

Biology Committee Meeting Summary  
February 2-3, 2006  
Grand Junction, Colorado (Holiday Inn, 755 Horizon Drive)

Biology Committee: Tom Chart, Tom Pitts, Gary Burton, John Hawkins, Melissa Trammell, Kevin Gelwicks, Kevin Christopherson, and Dave Speas (Colorado and CREDA were not represented).

Other participants: Trina Hedrick, Pat Martinez, Kevin Bestgen, Dave Irving, Pat Nelson, Tom Czaplá, Bob Muth, Chuck McAda, Angela Kantola, Paul Badame, Tim Modde, and Lori Martin.

Assignments are indicated by “>” and at the end of the document.

February 2, 2006

*CONVENE 9:30 a.m.*

1. Review/modify agenda - The agenda was modified as it appears below.
2. Approve December 14, 2005 and January 9, 2006 meeting summaries - The summaries were approved as written.
3. Review previous meeting assignments - See assignments at end.
4. Other:
  - a. >The Program Director’s office will check to see if they provided a formal response on the Anderson flow recommendations and, if not, will draft a response.
  - b. 2007 recovery goal review - Tom Pitts would like to see description of the intended process, timeframe, and lower basin involvement (perhaps a scope of work?). >The Service and Program Director’s office will prepare this.
5. Next meeting: date, agenda items, times and location - Conference call on Thursday, March 2 from 8:00 – 10:00 a.m. to: 1) review RIPRAP revisions, etc.; discuss nonnative fish I&E; . The next meeting will be April 6-7, beginning at 8:00 a.m. on the 6th and concluding by noon on the 7<sup>th</sup>. >Pat Nelson will schedule a Service discussion on Ouray floodplain management in advance of this meeting. >The Program Director’s office will make Mickey & Leigh’s publication available to the Biology Committee in advance of the meeting. The Committee will schedule 1.5 hours for this presentation (>Dan Alonso will contact Mickey and Leigh and let Angela Kantola know the best time for their presentation on April 6<sup>th</sup>). Other agenda items will include: proposed criteria for levels of nonnative fish removal (Tom Chart); a presentation from CDOW on the Elkhead Lake Management Plan; information needs to determine if reservoir operations provide potential opportunity for nonnative fish escapement (George Smith); status update on the

States position/action on establishing “native fish conservation areas” (Colorado, Utah, and Wyoming); stocking/recapture summary and data requirements (Tom Czapla and Chuck McAda); pikeminnow stocking; response to concerns about propagation issues (Chuck McAda and Tom Czapla); report review procedures and how non-Program reports are addressed (Kantola); review of Bestgen report (Effects of Flaming Gorge Dam releases on Lodore/Whirlpool fish community); review of Pitlick’s Colorado River channel monitoring report (Pitlick cannot attend, however, as he’s on sabbatical in Washington until ~September).

6. Finalize 2006 nonnative fish management projects

- a. Review of 2006 nonnative fish management scopes of work (SOW). Major changes to SOWs in 2006 for the Yampa River include (see below for changes to each SOW): changes to Hawkin’s study; South Beach smallmouth bass removal (Lori Martin); smallmouth bass lethal removal in the Yampa River in 2006 (with a caveat of possibly high-grading smallmouth bass for translocation if CDOW finds suitable ponds near Craig [anticipate that CDOW would move the fish if this is done]); changes to Yampa Canyon smallmouth bass removal (i.e., no marking pass) but Service and NPS need to determine how effectiveness will be evaluated; White River smallmouth bass removal in conjunction with Colorado pikeminnow estimate (arrangements need to be made with Pat Martinez to receive fish for isotope work; also, CDOW will look for smallmouth bass in Kenney Reservoir [and Elkhead] but may need assistance); no expansion of northern pike removal into the Chuck Lewis SWA this year (CDOW still looking into this, but for this year at least we’ll focus on Sam Finney’s buffer reach).

Pat Nelson said we’ll need to inform local anglers of the changes in the 2006 work plan for the Yampa River. >Pat Nelson will contact Tom Nesler, Steve Yamashita, and Sherm Hebein to determine the best way to inform the public. We want to clearly explain what we’re doing and why (including the “big picture,” why this year is a special case, etc.).

- #98a Lori Martin’s northern pike work to which bass removal in South Beach portion will be added. Bass will be captured as they are encountered during the northern pike work. This is currently contemplated to include a first marking pass, then 3 subsequent removal passes. >CDOW will revise the SOW. Hawkins’ crew added two supplemental passes to South Beach last year, so the Committee suggested that Lori’s crew pick up those supplemental passes this year, in order to maintain 6 passes. >Lori will see if they can do this.

- #98b Upper Yampa pike translocation will remain unchanged at this time (no moving upstream). Bass captured in this reach will be removed in accordance with continuation of last year’s bass contingency plan (since Elkhead will spill over the old lowered spillway in 2006). Sam has proposed cleaning out the large backwater one mile upstream of the confluence with Elkhead Creek, which he

should be able to accomplish within the existing scope of work (>Dave Irving will check to make sure).

- #110 >Lower Yampa bass & catfish SOW needs minor revision to make sure that it reflects we won't do a marking pass for either bass or catfish and outline how we'll measure effectiveness. The cost of this SOW is not expected to increase.
- #FR-115 Lodore/Whirlpool fish community. Kevin Bestgen has revised this SOW. Dave Speas asked if we're maintaining the same level of control/removal in Whirlpool as previously (yes). If the Committee wants 2005 information summarized, leave in the \$10K; if want them to wait and incorporate that in a future year, the \$10K should be deleted. (The summary of the 2002-2004 work is already written up and is in review.) The Biology Committee was comfortable with waiting to incorporate this with the 2006 results (Bob Muth agreed).
- #124 Duchesne nonnative fish management - Could this work encompass evaluation of Duchesne flows (fish sampling)? >Dave Irving will submit a revised SOW (probably no cost increase).
- #C/18-19 Costs would begin in FY 07. Pat Martinez has responded to Bill Davis' comments, clearing up many of the questions. Pat distributed a paper summarizing conditions under which different fish survive passing through turbines (smallmouth bass may survive, but not likely in large numbers). No FY 06 funds are requested in the SOW (although this work could begin earlier, so >the Program Director's office will stay in touch and let Pat know if FY 06 funds are available).
- #126 Colorado River smallmouth bass removal SOW has been revised per Committee recommendations. Pat Nelson asked if CDOW might be able to add effort to this work to try to get a handle on expanding centrarchids (e.g., in concentration areas)? The Committee thought this was a good idea. >Pat Nelson will work with CDOW and Chuck McAda's shop to see what additional work they can do. Dave Speas suggested breaking out some of the budget items in more detail. >Lori Martin will discuss this with Sherm.
- #125 Middle Yampa River smallmouth bass and northern pike (Hawkins) - The Lily Park 5-mile reach mark and removal portion remains the same. The other 24 miles were formerly divided into a 12-mile treatment and 12-mile control; now the 12-mile control reach will get one marking pass then numerous (8-9) subsequent removal passes. The Committee discussed how bass would be handled (impacts of handling & translocation), but this is dependent on whether CDOW finds a pond, how many fish can be moved there, etc. If CDOW could meet Hawkins' crew at the boat ramp, that would remove most of the burden of translocation. >Hawkins will revise the SOW. >John Hawkins and Lori Martin will discuss the possibility of late summer coordinated tandem electroshocking (>

2 boats).

Revised SOW's are needed no later than next Wednesday, February 8. For all scopes of work, if >PI's have additional needs to be more effective removing nonnative fish, submit those to Pat Nelson by February 8.

8. Finalize remaining new projects for 2006

#121 Evaluation of adult stocked pikeminnow and razorback in the Gunnison River (no larval sampling at this time). Melissa asked why the radiotelemetry portion was deleted. Tom Czapla said the point of the study is to see what fish are in the Gunnison (pikeminnow, razorback and any new nonnative fish species) and we want to try to find spawning locations without telemetry, although that may be appropriate follow-up in a future year. The Committee discussed the value of continuing to collect the larval information and several Committee members endorsed this. >Chuck will determine if it would be possible to add this back in and what the cost would be (previous estimates for this task were \$31.8K for FY 06 and \$34.3K for FY 07). Unless it's clear by the middle of next week (Feb 6—10) that funds are available, however, the larval sampling will be deferred until a future year.

Cyprinid key: The Program Director's office recommends funding 2/3 of the cost, and obligating the Program's 2/3 of 2006 and 2007 costs in 2006.

Increasing heating costs at the 24-Road Hatchery - >Chuck McAda will modify the SOW.

Additional razorback larvae for floodplains - This would require producing larvae for stocking 2-3 weeks before peak flows. Tom Czapla emphasized that our first priority is to produce fish to meet stocking goals, second for the entrainment study (where increasing the number of larvae up to 2M would help the power of their analysis), and third putting razorback in floodplains. If Ouray NFH can do all three, that's fine; otherwise we need to focus on the first two priorities. The fish would be pit tagged after their second year of growth. Tim Modde suggested L-10 or Johnson Bottom (~1 million larvae between the two sites). It might be best to produce these larvae from the backup brood at Wahweap (>Kevin Christopherson will check with Quent on this possibility, and also check on the genetics). >Dave Irving will check with Mike Montagne to figure out if Ouray could produce the fish if Wahweap can't.

Again, revised SOW's are needed no later than Wednesday, February 8.

*ADJOURN 4:15 p.m.*

February 3, 2006

CONVENE: 8:00 a.m

9. Occurrence of burbot in the Upper Green river - Kevin Gelwicks distributed a summary describing recent evidence of burbot in the Green River drainage in Wyoming. They are now in Flaming Gorge Reservoir, so this presents an escapement concern (although they are physoclistous, so they won't have high survival). Pat Martinez suggested the possibility putting a bounty on them in Flaming Gorge. *[April 6, 2006: Pat Martinez said Utah and Wyoming have enacted a mandatory kill regulation on burbot in the Green River drainage.]*
10. Requests for 2006 spring peak flows - Pat said we'll ask for 3 target flows (16,000, 18,000 and 20,000 cfs as opposed to last year's 14,000 16,000 and 18,000), but we won't collect aerial flows or hydrology. We'll try to be ready to do some additional field evaluation if we get flows >20,000. The Service's Salt Lake City office will make the request for the flows. Tom Chart and Dave Speas suggested it would be helpful to include a summary of results from last year's work. The entrainment study will be our research focus this year. Pat said the ultimate goal is to determine how to get drifting larvae out of the river and into floodplains. Kevin Christopherson said we learned last year that 14,000 cfs does not result in an adequate connection for entraining larvae. We still need to determine the minimum flow needed for entrainment and what is the best breach configuration. *[April 6, 2006: The Committee clarified that the objective is to determine the relationship between flow and entrainment rather than a minimum flow.]* Kevin said it would help to get to 16,000 a week earlier so there's some down time between the different flow evaluations. Kevin Bestgen said it would help to extend the season, also. >Dave Speas, Tom Chart and Gary Burton will start work on the request next week, and also will consult with Pat Nelson and Kevin Christopherson.
11. PIT tag acquisition update - Dave Speas said he and Mark McKinstry tried out different tags at the testing facility in Washington and gathered enough information to select a high-quality tag at a reasonable price. Dave said he anticipates being able to get the tags by the end of the month or early March (Ouray NFH wants to tag fish now). More tag readers also are being ordered. Chuck McAda needs to know who's short on readers, and if folks are interested in the new smaller readers. We need to decide what to do with the old tags. Tom Czaplá said he thinks fish captured with old tags should be re-tagged with new tags.
12. Research framework update - Contracting delays set this work back a bit, but it's expected to get back on track very quickly. Progress at this point is as follows:
  - Two meetings with BC (July 12-13, September 19-20, 2005).
  - Kickoff meeting was with PIs and UCRRP (November 8, 2005).
  - Update provided to Management Committee (November 22, 2005).
  - Colorado pikeminnow life history model completed.
  - River regions important to life history of four species identified.
  - Information from studies being assimilated for each life stage and river region by each of

the recovery program elements.

- Key data sets being identified and assimilated.
  - Bottom up approach: Use life history models to identify biotic and abiotic controlling factors for species at each life stage; identify threats associated with controlling factor (e.g., dams regulating river flow and the availability of backwater nursery habitat); link management actions with the threats; for each management action, list where the action has been implemented, the target species, and its efficacy.
  - Framework for adult and juvenile Colorado pikeminnow first; other species will be done after.
  - Format of reports: brief summary information provided in tables; details and lengthier descriptions in appendices.
  - Links to follow up work: if responses to management (e.g., higher recruitment rates in pikeminnow) were not identified in original study, we should note if anyone is doing a follow up study or monitoring.
  - Fully relational Microsoft Access database has been created:
    - 1) Summarizes reports and citations.
    - 2) Allows multiple relationships (species to controlling factors, controlling factors to threats, threats to management action, management action to basins and river miles, management action to species, etc.).
    - 3) Database can be queried to provide brief summary reports or more detailed reports for appendices.
    - 4) Reports can easily be organized by species and life stage, threats, management actions, river miles, subbasins, years, authors, etc.
    - 5) Database can be queried to find missing data— identify threats not addressed by management actions.
    - 6) Minimizes the need to enter duplicate data when a study pertains to several species, life stages, river areas, or has many effects.
13. Upper Colorado River Floodplain Management plan - The Committee will try to finalize this via e-mail. Any remaining comments are due by February 20 (>Pat Nelson will send out an e-mail reminder).
14. Update on Elkhead Construction and Lake Management Plan - Pat Nelson said the screens on the tower outlets will be in place before runoff (can handle ~400 cfs this year); however the new spillway won't be operational this year. Currently the reservoir elevation is at the bottom of the old screened outlet with a remaining volume <3,500 acre-feet. The draft lake management plan is out and Pat sent that and the comments out to the Biology Committee. Pat asked if the Committee still wants a presentation from CDOW on the plan, or if members just want to submit their comments in this second-round of review? The Committee would like a presentation at the April 6-7 meeting (before Bill Elmlblad retires).
15. Report on database workshop and revised stocking/recapture summary - Tom Czapla said they had a workshop at the end of December and have been migrating all the data to Microsoft Access (Excel can't handle enough records). The stocking/recapture summary

was completed for the upper Colorado River a couple of months ago, and they're now working on the Green River. >Tom Czapla will draft text to go with the graphic summary and give that to Chuck McAda and others for review so that they can provide the overall draft summary to the Biology Committee for their review by the April meeting. Chuck noted that it would be good to standardize species codes so they're the same for all data submissions (e.g., State-required reports, Program reports, etc.).

16. Service endangered species permit process updates for 2006 - Tom Czapla said in order to meet national permitting requirements, as permits expire, the Mountain-Prairie Region will send permittees a letter informing them of new requirements (those listed on permits must submit a resume; and permit application summaries will be published in the Federal Register). If anyone has questions, problems, or concerns about getting their permits, call Tom Czapla. >Tom Czapla will post a summary of the new permitting process to the fws-coloriver listserv to make sure everyone is informed.
17. Review reports due list - >Trina Hedrick will check on the Cataract Canyon humpback chub report.
  13. Price River flow recommendations report - Kevin Christopherson said Mike Hudson just told him he won't be able to complete the report, but UDWR is committed to find someone to complete it (Kevin will determine if Paul Badame's work can be reprioritized so he can do it.) >Kevin will get a new due date to the Committee as soon as he determines who will do the report.
  14. Pitlick's Colorado River channel monitoring report - Will be submitted to the coordinator by the end of February.
  15. Miller-Musseter report - Ray Tenney will contract with Miller-Musseter to address our comments and revise the report.
18. Gary Burton said Dave Otis will give a report on concurrent humpback chub population estimates at the April 20-21 Technical Work Group (TWG) meeting (the TWG will ask Tom Czapla and/or Bob Muth to attend that meeting).
19. Gary Burton said the lower basin sees the humpback chub genetics management plan as critical (completion is apparently still awaiting information from the Douglas'). AMP would like to designate funds to finish that plan for the chub in the Grand Canyon and the LCR and perhaps ask Region 6 of the Service to cost-share (Tom Czapla doubted this was possible). Connie Keeler-Foster has offered to do the work.

*ADJOURN 11:00 a.m.*

Biology Committee Meeting Assignments  
February 2-3, 2006

Carry over from previous meetings (some assignments modified in this meeting):

1. Tom Nesler still needs to provide the Committee a criteria assessment for when northern pike and bass removal should be expanded upstream (includes pike, bass, and pikeminnow density estimates). Tom Chart and others are now working on this. The Yampa aquatic management plan can't be revised until this is accomplished (Biology Committee has requested this by the end of the year). Tom Nesler will discuss the status of the revision with Sherm Hebein (complete revision or just an update of nonnative fish control and native fish management sections). The Yampa plan will be revised before Bill Elmlblad retires in 3 months. Tom Chart will work with Kevin Bestgen, Al Pfister, and Patty Gelatt to develop draft criteria for levels of nonnative fish removal (and nonnative fish population levels) and bring it back to the Committee for discussion and presentation to Colorado. Tom Chart will try to have something to the Committee two weeks prior to the next (April) meeting.
2. Tom Czapla is still working with Tom Nesler and Chuck McAda and draft written procedures for who reports what stocking data to whom and when. McAda sent out draft of these procedures this year. Chuck said principal investigators were directed to send their data to him and summary information to Tom Czapla. After reviewing the information received this year, Tom and Chuck will revise procedures, as needed. The other hatcheries now need to provide their stocking data, per the procedures. Tom Czapla will post the procedures to the Program website and provide a summary report of stocking data in advance of the April Committee meeting so the Committee can determine if this provides the information they need.
3. The Service will provide background information on propagation issues/concerns 2 weeks prior to the December meeting (this was deferred to a future meeting). A draft response from Chuck is circulating and will be provided to the Committee for review at a future meeting (after Ouray's information is incorporated).
4. Tom Czapla will work with PI's to develop a statement on how data gathered from tagging all chubs captured in all humpback chub population estimate sampling would be used. This is still pending (needs to be completed before fall sampling).
5. CDOW still needs to re-evaluate stocking pikeminnow in currently unoccupied or unavailable habitats (their stocking plans state that if pikeminnow are not retained in those areas, stocking would be re-evaluated, and many of the stocked fish are being found significantly downstream of those areas). Tom Czapla recommended suspending stocking until Colorado completes the evaluation of potential impacts of downstream movement (and stocking the fish in the San Juan River in the interim). Tom Chart agreed. Tom Nesler concurred via phone. CDOW has not yet completed evaluation of impacts of downstream movement. The question is whether we want to stock fish over

the wild (and fairly stable) population. Currently, we're not surveying in the Rifle to DeBeque reach (although smallmouth bass work will occur there this year). The Committee may want to discuss this further when they discuss the stocked fish evaluation. Tabled for now.

6. CDOW (Sherm Hebein) will look into operations at Rifle, Elkhead and McPhee and determine if reservoir operations provide potential opportunity for nonnative fish escapement and, if so, what the options are to prevent that. George Smith will investigate this for other reservoirs (working with Trina Hedrick in Utah on Flaming Gorge, Starvation, and Bottle Hollow reservoirs). Sherm Hebein said it's imperative to have Service cooperation in working with Reclamation. Sherm and George and Pat Martinez will first develop a list of information that needs to be determined for each reservoir (by the April Biology Committee meeting). It also would be helpful to prioritize the reservoirs of concern. This is likely a fairly large project, so Sherm and George will take a first cut at identifying the overall scope of what needs to be done. A scope of work should be developed (although funding may not be needed). George has prepared a list of reservoirs above Palisade (he hasn't prepared list of reservoirs on the Gunnison River, but will do so and send both lists to the Biology Committee for review within a week).
7. The Flaming Gorge technical work group needs to discuss the potential to use flow management to disadvantage nonnative fish. (When the ROD is completed and group convened.)
8. Pat Nelson, Debbie Felker, Angela Kantola, and Bob Muth will review the I&E-related recommendations from the smallmouth bass summit and nonnative fish workshop, draft recommendations, get review and input from Utah and Colorado, then report back to the Committee (and will include a summary of current I&E on nonnative fish management). This will be discussed at the upcoming I&E meeting, then brought back to the Biology Committee.
9. Pat Martinez will request a revision of the Vernal CRFP's collecting permit for their Colorado pikeminnow population estimate so that they can turn over all smallmouth bass collected on the White River in Colorado to him for isotope analysis. Pat M. will arrange for a place (probably in Rangely) where CRFP can drop off the fish. Pat will go ahead and do this now that the decision has been made to remove bass.
10. Vernal CRFP will keep the Biology Committee informed of the number of smallmouth bass they capture in the White River and if any change is needed in their sampling effort. Dave Irving will modify the FY 06 population estimate scope of work. Researchers will report numbers of smallmouth bass captured from the White River to Committee as quickly as possible. PI's will need to coordinate with Pat Martinez on collection/delivery.
11. Pat Nelson and Melissa Trammell will get back to the Committee on the pheremone idea for nonnative fish control within a couple of months.

12. The Committee requested that Colorado, Utah and Wyoming give a status update on their position/action on establishing “native fish conservation areas” at the April meeting. The Committee is strongly interested in this idea and it will remain on upcoming meeting agendas.
13. Chuck McAda will look at Chris Hill’s GIS CD to see what information it has and Pat Nelson will contact Sherm to see what he has and if CDOW would be willing to fly principal investigators over the river to investigate potential northern pike concentration areas (backwaters, etc.). Chuck said the CD does have some information and he sent it to Pat Nelson (who hasn’t had the opportunity to review it yet). Pat also is talking with Sherm about getting simple aerial photos.
14. The Committee needs to review its report review procedures and also make sure it addresses non-Program reports. Angela Kantola will post the current procedures (Program and non-Program reports) and put this on the April meeting agenda.
15. The Program Director’s office will distribute draft RIPRAP revisions (will include RIPRAP assessment, report recommendations, as well as current 2007 work plan) within 2 weeks for review by conference call in early March (March 2, 8:00 - 10:00 a.m).
16. Colorado will provide recommendations for how PI’s should structure their permit applications to accommodate recommended changes for 2006, including removal of smallmouth bass encountered during northern pike efforts.
17. Pat Nelson will ask Larry Kolz if he thinks it would be better for him to visit each field station or have all researchers bring their rigs to Grand Junction at the same time. Pat Martinez and Lori Martin met with Larry; they will work with Larry to iron out the protocol in Grand Junction, then perhaps have someone from each station come to training (or Larry can visit field sites, if needed).

#### New Assignments

18. The Program Director’s office will check to see if they provided a formal response on the Anderson flow recommendations and, if not, will draft a response.
19. The Service and Program Director’s office will prepare description of the intended process, time frame, and lower basin involvement for the 2007 recovery goal review (perhaps a scope of work).
20. The Program Director’s office will set up the Committee’s March conference call and April meeting.
21. Pat Nelson will schedule a Service discussion on Ouray floodplain management in advance of this meeting. The Program Director’s office will make Mickey & Leigh’s

publication available to the Biology Committee in advance of the meeting. Dan Alonso will contact Mickey and Leigh and let Angela Kantola know the best time for their presentation on April 6<sup>th</sup>).

22. Pat Nelson will contact Tom Nesler, Steve Yamashita, and Sherm Hebein to determine the best way to inform the public about changes in Yampa River nonnative fish management activities in 2006.
23. CDOW (Lori Martin) will revise the 98a SOW (and see if they can add the additional passes Hawkins' crew did last year).
24. Dave Irving will check to make sure Sam can incorporate cleaning out the large backwater one mile upstream of the confluence with Elkhead Creek within the existing 98b SOW.
25. Dave Irving will revise SOW #110 to make sure that it reflects we won't do a marking pass for either bass or catfish and outlines how we'll measure effectiveness.
26. Dave Irving will submit a revised SOW for #124 to include fish sampling to evaluate Duchesne River flows.
27. The Program Director's office will stay in touch and let Pat know if FY 06 funds are available to begin the isotope work (C18/19) in FY 06.
28. Pat Nelson will work with CDOW and Chuck McAda's shop to see what additional work can be done for Colorado River smallmouth bass removal. Lori Martin will discuss this with Sherm. The SOW will be revised to break out the budget items in more detail.
29. John Hawkins will revise SOW #125 to increase smallmouth bass removal. John Hawkins and Lori Martin will discuss the possibility of late summer coordinated tandem electroshocking (> 2 boats).
30. If PI's have additional needs to be more effective removing nonnative fish, submit those to Pat Nelson by February 8.
31. Chuck McAda will determine if it's possible to put larval sampling back in SOW #121, Unless it's clear by the middle of next week that funds are available, however, the larval sampling will be deferred until a future year.
32. Chuck McAda will revise the Grand Valley hatchery SOW to include increased heating costs.
33. Kevin Christopherson will check with Quent on the potential to produce additional razorback larvae for floodplains from the backup brood at Wahweap (Kevin also will check on the genetics). Dave Irving will check with Mike Montagne to figure out if

Ouray could produce the fish if Wahweap can't.

34. Revised SOW's are due to the Program Director's office no later than next Wednesday, February 8.
35. Dave Speas, Tom Chart and Gary Burton will start work on the Flaming Gorge spring flow request next week, and also will consult with Pat Nelson and Kevin Christopherson.
36. Pat Nelson will send out an e-mail reminder that remaining comments on the Upper Colorado River Floodplain Management plan are due by February 20. The Committee will try to finalize this via e-mail.
37. Tom Czapla will draft text to go with the graphical summary of stocking data and give it to Chuck McAda and others for review so that they can provide the overall draft summary to the Biology Committee for their review by the April meeting.
38. Tom Czapla will post a summary of the Service's new permitting process to the fws-coloriver listserver to make sure everyone is informed.
39. Trina Hedrick will check on the Cataract Canyon humpback chub report.
40. Kevin Christopherson will get the Committee a new due date for the Price River flow recommendations report as soon as possible.