

Lower Nooksack River Floodplain Integrated Planning (FLIP) Geomorphic Technical Meeting

Date: March 27, 2018

Time: 9:00 am to 3:00 pm

Location: Lynden City Hall Annex, 205 4th Street, Lynden

MEETING CONTEXT

This meeting is one of several technical meetings that will inform Lower Nooksack River Floodplain Integrated Planning. Specifically, this meeting will present findings of geomorphic studies of the Lower Nooksack River to support the characterization of needs for agriculture, flood risk reduction, and salmon habitat for the purpose of establishing reach-specific goals and strategies. See steps 3 and 4 on the FLIP planning process flow diagram (attached).

MEETING PURPOSE

The purpose of this meeting is:

- To provide a forum for the scientific teams performing the technical work for the FLIP planning process to have an in-depth information exchange of their findings
- To provide an opportunity for the more technically-inclined members of the FLIP Team to gain a more in-depth understanding of river processes and how they relate to flood risk and habitat formation
- To give the FLIP Steering Committee members a preview of the geomorphic study findings so they can provide feedback to the presenters on what to focus on for the larger audience at the April 12 FLIP Team meeting
- To identify key questions that should be explored to support future FLIP Team discussions

AGENDA		
1.	9:00 – 9:15	Opening <ul style="list-style-type: none"> • Welcome, agenda review, introductions, meeting norms
2a.	9:15 – 10:30	Lower Nooksack River Geomorphic Assessment <ul style="list-style-type: none"> • Geologic and Geomorphic History – Paul Pittman, Element Solutions • Baseline Geomorphic Trends - Karin Boyd, Applied Geomorphology, Inc
	10:30 – 10:40	Break
2b.	10:40 – 11:45	Lower Nooksack River Geomorphic Assessment (continued) <ul style="list-style-type: none"> • Geomorphology and Habitat – Paul Pittman, Element Solutions • Hydraulics, Bed and Bank Material, Sediment Transport and Regime Analysis – Andrew Nelson, NHC
	11:45 – 12:30	Lunch (provided)
3.	12:30 – 2:00	Nooksack River Fluvial Sediment Investigation – Chris Konrad and Scott Anderson, USGS <ul style="list-style-type: none"> • Changes in sediment storage from 2006 to 2015 • Long-term trends in bed elevation at USGS streamflow gages • Suspended sediment transport and loads • Trends in precipitation, streamflow and stage in relation to flooding and drainage issues • Recent sediment dynamics in the lower main-stem (Reach 1)
4.	2:00 – 3:00	Discussion of Next Steps