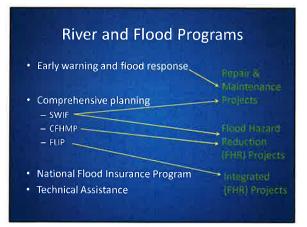


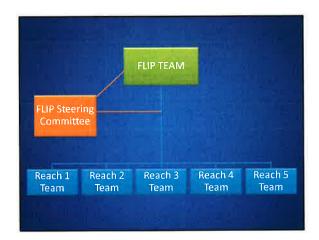
FILE UNDER AB 2019 539-1 10/2	2/2019
DATE RECEIVED: 10/22/2019 SUBMITTED BY: Payla Harris	
Public Works	
COUNCIL MEETING  Northwal Resources committee	
EXHIBIT:	-
	-
:	-



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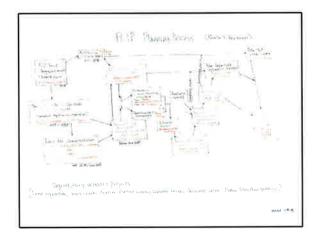




## Slide 6

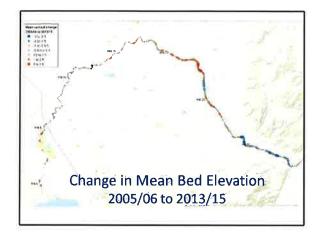
**DS1** When did the FLIP start? Deborah Stewart, 10/11/2019

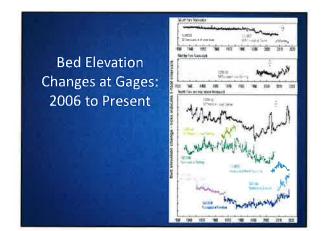


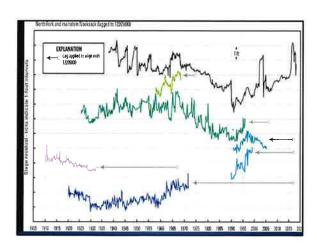


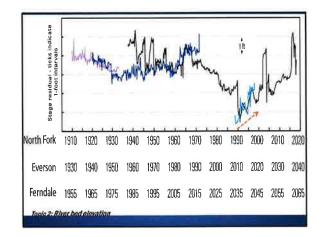
## Technical Studies

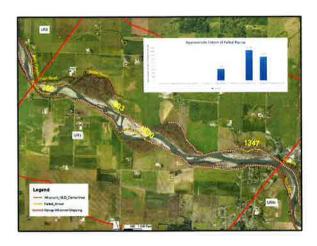
- Hydraulic modeling
- USGS sediment study
- Geomorphic assessment
- Habitat assessment
- Flood damage/Benefit-cost analysis
- GIS mapping and analysis
- Planning support

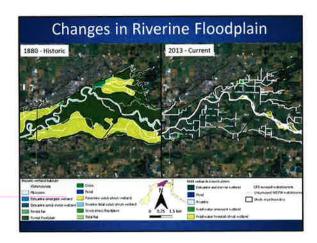


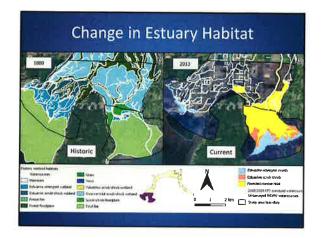


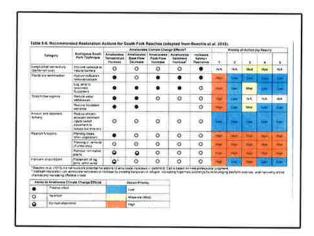


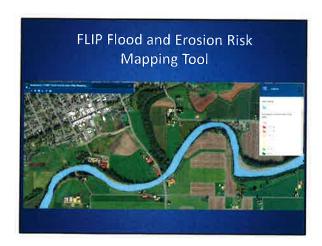


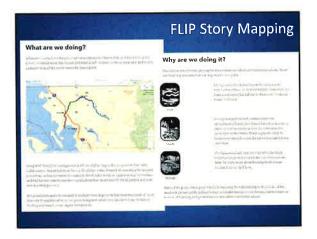












Date	Meeting Type	Total Attendees	# of Community Members	% Community Members
Apr 12, 2018	FLIP Team	54	13	24%
Mar 27, 2018	Technical FLIP	42	9	21%
Dec 13, 2017	Fish Chat	12	7	58%
Nov 2, 2017	FLIP Team	51	13	25%
Jun 28, 2017	FLIP Team	37	7	19%
Most of		inity men Iplain farr	nbers attend ners	ding are

FLIP Funding Obtained (2017 – 2021) How Much and Where From?				
FUP Project Component	Grant Funding Type	Grant \$ Amount	Estimated Total \$ Amount	% Grant Funding
Geomorphic Assessment	NOAA via TNC	\$100,000	\$150,000	67%
Habitat Assessment	RCO SRFB	\$237,000	\$247,000	96%
FLIP Planning Process	EPA NEP	\$425,000	\$593,000	72%
Benefit-Cost Analysis	EPA NEP USACE Silver Jackets	\$150,000	\$150,000	100%
USGS Reach 1 Study	EPA NEP	\$250,000	\$250,000	100%
	Total Planning	\$1,162,000	\$1,390,000	84%
Project implementation (2019-2021)	Floodplains by Design	\$4,832,000	\$6,040,000	80%

## Amendment Scope of Work

- Support to FLIP Steering Committee (2 years)
- Technical products as requested
  - Flood and erosion risk mapping
  - Story maps
- Flood damage analysis assistance
- Technical support at FLIP meeting by technical leads (geomorphology, habitat and hydraulics)
- Draft documentation of plan





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