



Chehalis Basin Strategy FCZD Continued Planning for Avoidance Minimization and Mitigation January-March 2021

Chehalis River Basin Flood Control Zone District
January 7, 2021

January 2021 Flooding

- Minor Flooding in the Chehalis Basin in early January
- Grand Mound Peak – 29,200 cfs
- Drone Footage



AMM Jan – Mar 2021

- Mitigation Opportunities Report Supplements
 - Look for additional ecological lift
 - Species Specific Analysis
- Vegetation Management Plan
 - Finalize preliminary plan
 - Outreach to stakeholders
- Water Quality Analysis Modeling
 - Re-run model with VMP inputs



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- Slope Stabilization
 - Review of Shannon and Wilson Report
 - ID opportunities for AMM in the inundation area
- AMM @ Rainbow and Fisk Falls
 - Review of Operations for
 - Fish impacts
 - Cultural impacts
- Fish Passage - Construction
 - Pre-design work on construction FP
 - Stakeholdering

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- AMM Database
 - Compilation of AMM
 - Searchable Database
- Aquatic Species Benefits – Short Term
 - *Can implementation of short term measures to increase abundance over several reproductive cycles stabilize populations in the affected reaches in addition to habitat improvement through mitigation?*
- Marbled Murrelet Survey – Draft Planning Doc
 - BA Response
 - Scope is construction envelope and inundation area

AMM Jan – Mar 2021

- Fish Passage Criteria Summary
 - Status report on all-species passage
 - Regulatory
 - Existing successful projects
 - New Technologies
- Facility Operations Review
 - If less frequent operations (higher trigger level) would materially reduce impacts?
 - What would be the reduction in avoided flood damage?
 - Is there a combination of less frequent operations and local structural actions that can achieve the same flood damage reduction?
- Increase Flow and Frequency Analysis on Operations

AMM Jan – Mar 2021

- Cultural Resources Specialist
 - 106 Consultation
- Fisheries Analysis
 - Analysis of Supplemental Hatcheries
- Alternative Quarry Site Review



The background image is a landscape photograph showing a rural scene with significant flooding. In the middle ground, a large barn with a red roof and a tall, white, cylindrical silo are partially submerged in water. The water reflects the surrounding trees and sky. In the foreground, there are patches of green grass and some small structures, also partially flooded. The background is a dense forest of bare trees, suggesting a late autumn or winter setting. The overall tone is somewhat somber due to the flooding.

Questions/Comments