

Bonnie to Dam proponent:

Comment on the Dam

Comments on Attachment 'F'

1) The changes in floodplain depths is inconsistent. On page 138 of the Fish section of Ecology publication 25-06-008 it says: Floodplain inundation will be reduced by less than one foot downstream of the confluence with the Black River. But on page 7 It says that hydraulic changes caused by the proposed action would be small in magnitude, on the order of 0.5 to 1.5 feet in reduction of water surface elevation during flood retention ('details available in the water discipline report'). Table N-21 on page 84 of the first Water Resources Report shows the modeled changes in water surface elevations in the Water Resources Report. At the Black (river mile 46.9) it says that during a major flood its 0.9 foot to 1.5 foot less water.

There are some restoration projects underway near the confluence of the Black and Chehalis that involve wetland or vernal pool creation. I believe the landowner has sent in comments.

2) So, in the water discipline report, the magnitude is further discussed:

In publication N or the first Water report (of 3), it says that the Black river enters the Chehalis between Grand Mound (RM 60) and Porter (RM 33). It seems like this should be corrected as I believe the Black river is not 33 miles wide when it enters.

3) Good on you for acknowledging that rain on snow events occur down to sea level (this is said on page

19 of the Water resources report entitled 'N'. It does snow at or near sea level and this probably matters for your various modeling purposes. Rain on snow event caused problems for landowners way up in Tumwater vicinity in January 2022.

4) if the Dam is up there in basalt area, that can degradeto saprolite. We see it here on the east side of Capital forest, where hard basalt has decomposed to a clay-type stuff that seems very unbuildable.

5) I've seen chinook benefit from cold water releases from dams in southern Oregon.

6) Flooding would be reduced if the various communities of Lewis County and Grays Harbor County did not encourage building in the floodways

7) Flooding could be reduced if the forests were allowed to grow older in the headwaters

8) Flooding could possibly be reduced in local areas if forest plans and stormwater manuals required off-site analysis

9) I found toads on gravel bars of the Chehalis. It would be fun to see them again as I paddle that river. I think that habitat forming processes include floods that move those bars a bit. Can you leave the habitat forming processes

Bonnie Blessing

