



**2020 Supplemental  
Capital Budget Request  
*Washington Department Of  
Fish And Wildlife***



Soos Creek Hatchery





State of Washington  
**DEPARTMENT OF FISH AND WILDLIFE**

Mailing Address: P.O. Box 43200, Olympia, WA 98504-3200 • (360) 902-2200 • TDD (360) 902-2207  
Main Office Location: Natural Resources Building, 1111 Washington Street SE, Olympia, WA

September 16, 2019

Mr. David Schumacher  
Office of Financial Management  
P.O. Box 43113  
Olympia, WA 98504-3113

**RE: 2020 Supplemental Capital Budget Request**

Dear Mr. Schumacher:

The Washington Department of Fish and Wildlife's (Department) 2020 Supplemental Capital Budget Request is enclosed. This supplemental budget request reflects the Department's continued dedication to preserving healthy fish and wildlife populations, sustainable outdoor experiences, supporting a strong economy and social values, and pursuing operational excellence. This request represents emergent critical needs requiring funding in the supplemental budget.

**Infrastructure Master Plan for Southern Resident Killer Whale Recovery**

The Department has initiated actions to increase salmon production and provide additional prey abundance for Southern Resident Killer Whales and to enhance fishing opportunities. The increased hatchery production will require significant capital investment estimated at \$160 million. This request will fund a master planning process that will assess existing infrastructure, determine needs, and prioritize projects. It is estimated this effort will require one biennia to complete. Total cost is estimated at \$1 million and will address elements such as: hatchery locations, capacity, new aquaculture technologies, feasibility, water rights, and land acquisition.

**Soos Creek Hatchery Renovation, Phase 3**

The Soos Creek Hatchery (constructed in 1901) is one of the most important salmon hatcheries in the Puget Sound region, annually producing 6.5 million Chinook and 1.2 million coho salmon. Fish produced at this facility contribute directly to Muckleshoot tribal fisheries, provide prey for Southern Resident Killer Whales, as well as sport and commercial fisheries in the Green River, Puget Sound, and the Pacific Ocean. Phase 3 construction will complete the final project elements to include habitat restoration and site work, cultural resources mitigation requirements of the federal permit, and a water filtration system. Total funding request is \$2.94 million.



### **Hurd Creek Hatchery, Relocation Facilities out of the Floodplain**

Recent changes in the Dungeness River channel have put the Hurd Creek Hatchery at high risk for catastrophic facility and infrastructure damage, and significant loss of critical Chinook salmon production. The proposed project moves and rebuilds the existing infrastructure to a higher elevation out of the floodplain, and within the existing hatchery grounds footprint. Recent floods have overtopped rearing ponds, allowing Elwha Chinook to escape into the Dungeness River. Production wells are also vulnerable to flooding. The Department of Ecology has concerns about surface water contaminating ground water if well casings are topped or damaged. The Department received \$800,000 in the FY2018 supplemental capital budget for design and permitting, which is anticipated to be completed in December 2019. The supplemental capital budget request for FY2020 is \$12.5 million to award the construction phase of the project.

### **Beaver Creek Hatchery Renovation**

The proposed project is to renovate the Beaver Creek Hatchery in order to shift the salmon production from the Grays River Hatchery and close this hatchery. The Department's ability to routinely dredge Grays River near the hatchery intake to remove sediment will no longer be allowed by the Army Corps of Engineers. The sediment bed load will choke off the water supply to the hatchery thus curtailing production. The request is for \$450,000 to complete the pre-design and to make urgent repairs to the intake screen cleaning system, and replacing the hoist at the Risk Road fish trap that feeds the hatchery. Remaining budget estimate for subsequent biennia is \$11.4 million for design, permitting and construction

### **Wiley Slough Dike Raising**

The Wiley Slough setback levee is deficient, causing flooding of neighboring property and damages to Department amenities. If not addressed, the deficiencies could potentially result in dike failure, which would flood homes, roads and hundreds of acres of prime farmland in the Skagit delta. Repairs will ensure the local flood entity takes operational control of the setback levee as part of their larger flood control system, and help maintain key relationships needed for broader salmon recovery efforts. This request will fund design, permitting and construction of levee repairs adequate to meet standards related to dike height, width and stability for this portion of the Skagit River and Skagit Bay. Design would begin immediately upon receipt of funding, and construction would occur in summer 2021. Total budget request for design, permitting and construction is estimated at \$5.2 million.

### **Forks Creek Hatchery, Renovate Intake and Diversion...technical correction**

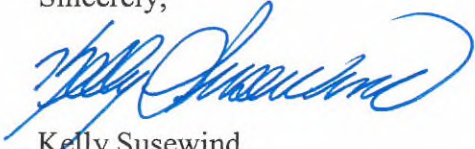
The Office of Financial Management approved a funds transfer after the FY2019-21 capital budget submittal in the amount of \$350,000 from project 40000026 (Hoodspout Hatchery Adult Pond Renovation) to project 30000827 (Forks Creek Hatchery, Renovate Intake and Diversion). The Department is requesting a technical correction to increase the expenditure authority to reflect the increased funding to the Forks Creek Hatchery project.

Thank you for your time and consideration. Department staff are available to assist you with evaluating this request and will be happy to answer any questions as they arise. Please contact

Mr. David Schumacher  
September 12, 2019  
Page 3

Tim Burns, Capital and Asset Management Program Director, at (360) 902-8382 for additional information.

Sincerely,



Kelly Susewind  
Director

Enclosure

cc: Washington Department of Fish and Wildlife Commissioners  
Washington Department of Fish and Wildlife:  
Amy Windrope, Deputy Director  
Nate Pamplin, Budget and Government Affairs Director  
Tim Burns, Capital and Asset Management Program Director  
Morgan Stinson, Budget Officer



**WASHINGTON DEPARTMENT OF FISH AND WILDLIFE  
2020 SUPPLEMENTAL CAPITAL BUDGET REQUEST**

---

**TABLE OF CONTENTS**

**TAB A – Ten Year Plan Summary**

Ten Year Capital Plan by Priority .....1  
DAHP .....2  
Capital FTE Summary .....3  
FY 19-21 Backlog of Projects.....4

**TAB B - Preservation Projects**

Soos Creek Hatchery Renovation .....13  
Hurd Creek – Relocate Facilities out of Floodplain .....17  
Beaver Creek Hatchery Renovation .....20  
Wiley Slough Dike Raising .....24  
Forks Creek Hatchery – Renovation Intake and Diversion .....28

**TAB C - Programmatic Projects**

Infrastructure Master Plan for SRKW Recovery .....33





**477 - Department of Fish and Wildlife  
Ten Year Capital Plan by Priority  
2019-21 Biennium**

Version: AA 2020 DFW Supplemental Request

Report Number: CBS001

Date Run: 9/19/2019 12:43PM

**Project by Agency Priority**

<u>Priority</u>	<u>Project by Account-EA Type</u>	<u>Estimated Total</u>	<u>Prior Expenditures</u>	<u>Current Expenditures</u>	<u>Reapprop 2019-21</u>	<u>New Approp 2019-21</u>	<u>Estimated 2021-23</u>	<u>Estimated 2023-25</u>	<u>Estimated 2025-27</u>	<u>Estimated 2027-29</u>
<b>1</b>	<b>4000085 Infrastructure Master Plan for SRKW Recovery</b>									
	057-1 State Bldg Constr-State	1,000,000				1,000,000				
<b>2</b>	<b>3000661 Soos Creek Hatchery Renovation</b>									
	057-1 State Bldg Constr-State	1,788,282	89	(1,147,807)		2,936,000				
<b>3</b>	<b>3000830 Hurd Creek - Relocate Facilities out of Floodplain</b>									
	057-1 State Bldg Constr-State	11,792,011		66,011		11,726,000				
<b>4</b>	<b>3000680 Beaver Creek Hatchery - Renovation</b>									
	057-1 State Bldg Constr-State	11,805,000				450,000	2,167,000	9,188,000		
<b>5</b>	<b>4000004 Wiley Slough Dike Raising</b>									
	057-1 State Bldg Constr-State	5,155,000				5,155,000				
<b>6</b>	<b>3000827 Forks Creek Hatchery - Renovate Intake and Diversion</b>									
	057-1 State Bldg Constr-State	349,525		(2,577,475)	2,927,000					
<b>Total</b>		<b>31,889,818</b>	<b>89</b>	<b>(3,659,271)</b>	<b>2,927,000</b>	<b>21,267,000</b>	<b>2,167,000</b>	<b>9,188,000</b>		

**Total Account Summary**

<u>Account-Expenditure Authority Type</u>	<u>Estimated Total</u>	<u>Prior Expenditures</u>	<u>Current Expenditures</u>	<u>Reapprop 2019-21</u>	<u>New Approp 2019-21</u>	<u>Estimated 2021-23</u>	<u>Estimated 2023-25</u>	<u>Estimated 2025-27</u>	<u>Estimated 2027-29</u>
057-1 State Bldg Constr-State	31,889,818	89	(3,659,271)	2,927,000	21,267,000	2,167,000	9,188,000		



Allyson Brooks Ph.D., Director  
State Historic Preservation Officer

September 5, 2018

Mr. Timothy Burns  
Assistant Director  
WA Department of Fish & Wildlife  
600 Capitol Way  
Olympia, WA 98501-1091

In future correspondence please refer to:  
Project Tracking Code: 2018-09-07009  
Property: Washington State Department of Fish and Wildlife  
Re: 2019-2021 Biennium Budget Proposal

Dear Mr. Burns:

Thank you for contacting our office. I have reviewed the spreadsheet you provided for this project. Based upon this spreadsheet, most major and minor works projects will not be exempt from Governor's Executive Order 05-05 (GEO 05-05) and will require further review should funding be obligated.

The following are projects that have been identified to be exempt from GEO 05-05 review as they have little potential to impact historic buildings:

- Chambers (Garrison) Creek - Fishway Repairs
- Elwha Hatchery
- Hurd Creek
- Naselle Hatchery Renovation
- Reiter Ponds Hatchery
- Tokul Creek Hatchery

DAHP would appreciate the opportunity to review and comment on the remaining projects listed in the spreadsheet for their potential to impact historic properties. Any ground disturbing activities that will take place as a result of the expenditure will require an EZ-1 form.

These comments are based on the information available at the time of this review and on behalf of the State Historic Preservation Officer pursuant to GEO 05-05. Please contact me should you have any specific questions about our request and we look forward to receiving this material.

Sincerely,

A handwritten signature in black ink that reads 'Holly Borth'. The signature is fluid and cursive, with the first name 'Holly' being more prominent than the last name 'Borth'.

Holly Borth  
Project Compliance Reviewer  
(360) 586-3533  
holly.borth@dahp.wa.gov

cc: Aaron Harris, Katherine Kelly, Sharon Boswell



**477 - Department of Fish and Wildlife  
Capital FTE Summary  
2019-21 Biennium**

Version: AA 2020 DFW Supplemental Request

Report Number: CBS004  
Date Run: 9/18/2019 2:17PM

**FTEs by Job Classification**

<u>Job Class</u>	Authorized Budget			
	2017-19 Biennium		2019-21 Biennium	
	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>
Administrative Assistant 2			0.1	0.1
Administrative Assistant 4			0.1	0.1
Carpenter			0.2	0.2
Const & Maint Supervisor			0.2	0.2
Construction Project Coordinator 2			0.5	0.5
Construction Project Coordinator 3			0.5	0.5
Contracts Specialist 2			0.1	0.1
Contracts Specialist 3			0.1	0.1
Electrician			0.2	0.2
Engineer Aide 3			0.2	0.2
Engineer Aide 4			0.2	0.2
Environmental Engineer 5			0.2	0.2
Equipment Operator 2			0.3	0.3
Equipment Technician 1			0.2	0.2
Equipment Technician 3			0.1	0.1
Fish & Wildlife Biologist 3			0.2	0.2
Fish & Wildlife Biologist 4			0.2	0.2
Land Surveyor 2			0.2	0.2
Maintenance Mechanic 2			0.1	0.1
Maintenance Mechanic 3			0.2	0.2
Maintenance Supervisor 3			0.1	0.1
Utility Worker 2			0.1	0.1
Welder			0.1	0.1
WMS 2 Hatchery Program Manager			1.5	1.0
<b>Total FTEs</b>			<b>5.9</b>	<b>5.4</b>

**Account**

<u>Account - Expenditure Authority Type</u>	Authorized Budget			
	2017-19 Biennium		2019-21 Biennium	
	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>
057-1 State Bldg Constr-State			708,000	648,000

**Narrative**

Changes reflect the current and future needs of the Department to implement only the 2020 supplemental request. Once the budget has passed, FTE and funding amounts may change to accommodate funding levels. FY20 and FY21 FTE's are based on estimates to implement only the 2020 supplemental request.

**FY19-21 Backlog of Projects**

Title	10 yr Plan Cost
Boat Plank Manufacture and Ramp Replacement	300,000
Capitol Way - Renovations to 600 Capitol Way	1,500,000
Electrical and Standby Generators	750,000
Facility Safety Deficiencies	500,000
General Energy Efficiency Improvements	600,000
Install Energy Efficient Exterior Lighting, Statewide Facilities	250,000
Lacey Shop - Electrical Replacement & Upgrade	125,000
Lacey Shop - Energy Efficiency Upgrades	75,000
Pumps and Alarms	750,000
Region 4 HQ Mill Creek Consolidation	5,000,000
Roof Replacements, Statewide Facilities	300,000
Statewide Building Debris Removal	125,000
Statewide Dam Safety Repairs	200,000
Statewide Exterior Building Repairs	300,000
Statewide Facility Paving Repairs	
Statewide Facility Repairs	
Statewide Residence Repairs	500,000
Underground Storage Tank Remediation	250,000
Yakima Shop - Covered Storage Building & Asphalt	250,000
Yakima Shop - Exterior Repairs	
Yakima Shop - Heating Sys & Repaint Exterior w/repair	150,000
Sol Duc Enforcement Residence	
Arlington Hatchery - Replace Residence #2	
Arlington Hatchery Renovation	11,346,000
Automated Fish Mass-Marking Trailers	2,700,000
Beaver Creek Hatchery, Transfer production from Grays River and demolish	19,400,000
Bingham Creek Hatchery - Repair Asphalt Pond	950,000
Bingham Creek Hatchery Upgrade PA Pond	
Bingham Creek Replace 5 raceways	2,105,000
Bogachiel Hatchery - Replace Office Facility	
Chelan Hatchery - Replace Ponds with Fiberglas Ponds	850,000
Chelan Hatchery Renovation	10,447,000
Columbia Basin Hatchery - Raceway Replacement	9,525,000
Cowlitz Salmon Hatchery - Construct Additional Rearing Pond	1,100,000
Deschutes Watershed Center	24,000,000
Dungeness Hatchery - Hatchery Renovation	12,319,000
Dungeness Hatchery - Replace Main Intake and Erosion Control	4,468,000
Eells Springs Renovation	7,410,000
Elochoman Hatchery - Facility Abandonment	1,000,000
Elwha Hatchery - Renovation	14,307,000
Elwha Hatchery - Repair Asphalt Parking Lot	
Elwha Hatchery - Replace Residence	300,000
Fallert Creek Hatchery - Replace Bridge	
Fallert Creek Hatchery - Replace Intakes, Ponds and Pollution Abatement Pond	12,027,000

Title	10 yr Plan Cost
Fish Culture Improvements	900,000
Ford Hatchery - Renovate Intake, Ponds, and Outfall	10,528,000
Forks Creek Hatchery - Raceway Replacement and Supply Pipeline	6,655,000
Garrison Springs Hatchery - Repair Intake and Supply Pipeline	
Garrison Springs Hatchery Renovate Fishway	850,000
George Adams Hatchery - Replace Adult Ponds and Raceways	10,925,000
Goldendale Hatchery - Replace Raceway & Pipeline and Improve Rearing Capacity	5,292,000
Hatchery Access & Onsite Road Upgrade	500,000
Hoodsport Hatchery Pond 14 Replacement	1,500,000
Hoodsport Hatchery Renovate Intake	1,100,000
Humptulips Hatchery - Replace Pipeline	
Humptulips Hatchery - Replace Ponds	4,268,000
Hupp Springs Hatchery Renovate Intake Diversion	300,000
Hurd Creek - Relocate Facilities out of Floodplain	10,700,000
Issaquah Hatchery Gravity Pipeline Replacement	2,799,000
Kalama Falls Hatchery - Renovate Fish Passage barrier	200,000
Kalama Falls Hatchery - Renovate Intakes	150,000
Kalama Falls Hatchery - Replace Raceways and PA System	6,647,000
Kendall Creek Hatchery - Replace Intakes	3,211,000
Kendall Creek Hatchery - Replace Water Distribution Tower and Pipeline	
Kendall Creek Hatchery - Relocate Hatchery Entrance	
Kendall Creek Hatchery Water Supply Line Repairs	500,000
Lake Aberdeen Hatchery - Replace Storage Shed	
Lake Aberdeen Hatchery - Replace T-Dock	160,000
Lakewood Hatchery and WLA - Construct 4-6 Bay Storage Building	
Marblemount Hatchery - Renovation	4,866,000
Mayfield Lake - Construct New Net Pens	400,000
Mayr Brothers Hatchery - Replace Intake and Renovate Fishway	1,860,000
McKernan Hatchery Renovate Adult Pond	2,000,000
Minter Creek Hatchery - Replace Intake	2,200,000
Mossyrock Hatchery - Construct Additional Intake	720,000
Naches Hatchery - Water Supply Development	1,812,000
Naches Hatchery ponds upgrade	500,000
Naselle Hatchery Renovation	22,725,000
Nemah Hatchery - Bridge Replacement	1,194,000
Nemah Hatchery - Facility Upgrade	8,227,000
North Toutle Hatchery - Renovation	27,989,000
North Toutle Hatchery - Replace Residences	
Omak Hatchery Storage Building	120,000
Reiter Ponds Hatchery - Replace Intake and Piping	1,182,000
Residence Repairs at Statewide Hatcheries	350,000
Ringold Hatchery Earthen Pond Renovation (SRKW)	500,000
Ringold Hatchery - Replace Pipeline	1,642,000
Ringold Hatchery - Replace Vinyl Raceways	3,323,000

Title	10 yr Plan Cost
Samish Hatchery - Adult Pond renovation	8,319,000
Samish Hatchery Well Water Development (SRKW)	
Skamania Hatchery - Renovate Adult Trapping, Holding and Spawning Facilities	5,063,000
Sol Duc Hatchery - Ponds Renovation	11,204,000
Soos Creek Hatchery - Construct Phase 3	3,000,000
South Sound Net Pens (SRKW)	360,000
Spokane Hatchery Renovation	9,986,000
Statewide Fish Predator Prevention Measures	500,000
Statewide Hatcheries - Residence Repairs	500,000
Statewide Hatcheries Asphalt Pond Repairs	800,000
Statewide Hatcheries Building Repairs	500,000
Statewide Hatcheries Building Replacements	400,000
Statewide Hatcheries Residence Replacement	800,000
Strategic Planning for Statewide Trout Hatchery Production	500,000
Tokul Creek Hatchery - Replace Raceway, Water Supply, Drains	5,738,000
Toutle Fish Collection Facility Upgrade with ASACE	25,100,000
Voights Creek Hatchery - Construct Additional Raceways	1,600,000
Wallace River Hatchery - Replace Intakes and Ponds	17,000,000
Washougal Hatchery - Rehab Adult Handling Facility	5,079,000
Washougal Hatchery - Replace Raceways and Pipeline	13,446,000
Willipa Bay Lab - Replace Pumphouse	
Chambers Creek Fishway Repairs	3,832,000
Driscoll Island Bridge	4,546,000
Forks Creek Hatchery Renovate Intake Diversion, Phase 3	2,000,000
Judson Lake Lead Shot Remediation	
Milltown Island Restoration, Phase 2	4,500,000
North Potholes Wetland Restoration	
Oak Creek WLA - Repairs to Cowiche Road	145,000
PSAW and grant	
PSNERP and grant	
RFEG Project Development	641,000
Samish Hatchery - Fish Passage and Intake Replacement	4,500,000
Samish Hatchery - Friday Creek Intake and Fish Passage	4,683,000
Statewide Fish Barrier Repairs	300,000
Trout Creek Ford Replacement	
Wenas WLA - Upgrades to Mellotte Road and Bridge	
Western WA Flood Reduction (Region 6 screens)	350,000
Wooten Wildlife Area - Improve Flood Plain	19,557,000
EV Charging Stations - Spokane, Yakima, Ephrata, Mill Creek, Montesano & Lacey	200,000
Region 1 Office Construct Secure Storage Compound	4,573,000
Region 2 - Repairs and Installation of Security Fencing	
Region 2 HQ - Exterior Paint & Carpet Replacement	235,000
Region 3 HQ Renovation and Expansion	817,000
Region 3 Road Management Improvements	125,000



Title	10 yr Plan Cost
Region 4 - Electric Gate and Security Improvements	
Region 4 Bathroom Replacement Access	450,000
Region 4 HQ - Restoration & Preservation	350,000
Region 6 - HQ Facility Renovations	
Region 6 - Vehicle/Vessel Wash Station	65,000
Region 6 Exterior Operational Storage and Parking Maintenance	
Regional Offices - Re-paving and Pavement Repairs to Parking Lots	
Regional Offices - Replace and Improve Exterior Lighting	
4-O Ranch Autry Campground	325,000
4-O Ranch Grouse Flats Campground	125,000
4-O Ranch RMAP	
Armstrong Lake Access Ramp	300,000
Armstrong Lake Access Replace Toilets	65,000
Badger Lake Access Double Ramp	300,000
Barker Canyon Access Ramp	240,000
Bear Creek 2 Access Replace Toilets	65,000
Beaver Lake Access Replace Toilets	65,000
Big Bend WLA - Construct New Boundary Fence	480,000
Big Bend WLA - Construct New Parking Lots	310,000
Blythe Access Replace Ramp	300,000
Bob Oak Game Farm Ventilation	
Bob Oke Game Farm Break Room	
Boulder Creek Access Replace Toilets	65,000
Buzzard Lake Campground ADA Toilet and Parking	65,000
Caldwell Lake Access Replace Toilets	65,000
Campbell Lake Access Replace Toilets (09-053)	65,000
Chehalis River Grays Harbor County Access Replace Ramp, Vault Toilet, and Parking	300,000
Chehalis Wildlife Area Replace Failing Culverts	325,000
Chelan WLA - Beebe Springs Bridge Repair	15,000
Chelan WLA - Butte Sheep/Deer Fence	280,000
Chelan WLA - Lucas Homestead Preservation	150,000
Chelan WLA - Repair Frank's Pond Outlet Piping	12,000
Chelan WLA - Surveys	45,000
Chelan WLA - Swakane Residence Renovations	15,000
Chesaw WLA - Retaining Wall and Concrete Steps	85,000
Chiliwist WLA Irrigation Improvements	30,000
Chiliwist WLA Road Renovation	165,000
Colockum Boundary Fence	
Colockum Gate Installation	25,000
Colockum HQ Renovations	
Colockum Little Brushy Creek Crossing Repair	
Colockum Stemilt RMAP & road improvement	650,000
Columbia Basin WLA - Shop Safety Repairs	25,000
Construct Necropsy Laboratory	1,471,000

Title	10 yr Plan Cost
Cooperative Elk Damage Fencing	1,200,000
Cottonwood Island (Spud House) Boat Ramp	300,000
Cougar Lake Access Replace Toilets	50,000
Couse Creek Boat Ramp Repairs	
Davis Creek Koopmans Parking Access Development	185,000
Davis Lake Access Replace Toilets	65,000
Deep Lake Access Redevelopment	350,000
Deep Lake Access Replace Toilets	50,000
Deer Lake Access Single Ramp	300,000
Deer Lake Dam Repair	450,000
Deer Lake Region 1	250,000
Desert WLA Building Removal	55,000
Duckabush River Access Toilet	50,000
Ebey Island Access Bridge	650,000
Edar Unit Access Parking and Gates	175,000
Equipment Storage Building Replacement, Statewide	500,000
Fish, Habitat and Wildlife Replacement Lands - Land Acquisition	4,278,000
Fishtrap Lake Access Replace Toilets	65,000
Fitzsimmons Access Toilet Replacement (1)	65,000
Forest Health - Hazard Fuel Reduction	59,670,000
Glen Williams Access Ramp	1,000,000
Goss Lake Boat Ramp	300,000
Hand Access Ramp	300,000
Harris Creek Bridge	325,000
Harts Lake Access Replace Toilets	65,000
Hatch Lake Access Replace Toilets	65,000
Heart Access Ramp	300,000
Horseshoe Lake Access Replace Vault Toilets	80,000
Hovander Boat Ramp (Ferndale)	300,000
Indian George Access Redevelopment	30,000,000
Johns River Access Ramp Repairs	450,000
Joseph Creek WLA - Repairs to Bank and Access Road	
Joseph Creek WLA School House Access	185,000
Jump Off Joe Lake Access Replace Toilets	50,000
Kress Lake Trail Repairs	
Lake Serene Access Replace Toilets	65,000
Lake Sixteen Access Replace Toilets	65,000
Lake Stickney Toilet Replacement	30,000
Lake Tahuya Access Development	350,000
Lake Terrell HQ Equipment Parking	250,000
Lake Terrell Wildlife Area HQ Painting	85,000
Leidl South Access Ramp	300,000
Leque Island Restoration	
Lind Coulee Access Ramp	600,000

Title	10 yr Plan Cost
Long Lake Boat Launch Extension	125,000
Long Lake Toilet 09-422	65,000
Loon Lake Access Single Ramp	125,000
Lower Kalama - Replace Vehicle Bridge	550,000
Lower Valley Access Site Development	
LT Murray - Green Gate & Naneum Road Rec Plan Implementation	100,000
LT Murray WLA - Replace Elk Fencing	
LT Murray/Wenas RMAP - New Acquisitions	200,000
Marshall Lake Access Replace Toilets	65,000
McDonald Road Access Dike Setback and Riparian Restoration	850,000
McFarland Creek Toilet Replacement	65,000
Methow Wildlife Area Boulder Creek and Chewuch River Campgrounds	650,000
Methow WL Fencing	745,000
Methow WLA - Renovations to Storage Barn	105,000
Methow WLA - Replace HQ Office	245,000
Morgan Marsh Parking Area Development	85,000
Morse Creek Unit House Removal	
Mt Vale Residence Energy Upgrade	
Mt. St Helens Wildlife Area DOT Site Restoration	275,000
Nisqually Unit Facility Pier and Foundation Repair	
North Leque Island Restoration Project	
North Olympic Wildlife Area, Discovery Bay Tributary Fish Passage	675,000
Oak Creek WLA - Construct New Vehicle Workshop	
Oak Creek WLA - Irrigation Efficiencies	245,000
Oak Creek WLA - NF Cowiche Road Improvements	
Oak Creek WLA - Office Renovation	
Oak Creek WLA - Repairs to Junction Road and Elk Fencing	75,000
Oak Creek WLA - Residence and Shop Sidewalk Repairs	
Oak Creek WLA - Road Renovation Project	450,000
Oak Creek WLA - Shop Replacement	300,000
Oak Creek WLA - Upgrades to Cowiche Road and Bridge and Roadway	145,000
Oak Creek WLA - Visitor Center and Viewing Area Improvement	275,000
Oak Creek WLA RMAP	200,000
Okanogan Irrigation	125,000
Olympic - Willapa Hills wildlife area complex headquarters pole bulidings	150,000
Panther Lake Access Replace Toilets	65,000
Pateros Unit Boundary Fence Replacement	750,000
Pattison Lake Access Ramp Repairs	450,000
Penn Cove Access Replace Toilets	65,000
Plums 1 Access Replace Toilets	65,000
Point No Point Boat Launch	950,000
Pond 3 Replace Vault Toilet	65,000
Ponds 1 & 2 Access Replace Vault Toilets	80,000
Private Timber Access	35,000

Title	10 yr Plan Cost
Quincy Lake Access Ramp	300,000
Rapjohn Lake Access Replace Toilets	65,000
Region 1 - Replace Fiberglas Toilets Region-wide (6 locations)	
Region 3 - Elk Fence Replacement (5 Miles)	900,000
Region 6 - Replace Fiberglas Toilets (8 ea)	
Round Lake Boat Launch Improvement	300,000
Sacheen Lake Access Improvements	500,000
Samish Unit - Replace Equipment Storage Barn	
Satterland Road Access Gate	25,000
Scatter Creek WLA - Improvements to Parking Access	
Scotch Creek Wildlife Area Building Removal	15,000
Scotch Creek Wildlife Area Correct Diversion	65,000
Scotch Creek Wildlife Area Irrigation Efficiencies	65,000
Scotch Creek Wildlife Area Wetland Control Structure	125,000
Seattle Pier 86 - Repair Fishing Pier	4,149,000
Seep Lakes Road Reconstruction (Adams County)	245,000
Sekiu Boat Ramp Acquisition and Development	500,000
Shady Lake Access Replace Toilets	65,000
Sherman Cr WLA Replace Diversion	150,000
Sinlahekin Creek Diversion and Channel Rechannelization Project	250,000
Sinlahekin Headquarters Electrical Service Upgrades	125,000
Sinlahekin Wildlife Area Correct Diversion	125,000
Sinlahekin Wildlife Area Fence Removal, Construction and/or Repair	625,000
Sinlahekin Wildlife Area Okanogan Subbasin Culvert	
Sinlahekin Wildlife Area Renovate Wildlife Viewing Blinds	45,000
Sinlahekin Wildlife Area Repairs to Residence	
Sinlahekin Wildlife Area Trails Renovation	90,000
Sinlahekin WLA - Alternative Energy and Backup System	75,000
Sinlahekin WLA - Bulk Tank Removal	25,000
Sinlahekin WLA - Renovations to Woodshop	100,000
Skagit WLA - Repairs to Dike and Drainage	
Skagit WLA - Replace HQ Septic System	
Skagit WLA - Replace Office	250,000
Skagit WLA - Tidegate Repair and Wetland Enhancement	
Skagit WLA and North Sound Weed Crew Shop	65,000
Skagit WLA Residence Repairs	80,000
Skookumchuck - Install Toilet	
Snoqualmie WLA Barn Replacement	200,000
Snoqualmie WLA Ebey Island Parking Access Development	250,000
Snow Creek Resort - Reconstruct Facility	3,760,000
Snow Creek Resort - Replace Mooring Buoys	80,000
South Puget Sound WLA - Boat Washing Facility	250,000
South Puget Sound WLA - Boundary Security Fence Improvements	
South Puget Sound WLA - Energy Efficiency Renovations	

Title	10 yr Plan Cost
South Puget Sound WLA - Marine Mammal Office and Lab Renovation	
South Puget Sound WLA - Ph. 1 Western Pond Turtle Reintro. Enclosure	
South Puget Sound WLA - Renovations to Western Pond Turtle Facility	
South Puget Sound WLA - Secure Compound w/Covered Equip Storage and Workshop	650,000
Spears Bridge - Remove Vehicle Bridge	65,000
Squalicum Lake Access Replace Toilets	65,000
Statewide Bridge Repairs	525,000
Statewide Signage and Interpretive Signs	250,000
Statewide Toilet replacement	500,000
Stavis Creek Tributary Culvert Crossing Modifications	
Stinson Flats Access Site - Rebuild Damaged Boat Ramp	110,000
Storm Lake Access Replace Toilets	65,000
Sunnyside WA Irrigation Efficiencies Mesa, Ruply, Snipes	675,000
Swanson Lakes WLA - Land Acquisition and HQ Facility	400,000
Tanwax Lake Access Replace Toilets	65,000
Volger Lake Access Replace Toilets	65,000
W Medical Lake Access 2 Separate Single Ramps	300,000
W Medical Lake Access Replace Toilets	50,000
Washburn Island - Replace Center Pivot Irrigation System	165,000
Water Right Compliance/Flow Meters	300,000
Wells WLA - Bunkhouse Upgrade	50,000
Wenas Road Improvements	55,000
Wenas WLA - Equipment Shed Enhancements	
Wenas WLA - Mt Vale Electrical Upgrades	
Wenas WLA - Mt Vale Residence Energy Efficiency Upgrade	
Wenas WLA - Replace Mt Vale Office Septic System	65,000
Wenas WLA - Replace Office paid 75% by BPA	240,000
Wenas WLA -Irrigation Efficiencies (Mtn Vale and McCabe)	65,000
West Branch Little Spokane Boundary Fence	843,000
West Branch Little Spokane WLA South Parking Lot	65,000
Whiskey Dick Wildlife Area Road Renovation	200,000
Wiley Slough Restoration and Dike Repair	2,600,000
Williams Lake Access Replace Toilets	50,000
Windmill Access Ramp	300,000
Wiser Lake Access Replace Toilets	65,000
Wynoochee River - White Bridge Culvert and Road Repair	

Total Backlog 599,166,000





## Capital Project Request

2019-21 Biennium

Version: AA 2020 DFW Supplemental Request

Report Number: CBS002

Date Run: 9/19/2019 12:38PM

Project Number: 30000661

Project Title: Soos Creek Hatchery Renovation

## Description

Starting Fiscal Year: 2020

Project Class: Preservation

Agency Priority: 2

### Project Summary

The Soos Creek Hatchery is one of the most important salmon hatcheries in the Puget Sound Region, annually producing 6.5 million Chinook and 1.2 million Coho Salmon. Fish produced at this facility contribute directly to Muckleshoot Tribal fisheries, as well as sport and commercial fisheries in the Green River, Puget Sound, and the Pacific Ocean. It is an aging facility originally constructed in 1901 that is becoming costly to maintain and is frequently damaged by flooding events. Construction of Phase 2 of this project will move the hatchery building and rearing ponds out of the flood plain, and construct a new pumped intake and pollution abatement pond. Completion of this phase will allow the hatchery to meet federal and state criteria for fish screening, fish passage, and water quality standards, and provide a safer working environment for hatchery workers. Additional funding is needed to complete the third and final phase which includes habitat restoration and mitigation, cultural resources mitigation, and a water filtration system.

### Project Description

1. Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.

*The Soos Creek Hatchery is an aging facility located in the floodplain and is damaged frequently by flooding events, putting staff at risk and creating large costly cleanups after flood events. Current construction of Phase 2 moves the hatchery incubation and office buildings to a higher elevation and will minimize the chances for flood damage. The rearing raceways are falling apart due to age and are frequently overtopped by flooding, resulting in fish escaping prior to scheduled release. Replacing the pumped intake and pollution abatement ponds will allow the hatchery to meet all federal and state criteria for screening, fish passage, and water quality standards. This request finishes a multi-biennia project.*

2. What will the request produce or construct (i.e., predesign or design of a building, construction of additional space, etc.)? When will the project start and be completed? Identify whether the project can be phased, and if so, which phase is included in the request. Be prepared to provide detailed cost backup.

*There are three phases of construction with Phase 1 beginning in 2017 and Phase 3 ending in 2021. Phase 1 rebuilds the adult fish ladder, trapping, holding and spawning areas. Phase 2 will construct a new hatchery incubation building that will be fed with settled water to enhance survival of incubating eggs and fry. Phase 2 will also rebuild the hatchery's water supply intake and pollution abatement systems to meet federal and state fish passage and fish screening criteria and water quality standards, as well as the relocation of facilities out of the floodplain. All project elements in Phase 1 and 2 are identified in the Hatchery Scientific Review Group (HSRG) recommendations and principals. Phase 1 is complete and Phase 2 construction completion is anticipated in early 2020. Phase 3 will include habitat restoration and site work, cultural resources mitigation and installation of a water filtration system.*

3. How would the request address the problem or opportunity identified in question 2? What would be the result of not taking action?

*The completion of Phase 3 will move the facilities out of the floodplain, reducing the damage caused by flooding events and improving safety for the hatchery staff. Rebuilding the aging infrastructure brings the facility into compliance with all state and federal requirements for fish passage, screening, and water quality, and will enable the facility to meet fish production goals.*

4. What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associated predesign, please summarize the alternatives the predesign considered.

*This is finishing an ongoing project that requires additional funding to complete the third and final phase.*

5. Which clientele would be impacted by the budget request? Where and how many units would be added, people or communities served, etc.

*The clientele impacted by this budget request are Tribal, sport, and commercial fishers that utilize salmon produced from this facility. These fisheries occur in the Green River, Puget Sound, and the Pacific Ocean, and generate up to \$3 million in revenue annually. Additionally, Soos Creek Hatchery is a very heavily visited hatchery due to its location in Auburn, Washington, and is involved with many school groups and educational activities.*

6. Will other funding be used to complete the project? How much, what fund source, and could the request result in matching federal, state, local or private funds?

Capital Project Request

2019-21 Biennium

Version: AA 2020 DFW Supplemental Request

Report Number: CBS002

Date Run: 9/19/2019 12:38PM

Project Number: 30000661

Project Title: Soos Creek Hatchery Renovation

**Description**

Agency requests State Building Construction Account funds for this project.

7. Describe how this project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming and other analyses as appropriate.

*This project supports the Department's strategic plan by conserving and protecting native fish. Through improved fish passage and preventing fish from entering the intakes, the Department will reduce hatchery impacts to native fish. This project will also allow the Department to improve an existing asset and reduce the deferred maintenance backlog.*

8. Is this project linked to Puget Sound Partnership's "Puget Sound Action Agenda"?

*The proposed project is linked to the Puget Sound Action Agenda in that this Hatchery operates within the Chinook Puget Sound ESU. The proposed hatchery rebuild is to ensure that the new facilities are fully intragrated into Chinook Recovery Goals established by NOAA, and meet all current federal regulations and state guidelines for hatchery operations.*

*The funding would support Puget Sound Action Agenda Ecosystem Strategy #6 Protect and Recover salmon, specifically: sub-strategy # 6.3 Implement harvest, hatchery, and adaptive management elements of salmon recovery, 6.4 Protect and recover steelhead and other imperiled salmonid species and 6.5 Maintain and enhance the community infrastructure that supports salmon recovery*

9. Does this project contribute to statewide goals to reduce carbon pollution and/or improve energy efficiency? If yes, please elaborate.

N/A

10. Is there additional information you would like decision makers to know when evaluating this request?

*The hatchery rearing program is fully coordinated with the relevant Puget Sound Tribes, primarily the Muckleshoot Indian Nation. Work at this hatchery is intragrated with tribal rearing facilities and provides for a cooperative and enhanced on the ground relationships with our tribal co-managers. This facility also contribute to additional production for SRKW initiated in 2018.*

**Location**

City: Auburn

County: King

Legislative District: 047

**Project Type**

Infrastructure (Major Projects)

**Growth Management impacts**

None.

**Funding**

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	1,788,282	89	(1,147,807)		2,936,000
	<b>Total</b>	<b>1,788,282</b>	<b>89</b>	<b>(1,147,807)</b>	<b>0</b>	<b>2,936,000</b>

		Future Fiscal Periods			
		2021-23	2023-25	2025-27	2027-29
057-1	State Bldg Constr-State				
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**Operating Impacts**

Total one time start up and ongoing operating costs

**477 - Department of Fish and Wildlife  
Capital Project Request  
2019-21 Biennium**

Version: AA 2020 DFW Supplemental Request

Report Number: CBS002

Date Run: 9/19/2019 12:38PM

Project Number: 30000661

Project Title: Soos Creek Hatchery Renovation

**Operating Impacts**

Acct Code	Account Title	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
001-1	General Fund-State	200,000	200,000	150,000	150,000	150,000
	<b>Total</b>	<b>200,000</b>	<b>200,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>

**Narrative**

We anticipate there will be increased costs associated with increased fish production such as additional fish food and increased utility costs for pumps. There will also be increased costs associated with O&M of the water treatment system.

**Capital Project Request**

**2019-21 Biennium**

**Version:** AA 2020 DFW Supplemental Request

**Report Number:** CBS002

**Date Run:** 9/19/2019 12:38PM

**Project Number:** 30000830

**Project Title:** Hurd Creek - Relocate Facilities out of Floodplain

**Description**

---

## Capital Project Request

2019-21 Biennium

Version: AA 2020 DFW Supplemental Request

Report Number: CBS002

Date Run: 9/19/2019 12:38PM

Project Number: 30000830

Project Title: Hurd Creek - Relocate Facilities out of Floodplain

**Description**

Starting Fiscal Year: 2020

Project Class: Preservation

Agency Priority: 3

**Project Summary**

Recent changes in the Dungeness River channel have put the Hurd Creek Hatchery at high risk for catastrophic facility and fish loss. The proposed project rebuilds the existing infrastructure within the existing hatchery grounds footprint, but to higher elevations out of the flood plain. Hurd Creek is a critical rearing facility essential for the recovery of Dungeness and Elwha Chinook populations and summer chum. Dungeness Chinook, Elwha Chinook, as well as Dungeness summer chum stocks are listed under state and federal ESA laws. Coordination with treaty tribes and NOAA have determined hatchery intervention is necessary for these stocks to achieve their recovery goals. Hurd Creek is the only hatchery in this geographic area supplied with pathogen free well water utilized for the incubation and early rearing of both Dungeness River Chinook and Elwha River Chinook. In an effort to speed up recovery, the hatchery is also used as a "captive brood" facility for Dungeness Chinook. Captive brood is a unique hatchery program where juvenile chinook are reared to sexual maturity on site, usually four to five years, and spawned for increased egg takes and subsequently increased fish releases. Utilizing well water is essential for rearing these stocks of salmon to preclude the occurrence and spreading of fish pathogens. The primary purpose of this hatchery program is to supplement native stocks of fish back into their river of origin to help rebuild natural spawning populations within their respective native rivers.

**Project Description**

1. Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.

*The purpose of this project is to move the Hurd Creek Facility to higher ground, away from the new Dungeness River channel, which will provide long-term pathogen free water and protect hatchery infrastructure from future floods events. Hurd Creek Facilities primary purpose is to support restoration efforts for ESA listed Elwha Chinook, Dungeness Spring Chinook and Dungeness summer chum.*

*Recent flood events have topped the rearing ponds, which has compromised the "pathogen free status" of this facility, and has resulted in premature releases of fish. Maintaining this facility's pathogen free status is essential to allow the transfer of eggs, fry and fish out of the watershed to meet state and federal recovery goals. At the existing facility, flood events will directly reduce survival rates for fish released prematurely and increase the risk for disease amplification and dissemination to other watersheds.*

2. What will the request produce or construct (i.e., predesign or design of a building, construction of additional space, etc.)? When will the project start and be completed? Identify whether the project can be phased, and if so, which phase is included in the request. Be prepared to provide detailed cost backup.

*This request will construct a new hatchery building, office, water treatment facilities, rearing and captive brood ponds, and public restrooms.*

*Due to the urgency for this project, the design phase was funded in the FY2018 Supplemental Capital Budget. The design and permitting will be completed in December 2019. This request identifies the summer of 2020 to begin construction of the project and is projected to take 9 months to complete the project.*

3. How would the request address the problem or opportunity identified in question 2? What would be the result of not taking action?

*Relocating the facility decreases the chances of flood damage to infrastructure, eliminates risk of fish from escaping to adjacent waters and decreases fish and egg mortality due to flooding. It also decreases employee hazards from operations during flooding and contributes to successful recovery of ESA listed salmon stocks.*

4. What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associated predesign, please summarize the alternatives the predesign considered.

*Closing the facility was one alternative that was explored but is not a preferred option due the need for recovery of multiple listed species in multiple watersheds which this facility plays a vital role in.*

5. Which clientele would be impacted by the budget request? Where and how many units would be added, people or communities served, etc.

*All stakeholders associated with Puget Sound Chinook and chum Recovery. Recreational, commercial and Treaty tribal fishers*

## Capital Project Request

2019-21 Biennium

Version: AA 2020 DFW Supplemental Request

Report Number: CBS002

Date Run: 9/19/2019 12:38PM

Project Number: 30000830

Project Title: Hurd Creek - Relocate Facilities out of Floodplain

**Description**

and small business owners such as fishing gear, boat retailers and associated industries supporting fishing activities are the most directly affected clientele. Salmon stocks originating from the Dungeness and Elwha Rivers affect west coast fisheries from Washington, British Columbia as well as Alaska and have been identified as stocks of concern in the Pacific Salmon Treaty (PST) between Canada and the US. The recently negotiated PST identified federal operational funding to support the recovery of programs that occur at Hurd Creek Hatchery.

6. Will other funding be used to complete the project? How much, what fund source, and could the request result in matching federal, state, local or private funds?

State Capitol General Bonds 057 for capital improvements, with over \$300,000 per year for supplementing operating costs provided through the Pacific Salmon Treaty.

7. Describe how this project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming and other analyses as appropriate.

*This program supports the strategic plan in several Goals, Objectives and Activities listed below;*

*Agency Goal - #1: Healthy and Diverse Fish and Wildlife Populations and Habitats*

*Agency Objective - #3: Ensure Compliance with Regulations*

*Agency Activity -#11: Ensure WDFW Compliance with ESA and Other Government Regulations*

*Performance Measure – B: Increase the percentage of hatchery programs operated in a manner consistent with federal ESA requirements.*

*Agency Goal #2: Sustainable Fish and Wildlife –related Opportunities*

*Agency Objective #6: Provide sustainable high quality fish and wildlife-related recreational and commercial opportunities while improving the economic well-being of Washington, compatible with maintaining healthy fish and wildlife populations and habitats*

*Agency Activity #18: Conduct fish and wildlife production activities.*

*Performance Measure – B: Consistent with maximizing fishing opportunities while meeting wild stock restoration goals, increase the number of salmon smolt (in millions) released annually.*

8. Is this project linked to Puget Sound Partnership's "Puget Sound Action Agenda"?

*This project relates to Puget Sound Recovery. This program is supported in part by a grant from NOAA supporting at risk Chinook stocks in Puget Sound. The project directly supports Chapter 2 of the action agenda by recovering listed or imperiled stocks of fish. Fosters direct communications with our Tribal, salmon recovery nonprofits, state, local government and Federal partners. Hatchery rearing programs at the Hurd Creek facility apply adaptive management strategy principals. This project supports the Puget Sound Action Agenda Chapter 3 for thriving species and healthy waters for fish. The status of Chinook stocks and Southern Resident orcas are both included in the Partnership's vital signs.*

*The funding would support Puget Sound Action Agenda Ecosystem Strategy #6 Protect and Recover salmon, specifically: sub-strategy # 6.3 Implement harvest, hatchery, and adaptive management elements of salmon recovery, 6.4 Protect and recover steelhead and other imperiled salmonid species and 6.5 Maintain and enhance the community infrastructure that supports salmon recovery*

9. Does this project contribute to statewide goals to reduce carbon pollution and/or improve energy efficiency? If yes, please elaborate.

**N/A**

10. Is there additional information you would like decision makers to know when evaluating this request?

*Hurd Creek Hatchery supports ESA listed Puget Sound Chinook stocks such as Elwha and Dungeness Chinook including a captive brood rearing program.*

*Hurd Creek Hatchery sits in a unique location with 2,000 gallons per minute well water that provides pathogen free water for incubation and rearing of listed Dungeness and Elwha chinook stocks. Recovery of Elwha Chinook is highly dependent on the Hurd Creek facility to incubate and initially rear fish prior to transferring back to Elwha Rearing Channel for final rearing and release.*

*In recent critical stock reviews, the federal government, treaty tribes and state fishery managers have identified the Hurd Creek Hatchery as the preferred facility to supplement listed summer chum stocks in the eastern Straits of Juan de Fuca.*

**Location**

City: Sequim

County: Clallam

Legislative District: 024

**Project Type**

Infrastructure (Major Projects)



**477 - Department of Fish and Wildlife  
Capital Project Request  
2019-21 Biennium**

Version: AA 2020 DFW Supplemental Request

Report Number: CBS002

Date Run: 9/19/2019 12:38PM

Project Number: 30000830

Project Title: Hurd Creek - Relocate Facilities out of Floodplain

**Description**

**Growth Management impacts**

The Department is renovating an existing asset and does not expect impact to growth management.

**Funding**

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	11,792,011		66,011		11,726,000
	<b>Total</b>	<b>11,792,011</b>	<b>0</b>	<b>66,011</b>	<b>0</b>	<b>11,726,000</b>
<b>Future Fiscal Periods</b>						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	

**Operating Impacts**

No Operating Impact

**Capital Project Request**

**2019-21 Biennium**

**Version:** AA 2020 DFW Supplemental Request

**Report Number:** CBS002

**Date Run:** 9/19/2019 12:38PM

**Project Number:** 30000680

**Project Title:** Beaver Creek Hatchery - Renovation

**Description**

---

## Capital Project Request

2019-21 Biennium

Version: AA 2020 DFW Supplemental Request

Report Number: CBS002

Date Run: 9/19/2019 12:38PM

Project Number: 30000680

Project Title: Beaver Creek Hatchery - Renovation

**Description**

Starting Fiscal Year: 2020

Project Class: Preservation

Agency Priority: 4

**Project Summary**

The proposed project is for Beaver Creek Hatchery renovation. This hatchery facility was built in the late 1950's and is approximately 60 years old and in poor condition. Capital funds were appropriated in the current biennium to repair the hatchery's water intakes for compliance with federal regulations and state guidelines for compliance with fish passage and screening criteria. Additional investments to on-site housing, replace the existing rearing ponds, water distribution box, replace and upgrade incubation room piping, replace valves and incubation units, as well as replace water supply and drain lines are necessary to continue salmonid production in the future. The Beaver Creek rearing programs support the lower Columbia River commercial tangle net fisheries and marked selective recreational fisheries in the main stem lower Columbia River, as well as the off-channel commercial fishery in Deep River. The Beaver Creek Hatchery produces 1.0 million Chinook, 925,000 coho, and rears and plants 160,000 steelhead annually into lower Columbia River tributaries to create and maintain recreational fishery opportunities in Southwest Washington. This facility is also crucial to the production of up to 1 million additional spring Chinook smolts and 225,000 Coho that will increase prey availability for ESA listed Southern Resident Killer Whales (SRKW) as directed by the governor's SRKW task force.

**Project Description**

1. Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.

*The existing housing, rearing ponds, incubation room, and water lines are all in poor condition and it is becoming very difficult to meet current rearing standards and maintain sound fish culture practices. Maintaining fishery opportunities in southwest Washington is a key economic driver for many of the small local rural communities. This facility is key to providing economic opportunities within the local region and is integral in implementing additional Chinook and Coho production intended to increase prey availability for the ESA listed Southern Resident Killer Whale population. When the Beaver Creek Hatchery has been renovated, the Department will be able to fully shift production from Grays River Hatchery to the Beaver Creek Hatchery, and close Grays River Hatchery. (Grays River Hatchery is also very old, approximately 60 years, and also is in very poor condition). These proposed actions will result in staff savings, reduction of risk to state resources, reduction in facility up-keep and maintenance, and overall savings in the current operating budget and future Capital Budget appropriations. The Mitchell Act BiOp requires that the department either move production to Beaver Creek or fix the Grays River Intake which was investigated and deemed not an option due to bedload movement over the next 100 years.*

2. What will the request produce or construct (i.e., predesign or design of a building, construction of additional space, etc.)? When will the project start and be completed? Identify whether the project can be phased, and if so, which phase is included in the request. Be prepared to provide detailed cost backup.

*The Department requests this project be phased. Phase 1 is crucial and would fund predesign and two urgent repairs... connecting the new screen cleaning system, and replacing the hoist at the Risk road trap that feeds the hatchery. Phase 2 is design and permitting of new facilities to replace the failing infrastructure in the 2021-23 biennium. Phase 3 is proposed for the 2023-2025 Biennium and includes beginning and completing construction. The proposed project will be designed and constructed on the current hatchery grounds.*

3. How would the request address the problem or opportunity identified in question 2? What would be the result of not taking action?

*The proposed project would replace all identified failing infrastructure. Replacement will include new rearing ponds and incubation units that will meet current rearing guidelines and sound fish culture practices. Renovation of this hatchery will ensure that existing fishery opportunities that protect natural spawning populations while providing directed opportunities for both commercial and recreational fisheries will continue into the future. Lack of investments into the Beaver Creek Hatchery will result in significant reductions to both commercial and recreational fishery opportunities in Southwest Washington and to the fisheries off Washington's coast and decreased prey availability for ESA listed Southern Resident Killer Whales.*

4. What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associated predesign, please summarize the alternatives the predesign considered.

*Rebuilding Gray River Hatchery was investigated and the geological report estimated 100 years of bedload will be moving*

Capital Project Request

2019-21 Biennium

Version: AA 2020 DFW Supplemental Request

Report Number: CBS002

Date Run: 9/19/2019 12:38PM

Project Number: 30000680

Project Title: Beaver Creek Hatchery - Renovation

**Description**

*through the watershed. This would require dredging the Gray River on an annual basis and is not likely to be permitted by the USACE.*

5. Which clientele would be impacted by the budget request? Where and how many units would be added, people or communities served, etc.

*Clientele affected by this request are commercial and recreational fishers; local business owners who directly and indirectly support fishery related gear; activities such as ports, gas stations, sport shops and restaurants; and boat sales, engine repairs, and netting. The economic value of Beaver Creek Hatchery production is just under \$3,000,000 annually.*

6. Will other funding be used to complete the project? How much, what fund source, and could the request result in matching federal, state, local or private funds?

*None identified at this time.*

7. Describe how this project supports the agency’s strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming and other analyses as appropriate.

*Goal 2: Provide sustainable fishing, hunting, and other wildlife-related recreational and commercial experiences.*

*Objectives:*

*A. Fishing, hunting, wildlife viewing, and other outdoor activities are enhanced and expanded.*

*B. Hatcheries and public access sites are safe, clean, and effectively support people’s use and enjoyment of natural resources.*

*Goal 3: Promote a healthy economy, protect community character, maintain an overall high quality of life, and deliver high-quality customer care*

*Objectives:*

*A. Conservation of fish and wildlife is widely supported by communities across Washington.*

*B. The economic benefits of fishing, hunting, and other wildlife-related jobs are supported by and linked to the Department’s activities.*

*C. The Department’s decisions support communities through valuing, understanding, and evaluating input from stakeholders.*

*Strategies:*

*Increase recruitment and retention of customers by improving the marketing of fishing, hunting, and wildlife watching opportunities.*

*Goal 4: Build an effective and efficient organization by supporting our workforce, improving business processes, and investing in technology.*

*Objectives:*

*A. Work environments are safe, highly functional, and cost-effective.*

8. Is this project linked to Puget Sound Partnership’s “Puget Sound Action Agenda”?

*The funding would support Puget Sound Action Agenda Ecosystem Strategy #6 Protect and Recover salmon, specifically: sub-strategy # 6.3 Implement harvest, hatchery, and adaptive management elements of salmon recovery, 6.4 Protect and recover steelhead and other imperiled salmonid species and 6.5 Maintain and enhance the community infrastructure that supports salmon recovery.*

9. Does this project contribute to statewide goals to reduce carbon pollution and/or improve energy efficiency? If yes, please elaborate.

*N/A*

10. Is there additional information you would like decision makers to know when evaluating this request?

*Funding this project will allow the Department to reduce risk to state resources and gain efficiencies associated with the closure of Grays River Hatchery that will garner both short-term operational savings as well as long-term maintenance and replacement costs. This facility is also crucial to increasing prey availability for ESA listed Southern Resident Killer Whales.*

**Location**

City: Cathlamet

County: Wahkiakum

Legislative District: 019

**Project Type**

Infrastructure (Major Projects)

**477 - Department of Fish and Wildlife  
Capital Project Request  
2019-21 Biennium**

Version: AA 2020 DFW Supplemental Request

Report Number: CBS002

Date Run: 9/19/2019 12:38PM

Project Number: 30000680

Project Title: Beaver Creek Hatchery - Renovation

**Description**

**Growth Management impacts**

The Department will renovate an existing asset and this renovation is not expected to impact growth management.

**Funding**

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	11,805,000				450,000
	<b>Total</b>	<b>11,805,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>450,000</b>
<b>Future Fiscal Periods</b>						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State	2,167,000	9,188,000			
	<b>Total</b>	<b>2,167,000</b>	<b>9,188,000</b>	<b>0</b>	<b>0</b>	

**Operating Impacts**

No Operating Impact

**Capital Project Request**

**2019-21 Biennium**

**Version:** AA 2020 DFW Supplemental Request

**Report Number:** CBS002

**Date Run:** 9/19/2019 12:38PM

**Project Number:** 40000004

**Project Title:** Wiley Slough Dike Raising

**Description**

---

## Capital Project Request

2019-21 Biennium

Version: AA 2020 DFW Supplemental Request

Report Number: CBS002

Date Run: 9/19/2019 12:38PM

Project Number: 40000004

Project Title: Wiley Slough Dike Raising

## Description

Starting Fiscal Year: 2020

Project Class: Preservation

Agency Priority: 5

### Project Summary

The setback levee constructed in 2009 as part of the Wiley Slough Estuary Restoration Project is deficient, causing flooding of neighboring property and damages to WDFW amenities. If not addressed the deficiencies could potentially result in dike failure, which would flood homes, roads and hundreds of acres of prime farmland in the Skagit River Delta. Repairs will ensure the local flood entity takes operations and maintenance control of the setback levee as part of their larger flood control system, and help maintain key relationships needed for broader salmon recovery efforts.

### Project Description

1. Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved / under served people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.

*The Wiley Slough Estuary Restoration setback levee, constructed in 2009 at the Skagit Wildlife Area, does not meet flood protection standards acceptable to the local diking district, Consolidated Diking and Drainage District #22 (CDD#22) and is not consistent with US Army Corps of Engineers (Corps) guidelines for flood protection systems in the Skagit. The Wiley Slough setback levee is approximately 5,500 feet long and is part of a system responsible for the flood protection of public and private property and infrastructure on Fir Island. Failure of this levee has the potential to affect flood protection for hundreds of acres of commercially viable farm land, private property, homes and roads. The setback levee has overtopped several times, the most severe of which was during a storm event in March 2016 which resulted in damage to the levee system and brackish water flooding adjacent farmland. During the same event, a trail, parking lot, landscaping and access roads were damaged on WDFW-owned property. In addition, signs of seepage have been noted landward of the setback levee, which is another potential deficiency that needs to be repaired. Currently, WDFW is providing flood protection in cooperation with CDD#22 using this deficient system*

2. What will the request produce or construct (i.e., predesign or design of a building, construction of additional space, etc.)? When will the project start and be completed? Identify whether the project can be phased, and if so, which phase is included in the request. Be prepared to provide detailed cost backup.

*This request will begin to resolve an emerging crises that began in 2016 but has reached a critical point. In addition to causing localized flooding and damage, overtopping and seepage have the potential to cause dike failure and need to be addressed immediately. This request will fund design, permitting and construction of levee repairs adequate to meet CDD#22 standards related to dike height, width and stability for this portion of the Skagit River and Skagit Bay according to the guidelines of the Corps PL84-99 Program. Design would begin immediately upon receipt of funding, and construction would occur as early as the Summer 2021. An alternatives analysis and feasibility work was previously funded through the state Estuary and Salmon Restoration Program and will be completed by December 2019. WDFW needs to begin design immediately after feasibility in order to build the project as soon as possible. The project will not move forward without additional funding. Funding in the supplemental budget will allow construction to begin in 2021. This request will also fund development of an agreement between WDFW and CDD#22 for transfer of the infrastructure to CDD#22 (including any easement or other land costs, appraisals, survey, etc), and further investigations into potential seepage effects on neighboring property and how to address it.*

3. How would the request address the problem or opportunity identified in question 2? What would be the result of not taking action?

*The proposed request would address the deficiencies in the levee system identified in Question 1 by designing and constructing the necessary repairs. Currently, WDFW has responsibility for the portion levee system on WDFW-owned land. This responsibility includes flood prevention and liability for damages incurred when the levee system is overtopped, such as the storm event in March 2016, and from potential seepage impacts. If repairs/improvements are not made to the levee system it will degrade and could potentially fail. WDFW will continue to be responsible for a levee system that does not meet current level of protection guidelines. In addition, if repairs are not made to the levee system, CDD#22 will not take operational control of the levee. WDFW will continue to own and manage the levee, including responsibility for costs incurred for flood fighting, repair of damages following flood events, and liability for damages to affected properties nearby.*

4. What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associated predesign, please summarize the alternatives the predesign considered.

## Capital Project Request

2019-21 Biennium

Version: AA 2020 DFW Supplemental Request

Report Number: CBS002

Date Run: 9/19/2019 12:38PM

Project Number: 40000004

Project Title: Wiley Slough Dike Raising

**Description**

*Dike repairs are broken down into two elements: a) dike height/configuration and b) seepage control. We currently have different levels of information about each of these elements and the funding needs to address them, as follows:*

**a) Dike height/configuration:**

*We have completed a detailed analysis of river and coastal flooding to determine the dike height needed to provide adequate flood protection that is consistent with CDD#22 guidelines. We also looked at three dike configurations which had different widths and alignments (toward or away from the water). We have selected an alternative to advance to final design and are requesting funding now to complete final design, permitting and construction of this critical repair.*

**b) Seepage control:**

*We are in the process of assessing seepage effects landward of the dike and how to address it. We are early in the process and are not able to determine a final preferred alternative yet. We are requesting funding to assess the problem and developing a preferred solution. We will be requesting funding for construction of the preferred solution in the next biennium.*

5. Which clientele would be impacted by the budget request? Where and how many units would be added, people or communities served, etc.

*WDFW, CDD#22 and neighboring properties on Fir Island*

6. Will other funding be used to complete the project? How much, what fund source, and could the request result in matching federal, state, local or private funds?

*At this time no other funding is anticipated. Several other grant proposals have been contemplated (both state and federal), but the repair aspect of the project is very difficult to fund through grants.*

7. Describe how this project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming and other analyses as appropriate.

*WDFW's neighbors need certainty and safety. If we cannot successfully repair this project, estuary restoration, critical to orca and salmon recovery, is at risk through loss of trust in estuary projects and possibly flooding of private lands. The setback levee was originally constructed as part of a salmon recovery project. The salmon recovery project is exceeding the smolt production goals for the site, but the setback levee is not performing as expected for flood protection. The construction of infrastructure that does not function properly, and lack of a repair to date, is cause for concern amongst project partners particularly in the agricultural and flood protection sectors. The Skagit River Chinook Recovery Plan calls for approximately 2,000 acres of additional sub-tidal farmland to be restored to estuary habitat. It is important that WDFW corrects the deficiencies in the Wiley Slough setback levee so that community confidence is restored and additional salmon recovery projects necessary for Chinook recovery gain public support. In addition, successful repairs to the levee will enable WDFW to transfer operational control to CDD#22, which will allow the transfer of liability and management from State resources to CDD#22.*

8. Is this project linked to Puget Sound Partnership's "Puget Sound Action Agenda

*The Wiley Slough Estuary Restoration project, which this dike repair project is a part of, is directly related to the Protected and Restored Habitats Recovery Goal and Estuaries Vital Sign, for which the indicator is "Area of estuarine wetlands restored to tidal flooding" (<https://www.psp.wa.gov/vitalsigns/estuaries.php>). The project restored 161 acres of estuary to tidal inundation. In addition the Estuaries Implementation Strategy focuses heavily on strong partnerships with the agricultural community. This dike repair project is intended to strengthen those relationships in support of current and future estuary restoration.*

9. Does this project contribute to statewide goals to reduce carbon pollution and/or improve energy efficiency? If yes, please elaborate.

*No, this project does not directly reduce carbon pollution. However the original 2009 project, which this project is now continuing/repairing, was an estuary restoration project. Estuary habitats are huge carbon sinks as shown in a study of the Snohomish estuary: <https://www.oceanfdn.org/sites/default/files/Crooks.%20Coastal%20Blue%20Carbon%20Opportunity%20Assessment%20for%20the%20Snohomish%20Estuary-ilovepdf-compressed.pdf>*

10. Is there additional information you would like decision makers to know when evaluating this request?

*Repair of Wiley Slough levee is a critically important issue for the local community and for CDD#22. The Skagit River Delta has some of the highest quality farmland in the world, and the farmland on Fir Island is sub-tidal and relies on a system of river levees and coastal dikes for protection. By continuing to operate a segment of levee that is not up to the current standards for level of protection, we put adjacent farmland, homes and roads at risk. These repairs are also important to maintain relationships necessary for long-term salmon recovery efforts, such as the estuary restoration projects identified in the Skagit Chinook recovery plan.*

**Location**

City: Mount Vernon

County: Skagit

Legislative District: 010



**477 - Department of Fish and Wildlife  
Capital Project Request  
2019-21 Biennium**

Version: AA 2020 DFW Supplemental Request

Report Number: CBS002

Date Run: 9/19/2019 12:38PM

Project Number: 40000004

Project Title: Wiley Slough Dike Raising

**Description**

**Project Type**

Remodel/Renovate/Modernize (Major Projects)

**Growth Management impacts**

The agency does not expect any impact to growth management.

**Funding**

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	5,155,000				5,155,000
	<b>Total</b>	<b>5,155,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,155,000</b>
<b>Future Fiscal Periods</b>						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	

**Operating Impacts**

No Operating Impact

**Narrative**

This project will repair an existing asset.

**Capital Project Request**

**2019-21 Biennium**

**Version:** AA 2020 DFW Supplemental Request

**Report Number:** CBS002

**Date Run:** 9/19/2019 12:38PM

**Project Number:** 30000827

**Project Title:** Forks Creek Hatchery - Renovate Intake and Diversion

**Description**

---

## Capital Project Request

2019-21 Biennium

Version: AA 2020 DFW Supplemental Request

Report Number: CBS002

Date Run: 9/19/2019 12:38PM

Project Number: 30000827

Project Title: Forks Creek Hatchery - Renovate Intake and Diversion

**Description**

Starting Fiscal Year: 2018

Project Class: Preservation

Agency Priority: 6

**Project Summary**

This request is a technical correction for an OFM approved fund transfer that happened after the 19-21 regular submittal. The biennial reappropriation for this project should be increased to reflect an additional \$350,000.00. The transfer was from project 40000026 (Hoodsport Hatchery Adult Pond Renovation) to project 30000827 (Forks Creek Hatchery - Renovate Intake and Diversion) in the amount of \$350,000.00. The expenditure authority schedule needs to be updated to reflect the increased funding to Forks Creek Hatchery - Renovate Intake and Diversion.

**Project Description**

1. Identify the problem or opportunity addressed. Why is the request a priority? (Numbers not served, students without classrooms, budget savings, safety improvements, history, and other backup necessary to understand the need for the request.)

This project presents an opportunity to improve fish passage and stream habitat and upgrade a WDFW facility (Forks Creek Hatchery) to current state and federal standards. The request is a priority because WDFW is committed to removing/improving fish passage barriers and bringing facilities into compliance with National Oceanic and Atmospheric (NOAA) and WDFW fish passage and screening criteria (WDFW 2015-17 Strategic Plan).

2. What will the request produce or construct (i.e., design of a building, construction of additional space, etc.)? When will the project start and complete? Identify whether the project can be phased, and if so, which phase is included in the request.

The request will remove a fish passage barrier, improve another fish passage barrier, improve stream habitat conditions, and construct a fishway. Phase I of this project started in 2016 with a Washington Coast Restoration Initiative Grant, and the Capital Budget request would complete Phase II in 2017. Phases I and II are outlined below:

PHASE I – Washington Coast Restoration Initiative Grant, *Design and Partial Construction*

Complete design, by WDFW engineering consultant, due May 30, 2017

Apply for permits, by WDFW, June 30, 2016

Receive permits, by WDFW, March 30, 2017

Construction contract awarded, by WDFW, June 30, 2017

Construction complete, by contractor, October 30, 2017

Project Elements to be constructed during Phase I:

Upgrade pumps at lower intake

Replace 24" diam. supply piping with 30"

Upgrade screens at lower intake – meet current criteria with combined water right (25%)

Modify weir/fishway at lower intake to facilitate upstream passage when adults not being collected

Remove in-stream structures

Bank protection with LWD

Riparian planting

PHASE II – 2017-2019 Capital Funds, *Complete Construction*

Capital Funds awarded – June 30, 2017

Construction complete, by contractor, October 30, 2017

Project Elements to be constructed during Phase II:

Upgrade screens at lower intake – meet current criteria with combined water right (75%)

Screen cleaning system

Remove siphon intake

3. How would the request address the problem or opportunity identified in question #1? What would be the result of not taking action?

This project would:

- improve fish passage by removing a fish passage barrier and improving another,
- improve stream habitat by removing in-stream structures and adding large woody debris, and
- upgrade a WDFW facility to current state and federal standards for fish passage and screening by replacing current screens with compliant material and cleaning capabilities, and adding a fishway that would improve passage conditions for wild fish.

No action could result in lawsuits from user groups (including tribal entities and federal agencies) or even hatchery closure.

While regulatory agencies may be patient with WDFW's progress, outside groups may bring lawsuits to force compliance.

**477 - Department of Fish and Wildlife**  
**Capital Project Request**  
**2019-21 Biennium**

Version: AA 2020 DFW Supplemental Request

Report Number: CBS002

Date Run: 9/19/2019 12:38PM

Project Number: 30000827

Project Title: Forks Creek Hatchery - Renovate Intake and Diversion

### Description

4. Which clientele would be impacted by the budget request? Where and how many units would be added, people or communities served, etc. Be prepared to provide detailed cost backup.

Clientele impacted by this project are recreational and commercial fishers and business owners in Pacific County whose local economies depend on angling tourism dollars, particularly those who service and/or sell fishery related goods or process fish. Benefitting the Pacific County economy would in turn benefit the economy of Washington State. If the hatchery were to close due to failure to comply with state and federal fish passage and screening criteria, these dollars would be lost. Additionally, the Pacific County (WRIA 24) Strategic Plan for Salmon Recovery (2001) states that if critical habitat needs are restored, fish passage barriers are removed, and salmonid populations are increased, "then the Willapa community may see a return to viable natural spawning that will in turn support the Willapa region's historic fishing industry for all salmon species."

5. Does the request include IT-related costs? (See the IT Appendix for guidance, and follow directions to meet the OCIO review requirement.) What alternatives were explored? Why was the recommended alternative chosen?

No.

6. Will non-state funds be used to complete the project? How much, what fund source, and could the request result in matching federal, state, local, or private funds?

Yes, a Washington Coast Restoration Initiative Grant (managed by RCO) will complete a portion of the project (Phase I, as outlined in Question 3) – \$2,107,000.00

7. Describe how the project supports the agency's strategic/master plans, contributes to statewide goal, or enables the agency to perform better. Reference feasibility studies, master plans, space programming, and other analyses as appropriate.

This project supports the following initiatives outlined in the WDFW 2015-17 strategic plan related to Goal 1 (Conserve and protect native fish and wildlife):

- *Initiative 28: Increase the miles of stream habitat re-opened to salmon and steelhead access from 350 to 450 miles by 2016.*

- *Initiative 29: Increase the number of fish passage barriers corrected per year from 375 to 500 by 2016.*

This project would open 28 miles of spawning and rearing habitat for Chum, Chinook, and Coho salmon, Steelhead, and Cutthroat Trout by removing one fish passage barrier and improving another fish passage barrier.

This project supports the following HSRG recommendations (HSRG 2014 – On the Science of Hatcheries):

- *Minimize adverse ecological interactions between hatchery- and natural-origin fish*

Improved adult collection capabilities will reduce the number of hatchery fish upstream of the facility that could potentially reduce fitness of wild fish through interbreeding.

- *Minimize effects of hatchery facilities on the ecosystem in which they operate*

This project would bring Forks Creek Hatchery into compliance with NOAA and WDFW fish passage and screening criteria, thereby protecting wild fish populations. Currently, some hatchery fish are able to pass above the hatchery weir at high flows, potentially reducing the fitness of wild fish populations through interbreeding.

This project supports the following HSRG recommendations (HSRG 2005 – Puget Sound and Coastal Washington Hatchery Reform Project, Willapa Bay):

- *Forks Creek Hatchery – improve the facility's adult collection capabilities to permit collections during high flows.*

This project would raise the hatchery weir approximately 2 feet, which would decrease the number of fish able to pass above the weir at high flows, therefore resulting in improved adult collections during high flows. Improved adult collection capabilities will reduce the number of hatchery fish upstream of the facility that could potentially reduce fitness of wild fish through interbreeding.

- *Provide screening and fish passage at all regional facility intakes.*

This project would bring Forks Creek Hatchery into compliance with NOAA and WDFW fish passage and screening criteria, thereby protecting wild fish populations.

This project addresses limiting factors outlined in the Pacific County (WRIA 24) Strategic Plan for Salmon Recovery (2001):

- *Low levels of large woody debris to store [spawning] gravels.*

This project would add large woody debris, which will provide the river reach the ability to capture gravels.

- *Fish blockages.*

This project would remove one fish passage barrier and improve another fish passage barrier.

- *Forks Creek is on the Washington State 303(d) List for exceeding water temperature.*

New riparian plantings will lower stream temperature by providing shade.

**477 - Department of Fish and Wildlife  
Capital Project Request  
2019-21 Biennium**

Version: AA 2020 DFW Supplemental Request

Report Number: CBS002

Date Run: 9/19/2019 12:38PM

Project Number: 30000827

Project Title: Forks Creek Hatchery - Renovate Intake and Diversion

**Description**

This project supports the following goal in the Washington Coast Sustainable Salmon Plan (2013):  
 · *Regional hatchery practices will not impair wild fish populations and, where appropriate, will help to protect them.*  
 This project would bring Forks Creek Hatchery into compliance with NOAA and WDFW fish passage and screening criteria, thereby protecting wild fish populations. Currently, some hatchery fish are able to pass above the hatchery weir at high flows, potentially reducing the fitness of wild fish populations through interbreeding.

8. For projects linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda. See Chapter 14.4 in the 2017-19 Operating Budget Instructions.  
 This project is not linked to the Puget Sound Action Agenda. It does not take place in the Puget Sound area.

9. Is there additional information you would like decision makers to know when evaluating this request?  
 This project supports initiatives and goals outlined in the WDFW 2015-17 strategic plan, statewide and local recommendations by the Hatchery Scientific Review Group (HSRG), the Pacific County Strategic Plan for Salmon Recovery, and the Washington Coast Sustainable Salmon Plan. The request will improve fish passage by removing a fish passage barrier and improving another; improve stream habitat by removing in-stream structures and adding large woody debris; and upgrade a WDFW facility (Forks Creek Hatchery) to current state and federal standards for fish passage and screening by replacing current screens with compliant material and cleaning capabilities, and adding a fishway that would improve passage conditions for wild fish. This project would open 28 miles of spawning and rearing habitat for Chum, Chinook, and Coho salmon, Steelhead, and Cutthroat Trout.

**Location**

City: Raymond

County: Pacific

Legislative District: 019

**Project Type**

Infrastructure (Major Projects)

**Growth Management impacts**

None

**Funding**

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	349,525		(2,577,475)	2,927,000	
	<b>Total</b>	<b>349,525</b>	<b>0</b>	<b>(2,577,475)</b>	<b>2,927,000</b>	<b>0</b>
<b>Future Fiscal Periods</b>						
		<u>2021-23</u>	<u>2023-25</u>	<u>2025-27</u>	<u>2027-29</u>	
057-1	State Bldg Constr-State					
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	

**Operating Impacts**

No Operating Impact

**Narrative**

This project will renovate an existing hatchery intake and diversion.

**Capital Project Request**

**2019-21 Biennium**

**Version:** AA 2020 DFW Supplemental Request

**Report Number:** CBS002

**Date Run:** 9/19/2019 12:38PM

**Project Number:** 30000827

**Project Title:** Forks Creek Hatchery - Renovate Intake and Diversion

**Operating Impacts**

---

## Capital Project Request

2019-21 Biennium

Version: AA 2020 DFW Supplemental Request

Report Number: CBS002

Date Run: 9/18/2019 11:56AM

Project Number: 40000085

Project Title: Infrastructure Master Plan for SRKW Recovery

## Description

Starting Fiscal Year: 2020

Project Class: Program

Agency Priority: 1

### Project Summary

The overall goal of this project is to increase salmon production at Washington State Department of Fish and Wildlife (WDFW) hatcheries to increase prey abundance for Southern Resident Killer Whales, and to enhance fishing opportunities. NOAA has identified salmon as the preferred food source for these whales and there is a steady decline in the abundance and available distribution of salmon throughout the year resulting in a negative impact on the whale populations. The SRKW Task Force Report Recommendation #6 recommends to substantially increasing hatchery production. Increased production of hatchery salmon will increase the returns of adult salmon as forage for Southern Resident Killer Whales while having secondary benefit to tribal, recreational and commercial fishers.

### Project Description

1. Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.

*Southern Resident Killer Whales have been listed as an endangered species since 2005 and since then the populations have been on the decline in large part due to a lack of available salmon in the Puget Sound and Columbia River as forage. WDFW staff from across the agency continue to meet to discuss the most important, and especially the most immediate, actions that could be taken to accelerate Orca recovery while improving harvest opportunities for tribal, recreational and commercial fishers. Focus was given to potential actions that the agency or Governor could fully or partially implement or better support, of which increased salmon production at hatcheries was identified as a priority. Increased production goals include an additional 55 million salmon in Puget Sound, Washington coast and the Columbia River.*

2. What will the request produce or construct (i.e., predesign or design of a building, construction of additional space, etc.)? When will the project start and be completed? Identify whether the project can be phased, and if so, which phase is included in the request. Be prepared to provide detailed cost backup.

*Additional hatchery production at sixteen existing WDFW facilities will require significant capital investment estimated at \$160 million. This request will fund a master planning process that will assess existing infrastructure, determine needs (gap analysis), and identify/prioritize projects. It is estimated that this effort will require one biennia to complete.*

*The master plan would address elements such as:*

- Hatchery locations
- Capacity
- New aquaculture technology to include recirculating water systems
- Permanent vs. interim facilities
- Feasibility
- Water rights
- Land Acquisition

3. How would the request address the problem or opportunity identified in question 2? What would be the result of not taking action?

*This request addresses providing more of the preferred prey item, salmon, for Southern Resident Killer Whales. In addition, it will provide enhanced fishing opportunities for tribal, recreational and commercial fishers.*

*No action will result in continued inadequate levels of adult salmon that Orcas utilize as food. No action will also result in less tribal, commercial and recreational harvest opportunities.*

*As long as habitat continues to degrade, boat traffic persists, and toxins are in our waterways, the need for hatchery-reared salmon will increase.*

4. What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associated predesign, please summarize the alternatives the predesign considered.

*WDFW has worked to identify capacity within current facilities and are implementing new production within these facilities.*

**477 - Department of Fish and Wildlife  
Capital Project Request  
2019-21 Biennium**

Version: AA 2020 DFW Supplemental Request

Report Number: CBS002

Date Run: 9/18/2019 11:56AM

Project Number: 40000085

Project Title: Infrastructure Master Plan for SRKW Recovery

**Description**

*Production above the capacity of current facilities is needed and will require a more in-depth review of where and how to accomplish this task. WDFW initially identified projects that have the highest possibility of success to meet current infrastructure, ESA/environmental constraints, etc. It was determined that the scope of this analysis would be better performed utilizing expertise outside of the agency. The recommendation is that a master plan for building capacity in our hatchery system for the benefit to SRKW and fisheries enhancement be developed to ensure that the agency is able to make the most fiscally sound decisions while increasing hatchery production.*

5. Which clientele would be impacted by the budget request? Where and how many units would be added, people or communities served, etc.

*There are many anticipated benefits from this project. Increased salmon production at WDFW hatcheries will help to provide more abundant and widely distributed food source for declining populations of Southern Resident Killer Whales. WDFW will be working closely with Tribal co-managers and stakeholders to obtain agreement for additional production and will work with NOAA and USFWS to ensure that all new production meets Endangered Species Act requirements.*

*In addition, the increase of salmon production will provide more harvest opportunities for commercial, recreational and Tribal fishers which is of great economic benefit to Washington State.*

6. Will other funding be used to complete the project? How much, what fund source, and could the request result in matching federal, state, local or private funds?

*The amount of any non-state funding contribution is unknown at this time.*

7. Describe how this project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming and other analyses as appropriate.

*This project directly supports the WDFW mission statement by supporting ESA-listed species, and providing additional opportunities for recreation in Washington State. Salmon recovery is of primary emphasis to WDFW and numerous other species will benefit from this action in addition to the Southern Resident Killer Whales.*

8. Is this project linked to Puget Sound Partnership's "Puget Sound Action Agenda"?

*The funding would support Puget Sound Action Agenda Ecosystem Strategy #6 Protect and Recover salmon, specifically: sub-strategy # 6.3 Implement harvest, hatchery, and adaptive management elements of salmon recovery, 6.4 Protect and recover steelhead and other imperiled salmonid species and 6.5 Maintain and enhance the community infrastructure that supports salmon recovery*

9. Does this project contribute to statewide goals to reduce carbon pollution and/or improve energy efficiency? If yes, please elaborate.

N/A

10. Is there additional information you would like decision makers to know when evaluating this request?

**Location**

City: Statewide

County: Statewide

Legislative District: 098

**Project Type**

Special Programs

**Growth Management impacts**

N/A

New Facility: No

**Funding**

Acct Code	Account Title	Estimated Total	Expenditures		2019-21 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	1,000,000				1,000,000



**477 - Department of Fish and Wildlife  
Capital Project Request  
2019-21 Biennium**

Version: AA 2020 DFW Supplemental Request

Report Number: CBS002

Date Run: 9/18/2019 11:56AM

Project Number: 40000085

Project Title: Infrastructure Master Plan for SRKW Recovery

<b>Funding</b>						
<b>Total</b>		<b>1,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,000,000</b>
		<b>Future Fiscal Periods</b>				
		<b>2021-23</b>	<b>2023-25</b>	<b>2025-27</b>	<b>2027-29</b>	
057-1	State Bldg Constr-State					
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	

**Operating Impacts**

No Operating Impact

Narrative

N/A