National Stream Internet Workshop Agenda (April 23, 24)

Day 1 (8:30-5:00)

8:30-9:30 Welcome and round-robin introductions (tell us about yourself, interests, and expertise)

9:30-9:45 Landscape Conservation Cooperative system overview (Sean Finn)

Morning theme: Components of a National Stream Internet

9:45-10:00 Stream Internet overview (Dan Isaak)

10:00-10:15 National Hydrography Dataset – current status and future plans (Al Rea)

10:15-10:30 Modified National Hydrography Dataset for SSNM analysis (Dave Nagel)

10:30-10:45 Spatial stream-network models (SSNMs; Erin Peterson & Jay Ver Hoef)

10:45-11:00 Break

11:00:12:00 BIG DATAbases, part 1: What are we monitoring & why?

Designed databases and monitoring programs:

- NAWQA (Daren Carlisle)
- NRSA & NARS (Richard Mitchell)
- WMC/NAMF/BugLab/MAPIT (Scott Miller, Chuck Hawkins)
- CHaMP/ISEMP (Chris Jordan)
- PIBO/AREMP (Jeff Kershner)

Aggregated databases:

- MARIS (Andrew Loftus)
- Western trout and stream fish database (Seth Wenger)
- Genetic databases & eDNA (Helen Neville, David Cowley)
- NorEaST/NorWeST (Dana Infante, Dan Isaak)
- Alaska & AKOATS (Joel Reynolds)
- Lucinda Johnson (Lake databases)
- Open Water Data Initiative (Al Rea)
- Aquatic Surveys Module in NRM (Callie McConnell)

12:00-1:00 Lunch (provided onsite)

1:00-1:30 BIG DATAbases, part 2: Environmental predictor variables

- Wang et al. (2011) NFHAP database (Dana Infante, Gary Whelan)
- StreamCat (Tony Olsen)
- Geology for aquatic ecologists (Chuck Hawkins)

1:30-2:00 New types of spatial analysis & conservation groups

- Mevin Hooten (occupancy models for stream networks, etc)
- Dale Zimmerman (semivariograms for description/diagnosis of stream patterns, etc.)

- David Cowley (spatial modeling of genetic structure)

- National Fish & Wildlife Foundation (Dave Lawrence)
- National Fish Habitat Partnership (Gary Whelan)

Afternoon theme: Finding synergies among scientific questions, data, analyses, and funding to address resource management and information needs

- Holistic approaches for tackling environmental challenges (Jay Ver Hoef and Erin Peterson)

2:00 – 3:30: Open Discussion

- What are the most pressing scientific questions we currently can't, or haven't, answered?
- Are there low-hanging fruit that could be harvested inexpensively (e.g., aggregating existing data, new analyses applied to old data, etc.)?
- What information is needed, but currently lacking? Is there a need for enhanced monitoring programs or databases to house new data?
- Are there specific models or analytical tools that need to be developed before we can answer some of these pressing questions?

3:30-3:45 Break

3:45-4:45 How to make it happen: grant funding & programmatic support

4:45-4:50 Agenda items for tomorrow?

6:00-? Evening social at The Dish

Day 2 (9:00-12:00)

9:00-10:30 Discussion TBD based on Day 1 outcomes

10:30-10:45 Break

10:45-12:00 Next steps?

12:00 Adjourn (for those with afternoon flights) or lunch & follow-up discussions (for those staying overnight)