Strait LIO: Improve Local Riparian Corridor Management and Instream Habitat Results Chain

D

Help Me: Incentives (Technical and Economic)

Barriers

Funding

Lack of reliable and sufficient funding for local actions that contribute to regional recovery

Capacity

Limited staff capacity to implement actions

Limited Lead Entity, MRC, and Strait ERN LIO coordination capacity

Data Gaps

Outdated Limiting Factors Analysis

CHINOOK IMPLEMENTATION STRATEGY: Improve Regional Support for Habitat Protection

Improve Riparian Corridor Management and Instream Habitat

CONSERVATION MEASURE

16-1377 Morse Creek Riparian Conservation

14-1385 AR Dungeness Landscape Protection- RM1.5 to RM 6.5

14-1384 AR Dungeness Habitat Protection- RM 6.5 to 7.5 Phase

15-1200 Snow Creek Uncas Preserve Phase 2

Identified opportunities for acquisition & easements → Prioritized Parcels → Developed conservation strategies in partnership with landowners → Implemented conservation strategies including purchase of properties & conservation easements → Riparian areas are conserved, protected, and restored along freshwater and marine shorelines → Riparian areas are not utilized for natural resource production or converted to housing infrastructure → Housing and Urban Areas have less effect on other pressure sources

2018-0759 Dungeness River Riparian Habitat Protection

RESTORATION MEASURES (LWD)

13-1078 R Elwha River Revegetation Support Phase 2

Large wood assessment completed → Parcels for LWD placements prioritized → Secured funding → Project design completed → Large wood installed on highest priority parcels → Large wood is restored in mainstem & sidechannels → LWD and riparian areas are restored in watersheds

2018-0174 Snow Creek LWD Restoration Project

Landowner Outreach

Community/political support for large wood restoration increased

Secured owner permission for restoration on high priority parcels

2018-0720 Dungeness River Large Wood Restoration - Upper Dungeness/Gray Wolf Phase 2

Areas are replanted with native vegetation species

16-1373 Little River Large Woody Materials

16-1427 Strait of Juan de Fuca Intensely Monitoring Watershed Restoration Project

Riparian areas are not utilized for natural resource production or converted to housing infrastructure

14-1374 P Little River LWD Planning Project

13-1065 R Upper Dungeness Large Wood Restoration

Intermediate goals: habitat complexity re-introduced and refugia restored

13-1067 R Dungeness River Riparian Restoration

CHINOOK IMPLEMENTATION STRATEGY: Improve Regional Support for Habitat Restoration

RESTORATION MEASURES (NON-LWD)

Inventoried refugia → Identified opportunities for restoration → Prioritized parcels → Developed restoration strategies in partnership with landowners → Implemented restoration strategies Examples: Invasive species management and planting native vegetation

2018-0177 Dungeness River Riparian Recovery Project: Phase 2

16-1473 East Jefferson Summer Chum Riparian Phase 3

Reduced Stressor Effects

- Species disturbance - marine
- Non-point source, non-persistent toxic chemicals in aquatic systems
- Non-point source, persistent toxic chemicals in aquatic systems
- Non-point source conventional water pollutants
- Altered peak flows from land cover change
- Altered low flows from land cover change
- Terrestrial and freshwater species disturbance in human dominated areas
- Terrestrial habitat fragmentation
- Terrestrial and freshwater species disturbance in natural landscapes
- Conversion of land cover for residential, commercial, and industrial use
- Displacement by non-natives

Strait Tier A Ecosystem Components

Strait Tier A Ecosystem Components	Puget Sound Vital Signs
Drift Cells	*Shoreline Armoring VS* 18 Goals
Salmonids	*Chinook VS* 12 Goals
Floodplains	*Floodplains VS* 40 Goals
Vegetated Land Cover 14 Goals	
Freshwater Quantity	*Summer Stream* 14 Goals
Estuaries and Embayment's	*Estuaries VS* 2 Goals

Strait Tier A HWB Component

Shellfish and Finfish Harvest — *Shellfish Beds VS* 4 Goals — Chinook VS (applies here also)

Strait Tier B Ecosystem Components

Freshwater Quality	*BIBI VS*
Marine Water Quality	*Toxics in Fish VS*

Strait Tier B HWB Components

Good Governance	*Good Governance VS*
Sense of Place and Sound Stewardship	*Sense of Place VS*
	Sound Stewardship VS

Note: Tier B Components and Vital Signs are included here to simply illustrate the cascading benefits to Components in lower tiers (i.e., Tier B, C, and D).

Other Results Chains working in concert with this Local Strategy to achieve results

- H - Enhance Ongoing Implementation of Local Shoreline and Land Use Management, Protectionn, and Incentive Programs and Plans
- I - Implement Climate Change Adaption and Mitigation Strategies for the North Olympic Peninsula
- J - Implement Local Stormwater Management and Pollutant Source Control Programs using a Watershed Management Approach
- M - Enhance Local Communication, Education, Behavior Change and Public Involvement Programs
- G - Implement Water Resource Management Programs and Rules
- L - Enhance Support for Oil Spill Prevention, Preparedness, and Response
- C - Floodplain Conservation and Restoration
- A - Drift Cell and Shoreline Conservation and Restoration
- B - Estuary Conservation and Restoration (Rivers, Streams, Pocket Estuaries)

CHINOOK IMPLEMENTATION STRATEGY: Improve Regional Technical Support

CHINOOK IMPLEMENTATION STRATEGY: Integrate Salmon Recovery and Resource Industry Viability

CHINOOK IMPLEMENTATION STRATEGY: Regional H Integration