BONNEVILLE DAM

INDEX OF FPOM DECISIONS and MOC/MFRs REGARDING BON.

Updated 2 August 2022

QUICKLINKS

[Powerhouse One (PH1)](#PH1) includes Ice and Trash Sluiceway (ITS), navlock and waste treatment facility.

[Powerhouse Two (PH2)](#PH2) includes DSM2 and fish screens.

[Spillway](#SPILLWAY)

[Bradford Island fishway (BI)](#BI) includes visitor facilities.

[Cascades Island fishway (CI)](#CI)

[Washington Shore fishway (WS)](#WS) includes UMT, LFS, and visitor facilities.

[Adult Fish Facility (AFF)](#AFF)

[Juvenile Monitoring Facility (JMF)](#JMF)

[B2 Corner Collector (B2CC)](#B2CC)

[Sea lions](#SEALIONS)

[Willamette Falls Locks (WFL)](http://pweb.crohms.org/tmt/documents/Desktop/Bonneville%20Dam.doc#WFL)

NOTES: How to use this document.

Year month (MOC/MFR) - this indicates a memo. The memo title follows and may be found on the website if you want more details.

Year month- this indicates the FPOM meeting at which the recommendation or decision was made. You may find the FPOM meeting folders on the web if you want more details.

POWERHOUSE ONE

2022 July MOC/MFR

[22BON066 MFR PH1 Forebay Gill Net Removal](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON066%20MFR%20PH1%20Forebay%20Gill%20Net%20Removal.pdf)

[22BON055 MFR High Forebay Operation](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fpweb.crohms.org%2Ftmt%2Fdocuments%2FFPOM%2F2010%2FNWP%2520Memos%2520of%2520Coordination%2520and%2520Notification%2FBON%2520MOC%2520and%2520MFR%2F22BON055%2520MFR%2520High%2520Forebay%2520Operation.docx&wdOrigin=BROWSELINK)

[22BON027 MFR PH1 Forebay Gill Net Removal](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON027%20MFR%20PH1%20Forebay%20Gill%20Net%20Removal.pdf)

2022 May MOC/MFR [22BON011 MOC Model Validation Testing](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON011%20MOC%20Model%20Validation%20Testing.pdf)

2021 July MOC/MFR [21BON025 MFR PH1 support for 115kv lines](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON025%20MFR%20PH1%20support%20for%20115kv%20lines.pdf)

2021 April MOC/MFR

[21BON006 MOC Forebay hydro survey forebay PH1 and Bl Fishway exit](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON006%20MOC%20Forebay%20hydro%20survey%20forebay%20PH1%20and%20Bl%20Fishway%20exit.pdf)

21BON010 ITS gate pre-installation inspection

2021 February MOC/MFR [21BON001 MFR Old Nav lock bridge replacement](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON001%20MFR%20Old%20Nav%20lock%20bridge%20replacement.pdf)

2020 June MOC/MFR [20BON19 MFR MU8 Juv Salmonid Morts](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/20BON19%20MFR%20MU8%20Juv%20Salmonid%20Morts.pdf)

2019 January MOC/MFR [19BON01 MFR ITS OOS](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON01%20MFR%20ITS%20OOS.pdf)

2018 October MOC/MFR

[18BON64 MOC PH1 Units 3,4,5 outage for log removal](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON64%20MOC%20PH1%20Units%203%2C4%2C5%20outage%20for%20log%20removal.doc)

[18BON65 MOC PH1 diffuser removal](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON65%20MOC%20PH1%20diffuser%20removal.docx)

2018 June MOC/MFR

[18BON16 MFR CH Morts in PH1 tail log slots](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON16%20MFR%20Chinook%20Morts%20in%20PH1%20tail%20log%20slots.pdf)

[18BON17 MFR PL Morts in PH1 tail log slots](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON17%20MFR%20PL%20Morts%20in%20PH1%20tail%20log%20slots.pdf)

2018 May MOC/MFR [18BON06 MFR CH Mortalities in PH1](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON06%20MFR%20CH%20Mortalities%20in%20PH1%20tail%20log%20slot.pdf)

2017 June MOC/MFR

[17BON17 MFR Mortalities in PH1 tail log slots](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON17%20MFR%20%20Mortalities%20in%20PH1%20tail%20log%20slots.pdf)

[17BON27 MFR unit 6 priority](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON27%20MFR%20unit%206%20priority.pdf)

2017 May MOC/MFR

[17BON13 MFR Gill Net at PH1](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON13%20MFR%20Gill%20Net%20at%20PH1.pdf)

[17BON10 MFR MU3 Juvenile salmonid morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON10%20MFR%20MU3%20Juvenile%20salmonid%20morts.pdf)

2016 June MOCs and MFRs.

[16BON17 PH1 and PH2 spalling repair](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON17%20PH1%20and%20PH2%20spalling%20repair.pdf)

[16BON12 MFR PH1 Unit 8B tail log slot salmonid morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON12%20MFR%20PH1%20Unit%208B%20tail%20log%20slot%20salmonid%20morts.pdf)

2015 December MOC/MFR.

[15BON88 MFR debris issues and delays](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON88%20MFR%20debris%20issues%20and%20delays.pdf)
[15BON87 PH1 main unit breaker replacement](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON87%20PH1%20main%20unit%20breaker%20replacement.pdf)

[15BON86 Powerhouse priority switching](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON86%20Powerhouse%20priority%20switching.pdf)

2015 June MOC/MFR. [15BON07 115KV line voltage support](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON07%20115KV%20line%20voltage%20support.pdf)

2015 March FPOM

14BON82 T11 and T12 outages. T11 and T12 outages will be switched. T11 will be out in 2015 and T12 will be out in 2016. Outages are from early September until late October or first week of November. FPOM had not issues with this change.

2015 February MOC/MFR.

[14BON84 attachment 1 ITS\_Fish\_Impacts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON84%20attachment%201%20ITS_Fish_Impacts.xlsx)
[14BON84 PH1 ITS end gate and WG1 repair](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON84%20PH1%20ITS%20end%20gate%20and%20WG1%20repair%20August.pdf)

2014 December MOC/MFR [14BON80 MFR November debris issues](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON80%20MFR%20BON%20November%20debris%20issues.pdf)

2014 December FPOM

BON Weir Gate 1. Hausmann reported that the gate fell and it is believed the entrance is open. Hausmann asked when FPOM would like to have the work completed. Fredricks suggested getting the gate fixed this winter. This would require closing the ITS and shutting off a couple of south end units while PH1 is the priority powerhouse. FPOM was in general agreement with getting the work completed. Hausmann felt it would take about a day.

2014 November FPOM

BON Unit 11 update. 31 December 2014 return to service still holds. Hausmann reported that the unit will need to be spun without screens in early December. This would be about a week before the FPP allows for units to run unscreened. Hausmann said he didn’t know how long the unit would be spun. The Chief of Maintenance didn’t have a solid schedule but the guess is a few hours spread out over days. FPOM was in general agreement.

BON debris issues. FPOM recommends prioritizing pulling STSs over U11, if it comes down to it over the weekend. Lorz said delaying adults now is a bigger priority than delaying the return of a unit that has been out since 2008. He also recommended opening the B2CC to help move debris away from the units and provide downstream passage for any juveniles or adults heading downstream. Unscreened units may be operated at generation limit. This will help pull debris from the fish units and move more flow away from PH1.

2014 September MOCs/MFRs. [14BON61 MFR BON split flows](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON61%20MFR%20BON%20split%20flows.pdf)

2014 June MOC/MFR. [14BON08 BI Bridge overlay](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON08%20BI%20bridge%20overlay.pdf)

2014 June FPOM.

BON BI Serpentine weirs. *UI request sent with agenda.* Zorich provided some background about the serpentine weirs being difficult for lamprey to pass. This proposal would get video at BI with the goal of figuring out why lamprey are having difficulty in this area. Fredricks said the mounting structure has been modified to his satisfaction. BON Project Fisheries will monitor the area. FPOM is good with UI installing cameras.

BON Ops Task Group Chairman Lorz will arrange for a meeting the week of 23 June. The group agreed to 25 June at either 0930 or 1100.

2014 April FPOM. [14BON07 MFR PH1 juvenile salmonid morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON07%20MFR%20PH1%20SALMONID%20MORTS.pdf)

2014 April FPOM.

BON ITS repair schedule. All of the parts should be on hand by the end of May. Repairs will take about two weeks. FPOM previously suggested July/August for taking the ITS out of service for repairs. They held with that suggestion.

BON sewer line repair under tanner creek. Hausmann said the pipe is currently not leaking. Excavation and repairs are expected to occur in July. He asked if FPOM cares about this issue. FPOM requested a map of the area. Fredricks asked if this work has been coordinated through NOAA Habitat folks. This goes to PM-E for coordination with Regional folks.

BON navlock mooring dolphin installation. Hausmann asked if this needed to be done during the IWW period. The work could occur in the fall and should only take one day. FPOM recommended doing this work at the same time the ITS work is being completed. This would be a time when PH1 won’t be running as much, if at all.

2014 January FPOM. BON ITS end gate repair. Fredricks recommends July or August, when spill is still occurring. FPOM generally concurred with that timeframe.

2013 September MOC/MFR. [13BON68 MFR BON PH1 ITS Outage](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON68%20MFR%20BON%20PH1%20ITS%20OOS.doc)

**2013 September FPOM.** BON PH1 ITS. FPOM requested the ITS be returned to service as quickly as possible to provide safe passage for any fallback at PH1. PH1 is operating per FPP split flows criteria due to fish numbers.

2013 August MOC/MFR. [13BON55 BON Unit 1 trashrack inspection](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON55%20BON%20Unit%201%20trashrack%20inspection.pdf)

2013 May. Critical spare parts- spare transformers. FPOM agrees this is a high priority and should be followed up.

2012 August.

BPA’s BON PH1 open geometry request. FPOM agreed to PH2 priority, PH1, 15k spill, then back to PH1 open geometry. FPOM requested a special spill pattern for the 15k pattern. Flat spill across 18, 16, 3, 2, 1. FPOM would like the old crown pattern dating back to the early to mid 1990’s.

**2012 July (MOC/MFR).**

[12BON26 BON summer and fall operations updated.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON26%20BON%20summer%20and%20fall%20operations%20updated.doc)

[12BON11 2012 November chum ops.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON11%202012%20November%20chum%20ops.doc)

**2012 June.** BON unit operating range. Due to the myriad of issues with adults, juveniles, water quality, FGE and PH unit operations FPOM has decided this should be a task group. Members include Baus, Bettin, Fredricks, Hausmann, Lorz , Ms. Fancypants and Rerecich. Lorz will be the chair.

**2012 May (MOC/MFR)** [12BON14 BON U6 headgate morts.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON14%20BON%20U6%20headgate%20morts.doc)

2012 May. BON PH1 open geometry. FPOM says get PH2 to operate at the mid to lower 1% THEN the language for PH1 can be changed.

2012 March (MOC/MFR). [12BON06 ITS closure for PNNL hydrophone installation.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON06%20ITS%20closure%20for%20PNNL%20hydrophone%20installation.doc)

2012 February (MOC/MFR). [12BON05 BON delay in raking PH1 trashracks.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON05%20BON%20delay%20in%20raking%20PH1%20trashracks.doc)

2012 January. During the BI exit dredging, the ITS gates north of the wing wall need to be closed. FPOM tentatively agreed to this.

2011 December.

BON powerhouse priority switch from PH1 to PH2. FPOM recommended waiting until 12 December, when the fishway goes to orifice flow.

12 December - ITS closed for 1 hour to pull hydrophones at PH1 on wing wall between Units 6 and 7. FPOM ok.

BON dewatering procedures to keep large sturgeon out of the draft tube during dewatering. Fredricks suggested submitting a change form with the process.

2011 November.

BON fishway ops and unit operation with Washington Shore and B-branch out of service. FPOM (BPA needs to get approval still) recommends spilling flows in excess of PH1 and miscellaneous capacity during all hours from 3-13 November. Double flow from Bay 1 (go to 12”) as soon as possible. Propose changing the chum range from 11.3’ - 11.7’ to 11.3’ – 12.0’ at TMT as soon as coordinated. Coordinate a forebay soft constraint range of 73’ – 75’ msl (target 74’) as soon as possible.

**2011 September (MOC/MFR).**

[110926 UPDATED BON tranmission line work and non-fish spill.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110926%20UPDATED%20BON%20tranmission%20line%20work%20and%20non-fish%20spill.doc)

2011 September. Klatte said we will move forward with a 1 October dewater date. A unit return to service update will be provided as soon as possible. If the units at PH2 will return to service by February, there may be room for a week delay in dewatering and moving BI into March.

2011 August (MOC/MFR).

[110831 BON WS OOS Oct-Nov appendix 1.xls](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110831%20BON%20WS%20OOS%20Oct-Nov%20appendix%201.xls)

[110831 BON WS OOS Oct-Nov.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110831%20BON%20WS%20OOS%20Oct-Nov.doc)

2011 August. FPOM agreed to the following plan of action on the 10 August special FPOM call and today’s meeting: switch to PH1 priority until the Washington fishway is back to normal operation, operate units at the best geometry, PH2 unit priority will be from south to north, BON will finish inspecting weirs with a rental crane and camera on a stick, dive services will be acquired to reinstall the displaced grates. Divers are expected as early as 16 August.

2011 June (MOC/MFR).

[110621 UPDATED 110608 BON PH1 TURB OPS RANGE WAIVER\_2011-2012.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110621%20UPDATED%20110608%20BON%20PH1%20TURB%20OPS%20RANGE%20WAIVER_2011-2012.doc)

[110608 BON PH1 TURB OPS RANGE WAIVER\_2011-2012.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110608%20BON%20PH1%20TURB%20OPS%20RANGE%20WAIVER_2011-2012.doc)

2011 June. BON PH1 Turbine ops. Those FPOM members in attendance were in agreement with the movement of the 300 cfs from the bottom to the top of the 1% curve. This will be in conjunction with issuing a teletype for implementation when screens are re-installed at PH2.

2011 May. Askelson said BON ITS chaingates 1A and 1B could be set at 70’ msl. The Project will implement that today.

2011 April. FPOM approved the coordination form for BON unit 9 priority.

2011 March (MOC/MFR).

[110331 BON PH1 unit priority for U9](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110331%20BON%20PH1%20unit%20priority%20for%20U9.doc)
[110307 BON PH1 Unit Operations for Trolley Pipe Move Dive\_Revised 110323](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110307%20BON%20PH1%20Unit%20Operations%20for%20Trolley%20Pipe%20Move%20Dive_Revised%20110323.doc)
[110307 BON PH1 Unit Operations for Trolley Pipe Move Dive](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110307%20BON%20PH1%20Unit%20Operations%20for%20Trolley%20Pipe%20Move%20Dive.doc)

2011 March.

BON ITS and PH priority. USFWS, NOAA, BPA, and CRITRFC are in agreement with the switching of the PH priority and a kelt pattern for chain gates for 2011 fish passage season. ODFW and WDFW were absent. They also noted a need for hazing flexibility if warranted.

BON PH1 trolley pipe. FPOM agreed to the trolley pipe dives as long as the ITS is open for an hour during lunch to flush fish in the channel.

2011 February MOC/MFR.

[110218 BON PRIORITY PH CHANGE\_B2CC OPENING](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110218%20BON%20PRIORITY%20PH%20CHANGE_B2CC%20OPENING.doc)

[110203 BON PH1 sturgeon morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110203%20BON%20PH1%20sturgeon%20morts.doc)

2011 February. FPOM recommends switching PH priority for the Condit dam removal.

2011 January. FPOM says this time of year isn’t a huge concern for operation of the BON ITS. BON can leave 10B open while the gate is being repair, just make sure it is back in service for the fish passage season.

2010 October (MOC/MFR). [101005 BON PH1 unit priority](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/101005%20BON%20PH1%20unit%20priority.doc)

2010 October. BON ITS closure. Battelle would like to remove their research equipment in the PH1 forebay. 1-8 November is recommended since operations at PH1 will be limited due to the DSM1 outfall removal. FPOM agrees to the removal timeframe.

2010 September (MOC/MFR). [100920 BON DSM1outfall Removal](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/100920%20BON%20DSM1outfall%20Removal.doc)

2010 September. FPOM agreed to getting the BON PH1 JBS removal work completed during early November.

2010 August. BON WECC model validation testing for units 1 and 2. FPOM is on board with this request.

2010 July. FPOM needs more information about the BON units 1 and 2 WECC testing as far as operation duration and the flexibility in the schedule.

2010 June (MOC/MFR). [100614 BON PH1 unit priority](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/100614%20BON%20PH1%20unit%20priority.doc)

2010 June. BON U7 commissioning test. 72 hour heat run is complete. An additional issue is moving U7 to third in priority at PH1. FPOM says ok as long as 7A is open and 6C is closed

2010 May (MOC/MFR). [100527 BON PH1 U7 Commiss](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/100527%20BON%20PH1%20U7%20Commiss.doc)

2010 January (MOC/MFR). [100129 BON PH1 Trolley Pipe dive Schwartz](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/100129%20BON%20PH1%20Trolley%20Pipe%20dive%20Schwartz.doc)

2009 October.

FPOM agrees the BON PH1 fish screens can be scrapped this year.

FPOM will not permit the BON PH1 south turbine units to be out of service for the Ambursen section work. Unit one provides adult attraction. FV1-1 provides attraction flow, and there are ITS chaingates open for juvenile passage.

2009 September.

FPOM approves removal of the PH1 fish screens and DSM1 dewatering on 19 October. BON will operate the unit under the chaingate with the largest opening.

BON gantry 3 crane rail. FPOM approves the work on 15 September and the work in late October, but they would like to know why ground penetrating radar can’t be used.

2009 August. FPOM says ok to the one day outage of the ITS on 27 October, if needed, for transducer replacement.

2009 July (MOC/MFR). [090714 BON ITS outage for 3B repairs](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090714%20BON%20ITS%20outage%20for%203B%20repairs.doc)

2009 July. For BON unit operation, FPOM says do not run PH1 unless absolutely necessary. Run PH2 units at mid range or lower, except for those units with two orifices, those may run at upper 1%, with both orifices open. Close all orifices in units 11 and 16.

2009 June (MOC/MFR).

[090622 BON ITS outage for forebay wire repair](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090622%20BON%20ITS%20outage%20for%20forebay%20wire%20repair.doc)
[090622 BON ITS early outage for mods](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090622%20BON%20ITS%20early%20outage%20for%20mods.doc)

2009 June.

FPOM approved the BON ITS closure the last half of August as long as PH1 is not operating.

FPOM says the BON ITS early start date of 1 October is not ok, but 1 November would be ok. Any earlier will require more thorough discussion at FFDRWG.

2009 May (MOC/MFR). [090514 BON Gantry 4 crane rail](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090514%20BON%20Gantry%204%20crane%20rail.doc)

2009 May. BON PH1 +55’ deck crane rail replacement and gantry crane delivery. FPOM says ok to both the crane rail work and the crane delivery, as coordinated.

2009 April (MOC/MFR).

[090409 BON Bank 7-8 outage](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090409%20BON%20Bank%207-8%20outage.doc)
[090402 BON ITS outage for scaffolding removal](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090402%20BON%20ITS%20outage%20for%20scaffolding%20removal.doc)

2009 March (MOC/MFR).

[090326 BON unit 8 priority](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090326%20BON%20unit%208%20priority.doc)

[090326 BON PH1 sturgeon kill](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090326%20BON%20PH1%20sturgeon%20kill.doc)

[090313 BON ITS outage for automated gates](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090313%20BON%20%20ITS%20outage%20for%20automated%20gates.doc)
[090306 BON ITS outage for pier nose dive](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090306%20BON%20ITS%20outage%20for%20pier%20nose%20dive.doc)

2009 March.

BON ITS Gates 1A and 1B would be set at fixed positions, the model used 71’ and 73’, respectively. FPOM says ok.

FPOM says ok to the BON ITS closure on 13-14 March as long as PH1 does not operate.

2009 February. FPOM okay with fish screens in units 1 and 2 at BON PH1. USACE is fairly confident there will be an open gate at U1 so FPOM says no change to unit priority prior to STS installation.

**2008 November (MOC/MFR).** [081128 BON PH1 STS removal](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/081128%20BON%20PH1%20STS%20removal.doc)

**2008 September**. FPOM agreed to the new language regarding the BON PH1 fish screen install date. It will now be as soon as possible after spill ends.

**2008 August**.

FPOM agreed with the 25 August outage at BON. Powerhouse priority will switch to PH1 at midnight on 25 August.

FPOM says ok to dewatering the BON ITS starting 15 October. Screens still need to be installed on 15 September.

**2007 October (MOC/MFR).** [071005 BON BI cleanup dead chinook](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/071005%20BON%20BI%20cleanup%20dead%20chinook.doc)

**2007 September**. Bonneville requests a change to PH1 priority due to orifice 1A failing to open. Priority would be U2 and U4 until the week of 17 September. When U3 returns to service, U4 screens would be moved to U3. FPOM gives approval. G. Fredricks would like to see the open chaingates over operating units.

**2007 July**. Bonneville Powerhouse 1 Draft Tube Grizzly Drains. Bonneville PH1 grizzly drains trap and kill sturgeon. Project Fisheries would like to look at redesigning the grate, possibly with a cage. Need FPOM approval since a cage would put a structure in the draft tube environment. FPOM okays modifications to protect sturgeon.

2007 April. PH1 ITS chaingates. Dennis requested approval to open chaingates 1A and 1B to provide more flow for juveniles. FPOM agreed

2007 March. Bonneville PH1 turbine priorities. With Unit 2 coming back, it will need to go through the 72 hour run test. D. Schwartz requests the first on/ last off status be maintained through 13 March. There was no opposition from FPOM.

2005 October MOC/MFR. [051008 BON oil spill](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/051008%20BON%20oil%20spill.doc)

2005 September MOC/MFR.

[050926 BON Spirit of Alaska incident](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/050926%20BON%20Spirit%20of%20Alaska%20incident.doc)
[050926 BON ECC Spirit of Alaska Report](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/050926%20BON%20ECC%20Spirit%20of%20Alaska%20Report.doc)

2004 September MOC/MFR. [040906 BON oilspill nav1](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/040906%20BON%20oilspill%20nav1.doc)

2004 April MOC/MFR. [040405 BON chlorinated water spill](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/040405%20BON%20chlorinated%20water%20spill.doc)

2003 August (MOC/MFR). [030811 BON PH1 crane rail](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/030811%20BON%20PH1%20crane%20rail.doc)

2002 July (MOC/MFR). [020708 BON DSM1 add in valve](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/020708%20BON%20DSM1%20add%20in%20valve.doc)

2000 September (MOC/MFR).

[000911 BON PH1 unit6](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/000911%20BON%20PH1%20unit6.doc)

[000905 BON PH1 unit4](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/000905%20BON%20PH1%20unit4.doc)

1999 May (MOC/MFR). [990503 BON DSM1](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/990503%20BON%20DSM1.doc)

POWERHOUSE TWO

2022 July MOC/MFR [22BON042 MFR U17 Ammocoete PL Morts](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fpweb.crohms.org%2Ftmt%2Fdocuments%2FFPOM%2F2010%2FNWP%2520Memos%2520of%2520Coordination%2520and%2520Notification%2FBON%2520MOC%2520and%2520MFR%2F22BON042%2520MFR%2520U17%2520Ammocoete%2520PL%2520Morts.docx&wdOrigin=BROWSELINK)

2022 June MOC/MFR

[22BON022 MFR PH2 Fish Unit 2 Outage](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON022%20MFR%20PH2%20Fish%20Unit%202%20Outage.pdf)

[22BON015 MFR PH2 Unit Operation and Increased Spill](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON015%20MFR%20PH2%20Unit%20Operation%20and%20Increased%20Spill.pdf)

2022 May MOC/MFR

[22BON012 MFR U15 Bulkhead Smolt Salmonid Morts](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON012%20MFR%20U15%20Bulkhead%20Smolt%20Salmonid%20Morts.pdf)

[22BON009 MOC T11 BPA Outage](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON009%20MOC%20T11%20BPA%20Outage.pdf)

2022 March MOC/MFR

[22BON007 U14 and U15 B2FGE Hydraulic Testing](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON007%20MOC%20U14%20and%20U15%20B2FGE%20Hydraulic%20Testing.pdf)

[22BON004 MOC T12 Outage](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON004%20MOC%20T12%20OOS.pdf)

[22BON003 MFR U11 STS Failure](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON003%20MFR%20U11%20STS%20Failure.pdf)

[22BON001 MFR Units 11-14 OOS](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON001%20MFR%20Units%2011-14%20OOS.pdf)

2021 November MOC/MFR

[21BON098 MFR U11 Outage and STS Repair](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON098%20MFR%20U11%20Outage%20and%20STS%20Repair.pdf)

[21BON097 MOC Early STS Removal](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fpweb.crohms.org%2Ftmt%2Fdocuments%2FFPOM%2F2010%2FNWP%2520Memos%2520of%2520Coordination%2520and%2520Notification%2FBON%2520MOC%2520and%2520MFR%2F21BON097%2520MOC%2520Early%2520STS%2520Removal.docx&wdOrigin=BROWSELINK)

2021 August MOC/MFR

[21BON077 PH2 PLC Failure and Entrance Gate Closure](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON077%20PH2%20PLC%20Failure%20and%20Entrance%20Gate%20Closure.pdf)

[21BON076 MFR Downtream Migrant channel 2 ERG Trip](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON076%20MFR%20Downtream%20Migrant%20channel%202%20ERG%20Trip.pdf)

2021 June MOC/MFR

[21BON011 MOC FOG Bulkhead swap-out](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON011%20MOC%20FOG%20Bulkhead%20swap-out.pdf)

[21BON009 MFR U14 and 15 Outage and STS Failure](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON009%20MFR%20U14%20and%2015%20Outage%20and%20STS%20Failure.pdf)

[21BON003 MFR U18 Delayed In-Service Date](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON003%20MFR%20U18%20Delayed%20In-Service%20Date.pdf)

2020 July MOC/MFR [22BON069 MOC PH2 Outage for electrical work](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/20BON69%20MOC%20PH2%20outage%20for%20electrical%20work.pdf)

**2020 March MOC/MFR**

[20BON07 MOC PH2 OWS Cleaning and Valve Work](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/20BON07%20MOC%20PH2%20OWS%20Cleaning%20and%20Valve%20work.pdf)

[20BON08 MFR F2 Oil Leak and outage](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/20BON08%20MFR%20F2%20Oil%20Leak%20and%20outage.pdf)

[20BON11 MOC F1 Outage](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/20BON11%20MOC%20F1%20Outage.pdf)

**2020 January FPOM.**

20BON01 MOC PH2 entrance closure for OWS project – FPOM would like the work to occur after noon.

2020 January MOC/MFR.

[20BON01 MOC PH2 OWS Discharge Pipe Install](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/20BON01%20MOC%20PH2%20OWS%20Discharge%20Pipe%20Install.docx)

2019 November MOC/MFR.

[19BON65 MOC Unit 18 and Fish unit outage for OWS](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON65%20MOC%20Unit%2018%20and%20Fish%20unit%20outage%20for%20OWS.pdf)

2019 September MOC/MFR [19BON56 MOC PH2 OWS Installation](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON56%20MOC%20PH2%20OWS%20Installation.docx)

2019 August MOC/MFR [19BON46 MOC Fish unit outage and AWS inspection](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON46%20MOC%20Fish%20Unit%20Outage%20and%20AWS%20Inspection.pdf)

2019 April MOC/MFR [19BON05 MFR ERG Trip](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON05%20MFR%20ERG%20Trip.pdf)

2019 March MOC/MFR [19BON03 MOC Fish Unit and Main Unit Islanded Testing Coordination](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON03%20MOC%20Fish%20Unit%20and%20Main%20Unit%20Islanded%20Testing%20Coordination.docx)

2018 August MOC/MFR [18BON54 MFR PH2 F2 OOS](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON54%20MFR%20PH2%20F2%20OOS.pdf)

2018 May MOC/MFR

[18BON04 MOC Unit 15 Modified Operation](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON04%20MOC%20Unit%2015%20modified%20operation.pdf)

[18BON05 MOC T12 Outage for Roof Repair](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON05%20MOC%20T12%20Outage%20for%20Roof%20Repair.pdf)

2018 January MOC/MFR [18BON01 MOC Fish Unit Dredging at PH2](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON01%20MOC%20Fish%20Unit%20Dredging%20at%20PH2.pdf)

2017 November MOC/MFR [17BON72 MFR MU17 STS malfunction](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON72%20MFR%20MU17%20STS%20malfunction.pdf)

2017 July MOC/MFR [17BON54 MFR DSM PL mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON54%20MFR%20DSM%20PL%20mort.pdf)

2017 June MOC/MFR [17BON20 MOC T11 Outage for B2 Roof Repair](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON20%20MOC%20T11%20Outage%20for%20B2%20Roof%20Repair%20Updated.pdf)

2017 May MOC/MFR

[17BON12 MFR B2 Orifices](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON12%20MFR%20B2%20Orifices.pdf)

[17BON11 T11 Outage for B2 Roof Repair](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON11%20MOC%20T11%20Outage%20for%20B2%20Roof%20Repair%20Revised%2026%20September.pdf)

2017 April MOC/MFR [17BON07 MFR PH2 FU1 forced OOS](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON07%20MFR%20PH2%20FU1%20forced%20OOS.pdf)

2016 September MOC/MFR [16BON97 MFR Fish Unit floating May-July](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON97%20MFR%20Fish%20Unit%20floating%20May-July.pdf)

2016 August MOC/MFR [16BON93 MOC EAL testing at BON v2](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON93%20MOC%20EAL%20testing%20at%20BON%20v2.pdf)

2016 June MOCs/MFRs.

[16BON17 PH1 and PH2 spalling repair](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON17%20PH1%20and%20PH2%20spalling%20repair.pdf)

[16BON16 MFR Fish Unit floating times for Mar and Apr 2016.pdf](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON16%20MFR%20Fish%20Unit%20floating%20times%20for%20Mar%20and%20Apr%202016.pdf)
[16BON14 T11 and T12 outage schedule update](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON14%20T11%20and%20T12%20outage%20schedule%20update.pdf)

2016 April MOC/MFR.

[16BON10 MOC EAL testing U15](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON10%20MOC%20EAL%20testing%20U15.pdf)
[16BON09 MFR Unit 12 outage](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON09%20MFR%20Unit%2012%20outage.pdf)

2016 March MOC/MFR. [16BON08 MFR Fish Unit floating times for Feb 2016](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON08%20MFR%20-%20Fish%20Unit%20floating%20times%20for%20Feb%202016.pdf)

2016 February MOC/MFR. [16BON07 MFR Fish unit floating times for Jan 2016.pdf](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON07%20MFR%20Fish%20unit%20floating%20times%20for%20Jan%202016.pdf)

2016 January MOC/MFR.

[16BON04 MFR Fish Unit floating times for Dec 2015.pdf](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON04%20MFR%20Fish%20Unit%20floating%20times%20for%20Dec%202015.pdf)

[16BON03 MOC Blown grating at PH2CC diffuser C4.pdf](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON03%20MOC%20Blown%20grating%20at%20PH2CC%20diffuser%20C4.pdf)

2015 December MOC/MFR.

[15BON88 MFR debris issues and delays](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON88%20MFR%20debris%20issues%20and%20delays.pdf)
[15BON86 Powerhouse priority switching](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON86%20Powerhouse%20priority%20switching.pdf)

2015 November FPOM. BON fish unit floating for debris. FPOM agreed it should be documented in an MFR every time. *UPDATE: further discussion with Fredricks and Lorz has resulted in agreement that the floating for debris will be documented in the weekly reports and then summarized monthly in an MFR.*

2015 July MOC/MFR.

[15BON41 U18 outage](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON41%20U18%20outage.pdf)
[15BON41 attachment 1 10 yr average August fish counts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON41%2015BON41%20attachment%201%2010%20yr%20average%20August%20fish%20counts.xlsx)
[15BON39 MFR BON PH2 gatewell sturgeon mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON39%20MFR%20BON%20PH2%20Sturg%20MORT.pdf)

2015 April MOC/MFR. [15BON02 T11 and T12 outage schedule change](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON02%20T11%20and%20T12%20outage%20schedule%20change.pdf)

2015 March FPOM

14BON82 T11 and T12 outages. T11 and T12 outages will be switched. T11 will be out in 2015 and T12 will be out in 2016. Outages are from early September until late October or first week of November. FPOM had not issues with this change.

14BON83 WS Fish View Building roof. The work will start a week earlier. FPOM was ok with this.

BON PH2 FGE testing. Fredricks would prefer to prioritize U18 over U11 if flows are so low as to allow only three units. FPOM discussed the options and eventually agreed that prioritizing adults during this time of year would be more beneficial. Priority would be U18, 15, 14. During non-test periods unit priority should be as per the FPP.

2014 December MOC/MFR
[14BON82 updated T11 outages for 2016](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON82%20updated%20T11%20outages%20for%202016.pdf)
[14BON80 MFR November debris issues](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON80%20MFR%20BON%20November%20debris%20issues.pdf)

2014 November FPOM

BON Unit 11 update. 31 December 2014 return to service still holds. Hausmann reported that the unit will need to be spun without screens in early December. This would be about a week before the FPP allows for units to run unscreened. Hausmann said he didn’t know how long the unit would be spun. The Chief of Maintenance didn’t have a solid schedule but the guess is a few hours spread out over days. FPOM was in general agreement.

BON debris issues. FPOM recommends prioritizing pulling STSs over U11, if it comes down to it over the weekend. Lorz said delaying adults now is a bigger priority than delaying the return of a unit that has been out since 2008. He also recommended opening the B2CC to help move debris away from the units and provide downstream passage for any juveniles or adults heading downstream. Unscreened units may be operated at generation limit. This will help pull debris from the fish units and move more flow away from PH1.

2014 September MOCs/MFRs

[14BON61 MFR BON split flows](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON61%20MFR%20BON%20split%20flows.pdf)
[14BON59 T11 and T12 outages](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON59%20T11%20and%20T12%20outages.pdf)

2014 August MOCs/MFRs. [14BON49 FGE U14 and U15 tests](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON49%20FGE%20U14%20and%20U15%20tests.pdf)

2014 June MOC/MFR

[14BON13 T11/T12 outages for 2014-16](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON13%20T11%20and%20T12%20outages%20for%202014%20-%202016.pdf)

[14BON02a FGE testing in May-June (Revised)](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON02a%20FGE%20testing%20in%20MayJune.pdf)

2014 June FPOM.

BON U13 moved up in priority. FPOM is still ok with moving U13 up in priority.

BON Ops Task Group Chairman Lorz will arrange for a meeting the week of 23 June. The group agreed to 25 June at either 0930 or 1100.

2014 May FPOM.

BON Unit 13 priority. FPOM is ok with moving it up in priority but will revisit this in June.

BON TIES removal. The contractor will cut up the TIES, remove the old fish lab pipes, and the unused PH1 JMF aluminum flume. FPOM concurred.

2014 April FPOM. BON FVB roof repair. Hausmann reported BON will trowel on a seal. The deck will need to be pressure washed prior to the troweling. FPOM said do not let the pressure washing waste wash into the fishway.

2014 February MOC/MFR.

[14BON02 FGE testing in May-June](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON02%20FGE%20testing%20in%20MayJune.pdf)
[14BON02 Attachment 4 B2 FGE Test](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON02%20FGE%20Attachment%204%20B2FGETest.pdf)
[14BON02 Attachment 3 COBTWG response](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON02%20FGE%20Attachment%203%20COBTWG%20response.pdf)
[14BON02 Attachment 2 BO2 Collection numbers by date/year](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON02%20Attachment%202%20BO2%20Collection%20numbers%20by%20date%20range%20and%20year.pdf)
[14BON02 Attachment 1 2005, 2007, 10-year average sockeye passage](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON02%20Attachment%201%202005%202007%20and%2010%20yr%20avg%20sockeye.pdf)

2014 January FPOM. BON DSM2 LED update. Hausmann said they are not moving forward with outfitting the entire DSM with LEDs. There are LEDs in U18 though. Fredricks said he doesn’t see a reason not to replace all units with LED lights. He noted the change is an improvement.

2013 November FPOM. BON LED testing. Hausmann referred FPOM to the attachments sent out with the agenda. He said BON has some spare bulbs on hand; they could test them now if FPOM approves. FPOM agreed that BON should put in the LEDs that are on hand. Unit 18 will be the test unit.

2013 August MOC/MFR. [13BON63 MFR BON PH2 Steelhead mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON63%20MFR%20BON%20PH2%20STH%20MORT.pdf)

2013 August FPOM

BON mid-season fishway ROV inspection. The diffuser cover for FG6-18, at Cascades Island, was blown askew. About ¾ of the hole is exposed. FPOM discussed the risks to fish. BON will close off FG6-18 and start to schedule an emergency dive as soon as possible.

Tribal video at BON. FPOM was ok with the filming occurring in the next couple of weeks.

2013 July MOC/MFR. [13BON52 fish unit ROV inspection](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON52%20BON%20fish%20unit%20ROV%20inspection.pdf)

**2013 July FPOM.** BON F2 extended outage. Currently scheduled for 23 November. The Project is concerned about the delay in getting components back in time to allow for F1 to be taken down and serviced. Hausmann asked about leaving F2 out while the lamprey work is going on and keeping it out until the work is complete. FPOM was in agreement with that as long as F1 is kept in service and work progresses on the units in a timely manner.

2013 June. BON LED testing. Fredricks said go ahead and do the test in the dry. He also said just replace with in-kind for now, but know that the lighting may change in the future.

**2013 June FFDRWG.**

Medina suggested separating BON orifice lighting from BON PH2 FGE so one may progress at a faster clip than the other. FFDRWG agreed with that action.

2013 May.

Critical spare parts- spare transformers. FPOM agrees this is a high priority and should be followed up.

*NWP Special FFDRWG for BON Ops. Fredricks, Conder, Lorz, Wills concurred with the COE recommendation to not move forward with next week's run of the river fish testing of the TRD.*

2013 March (MOC/MFR) [13BON01 2014 T11 and T12 outages](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON01%202014%20T11%20and%20T12%20outages.doc). 13BON01 T11 and T12 outages. Approved to go forward from September – November with one transformer in 2014 and the other in 2015.

2013 February. LED lights. FPOM said that this is not a high priority but as the orifice lights need to be replaced, it is ok to replace with LED. The concern was where money is spent given the higher priority fish items in the District. Hausmann asked about DSM2. Fredricks said no. He would like to see the orifice light PDT move forward with evaluating alternatives, of which this may be one. Rerecich said he thinks this may be worth taking a look at again. Fredricks said he wants to see the same light currently there. If that can be accomplished with LEDs, that is fine as long as the light intensity is the same.

2012 November (MOC/MFR). [12BON39 PH2 fish unit dredging.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON39%20PH2%20fish%20unit%20dredging.doc)

2012 November. FPOM approves dredging of the PH2 Fish Units for FY13.

**2012 July (MOC/MFR)**

[12BON26 BON summer and fall operations updated.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON26%20BON%20summer%20and%20fall%20operations%20updated.doc)

[12BON11 2012 November chum ops.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON11%202012%20November%20chum%20ops.doc)

**2012 June (MOC/MFR)** [12BON15 Updated Unit 11 return to service testing.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON15%20Updated%20Unit%2011%20return%20to%20service%20testing.doc)

2012 June.

BON PH2 operating range. FPOM stressed that changing PH2 units to operate at the mid-point is a temporary fix to fish survival through the gatewell. Once FGE is improved, the units would return to operating at the upper 1%.

BON unit operating range. Due to the myriad of issues with adults, juveniles, water quality, FGE and PH unit operations FPOM has decided this should be a task group. Members include Baus, Bettin, Fredricks, Hausmann, Lorz , Ms. Fancypants and Rerecich. Lorz will be the chair.

B2 Fish Unit trashrake. Rerecich reported that trashrake improvements are CRFM funded however there is no O&M funding for a survey and dredging. FPOM says the dredging must be completed this winter.

BON T-11 will be out of service from 30 July through 16 August. This will take units 11-14 and F1 OOS. This outage cannot be switched to later. Unit 18 is the recommended unit for screening during the Gantry 7 outage.

2012 May.

BON VBS cleaning. The debris has been plugging the DSM dewatering screens. FPOM recommends continual operation of the screen cleaners during VBS cleaning.

BON SQ replacement. 12 June is the date chosen for doing the work. Units 11, 13, and 15 would be out of service. It will require about a three hour outage. FPOM says do the work anytime after about 1000.

**2012 April (MOC/MFR)**

[12BON10 BON U11 tail log dive.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON10%20BON%20U11%20tail%20log%20dive.doc)

[12BON08 BON Gantry 7 rehab.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON08%20BON%20Gantry%207%20rehab.doc)

2012 April. BON lamprey trap locations. Rerecich suggested moving the lamprey trap at the old ice and trash chute (ITC) to the SDE so it is fishing adjacent to the flow. Moving the trap would include four anchor bolts. NOAA could do the work at night. Currently looking at the week of 16 April or 14 May to do the work. FPOM says do it 17-18 April, at night and place at the end of the south monolith pier, away from the main flow.

2012 January. BON needs to provide a MOC detailing all the winter activities and potential conflicts so FPOM has all the information available and can make a decision.

2011 December (MOC/MFR). [111228 BON U18 scroll case Sturgeon Mortality.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/111228%20BON%20U18%20scroll%20case%20Sturgeon%20Mortality.doc)

2011 December.

BON powerhouse priority switch from PH1 to PH2. FPOM recommended waiting until 12 December, when the fishway goes to orifice flow.

BON dewatering procedures to keep large sturgeon out of the draft tube during dewatering. Fredricks suggested submitting a change form with the process.

2011 November MOC/MFR. [111115 BON DSM2 morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/111115%20BON%20DSM2%20morts.doc)

2011 November.

BON fishway ops and unit operation with Washington Shore and B-branch out of service. FPOM (BPA needs to get approval still) recommends spilling flows in excess of PH1 and miscellaneous capacity during all hours from 3-13 November. Double flow from Bay 1 (go to 12”) as soon as possible. Propose changing the chum range from 11.3’ - 11.7’ to 11.3’ – 12.0’ at TMT as soon as coordinated. Coordinate a forebay soft constraint range of 73’ – 75’ msl (target 74’) as soon as possible.

BON U16 draft tube dewatering. FPOM agrees with the proposal to pull tail logs every four days IF fish numbers/size exceed reasonable salvage activities.

FPOM requests the BON VBS task group reconvene in early January. Hausmann is the chair.

**2011 October (MOC/MFR).** [111013 BON DSM2 early outage.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/111013%20BON%20DSM2%20early%20outage.doc)

**2011 September (MOC/MFR).** [110913 BON Unit 17 scroll case Sturgeon Mortality.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110913%20BON%20Unit%2017%20scroll%20case%20Sturgeon%20Mortality.doc)

2011 September.

Klatte said we will move forward with a 1 October dewater date. A unit return to service update will be provided as soon as possible. If the units at PH2 will return to service by February, there may be room for a week delay in dewatering and moving BI into March.

SA-24 board. Hausmann said the board is nearly done but maintenance needs to test it now. Hausmann asked if they could do a quick test to see if the board talks to the fishway and items respond. FPOM agreed that BON could test the 24-SA board.

2011 August (MOC/MFR).

[110831 BON WS OOS Oct-Nov appendix 1](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110831%20BON%20WS%20OOS%20Oct-Nov%20appendix%201.xls)

[110831 BON WS OOS Oct-Nov](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110831%20BON%20WS%20OOS%20Oct-Nov.doc)

[110818 BON Washington shore dewatering grating repair](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110818%20BON%20Washington%20shore%20dewatering%20grating%20repair.doc)

2011 August.

FPOM agreed with the change in unit priority at BON PH2, starting with Unit 12 and moving north. They also agreed that if there are no blown grates in weirs with direct connection to the AWS, except for weir 3, then there is no need to dewater the AWS for fish salvage.

FPOM agreed with the operation of BON units 16 and 18 to flush fish from U17.

FPOM agreed to the following plan of action on the 10 August special FPOM call and today’s meeting: switch to PH1 priority until the Washington fishway is back to normal operation, operate units at the best geometry, PH2 unit priority will be from south to north, BON will finish inspecting weirs with a rental crane and camera on a stick, dive services will be acquired to reinstall the displaced grates. Divers are expected as early as 16 August.

2011 July. (MOC/MFR)

[110725 BON 230kv line outage](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110725%20BON%20230kv%20line%20outage.doc)

[110705 BON gantry 6 testing](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110705%20BON%20gantry%206%20testing.doc)

2011 July.

FPOM agreed with BON Project Fisheries about waiting until winter to replace Weir 34 grating, though they did ask that Project Fisheries sound the other diffuser grates to make sure they are in place.

FPOM agrees with the unit outage swap, U14 and U18, at BON.

2011 May (MOC/MFR).

[110524 UPDATED 110518 BON remaining fish screen removal](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110524%20UPDATED%20110518%20BON%20remaining%20fish%20screen%20removal%20.doc)

[110518 BON fish screen removal](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110518%20BON%20fish%20screen%20removal%20.doc)

2011 May. Most of FPOM prefers October for the Castle Rock-Troutdale 500kV reinforcement project, Kiefer had concerns about why April isn’t a better time to take PH2 out. Fredricks said with the B2CC, it is better to have the powerhouse operating.

2011 April (MOC/MFR).

[110425 UPDATED 110413 BON Gantry 7 rehab](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110425%20UPDATED%20110413%20BON%20Gantry%207%20rehab.doc)
[110421 UPDATED 091022 BON 2010 PH2 switchgear replacement](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110421%20UPDATED%20091022%20BON%202010%20PH2%20switchgear%20replacement.doc)

2011 April. FPOM agreed to the following Spring Creek operation at BON- load PH2 at 25%, pick up generation at PH1 with fully loaded units, and then go back to PH2 if needed.

2011 March. BON Fish Unit headgate rehab. FPOM agreed to the early outage for F1 on 15 November 2011.

2011 February MOC/MFR. [110218 BON PRIORITY PH CHANGE\_B2CC OPENING](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110218%20BON%20PRIORITY%20PH%20CHANGE_B2CC%20OPENING.doc)

2011 February.

FPOM recommends the VBS cleaning at BON be added to the alternatives study, headed by Randy Lee.

FPOM recommends switching PH priority for the Condit dam removal.

2010 November (MOC/MFR). [101118 BON PH2 Unit Operations](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/101118%20BON%20PH2%20Unit%20Operations.doc)

2010 November. FPOM recommends not putting BON TIES in for 2011, but leaving them on-site for a year.

2010 October (MOC/MFR).

[101018 BON DSM2 dewatering REVISED](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/101018%20BON%20DSM2%20dewatering%20REVISED.doc)

[101004 BON DSM2 elevation sensors](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/101004%20BON%20DSM2%20elevation%20sensors.doc)

2010 October. FPOM (BPA is tentatively ok with the proposed operation) agrees to operating BON PH2 units 12 through 15 with the B2CC open. The Project is requested to pull screens from north to south. Project Bios are requested to monitor fish numbers in gatewells of units operated while unscreened. The B2CC should be opened if the units need to be operated, once open it will remain open until 15 December (when screens would be pulled anyway). BPA is tentatively ok with the proposed operation.

2010 August.

Coordination form BON PH2 unit 12 and/or 18 cooling water pipes. *FPOM in agreement with the work.*

BON Gantry 7 outage. FPOM accepted that this outage is inevitable.

BON Forebay survey. Lorz suggested doing most of the work, including the WS exit in the morning and sometime after noon for closing down the AWS and all other areas . Fredricks and the rest of FPOM agrees.

2010 July (MOC/MFR). [100727 BON PH2 unit outage](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/100727%20BON%20PH2%20unit%20outage.doc)

2010 July.

FPOM is ok with the scheduled outage of the BON T11/T12 lines. The outage is to start the week of 12 July.

FPOM does not like the current schedule for the BON PH2 gantry crane outage. They would rather see it occur after the fish passage season.

FPOM asked if the BON forebay survey work could be done at night, late September or off peak hours.

2010 June (MOC/MFR). [100611 BON VBS cleaning](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/100611%20BON%20VBS%20cleaning.doc)

2010 May (MOC/MFR). [100520 BON Unit 12 oil leak repairs](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/100520%20BON%20Unit%2012%20oil%20leak%20repairs.doc)

2010 April (MOC/MFR). [100414 BON T11 and T12 Request](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/100414%20BON%20T11%20and%20T12%20Request.doc)

2010 January (MOC/MFR). [100104 updated 091217 BON BGS dive](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/100104%20updated%20091217%20BON%20BGS%20dive.doc)

2009 December (MOC/MFR). [091217 BON BGS dive](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/091217%20BON%20BGS%20dive.doc)

2009 October (MOC/MFR).

[091025 BON DSM2 sthd](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/091025%20BON%20DSM2%20sthd.doc)
[091022 BON 2010 PH2 switchgear replacement](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/091022%20BON%202010%20PH2%20switchgear%20replacement.doc)

[091002 UMT DIDSON evaluation](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/091002%20%20UMT%20DIDSON%20evaluation.doc)

2009 July (MOC/MFR). [090716 BON PH2 unit priority](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090716%20BON%20PH2%20unit%20priority.doc)

2009 July. For BON unit operation, FPOM says do not run PH1 unless absolutely necessary. Run PH2 units at mid range or lower, except for those units with two orifices, those may run at upper 1%, with both orifices open. Close all orifices in units 11 and 16.

2009 May. BON reduced entrance head test. FPOM says there isn’t a pressing need to double-check the one fish unit operation again this year so don’t mess with the fishway entrances any more than absolutely necessary.

**2009 April (MOC/MFR).**

[090430 BON PH2 OOS](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090430%20BON%20PH2%20OOS.doc)

[090427 BON DSM2 CH morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090427%20BON%20DSM2%20CH%20morts.doc)
[090423 BON U17 headgates](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090423%20BON%20U17%20headgates.doc)

[090410 BON unit 12 OOS](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090410%20BON%20unit%2012%20OOS.doc)

**2009 March (MOC/MFR).** [090326 BON T11-T12 outage](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090326%20BON%20T11-T12%20outage.doc)

2009 March. BON T11/12 outage. The work must be done at night. If it can’t be done at night it will need to wait until after the peak of the run.

**2009 February (MOC/MFR).** [090209 BON PH2 PCC outage extension](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090209%20BON%20PH2%20PCC%20outage%20extension.doc)

2009 February. FPOM is concerned about the proposed timing for the T11/12 outage due to the extent of the outage required and the numbers of fish that could be migrating at that time of year.

**2009 January (MOC/MFR).** [090126 BON PH2 PCC outage extension](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090126%20BON%20PH2%20PCC%20outage%20extensionC.doc)

**2008 December (MOC/MFR).** [081215 BON debris plan MFR](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/081215%20BON%20debris%20plan%20MFR.doc)

**2008 December**. TIES will go in at BON this fish passage season.

**2008 September (MOC/MFR).** [080926 BON PH2 priority change request](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/080926%20BON%20PH2%20priority%20change%20request.doc)

**2008 September**. FPOM agreed that jacks should be included in fish counts for deciding to split flows at BON.

**2008 August**.

FPOM approves cancelling the mid-season ROV inspection at BON, instead of shutting down the WS fishway at the peak of the Fall chinook run.

FPOM okays a dive inspection on the BON BGS for early October, before the ITS goes out of service, this year but expects these types of dives to be scheduled during winter maintenance in the future.

**2008 July.**

FPOM is ok with continuing U14 gatewell testing after water temperatures reach 70°F as long as the researchers feel comfortable handling the fish.

FPOM said it is ok for BON to pull VBSs and STSs 24-48 hours prior to a unit dewatering. The unit should be operating to flush fish through.

**2008 June (MOC/MFR).** [080610 BON Debris Monitoring- STS install](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/080610%20BON%20Debris%20Monitoring-%20STS%20install.doc)

**2008 May (MOC/MFR).**

[080528 BON debris MFR](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/080528%20%20BON%20debris%20MFR.doc)
[080522 BON debris MFR final draft](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/080522%20BON%20debris%20MFR%20final%20draft.doc)

**2008 May**.

FPOM approved the BON screen re-install plan as detailed in the memo.

FPOM created a new PH2 VBS task group with Hausmann as the chair.

**2008 March MOC/MFR.** [080327 BON Unit 17 sturgeon](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/080327%20BON%20Unit%2017%20sturgeon.doc)

**2008 February**.

FPOM agreed to the Bonneville fish unit outage all day on 4 March.

FPOM recommends starting BON PH2 units at a mid-point in the 1% range during the Spring Creek National Fish Hatchery releases.

**2007 November**.

B. Klatte will head up an ad-hoc committee to put together a fact sheet on the TIES. The committee will consider the impacts of the B2CC, BGS, etc on the effectiveness of the TIES. Committee members include Klatte, Schwartz, Bettin, Fredricks, Wills and Mackey. First meeting is 10 January immediately following FPOM.

FPOM agrees that the TIE crane boom needs to be fixed. FPOM accepts that TIES are not going to be installed in 2008.

**2007 July (MOC/MFR).**

[070710 BON juvenile mortalities in DSM2](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/070710%20BON%20juvenile%20mortalities%20in%20DSM2.doc)

[070703 BON DSM2 ERG](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/070703%20BON%20DSM2%20ERG.doc)

**2007 July**.

Bonneville Powerhouse 2 TIES. S. Bettin and D. Schwartz discussed the need for the TIE crane. The TIE crane is used for B2CC bulkhead and headgate, VBS cleaning, turbine Kaplan pipes, TIES. VBS/FGE mods depend on the TIE crane. Failure to clean VBSs may lead to unit shutdown, forced spill, and a TDG violation. TIES can’t be installed. This is a violation of the FPP. They are good for guidance, flow manipulation and are needed for testing the BGS guidance.

There is currently no funding in place for repair. It is not a line item in the FY09 budget. Need $450K, all of which will need to come from O&M. The researchers need the crane; it is a critical path item for FGE. There may be the possibility of looking at cost-sharing w/CRFM. FPOM needs to continue to support TIE crane repair funding.

2007 April (MOC/MFR). [070430 BON juvenile mortalities in DSM2](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/070430%20BON%20juvenile%20mortalities%20in%20DSM2.doc)

2007 February. With the TIE crane being out of service, the project will rent a crane for the B2CC. BPA asked if the project would be able to accommodate multiple opening and closing events due to kelt passage study operations gassing the chum redds. B. Hausmann will ask the maintenance crews if the headgate is light enough for a project crane to lift or not. FPOM agreed to not having Project Biologists walk the channel every time the B2CC was closed. There has been no evidence of fish holding in the channel and flushing water is always left on for at least 30 minutes.

2005 October MOC/MFR. [051008 BON oil spill](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/051008%20BON%20oil%20spill.doc)

2003 March MOC/MFR.

[060327 BON Sturgeon](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/060327%20BON%20Sturgeon.doc)
[060317 BON 17 March 2006 sturgeon Unit 11](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/060317%20BON%2017%20March%202006%20sturgeon%20Unit%2011.doc)

2002 August (MOC/MFR). [020829 BonnFU1coordreq](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/020829%20BonnFU1coordreq.doc)

2002 January (MOC/MFR). [020104 BON Unit 17 dewater](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/020104%20BON%20Unit%2017%20dewater%20.doc)

2001 December (MOC/MFR). [011218 BON ITCmort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/011218%20BON%20ITCmort.doc)

2001 June (MOC/MFR).

[010612 BON DSM mortality investigation](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/010612%20BON%20DSM%20mortality%20investigation.doc)
[010605 BON DSM2 mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/010605%20BON%20DSM2%20mort.doc)

2001 May (MOC/MFR). [010514 BON DSM2 mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/010514%20BON%20DSM2%20mort.doc)

2001 February (MOC/MFR). [010202 BON North monolith](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/010202%20BON%20North%20monolith.doc)

1999 October (MOC/MFR). [991005 BON PH2 unit 11](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/991005%20BON%20PH2%20unit%2011.doc)

SPILLWAY

2022 July MOC/MFR [22BON038 MOC Pre-Rock Removal Hydro-Survey](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fpweb.crohms.org%2Ftmt%2Fdocuments%2FFPOM%2F2010%2FNWP%2520Memos%2520of%2520Coordination%2520and%2520Notification%2FBON%2520MOC%2520and%2520MFR%2F22BON038%2520MOC%2520Pre-Rock%2520Removal%2520Hydro-Survey.docx&wdOrigin=BROWSELINK)

2021 September MOC/MFR [21BON089 MFR No bay 1 and 18 flow](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON089%20MFR%20No%20bay%201%20and%2018%20flow.pdf)

2021 August MOC/MFR

[21BON079 MOC Spillway Gate Inspection](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fpweb.crohms.org%2Ftmt%2Fdocuments%2FFPOM%2F2010%2FNWP%2520Memos%2520of%2520Coordination%2520and%2520Notification%2FBON%2520MOC%2520and%2520MFR%2F21BON079%2520MOC%2520Spillway%2520Gate%2520Inspection.docx&wdOrigin=BROWSELINK)

[21BON075 MOC Pre-Rock Removal Hydro-Survey UPDATE](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fpweb.crohms.org%2Ftmt%2Fdocuments%2FFPOM%2F2010%2FNWP%2520Memos%2520of%2520Coordination%2520and%2520Notification%2FBON%2520MOC%2520and%2520MFR%2F21BON075%2520MOC%2520Pre-Rock%2520Removal%2520Hydro-Survey%2520UPDATE.docx&wdOrigin=BROWSELINK)

2021 February MOC/MFR [21BON002 MOC Spillway Attraction Flow Outage for Rock Removal](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON002%20MOC%20Spillway%20Attraction%20Flow%20Outage%20for%20Rock%20Removal.pdf)

2020 August MOC/MFR [20BON81 Spillway Hydro-survey](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/20BON81%20MOC%20Spillway%20Hydro%20Survey.pdf)

2020 May MOC/MFR [20BON14 MFR CI Fish Valve and Spill bay 1 2 Closure for Intake Rack Cleaning](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/20BON14%20MFR%20CI%20Fish%20Valve%20and%20Spill%20bays%201%20%202%20Closure%20for%20Intake%20Rack%20Cleaning.pdf)

2020 April MOC/MFR [20BON13 MFR Spillbay 6](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/20BON13%20MFR%20Spillbay%206.pdf)

2020 March MOC/MFR [20BON09 MOC Spillway Hydrosurvey](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/20BON09%20MOC%20Spillway%20Hydro%20Survey.pdf)

2020 January MOC/MFR. [20BON03 MOC Spill Operation for Rock Removal](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/20BON03%20MOC%20Spill%20Operation%20for%20Rock%20Removal.doc)

2019 August MOC/MFR [19BON52 MOC Spillway hydro-survey](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON52%20MOC%20Spillway%20hydro-survey.doc)

2019 May MOC/MFR [19BON06 MFR Spillbay 18 Temporary Closure](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON06%20MFR%20Spillbay%2018%20Temporary%20Closure.pdf)

2019 February MOC/MFR [19BON02 MOC Spillway Attraction Flow Outage for Rock Removal](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON02%20MOC%20Spillway%20Attraction%20Flow%20Outage%20for%20Rock%20Removal.pdf)

2018 December MOC/MFR [18BON68 MOC Spillway Attraction Flow Outage for ROV survey](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON68%20MOC%20Spillway%20Attraction%20Flow%20Outage%20for%20ROV%20survey.pdf)

2018 October MOC/MFR [18BON66 MOC Spillway Attraction Flow Outage for Hydrosurvey](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON66%20MOC%20Spillway%20Attraction%20Flow%20Outage%20for%20Hydrosurvey_.doc)

2018 September MOC/MFR [18BON62 MOC Spillbay 1 & 18 Closure for Inspections](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON62%20MOC%20Spillbay%201%20%26%2018%20Closure%20for%20Inspections.doc)

2017 December MOC/MFR [17BON75 MOC Spillway Rock Removal](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON75%20MOC%20Spillway%20Rock%20Removal.pdf)

2017 November MOC/MFR [17BON73 MFR Spillway attraction flow outage](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON73%20MFR%20Spillway%20attraction%20flow%20outage.pdf)

2017 August MOC/MFR [17BON49 Spillway Hydro survey](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON49%20MOC%20Spillway%20Hydrosurvey.pdf)

2017 April [17BON08 MFR Modification of Spill Table](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON08%20FPP17%20BON%20spill%20high%20Q.pdf)

2016 September MOC/MFR. [16BON114 MFR Spillway gill net CHK mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON114%20MFR%20Spillway%20gill%20net%20CHK%20mort.pdf)

2016 August MOC/MFR. [16BON78 MOC spill pattern change](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON78%20MOC%20spill%20pattern%20change.pdf)

2016 June MOCs/MFRs.

[16BON49 summer spill change](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON49%20summer%20spill%20change.pdf)
[16BON47 MOC B-branch erosion SONAR survey](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON47%20MOC%20B-branch%20erosion%20SONAR%20survey.pdf)
[16BON32 MFR B-branch erosion survey](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON32%20MFR%20B-branch%20erosion%20survey.pdf)
[16BON32 Attachment 1 CENWP-EC Trip Report](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON32%20Attachment%201%20CENWP-EC%20Trip%20Report.pdf)

2015 July FPOM. BON minimum spill task group created.

2014 March MOC/MFR.

[14BON05 flushing spill for bay 17](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON05%20flushing%20spill%20for%20bay%2017.pdf)

[14BON04 spill gate inspections](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON04%20spill%20gate%20inspections.pdf)

2014 March FPOM. 14BON04 spill gate inspection MOC coordination. The gate inspections have been delayed due to involuntary daytime spill. FPOM said do not inspect Bay 18 and Bay 1 at the same time. Hausmann will get the bays scheduled for earlier in the schedule.

2013 September MOC/MFR. [13BON73 BON spillway tailrace survey](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON73%20BON%20spillway%20tailrace%20survey.pdf)

**2012 October (MOC/MFR)** [12BON36 BON spillway rock removal.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON36%20BON%20spillway%20rock%20removal.doc)

2012 August.

BON Spillbay 15 hoist. Installation, with new wire ropes, during the first two weeks of September. FPOM was thrilled with the good news.

BPA’s BON PH1 open geometry request. FPOM agreed to PH2 priority, PH1, 15k spill, then back to PH1 open geometry. FPOM requested a special spill pattern for the 15k pattern. Flat spill across 18, 16, 3, 2, 1. FPOM would like the old crown pattern dating back to the early to mid 1990’s.

BON spillway repair ROV scheduled for 24 September. Requires Bay 1 closed, may require Cascades Island AWS flow be shut off for about an hour or two. FPOM not thrilled but ok with this.

**2012 July (MOC/MFR)** [12BON26 BON summer and fall operations updated.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON26%20BON%20summer%20and%20fall%20operations%20updated.doc)

2012 June. BON spillway erosion ROV. FPOM said the request could be accommodated during the season but if it can wait, then that would be better. If it can’t wait, then around 20 July would be ok.

**2012 May (MOC/MFR)**

[12BON12 BON stilling basin erosion hole repair.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON12%20BON%20stilling%20basin%20erosion%20hole%20repair.doc)

[12BON12 NOAA comments 2012 5-31 Spillway Repair.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON12%20NOAA%20comments%202012%205-31%20Spillway%20Repair.doc)

**2012 March (MOC/MFR).** [12BON07 BON flushing ops.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON07%20BON%20flushing%20ops.doc)

**2012 February (MOC/MFR).** [12BON04 dives for spillway trolley pipes.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON04%20dives%20for%20spillway%20trolley%20pipes.doc)

2012 February. FPOM has significant concerns regarding the lack of maintenance at BON and the associated risk put on fish passage and fish safety.

2012 January. FPOM requested a coordination form with all the details so they can consider what is being presented with regards to the BON Spillway stilling basin update.

2011 December. BON spillbay 1 closure for trolley pipe ROV on 15 December. Schwartz reported that the JSATS trolley pipes are in rough shape and need to be inspected. 15 December - Bay 1 closed for 1 hour for ROV trolley pipe inspection on spillway. FPOM agrees to closing the bay as late in the day as possible.

2011 November.

FPOM approved the BON spillway outage for dives/ROV, with the reduced scope as described by Rerecich. Dive only on 2 November in Bays 9, 12, 14. No closure of Bay 1.

BON fishway ops and unit operation with Washington Shore and B-branch out of service. FPOM (BPA needs to get approval still) recommends spilling flows in excess of PH1 and miscellaneous capacity during all hours from 3-13 November. Double flow from Bay 1 (go to 12”) as soon as possible. Propose changing the chum range from 11.3’ - 11.7’ to 11.3’ – 12.0’ at TMT as soon as coordinated. Coordinate a forebay soft constraint range of 73’ – 75’ msl (target 74’) as soon as possible.

FPOM approved the BON spillway outage for dives/ROV, with the reduced scope as described by Rerecich. Dive only on 2 November in Bays 9, 12, 14. No closure of Bay 1.

**2011 October (MOC/MFR).** [111025 UPDATED 110831 BON spillway tailrace survey.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/111025%20UPDATED%20110831%20BON%20spillway%20tailrace%20survey.doc)

**2011 September (MOC/MFR).** [110926 UPDATED BON tranmission line work and non-fish spill.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110926%20UPDATED%20BON%20tranmission%20line%20work%20and%20non-fish%20spill.doc)

2011 September. FPOM approved for the BON spillway survey for week of 17 October. They approved of the dive portion occurring the same week as the JDA MU1 dive.

2011 August (MOC/MFR). [110831 BON spillway tailrace survey.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110831%20BON%20spillway%20tailrace%20survey.doc)

2010 August.

BON gate repair pit outage. FPOM is in agreement with allowing work within 50’ of the fishway after fish numbers drop below 1000 per day.

BON Tailrace survey. FPOM agrees with the request to close Bays 1 and 18 when surveying those areas.

2010 June. FPOM is ok with the BON spillway gate repair pit plan and would be fine with starting as early as 2000. If there are issues with completing the work, they recommend bringing it back to FPOM.

2010 April (MOC/MFR). [100408 BON spillbay 17 setting](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/100408%20BON%20spillbay%2017%20setting.doc)

2010 March. FPOM will discuss the BON spillway basin survey further at the next meeting.

2010 January. FPOM would like a more detailed report on what is going on with the BON spill bay 15 hoist at the next FPOM meeting.

2009 September. FPOM approves the late October outage for the BON spillway survey.

2009 August.

FPOM says no to the BON spillway survey, since there are still a lot of fish passing the dam in early September.

FPOM could not come to a resolution regarding the BON Maintenance and CRITFC Treaty Fishery issue. TMT will further discuss the issues.

2009 April (MOC/MFR).

[090430 BON Bay 1 outage for CI weir](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090430%20BON%20Bay%201%20outage%20for%20CI%20weir.doc)

[090421 BON spill bays closure](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090421%20BON%20spill%20bays%20closure.doc)
[090410 BON spillbay 14](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090410%20BON%20spillbay%2014.doc)
[090402 BON bay 17 setting](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090402%20BON%20bay%2017%20setting.doc)

2009 February. FPOM would like the BON spill bay 17 gate dogged as close to the position for the 100 kcfs pattern as possible.

2008 May.

FPOM says BON spillway debris flushing is covered in the 2008 FPP Appendix A.

FPOM concurs with the urgency of the need for BON to switch out dewatering pumps in the main dam gallery. FPOM approved a 0600-1800 outage on 9 May.

2008 April. FPOM says it agrees that the 100K pattern at BON is the pattern to be used even though spill volume may be a few kcfs more or less depending on forebay elevation.

**2008 March**. FPOM says BON can close spill bays 1 and 18 and the associated main dam fishway AWS valves to accommodate spillway survey crews the week of 24-28 March. The outage should occur from 1200-1700 and the AWS outage occurs simultaneously with the adjacent spill bay.

**2008 February**. FPOM says Bonneville may go forward with the ROV/ hydro survey on 19 February.

**2007 October**. FPOM says move forward with the Bonneville spillway erosion repairs and keep this on the agenda.

2007 June. Bonneville Spillway Survey. FPOM approves shutting down spill ASAP to do the spillway survey. Dennis Schwartz called in to report that due to contracting, the outage may not occur until the first part of July, though ASAP is the target date. CRITFC and NOAA Fisheries expressed concerns about early July and would prefer either mid-June, late July or early August. UPDATE: The District and Division is working on getting approval for an outage 23-24 June.

2007 March. FPOM members agreed to the 100k pattern changes. FPOM will work with FFDRWG to get three recommendations implemented: change from 75k to 83/85k; reduce the gas cap at night; start summer spill on 21 June.

BRADFORD ISLAND FISHWAY

2022 July MOC/MFR

[22BON067 MFR BI Tube Trap Lamprey Mortality](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON067%20MFR%20BI%20Tube%20Trap%20Lamprey%20Mortality.pdf)

[22BON064 MFR BI Tube Trap Lamprey Mortality](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON064%20MFR%20BI%20Tube%20Trap%20Lamprey%20Mortality.pdf)

[22BON063 MFR BI Tube Trap Lamprey Mortality](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON063%20MFR%20BI%20Tube%20Trap%20Lamprey%20Mortality.pdf)

[22BON062 MFR BI Tube Trap Lamprey Mortality](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON062%20MFR%20BI%20Tube%20Trap%20Lamprey%20Mortality.pdf)

[22BON061 MFR BI Tube Trap Lamprey Mortality](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fpweb.crohms.org%2Ftmt%2Fdocuments%2FFPOM%2F2010%2FNWP%2520Memos%2520of%2520Coordination%2520and%2520Notification%2FBON%2520MOC%2520and%2520MFR%2F22BON061%2520MFR%2520BI%2520Tube%2520Trap%2520Lamprey%2520Mortality.docx&wdOrigin=BROWSELINK)

[22BON060 MFR BI Tube Trap Lamprey Mortality](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fpweb.crohms.org%2Ftmt%2Fdocuments%2FFPOM%2F2010%2FNWP%2520Memos%2520of%2520Coordination%2520and%2520Notification%2FBON%2520MOC%2520and%2520MFR%2F22BON060%2520MFR%2520BI%2520Tube%2520Trap%2520Lamprey%2520Mortality.docx&wdOrigin=BROWSELINK)

[22BON057 MFR BI LPS RB1 PL Mort](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fpweb.crohms.org%2Ftmt%2Fdocuments%2FFPOM%2F2010%2FNWP%2520Memos%2520of%2520Coordination%2520and%2520Notification%2FBON%2520MOC%2520and%2520MFR%2F22BON057%2520MFR%2520BI%2520LPS%2520RB1%2520PL%2520Mort.docx&wdOrigin=BROWSELINK)

[22BON045 MFR BI Tube Trap PL Mort](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fpweb.crohms.org%2Ftmt%2Fdocuments%2FFPOM%2F2010%2FNWP%2520Memos%2520of%2520Coordination%2520and%2520Notification%2FBON%2520MOC%2520and%2520MFR%2F22BON045%2520MFR%2520BI%2520Tube%2520Trap%2520PL%2520Mort.docx&wdOrigin=BROWSELINK)

[22BON043 MFR BI LPS RB1 PL Mort](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fpweb.crohms.org%2Ftmt%2Fdocuments%2FFPOM%2F2010%2FNWP%2520Memos%2520of%2520Coordination%2520and%2520Notification%2FBON%2520MOC%2520and%2520MFR%2F22BON043%2520MFR%2520BI%2520LPS%2520RB1%2520PL%2520Mort.docx&wdOrigin=BROWSELINK)

[22BON041 MFR PL Bradford Transport Mort](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fpweb.crohms.org%2Ftmt%2Fdocuments%2FFPOM%2F2010%2FNWP%2520Memos%2520of%2520Coordination%2520and%2520Notification%2FBON%2520MOC%2520and%2520MFR%2F22BON041%2520MFR%2520PL%2520Bradford%2520Transport%2520Mort.docx&wdOrigin=BROWSELINK)

[22BON036 MFR BI Tube Trap Lamprey Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON036%20MFR%20BI%20Tube%20Trap%20Lamprey%20Mort.pdf)

2022 June MOC/MFR

[22BON025 MFR BI Tube Trap Lamprey Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON025%20MFR%20BI%20Tube%20Trap%20Lamprey%20Mort.pdf)

[22BON013 MFR Bradford Island LPS Outage](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON013%20MFR%20Bradford%20Island%20LPS%20Outage.pdf)

2021 August MOC/MFR [21BON081 MFR BI LPS PL Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON081%20MFR%20BI%20LPS%20PL%20Mort.pdf)

2021 July MOC/MFR

[21BON071 MFR BI Tube Trap Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON071%20MFR%20BI%20Tube%20Trap%20Mort.pdf)

[21BON069 MFR Bradford Island Tube Trap PL Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON069%20MFR%20Bradford%20Island%20Tube%20Trap%20PL%20Mort.pdf)

[21BON063 MFR BI Tube Trap and AFF Holding Tank PL Morts](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON063%20MFR%20BI%20Tube%20Trap%20and%20AFF%20Holding%20Tank%20PL%20Morts.pdf)

[21BON059 MFR BI Tube Trap PL Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON059%20MFR%20BI%20Tube%20Trap%20PL%20Mort.pdf)

[21BON038 MFR BI-AWS Tube Trap PL Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON038%20MFR%20BI-AWS%20Tube%20Trap%20PL%20Mort.pdf)

[21BON037 MFR BI Serpentine Sockeye Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON037%20MFR%20BI%20Serpentine%20Sockeye%20Mort.pdf)

[21BON034 MFR BI-AWS LPS PL Morts](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON034%20MFR%20BI-AWS%20LPS%20PL%20Morts.pdf)

2021 June MOC/MFR [21BON19 MFR Lamprey tube trap juvenile Chinook mortality](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON19%20MFR%20Lamprey%20tube%20trap%20juvenile%20Chinook%20mortality.pdf)

**2020 May MOC/MFR** [20BON15 MOC BI Serpentine Overflow Slot Screen Removal](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/20BON15%20MOC%20BI%20Serpentine%20Overflow%20Slot%20Screen%20Removal.pdf)

**2020 April MOC/MFR** [20BON12 MFR BI Flow Reduction and ITS Closure](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/20BON12%20MFR%20BI%20Flow%20Reduction%20and%20ITS%20Closure.pdf)

**2020 March MOC/MFR** [20BON10 MOC BI Exit Dredging and Survey](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/20BON10%20MOC%20BI%20Exit%20Dredging%20and%20Survey.pdf)

**2020 February MOC/MFR.**

[20BON06 MOC BI Installation of Pucks for Lamprey](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/20BON06%20MOC%20BI%20Installation%20of%20Pucks%20for%20Lamprey.doc)

[20BON05 MOC BI Relocate Lamprey Refuge Boxes](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/20BON05%20MOC%20BI%20Relocate%20Lamprey%20Refuge%20Boxes.doc)

**2019 December MOC/MFR.**

[19BON67 MFR BI Trout Morts](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON67%20MFR%20BI%20Trout%20Morts.pdf)

[19BON66 MFR BI PL Morts](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON66%20MFR%20BI%20PL%20Morts.pdf)

**2019 November MOC/MFR.**

[19BON64 MOC Early BI Ladder Orifice Flow](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON64%20MOC%20Early%20BI%20Ladder%20Orifice%20Flow.pdf)

**2019 November FPOM.** BON will start orifice flow for the Bradford Island fish ladder on 30 November.

2019 July MOC/MFR

[19BON33 MFR BI CRITFC trap PL Morts](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON33%20MFR%20BI%20CRITFC%20Trap%20PL%20Morts.pdf)

[19BON41 MFR BI CRITFC Pot Traps PL Morts](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON41%20MFR%20BI%20CRITFC%20Pot%20traps%20PL%20Morts.pdf)

2019 June MOC/MFR

[19BON12 MFR FV4-4 Failure](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON12%20MFR%20FV4-4%20Failure.pdf)

[19BON15 MFR CRITFC Pot trap BI PL Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON15%20MFR%20CRITFC%20Pot%20trap%20BI%20PL%20Mort.pdf)

[19BON22 MFR BI CRITFC Pot Trap PL Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON22%20MFR%20BI%20CRITFC%20Pot%20Trap%20PL%20Mort.pdf)

2018 September MOC/MFR [18BON59 MFR BI PL Morts](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON59%20MFR%20%20BI%20PL%20Morts.pdf)

2018 July MOC/MFR

[18BON36 MFR PL Mort BI restbox](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON36%20MFR%20PL%20mort%20BI%20restbox.pdf)

[18BON51 MFR BI PL Morts](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON51%20MFR%20%20BI%20PL%20Morts.pdf)

2018 June MOC/MFR [18BON25 MFR PL BI LPS restbox](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON25%20MFR%20PL%20BI%20LPS%20restbox.pdf)

2018 February MOC/MFR [18BON02 Reduced Nighttime Flows for Lamprey](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON02%20MOC%20Lamprey%20Reduced%20Nighttime%20Flows%20updated%203818.pdf)

2017 November MOC/MFR [17BON71 MOC Early BI and March WA Shore Outages](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON71%20MOC%20Early%20BI%20and%20March%20WA%20SHore%20Outages.pdf)

2017 July MOC/MFR

[17BON58 MFR crowder PL morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON58%20MFR%20crowder%20PL%20morts.pdf)

[17BON54 MFR DSM PL mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON54%20MFR%20DSM%20PL%20mort.pdf)

[17BON34 MFR LPSs PL morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON34%20MFR%20LPSs%20PL%20morts.pdf)

2017 June MOC/MFR

[17BON24 MFR PL mort BI LPS grating](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON24%20MFR%20PL%20mort%20BI%20LPS%20grating.pdf)

[17BON22 MFR PL mort BI LPS](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON22%20MFR%20PL%20mort%20BI%20LPS.pdf)

2017 January MOC/MFR. [17BON02 Erosion Repair Extension Update](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON02%20MFR%20Erosion%20Repair%20Extension%20Update.pdf)

2016 September MOC/MFR

[16BON108 MOC BI erosion hydrosurvey on September 8](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON108%20MOC%20BI%20erosion%20hydrosurvey%20on%20September%208.pdf)
[16BON107 B-branch erosion repair](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON107%20B-branch%20erosion%20repair.pdf)
[16BON107 Attachment 1 Special\_Spill\_Patterns](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON107%20Attachment%201%20Special_Spill_Patterns.xlsx)
[16BON102 MFR BI Lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON102%20MFR%20BI%20PL%20morts.pdf)

2016 August MOC/MFR. [16BON92 MFR BI lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON92%20MFR%20BI%20PL%20morts.docx)

2016 July MOCs/MFRs

[16BON47 MOC B-branch erosion SONAR survey](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON47%20MOC%20B-branch%20erosion%20SONAR%20survey.pdf)

[16BON88 MFR BI lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON88%20MFR%20BI%20PL%20morts.pdf)
[16BON84 MFR BI Lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON84%20MFR%20BI%20PL%20morts.pdf)
[16BON82 MFR BI Lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON82%20MFR%20BI%20PL%20morts.pdf)
[16BON80 MFR BI Lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON80%20MFR%20BI%20PL%20morts.pdf)
[16BON77 MFR BI lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON77%20MFR%20BI%20PL%20morts.pdf)
[16BON69 MFR BI lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON69%20MFR%20BI%20PL%20morts.pdf)

2016 June MOC/MFRs.

[16BON63 MFR BI lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON63%20MFR%20BI%20lamprey%20morts.pdf)
[16BON62 MFR BI LPS lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON62%20MFR%20BI%20LPS%20PL%20morts.pdf)
[16BON47 MOC B-branch erosion SONAR survey](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON47%20MOC%20B-branch%20erosion%20SONAR%20survey.pdf)
[16BON44 MFR BI lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON44%20MFR%20BI%20PL%20morts.pdf)
[16BON35 MFR BI lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON35%20MFR%20BI%20PL%20morts.pdf)
[16BON32 MFR B-branch erosion survey](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON32%20MFR%20B-branch%20erosion%20survey.pdf)
[16BON32 Attachment 1 CENWP-EC Trip Report](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON32%20Attachment%201%20CENWP-EC%20Trip%20Report.pdf)
[16BON23 MFR BI lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON23%20MFR%20BI%20PL%20morts.pdf)

2016 June FPOM. FPOM recommends turning lights off in the BON viewing areas to assist with lamprey passage at night.

2016 January MOC/MFR.
[16BON02 MOC BI lamprey crowder mods](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON02%20MOC%20Brad%20Is%20crowder%20mods%20for%20lamprey.pdf)
[16BON01 MFR Bradford Is forebay lamprey larval survey](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON01%20MFR%20Bradford%20Is%20forebay%20lamprey%20larval%20survey.pdf)

2015 October MOC/MFR. [15BON76 BI winter maintenance two weeks early](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON76%20BI%20winter%20maintenance%20two%20weeks%20early.pdf)

2015 September MOC/MFR. [15BON75 MFR BI LPS lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON75%20MFR%20BI%20LPS_PL%20MORT.pdf)

2015 August MOC/MFR.

[15BON69 MFR BI LPS lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON69%20MFR%20BI%20LPS_PL%20MORT.pdf)
[15BON66 MFR BI lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON66%20MFR%20BI%20PL%20MORTS.pdf)
[15BON59 MFR BI lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON59%20MFR%20BI%20PL%20MORTS.pdf)

2015 July MOC/MFR.

[15BON52 MFR BI lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON53%20MFR%20BI%20PL%20MORT.pdf)
[15BON50 B-branch entrance gate removal](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON50%20B-branch%20entrance%20gate%20removal.pdf)
[15BON47 MFR BI AWS crowder LPS lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON47%20MFR%20BI%20AWS%20crowder%20LPS%202PL.pdf)
[15BON35 MFR BI crowder lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON35%20MFR%20BI%20Crowder%20PL%20MORTS.pdf)

2015 June MOC/MFR.

[15BON27 MFR BI lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON27%20MFR%20BI%20%20PL%20MORTS.pdf)
[15BON15 MFR BI lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON15%20MFR%20BI%20LPS%20MORT.pdf)

2015 February MOC/MFR. [15BON01 Univ. Idaho BI serpentine section hydraulic analysis](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON01%20BI%20Serpentine%20Section%20Hydraulic%20Analysis1%20UI%20Revised.pdf)

2014 December MOC/MFR [14BON81 MFR BI Bridge overlay follow-on](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON81%20MFR%20BI%20Bridge%20overlay%20follow-on.pdf)

2014 October MOC/MFR

[14BON77 UI testing request](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON77%20UI%20testing%20request.pdf)
[14BON77 UI testing request addendum](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON77%20UI%20testing%20request%20addendum.pdf)

2014 September MOCs/MFRs [14BON65 MFR BON BI Chinook mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON65%20MFR%20BON%20BI%20CHK%20MORT.pdf)

2014 August MOCs/MFRs [14BON54 BI Serpentine Underwater video](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON54%20BI%20Serpentine%20Underwater%20Video.pdf)

2014 July MOC/MFRs [14BON27 MFR BI LPS lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON27%20MFR%20BON%20BI%20LPS%20PL%20MORT.pdf)

2014 February MOCs and MFRs.

[14BON03 BI serpentine underwater video](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON03%20BI%20serpentine%20Underwater%20video.pdf)
[14BON01 BI Lamprey wetted wall](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON01%20BI%20Lamprey%20wetted%20wall.pdf)

2013 August MOC/MFR. [13BON64 MFR BON AFF Chinook and BI lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON64%20MFR%20BON%20AFF%20CHN%20and%20BI%20PL%20MORT.pdf)

2013 June MOC/MFR. [13BON22 MFR BON BI LPS mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON22%20MFR%20BON%20BI%20LPS%20MORT.pdf)

**2013 June FFDRWG.** BON WS Lamprey flume repairs. FFDRWG stressed that Bradford Island winter maintenance shall not be impacted.

**2013 May MOC/MFR.** [13BON06 CI Fishway noise issue](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON06%20CI%20fishway%20noise%20issue.doc)

2012 December. FPOM says ok to BON switching fish counting lights to LED as long as the lights are similar to what is there.

2012 September. BON B-Branch condition and plan of action. Due to a failed FV4-4, there is structural risk to the AWS conduit and the B-branch fishway is not meeting FPP criteria. The Project requests concurrence to dewater the B-Branch fishway (leaving A-branch in operation and FPP criteria) to make repairs to FV4-4. The fishway would be taken to orifice flow (and fish flushed out of the fishway) the week of 24 September. BON Maintenance would pump the entrance dry the week of 1 October, remove the valve, get engineers to examine the valve and propose a solution, and then make the repairs. An ETA won’t be known until after the valve has been removed and engineers can take a look at it. FPOM says get it done as soon as possible.

2012 February. FPOM has significant concerns regarding the lack of maintenance at BON and the associated risk put on fish passage and fish safety.

2012 January. During the BI exit dredging, the ITS gates north of the wing wall need to be closed. FPOM tentatively agreed to this.

2011 November.

BON fishway ops and unit operation with Washington Shore and B-branch out of service. FPOM (BPA needs to get approval still) recommends spilling flows in excess of PH1 and miscellaneous capacity during all hours from 3-13 November. Double flow from Bay 1 (go to 12”) as soon as possible. Propose changing the chum range from 11.3’ - 11.7’ to 11.3’ – 12.0’ at TMT as soon as coordinated. Coordinate a forebay soft constraint range of 73’ – 75’ msl (target 74’) as soon as possible.

**2011 September (MOC/MFR).**

[110923 BON B-branch diffuser pool fish salvage.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110923%20BON%20B-branch%20diffuser%20pool%20fish%20salvage.doc)

[110920 BON B-branch and WS fishway emergency dewater and repair.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110920%20BON%20B-branch%20and%20WS%20fishway%20emergency%20dewater%20and%20repair.doc)

[110919 BON B-branch emergency dewater.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110919%20BON%20B-branch%20emergency%20dewater.doc)

2011 June (MOC/MFR).

[110630 BON BI Picket lead Sockeye mort.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110630%20BON%20BI%20Picket%20lead%20Sockeye%20mort%20.doc)

[110629 BON BI AWS emergency fish salvage.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110629%20BON%20BI%20AWS%20emergency%20fish%20salvage.doc)

2011 January. FPOM says they need more detail on the JSATS proposal for installation and testing at BON Cascades Island, Washington Shore and Bradford Island.

2010 December. FPOM says tuff boom debris screens are fine for the AWS intakes but not for the fish exits at BON.

2010 October (MOC/MFR) [101016 BON BI CO mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/101016%20BON%20BI%20CO%20mort.doc)

2010 September (MOC/MFR) [100915 BI STHD mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/100915%20BI%20STHD%20mort.doc)

2009 October (MOC/MFR) [091013 BON BI CH mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/091013%20BON%20BI%20CH%20mort.doc)

2009 October. FPOM wants BON Fisheries to investigate further the jumping fish at the PIT tag detectors. Barriers should be installed and sharp edges should be covered.

2009 August (MOC/MFR) [090831 BON temperature probes](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090831%20BON%20temperature%20probes.doc)

2009 June. FPOM approves moving forward with testing the BON fish view lights in October.

2008 December (MOC/MFR)

[081211 BON BI exit trashrack](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/081211%20BON%20BI%20exit%20trashrack.doc)
[081202 BON Bradford Island dewater plan](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/081202%20BON%20Bradford%20Island%20dewater%20plan.doc)

**2008 September**. FPOM approved allowing the BON BI junction pool transformer pad contractor to begin work at 1800 on 15 October.

**2008 August**.

FPOM approves lowering the Bradford Island ladder on 18 August to get the metal off the fish crowder.

FPOM did not approve the Bradford Island transformer pad during this time of year. They recommended all noisy work be done in one night or the contractor can start working in November or winter maintenance season.

**2008 June**. FPOM approved the plan to dredge the BI exit in FY10 and every six years after.

2005 October MOC/MFR. [051008 BON oil spill](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/051008%20BON%20oil%20spill.doc)

2000 September MOC/MFR. [000908 BON BI ladder](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/000908%20BON%20BI%20ladder.doc)

CASCADES ISLAND FISHWAY

2022 July MOC/MFR

[22BON053 MFR CI LPS RB4 PL Mort](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fpweb.crohms.org%2Ftmt%2Fdocuments%2FFPOM%2F2010%2FNWP%2520Memos%2520of%2520Coordination%2520and%2520Notification%2FBON%2520MOC%2520and%2520MFR%2F22BON053%2520MFR%2520CI%2520LPS%2520RB4%2520PL%2520Mort.docx&wdOrigin=BROWSELINK)

[22BON048 MFR CI LPS RB3 Lamprey Mort](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fpweb.crohms.org%2Ftmt%2Fdocuments%2FFPOM%2F2010%2FNWP%2520Memos%2520of%2520Coordination%2520and%2520Notification%2FBON%2520MOC%2520and%2520MFR%2F22BON048%2520MFR%2520CI%2520LPS%2520RB3%2520Lamprey%2520Mort.docx&wdOrigin=BROWSELINK)

[22BON031 MFR CI LPS Lamprey Mortality](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON031%20MFR%20CI%20LPS%20Lamprey%20Mortality.pdf)

2022 June MOC/MFR [22BON018 MFR CI Lamprey Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON018%20MFR%20CI%20Lamprey%20Mort.pdf)

2021 July MOC/MFR

[21BON048 MFR CI Tube Trap PL Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON048%20MFR%20CI%20Tube%20Trap%20PL%20Mort.pdf)

[21BON031 MFR Cascades Island LPS PL Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON031%20MFR%20Cascades%20Island%20LPS%20PL%20Mort.pdf)

2020 August MOC/MFR [20BON84 MFR CI LPS PL Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/20BON84%20MFR%20CI%20LPS%20PL%20Mort.pdf)

2020 July MOC/MFR

[20BON37 MFR CI LPS PL Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/20BON37%20MFR%20CI%20LPS%20PL%20Mort.pdf)

[20BON29 MFR CI LPS PL Morts](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/20BON29%20MFR%20CI%20LPS%20PL%20Morts.pdf)

2020 June MOC/MFR [20BON21 MFR CI LPS PL Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/20BON21%20MFR%20CI%20LPS%20PL%20Mort.pdf)

2020 May MOC/MFR [20BON14 MFR CI Fish Valve and Spill bay 1 2 Closure for Intake Rack Cleaning](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/20BON14%20MFR%20CI%20Fish%20Valve%20and%20Spill%20bays%201%20%202%20Closure%20for%20Intake%20Rack%20Cleaning.pdf)

2020 February MOC/MFR [20BON04 MOC Cascade Island lamprey trap location](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/20BON04%20MOC%20Cascade%20Island%20lamprey%20trap%20location.pdf)

2019 October MOC/MFR

[19BON62 MOC CI ladder dewatering for PIT work](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON62%20MOC%20CI%20ladder%20dewatering%20for%20PIT%20work.doc)

[19BON62 CI IT Outage work additional document](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON62%20CI%20IT%20Outage%20work%20additional%20document.pdf)

2019 July MOC/MFR

[19BON31 MOC CRITFC LPS Collection](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON31%20MOC%20CRITFC%20LPS%20Collection.doc)

2019 June MOC/MFR

[19BON14 MFR CI LPS PL Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON14%20MFR%20CI%20LPS%20PL%20Mort.pdf)

[19BON18 MOC Cascade Island Subsidence Project](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON18%20MOC%20Cascade%20Island%20Subsidence%20Project.doc)

2018 September MOC/MFR

[18BON60 MFR PL mort CI RB3](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON60%20MFR%20PL%20mort%20CI%20RB3.pdf)

[18BON63 MFR CI PL Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON63%20MFR%20CI%20PL%20Mort.pdf)

2018 August MOC/MFR [18BON56 MFR CI upper ladder lamprey morts](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON56%20MFR%20CI%20upper%20ladder%20lamprey%20morts.pdf)

2018 June MOC/MFR

[18BON14 MFR CI LPS lamprey morts](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON14%20MFR%20CI%20LPS%20lamprey%20morts.pdf)

[18BON15 MFR CI PL Morts](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON15%20MFR%20CI%20PL%20Morts.pdf)

[18BON18 MFR CI PL Morts](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON18%20MFR%20CI%20PL%20Morts.pdf)

2018 May MOC/MFR

[18BON07 MFR CI PL mortalities](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON07%20MFR%20CI%20PL%20mort.pdf)

[18BON10 MFR CI PL mortalities](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON10%20MFR%20CI%20PL%20Mort.pdf)

2017 October MOC/MFR [17BON69 MFR CI Bridge De-rated](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON69%20MFR%20CI%20Bridge%20De-rated.pdf)

2017 July MOC/MFR [17BON56 MFR PL mort CI LPS](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON56%20MFR%20PL%20mort%20CI%20LPS.pdf)

2017 June MOC/MFR [17BON14 Lamprey Mort CI LPS](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON14%20MFR%20Lamprey%20Mort%20CI%20LPS.pdf)

2017 May MOC/MFR [17BON09 MOC CI subsidence interim repairs](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON09%20MOC%20CI%20subsidence%20interim%20repairs.pdf)

2017 February MOC/MFR

[17BON03 MOC CI Entrance Repairs](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON03%20MOC%20CI%20Entrance%20Repairs.pdf)

[17BON01 MFR CI ROV](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON01%20MFR%20CI%20ROV.pdf)

2016 September MOC/MFR

[16BON105 MFR CI Lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON105%20MFR%20CI%20PL%20mort.pdf)
[16BON104 MFR CI Lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON104%20MFR%20CI%20PL%20mort.pdf)
[16BON100 MFR CI Lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON100%20MFR%20CI%20PL%20mort.pdf)

2016 August MOC/MFR

[16BON86 MFR CI Lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON86%20MFR%20CI%20PL%20mort.pdf)
[16BON83 MFR CI Lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON83%20MFR%20CI%20PL%20mort.pdf)

2016 July MOCs/MFRs

[16BON73 MFR CI lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON73%20MFR%20CI%20PL%20mort.pdf)
[16BON31 MOC CI survey markers](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON31%20MOC%20CI%20survey%20markers.pdf)

2016 June MOCs/MFRs.

[16BON61 MFR CI Lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON61%20MFR%20CI%20PL%20morts.pdf)
[16BON54 MFR CI Lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON54%20MFR%20CI%20PL%20mort.pdf)
[16BON46 MFR CI Lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON46%20MFR%20CI%20PL%20mort.pdf)
[16BON43 MFR CI Lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON43%20MFR%20CI%20PL%20mort.pdf)
[16BON38 MFR CI Lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON38%20MFR%20CI%20PL%20mort.pdf)
[16BON33 MFR CI lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON33%20MFR%20CI%20PL%20mort.pdf)
[16BON31 MOC CI survey markers](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON31%20MOC%20CI%20survey%20markers.pdf)
[16BON31 attachment 1 survey markers\_REC\_CATX](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON31%20attachment%201%20survey%20markers_REC_CATX.docx)

[16BON31 attachment 1 2016-07-08 REC CI Fishway Survey Markers](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON31%20attachment%201%202016-07-08%20REC%20CI%20Fishway%20Survey%20Markers.pdf)

[16BON28 MFR CI lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON28%20MFR%20CI%20PL%20mort.pdf)
[16BON26 MFR CI lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON26%20MFR%20CI%20PL%20mort.pdf)
[16BON21 MFR CI lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON21%20MFR%20CI%20PL%20mort.pdf)

2016 February MOC/MFR. [16BON05 MOC Spillway ROV](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON05%20MOC%20Bonneville%20Spillway%20ROV.pdf)

2015 November FPOM.

FPOM concurred with raising the BON forebay to find an upper limit for when WS is isolated from CI.

BON CI subsidence. FPOM would like this to be a regular update at each meeting. FPOM did not make a recommendation as to whether or not BO2 needs to continue to be available for PIT tag detections. That decision is for the fish managers.

2015 October MOC/MFR.

[15BON84 CI fish valves repairs](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON84%20CI%20fish%20valves%20repairs.pdf)
[15BON83 CI subsidence investigation](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON83%20CI%20subsidence%20investigation.pdf)

[15BON76 BI winter maintenance two weeks early](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON76%20BI%20winter%20maintenance%20two%20weeks%20early.pdf)

2015 August MOC/MFR. [15BON67 MFR CI lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON67%20MFR%20CI%20PL%20MORTS.pdf)

2015 July MOC/MFR. [15BON33 MFR CI lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON33%20MFR%20CI%20PL%20mort.pdf)

2015 June MOC/MFR.

[15BON29 MFR CI count station lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON29%20MFR%20CI%20CS%20PL.pdf)

[15BON19 MFR CI lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON19%20MFR%20PL%20CI%20MORT.pdf)
[15BON17 CI lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON17%20MFR%20PL%20CI%20MORT.pdf)

2015 May MOC/MFR

[15BON03 MFR BON CI FV5-4](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON03%20MFR%20BON%20CI%20FV5-4.pdf)
[15BON03 MFR Attachment 1 M-5-25\_3](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON03%20MFR%20Attachment%201%20M-5-25_3.pdf)

2014 December FPOM

BON CI picket leads. Fredricks said there is more head loss than he would like to see. Hausmann said the back panels could be removed and stored elsewhere. FPOM felt that might be something to look into.

2014 September MOC/MFR

[14BON74 MFR CI AWS trap lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON74%20MFR%20BON%20CI%20AWS%20TRAP%20PL%20MORT.pdf)
[14BON69 MFR BON CI LPS lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON69%20MFR%20BON%20CI%20LPS%20PL%20MORT.pdf)

2014 September MOCs/MFRs

[14BON64 MFR BON CI LPS lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON64%20MFR%20BON%20CI%20LPS%20PL%20MORT.pdf)
[14BON60 MFR CI LPS lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON60%20MFR%20CI%20LPS%20PL%20MORT.pdf)

2014 August MOCs/MFRs

[14BON53 MFR CI lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON53%20MFR%20CI%20PLS%20PL%20MORT.pdf)
[14BON50 MFR CI LPS lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON50%20MFR%20CI%20LPS%20PL%20MORT.pdf)

2014 July MOC/MFRs.
[14BON46 MFR BON CI lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON46%20MFR%20CI%20PLS%20PL%20MORT.pdf)
[14BON44 MFR BON CI lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON44%20MFR%20BON%20CI%20PL%20MORT.pdf)
[14BON37 MFR BON CI lamprey and sockeye morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON37%20MFR%20BON%20CI%20PL%20SOC%20MORTS.pdf)
[14BON36 MFR BON CI fish salvage](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON36%20MFR%20BON%20CI%20fish%20salvage.pdf)

2014 June MOC/MFRs. [14BON15 CI lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON15%20MFR%20BON%20CI%20PL%20MORT.pdf)

2014 March MOC/MFR. [14BON06 CI TDG sensor replacement](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON06%20CI%20TDG%20sensor%20replacement.pdf)

2013 September MOC/MFR

[13BON73 BON spillway tailrace survey](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON73%20BON%20spillway%20tailrace%20survey.pdf)

[13BON65 CI FG6-18 cover replacement](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON65%20CI%20FG6-18%20cover%20replacement.pdf)

2013 July MOC/MFR

[13BON50 MFR BON AFF and CI lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON50%20MFR%20BON%20AFF%20and%20CI%20PL%20MORT.pdf)
[13BON43 MFR BON CI lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON43%20MFR%20BON%20Casc%20Is%20PL%20MORT.pdf)
[13BON36 MFR BON CI lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON36%20MFR%20BON%20CI%20PL%20MORT.pdf)
[13BON33 MFR BON CI lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON33%20MFR%20BON%20CI%20PL%20MORT.pdf)

2013 June MOC/MFR.

[13BON26 MFR BON CI emergency partial dewater](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON26%20MFR%20CI%20emergency%20partial%20dewater%20for%20sockeye.pdf)
[13BON24 MFR BON CI lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON24%20MFR%20BON%20CI%20Lamprey%20mort.pdf)
[13BON23 MFR BON CI lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON23%20MFR%20BON%20CI%20PL%20MORT.pdf)
[13BON21 MFR BON CI lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON21%20MFR%20BON%20CI%20PL%20MORT.pdf)

**2013 May MOC/MFR.** [13BON06 CI Fishway noise issue](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON06%20CI%20fishway%20noise%20issue.doc)

2012 December. FPOM says ok to BON switching fish counting lights to LED as long as the lights are similar to what is there.

**2012 July (MOC/MFR).**

[12BON25 MFR 120706 BON CI lamprey mort.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON25%20MFR%20120706%20BON%20CI%20lamprey%20mort.doc)

[12BON23 MFR BON LPS lamprey mort.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON23%20MFR%20BON%20LPS%20lamprey%20mort.doc)

2012 February. FPOM has significant concerns regarding the lack of maintenance at BON and the associated risk put on fish passage and fish safety.

2011 November.

BON fishway ops and unit operation with Washington Shore and B-branch out of service. FPOM (BPA needs to get approval still) recommends spilling flows in excess of PH1 and miscellaneous capacity during all hours from 3-13 November. Double flow from Bay 1 (go to 12”) as soon as possible. Propose changing the chum range from 11.3’ - 11.7’ to 11.3’ – 12.0’ at TMT as soon as coordinated. Coordinate a forebay soft constraint range of 73’ – 75’ msl (target 74’) as soon as possible.

2011 July MOC/MFR. [110718 BON Collection of lamprey CI exit box](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110718%20BON%20Collection%20of%20lamprey%20CI%20exit%20box.doc)

2011 January (MOC/MFR)

[110125 BON Fishway JSATS tests](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110125%20BON%20Fishway%20JSATS%20tests.doc)

[110110 BON WA Shore and Cascades Island DIDSON work](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110110%20BON%20WA%20Shore%20and%20Cascades%20Island%20DIDSON%20work.doc)

2011 January.

FPOM says they need more detail on the JSATS proposal for installation and testing at BON Cascades Island, Washington Shore and Bradford Island.

FPOM says they need more detail of the DIDSON installation and activity proposed for BON Cascades Island and Washington Shore.

2010 October (MOC/MFR). [101008 BON Fishway JSATS tests](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/101008%20BON%20Fishway%20JSATS%20tests.doc)

2010 July. FPOM begrudgingly agrees to extend the date to 31 August as long as the work closest to the fishway is completed as soon as possible.

2010 January. FPOM has no concern about the fish passage implications of the TDG at BON Cascades Island.

2009 December. FPOM recommends that the BON TDG at Cascades Island issue be moved to FFDRWG.

2009 September. FPOM says ok for the CI velocity measurements to occur during the same day as the BON spill survey. More details will be provided at the October FPOM.

2009 August (MOC/MFR) [090831 BON temperature probes](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090831%20BON%20temperature%20probes.doc)

2009 July (MOC/MFR). [090728 BON CI Lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090728%20BON%20CI%20Lamprey%20mort.doc)

2009 May. BON potable water pipe installation over Cascades Island fishway. FPOM is ok with the work occurring at night from 8 until 12 June.

2009 April (MOC/MFR). [090430 BON Bay 1 outage for CI weir](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090430%20BON%20Bay%201%20outage%20for%20CI%20weir.doc)

2009 April. FPOM didn’t have any issues with moving the Cascades Island entrance weir installation to 4 May instead of 6 May.

2009 March (MOC/MFR). [090303 BON geotechnical drilling at CI](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090303%20BON%20geotechnical%20drilling%20at%20CI.doc)

2009 March. FPOM says USACE should have drilled the holes closer to the CI fishway earlier. They will agree to allow the drilling now, as long as it occurs at night and is completed prior to the beginning of spill.

2009 January (MOC/MFR). [090123 BON CI dewatered STHD and sturgeon](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090123%20BON%20CI%20dewatered%20STHD%20and%20sturgeon.doc)

2008 July (MOC/MFR). [080714 BON CI sockeye](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/080714%20BON%20CI%20sockeye.doc)

**2008 July**. FPOM says open the Cascades Island fishway exit, but not the pickets, and let the sockeye move out on their own.

2005 April (MOC/MFR). [050413 BON CI fish rescue](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/050413%20BON%20CI%20fish%20rescue.doc)

2005 October MOC/MFR. [051008 BON oil spill](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/051008%20BON%20oil%20spill.doc)WASHINGTON SHORE FISHWAY

2022 July MOC/MFR

[22BON049 MFR WA LPS AWS RB1 PL Mort](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fpweb.crohms.org%2Ftmt%2Fdocuments%2FFPOM%2F2010%2FNWP%2520Memos%2520of%2520Coordination%2520and%2520Notification%2FBON%2520MOC%2520and%2520MFR%2F22BON049%2520MFR%2520WA%2520LPS%2520AWS%2520RB1%2520PL%2520Mort.docx&wdOrigin=BROWSELINK)

[22BON047 MFR WA LPS RB1 UMTJ PL Mort](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fpweb.crohms.org%2Ftmt%2Fdocuments%2FFPOM%2F2010%2FNWP%2520Memos%2520of%2520Coordination%2520and%2520Notification%2FBON%2520MOC%2520and%2520MFR%2F22BON047%2520MFR%2520WA%2520LPS%2520RB1%2520UMTJ%2520PL%2520Mort.docx&wdOrigin=BROWSELINK)

[22BON040 MFR WA-UMTJ LPS RB2 PL Mort](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fpweb.crohms.org%2Ftmt%2Fdocuments%2FFPOM%2F2010%2FNWP%2520Memos%2520of%2520Coordination%2520and%2520Notification%2FBON%2520MOC%2520and%2520MFR%2F22BON040%2520MFR%2520WA-UMTJ%2520LPS%2520RB2%2520PL%2520Mort.docx&wdOrigin=BROWSELINK)

[22BON034 MFR WA LPS RB1 PL Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON034%20MFR%20WA%20LPS%20RB1%20PL%20Mort.pdf)

[22BON032 MFR PL WA Tube Trap Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON032%20MFR%20PL%20WA%20Tube%20Trap%20Mort.pdf)

[22BON028 MFR WA LPS RB2 PL Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON028%20MFR%20WA%20LPS%20RB2%20PL%20Mort.pdf)

2022 June MOC/MFR

[22BON019 MFR LFS Shut down](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON019%20MFR%20LFS%20Shut%20down.pdf)

[22BON016 MFR LFS Mortalities](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON016%20MFR%20LFS%20Mortalities.pdf)

[22BON014 MFR Emergency WA Shore LPS Dewatering with AAR](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON014%20MFR%20Emergency%20WA%20Shore%20LPS%20Dewatering%20with%20AAR.pdf)

2021 September MOC/MFR

[21BON085 MFR WA Shore Tube Trap PL Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON085%20MFR%20WA%20Shore%20Tube%20Trap%20PL%20Mort.pdf)

[21BON084 MFR WA AWS LPS RB1 PL Mortality](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON084%20MFR%20WA%20AWS%20LPS%20RB1%20PL%20Mortality.pdf)

2021 August MOC/MFR [21BON074 MFR WA Shore LPS PL Morts](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON074%20MFR%20WA%20Shore%20LPS%20PL%20Morts.pdf)

2021 July MOC/MFR

[21BON058 MFR WA Shore Tube Trap and AFF Holding Tank PL Morts](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON058%20MFR%20WA%20Shore%20Tube%20Trap%20and%20AFF%20Holding%20Tank%20PL%20Morts.pdf)

[21BON057 MFR WA-UMTJ LPS PL Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON057%20MFR%20WA-UMTJ%20LPS%20PL%20Mort.pdf)

[21BON056 MFR WA-AWS LPS PL Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON056%20MFR%20WA-AWS%20LPS%20PL%20Mort.pdf)

[21BON053 MFR WA-AWS LPS PL Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON053%20MFR%20WA-AWS%20LPS%20PL%20Mort.pdf)

[21BON049 MFR WA-AWS LPS PL Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON049%20MFR%20WA-AWS%20LPS%20PL%20Mort.pdf)

[21BON045 MFR WA-AWS LPS PL Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON045%20MFR%20WA-AWS%20LPS%20PL%20Mort.pdf)

[21BON035 MFR WA-AWS LPS PL Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON035%20MFR%20WA-AWS%20LPS%20PL%20Mort.pdf)

[21BON033 MFR WA-AWS LPS PL Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON033%20MFR%20WA-AWS%20LPS%20PL%20Mort.pdf)

[21BON032 MFR WA Shore LPS PL Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON032%20MFR%20WA%20Shore%20LPS%20PL%20Mort.pdf)

[21BON030 MFR WA Shore LPS PL Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON030%20MFR%20WA%20Shore%20LPS%20PL%20Mort.pdf)

[21BON027 MFR WA Shore PL Morts](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON027%20MFR%20WA%20Shore%20PL%20Morts.pdf)

2021 June MOC/MFR

[21BON020 MFR WA Shore LPS PL Mortalities](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON020%20MFR%20WA%20Shore%20LPS%20PL%20Mortalities.pdf)

[21BON017 MFR WA Shore LPS PL Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON017%20MFR%20WA%20Shore%20LPS%20PL%20Mort.pdf)

[21BON016 MFR WA Shore PL Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON016%20MFR%20WA%20Shore%20PL%20Mort.pdf)

2020 December MOC/MFR [20BON103 MFR WA Shore Steelhead mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/20BON103%20MFR%20WA%20Shore%20Steelhead%20mort.pdf)

2020 September MOC/MFR [20BON93 MFR WA AWS LPS PL Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/20BON93%20MFR%20WA%20AWS%20LPS%20PL%20Mort.pdf)

2020 July MOC/MFR

[20BON66 MFR WA LPS PL Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/20BON66%20MFR%20WA%20LPS%20PL%20Mort.pdf)

[20BON60 MFR WA LPS PL Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/20BON60%20MFR%20WA%20LPS%20PL%20Mort.pdf)

[20BON45 MFR WA LPS PL Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/20BON45%20MFR%20WA%20LPS%20PL%20Mort.pdf)

[20BON34 MFR WA AWS LPS PL Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/20BON34%20MFR%20WA%20AWS%20LPS%20PL%20Mort.pdf)

2020 June MOC/MFR [20BON16 MOC Mid-Season WA SH ROV Inspection Date Change](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/20BON16%20MOC%20Mid-Season%20WA%20SH%20ROV%20Inspection%20Date%20Change.doc)

2019 November MOC/MFR

[19BON63 MFR PH2 LFS ROV inspection](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON63%20MFR%20PH2%20LFS%20ROV%20inspection.pdf)

2019 September MOC/MFR

[19BON59 MFR WA LPS PL Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON59%20MFR%20WA%20LPS%20PL%20Mort.pdf)

2019 August MOC/MFR

[19BON48 MFR WA LPS PL Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON48%20MFR%20WA%20LPS%20PL%20Mort.pdf)

[19BON49 MFR WA AWS LPS PL Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON49%20MFR%20WA%20AWS%20LPS%20PL%20Mort.pdf)

2019 July MOC/MFR

[19BON24 WA LPS PL Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON24%20WA%20LPS%20PL%20Mort.pdf)

[19BON38 MFR WA LPS PL Morts](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON38%20MFR%20WA%20LPS%20PL%20Morts.pdf)

[19BON45 MFR WA AWS LPS PL Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON45%20MFR%20WA%20AWS%20LPS%20PL%20Mort.pdf)

2019 May MOC/MFR [19BON04 MOC Adult lamprey study RT antenna install](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON04%20MOC%20Adult%20lamprey%20Study%20RT%20antenna%20install.doc)

2018 July MOC/MFR

[18BON27 MFR WA SHORE PL Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON27%20MFR%20%20WA%20SHORE%20PL%20Mort.pdf)

[18BON33 MFR PL mort WA-AWS restbox](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON33%20MFR%20PL%20mort%20WA-AWS%20restbox.pdf)

[18BON34 MFR PL Mort WA-UMTJ](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON34%20MFR%20PL%20Mort%20WA-UMTJ.pdf)

[18BON37 MFR PL Mort WA AWS restbox](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON37%20MFR%20PL%20Mort%20WA%20AWS%20restbox.pdf)

[18BON38 MFR PL Morts WA-UMTJ](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON38%20MFR%20PL%20Morts%20WA-UMTJ.pdf)

[18BON40 MFR PL Mort WA-AWS](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON40%20MFR%20PL%20Mort%20WA-AWS.pdf)

[18BON42 MFR PL mort WA SH AWS restbox](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON42%20MFR%20PL%20mort%20WA%20SH%20AWS%20restbox.pdf)

[18BON43 MFR PL Mort WA UMTJ restbox](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON43%20MFR%20PL%20mort%20WA%20UMTJ%20restbox.pdf)

[18BON44 MFR PL mort WA picket leads](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON44%20MFR%20PL%20mort%20WA%20picket%20leads.pdf)

[18BON45 MFR PL Morts WA-AWS restbox](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON45%20MFR%20PL%20Morts%20WA-AWS%20restbox.pdf)

[18BON46 MFR PL mort WA UMTJ restbox](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON46%20MFR%20PL%20mort%20WA%20UMTJ%20restbox.pdf)

2018 June MOC/MFR

[18BON23 MFR PL Mort WA-AWS restbox](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON23%20MFR%20PL%20Mort%20WA-AWS%20restbox.pdf)

[18NON24 MFR PL Morts WA-UMTJ restbox](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON24%20MFR%20PL%20morts%20WA-UMTJ%20restbox.pdf)

2018 May MOC/MFR [18BON12 MFR WA SH AWS LPS PL Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON12%20MFR%20WA%20SH%20AWS%20LPS%20PL%20Mort.pdf)

2018 April MOC/MFR [18BON03 MOC WA SH Plunge Box Installation](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON03%20MOC%20WA%20Shore%20Plunge%20Box%20Installation%20Updated%204918.pdf)

2017 November MOC/MFR [17BON74 MOC WA Shore outage](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON74%20MOC%20WA%20Shore%20outage.pdf)

2017 October MOC/MFR

[17BON68 MOC PH2 Non Routine November Outage](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON68%20MOC%20PH2%20Non%20Routine%20November%20Outage.pdf)

2017 August MOC/MFR

[17BON60 MFR PL WA Shore Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON60%20MFR%20PL%20WA%20Shore%20Mort.pdf)

2017 July MOC/MFR

[17BON59 MOC WA Shore LPS Flow Sensors Retrofit](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON59%20MOC%20WA%20Shore%20LPS%20Flow%20Sensors%20Retrofit.pdf)

[17BON58 MFR crowder PL morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON58%20MFR%20crowder%20PL%20morts.pdf)

[17BON53 MFR WA SHORE SOC morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON53%20MFR%20WA%20SHORE%20SOC%20morts.pdf)

[17BON50 MFR PL WA Shore Morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON50%20MFR%20PL%20WA%20Shore%20Morts.pdf)

[17BON47 MFR LPS PL Morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON47%20MFR%20LPS%20PL%20Morts.pdf)

[17BON46 MFR PL WA Shore Mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON46%20MFR%20PL%20WA%20Shore%20Mort.pdf)

[17BON34 MFR LPSs PL morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON34%20MFR%20LPSs%20PL%20morts.pdf)

[17BON32 MFR WA SHORE PL morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON32%20MFR%20WA%20SHORE%20PL%20morts.pdf)

2017 June MOC/MFR

[17BON23 MFR PL mort WA shore UMTJ LPS](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON23%20MFR%20PL%20mort%20WA%20shore%20UMTJ%20LPS.pdf)

[17BON19 MFR - WA AWS LPS - PL morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON19%20MFR%20-%20WA%20AWS%20LPS%20-%20PL%20morts.pdf)

[17BON16 MFR WA AWS LPS MODS](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON16%20MFR%20WA%20AWS%20LPS%20MODS.pdf)

2016 September MOC/MFR

[16BON109 MFR Sealion in Washington Shore fishway](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON109%20MFR%20Sealion%20in%20WA%20SH%20FL.pdf)
[16BON101 MFR WA AWS LPS Lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON101%20MFR%20WA%20AWS%20LPS%20PL%20mort.pdf)
[16BON99 MFR WA AWS LPS Lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON99%20MFR%20WA%20AWS%20LPS%20PL%20mort.pdf)
[16BON98 MFR WA AWS LPS Lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON98%20MFR%20WA%20AWS%20LPS%20PL%20mort.pdf)

2016 August MOC/MFR

[16BON91 MFR WA shore exit closure](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON91%20MFR%20WA%20shore%20exit%20closure.pdf)
[16BON89 MFR WA SHORE DSM lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON89%20MFR%20WA%20SHORE%20DSM%20PL%20mort.pdf)

2016 July MOCs/MFRs

[16BON72 MFR WA SHORE sockeye and lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON72%20MFR%20WA%20SHORE%20SOC%20PL%20mort.pdf)
[16BON68 MFR WA Shore sockeye mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON68%20MFR%20WA%20SHORE%20SOC%20mort.pdf)

2016 June MOCs/MFRs.

[16BON65 MFR WA Shore LPS lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON65%20MFR%20WA%20SHORE%20LPS%20lamprey%20mort.pdf)
[16BON60 MFR WA Shore sockeye mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON60%20MFR%20WA%20SHORE%20SOC%20mort.pdf)
[16BON57 MFR WA SHORE lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON57%20MFR%20WA%20SHORE%20PL%20morts.pdf)
[16BON56 MFR WA Shore sockeye mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON56%20MFR%20WA%20SHORE%20SOC%20mort.pdf)
[16BON55 MFR WA SHORE lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON55%20MFR%20WA%20SHORE%20PL%20mort.pdf)
[16BON41 MFR WA SHORE lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON41%20MFR%20WA%20SHORE%20PL%20mort.pdf)
[16BON42 MFR WA Shore sockeye mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON42%20MFR%20WA%20SHORE%20SOK%20mort.pdf)
[16BON37 MFR WA SHORE lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON37%20MFR%20WA%20SHORE%20PL%20morts.pdf)
[16BON36 MFR WA SHORE lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON36%20MFR%20WA%20SHORE%20PL%20morts.pdf)
[16BON34 MFR WA SHORE lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON34%20MFR%20WA%20SHORE%20PL%20morts.pdf)
[16BON29 MFR WA SHORE lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON29%20MFR%20WA%20SHORE%20PL%20morts.pdf)
[16BON27 MFR WA SHORE lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON27%20MFR%20WA%20SHORE%20PL%20morts.pdf)
[16BON25 MFR WA SHORE lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON25%20MFR%20WA%20SHORE%20PL%20mort.pdf)
[16BON24 MFR WA SHORE lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON24%20MFR%20WA%20SHORE%20PL%20mort.pdf)

2016 June FPOM. FPOM recommends turning lights off in the BON viewing areas to assist with lamprey passage at night.

2015 November FPOM.

FPOM concurred with raising the BON forebay to find an upper limit for when WS is isolated from CI.

BON fish unit floating for debris. FPOM agreed it should be documented in an MFR every time. *UPDATE: further discussion with Fredricks and Lorz has resulted in agreement that the floating for debris will be documented in the weekly reports and then summarized monthly in an MFR.*

2015 September MOC/MFR. [15BON82 MFR WA FV6-9 LPS lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON82%20MFR%20WA%20AWS%20LPS.pdf)

2015 August MOC/MFR.

[15BON73 MFR WA Shore LFS lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON73%20MFR%20WA%20shore%20PL%20MORT.pdf)
[15BON70 MFR WA FV6-9 LPS lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON70%20MFR%20WA%20AWS%20LPS%20PL.pdf)
[15BON62 MFR WA FV 6-9 LPS lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON62%20MFR%20WA%20AWS%20LPS.pdf)
[15BON60 MFR WA FV6-9 lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON60%20MFR%20WA%20AWS%20LPS.pdf)

2015 July MOC/MFR.

[15BON45 WS LFS air entrainment test](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON45%20WS%20LFS%20air%20entrainment%20test.pdf)<
[15BON44 MFR WA AWS LPS lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON44%20MFR%20WA%20AWS%20LPS%201PL%20mort.pdf)
[15BON37 MFR WS FV6-9 LPS lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON37%20MFR%20WA%20AWS%20LPS.pdf)
[15BON34 MFR WS sockeye mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON34%20MFR%20WA%20shore%20Sockeye%20mort.pdf)

2015 June MOC/MFR.

[15BON30 MFR WA LPS grating lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON30%20MFR%20WA%20LPS%20grating%20mort.pdf)
[15BON28 MFR WA SHORE Sockeye mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON28%20MFR%20WA%20SHORE%20Sockeye.pdf)
[15BON23 sockeye salvage from WS FV6-9 channel](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON23%20sockeye%20salvage%20from%20WS%20FV6-9%20channel.pdf)[15BON16 MFR Washington Shore lamprey and sockeye morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON16%20MFR%20WA%20SHORE%20PL%20SOC%20MORT.pdf)
[15BON13 MFR WS Chinook jack mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON13%20MFR%20WS%20CH%20jack%20MORT.pdf)

2014 December MOC/MFR [14BON83 WS Fish Viewing Building Roof repair](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON83%20WS%20Fish%20Viewing%20Building%20Roof%20repair.pdf)

2014 October MOC/MFR

[14BON77 UI testing request](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON77%20UI%20testing%20request.pdf)
[14BON77 UI testing request addendum](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON77%20UI%20testing%20request%20addendum.pdf)

2014 August MOCs/MFRs

[14BON58 MFR WS FV6-9 LPS lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON58%20MFR%20WS%20FV6-9%20LPS%20MORT.pdf)
[14BON55 MFR WS FV6-9 LPS lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON55%20MFR%20WA%20AWS%20LPS%20PL%20MORT.pdf)

2014 July MOC/MFRs.
[14BON43 MFR BON WS FV6-9 LPS lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON43%20MFR%20BON%20WS%20FV6-9%20LPS%20PL%20MORT.pdf)
[14BON42 LFS attraction flow test](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON42%20LFS%20Attraction%20flow%20test.pdf)
[14BON42 attachment 1 LFS attraction flow test spreadsheet](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON42%20Attachment%201%20BON%20LFS%20Attraction%20flow%20test.xlsx)
[14BON42 Attachment 2 LFS valve rating curves](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON42%20Attachment%202%20BON%20Lamprey%20Flume%20Valve%20Rating%20Curves-2.pdf)
[14BON42 attachment 3 LFS attraction flow entrained air images](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON42%20Attachment%203%20BON%20WA%20Shore%20LFS%20entrained%20air%20images.pdf)

[14BON33 MFR BON WS FV6-9 LPS lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON33%20MFR%20BON%20WA%20SHORE%20LPS%20PL%20MORT.pdf)
[14BON25 MFR WS FV6-9 LPS lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON25%20MFR%20WS%20AWS%20LPS%20PL%20MORT.pdf)
[14BON22 MFR WS FV6-9 LPS lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON22%20MFR%20WS%20AWS%20LPS%20PL%20MORT.pdf)
[14BON20 WS LFS venting](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON20%20WS%20LFS%20venting.pdf)

2014 June MOC/MFRs

[14BON19 MFR BON WS AWS sockey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON19%20MFR%20BON%20WS%20AWS%20SOC%20MORT.pdf)
[14BON14 LFS attraction flow test and results](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON14%20LFS%20Attraction%20flow%20test.pdf)
[14BON14 LFS attraction flow test attachment 1](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON14%20LFS%20Attraction%20flow%20test%20attachment%201.xlsx)

2013 September MOC/MFR. [13BON67 MFR BON WS Lamprey Passage Structure OOS](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON67%20MFR%20BON%20WS%20LPS%20OOS.pdf)

2013 August FPOM

BON mid-season fishway ROV inspection. The diffuser cover for FG6-18, at Cascades Island, was blown askew. About ¾ of the hole is exposed. FPOM discussed the risks to fish. BON will close off FG6-18 and start to schedule an emergency dive as soon as possible.

Tribal video at BON. FPOM was ok with the filming occurring in the next couple of weeks.

2013 July MOC/MFR

[13BON52 fish unit ROV inspection](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON52%20BON%20fish%20unit%20ROV%20inspection.pdf)
[13BON45 MFR BON WS FV6-9 LPS lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON45%20MFR%20BON%20WS%20PLS%20PL%20MORT.pdf)
[13BON34 BON WS LFS ROV](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON34%20BON%20WA%20Shore%20Lamprey%20Flume%20ROV%20inspection.doc)
[13BON34 Attachment 1 U of I Modifications to BON WA Shore flume LPS](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON34%20Attachment%201%20U%20of%20I%20Modifications%20to%20BON%20WA%20Shore%20flume%20LPS_12JUL2013.pdf)
[13BON34 Attachment 2 WA Shore LFS\_area where large boil is appearing](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON34%20Attachment%202%20WA%20Shore%20LFS_area%20where%20large%20boil%20is%20appearing.png)
[13BON32 WS NDE LFS ROV inspection](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON32%20BON%20WA%20Shore%20Lamprey%20Flume%20ROV%20inspection130626.pdf)

**2013 July FPOM.** BON F2 extended outage. Currently scheduled for 23 November. The Project is concerned about the delay in getting components back in time to allow for F1 to be taken down and serviced. Hausmann asked about leaving F2 out while the lamprey work is going on and keeping it out until the work is complete. FPOM was in agreement with that as long as F1 is kept in service and work progresses on the units in a timely manner.

**2013 June FFDRWG.** BON WS Lamprey flume repairs. FFDRWG stressed that Bradford Island winter maintenance shall not be impacted.

**2013 May MOC/MFR.**

[13BON07 BON WA shore flume and LPS](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON07%20BON%20WA%20Shore%20flume%20system%20LPS%20pumps.doc)

[13BON07 Attachment 3 Pumps and pump installation](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON07%20Attachment%203%20Pumps%20and%20pump%20installation.pdf)

[13BON07 Attachment 2 Temporary Pump](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON07%20Attachment%202%20TempPumpDescription.pdf)

[13BON07 Attachment 1 NMFS Passage Design 2011](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON07%20attachement%201%20NMFS%20Passage%20Facility%20Design%202011.pdf)

2013 February MOC/MFR.

[13BON03 NDE lamprey flume IWW extension.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON03%20NDE%20lamprey%20flume%20IWW%20extension.doc)

[13BON03 Attachment 2 2013 2-5 BON Kelt Trigger for 2013.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON03%20Attachment%202%202013%202-5%20BON%20Kelt%20Trigger%20for%202013.doc)

[13BON03 Attachment 1 4FEB2013\_Updated Schedule\_BON WA Shore Lamprey Flume.xls](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON03%20Attachment%201%20%204FEB2013_Updated%20Schedule_BON%20WA%20Shore%20Lamprey%20Flume.xls)

[13BON02 Lamprey refuge box placement.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON02%20Lamprey%20refuge%20box%20placement.doc)

2013 January. FPOM approves leaving BON Washington shore valve B-3 out (valve will not be able to be closed) during fish passage season so the gate may be used as a template for fabricating new gates for the rest of the B-valves.

2012 December.

FPOM agreed with the move to 1.5” spacing at the BON WS picket leads for lamprey passage improvements.

FPOM says ok to BON switching fish counting lights to LED as long as the lights are similar to what is there.

**2012 November (MOC/MFR).**

[12BON38 BON WA Shore Orifice Flow.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON38%20BON%20WA%20Shore%20Orifice%20Flow.doc)

[12BON37 BON Fishway JSATS tests.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON37%20BON%20Fishway%20JSATS%20tests.doc)

**2012 August (MOC/MFR)** [12BON30 MFR BON WA shore lamprey mort.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON30%20MFR%20BON%20WA%20shore%20lamprey%20mort.doc)

2012 June. B2 Fish Unit trashrake. Rerecich reported that trashrake improvements are CRFM funded however there is no O&M funding for a survey and dredging. FPOM says the dredging must be completed this winter.

**2012 May (MOC/MFR)** [12BON13 WS NDE and SDE lamprey trapping.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON13%20WS%20NDE%20and%20SDE%20lamprey%20trapping.doc)

2012 April. BON lamprey trap locations. Rerecich suggested moving the lamprey trap at the old ice and trash chute (ITC) to the SDE so it is fishing adjacent to the flow. Moving the trap would include four anchor bolts. NOAA could do the work at night. Currently looking at the week of 16 April or 14 May to do the work. FPOM says do it 17-18 April, at night and place at the end of the south monolith pier, away from the main flow.

2012 February. FPOM has significant concerns regarding the lack of maintenance at BON and the associated risk put on fish passage and fish safety.

2011 November.

BON fishway ops and unit operation with Washington Shore and B-branch out of service. FPOM (BPA needs to get approval still) recommends spilling flows in excess of PH1 and miscellaneous capacity during all hours from 3-13 November. Double flow from Bay 1 (go to 12”) as soon as possible. Propose changing the chum range from 11.3’ - 11.7’ to 11.3’ – 12.0’ at TMT as soon as coordinated. Coordinate a forebay soft constraint range of 73’ – 75’ msl (target 74’) as soon as possible.

**2011 September (MOC/MFR).** [110911 BON WS LPS lamprey morts.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110911%20BON%20WS%20LPS%20lamprey%20morts.doc)

2011 September. Klatte said we will move forward with a 1 October dewater date. A unit return to service update will be provided as soon as possible. If the units at PH2 will return to service by February, there may be room for a week delay in dewatering and moving BI into March.

2011 August (MOC/MFR).

[110831 BON WS OOS Oct-Nov appendix 1.xls](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110831%20BON%20WS%20OOS%20Oct-Nov%20appendix%201.xls)

[110831 BON WS OOS Oct-Nov.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110831%20BON%20WS%20OOS%20Oct-Nov.doc)

[110818 BON Washington shore dewatering grating repair.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110818%20BON%20Washington%20shore%20dewatering%20grating%20repair.doc)

2011 August.

FPOM agreed with the change in unit priority at BON PH2, starting with Unit 12 and moving north. They also agreed that if there are no blown grates in weirs with direct connection to the AWS, except for weir 3, then there is no need to dewater the AWS for fish salvage.

FPOM agreed with the operation of BON units 16 and 18 to flush fish from U17.

FPOM agreed to the following plan of action on the 10 August special FPOM call and today’s meeting: switch to PH1 priority until the Washington fishway is back to normal operation, operate units at the best geometry, PH2 unit priority will be from south to north, BON will finish inspecting weirs with a rental crane and camera on a stick, dive services will be acquired to reinstall the displaced grates. Divers are expected as early as 16 August.

2011 June (MOC/MFR). [110615 BON WS blown grating.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110615%20BON%20WS%20blown%20grating.doc)

2011 May (MOC/MFR)

[110505 UPDATED 110412 BON WS lamprey flume construction](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110505%20UPDATED%20110412%20BON%20WS%20lamprey%20flume%20construction.doc)
[110505 BON WA Shore NDE and SDE lamprey trapping](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110505%20BON%20WA%20Shore%20NDE%20and%20SDE%20lamprey%20trapping.doc)

2011 January (MOC/MFR)

[110110 BON WA Shore NDE entrance DIDSON rail details](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110110%20BON%20WA%20Shore%20NDE%20entrance%20DIDSON%20rail%20details.pdf)

[110125 BON Fishway JSATS tests](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110125%20BON%20Fishway%20JSATS%20tests.doc)

[110110 BON WA Shore and Cascades Island DIDSON work](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110110%20BON%20WA%20Shore%20and%20Cascades%20Island%20DIDSON%20work.doc)

2011 January.

FPOM says they need more detail on the JSATS proposal for installation and testing at BON Cascades Island, Washington Shore and Bradford Island.

FPOM says they need more detail of the DIDSON installation and activity proposed for BON Cascades Island and Washington Shore.

2010 December (MOC/MFR)

[101221 BON WA Shore count station pickets](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/101221%20BON%20WA%20Shore%20count%20station%20pickets.doc)
[101221 BON WA Shore Count Station Mods for Lamprey](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/101221%20BON%20WA%20Shore%20Count%20Station%20Mods%20for%20Lamprey.pdf)
[101206 BON Washington shore dewatering morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/101206%20BON%20Washington%20shore%20dewatering%20morts.doc)

2010 December. FPOM requests an After Action Review of the BON Washington Shore dewatering and review of the dewatering protocols at BON.

2010 October (MOC/MFR)

[101015 BON PH2 CLUSTER NODE Removal](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/101015%20BON%20PH2%20CLUSTER%20NODE%20Removal.doc)

[101008 BON Fishway JSATS tests](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/101008%20BON%20Fishway%20JSATS%20tests.doc)

2010 July (MOC/MFR). [100713 BON WS lamprey outage](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/100713%20BON%20WS%20lamprey%20outage.doc)

2010 July. FPOM approves of an earlier outage of the BON Washington Shore ladder but not a later one.

2010 June (MOC/MFR). [100607 BON WA shore lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/100607%20BON%20WA%20shore%20lamprey%20morts.doc)

2010 June. FPOM approves implementing the BON WS reduced flows for lamprey passage now but not yet making the changes to the FPP.

2010 May (MOC/MFR)

[100509 BON WA shore CH mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/100509%20BON%20WA%20shore%20CH%20mort.doc)
[100505 BON WA Shore count station pickets](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/100505%20BON%20WA%20Shore%20count%20station%20pickets.doc)

2010 April (MOC/MFR). [100421 BON trapped juveniles in UMT](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/100421%20BON%20trapped%20juveniles%20in%20UMT.doc)

2010 March. FPOM has no concerns with the installation of the DIDSON camera and support system at the BON UMT.

2009 December. FPOM decided the BON TIES need to be installed by 01 March 2010 and pulled by early summer.

2009 November.

FPOM mostly approves the installation and testing of the Smith-Root array in the BON UMT. CRITFC could not say they were comfortable that the effects on lamprey could be measured. USFWS shares CRITFC lamprey concerns but would like to move forward with the test. In the long run, USFWS doesn’t believe that even if this test goes well, it is not a green light to put it in the river. ODFW agrees with USFWS and CRITFC. NOAA ok with putting the frame in but wants more discussion on the test.

FPOM agrees that the Smith-Root proposal needs to go back to SRWG.

2009 October.

FPOM wants BON Fisheries to investigate further the jumping fish at the PIT tag detectors. Barriers should be installed and sharp edges should be covered.

FPOM agrees to allow the USGS DIDSON test for an hour after 12 October.

2009 August (MOC/MFR) [090831 BON temperature probes](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090831%20BON%20temperature%20probes.doc)

2009 July. FPOM said have Sawka attend the August FPOM to answer questions about the BON fish viewing building roof repair.

2009 June (MOC/MFR). [090611 BON camera behind WS crowder](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090611%20BON%20camera%20behind%20WS%20crowder%20.doc)

2009 June. FPOM approves moving forward with testing the BON fish view lights in October.

2009 February. FPOM will move the Smith-Root proposal to SRWG.

2009 February (MOC/MFR). [090219 UMT Study 2-16-09](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090219%20%20UMT%20Study%202-16-09.doc)

2008 July (MOC/MFR). [080714 BON WS AWS sockeye](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/080714%20BON%20WS%20AWS%20sockeye.doc)

**2007 September (MOC/MFR).**

[070716 BON AWS Dead sockeye](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/070716%20BON%20AWS%20Dead%20sockeye.doc)
[070711 BON AWS Dead sockeye](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/070711%20BON%20AWS%20Dead%20sockeye.doc)

**2007 July**. Bonneville has removed three dead sockeye from the picket leads between the WA shore ladder and the FV6-9 AWS channel. Fisheries requests approval to drop water elevations on 31 July to investigate how they are getting in. All of the picket leads were pulled and inspected the week of 9 July. All leads look great. 31 July is the same day as the ROV inspection, so ladder passage will already be affected for the day. FPOM approves going to orifice flow on 31 July at WA shore fishway.

2005 October MOC/MFR. [051008 BON oil spill](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/051008%20BON%20oil%20spill.doc)

2004 July (MOC/MFR). [040710 BON WA ladder](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/040710%20BON%20WA%20ladder.doc)

ADULT FISH FACILITY

2022 July MOC/MFR

[22BON065 MFR AFF Pacific Lamprey Mortalities](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON065%20MFR%20AFF%20Pacific%20Lamprey%20Mortalities.pdf)

[22BON059 MFR AFF Valve 15 PL Morts](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON059%20MFR%20AFF%20Valve%2015%20PL%20Morts.pdf)

[22BON056 MFR AFF Walkway Lamprey Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON056%20MFR%20AFF%20Walkway%20Lamprey%20Mort.pdf)

22BON054 MFR AFF PL Mort

[22BON052 MFR AFF PL and Smolt Morts](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON052%20MFR%20AFF%20PL%20and%20Smolt%20Morts.pdf)

[22BON051 MFR AFF PL Sockeye and Smolt Morts](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON051%20MFR%20AFF%20PL%20Sockeye%20and%20Smolt%20Morts.pdf)

[22BON050 MFR AFF PL Sockeye and Smolt Morts](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON050%20MFR%20AFF%20PL%20Sockeye%20and%20Smolt%20Morts.pdf)

[22BON046 MFR AFF Sockeye Mort](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fpweb.crohms.org%2Ftmt%2Fdocuments%2FFPOM%2F2010%2FNWP%2520Memos%2520of%2520Coordination%2520and%2520Notification%2FBON%2520MOC%2520and%2520MFR%2F22BON046%2520MFR%2520AFF%2520Sockeye%2520Mort.docx&wdOrigin=BROWSELINK)

[22BON044 MFR AFF Lamprey Mort](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fpweb.crohms.org%2Ftmt%2Fdocuments%2FFPOM%2F2010%2FNWP%2520Memos%2520of%2520Coordination%2520and%2520Notification%2FBON%2520MOC%2520and%2520MFR%2F22BON044%2520MFR%2520AFF%2520Lamprey%2520Mort.docx&wdOrigin=BROWSELINK)

[22BON039 MFR AFF Lamprey Morts](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fpweb.crohms.org%2Ftmt%2Fdocuments%2FFPOM%2F2010%2FNWP%2520Memos%2520of%2520Coordination%2520and%2520Notification%2FBON%2520MOC%2520and%2520MFR%2F22BON039%2520MFR%2520AFF%2520Lamprey%2520Morts.docx&wdOrigin=BROWSELINK)

[22BON035 MFR AFF Lamprey Morts](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON035%20MFR%20AFF%20Lamprey%20Morts.pdf)

[22BON033 MFR AFF Sockeye and Smolt Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON033%20MFR%20AFF%20Sockeye%20and%20Smolt%20Mort.pdf)

[22BON030 MFR AFF Sockeye Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON030%20MFR%20AFF%20Sockeye%20Mort.pdf)

[22BON029 MFR AFF Lamprey Morts](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON029%20MFR%20AFF%20Lamprey%20Morts.pdf)

2022 June MOC/MFR

[22BON024 MFR AFF Sockeye Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON024%20MFR%20AFF%20Sockeye%20Mort.pdf)

[22BON023 MFR AFF Sockeye Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON023%20MFR%20AFF%20Sockeye%20Mort.pdf)

[22BON021 MFR AFF Chinook and PL Morts](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON021%20MFR%20AFF%20Chinook%20and%20PL%20Morts.pdf)

[22BON020 MFR AFF Sockeye Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON020%20MFR%20AFF%20Sockeye%20Mort.pdf)

[22BON017 MFR AFF Lamprey Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON017%20MFR%20AFF%20Lamprey%20Mort.pdf)

2022 May MOC/MFR [22BON010 MFR AFF Chinook Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON010%20MFR%20AFF%20Chinook%20Mort.pdf)

2022 April MOC/MFR [22BON008 MFR AFF Chinook Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON008%20MFR%20AFF%20Chinook%20Mort.pdf)

2021 September MOC/MFR

[21BON094 MFR AFF Chinook Mortality](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON094%20MFR%20AFF%20Chinook%20Mortality.pdf)

[21BON093 MFR AFF Chinook and PL Mortalities](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON093%20MFR%20AFF%20Chinook%20and%20PL%20Mortalities.pdf)

[21BON092 MFR AFF Flume Coho Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON092%20MFR%20AFF%20Flume%20Coho%20Mort.pdf)

[21BON091 MFR AFF Salmonid Morts Valve 15 Trash Rack](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON091%20MFR%20AFF%20Salmonid%20Morts%20Valve%2015%20Trash%20Rack.pdf)

[21BON090 MFR AFF Coho Mortalties](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON090%20MFR%20AFF%20Coho%20Mortalties.pdf)

[21BON088 MFR AFF Chinook Mortality](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON088%20MFR%20AFF%20Chinook%20Mortality.pdf)

[21BON087 MFR AFF Chinook Coho PL Morts](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON087%20MFR%20AFF%20Chinook%20Coho%20PL%20Morts.pdf)

[21BON086 MFR AFF Chinook Mortality](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON086%20MFR%20AFF%20Chinook%20Mortality.pdf)

[21BON083 MFR AFF Valve 15 Trash Rack Coho Mortality](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON083%20MFR%20AFF%20Valve%2015%20Trash%20Rack%20Coho%20Mortality.pdf)

2021 August MOC/MFR

[21BON082 MFR AFF Chinook Mortality](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON082%20MFR%20AFF%20Chinook%20Mortality.pdf)

[21BON080 MFR AFF Chinook and Coho Morts](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON080%20MFR%20AFF%20Chinook%20and%20Coho%20Morts.pdf)

[21BON078 MFR AFF Holding Tank PL Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON078%20MFR%20AFF%20Holding%20Tank%20PL%20Mort.pdf)

2021 July MOC/MFR

[21BON073 MFR AFF CH Sm PL and STLHD Morts](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON073%20MFR%20AFF%20CH%20Sm%20PL%20and%20STLHD%20Morts.pdf)

[21BON072 MFR AFF Holding Tank PL Morts](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON072%20MFR%20AFF%20Holding%20Tank%20PL%20Morts.pdf)

[21BON070 MFR AFF Holding Tank PL Morts](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON070%20MFR%20AFF%20Holding%20Tank%20PL%20Morts.pdf)

[21BON068 MFR AFF Holding Tank PL Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON068%20MFR%20AFF%20Holding%20Tank%20PL%20Mort.pdf)

[21BON67 MFR AFF Lamprey Mortalites](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON67%20MFR%20AFF%20Lamprey%20Mortalites.pdf)

[21BON066 MFR AFF Trash Rack Sockeye Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON066%20MFR%20AFF%20Trash%20Rack%20Sockeye%20Mort.pdf)

[21BON065 MFR AFF Lamprey Morts](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON065%20MFR%20AFF%20Lamprey%20Morts.pdf)

[21BON064 MFR AFF Chinook Smolt and PL Morts](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON064%20MFR%20AFF%20Chinook%20Smolt%20and%20PL%20Morts.pdf)

[21BON062 MFR AFF Holding Tank PL Morts](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON062%20MFR%20AFF%20Holding%20Tank%20PL%20Morts.pdf)

[21BON060 MFR AFF Holding Tank PL Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON060%20MFR%20AFF%20Holding%20Tank%20PL%20Mort.pdf)

[21BON055 MFR AFF Sockeye and PL Morts](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON055%20MFR%20AFF%20Sockeye%20and%20PL%20Morts.pdf)

[21BON054 MFR AFF Sockeye Mort)](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON054%20MFR%20AFF%20Sockeye%20Mort.pdf)

[21BON052 MFR AFF Lamprey Morts](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON052%20MFR%20AFF%20Lamprey%20Morts.pdf)

[21BON051 MFR AFF Sockeye and Chin smolt Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON051%20MFR%20AFF%20Sockeye%20and%20Chin%20smolt%20Mort.pdf)

[21BON050 MFR AFF Sockeye Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON050%20MFR%20AFF%20Sockeye%20Mort.pdf)

[21BON047 AFF Holding Tank Lamprey Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON047%20AFF%20Holding%20Tank%20Lamprey%20Mort.pdf)

[21BON046 MFR AFF Holding Tank PL Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON046%20MFR%20AFF%20Holding%20Tank%20PL%20Mort.pdf)

[21BON043 MFR AFF Holding Tank PL Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON043%20MFR%20AFF%20Holding%20Tank%20PL%20Mort.pdf)

[21BON042 MFR AFF CH and Sock Morts](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON042%20MFR%20AFF%20CH%20and%20Sock%20Morts.pdf)

[21BON041 MFR AFF Lamprey Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON041%20MFR%20AFF%20Lamprey%20Mort.pdf)

[21BON040 MFR AFF CH, Sock, and PL Morts](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON040%20MFR%20AFF%20CH%2C%20Sock%2C%20and%20PL%20Morts.pdf)

[21BON039 MFR AFF Holding Tank PL Morts](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON039%20MFR%20AFF%20Holding%20Tank%20PL%20Morts.pdf)

[21BON036 MFR AFF CH and Sockeye Morts](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON036%20MFR%20AFF%20CH%20and%20Sockeye%20Morts.pdf)

[21BON029 MFR AFF Holding Tank PL Morts](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON029%20MFR%20AFF%20Holding%20Tank%20PL%20Morts.pdf)

[21BON028 MFR AFF Lamprey Morts](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON028%20MFR%20AFF%20Lamprey%20Morts.pdf)

[21BON026 MFR AFF CH and Sockeye Morts](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON026%20MFR%20AFF%20CH%20and%20Sockeye%20Morts.pdf)

2021 June MOC/MFR

[21BON24 MFR AFF Lamprey Morts](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON24%20MFR%20AFF%20Lamprey%20Morts.pdf)

[21BON023 MFR AFF Sockeye Mortalities](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON023%20MFR%20AFF%20Sockeye%20Mortalities.pdf)

[21BON22 MFR AFF Pacific Lamprey Morts](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON22%20MFR%20AFF%20Pacific%20Lamprey%20Morts.pdf)

[21BON021 MFR AFF drain valve 15 PL mortality](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON021%20MFR%20AFF%20drain%20valve%2015%20PL%20mortality.pdf)

[21BON018 MFR AFF Holding tank PL mortality](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON018%20MFR%20AFF%20Holding%20tank%20PL%20mortality.pdf)

[21BON015 MFR AFF Sockeye Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON015%20MFR%20AFF%20Sockeye%20Mort.pdf)

[21BON013 MFR AFF Sockeye Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON013%20MFR%20AFF%20Sockeye%20Mort.pdf)

[21BON012 MFR AFF Juv Chinook Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON012%20MFR%20AFF%20Juv%20Chinook%20Mort.pdf)

2021 May MOC/MFR

[21BON008 MFR AFF Chinook Mort](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON008%20MFR%20AFF%20Chinook%20Mort.pdf)

[21BON007 MFR AFF Steelhead Morts](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON007%20MFR%20AFF%20Steelhead%20Morts.pdf)

2020 June MOC/MFR

[20BON17 MFR AFF Sockeye Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/20BON17%20MFR%20AFF%20Sockeye%20Mort.pdf)

[20BON18 MFR AFF Sockeye Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/20BON18%20MFR%20AFF%20Sockeye%20Mort.pdf)

2020 January MOC/MFR [20BON02 MFR AFF Damaged Metalworks](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/20BON02%20MFR%20AFF%20Damaged%20Metalworks.pdf)

2019 September MOC/MFR

[19BON54 MFR AFF unknown Salmonid Mortality](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON54%20MFR%20%20AFF%20Unknown%20Salmonid%20Mortality.pdf)

[19BON57 MFR AFF CH Morts](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON57%20MFR%20AFF%20Chinook%20Morts.pdf)

[19BON58 MFR AFF CHN Morts](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON58%20MFR%20%20AFF%20CHN%20Mortalities.pdf)

[19BON60 MFR AFF Salmonid Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON60%20MFR%20AFF%20Salmonid%20Mort.pdf)

[19BON61 MFR AFF CHN Morts](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON61%20MFR%20AFF%20Chinook%20Morts.pdf)

2019 August MOC/MFR

[19BON47 MFR AFF SOC-PL-CHN Morts](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON47%20MFR%20AFF%20SOC-PL-CHN%20Morts.pdf)

[19BON50 MFR AFF PL and CH Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON50%20MFR%20AFF%20PL%20and%20CH%20Mort.pdf)

[19BON51 MFR AFF PL mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON51%20MFR%20AFF%20PL%20Mort.pdf)

[19BON53 MFR PL AFF Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON53%20MFR%20PL%20AFF%20Mort.pdf)

2019 July MOC/MFR

[19BON23 MFR AFF PL and Sockeye Morts](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON23%20MFR%20AFF%20PL%20and%20Sockeye%20Mort.pdf)

[19BON25 MFR AFF Sockeye Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON25%20MFR%20AFF%20Sockeye%20Mort.pdf)

[19BON26 MFR AFF PL Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON26%20MFR%20AFF%20PL%20Morts.pdf)

[19BON27 MFR AFF PL Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON27%20MFR%20AFF%20PL%20Mort.pdf)

[19BON28 MFR AFF PL Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON28%20MFR%20AFF%20PL%20Mort.pdf)

[19BON29 MFR AFF PL Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON29%20MFR%20AFF%20PL%20Mort.pdf)

[19BON30 MFR AFF PL Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON30%20MFR%20UofI%20Holding%20Tank%20PL%20Mort.pdf)

[19BON32 MFR AFF PL and Chinook Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON32%20MFR%20AFF%20PL%20and%20Chinook%20Mort.pdf)

[19BON34 MFR AFF Chinook Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON34%20MFR%20AFF%20Chinook%20Mort.pdf)

[19BON35 MFR AFF PL CHN Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON35%20MFR%20AFF%20PL%20CHN%20Mort.pdf)

[19BON36 MFR AFF PL Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON36%20MFR%20AFF%20PL%20Mort.pdf)

[19BON37 MFR CRITFC holding tank PL Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON37%20MFR%20CRITFC%20holding%20tank%20PL%20Mort.pdf)

[19BON39 MFR CRITFC holding tank PL Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON39%20MFR%20CRITFC%20holding%20tank%20PL%20Mort.pdf)

[19BON40 MFR AFF PL CHN Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON40%20MFR%20AFF%20PL%20CHN%20Mort.pdf)

[19BON42 MFR AFF PL SOC Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON42%20MFR%20AFF%20PL%20SOC%20Mort.pdf)

[19BON43 MFR AFF PL Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON43%20MFR%20AFF%20PL%20Mort.pdf)

[19BON44 MFR CRITFC Holding Tank PL Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON44%20MFR%20CRITFC%20Holding%20Tank%20PL%20Mort.pdf)

2019 June MOC/MFR

[19BON07 MFR AFF PL Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON07%20MFR%20AFF%20PL%20Mort.pdf)

[19BON08 MFR CHN Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON08%20MFR%20AFF%20CHN%20Mort.pdf)

[19BON09 MFR AFF PL Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON09%20MFR%20AFF%20PL%20Mort.pdf)

[19BON10 MFR AFF PL Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON10%20MFR%20AFF%20PL%20Mort.pdf)

[19BON11 MFR AFF PL Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON11%20MFR%20AFF%20PL%20Mort.pdf)

[19BON13 MFR AFF PL Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON13%20MFR%20AFF%20PL%20Mort.pdf)

[19BON16 MFR AFF PL Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON16%20MFR%20AFF%20PL%20Mort.pdf)

[19BON17 MFR CRITFC Holding Tank PL Morts](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON17%20MFR%20CRITFC%20Holding%20Tanks%20PL%20Morts.pdf)

[19BON19 MFR AFF Sockeye Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON19%20MFR%20AFF%20Sockeye%20Mort.pdf)

[19BON20 MFR AFF PL Morts](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON20%20MFR%20AFF%20PL%20Morts.pdf)

[19BON21 MFR AFF PL Morts](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/19BON21%20MFR%20AFF%20PL%20Morts.pdf)

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[18BON67 MOC Adult Fish Facility Video Data Collection by Whoosh](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON67%20MOC%20Adult%20Fish%20Facility%20Video%20Data%20Collection%20by%20Whoosh.doc)

[18BON67 Whooshh Bonneville Proposed Project](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON67%20Whooshh%20Bonneville%20Proposed%20Project.docx)

2018 September MOC/MFR

[18BON58 MFR AFF Chinook Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON58%20MFR%20%20AFF%20Chinook%20Mort.pdf)

[18BON61 MFR AFF Chinook and PL Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON61%20MFR%20AFF%20Chinook%20and%20PL%20Mort.pdf)

2018 August MOC/MFR

[18BON52 MFR AFF PL Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON52%20MFR%20%20AFF%20PL%20Mort.pdf)

[18BON53 MFR AFF Salmonid Mortality](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON53%20MFR%20%20Adult%20Fish%20Facility%20Salmonid%20Mortality.pdf)

[18BON55 MFR AFF PL Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON57%20MFR%20AFF%20PL%20Mort.pdf)

[18BON57 MFR AFF Pl Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON57%20MFR%20AFF%20PL%20Mort.pdf)

2018 July MOC/MFR

[18BON26 MFR PL Mort AFF V15 trashrack](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON26%20MFR%20PL%20Mort%20AFF%20V15%20trashrack.pdf)

[18BON28 MFR PL and CH mort V15 AFF](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON28%20MFR%20PL%20and%20CH%20mort%20V15%20AFF.pdf)

[18BON30 MFR PL Morts AFF](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON30%20MFR%20PL%20Morts%20AFF.pdf)

[18BON31 MFR AFF PL Mort V15](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON31%20MFR%20%20AFF%20PL%20Mort%20V15.pdf)

[18BON32 MFR AFF UofI sample PL Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON32%20MFR%20%20AFF%20UofI%20sample%20PL%20Mort.pdf)

[18BON35 MFR CH Morts AFF](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON35%20MFR%20CH%20Morts%20AFF.pdf)

[18BON39 MFR AFF PL Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON39%20MFR%20AFF%20PL%20Mort.pdf)

[18BON41 MFR AFF PL Morts](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON41%20MFR%20AFF%20PL%20Morts.pdf)

[18BON47 MFR Sockeye Morts AFF V15](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON47%20MFR%20Sockeye%20Morts%20AFF%20V15.pdf)

[18BON48 MFR Salmonid Mort AFF V15](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON48%20MFR%20Salmonid%20Mort%20AFF%20V15.pdf)

[18BON49 MFR AFF PL sample mort UofI](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON49%20MFR%20AFF%20PL%20sample%20mort%20UofI.pdf)

2018 June MOC/MFR

[18BON19 MFR AFF CH Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON19%20MFR%20%20AFF%20CH%20Mort.pdf)

[18BON20 MFR AFF PL Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON20%20MFR%20%20AFF%20PL%20Mort.pdf)

[18BON21 MFR Sock Mort AFF](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON21%20MFR%20Sock%20Mort%20AFF.pdf)

[18BON22 MFR AFF U of I PL Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON22%20MFR%20%20AFF%20U%20of%20I%20PL%20Mort.pdf)

2018 May MOC/MFR

[18BON08 MFR AFF PL Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON08%20MFR%20AFF%20PL%20Mort.pdf)

[18BON11 MFR AFF CH Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON11%20MFR%20AFF%20CH%20Mort.pdf)

[18BON13 MFR AFF CH Mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON13%20MFR%20AFF%20CH%20Mort.pdf)

2017 October MOC/MFR

[17BON70 MFR AFF PL mort](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/)

[17BON67 MFR AFF CH morts](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON67%20MFR%20AFF%20CH%20morts.pdf)

2017 September MOC/MFR

[17BON66 MFR CH sample mort AFF](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON66%20MFR%20CH%20sample%20mort%20AFF.pdf)

[17BON65 MFR CH morts AFF](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON65%20MFR%20CH%20morts%20AFF.pdf)

[17BON64 MFR CH morts AFF](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON64%20MFR%20CH%20sample%20morts%20AFF.pdf)

2017 August MOC/MFR

[17BON63 MFR PL mort CRITFC pot trap](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON63%20MFR%20PL%20mort%20CRITFC%20pot%20trap.pdf)

[17BON62 MFR PL morts CRITFC traps and holding tanks](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON62%20MFR%20PL%20morts%20CRITFC%20traps%20and%20holding%20tanks.pdf)

[17BON61 MFR PL morts CRITFC traps and holding tanks](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON61%20MFR%20PL%20morts%20CRITFC%20traps%20and%20holding%20tanks.pdf)

2017 July MOC/MFR

[17BON57 MFR PL Morts V15 AFF](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON57%20MFR%20PL%20Morts%20V15%20AFF.pdf)

[17BON55 MFR PL mort AFF V15](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON52%20MFR%20PL%20morts%20CRITFC%20traps%20and%20holding%20tanks.pdf)

[17BON52 MFR PL morts CRITFC traps and holding tanks](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON52%20MFR%20PL%20morts%20CRITFC%20traps%20and%20holding%20tanks.pdf)

[17BON51 MFR AFF V15 PL Mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON51%20MFR%20AFF%20V15%20PL%20Mort.pdf)

[17BON48 MFR AFF V15 PL Morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON48%20MFR%20AFF%20V15%20PL%20Morts.pdf)

[17BON45 MFR AFF PL V15 morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON45%20MFR%20AFF%20PL%20V15%20morts.pdf)

1[7BON44 MFR PL morts CRITFC traps](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON44%20MFR%20PL%20morts%20CRITFC%20traps.pdf)

[17BON43 MFR PL mort CRITFC trap](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON43%20MFR%20%20PL%20mort%20CRITFC%20trap.pdf)

[17BON42 MFR PL mort CRITFC traps](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON42%20MFR%20PL%20mort%20CRITFC%20traps.pdf)

[17BON41 MFR PL morts CRITFC holding tanks](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON41%20MFR%20PL%20morts%20CRITFC%20holding%20tanks.pdf)

[17BON40 MFR SOC mort AFF sample](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON40%20MFR%20SOC%20mort%20AFF%20sample.pdf)

[17BON39 MFR AFF PL V15 Mortalities](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON39%20MFR%20AFF%20PL%20V15%20Mortalities.pdf)

[17BON38 MFR CH mort AFF sample](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON38%20MFR%20SOC%20mort%20AFF%20sample.pdf)

[17BON37 MFR AFF PL CRITFC holding tanks](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON37%20MFR%20AFF%20PL%20CRITFC%20holding%20tanks.pdf)

[17BON36 MFR AFF PL CRITFC holding tanks](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON35%20MFR%20PL%20CRITFC%20traps%20and%20holding%20tanks.pdf)

[17BON35 MFR PL CRITFC traps and holding tanks](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON35%20MFR%20PL%20CRITFC%20traps%20and%20holding%20tanks.pdf)

[17BON33 MFR AFF PL morts V15](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON33%20MFR%20AFF%20PL%20morts%20V15.pdf)

[17BON31 MFR AFF SOC mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON31%20MFR%20AFF%20SOC%20mort.pdf)

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[17BON30 MFR AFF PL CRITFC traps](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON30%20MFR%20AFF%20PL%20CRITFC%20traps%20.pdf)

[17BON29 MFR AFF PL CRITFC traps](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON29%20MFR%20AFF%20PL%20CRITFC%20traps.pdf)

[17BON28 MFR AFF PL mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON28%20MFR%20AFF%20PL%20mort.pdf)

[17BON25 MFR AFF PL mort V15 trashrack](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON25%20MFR%20AFF%20PL%20mort%20V15%20trashrack.pdf)

[17BON21 MFR AFF SOC mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON21%20MFR%20AFF%20SOC%20mort.pdf)

[17BON18 MFR AFF PL mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/)

[17BON15 MFR AFF PL mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON15%20MFR%20AFF%20PL%20mort.pdf)

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[16BON113 MFR AFF-VALVE15 Coho mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON113%20MFR%20AFF-VALVE15%20COHO%20mort.pdf)
[16BON112 MFR AFF-VALVE15 Chinook mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON112%20MFR%20AFF-VALVE15%20CHK%20mort.pdf)
[16BON111 MFR AFF Chinook morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON111%20MFR%20AFF%20CHK%20morts.pdf)
[16BON110 MFR AFF Chinook morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON110%20MFR%20AFF%20CHK%20morts.pdf)
[16BON106 MFR AFF Chinook morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON106%20MFR%20AFF%20CHK%20morts.pdf)
[16BON103 MFR AFF Lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON103%20MFR%20AFF%20PL%20mort.pdf)

2016 August MOC/MFR

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[16BON76 MFR AFF Chinook mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON76%20MFR%20AFF%20CHK%20mort.pdf)
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[16BON67 MFR AFF lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON67%20MFR%20AFF%20PL%20mort.pdf)

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[15BON71 MFR AFF lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON71%20MFR%20AFF%20PL%20MORT.pdf)
[15BON68 MFR AFF lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON68%20MFR%20AFF%20PL%20MORT.pdf)
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[15BON09 MFR BON AFF lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON09%20MFR%20BON%20AFF%20PL%20MORTS.pdf)

2015 May MOC/MFR. [15BON04 MFR AFF CHK MORT](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON04%20MFR%20AFF%20CHK%20MORT.pdf)

2014 October FPOM

CRITFC AFF PIT tag detector. FPOM was ok with the exit section detector but the entrance detector needs to have a hydraulic review. This will be carried over to November.

2014 October MOC/MFR

[14BON79 MFR AFF salmonid morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON79%20MFR%20AFF%20Salmonid%20MORTs.pdf)
[14BON78 MFR AFF steelhead mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON78%20MFR%20AFF%20STH%20MORT.pdf)
[14BON76 MFR AFF salmonid morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON76%20MFR%20AFF%20Salmonid%20morts.pdf)
[14BON75 MFR AFF steelhead mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON75%20MFR%20AFF%20STHD%20MORT.pdf)

2014 September MOC/MFR

[14BON73 MFR AFF Chinook mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON73%20MFR%20AFF%20CHK%20MORT.pdf)
[14BON72 MFR AFF steelhead mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON72%20MFR%20AFF%20STH%20MORT.pdf)
[14BON71 AFF picket lead operation](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON71%20AFF%20picket%20lead%20operation.pdf)
[14BON70 MFR AFF Chinook mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON70%20MFR%20AFF%20CHK%20MORT.pdf)
[14BON68 MFR BON AFF Chinook morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON68%20MFR%20AFF%20CHK%20MORTS.pdf)

[14BON67 MFR BON AFF Chinook and lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON67%20MFR%20AFF%20CHK%20PL%20MORTS.pdf)
[14BON66 MFR BON AFF Chinook morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON66%20MFR%20AFF%20CHK%20MORTS.pdf)
[14BON63 MFR BON AFF picket lead operation](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON63%20MFR%20BON%20AFF%20picket%20lead%20operation.pdf)
[14BON62 MFR BON AFF Chinook mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON62%20MFR%20AFF%20CHK%20MORT.pdf)

2014 September FPOM. AFF picket lead operation. FPOM agreed to return to normal App G AFF operations once Washington Shore fish numbers decrease to 20K fish. They also recommend keeping four units operating at PH1 to help keep fish numbers in Washington Shore below 20K.

2014 August MOCs/MFRs

[14BON57 MFR BON AFF lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON57%20MFR%20BON%20AFF%20PL%20MORT.pdf)
[14BON56 MFR AFF sockeye mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON56%20MFR%20AFF%20SOC%20MORT.pdf)
[14BON52 MFR AFF lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON52%20MFR%20BON%20AFF%20PL%20MORT.pdf)
[14BON51 MFR AFF Chinook mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON51%20MFR%20AFF%20CHK%20MORT.pdf)

2014 August FPOM. ODFW request to use the AFF. Jones reported on the meeting with the AFF researchers and Rerecich. The outcome was that as long as ODFW did not impact the other researchers, there wasn’t opposition. Rerecich confirmed NWP is ok with moving forward with the action. FPOM concurred with the use of the AFF by ODFW this fall.

2014 July MOC/MFRs.
[14BON48 MFR BON AFF sockeye mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON48%20MFR%20AFF%20SOC%20MORT.pdf)
[14BON47 MFR BON AFF lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON47%20MFR%20BON%20AFF%20PL%20MORT.pdf)
[14BON45 MFR BON AFF lamprey and sockeye morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON45%20MFR%20BON%20AFF%20SOC%20PL%20MORTS.pdf)
[14BON41 MFR BON AFF Chinook mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON41%20MFR%20AFF%20CHK%20MORT.pdf)
[14BON40 MFR BON AFF lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON40%20MFR%20BON%20AFF%20PL%20MORTS.pdf)
[14BON39 MFR BON AFF sockeye mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON39%20MFR%20BON%20AFF%20SOC%20MORT.pdf)
[14BON38 MFR BON AFF lamprey and sockeye morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON38%20MFR%20BON%20AFF%20PL%20SOC%20MORTS.pdf)
[14BON35 MFR BON AFF lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON35%20MFR%20BON%20AFF%20PL%20MORT.pdf)

[14BON34 MFR BON AFF lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON34%20MFR%20BON%20AFF%20PL%20MORT.pdf)
[14BON32 MFR BON AFF lamprey and sockeye morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON32%20MFR%20BON%20AFF%20PL%20SOC%20MORT.pdf)
[14BON31 MFR BON AFF sockeye mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON31%20MFR%20BON%20AFF%20SOC%20MORT.pdf)
[14BON29 MFR BON AFF lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON29%20MFR%20BON%20AFF%20PL%20MORT.pdf)
[14BON28 MFR BON AFF lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON28%20MFR%20BON%20AFF%20PL%20MORT.pdf)
[14BON26 MFR BON AFF lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON26%20MFR%20BON%20AFF%20PL%20MORTS.pdf)
[14BON24 MFR BON AFF Chinook mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON24%20MFR%20AFF%20CHK%20MORT.pdf)
[14BON23 MFR AFF protocol incident](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON23%20MFR%20AFF%20protocol%20incident.pdf)

2014 June MOC/MFRs

[14BON18 MFR BON AFF lamprey and Chinook morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON18%20MFR%20BON%20AFF%20PL%20CHN%20MORTS.pdf)
[14BON17 MFR BON AFF Chinook morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON17%20MFR%20BON%20AFF%20CHN%20MORTS.pdf)
[14BON16 MFR BON AFF lamprey, Chinook, and sockeye morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON16%20MFR%20BON%20AFF%20MORTS.pdf)
[14BON12 MFR BON AFF lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON12%20MFR%20BON%20AFF%20PL%20MORT.pdf)
[14BON11 MFR BON AFF Chinook mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON11%20MFR%20BON%20AFF%20CH%20mort.pdf)

2014 May MOC/MFR. [14BON10 MFR BON AFF Chinook mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON10%20MFR%20BON%20AFF%20CHK%20MORT.pdf)

2013 December FPOM. BON AFF PIT tag detector. Fredricks said he would prefer the antenna go in the straight section, upstream from the end of the pipes. He also requested a better plan view such as a drawing clearly delineating position A and B. He would like the antenna to be perpendicular to the flow. FPOM came to agreement with the new location. This is now approved for moving forward.

2013 November MOC/MFRs. [13BON92 MFR BON AFF sturgeon morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON92%20MFR%20BON%20AFF%20STRGN%20MORT.pdf)

2013 October MOC/MFR

[13BON90 MFR BON AFF Chinook mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON90%20MFR%20BON%20AFF%20CHK%20MORT.pdf)
[13BON88 MFR BON AFF salmonid mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON88%20MFR%20BON%20AFF%20SALMONID%20MORT.pdf)

[13BON87 MFR BON AFF Chinook and coho morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON87%20MFR%20BON%20AFF%20CHN%20CO%20MORT.pdf)

[13BON86 MFR BON AFF Chinook and coho morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON86%20MFR%20BON%20AFF%20CHN%20CO%20MORT.pdf)

2013 September MOC/MFR

[13BON85 MFR BON AFF dead fish test](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON85%20MFR%20BON%20AFF%20dead%20fish%20test.pdf)

[13BON84 MFR BON AFF Chinook mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON84%20MFR%20BON%20AFF%20CHN%20MORT.pdf)

[13BON83 MFR BON AFF Chinook morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON83%20MFR%20BON%20AFF%20CHK%20MORT.pdf)

[13BON82 MFR BON AFF Chinook and coho morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON82%20MFR%20BON%20AFF%20CHK%20COH%20MORT.pdf)

[13BON81 MFR BON AFF Chinook morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON81%20MFR%20BON%20AFF%20CHN%20MORT.pdf)

[13BON80 MFR BON AFF Chinook and coho morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON80%20MFR%20BON%20AFF%20CHN%20CO%20MORT.pdf)

[13BON79 MFR BON AFF Chinook and coho morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON79%20MFR%20BON%20AFF%20CHN%20COH%20MORT.pdf)

[13BON78 MFR BON AFF Chinook and coho morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON78%20MFR%20BON%20AFF%20CHN%20COHO%20MORT.pdf)

[13BON77 MFR BON AFF Chinook morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON77%20MFR%20BON%20AFF%20CHN%20MORT.pdf)

[13BON76 MFR BON AFF Chinook morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON76%20MFR%20BON%20AFF%20CHN%20MORT.pdf)

[13BON75 MFR BON AFF Chinook and lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON75%20MFR%20BON%20AFF%20CHK%20PL%20MORT.pdf)

[13BON74 MFR BON AFF Chinook and lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON74%20MFR%20BON%20AFF%20CHK%20PL%20MORT.pdf)

[13BON72 MFR BON AFF Chinook morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON72%20MFR%20BON%20AFF%20CHK%20MORT.pdf)

[13BON71 MFR BON AFF Chinook morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON71%20MFR%20BON%20AFF%20CHK%20MORT.pdf)

[13BON70 MFR BON AFF Chinook mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON70%20MFR%20BON%20AFF%20CHK%20MORT.pdf)

[13BON69 MFR BON AFF Chinook and lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON69%20MFR%20BON%20AFF%20PL%20CHK%20MORT.pdf)

[13BON66 MFR BON AFF lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON66%20MFR%20BON%20AFF%20PL%20MORT.pdf)

**2013 September FPOM**

FPP Appendix G picket lead protocols. FPOM will re-look at the AFF picket leads this winter.

BON AFF dead fish test. FPOM was in agreement with tagging dead fish, releasing them just below the count window, and seeing where they end up. Lamprey would be kept and released later in the season.

2013 August MOC/MFR

[13BON64 MFR BON AFF Chinook and BI lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON64%20MFR%20BON%20AFF%20CHN%20and%20BI%20PL%20MORT.pdf)

[13BON62 MFR BON AFF lamprey and Chinook morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON62%20MFR%20BON%20AFF%20PL%20CHN%20MORT.pdf)

[13BON61 MFR BON AFF Chinook mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON61%20MFR%20BON%20AFF%20CHN%20MORT.pdf)

[13BON60 MFR BON AFF Chinook mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON60%20MFR%20BON%20AFF%20CHN%20MORT.pdf)

[13BON59 MFR BON AFF lamprey and Chinook morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON59%20MFR%20BON%20AFF%20PL%20CHN%20MORT.pdf)

[13BON58 MFR BON AFF lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON58%20MFR%20BON%20AFF%20PL%20MORT.pdf)
[13BON57 MFR BON AFF lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON57%20MFR%20BON%20AFF%20PL%20MORT.pdf)
[13BON56 MFR BON AFF chinook smolt mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON56%20MFR%20BON%20AFF%20CHN%20MORT.pdf)

2013 August FPOM. AFF task group tentative meeting date on 20 August.

2013 July MOC/MFR

[13BON54 MFR BON AFF lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON54%20MFR%20BON%20AFF%20PL%20MORTS.pdf)
[13BON53 MFR BON AFF lamprey and sockeye morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON53%20MFR%20BON%20AFF%20PL%20SOC%20MORT.pdf)
[13BON50 MFR BON AFF and CI lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON50%20MFR%20BON%20AFF%20and%20CI%20PL%20MORT.pdf)
[13BON49 MFR BON AFF Chinook and lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON49%20MFR%20BON%20AFF%20CHN%20and%20PL%20MORTS.pdf)
[13BON48 MFR BON AFF Chinook mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON48%20MFR%20BON%20AFF%20CHN%20MORT.pdf)
[13BON47 MFR BON AFF lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON47%20MFR%20BON%20AFF%20PL%20MORT.pdf)
[13BON46 MFR BON AFF Sockeye and Chinook morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON46%20MFR%20BON%20AFF%20CHN%20SOC%20MORT.pdf)
[13BON44 MFR BON AFF Sockeye, Chinook, lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON44%20MFR%20BON%20AFF%20SOC%20CHN%20PL%20MORT.pdf)
[13BON42 MFR BON AFF CH mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON42%20MFR%20BON%20AFF%20CHN%20MORT.pdf)
[13BON41 MFR BON AFF Chinook, lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON41%20MFR%20BON%20AFF%20CHN%20PL%20MORT.pdf)
[13BON40 MFR BON AFF Sockeye, Chinook, lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON40%20MFR%20BON%20AFF%20SOC%20CHN%20PL%20MORT.pdf)
[13BON39 MFR BON AFF lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON39%20MFR%20BON%20AFF%20PL%20MORT.pdf)
[13BON38 MFR BON AFF CH mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON38%20MFR%20BON%20AFF%20CHN%20MORT.pdf)
[13BON37 MFR BON AFF lamprey and steelhead morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON37%20MFR%20BON%20AFF%20PL%20STH%20MORT.pdf)
[13BON35 MFR BON AFF lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON35%20MFR%20BON%20AFF%20PL%20MORT.pdf)
[13BON31 MFR BON AFF lamprey sockeye chinook morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON31%20MFR%20BON%20AFF%20lamprey%20sockeye%20chinook%20MORT.pdf)
[13BON30 MFR BON AFF lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON30%20MFR%20BON%20AFF%20Lamprey%20MORT.pdf)
[13BON29 MFR BON AFF lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON29%20MFR%20BON%20AFF%20lamprey%20MORT.pdf)

**2013 July FPOM**

AFF lamprey morts. **FPOM agreed it was worth trying raising the picket leads for lamprey.**

AFF researcher configuration. WDFW tank configuration memo. **FPOM and BON are ok with the proposal.**

2013 June MOC/MFR.

[13BON28 MFR BON AFF sockeye mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON28%20MFR%20BON%20AFF%20SOC%20MORT.pdf)
[13BON27 MFR BON AFF CH and lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON27%20MFR%20BON%20AFF%20CHN%20PL%20MORT.pdf)
[13BON25 MFR BON AFF Chinook mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON25%20MFR%20BON%20AFF%20CHN%20MORT.pdf)
[13BON20 MFR BON AFF CH and lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON20%20MFR%20BON%20AFF%20CH%20and%20lamprey%20mort.pdf)

[13BON19 MFR BON AFF lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON19%20MFR%20BON%20AFF%20lamprey%20mort.pdf)

[13BON18 MFR BON AFF lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON18%20MFR%20BON%20AFF%20lamprey%20mort.pdf)

[13BON17 MFR BON AFF and LPS lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON17%20MFR%20BON%20AFF%20and%20LPS%20lamprey%20morts.pdf)

[13BON16 MFR BON AFF chinook mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON16%20MFR%20BON%20AFF%20CH%20morts.pdf)

[13BON15 MFR BON WS lamprey flume morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON15%20MFR%20BON%20AFF%20WS%20Lamprey%20flume%20lamprey%20morts.pdf)

[13BON14 MFR BON AFF chinook and sockey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON14%20MFR%20BON%20AFF%20chinook%20and%20sockey%20morts.pdf)

[13BON13 MFR BON AFF lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON13%20MFR%20BON%20AFF%20Lamprey%20mort.pdf)

[13BON12 MFR BON AFF chinook morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON12%20MFR%20BON%20AFF%20CH%20morts.pdf)

[13BON11 MFR BON AFF chinook mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON11%20MFR%20BON%20AFF%20CHN%20MORT.pdf)

[13BON10 MFR BON AFF chinook mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON10%20MFR%20BON%20AFF%20CHN%20MORT.pdf)

[13BON09 MFR BON AFF chinook mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON09%20MFR%20BON%20AFF%20CHN%20MORT.pdf)

[13BON08 MFR BON AFF chinook mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON08%20MFR%20BON%20AFF%20chinook%20mort.pdf)

2013 June.

TDA Shad Fishery. Cordie reported that this appears to be a hook and line effort to get bait for their sturgeon broodstock program. Hausmann said Whiteaker has been collecting shad for Yakama Nation at the AFF. FPOM agreed that they could get their shad from the AFF.

WDFW BON AFF study. Conder asked if this will be the final year of WDFW’s study. Stephenson said this is the final year for this study.

2013 April. AFF modifications. Hausmann asked if the 1” gap in the baffle above the water surface is a concern. Meyer and Fredricks agreed there are concerns with that gap. Meyer would prefer to minimize surface disturbance and have a little bit more flow go under the baffle. FPOM says close the gap and change the direction of the bolts so they are pointing upstream rather than downstream. Hausmann said they can do that when they are in there next week.

2013 February. AFF modifications and PIT tag detector. This installation will be put off a year to allow for the AFF PDT to complete their mods and monitoring. FPOM agreed with the desire to delay installation.

**2012 September (MOC/MFR)**

[12BON35 MFR BON AFF chinook mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON35%20MFR%20BON%20AFF%20chinook%20mort.doc)

[12BON33 MFR BON AFF chinook mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON33%20MFR%20BON%20AFF%20chinook%20mort.doc)

[12BON32 MFR BON AFF lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON32%20MFR%20BON%20AFF%20lamprey%20mort.doc)

2012 September. AFF mods (Rerecich). Rerecich reported that a charter has been written and has been routed. Waiting for a PM to be assigned. Expect CRFM funding with construction anticipated for FT13. Fredricks would like to have input in the process at the 30%, etc. Fredricks expressed his concern about the delays. Lorz said if the AFF isn’t modified, then CRITFC isn’t going to approve the adult studies for 2013.

**2012 August (MOC/MFR)** [12BON31 MFR BON AFF lamprey and Chinook mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON31%20MFR%20BON%20AFF%20lamprey%20and%20Chinook%20mort.doc)

**2012 July (MOC/MFR).**

[12BON29 MFR BON AFF chinook mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON29%20MFR%20BON%20AFF%20chinook%20mort.doc)

[12BON28 MFR BON AFF juv chinook mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON28%20MFR%20BON%20AFF%20juv%20chinook%20mort.doc)

[12BON27 MFR BON AFF sockeye mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON27%20MFR%20BON%20AFF%20sockeye%20mort.doc)

[12BON24 MFR BON AFF trashrack morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON24%20MFR%20BON%20AFF%20trashrack%20morts.doc)

[12BON22 MFR 120629 BON AFF lamprey morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON22%20MFR%20120629%20BON%20AFF%20lamprey%20morts.doc)

**2012 June (MOC/MFR)**

[12BON21 MFR 120627 BON AFF lamprey sockeye morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON21%20MFR%20120627%20BON%20AFF%20lamprey%20%20sockeye%20morts.doc)

[12BON20 MFR 120626 BON AFF lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON20%20MFR%20120626%20BON%20AFF%20lamprey%20mort.doc)

[12BON19 MFR 120626 AFF jack chinook morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON19%20MFR%20120626%20AFF%20jack%20chinook%20morts%20.doc)

[12BON18 MFR 120625 AFF jack chinook morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON18%20MFR%20120625%20AFF%20jack%20chinook%20morts%20.doc)

[12BON17 MFR BON AFF lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON17%20MFR%20BON%20AFF%20lamprey%20mort.doc)

[12BON16 MFR BON AFF lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON16%20MFR%20BON%20AFF%20lamprey%20mort.doc)

2012 February. FPOM has significant concerns regarding the lack of maintenance at BON and the associated risk put on fish passage and fish safety.

2012 January. FPOM suggests SCT could prioritize AFF mods funding as part of the research evaluation work.

2011 November (MOC/MFR). [111207 BON AFF 2011 12-7 AFF Improvement Memo NOAA](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/111207%20BON%20AFF%202011%2012-7%20AFF%20Improvement%20Memo%20NOAA.doc)

2011 November. AFF mods Task group. (Rerecich). Mackey turned the chairmanship over to Rerecich. FPOM requested a task group meeting on 21 November.

**2011 October (MOC/MFR).**

[111011 BON AFF Chinook mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/111011%20BON%20AFF%20Chinook%20mort.doc)

[111011 BON AFF Coho mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/111011%20BON%20AFF%20Coho%20mort.doc)

[111006 BON AFF Chinook mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/111006%20BON%20AFF%20Chinook%20mort%20.doc)

2011 September. (MOC/MFR).

[110928 BON AFF Chinook morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110928%20BON%20AFF%20Chinook%20morts%20.doc)

[110920 BON AFF Chinook mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110920%20BON%20AFF%20Chinook%20mort%20.doc)

[110920 BON AFF Coho mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110920%20BON%20AFF%20Coho%20mort%20.doc)

[110912 BON AFF Chinook mort #2](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110912%20BON%20AFF%20Chinook%20mort%20%232%20.doc)

[110912 BON AFF Chinook mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110912%20BON%20AFF%20Chinook%20mort%20.doc)

[110909 BON AFF Chinook mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110909%20BON%20AFF%20Chinook%20mort%20.doc)

[110906 BON AFF Coho mort 1 of 2](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110906%20BON%20AFF%20Coho%20mort%201%20of%202.doc)

[110906 BON AFF Coho mort 2 of 2](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110906%20BON%20AFF%20Coho%20mort%202%20of%202.doc)

2011 August. (MOC/MFR).

[110822 BON AFF Salmonid mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110822%20BON%20AFF%20Salmonid%20mort%20.doc)

[110801 AFF Salmonid mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110801%20AFF%20Salmonid%20mort%20.doc)

2011 August. BON AFF. WDFW needs to provide justification as to why they feel they may fall under the US v Oregon exception.

2011 July (MOC/MFR)

[110720 BON AFF lamprey mort.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110720%20BON%20AFF%20lamprey%20mort.doc)

2011 June (MOC/MFR).

[110628 BON AFF Sockeye mort .doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110628%20BON%20AFF%20Sockeye%20mort%20.doc)

[110627 BON AFF Sockeye mort .doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110627%20BON%20AFF%20Sockeye%20mort%20.doc)

2011 May.

FPOM will not relax the AFF protocols for the WDFW mortality study.

BON AFF picket lead procedure modifications. Mackey, Lorz and Fredricks do not have an issue with CRITFC’s proposal of opening the picket leads while changing anesthetic water and not counting that against their four hour sample period, as long as water temps are below 70°F.

2010 October (MOC/MFR). [101007 BON AFF CH mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/101007%20BON%20AFF%20CH%20mort.doc)

2010 September (MOC/MFR)

[100927 BON AFF CH morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/100927%20BON%20AFF%20CH%20morts.doc)
[100923 BON AFF CH morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/100923%20BON%20AFF%20CH%20morts.doc)
[100922 BON AFF CH mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/100922%20BON%20AFF%20CH%20mort.doc)
[100910 AFF CH mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/100910%20AFF%20CH%20mort.doc)
[100902 AFF Coho mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/100902%20AFF%20Coho%20mort.doc)
[100901 AFF CH mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/100901%20AFF%20CH%20mort.doc)

2010 August (MOC/MFR)

[100830 BON AFF morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/100830%20BON%20AFF%20morts.doc)
[100813 BON AFF steelhead mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/100813%20BON%20AFF%20steelhead%20mort.doc)
[100812 BON AFF STHD](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/100812%20BON%20AFF%20STHD.doc)

2010 July (MOC/MFR)

[100727 AFF CH mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/100727%20AFF%20CH%20mort.doc)
[100723 BON AFF lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/100723%20BON%20AFF%20lamprey%20mort.doc)
[100719 BON AFF steelhead mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/100719%20BON%20AFF%20steelhead%20mort.doc)
[100714 BON AFF flume morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/100714%20BON%20AFF%20flume%20morts.doc)

2010 June (MOC/MFR). [100630 AFF CH mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/100630%20AFF%20CH%20mort.pdf)

2010 May (MOC/MFR). [100510 TAC response letter](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/100510%20TAC%20response%20letter.pdf)

2010 April.

FPOM preferred the detailed version of the AFF change form. FPOM wants to see the comparisons of fish passage for the same hours rather than what was originally provided. ODFW is inclined to support the change form if the data is received. USFWS is ok with beginning the new operation as long as the data is provided by a specific date. NOAA Fisheries is ok with the change form. Lorz and Fredricks agreed that one picket lead is good up until 12000 fish, when at least two must be up.

FPOM says ok to removing the center picket leads and implementing the new Appendix G protocols, as outlined in the new change form 11AppGBON001.

2009 September (MOC/MFR)

[090924 BON AFF CH mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090924%20BON%20AFF%20CH%20mort.doc)
[090909 BON AFF CH mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090909%20BON%20AFF%20CH%20mort.doc)

2009 August (MOC/MFR) [090831 BON temperature probes](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090831%20BON%20temperature%20probes.doc)

2009 June (MOC/MFR)

[090629 BON AFF CH mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090629%20BON%20AFF%20CH%20mort.doc)
[090623 BON AFF CH mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090623%20BON%20AFF%20CH%20mort.doc)
[090615 BON CRITFC CH morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090615%20BON%20CRITFC%20CH%20morts.doc)

2009 May. BON AFF trapping operations. FPOM says to adjust the work schedule to see how if more fish are trapped. A more detailed discussion can occur at the 25 June AFF meeting.

2008 September (MOC/MFR). [080905 BON CRITFC CH morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/080905%20BON%20CRITFC%20CH%20morts.doc)

2008 August (MOC/MFR) [080801 BON CRITFC CH mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/080801%20BON%20CRITFC%20CH%20mort.doc)

**2008 July (MOC/MFR).**

[080723 BON AFF Stlhd mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/080723%20BON%20AFF%20Stlhd%20mort.doc)
[080722 BON AFF Lamprey mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/080722%20BON%20AFF%20Lamprey%20mort.doc)

**2008 June (MOC/MFR).** [080627 BON CRITFC CH mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/080627%20BON%20CRITFC%20CH%20mort.doc)

**2007 July (MOC/MFR).**

[070706 BON CRITFC Dead sockeye](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/070706%20BON%20CRITFC%20Dead%20sockeye.doc)
[070702 BON CRITFC Dead sockeye](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/070702%20BON%20CRITFC%20Dead%20sockeye.doc)

**2007 July**. Bonneville Dam Adult Fish Facility Mortalities. Due to the numbers of dead sockeye at the AFF, Bonneville Project Fisheries halted sockeye sampling until FPOM would weigh in. T. Lorz suggests the shad numbers may stress sockeye. FPOM prioritized sockeye sampling over shad sampling. As long as CRITFC is sampling sockeye, there will be no shad sampling.

2007 June (MOC/MFR). [070616 BON Dead sockeye](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/070616%20BON%20Dead%20sockeye.doc)

2007 May. Bonneville AFF Picket Leads. G. Fredricks suggested FPOM approve four leads down in the morning until 1100 then open at least two until 1600, when all four could be dropped back down until 2000. FPOM agreed to the split window with all four leads down. It was also stressed that if two leads remain down from 1100 until 1600 then someone must be in the lab with the flumes open. If all four leads are pulled from 1100 until 1600 then the lab MUST be in bypass mode. This deviation to FPP appendix G is for So. Fork Salmon fish only and there is no deviation allowed when the temperatures result in modified trap operations. Also, this is the last year for this research; we will not revisit this issue next year.

2006 July (MOC/MFR). [060716 BON Dead salmonids](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/060716%20BON%20Dead%20salmonids.doc)

2006 June (MOC/MFR). [060614 BON CRITFC CH mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/060614%20BON%20CRITFC%20CH%20mort.doc)

2006 May (MOC/MFR). [060531 BON adult chinook mortalities](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/060531%20BON%20adult%20chinook%20mortalities.doc)

2005 September (MOC/MFR). [050915 BON CRITFC CH mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/050915%20BON%20CRITFC%20CH%20mort.doc)

2005 June (MOC/MFR).

[050612 BON UI CH mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/050612%20BON%20UI%20CH%20mort.doc)
[050612 BON AFF Mort UI](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/050612%20BON%20AFF%20Mort%20UI.doc)

2004 July (MOC/MFR). [040706 BON UI tagging mortality](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/040706%20BON%20UI%20tagging%20mortality.doc)

2003 September (MOC/MFR). [030909 BON CO mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/030909%20BON%20CO%20mort.doc)

2003 August (MOC/MFR). [030827 BON PSMFC chum sample request](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/030827%20BON%20PSMFC%20chum%20sample%20request.doc)

2003 July (MOC/MFR).

[030716 BON CH mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/030716%20BON%20CH%20mort.doc)
[030715 BON CH mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/030715%20BON%20CH%20mort.doc)
[030709 BON STHD mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/030709%20BON%20STHD%20mort.doc)

2003 April (MOC/MFR).

[030424 BON CH mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/030424%20BON%20CH%20mort.doc)
[030422 BON hoist OOS](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/030422%20BON%20hoist%20OOS.doc)
[030422 BON CH mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/030422%20BON%20CH%20mort.doc)

2002 June (MOC/MFR). [020604 BON AFF mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/020604%20BON%20AFF%20mort.doc)

2002 January (MOC/MFR). [020122 BON STHD mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/020122%20BON%20STHD%20mort.doc)

2001 August (MOC/MFR). [010831 BON CH mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/010831%20BON%20CH%20mort.doc)

2001 May (MOC/MFR). [010504 BON CH mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/010504%20BON%20CH%20mort.doc)

2001 April (MOC/MFR). [010412 BON CH mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/010412%20BON%20CH%20mort.doc)

2001 March (MOC/MFR). [010305 BON STHD mort](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/010305%20BON%20STHD%20mort.doc)

JUVENILE MONITORING FACILITY

2022 March MOC/MFR

[22BON005 early release of 10.8M tules from SCNFH.pdf (crohms.org)](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON005%20early%20release%20of%2010.8M%20tules%20from%20SCNFH.pdf)

[22BON002 MFR JMF Hydrocannon Outage](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON002%20MFR%20JMF%20Hydrocannon%20Outage.pdf)

2018 May MOC/MFR [18BON09 MFR Juvenile Sockeye Mortalities](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON09%20MFR%20JMF%20Juvenile%20sockeye%20mortality.pdf)

2015 December MOC/MFR. [15BON88 MFR debris issues and delays](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON88%20MFR%20debris%20issues%20and%20delays.pdf)

2015 February FPOM. 2015 February FPOM. Condition Monitoring. FPOM will continue to have discussions regarding monitoring at the dams and how that ties in with Smolt Monitoring. Fredricks said he does not want to see additional handling of fish. FPOM would like to see the RFP so they can better understand what is being requested by the contractor. Bailey will mail to FPOM.

2013 November FPOM. FFU Kelt monitoring plan. Fredricks had some concerns between FFU and PSMFC. Martinson said he will talk with DeHart about SMP personnel reviewing the tapes on the weekends, when FFU isn’t working. Klatte brought up the concerns regarding the trigger. BPA believes the video will increase the accuracy of the counts and therefore the trigger may need to be adjusted. Lorz and Fredricks quickly were fired up about the suggestion that the counting accuracy should somehow influence the trigger. FFU will install the new monitoring equipment. The trigger discussion will occur on another day.

2013 October MOC/MFRs. [13BON91 MFR BON JMF salmonid morts](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON91%20MFR%20BON%20JMF%20MORTS.pdf)

2013 February MOC/MFR. 13BON04 MFR BON DSM outfall morts.doc

2012 November. NWW truck transport release site at Hamilton Island (BON). FPOM said no new locations and Klatte said no discharging of firearms/pyrotechnics by USACE employees.

2012 February. FPOM has significant concerns regarding the lack of maintenance at BON and the associated risk put on fish passage and fish safety.

2011 December. CRITFC video monitoring. FPOM requested more information about the ray sighting at the BON JMF.

2011 November MOC/MFR. [111115 BON DSM2 morts.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/111115%20BON%20DSM2%20morts.doc)

2011 January. FPOM is ok with continuing the CRITFC video monitoring at the BON JMF for another year.

2009 December. BON JMF upper switchgate. FPOM would like to have the Project observe how well the new neoprene seal works this year. At this time, routine maintenance is the only fix available.

2009 August (MOC/MFR) [090831 BON temperature probes](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090831%20BON%20temperature%20probes.doc)

2009 March (MOC/MFR) [090319 BON JMF leaky valve notification](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090319%20BON%20JMF%20leaky%20valve%20notification.doc)

2008 May. FPOM agreed to the installation of an isolation/drain valve in the NWW fish truck release site at BON. The location will be easier to access than the current valve.

**2007 October**. FPOM says okay to the CRITFC video monitoring pilot study at Bonneville’s JMF.

**2007 July**. B. Klatte: morning reading will be the instantaneous reading, will determine sampling. R. Martinson: would be nice before 0700 so as to not bias the sample. T. Mackey: Bonneville will go with Rick’s handout Option 2. The Project has the ability to move the switchgate if it gets stuck.

2007 May (MOC/MFR). [070518 BON juvenile mortalities in SMF](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/070518%20BON%20juvenile%20mortalities%20in%20SMF.doc)

2007 April (MOC/MFR). [070416 BON elevated mortalites at the JMF](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/070416%20BON%20elevated%20mortalites%20at%20the%20JMF.doc)

2007 March (MOC/MFR). [070309 BON elevated mortalites at the JMF](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/070309%20BON%20elevated%20mortalites%20at%20the%20JMF.doc)

2004 April (MOC/MFR). [040414 BON elevated mortalities at SMF](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/040414%20BON%20elevated%20mortalities%20at%20SMF.doc)

2004 March (MOC/MFR). [040302 BON hydro cannon OOS](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/040302%20BON%20hydro%20cannon%20OOS.doc)

2003 March (MOC/MFR).

[030305 BON bypass flume debris jam](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/030305%20BON%20bypass%20flume%20debris%20jam.doc)
[030302 BON bypass flume debris jam](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/030302%20BON%20bypass%20flume%20debris%20jam.doc)

2002 January (MOC/MFR). [020116 BON pipe inspection](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/020116%20BON%20pipe%20inspection.doc)

B2 CORNER COLLECTOR

2022 March MOC/MFR

[22BON006 attachment 1 220321 FPOM B2CC operation audio.mp4](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON006%20attachment%201%20220321%20FPOM%20B2CC%20operation%20audio.mp4)

[22BON006 B2CC operation in-lieu of the kelt trigger](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON006%20MOC%20B2CC%20operation%20inlieu%20of%20the%20kelt%20trigger.pdf)

[22BON005 early release of 10.8M tules from SCNFH](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/22BON005%20early%20release%20of%2010.8M%20tules%20from%20SCNFH.pdf)

2017 July MOC/MFR [17BON26 MOC B2CC closure for B2FGE repair](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON26%20MOC%20B2CC%20closure%20for%20B2FGE%20repair.pdf)

2017 March MOC/MFR

[17BON05 B2CC Closure](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON05%20MOC%20B2CC%20Closure%20Update.pdf)

[17BON04 MOC FGE B2CC Coordination](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/17BON04%20MOC%20FGE%20B2CC%20Coordination.pdf)

2016 February MOC/MFR. [16BON06 B2CC opening date](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/16BON06%20B2CC%20opening%20date%20-%20RETRACTED.pdf)

2015 December MOC/MFR. [15BON88 MFR debris issues and delays](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/15BON88%20MFR%20debris%20issues%20and%20delays.pdf)

2015 February FPOM. FPOM agrees with both BON and TDA providing involuntary spill first through the surface passage routes before going to the spillway.

2014 April FPOM. BON B2CC avian lines. Cork line has been re-installed. USDA could not re-install avian lines prior to spill season. FPOM said to focus hazing in the area and keep an eye on the avian activity.

2014 January FPOM. BON B2CC repairs. Hausmann reported that nothing looked worse than last year. Fredricks just wants an update each winter maintenance season. Rerecich added that there isn’t funding for repairs so they are monitoring. Lorz and Fredricks asked why there isn’t CRFM funding. They believe this is something that needs to be funded and long term fixes made.

2013 December MOC/MFRs.

[13BON89 B2CC hydrofoil test](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON89%20B2CC%20hydrofoil%20PIT%20detector%20test%202014.pdf)
[13BON89 B2CC hydrofoil test attachment 1](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON89%20attachment%201%20Prototype%20Forebay%20PIT-Tag%20System%20PWS.doc)

2013 March (MOC/MFR) [13BON05 B2CC hydrofoil PIT detector test](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/13BON05%20B2CC%20hydrofoil%20PIT%20detector%20test.doc). 13BON05 B2CC hydrofoil PIT detector test. (attached). Laughery provided a .ppt presentation. CRITFC is ok with the installation as long as it doesn’t significantly impact B2CC operations. Hevlin thanks Fredricks for working out the bugs on this project in NWP rather than at LWG. Fredricks said he figured it would impact less fish at the B2CC than at a TSW at LWG. Fredricks also noted that this test is scheduled for a time when sub-yearlings pass and sub-yearlings do not use the B2CC as much as the spring fish. There will not be any additional fish tagged to pass through this system. FPOM is in agreement with moving this test forward

2013 February. BON B2CC open date. FPOM (except BPA, and USACE) supports 2 fish/2 days trigger and then open on the 18th if the trigger isn’t met.

**2012 June.**

NOAA says stop barging fish from MCN. CRITFC supports that position. The transport COP needs to be updated. Setter says it should be ready by the end of the year.

FPOM suggested:

1. Replacing the lines at the BON B2CC
2. Look at additional lines below the TDA bridge.
3. Stop barging at MCN and put in a spillway avian array, similar to JDA. Consider boat-based hazing. Setter suggested limited lethal take would be more effective.
4. Put weight on the barrels so when the barrels rotate to allow debris to pass, the weights will pull them back into position. This will keep the spider wire above water.
5. Devise a more flexible hazing program so hazers can move to problem areas (from one dam to another) overnight.
6. Look at limited lethal take.

FPOM said the restringing of the avian lines at the B2CC can wait until next winter maintenance season. Hausmann said they can have a hazer sit at the outfall to haze.

**2012 April (MOC/MFR)** [12BON09 B2CC avian lines not installed.doc](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/12BON09%20B2CC%20avian%20lines%20not%20installed.doc)

2012 February. FPOM has significant concerns regarding the lack of maintenance at BON and the associated risk put on fish passage and fish safety.

2011 July. FPOM suggested removing the BON B2CC avian wires and monitoring the area for any increase in bird activity.

2011 March. BON B2CC triggers. FPOM agrees to start discussions with the 2010 B2CC triggers- 2 fish for 2 days with 20 fish accumulated. Further trigger discussion is needed.

2011 February MOC/MFR.

[110218 BON PRIORITY PH CHANGE\_B2CC OPENING](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110218%20BON%20PRIORITY%20PH%20CHANGE_B2CC%20OPENING.doc)

[110217 BON B2CC PIT tag testing](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/110217%20BON%20B2CC%20PIT%20tag%20testing.doc)

[120209 Fredricks updated 2012 2-8 BON Kelt Trigger for 2012 (Including Data for BPA)](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/120209%20Fredricks%20updated%202012%202-8%20BON%20Kelt%20Trigger%20for%202012%20%28Including%20Data%20for%20BPA%29.doc)

2011 February. FPOM did not support keeping the B2CC out of service for most of the month of March for repairs and PIT tag testing. The PIT tag work may need to wait. Schwartz said he would resend the pictures and maybe the contractor could fill the holes with epoxy for now and doing the more extensive work could be done after spill season.

2010 April (MOC/MFR)

[100426 BON B2CC closure](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/100426%20BON%20B2CC%20closure.doc)
[100414 BON B2CC Closure Request](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/100414%20BON%20B2CC%20Closure%20Request.doc)

2010 April. Regarding BON B2CC closure on 20 or 21 April - BPA supports it. USFWS reluctantly agrees. CRITFC- yes. NOAA says if U11 was operable then the study would make sense, yes. ODFW does not object.

2010 March (MOC/MFR) [100310 BON B2CC](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/100310%20BON%20B2CC.doc)

2010 March. FPOM says, since the work on BON PH2 is a requirement, the B2CC may be closed to accommodate the BGS repair work and the PNNL equipment installation. It should be noted that FPOM wasn’t thrilled with the timing.

2009 May (MOC/MFR) [090504 BON B2CC PIT tag detector outage](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090504%20BON%20B2CC%20PIT%20tag%20detector%20outage.doc)

2009 March. FPOM recommends meeting after SCT on 19 March to discuss triggers for opening the B2CC.

2009 February (MOC/MFR) [090204 B2CC repairs delay](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090204%20B2CC%20repairs%20delay.doc)

**2008 June**. FPOM agreed that BON Project will close the B2CC as soon as possible after midnight on 31 August 2008 and no later than 2 September 2008. Adult attraction flow from spill bays 1 and 18 will remain set at 6” for 24 hours a day until the B2CC is closed.

2008 May. FPOM agreed to closing the B2CC from 1000-1600 sometime the week of 11 May and suggested the sooner the better.

2008 April. FPOM says it is OK to close the B2CC for 12 hours and gives the flexibility to move the outage to the 17th if Spring Creek Fish have not yet passed.

**2008 March**. FPOM says BON can close the B2CC to accommodate BGS realignment dives. The work has to get done in March, no closure or diving will be allowed in April.

**2008 January**. FPOM agreed to delay opening the B2CC until 3 March.

2007 August. Bonneville B2CC closure. Due to 31 August falling on a Friday before a holiday weekend, the Project suggested closing the B2CC either 30 August or 04 September. FPOM members didn’t appear to have a strong bias for one day or the other and thus left the final decision up to Bonneville. It was suggested that, since 30 August would require coordination with the judge and Plaintiffs, perhaps 04 September would be easier. FPOM (BPA not in attendance) requested an email be sent and they would provide comments.

2007 March. B2CC plunge pool/ staff gauge request. Bonneville Project requests a 12’ tailwater elevation and B2CC closure on 22 March to facilitate both a plunge pool dive and work on the Washington shore fishway staff gauges. The dive is to look at the plunge pool in an attempt to determine why and how the mattresses shifted. FPOM okays a 1200 – 1600 B2CC closure and tailwater restraint for 22 March.

SEA LIONS

2021 March MOC/MFR [21BON004 MFR Late start for pinniped hazing](https://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/21BON004%20MFR%20Late%20start%20for%20pinniped%20hazing.pdf)

2018 July MOC/MFR [18BON50 MFR SLEDs OOC](http://pweb.crohms.org/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/18BON50%20MFR%20SLEDs%20OOC.pdf)

2013 May. [Apr 13] Hazing activities. ACTION: Include a hazing appendix to the FPP. Include sea lion hazing guidelines and avian hazing guidelines. Hausmann wanted to discuss the proximity of sea lion hazers to the fishways. Stansell said early on, there were instances of the boat hazers but that should have been corrected. Hausmann said there was a recent occurrence of the hazers in the plume of the Washington Shore fish entrance. FPOM decided they need to go back and revisit the sea lion hazing requirements. FPOM has concerns about firing under water, using seal bombs in the BRZ, proximity to fishways, etc.

2010 June. FPOM does not want the sea lion deterrent blocks in place, along the B2CC when tailwater is high enough to submerge them. The States missed the time to remove them this year but in future years, they need to be removed.

2010 March. FPOM has no concerns with the installation of the DIDSON camera and support system at the BON UMT.

2009 November.

FPOM wants the blocks removed when tailwater elevation gets high so they won’t provide predator habitat.

FPOM mostly approves the installation and testing of the Smith-Root array in the BON UMT. CRITFC could not say they were comfortable that the effects on lamprey could be measured. USFWS shares CRITFC lamprey concerns but would like to move forward with the test. In the long run, USFWS doesn’t believe that even if this test goes well, it is not a green light to put it in the river. ODFW agrees with USFWS and CRITFC. NOAA ok with putting the frame in but wants more discussion on the test.

FPOM agrees that the Smith-Root proposal needs to go back to SRWG.

2009 October.

FPOM wants BON Fisheries to investigate further the jumping fish at the PIT tag detectors. Barriers should be installed and sharp edges should be covered.

FPOM agrees to allow the USGS DIDSON test for an hour after 12 October.

2009 February. FPOM will move the Smith-Root proposal to SRWG.

2009 February (MOC/MFR). [090219 UMT Study 2-16-09](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/090219%20%20UMT%20Study%202-16-09.doc)

2008 October. FPOM suggests installing SLEDs in B-branch as a test to keep sturgeon out.

**2008 January**.

Main dam SLED installation delay until the first week in February. FPOM says rent the 65 ton crane once if the timing makes it possible.

S. Bettin will chair a sea lion task group consisting of Fredricks (and other appropriate NOAA rep), Stephenson, Stansell, S. Richards, R. Kruger, D. Wills, B. Hausmann, and D. Benner

**2007 October**. Bonneville maintenance will install the FOG sea lion exclusion bars. They will remain in place until properly built bars are available for installation.

2007 February. Sea Lion Harassment Plan. FPOM recommends the following within the BRZ: no more than 3-5 seal bombs per animal per hazing occurrence; no seal bombs within the BRZ once fish counts have reached 1000 total. Any mortalities will result in immediately ceasing all seal bomb activities within the BRZ. It was recommended that the shoreline be painted so hazers know where their 100 meter limits are. It was reiterated that this is a one year maximum effort. The Corps would really like a letter from NOAA Fisheries supporting this maximum effort.

WILLAMETTE FALLS LOCKS.

2014 April MOC/MFR. [14BON09 MFR WFL Salvage](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/BON%20MOC%20and%20MFR/14BON09%20MFR%20WFL%20Salvage.pdf)