

2019 Legislative Session
Member Requested Local Community Project Information Form
Request must be submitted by March 1, 2019.

Important Notes:

This is not a formal grant program. This form provides information for House members to request a separate appropriation in the capital budget for this project. Funding any project is at the discretion of the Legislature.

Funds are available on a reimbursement basis only and cannot be advanced.

Projects may be subject to state prevailing wage law (Chapter 39.12 RCW). Requesting organization are encouraged to consult the Industrial Statistician (David Soma: 360-902-5330 or somd235@lni.wa.gov) at the Washington State Department of Labor Industries to determine whether prevailing wages must be paid.

High-performance building requirements (Chapter 39.35D RCW) and Executive Order 13-03 regarding life cycle and operating costs in public works projects may also apply.

Project Name: Lower Satsop River Restoration and Protection Project

Legislative Sponsor(s): Representative Brian Blake Funding Requested: \$ 1,442,000

Do not directly enter the **Funding Requested** amount. Instead, enter the relevant amounts under "Requested Dollar Amount" on page 2. Then **right click the highlighted number** above and select **update field**.

Where is the project physically located?

Address of Project Site: Satsop River, River Mile 0.0 to River Mile 3.0

District: 24 City: Satsop County: Grays Harbor

Latitude: 46.989577 Longitude: -123.486958 Use <http://www.mapcoordinates.net/en> to determine coordinates of the site.

Project Contact

Name(s): Robert Wilson

Title: County Engineer

Organization: Grays Harbor County

Organization Website: www.co.grays-harbor.wa.us

Phone: 360-964-1663

E-mail: rwilson@co.grays-harbor.wa.us

Mailing Address: 100 W. Broadway, Montesano, WA 98563

NOTE: This form is prepared for the use of the Capital Budget Chair, Representative Tharinger. He may elect to submit this form for filing in the Capital Budget Committee records. In addition, if the proposed request is funded in the enacted capital budget bill, the form or information from the form may be filed with the state agency that distributes funding for the project. If so filed, this form or new record will become a legislative record subject to public disclosure and will be archived consistent with Chapter 40.14 RCW.

Organization Information

Yes/No

Is the requesting organization registered with the state as a non-profit organization?

No

Is there a current or pending 501(c)(3) IRS registration?

No

If answered no to either of the above, is applicant a local government?

Yes

NOTE: This form is prepared for the use of the Capital Budget Chair, Representative Tharinger. He may elect to submit this form for filing in the Capital Budget Committee records. In addition, if the proposed request is funded in the enacted capital budget bill, the form or information from the form may be filed with the state agency that distributes funding for the project. If so filed, this form or new record will become a legislative record subject to public disclosure and will be archived consistent with Chapter 40.14 RCW.

Project Information:

(1) As concisely as possible, describe the entire project **and** the scope of the project for which the funds are requested:

1. The Lower Satsop River is a dynamic river system where river bank erosion, channel migration, and regular flooding are seriously impacting property, farmland, fish habitat, and essential public infrastructure.
2. After years of studies, “on-again/off-again” projects, and mounting losses (impacts) from the river, community members and local leaders are frustrated and extremely fearful this flood season may be their last.
3. Over the past nine months, Grays Harbor County has lead a locally-driven and state agency supported emergency planning process to develop a community-driven Lower Satsop Investment Plan (February 2019). The plan acknowledges the crisis of the Lower Satsop, namely threats to:
 - a. Farmland – Steady westward migration of river (60 ft/year average) continues to erode and wash away irreplaceable, high-value farmland also valuable for bird migration/overwintering, bird hunting/watching, aquifer recharge, open space.
 - b. Port of Grays Harbor Industrial Water Well – Steady eastward migration of the river (30 to 35 ft/year average) continues to threaten the Port’s primary potable water supply (i.e., protective rock armoring is being compromised and already failing) for the Satsop Industrial Park which employs 400+ full-time, regionally significant jobs.
 - c. Keys Road -- Steady eastward migration of river (30 to 35 ft/year average) continues to threaten County’s heavily travelled Keys Road which is main route to and from Satsop Industrial Park.
 - d. Monte-Elma Road Bridge – Erosion and regular scour issues continue to threaten the bridge and footings requiring corrective actions.
 - e. Fish Habitat -- Loss of critical salmon habitat in the Satsop and Chehalis rivers due to high rates of sedimentation and mobility of stream bed gravels as well loss of riparian features.
4. The plan lays out a thoughtful, multi-phased sequence of near-term, medium-term, and longer-term investments to protect (farmland, property, infrastructure), restore (fish habitat, natural river flow and functions) and resolve (past river management mistakes).
5. A November 27, 2018 avulsion of the Lower Satsop River exacerbated, intensified, and galvanized the need for immediate investment to protect, restore, and resolve. 538K cu/yards (53,833 dump trucks) of farm soil and riparian habitat were immediately lost with the avulsion.
6. On February 7, 2019 the Chehalis Basin Board approved reallocation of \$160,000 in unspent Chehalis Basin farm pad funds for Phase I reach-scale design, engineering, and permitting activities (Lower Satsop).

Read more here -- https://www.ezview.wa.gov/site/alias_1973/37259/lower-satsop-planning-process.aspx.

NOTE: This form is prepared for the use of the Capital Budget Chair, Representative Tharinger. He may elect to submit this form for filing in the Capital Budget Committee records. In addition, if the proposed request is funded in the enacted capital budget bill, the form or information from the form may be filed with the state agency that distributes funding for the project. If so filed, this form or new record will become a legislative record subject to public disclosure and will be archived consistent with Chapter 40.14 RCW.

(2) If the entire project will not be completed after the requested state funding and matching funds are used, describe:

(a) what phase of the project will be completed with the portion funded by this request and how it will benefit the public; and

1. The portion of the project to be completed with this funding request is:
 - a. Phase IB -- Final Design/Engineering/Permitting (July 2019).
 - b. Phase IC -- Construction (July/Aug/Sept/October 2019)

2. Benefits to the public from this investment include:
 - a. Farmland – Stopping further loss of prime agricultural farmland and maintaining a vital agricultural economy.
 - b. Port of Grays Harbor Industrial Water Well – Reducing immediate erosion pressure on the Port’s primary potable water supply for the regionally significant Satsop Industrial Park.
 - c. Keys Road and Monte-Elma Road bridge – Reducing immediate erosion pressures on the heavily travelled Keys Road and Monte-Elma Road bridge and forestalling the need for future costly emergency repairs.
 - d. Fish Habitat – Restoring critical salmon habitat with fish-friendly habitat features lost as a result of past river management mistakes.

(b) the phases and schedule for completion of the project.

- The phases and schedule for the project are as follows:
1. Immediate Investment (now through October 2019):
 - a. Phase IA – Preliminary Design (March/April/May/June 2019). [This Is Already Funded.]
 - b. Phase IB – Final Design/Engineering/Permitting (July 2019). [This Is to Be Funded Through This Request.]
 - c. Phase IC – Construction (July/Aug/Sept/October 2019). [This Is to Be Funded Through This Request.]

 2. Near-Term Investment (2019-2020):
 - a. Phase IIA,B,C – Design, Engineering, Construction. [This Is Not Funded.]

 3. Medium-Term Investment (2021-2025):
 - a. Phase IIIA, B, C -- Design, Engineering, Construction. [This Is Not Funded.]

 4. Long-Term Investment (2026-2045):
 - a. Phase IVA,B,C -- Design, Engineering, Construction. [This Is Not Funded.]

NOTE: This form is prepared for the use of the Capital Budget Chair, Representative Tharinger. He may elect to submit this form for filing in the Capital Budget Committee records. In addition, if the proposed request is funded in the enacted capital budget bill, the form or information from the form may be filed with the state agency that distributes funding for the project. If so filed, this form or new record will become a legislative record subject to public disclosure and will be archived consistent with Chapter 40.14 RCW.

(3) Start and Completion Dates: July 1, 2019 to November 1, 2019

(4) Eligible Project Type or Phase (Check all that apply to this funding request and insert requested amount.

Enter whole numbers (no \$ sign) under Requested Dollar Amount.

To calculate the fee and Total, right click on the highlighted number and select update field.

	Requested Dollar Amount
<input type="checkbox"/> Land Acquisition	\$ [enter number]
<input type="checkbox"/> Demolition and Site Preparation	\$ [enter number]
<input checked="" type="checkbox"/> Design	\$ 150,000
<input checked="" type="checkbox"/> New Construction	\$ 1,250,000
<input type="checkbox"/> Renovation	\$ [enter number]
<input type="checkbox"/> Other (describe) <input type="text" value="Enter text"/>	\$ [enter number]

Total Funding Requested:

(right click highlighted number and select update field)

\$ 1,442,000

NOTE: **Total Funding** includes a mandatory **Commerce Administrative Fee** of 3% (up to \$50,000)

Attachments: (Please enclose any materials that further describe the project and its financing.)

Yes / No

(5) Is this a joint project?

Yes

If yes, has a joint operating agreement been signed?

No

If yes, list the partners for the project.

Port of Grays Harbor, Grays Harbor Conservation District, WDFW

(6) Is the site owned, optioned for purchase, or under a lease?

Owned

(7) Does the applicant understand and agree that any and all real property owned, optioned for purchase, or under a lease, that is acquired, constructed, or otherwise improved using state funds approved by the Legislature must be held and used for the purposes stated in this application for at least ten years from the date of the final payment made for the project?

Yes

(8) Has the applicant initiated a capital fundraising campaign?

Yes

If yes, what percent of matching funds have been secured?

(\$140,000) 10%

(9) What other sources of matching funds are being pursued? Please list all sources and amounts.

Matching funding is being pursued from such diverse funding sources as:

1. Chehalis Basin Strategy ASRP funds (TBD).
2. Rural County Economic Development .09 Funds (~\$95K).
3. Grays Harbor County Road Fund (~\$15K).
4. Local Community Contributions (Port of Grays Harbor/Satsop Business Park) (~\$15K).
5. WA DNR Aquatic Habitat Restoration Funding (~\$15K).

NOTE: This form is prepared for the use of the Capital Budget Chair, Representative Tharinger. He may elect to submit this form for filing in the Capital Budget Committee records. In addition, if the proposed request is funded in the enacted capital budget bill, the form or information from the form may be filed with the state agency that distributes funding for the project. If so filed, this form or new record will become a legislative record subject to public disclosure and will be archived consistent with Chapter 40.14 RCW.

6. WSDOT/FHWA BRAC for Scour Issues (TBD).

(10) Please list all past and current efforts to obtain state funding for this project, **including year, state agency, specific fund source, and whether or not funding was obtained.**

1. Funding provided for the Lower Satsop River prior to, but still related to, the Lower Satsop River Restoration and Protection Project is detailed at page 9 and 11 in the attached.
2. Phase IA is funded through the Office of Chehalis Basin and reallocation of unspent farm pad funds.

(11) What source(s) of non-state funds exist for completion of the project? Once completed, how will the project fund its ongoing maintenance and operation?

Phase I is intended to deliver self-sustaining, maintenance free results. Should a maintenance need arise in future needs it is anticipated that funds would be sought through such funding sources as the Chehalis Basin ASRP process.

(12) Public benefits of the project:

1. The Lower Satsop Restoration and Protection Project will:
 - a. Protect Keys Road from continuing eastward migration of the Satsop River.
 - b. Protect the Monte-Elma Road bridge over the Satsop River from continuing erosion and scour.
 - c. Protect valuable agriculture farm land from westward erosion.
 - d. Restore critical salmon habitat.
 - e. Restore natural river flow and functions, including flood storage.
 - f. Remediate past river management mistakes, including unbalanced eastside of the river hardening and revetments.
2. Implementing reach-scale river restoration by employing engineered log jams and other instream structures, removing historic rock revetments and bank armoring, and enhancing floodplain connectivity, will ensure continuation of the economically-vital Satsop Business Park, regionally-significant agricultural community, and restoration of critical salmon habitat.
3. Keys Road is the main access road to the Satsop Business Park which employs over 400 people.

NOTE: This form is prepared for the use of the Capital Budget Chair, Representative Tharinger. He may elect to submit this form for filing in the Capital Budget Committee records. In addition, if the proposed request is funded in the enacted capital budget bill, the form or information from the form may be filed with the state agency that distributes funding for the project. If so filed, this form or new record will become a legislative record subject to public disclosure and will be archived consistent with Chapter 40.14 RCW.

(13) Will this project have a revenue-generating component that would have community and state economic benefit? Please describe and quantify.

The project is a revenue-generating project from the standpoint of:

1. It serves to protect and preserve valuable agricultural soils and by so doing provide agricultural jobs and revenue.
2. The construction activities planned to occur this Summer and Fall (July/Aug/Sept/Oct 2019) will generate payroll and revenue.
3. In both cases community income and state and local revenue will be preserved, if not increase.

(14) Please quantify any short- and long-term job creation that will result from this project.

1. Environmental and habitat restoration generates jobs. For every \$1 million spent on forest and watershed restoration 15.7 to 23.8 jobs are generated and \$2.2 to \$2.5 million in economic activity (source = <https://stateofsalmon.wa.gov/exec-summary/>).
2. For the Lower Satsop River Restoration and Protection Project, Phase IB and IC is anticipated to generate roughly 10 full-time jobs.

(15) Are there any community concerns about this project (i.e. conflict with land use, neighborhood concerns, other) that would prevent it from moving forward?

1. The Community at-large is supportive of the Lower Satsop planning process.
2. The Community at-large also strongly supports construction activities this Summer and Fall (July/Aug/Sept/Oct 2019) in advance of the 2019/20 flood season.

For Office Use Only

Legislative Sponsor
(Signature)



Date March 1, 2019

NOTE: This form is prepared for the use of the Capital Budget Chair, Representative Tharinger. He may elect to submit this form for filing in the Capital Budget Committee records. In addition, if the proposed request is funded in the enacted capital budget bill, the form or information from the form may be filed with the state agency that distributes funding for the project. If so filed, this form or new record will become a legislative record subject to public disclosure and will be archived consistent with Chapter 40.14 RCW.

Tips:

Successful past projects generally are ones in which the requested state funds: (1) are used for a facility providing an important public benefit; (2) are a small portion of the total project funding (25% or less); (3) result in a completed project or phase usable by the public for the intended purpose when the state funds are expended; and (4) are for a project that is ready for construction or renovation and will be completed within the biennium.

NOTE: This form is prepared for the use of the Capital Budget Chair, Representative Tharinger. He may elect to submit this form for filing in the Capital Budget Committee records. In addition, if the proposed request is funded in the enacted capital budget bill, the form or information from the form may be filed with the state agency that distributes funding for the project. If so filed, this form or new record will become a legislative record subject to public disclosure and will be archived consistent with Chapter 40.14 RCW.

The background of the slide is a photograph of a rural landscape. In the foreground, there is a grassy field with a fence line. In the middle ground, a large barn with a red roof and a tall, white, cylindrical silo are visible. The background is dominated by a wide river, likely the Satsop River, with a dense forest of trees on the far bank. The sky is overcast and hazy. The text is overlaid on this image.

ATTACHMENT LOWER SATSOP RIVER

Lower Satsop River Restoration and Protection Project
Phase IA, IB, and IC

Originally Presented to Chehalis Basin Board (2-07-2019)

Updated (2-28-2019)

Problem

- Lower Satsop River is a dynamic system where river bank erosion, channel migration, and flooding are seriously impacting adjacent properties.
- Projects have been proposed and evaluated in recent years without any real success.
- Inaction and frustration characterize the feeling of many community members.

1938 vs. 2018



2015

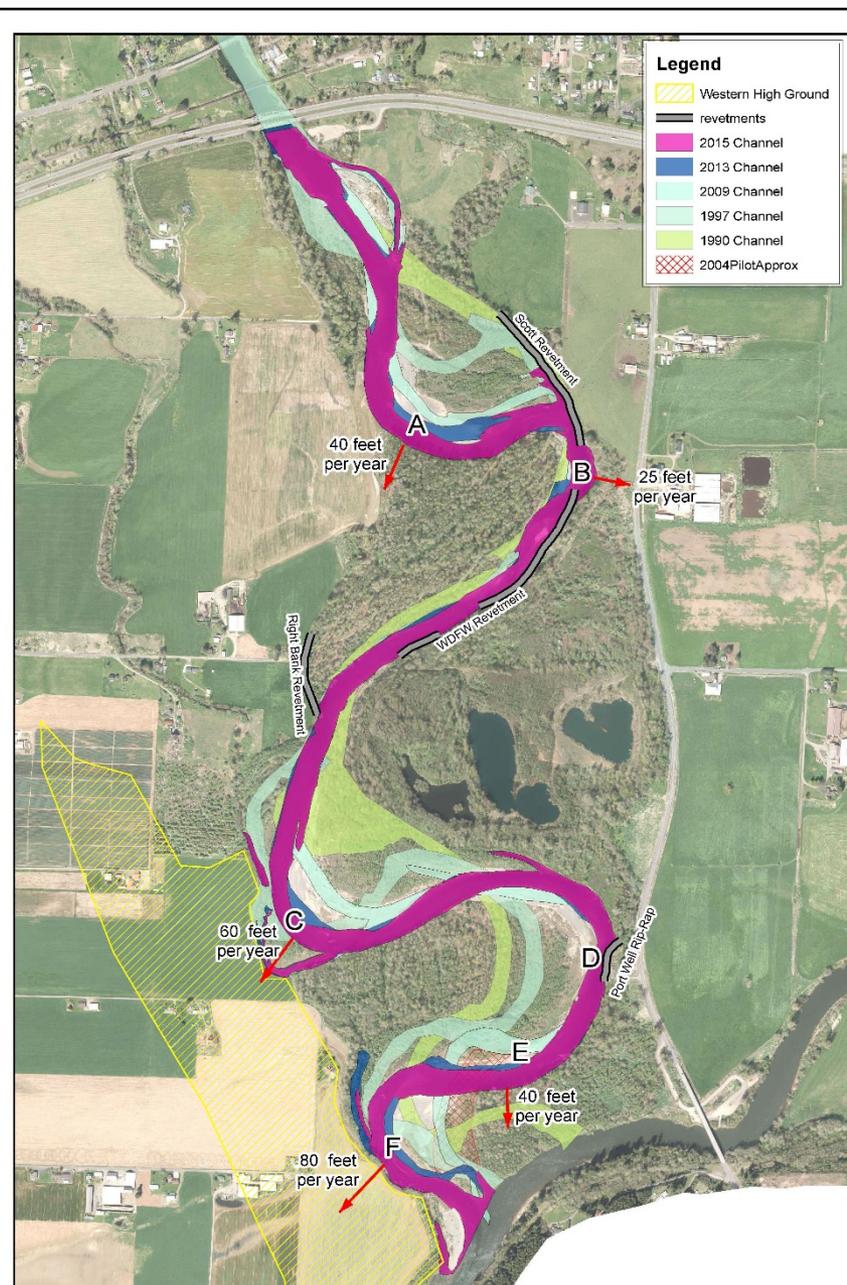


Figure 7
Recent Erosion Areas

Scale: 1:5000
MCM's Washington
South, R

0 500 1,000 Feet

07 Feb 2017

WATERSHED
SCIENCE & ENVIRONMENT

2015

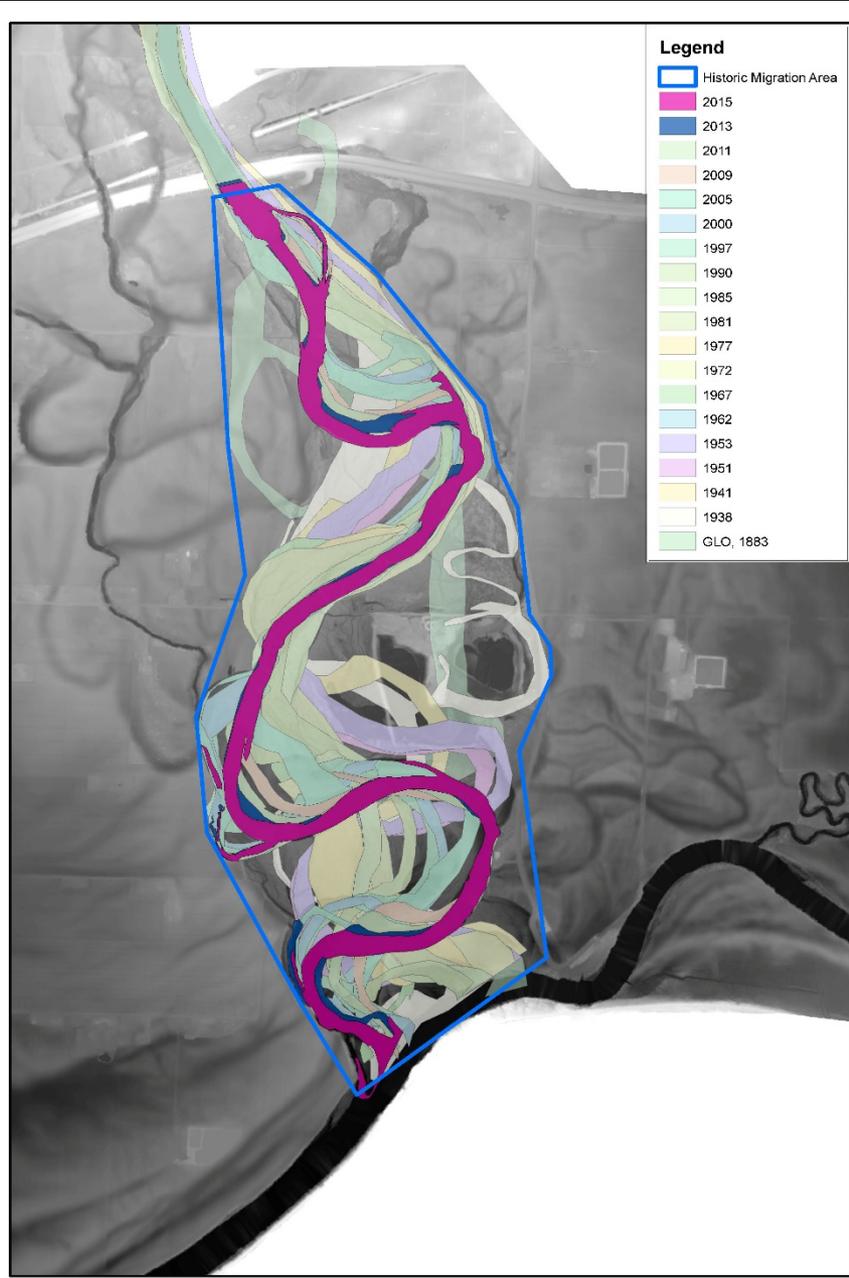


Figure 5
Historic Channel Migration

0 500 1,500 Feet

Scale: 1:118,000
NAD83 WGS 1984
South

03 Feb 2017
WATERSHED
COURTESY: WASHINGTON STATE DEPARTMENT OF ECOLOGY

2018 (Nov 27th)



Farmland – Threats/Consequences

Satsop Farm Land

- Very high quality soil
- 11/27/2018 avulsion:
 - Farm soil lost = 239K cu/yards (23,917 dump trucks)
 - Farm and riparian soil lost = 538K cu/yards (53,833 dump trucks)
- Westward migration of river continues to erode and wash away irreplaceable farmland
- Beyond direct crop value, farm soils are also valuable for bird migration/overwintering, bird hunting/watching, aquifer recharge, open space.



Essential Infrastructure – Threats/Consequences

Port of Grays Harbor Industrial Water Well

- Located upstream of confluence of Satsop and Chehalis rivers.
- Well threatened by erosion, i.e., protective rock armoring now beginning to fail.
- Satsop Industrial park is substantial employment center.
 - 400+ people directly employed by businesses
 - Draws from Montesano, Aberdeen, Hoquiam



Keys Road

- Keys Road is the main entrance to the Satsop Business Park that supports over 400 jobs.
- Keys Road is critical infrastructure for tenants at the Satsop Business Park and preferred route from Montesano, Aberdeen and Hoquiam.
- 20% of average daily traffic is truck traffic.
- Keys Road bridge remaining useful life is 30-40 years (making near-term replacement impractical).

Funding (2012 to 2018)

WHAT	WHEN	FLOOD	HABITAT	FLOOD & HABITAT
Flood Authority funding to GHC for WSE riprap removal study	2012-13	\$50,000 (a)		
Flood Authority funding to WDFW to design restoration project	2014-19		\$450,000 (a)	
CBS funding to WDFW to design restoration project	2014-19		\$235,860 (b)	
Ecology funding to WDFW to construct relic channel opening project	2016-18	\$50,000 (c) (\$50,000) (c)		
WCRI funding to WDFW for restoration project (Phase I Construction will remove spoils, fill ponds, conduct amphibian/fish surveys, revegetate site)	2018-20		\$1,030,000 (d)	
Flood Authority to GHC to develop Satsop Investment Plan	2018-19			\$40,000 (e)
Flood Authority to GHCD for local landowner engagement	2018-19			\$22,500 (f)
Flood Authority to GHC to develop Satsop Investment Plan	2018-19			\$15,000 (e)
TOTAL →		\$50,000	\$1,715,860	\$77,500

(a) Staff [memo](#)

(b) RCO [15-1459](#)

(c) RCO [16-2182](#) (permitting challenges precluded completion of project)

(d) RCO [18-1195](#) (phase II construction will remove soils, remove dikes around ponds for full floodplain connectivity, remove some riprap and will be funded by 2019-21 WCRI grant of \$1,429,159 -- RCO [18-2142](#))

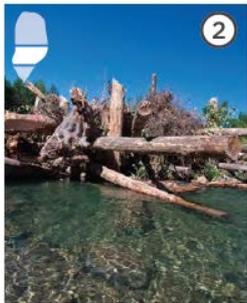
(e) RCO [18-2118](#)

(f) RCO [18-2140](#)

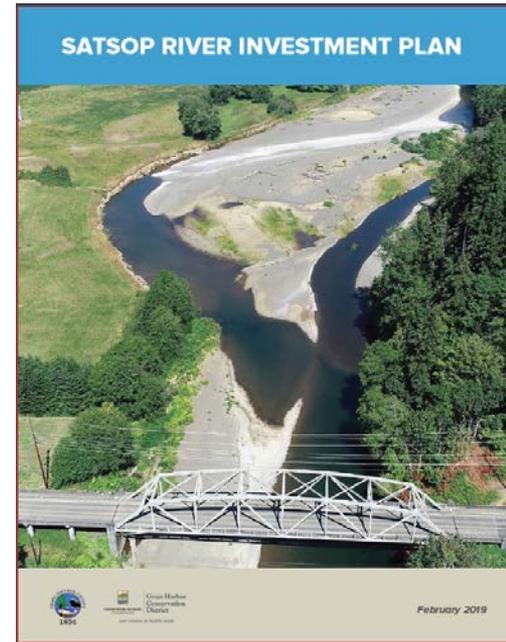
Satsop Investment Plan

- GHC-led multi-entity advisory/community planning process (4/2018 to present).
https://www.ezview.wa.gov/site/alias_1973/37259/lower-satsop-planning-process.aspx

- Initial tools/approaches: Reach-scale design, ELJs, Log-jacks, Relief channels.



- 11-27-2018 avulsion exacerbated/intensified/galvanized need for immediate investment now (ASAP).
 - Construct focused emergency relief channel (upper segment)
 - Develop reach-scale design, engineering, permitting.
 - Develop revetment removal/breaching design, engineering, permitting.



Immediate Investment Needs

INVESTMENT (Immediate)	ACTION	COST	STATUS
Phase IA -- Develop Comprehensive Reach-scale Preliminary Design	March/April/May/June 2019	\$175K	Funded By Chehalis Basin Board
Phase IB – Complete Final Design/Engineering/Permitting	July 2019	\$150K	To Be Funded By This Request
Phase IC -- Construction	July/Aug/Sept/October 2019	\$1.25M	To Be Funded By This Request

Questions / Discussion

More Information:

- EZview Lower Satsop Investment Planning website --
https://www.ezview.wa.gov/site/alias_1973/37259/lower-satsop-planning-process.aspx
- Rob Wilson, County Engineer
Grays Harbor County
360-964-1663
rwilson@co.grays-harbor.wa.us