

Approved Banks and In Lieu Fee Programs in the West Coast Region

Bank/Sponsor	Location (County /City, State)	Description of Bank/ILF Program Basic Content	Web link to Bank/ILF	Credit Types and Status	Key Staff/NMFS POC	Key Dates
Port of Tacoma (WA) Upper Clear Creek Multi-Resource Mitigation Bank	Pierce County, Washington	Restoration of 28 acres of habitat in Upper Clear Creek, a tributary to the Puyallup River.	Port of Tacoma Upper Clear Creek Multi-Resource Mitigation Bank	The Bank is approved to provide compensatory mitigation for impacts to the Waters of the United States and waters of the State, including wetlands and other aquatic habitat resources, including habitat for ESA-listed and non-listed fish. There are 12.56 wetland acre-credits and at least 273.16 fish habitat credits expected.	David Hirsh, OWCO David.Hirsh@noaa.gov	Mitigation Banking Instrument (MBI) certified June 24, 2020. Ecology public notice issued: July 12, 2017 with MBI. Joint Corps and Ecology public notice issued Aug 7, 2014, with Prospectus
Skagit Environmental Bank--Clear Valley Environmental Farm, Jeff Poetsch	Skagit County, Washington	Restore 396 acres of reaches in Nookachamps Creek, East Fork Nookachamps Creek, Mud Lake Creek, and associated floodplain wetlands.	Skagit Environmental Bank- Clear Valley Environmental Farm	Clean Water Act section 404 wetland compensatory mitigation credits evaluated using the Washington State Credit/ Debit method. NMFS worked extensively with Clear Valley Environmental Farms and Mr. Poetsch to ascertain whether the restored property included habitat supporting credits for effects on ESA-listed species' habitat, but the bank only includes credits for wetland mitigation.	David Hirsh, OWCO David.Hirsh@noaa.gov	Joint Corps and Ecology public notices issued: March 10, 2006, and January 7, 2009. Ecology public notices issued: May 21, 2009, June 9, 2010, and April 22, 2011. Project received final federal, local, and state approval: July 27, 2011. Initial Credit Release: December 17, 2013.
Skykomish Habitat Wetland Mitigation Bank--Skykomish Habitat, Jeff Remlinger, Remlinger Farms in partnership with Habitat Bank, LLC, Zach Woodward	Snohomish County, Washington	260 acres in two phases: 177 acres then another 83 acres. Phase 1: construct or enhance 44 acres of wetland, create or enhance 48 acres of riparian channel, restore 67 acres of wetlands, and preserve 18 acres of riparian floodplain and uplands. Phase 2: forthcoming	Skykomish Habitat Wetland Mitigation Bank	Clean Water Act section 404 wetland compensatory mitigation credits evaluated using the Washington State Credit/ Debit method.	David Hirsh, OWCO David.Hirsh@noaa.gov	Corps public notice released: May 2004. Ecology public notice issued: August 31, 2005. Mitigation Banking Instrument (MBI) certification date: August 24, 2006. Initial Credit Release: February 2, 2007. MBI Amendments: February 12, 2009, and September 6, 2011.
Snohomish Basin Wetland Mitigation Bank--Habitat Bank, LLC, Victor Woodward	Snohomish County, Washington	199 acres restored in three phases: Phase 1 – 41 acres, Phase 2 – 115 acres, and Phase 3 – 43 acres. Site actions include 122 acres of wetland re-establishment, 24 acres of wetland rehabilitation, 30 acres of floodplain upland, and 23 acres of upland/wetland buffer.	Snohomish Basin Wetland Mitigation Bank	Clean Water Act section 404 wetland compensatory mitigation credits evaluated using the Washington State Credit/ Debit method.	David Hirsh, OWCO David.Hirsh@noaa.gov	Corps of Engineers public notice: May 2003 with Prospectus Mitigation Banking Instrument (MBI) certification date: Aug. 12, 2005 Ecology public notice issued: June 6, 2005 Initial Credit Release: Jan. 9, 2006 Revised MBI: Dec. 15, 2016
Blue Heron Slough Conservation Bank--Wildlands, Inc.	Everett, Washington	The first species-habitat focused conservation bank in Washington State. 353-acres in the Snohomish River estuary, within the Everett city limits. Project includes restoring a mosaic of channels, marsh, mud flat, and riparian habitats, and reconnect the complex to the Snohomish River. The proposed restoration activities on the Bank will increase the tidally-influenced acreage in the Snohomish River Estuary by approximately 13 percent and the site is identified as a key location for salmon recovery in the 2005 Snohomish River Basin Salmon Conservation Plan. Presently, Wildlands, Inc is working with the Washington Damage Assessment Trustee board to use the bank in settlement of a damage assessment in the bank service area.	Blue Heron Slough Conservation Bank	Endangered Species Act "fish credits" in the form of discounted service-acre years evaluated using Habitat Equivalency Analysis based on habitat values negotiated with the banker.	David Hirsh, OWCO David.Hirsh@noaa.gov	NMFS originally approved the MBI in 2008, after which it was subject to iterative revision in cooperation with local government and stakeholders. NMFS approved the revisions in 2013 and the bank is currently under discussion for use to settle a NOAA Damage Assessment.

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King County Mitigation Reserves Program--King County, Washington	King County, Washington	Geographically extensive In Lieu Fee program selling compensatory mitigation credits for impacts occurring in five watersheds: Cedar River/Lake Washington, Central Puget Sound, Sammamish River, Skokomish, and Snohomish River. King County's In-Lieu Fee Mitigation Program further segments these five watersheds into seven service areas: Snoqualmie River, Skykomish River, Cedar River/Lake Washington, Sammamish River, Green River/Duwamish, Central Puget Sound, and White River/Puyallup.	King County Mitigation Reserves Program	Clean Water Act section 404 wetland compensatory mitigation credits evaluated using the Washington State Credit/ Debit method.	David Hirsh, OWCO David.Hirsh@noaa.gov	MBI signed March 2012
Hood Canal Coordinating Council In Lieu Fee Program--Hood Canal Coordinating Council	Kitsap, Mason, and Jefferson Counties, Washington	The HCCC In-Lieu Fee (ILF) Program provides an alternate mitigation option for authorized, unavoidable impacts to freshwater and marine aquatic resources, offering permit applicants an option to purchase mitigation credits from HCCC to fully satisfy mitigation obligations for their proposed projects. The Service area for the ILF program is very large including portions of all three counties surrounding Hood Canal.	Hood Canal Coordinating Council In-Lieu Fee Program	Clean Water Act section 404 wetland compensatory mitigation credits evaluated using the Washington State Credit/ Debit method.	David Hirsh, OWCO David.Hirsh@noaa.gov	After several years of intensive collaboration, the IRT completed review of the MBI in Spring of 2012, and the MBI was signed on June 15, 2012. First credits were sold the US Navy on August 10, 2012.
Coweeman River Wetland Mitigation and Conservation Bank--Habitat Bank, LLC, Victor Woodward	Cowlitz County, Washington	302 acres. Re-establish, create, rehabilitate, enhance, and preserve wetland functions across the site; restore and create riparian habitat and off-channel rearing and refuge habitat in reach of Coweeman River.	Coweeman River Wetland and Conservation Bank	Endangered Species Act "fish credits" in the form of discounted service-acre years evaluated using Habitat Equivalency Analysis based on habitat values negotiated with the banker. Clean Water Act section 404 wetland compensatory mitigation credits evaluated using the Washington State Credit/ Debit method.	Jeff Fisher, Stephanie Ehinger and Scott Anderson, Lower Columbia River Washington Coast Branch, OWCO Stephanie.Ehinger@noaa.gov	Initial credit release: June 14, 2016. Mitigation Banking Instrument (MBI) certification date: May 5, 2016. Ecology public notice issued: March 14, 2016. Ecology public notice issued: October 14, 2015. Joint Corps and Ecology public notice: August 22, 2013, with Prospectus.
Bullock Bend Mitigation Bank- WES Mitigation	Sacramento, California	The Bullock Bend Mitigation Bank is a 119.65-acre site in Yolo County, California that has been approved by the U.S. Army Corps of Engineers, U.S. Environmental Protection Agency, U.S. Fish and Wildlife Service, California Department of Fish and Wildlife and National Oceanic Atmospheric Administration to provide credits for impacts to salmon, steelhead, Swainson's hawk, other waters of the U.S., and riparian habitat.	Bullock Bend Mitigation Bank	Riverine and Floodplain Riparian Habitat (Enhancement & Restoration), Central Valley Spring-Run Chinook, Sacramento Valley Winter-Run Chinook, Central Valley Steelhead, Swainson's Hawk Nesting Buffer, Other Waters of the US	Lyla Pirkola CCVO Lyla.Pirkola@noaa.gov	Approved June 23, 2016
Cosumnes Floodplain Mitigation Bank- WES Mitigation	Sacramento, California	Cosumnes Floodplain offers Shaded Riverine Aquatic, Riparian, and Freshwater Marsh Complex credits. The Freshwater Marsh Complex (or Floodplain Mosaic Wetlands) is a generic category that includes: Riparian Forest Riparian Woodland Riparian Scrub Scrub Shrub Wetland Semi-permanent Wetland Perennial Emergent Marsh Seasonal Wetland Seasonal Swales Tidal Freshwater Marsh The Non-wetland -404 regulated waters of the U.S. includes: Riparian Scrub Riparian Woodland Riparian Forest.	Cosumnes Floodplain Mitigation Bank	Floodplain Mosaic Wetland (404), Riparian Establishment (404), Shaded Riverine Aquatic Preservation, Shaded Riverine Aquatic Re-establishment, FMW (ESA), Floodplain Riparian Enhancement, Riparian Establishment (ESA), SRA Re-establishment (ESA)	Hilary Glenn, CCVO Hilary.Glenn@noaa.gov	Approved August 4, 2008
East Austin Creek Conservation Bank	Sonoma, California	Provide offsets for impacts to Central California Coast populations of coho salmon and steelhead and their habitats (freshwater streams and associated riparian and upslope habitat).	East Austin Creek Conservation Bank	Coho salmon, CCC steelhead freshwater streams and associated habitats	Sara Azat, CCO Sara.Azat@noaa.gov	Approved August 17, 2010
Fremont Landing Conservation Bank (FLCB)- Wildlands	Sacramento, California	The FLCB is a former orchard located in northern Elkhorn Basin, between the Sacramento River and the Yolo Bypass at RM 78-80 on the west bank of the Sacramento River.	Fremont Landing Conservation Bank	Riparian Forest Floodplain that can provide compensation for Riverbank Shaded Riverine Aquatic habitat	Lyla Pirkola, CCVO Lyla.Pirkola@noaa.gov	Approved October 19, 2006

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Liberty Island Conservation Bank-Wildlands	Yolo, California	Of the 147.91 acres of the bank, 139.11 acres can be used as Salmonid Conservation Credits. Of the 139.11 Salmonid Conservation Credits, 47.9 can be used as either Salmonid or Delta Smelt Credits. In addition, out of the 139.11 Salmonid Conservation Credits, 19.3 of the preservation credits are available for use at the discretion of the USFWS for impacts to delta smelt habitat associated with Section 7 consultations.	Liberty Island Conservation Bank	Salmonid (Restoration/Preservation), Delta Smelt (Preservation), Longfin Smelt (State listed) Tule Marsh Salmonid/Smelt Restoration, Salmonid Riparian Preservation	Lyla Pirkola, CCVO Lyla.Pirkola@noaa.gov	Approved 7/21/2010
Navy Region Southwest San Diego Bay Eelgrass Mitigation Bank	San Diego, California	Bank is used by the Navy for naval projects that have eelgrass impacts and is set up over 5 Navy Eelgrass mitigation sites (NEMS) 1 thru 6. NEMS 3 has not been included yet. Bank ledger reports are in Hectares.	San Diego Bay Integrated Natural Resources Management Plan	Important ecological community dominated by eelgrass (Zostera marina) found in protected shallow bays & estuaries. This community includes both intertidal and subtidal estuarine environments (Cowardin classification Estuarine intertidal and subtidal aquatic bed).	Bryant Chesney, Eric Chavez, PRD Bryant.Chesney@noaa.gov	Approved 6/26/2008
Alder Creek Restoration-Wildlands	Multnomah County, Oregon	52.3 acres of aquatic, riparian, and upland forest restoration and enhancement project developed in coordination with the Portland Harbor Natural Resource Trustee Council. The habitat values provided by this Project can be used to offset Natural Resource Damages (NRD) resulting from past industrial use along the Willamette River in Portland, Oregon.	Alder Creek Restoration Project	Salmonid credits in the form of DSAYs. The project also benefits pacific lamprey, bald eagle, osprey, and mink.	Meghan Callahan-Grant (RCNW) Megan.Callahan-grant@noaa.gov	First credit release 2015.
Colorado Lagoon Mitigation Bank	Long Beach, California	Establish the Colorado Lagoon Mitigation Bank at an existing lagoon Colorado Lagoon with tidal connection to Marine Stadium by discharge of fill material to make the lagoon shallower, removal of invasive vegetation, daylighting of the tidally influenced underground culvert, planting of native vegetation, transplanting of eelgrass, and establishing, enhancing, and rehabilitating subtidal, intertidal, non-tidal, and upland habitats.	Colorado Lagoon Mitigation Bank	Compensatory mitigation for impacts to marine subtidal, intertidal wetlands, jurisdictional resources, and transitional habitat authorized under Section 404 of the CWA, the California Coastal Act; and for impacts to eelgrass habitat under the California Eelgrass Mitigation Policy.	Bryant Chesney, PRD, Bryant.Chesney@noaa.gov	Prospectus recieved 2013
Port of Los Angeles Harbor Habitat Mitigation Bank	Los Angeles, California	At the time of bank execution, 9.75 credits are for constrained harbor habitat and 84.1 credits are for enhanced harbor habitat. All bank credits were created for establishment of marine subtidal open water within the Port of Los Angeles.	Port of Los Angeles Harbor Habitat Mitigation Bank	Compensatory mitigation for impacts to marine subtidal habitat authorized under Section 404 of the CWA	Bryant Chesney, PRD, Bryant.Chesney@noaa.gov	Approved 9/20/2019