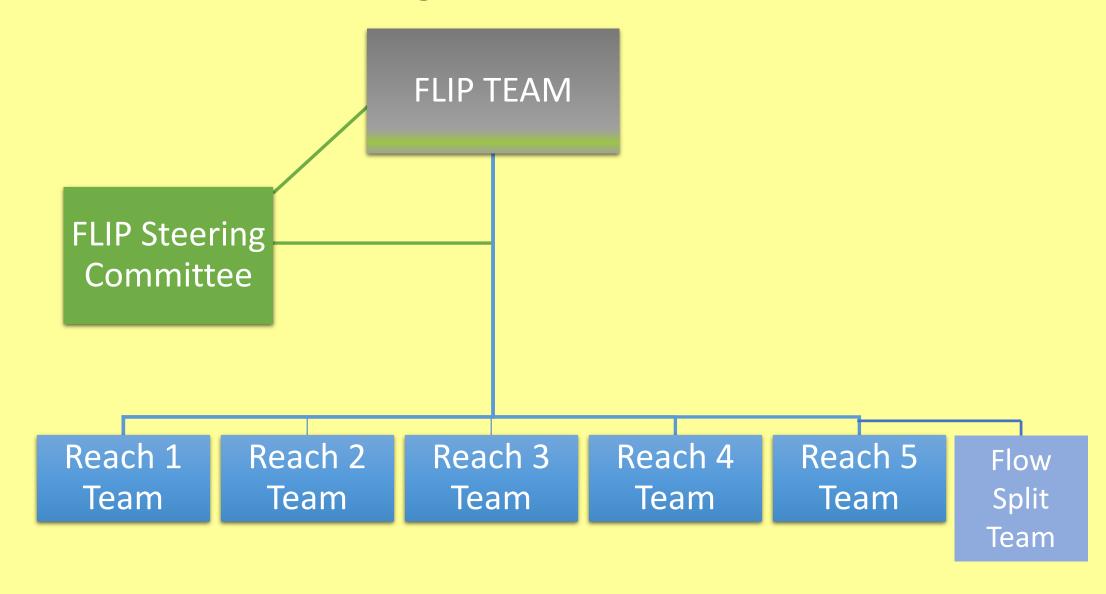
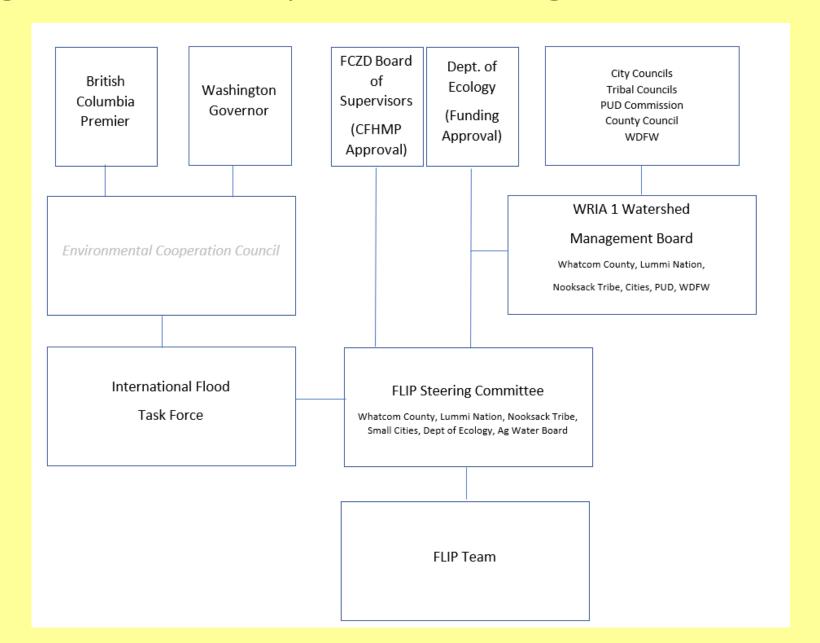


FLIP Planning Process Structure



Integrated Floodplain Management Structure



FLIP Planning Process Updated Comprehensive Flood Hazard Management Plan (Updated CFHMP – In Progress)



1999 CFHMP Recommendation: maintain flow split at Everson

Everson Flow Split Charrette April 25-26, 2022

- ½ Day Field Tour and Full Day Workshop
- 43 Attendees
 - Ag representatives Diking Districts, Subzones, WIDs, WFF
 - City representatives Everson, Sumas, Nooksack, Lynden, Ferndale
 - Tribal representatives Nooksack Tribe and Lummi Nation
 - County representatives
 - State and federal agency representatives
 - Pipeline representative
 - FLIP Steering Committee

| AGENDA | | | | | | | |
|--------------------------------|---------------|--|--|--|--|--|--|
| WHO WE ARE | 8:30 – 9:20 | Opening remarks, overview of the day (Mark Ewbank) A welcome message (Whatcom County Executive Satpal Singh Sidhu) Perspectives of the Nooksack Indian Tribe (Trevor Delgado) Introductions by all attending FLIP purpose and outcomes (Paula Harris) Roles and resources (Mark) | | | | | |
| WHAT WE VALUE | 9:20 – 9:30 | Shared values and givens (Steve Moddemeyer) Why shared values? Individual values exercise | | | | | |
| WHAT WE FACE | 9:30 – 10:35 | Technical presentations Nooksack River geomorphology (Karin Boyd) Flooding characteristics past and present (Todd Bennett) Fish use and habitat conditions (Ned Currence) Potential flood reduction solutions previously defined (Paula Harris) | | | | | |
| | 10:35 – 10:50 | Break | | | | | |
| WHAT MIGHT WORK | 10:50 - 11:20 | Ideas generation (Steve) | | | | | |
| HOW WE WILL JUDGE OUR WORK | 11:20 - 11:30 | Values as success criteria This group's values and commonalities in them | | | | | |
| HOW WE WILL WORK TOGETHER | 11:30 – 12:00 | Break out into small table groups Select ideas to develop Familiarize with others in your group and begin coordinating the work | | | | | |
| | 12:00 - 1:00 | Lunch | | | | | |
| TURNING IDEAS INTO CONCEPTS | 1:00 - 2:00 | Develop concepts with break out groups | | | | | |
| CONCEPTS FURTHER REFINED | 2:00 – 2:30 | Strengthen concepts with break out groups | | | | | |
| SWEET IDEAS AND SNACKS | 2:30 – 2:45 | Break, while browsing other groups' work to consider additional ideas | | | | | |
| FINAL CONCEPTS | 2:45 - 3:30 | Complete concepts with break out groups | | | | | |
| PRESENT CONCEPTS | 3:30 - 4:35 | Each group presents concept(s) they developed | | | | | |
| CLOSING | 4:35 – 4:50 | Closing thoughts and summary of next steps | | | | | |

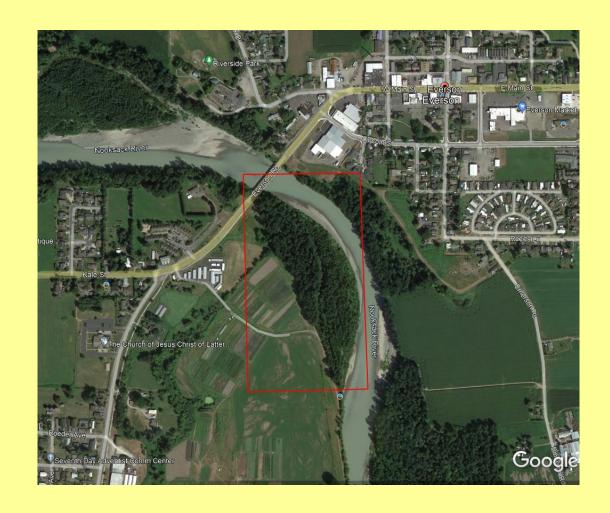
Solution Concepts from Tables for Next Steps

- Social Solutions for Flooding
- Maximize Floodplain Storage
- New Flood Infrastructure
- Modify Flow Split
 - Raise Emerson Rd, enlarge Everson dry bridge, and widen mainstem corridor width
- Rezoning
 - Shift communities out of harms way
- Habitat restoration
 - Develop/reconnect side channels, setback levees, in-stream wood structures to store sediment, restore habitat
- Overflow Corridors
 - Evaluate options to meter flow



Identified an Early Action – Everson Side Channel Pilot Project

- Field meeting at Twin View Levee outcome of charrette
- Pilot project: goal is to take a series of steps to reduce flood impacts
- First step implementable this summer
- Learn and inform longer-term solutions



Next Steps

- Define 'buckets of actions' from the table solution concepts
- Develop technical understanding of what is necessary to advance solution concepts
- Reconvene Flow Split Team (charrette group)
- Remaining steps yet to be determined

Reach 2 Example – Buckets of Actions

| Maintain/Modify | Improve | Collaborate | Maintain or Reduce | Create Program |
|---|--|---|--|---|
| Maintain or Modify? existing ag levees with overtopping segments and incorporate mainstem habitat improvements • Largely retain existing levee alignment (?) • Consider localized levee setbacks (?) • Incorporate riparian, bank and instream habitat improvements | Significantly improve floodplain and tributaries for salmon | Work with farmers to identify measures and project components to improve agricultural viability | Maintain or reduce flood risk in the Reach 2 floodplain area, focusing in Ferndale | Create incentive program through drainage-based management planning to develop pilot projects to integrate issues like water rights, habitat improvement, ag viability and flooding |

