

Ranked IDT funding priorities for any surplus FY20 funds

- a) Additional funds for Habitat Team (channel rehab effectiveness monitoring; currently funded at \$100k, **TIED WITH**
- b) Science needs related to inform flow management
 1. Can variation in the timing of juvenile outmigration from the Trinity explain variation in survival and be influenced by water management? **Tied with**
 2. Can flow management tailored to meet temperature targets be an effective tool to reduce pre-spawn mortality and induce pool temperature stratification for adult salmon holding habitat?
 3. How do flow and flood event timing and duration effect drift food availability and growth of juvenile salmonids?
 4. Development of hydrophone method for monitoring sediment transport on the Trinity River at Douglas City, Limekiln Gulch and Lewiston.
 5. Evaluate how the connectivity timing, controlled by flow management, of intermittently connected off-channel habitats impacts fish use and survival.
 6. Apply the S3 model in conjunction with observed fish size data to evaluate assumptions regarding percent maximum consumption and food as a limiting factor for Chinook Salmon juveniles.
 7. Evaluate the effects of flow event magnitude, duration, and recession on scour (bed, bar, redds), bank collapse, and channel meander. [channel meander? We're not capturing that in a new study]
 8. Does flow management influence cottonwood cohort success at on targeted floodplain surfaces and prevent willow establishment on channel margins? **Tied with**
 9. What are the impacts of a variable flow regime on reservoir levels and river recreational access?
 10. *Evaluate the impacts of higher discharge winter flows on intergravel water temperatures.*
 11. *Evaluate the impacts of peak flow frequency and seasonal timing on turbidity.*
 12. *How can flow releases be optimized for wood transport and deposition.(e.g. wood flux)*
 13. *What is the minimum flow that is required to maintain suitable dissolved oxygen and temperature for juvenile salmonids in fish producing tributaries?*
- c) Additional \$500k of watershed project funding to offset lack of funding in FY19
- d) New SAB contracts

Note: Italics indicate research questions which received no votes and thus are unranked relative to each other.