

**OFFICIAL COORDINATION REQUEST FOR
NON-ROUTINE OPERATIONS AND MAINTENANCE**

COORDINATION TITLE- 18WVP01 Trout and M&E

COORDINATION DATE- 21 February 2018

PROJECT- Willamette Hatcheries

RESPONSE DATE- 14 March 2018

Description of the problem –

The F&W Program has, as of 20 February, funded 100K lbs of trout and is working on awarding a task order under the NWW MATOC for Baseline Monitoring and Evaluation spawning ground surveys in the North Santiam, South Santiam, McKenzie, and Middle Fork Willamette sub-basins.

At this time, both activities are not likely to both occur at maximum levels.

Type of trade-off required – WFPOM is being asked to prioritize spawning ground surveys by sub-basin as well as provide input as to whether or not preference is to fund M&E or fund additional trout production.

Baseline M&E – For this discussion, we are operating under the assumption that each sub-basin costs the same to survey but understanding cost will vary. Sub-basins include: North Santiam, South Santiam, McKenzie, and Middle Fork.

Trout

100K lbs has been awarded. Three options at 50K lbs each and one option at 27K lbs may be awarded before 1 July.

Potential Alternatives for NWP and WFPOM to consider –

Alternative A. Fund all M&E and an additional 50K lbs of trout. Baseline M&E = four sub-basins. Trout = 150K lbs.

Alternative B. Drop a sub-basin spawning survey in favor of another 50K lbs of trout. Baseline M&E = three sub-basins. Trout = 200K lbs.

Alternative C (least preferred). Fully fund trout and fund as much M&E as possible. Baseline M&E = one sub-basin. Trout = 277K lbs.

Impact on operation –

If trout production remains at 100K lbs, there will be fewer trout released into some stocking locations, or fewer locations stocked, for calendar year 2019. Desert Springs will still hold the contract and will stock the 100K lbs of trout. More locations could be stocked if more Options are awarded.

If Baseline Monitoring and Evaluation activities are curtailed, there will not be spawning ground surveys completed in the four sub-basins in FY18. This would deviate from BiOp RPA 9.5.1. for Spring Chinook. Choosing this Alternative would require documented coordination with NOAA Fisheries.

Summary statement - expected impacts on:

Spring Chinook –

May be positive if trout stocking is reduced in those areas where we are actively out-planting adult spring Chinook for re-introduction purposes. While we do not have specific studies to cite, best professional judgement would indicate that hungry trout will feed on naturally produced spring Chinook juveniles in our reservoirs.

May be negative if spawning surveys are not conducted, we will not have the longer term data set to determine the hatchery/wild percentages.

Winter steelhead –

May be positive if trout stocking is reduced in those areas where we are actively passing wild winter steelhead upstream of our hydro projects. While we do not have specific studies to cite, best professional judgement would indicate that hungry trout will feed on naturally produced winter steelhead juveniles in our reservoirs.

Neutral if baseline M&E is not conducted. The spawning surveys are for spring Chinook only.

Resident fish –

May be positive if trout stocking is reduced in those areas where resident fish are naturally produced. While we do not have specific studies to cite, best professional judgement would indicate that hungry trout will feed on naturally produced resident fish (possibly adults and juveniles) in our reservoirs.

Neutral if baseline M&E is not conducted. The spawning surveys are for spring Chinook only.

Comments from agencies

ODFW – Please see 18WVP01 Attachment 1.

USFWS -----Original Message-----

From: Hudson, Michael [mailto:michael_hudson@fws.gov]
Sent: Wednesday, March 28, 2018 8:23 AM
To: Mackey, Tammy M CIV USARMY CENWP (US)
<Tammy.M.Mackey@usace.army.mil>
Subject: [Non-DoD Source] Re: [EXTERNAL] WFPOM: 18WVP01 MOC trout and M&E

Tammy,

Thank you for reaching out on this. We do not have any comments to provide on MOC 18WVP01.

mike

On Mon, Mar 26, 2018 at 4:17 PM, Mackey, Tammy M CIV USARMY CENWP (US) <Tammy.M.Mackey@usace.army.mil <mailto:Tammy.M.Mackey@usace.army.mil> > wrote:

Hello Lawrence and Mike,
Just reaching out to see if you had any comments on the MOC 18WVP01. This is the one regarding trout and baseline monitoring and evaluation funding.

Comments were due 14 March but thought I'd reach out to make sure you didn't have comments you wanted to send but hadn't gotten around to it yet.

Thank you,
Tammy

HAPPY SPRING!
Tammy Mackey
Chief, Fish Section
503-808-4318 Office
503-961-5733 Blackberry
Tammy.M.Mackey@usace.army.mil
<mailto:Tammy.M.Mackey@usace.army.mil>

Grand Ronde - -----Original Message-----

From: Lawrence Schwabe [mailto:Lawrence.Schwabe@grandronde.org]
Sent: Tuesday, March 27, 2018 10:19 AM
To: Mackey, Tammy M CIV USARMY CENWP (US)
<Tammy.M.Mackey@usace.army.mil>
Subject: [Non-DoD Source] RE: WFPOM: 18WVP01 MOC trout and M&E

Thanks for the re-sending the packet to me. I can provide you some quick comments for FPOM discussion.

First, seems like FPOM has tasked to group to prioritize spawning surveys for Monitoring and Evaluation. I would argue that baseline monitoring of annual production above the projects would be through monitoring outmigration of juveniles via screw trapping. Estimating the strength of annual production entering the reservoirs would be optimal baseline information on projecting adult returns. It would also be great additional information to operate screw traps below projects to estimate how many juveniles make it out of the reservoir.

As far as prioritizing spawning surveys, I believe that the information collected to date would suggest that stream temperatures effect pre-spawn mortality rates. I would consider spawning surveys above Green Peter on the South Santiam as a high priority RME need due to lack of information. As far as a basis of providing baseline M&E (screw traps would be better), I would prioritize Cougar and Detroit for spawning surveys since this can provide base information in evaluating downstream fish passage facilities as they are constructed. Second priority tier would be the upper Willamette above Lookout (North Fork) and Hills creek. The bottom tier would be Fall Creek and South Fork.

As far as trout mitigation, I believe the WATER Forum or at a minimum, the WATER Steering Team should task the WFPOM to review and prioritize. I believe this exercise has not been tasked to the group or discussed in full in the Steering Team or Forum. There is still to many unknowns to have an effective review of this outside program. I know these are not CRFM funds. Identifying what funds or line item these funds originate from, how much funds are available, what is currently funded, and what is the criteria for review - would be some good base information that should be provided to a review team.

Thanks Tammy

Lawrence Schwabe
Hydrosystem Compliance Specialist
Confederated Tribes of Grand Ronde
503-879-2395

NOAA Fisheries - -----Original Message-----

From: Lance Kruzic - NOAA Federal [mailto:lance.kruzic@noaa.gov]
Sent: Monday, March 26, 2018 11:05 AM
To: Mackey, Tammy M CIV USARMY CENWP (US)
<Tammy.M.Mackey@usace.army.mil>
Cc: Diana Dishman (diana.dishman@noaa.gov) <diana.dishman@noaa.gov>;
Walker, Christopher E CIV USARMY USACE (US)
<Christopher.E.Walker@usace.army.mil>
Subject: Re: [Non-DOD Source] Fwd: ODFW comments on MOC 18WVP01

Hi Tammy,

Thanks for checking back in on this. Given recent developments, we decided not to send letter. I'll give you a call tomorrow to discuss our thoughts. Thanks! Lance

On Fri, Mar 23, 2018 at 12:51 PM, Mackey, Tammy M CIV USARMY CENWP (US) <Tammy.M.Mackey@usace.army.mil> wrote:

Hello Lance,

I haven't seen any comments from NOAA yet regarding MOC 18WVP01 trout and M&E. Are you still intending to submit something?

Thanks,
Tammy

Final coordination results

A contract was awarded to Normandeau to conduct spring Chinook salmon spawning surveys in the North Santiam, South Santiam, McKenzie, and Middle Fork Willamette River subbasins below dams.

Contract options were awarded to Desert Springs for stocking of 200K pounds of rainbow trout (qty. ~505,000) in the Willamette Basin.

Please email or call with questions or concerns.
Thank you,
Tammy

Tammy Mackey
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503-808-4318 Office
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