



May 19, 2021

TO: Flood Authority Members
FROM: Scott Boettcher, Staff
SUBJECT: Flood Warning System Relocations

The following Flood Warning System gage and webcam relocations will be discussed at Thursday's Flood Authority meeting. Please feel free to contact me with questions (360/480-6600, scottb@sbgh-partners.com).

Chehalis Basin Flood Warning System (www.chehalisriverflood.com)

- Gage Relocations** – 6 rain gages have been identified for relocation this summer (i.e., in late-June but by July 1, 2021) due to interfering excess tree growth. 5 of 6 gages have confirmed new locations. 1 gage (Newaukum) lacks a confirmed relocation site. 3 locations are under evaluation for Newaukum. New access agreements have been established with Mason County Fire District #13 and Green Diamond. Once Newaukum gage has a confirmed relocation site a new access agreement will be issued by Weyerhaeuser. See table 1.
- Webcam Relocation** – Due to vandalism, the Monte-Elma Bridge webcam over the Satsop river has been removed. A replacement site downstream at Chapman Farms has been determined to be a safe and suitable relocation site. Memo [here](#) outlines recommendation to the Flood Authority to fund relocation of this webcam to Chapman Farms.
- Also** -- Aberdeen Gage (Wishkah River). Technical staff at City of Aberdeen, WEST Consultants, and OneRain continue to work to bring this new gage into the Flood Warning System. Current issue is getting gage data to an Aberdeen FTP site where OneRain can pull the information down and publish to the Flood Warning System. Hopefully, this can occur in the next two months.

**Table 1
Rain Gage Relocation Summary**

Rain Gage	Location	Elevation	Latitude	Longitude	Property	Longevity	Notes
<u>BROOKLYN</u>	Current	1041	46.7280830	-123.5452500	Weyerhaeuser	n/a	n/a
	New	1600	46.6844440	-123.3616670	Weyerhaeuser	10-12 years	No trees visible. Higher elevation. Agreement pending.
<u>HAYWIRE</u>	Current	1792	47.3213083	-123.5955889	Green Diamond	n/a	n/a
	New	1212	47.3197640	-123.5803880	Green Diamond	10-12 years	A little lower elevation, but nearby. Agreement issued.
<u>ROCK</u>	Current	1416	46.5279720	-123.3990560	Weyerhaeuser	n/a	n/a
	New	350	47.1339420	-123.3109280	Mason County Fire District #13	Permanent	Lower elevation. Permanent placement. Agreement issued.
<u>SKOOKUMCHUCK</u>	Current	1784	46.7527560	-122.5459940	Weyerhaeuser	n/a	n/a
	New	2000	46.7530560	-122.6047780	Weyerhaeuser	10-12 years	Trees 1/2 to 1' tall. Agreement pending.
<u>CHEHALIS BLW THRASH</u>	Current	689	46.4785440	-123.2971670	Weyerhaeuser	n/a	n/a
	New	1300	46.4685710	-123.2805640	Weyerhaeuser	10-12 years	No trees visible. Agreement pending.
<u>NEWAUKUM</u>	Current	1594	46.6702580	-122.6126580	Weyerhaeuser	n/a	n/a
	1. NR3	2500	46.6464500	-122.5179190	Weyerhaeuser	10-12 years	Trees 1/2 to 1' tall. Location under evaluation.
	2. NR1	2200	46.6539910	-122.5552450	Weyerhaeuser	10-12 years	Location under evaluation.
	3. NR5	1800	46.6505130	-122.5625330	Weyerhaeuser	10-12 years	Location under evaluation.