Management Questions

1. Is increased winter spill in recent years improving homing rates?
2. When should the winter spill occur (during what months)?
3. Where should the winter spill occur (at which dams)?
4. Is increased spill associated with increased pre-overshoot fallback? Or do pre-overshoot fallback and post-overshoot fallback occur in different seasons?
5. To what extent has the perceived fallback rate at Lower Granite Dam changed with the installation of the PIT antennas in the spillway (=GRS site code), while accounting for spill proportion and overshoot status (pre-overshoot vs post-overshoot)?
6. What is the final population distribution – where do fish end up?

Possible performance measures and/or questions

1. Can we estimate the final fate of the fish from a given DPS and relate that to environmental conditions during the year of adult migration?
2. Can we estimate the change in homing success that is due to overshoot? Or due to pre-overshoot fallback?
   1. Pr(Overshoot & homing) – Pr(Overshoot)\*Pr(Homing|Not Overshoot) --? or something similar
3. Total probability of homing
4. Pre-overshoot fallback vs post-overshoot fallback
5. - or non-homing fallback vs homing fallback
6. Something about the length of the adult migration, either in km or days (?) - how does migration length relate to eventual homing success? Does it vary with river conditions?