



March 21, 2024

TO: Flood Authority Members

FROM: Scott Boettcher, Staff

SUBJECT: Skookumchuck Gage and Lower Basin Gages

Following is for today's Flood Authority meeting. Questions: scottb@sbgh-partners.com; 360/480-6600.

A. UPDATE -- Skookumchuck Gage Installation

RE: **Skookumchuck Reservoir Equipment**

Jeff Budnick <jbudnick@westconsultants.com>
To: Scott Boettcher
Cc: David Curtis; Cheryl Vincent

Start your reply all with: [Great, thanks for the update.](#) [Ok, thanks for the update.](#) [Sounds good. Keep me posted.](#) [Feedback](#)

Yes. I got a shipment notice from the equipment vendor yesterday. It looks like the **equipment will arrive much earlier than expected (by end of next week).**

We still need to test it out and schedule the installation, but it looks like we might be able to get it **installed by the middle to end of April** now.

Jeffery A. Budnick

B. ACTION -- Skookumchuck Gage Funding

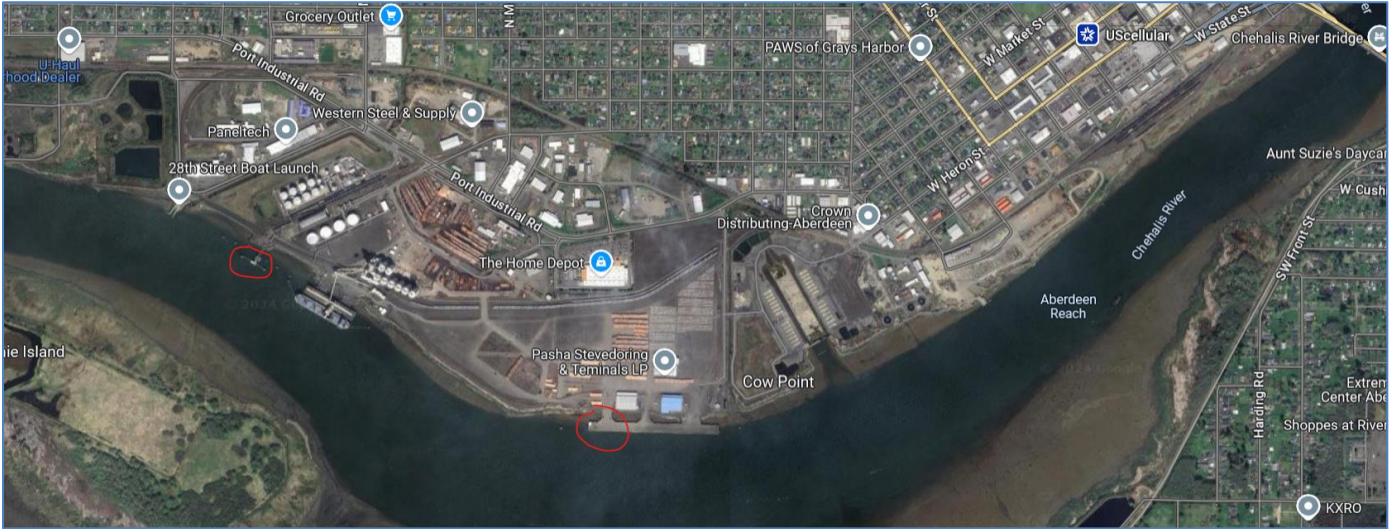
1. At 11-16-2023 Flood Authority meeting, members authorized purchase, installation, calibration of new Skookumchuck gage [[here](#) and [here](#)].
2. At that time, cost was estimated at \$37K to \$42K. Today, final cost is \$50K [[here](#)]. Executive committee approved 2-23-2024 [[here](#)].
3. **ACTION --> Does full Flood Authority concur with cost increase to \$50K and authorize staff to prepare necessary funding amendments (i.e., RCO and Lewis County; Lewis County and WEST)?**

C. UPDATE -- Lower Basin Gages

1. At 3-14-2023 Flood Authority meeting, staff updated members on National Weather Service activities to improve river flood forecasting accuracy for Skookumchuck, lower Chehalis (below Porter). [[here](#)]
2. With installation of new Skookumchuck gage, NWS will have completed its task for accurate and timely river forecasts. [NWS model is complete; just waiting on new Skookumchuck gage data.]
3. For its task to improve lower Chehalis forecasts, NWS has need for additional rain and water elevation gages. See attached map showing possible additional gage locations WEST is scoping/costing out.
4. Staff will report back at next Flood Authority meeting on WEST's findings and suggested next steps.

Attachment
NWS Possible Additional Gage Locations

One NEW Water-Level Gage – Possible Locations (Port of Grays Harbor)



Three NEW Rain Gages – Possible Locations

