



SUSITNA-WATANA HYDRO

IFS-TT: Riverine Modeling

Draft Meeting Agenda – SUBJECT TO REVISION

November 13, 14 and 15, 2013

LOCATION: TetraTech, Inc.
1420 5th Ave, Suite 3200
Seattle, Washington 98101
Check www.soundtransit.org/Schedules/Central-Link-light-rail for the light rail schedule from Sea-Tac airport to downtown Seattle.

TIME: **Start: November 13, 8:00 am (AKST)** *Note switch from daylight savings time occurs Nov 03*
Adjourn: November 15, 4:00 pm (AKST)

SUBJECT: Riverine Modeling & Study Integration

GoTo MEETING: <https://www4.gotomeeting.com/register/526112135>
1-800-315-6338 Code 3957

GOAL: *This IFS-TT meeting is intended to provide a forum to review and discuss various riverine-related modeling and study integration efforts. The meeting is centered on the Middle River segment and focused on discussing how the various modeling efforts will be used to address biologically relevant questions related to Project operational effects on fish and fish habitats. The overall goal of the meeting is to seek input from participants regarding the models that are being developed and how these models will be used to address resource questions and issues pertaining to Project operations. See Handout on Meeting Goals, Structure and Outcome.*

WEDNESDAY NOVEMBER 13 MODEL DESCRIPTIONS

8:00 – 8:15 (AKST) Introductions and Facilities/Safety Procedures/Meeting Rules (AEA/TT/MCM) (15 min)

8:15 – 8:30 Meeting Goals and Objectives and Review Agenda (R2) (15 min)

8:30 – 9:15 IFS Framework (R2)(45 min)

9:15 – 10:15 Fish Habitat: Study Objectives and Evaluation Metrics (MEC/R2)) (60 min)

10:15– 10:30 Break

10:30 – 11:30 Geomorphology: Study Objectives and Evaluation Metrics (TT) (60 min)

11:30 – 12:30 Ice Processes: Study Objectives and Evaluation Metrics (HDR) (60 min)

12:30 – 1:30 Lunch (food and beverages provided); caucuses, phone calls

1:30 – 2:30 Groundwater: Study Objectives and Evaluation Metrics (GWS) (60 min)

2:30 – 3:30 Water Quality, Study Objectives and Evaluation Metrics (TT and URS) (60 min)

3:30 – 4:30 Discussion, Review Day 1 Action Items, and Day 2 Agenda



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4:30 Adjourn

THURSDAY NOVEMBER 14 ADDRESSING BIOLOGICAL QUESTIONS

8:00 – 8:30 (AKST) Recap of Day 1 activities, Planned Day 2 Activities and Discuss Biological Questions and Metrics (R2) (30 min)

8:30 – 11:30 Open-Water Habitat Modeling – Review Biological Questions pertaining to Open-Water Conditions
Fish Habitat
Groundwater
Water Quality
Geomorphology

11:30-12:00 Lunch (Box lunches and beverages provided – obtain and continue discussion)

AFTERNOON SESSION

12:00-3:00 Ice Processes/Break-up Modeling – Review Biological Questions pertaining to Ice Cover Conditions
Fish Habitat
Ice Processes
Groundwater
Water Quality
Geomorphology

3:00-3:15 Break

3:15-5:00 BREAKOUT SESSIONS by MODEL and OPEN DISCUSSION (Provides forum for participants to interact with and ask questions of each of the modelers, and provide inputs on metrics)

Session 1 - Fish Habitat (R2/MEC)

Session 2 - Groundwater (GWS)

Session 3 - Water Quality (TT)

Session 4 - Geomorphology (TT)

Session 5 - Ice Processes (HDR)

5:00– 5:30 Summary Debriefs by Session Leads

5:30 Adjourn

FRIDAY NOVEMBER 15 – TYING IT ALL TOGETHER

8:00 – 8:30 (AKST) Recap Day 2 Progress and Review Day 3 Agenda (R2) (30 min)

8:30 – 9:00 Recap IFS Framework (R2) (30 min)

9:00 – 9:30 Operations Modeling (MWH) (30 min)



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- 9:30 – 11:00** **Decision Support Systems – Introduction and Options (R2) (90 min)**
 - IFS – Fish Habitat**
 - Consolidate metrics**
 - DSS - Manual Matrix Method**
 - DSS - USGS DSS System**
 - DSS – Others**
 - DSS - General Discussion**

- 11:00-11:15** **Break (15 min)**

- 11:15 – 3:00** **Roundtable Discussion regarding Day 1-3 Presentations – Summarize Input from Participants**

- 12:30 – 1:00** **Lunch (Lunches and beverages provided – obtain and continue discussion)**

- 3:00 – 3:30** **Break**

- 3:30 – 4:00** **Next Steps**

- 4:00** **Adjourn**

SAFE TRAVELS

