

Columbia River Total Dissolved Gas TMDL
Adaptive Management Team (AMT) Meeting
03/11/2008
National Marine Fisheries Service
Portland, OR

Attendance: See list at end.

Action Items:

- Gary (NOAA) and Rudd (ACOE) will collaborate to run more models. These will be discussed at the April 8th meeting.

Meeting Notes:

Introductions and overview of meeting agenda.

Ecology/ODEQ review of the comments received on the literature review and spill volume reports (comments were due March 4)

The BPA comments on the methodologies will be posted on the AMT website. Chris Maynard will have the final version of the literature review completed by mid-April. Mark Schneider has completed the Resident Fish Study and will submit it to NOAA for final review any day now, and a final version should be available to the AMT during the May AMT.

Margaret will respond to comments in writing.

Ecology/ODEQ report on revised AMT schedule and transport

The [AMT schedule](#) is posted on the web. We are currently at the end of Step 1. ACOE wants feedback from WDOE and DEQ if there needs to be further analysis. ACOE needs to do spill volume analysis and then run COMPASS model. November is the deadline for when Step 3 should be completed, including all feedback from AMT. The projected 30 day comment period for DEQ will likely be in December. Additional COMPASS models need to be run before June. Rudd mentioned the overlap of the AMT with the next Federal Waiver; Agnes will discuss this with Rudd at a later meeting. The group wants high and low flow years modeled with SYS TDG. Laura's explanation of her modeling methodology is included in the ACOE comments.

COMPASS Discussion (NOAA)

Gary said that we need to make sure that NOAA and COMPASS models are using the same language and criteria. ACOE and NOAA need to agree on COMPASS inputs. Roger (BPA) is concerned that overgeneration spill is not captured in ACOE models. Overgeneration spill is significant to consider from a BPA perspective, however there was discussion if overgeneration is really significant in terms of overall volumes and flows, and whether it can be predicted in this modeling discussion. Overgeneration occurs 25-30% of the time over a 30 year period and yields 20-30,000 kcfs. Agnes proposed that we use ACOE 2007 spill volume results and then

run the COMPASS model. Agnes requested that ACOE, Gary, and Roger use the same years that FPC used in their spill-volume analysis to complete this work, that way spill volumes can be compared for more than the 2007 year. Both FPC and ACOE spill volume reports evaluated the 2007 spill season, see notes from the December AMT notes. . This will be a team effort by Rudd (ACOE) and Gary (NOAA), and an update will be provided to the AMT in April.

Comparative Survivability Study (CSS) (Presented by Steve Hasseker, USFW)

[Comparative Survivability Study](#) was a 10-year multi agency collaborative study. It is posted on the AMT website. Predation was not taken into account and this could be a factor in mortality rates.

Rudd stated that the CSS analysis is not relevant to the question asked (115% requirement removed) and that COMPASS is more comprehensive. Gary (NOAA) said that there are no summer models with CSS and COMPASS – both are spring system models that show if increase spill increase survival. Gary (NOAA) did state that COMPASS and CSS are likely to yield the same results. Rudd (ACOE) said that CSS needs another step that incorporates the 115% requirement. Steve (USFWS) said that it is already incorporated in the analysis. Rudd (ACOE) said that needs to be made apparent. Gary (NOAA) said that we should use COMPASS and CSS together. Laura (ACOE) asked if the CSS model can take into account changes when kcfs are changed. Steve (USFWS) said that it can, but those models haven't been run yet.

Next Steps

Rudd (ACOE) wants two more water years to be analyzed and will communicate which years will be modeled to Andrew and Agnes prior to the April meeting.. Laura (ACOE) will run 2006 and bring in the actuals, because the ACOE spill volume report was not run on the actual data. ACOE / BPA / NOAA want to use COMPASS and HydSym, and will be presenting their findings at a future meeting. Laura (ACOE) said that we need to agree on assumptions with data inputs and parameters, however that is a discussion that needs to occur between ACOE, BPA, and NOAA (the modelers) and will need to be shared with AMT once identified. Agnes said actual observed data needs to be used from the years that FPC used in their spill volume report in order to compare the two reports (FPC and ACOE). Margaret (FPC) said that 2005 isn't good year to model because there was no spring spill. Gary (NOAA) and Rudd (ACOE) will collaborate on running more models and present their findings at April's meeting.

Next meeting: Tuesday, April 8, 2008
9 AM-12 PM
National Marine Fisheries Service, Portland

TDG AMT March 11, 2008 Sign in Sheet

	Name	Organization	Phone #	email
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22	Richard Beck (call in)	D. Rohr + ASSOC		