-Smelt-Resiliency-Strategy-FINAL070816.pdf</a></li> </ul>	

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Delta	Predator Hot Spot Removal	<ul style="list-style-type: none"><li>• <a href="http://resources.ca.gov/docs/Delta-Smelt-Resiliency-Strategy-FINAL070816.pdf">http://resources.ca.gov/docs/Delta-Smelt-Resiliency-Strategy-FINAL070816.pdf</a></li></ul>	
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