



Upper Colorado River Endangered Fish Recovery Program

Dated: November 7, 2012

November 5, 2012, Management Committee Webinar Summary

CONVENE: 9:00 a.m.

1. Introductions, review/modify agenda and time allocations, and appoint a timekeeper.
 - The Committee welcomed new Committee members Patrick McCarthy (TNC) and Bridget Fahey (USFWS).
 - John Shields acknowledged Tom Pitts' receipt of the National Water Resources Association's Lifetime Achievement Award. Tom said how much he appreciates working with everyone in the Program for the last 29 years.
2. Approve August 7, 2012, revised draft meeting summary – Angela Kantola sent a revised draft (based on comments submitted by Tom Pitts) to the Committee on October 23. The Committee clarified the third sentence in item 8.d.(v) to read “Ouray was able to double it with existing funding, but more is needed, along with a new electrical control panel/pump (and funding for both the panel/pump and additional filter capacity).” The Committee and approved the revised draft as final (and Angela Kantola subsequently posted it to the listserv).
3. Legislative update – Tom Pitts recalled that H.R. 6060 made it through the House. Senate action is pending. H.R. 6060 could become part of an omnibus bill, but it's hard to predict at this point. Staff for the majority on the Senate Energy and Natural Resources Committee agrees it would be preferable to have the bill passed. When John Shields was in D.C. last month for the DOI Partners in Cooperation award ceremony, he met with the Senate Energy and Natural Resources Committee staff. John also met with Sen. Barrasso's staffer, who advised that we stay informed and make sure our legislation isn't paired with something which might negatively affect its chances of passing; however, it may not be feasible to do this. The lame duck session begins November 13. Leslie said Congressman Gosar who supported this bill has been redistricted and Glen Canyon is no longer in his district.
4. D.C. Trip planning – Tom Pitts recommended a Tuesday – Friday timeframe for the meetings (with travel on Monday and late Friday). Tom suggested hosting the lunch again on Friday. No Federal employees will participate in the trip. The Committee scheduled the trip for March 19-22. (IAFWA appears to be the week of March 25). John Shields emphasized the need to have a representative from Colorado participate. TNC's participation is also very important. >Non-Federal participants of both Programs will let Angela Kantola know who will be attending so that the Program Director's office can make the appropriate hotel arrangements (John Shields, Tom Pitts are definite so far). John Shields suggested that we also schedule a conference call with staffers, as we did last year.
5. Flow recommendation approval process, draft uniform review process for all Program technical reports – Following on the Committee's discussion at the August meeting, Tom Chart sent the Committee a draft flow recommendation approval process on August 20.

Tom Pitts provided helpful comments and graciously drafted a memo on this topic and a uniform review process for all Program technical reports. Tom Chart sent drafts to the Management Committee recommending the uniform report review process be reviewed by the Biology and Water Acquisition committees and subsequently approved by the Management Committee. Tom asked if the Committee has any issues before this goes to the technical committees. Robert Wigington noted that flow recommendation approval can get somewhat bogged down and asked if we might want to include something indicating that the Program Director's office can set timelines for review. Robert suggested a step may be missing at the beginning where the Program Director's office assigns committees to review the report, so that might be clarified. Finally, we should clarify that the Biology and Water Acquisition committee reviews would be concurrent (parallel, as opposed to serial reviews). Tom Pitts agreed, saying perhaps we might add that the Program Director's office will identify the review process and schedule. Tom Pitts said it sounds like the initial step of assigning committee(s) and concurrent reviews would apply to all reports. >The Program Director's office will suggest revisions to address these issues, review those with Robert Wigington, then send the revised draft to the Biology and Water Acquisition committees with a copy to the Management Committee. Clayton asked if this applies to reviewing flow recommendations for possible modification (e.g., Gunnison and Green rivers). Tom Chart said yes, in that if we had new information that resulted in revised flow recommendations, we'd enter this process again (see page 10: "Proposed revisions to flow recommendations, (which may be presented as specific technical addendum), are subject to the Recovery Program Report Review Process.") Tom Chart will change that to read "*this* Recovery Program Review Process."

6. Capital Projects update (Uilenberg, 30 min.)

- FY2013 budget – Brent said Reclamation is under a continuing resolution until March (at FY12 levels: \$5.77M). With carry-over funding of the unexpended \$1.6M from FY12, this gives a total of \$7.4M. Bridge funding of \$400K from capital funds has been obligated for annual funds to maintain the Programs through the end of December while we wait for the legislation to play out (Reclamation would fall back on the CRSP authority only as a last resort).
- Green Mountain Reservoir Municipal Recreation agreement – The agreement expires at the end of the calendar year, but Reclamation has initiated dialogue with the affected communities. Reclamation's preference is to renew for 40-year term, but will do a 5-year term, at minimum.
- Our past investments in the Grand Valley Water Management project really paid off in the extreme drought year of 2012. GVWU cut back their irrigation diversions in October by over 600 cfs (~38%). Brent expects that the total reduction in diversions in 2012 was 50-60KAF due to the GVWM facilities. Jana said the irrigation season average flow was 400-500 cfs. >Brent will make sure the Management Committee gets a copy of the summary report. To the extent possible with available water, the fish screens were operated with the exception of GVIC. GVWUA was able to operate their screens as the summer went on (and reduced the debris load significantly). Redlands operated their screen virtually 100% of the time. In summary, our facilities really stood up this year. Robert Wigington said the water users really stepped up to the plate to

work cooperatively (TNC and WRA sent them letters of thanks, as did the Service). Tom Pitts agreed that those letters and the related press release were important.

- For 2013, Brent said reservoirs are very depleted and so they've been working on a power interference contract where they would pay Redlands Water and Power to suspend their call for hydropower so Reclamation can store more water in Aspinall (CRWCD would pay for it and perhaps approach Colorado for help through the basin roundtable process). On the Colorado mainstem, Reclamation is working to carry over as much water as possible in Green Mountain (while still respecting winter operations/storage targets).
- OMID canal automation – Reclamation said they're working on the finishing touches for the CWCB grant agreement. Michelle Garrison said CWCB got approved to make advance payment and for the 50-year term and anticipates the agreement being executed shortly. Brent said that will wrap up all the prerequisites agreed to before construction. CalPoly provided a final draft report (revisions are really just technical details). Brent said the next step will be design/specifications of the facilities and determining what to contract in FY13 (e.g., the check structure or the regulating reservoir).
- Tusher Wash – This would be the other item Reclamation would contract for in FY13, assuming NRCS is ready to go. The dam rehabilitation would be constructed with NRCS funds. The e-barrier and a pro-rata portion of the dewatering, etc., would be paid for by the Recovery Program. O&M of the e-barrier would be borne by the Recovery Program. A public scoping meeting will be held November 15 (Reclamation will participate).
- Price-Stubb – Brent said the repair work came in at ~\$700K.
- San Juan hogback fish barrier – Reclamation doesn't yet have a contract with Navajo Nation, but they do have approval letter from Reclamation's contracting office.
- Ouray wells, control panel (and funding) – Bob Norman described the struggle with managing manganese. Bob and Rham Dhan visited last week and the hatchery staff has worked very hard to resolve the problem (including re-plumbing to aerate before filtering the water). (The wells need to be oxygen starved, then oxygen introduced at the point they want to precipitate out the manganese.) The new filters will be plumbed very soon. Pipe cleaning also has been underway. If needed, they can still increase oxygen contact time at the wet well (but this would require subsequent pipe cleaning). They're also now discussing developing an overall plan for the electrical service and panels. Reclamation asked the contractor to prepare a proposal; Bob Norman anticipates something in the \$10-\$20K range and would anticipate altering their current contract with NFWF (with capital or Section 7 funds). The Committee authorized expenditure of up to \$20K of remaining NFWF capital funds (~\$350K) for this. Once we get recommendations for improvements to the system, we'll need to discuss how to fund those. To date, we've used NFWF capital funds for the improvements and USFWS hatchery funds for the filters.

7. Nonnative Fish update

- Harry Crockett said CPW reclaimed Paonia Reservoir last week, apparently successfully. The water providers were very helpful. Equipment was brought in by helicopter and temporary floating docks were constructed. Sampling had indicated northern pike in two tributaries and CPW placed drip stations in those as far up as they could (above sites where pike had been previously captured). Two other tributaries were treated at the mouth. The large majority of fish that Harry saw were pike. No live fish were detected post-treatment. Detoxification was successful and measured rotenone concentrations apparently reached acceptable levels. Outlet works will be reopened once the detoxification is confirmed. About two dozen CPW staff participated and they had help from the Forest Service, also. Prior to treatment, salvage was conducted for native suckers. Tom Chart emphasized how much the Program appreciates CPW's work to make this happen. The Committee echoed these sentiments. Tom Pitts suggested water users and others might want to send letters of thanks to CPW; >Harry will check into what might be appropriate and Tom Pitts offered to subsequently draft a template letter. John Shields suggested the letters make the connection to how this is part of the balanced approach to recovery. >Harry will check with Randy Hampton and others regarding plans to publicize this work.
- Steamboat meeting – Tom Pitts described the meeting on September 11 in Steamboat to talk about nonnative fish management in the Yampa River. They had a good, candid discussion and another meeting is planned for November or early December. Yampa River folks have a long history of cooperation among water users and other parties. The Committee expressed their appreciation for Tom's efforts.
- Little Snake River – Pat Martinez recalled the concern about the presence of northern pike near Baggs, WY. A subsequent cooperative sampling effort confirmed the presence of pike in the Little Snake, though the full extent of their distribution isn't known. Melissa suggested we consider work in the Little Snake among our list of projects for FY13.
- Nonnative Fish Workshop is scheduled in Grand Junction, CO, December 5th and 6th. Pat noted that the Program-specific electrofishing training course planned for next March also will be discussed at the workshop.
- Basinwide strategy - Pat Martinez is working on expediting a boiled-down draft of the strategy that will be easily adaptable to the RIPRAP. The hope is to discuss this with the States' fishery chiefs in late January. Tom Chart said he'd like to schedule a one-day meeting of the Management Committee with the fishery chiefs in Denver near DIA, but Committee members expressed some concern about whether this is the best strategy. Tom said his goal is to be able to effect some changes in the focus of nonnative fish management (to prevention) in 2013 RIPRAP changes (before the full strategy is finalized, probably summer 2013). Tom Pitts and Robert Wigington asked about the possibility of finalizing the full strategy so we establish a Program position. Tom Chart said the short timeframe is his concern, which is why he's suggested boiling this down to RIPRAP-compatible action items (with specific timeframes, etc.). Robert Wigington asked if Tom Chart could send the draft that would go to the fishery chiefs to the Management Committee to gain input before the Program Director's office meets with

the fishery chiefs; Tom agreed. >Tom Chart will provide a bulleted outline of this proposed process.

8. Recovery plans and Lake Powell update – Tom Czapla said the writing team and the Colorado pikeminnow recovery team (Kevin Bestgen, Doug Osmundson, Kirk LaGory and Dave Campbell) will meet at the end of this month to review the revisions made to the 2002 recovery goals (now formatted as a recovery plan). Tom Czapla said that the San Juan Program has sampled in Lake Powell for the past two years and collected many (n>70 individuals; each year) tagged and untagged adult sized razorback sucker and small numbers of larvae. Regions 6 and 2 of the Service will meet at the end of November to discuss what these razorback in Lake Powell mean for recovery and what questions we will want to answer about these fish.
9. Information and Education Update – Debbie Felker thanked folks for their help in preparing the newsletter. Highlights include a Program Director’s update from Dave Campbell, Dale Ryden as 2012 researcher of the year, Lake Powell razorback sucker findings, a feature story on Harry Crockett, combatting illicit nonnative fish stocking, San Juan Program’s river restoration project, and the Questar support of the White River PIT tag antenna. John Shields suggested looking for opportunities to publicize our successes in the 2012 drought year (especially regarding flows).
10. Work planning – Angela Kantola thanked the Committee for approving up to \$3K of Section 7 funds for temporary clerical support in the Program Director’s office. They did not have to tap this funding source after all, because another division in the Regional Office hired a temporary contract administrative support person half-time and so were able to pick up the person for the other half time (and since the other office had already processed the contracting paperwork, this eliminated the problem of the October "no-contract" window. Angela said the FY13 budget is very tight, with almost no “freeboard.” Beginning in January, we will be entering the 2-year work planning process for FY14-15. New considerations on that horizon will include population estimate and research recommendations from the just-approved Razorback Sucker Monitoring Plan report; expanded data management (perhaps for both Recovery Programs) to address increased data from remote PIT tag readers (e.g., in the White River), improved consistency, and analytical needs; and Lake Powell surveys.
11. Review previous meeting assignments and sufficient progress action items (All, 15 min) – See Attachments 1 and 2.
12. Schedule next meeting, webinar, or conference call (All, 5 min) The Committee scheduled a webinar for February 7, from 9 a.m. to 3 p.m. Non-federal Program participants tentatively scheduled a conference call for December 20 at 10 a.m. MST.

ADJOURN: 1:40 p.m.

Attachment 1: Attendees
Colorado River Management Committee Webinar, November 5, 2012

Management Committee Voting Members:

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| Brent Uilenberg | Bureau of Reclamation |
| Michelle Garrison | State of Colorado |
| Tom Pitts | Upper Basin Water Users |
| John Shields | State of Wyoming |
| Bridget Fahey | U.S. Fish and Wildlife Service |
| Melissa Trammell | National Park Service |
| Patrick McCarthy | The Nature Conservancy |
| Clayton Palmer | Western Area Power Administration |
| Leslie James | Colorado River Energy Distributors Association |
| Robert King | State of Utah |

Nonvoting Member:

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| Tom Chart | Recovery Program Director, U.S. Fish and Wildlife Service |
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Recovery Program Staff:

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| Pat Martinez | U.S. Fish and Wildlife Service |
| Debbie Felker | U.S. Fish and Wildlife Service |
| Angela Kantola | U.S. Fish and Wildlife Service |
| Tom Czapla | U.S. Fish and Wildlife Service |

Others

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| Robert Wigington | The Nature Conservancy |
| Harry Crockett | Colorado Parks & Wildlife |
| Jana Mohrman | U.S. Fish and Wildlife Service |
| Dave Speas | Bureau of Reclamation |
| Jerry Wilhite | Western Area Power Administration |

Attachment 2

Meeting Assignments

1. The **Management Committee** will consider naming a floodplain site for Pat Nelson. *The Service's Grand Junction field office is considering what might be an appropriate location. We do have a memorial to Pat on the pikeminnow bench at Walter Walker SWA.*

2. **Tom Pitts** will work with **Clayton Palmer and Brent Uilenberg** and provide a list of additional Program contributions to be added to the Program's budget pie chart that appears in each year's briefing book. *In process.* For the 2012 *Program Highlights*, we used the \$37.4M annualized estimate. By July 2012, **WAPA** will complete modeling and report actual power replacement costs going back to 2001. Subsequently, **WAPA** will provide annual power replacement cost for the previous year each January for inclusion in the *Program Highlights* pie charts. Those pie charts will include a footnote explaining the calculation and assumptions. **Program participants** will identify other significant costs that have not previously been reported (e.g., the Granby component of 10,825 which is estimated at \$16M, \$1.25M contributed by Colorado for GVWM and \$1.5M for OMID, CRWCD contributed property for OMID, etc.). (Discussing this issue on [October 12, 2011](#), the Committee agreed to show the costs identified in the foregoing parentheses, but decided not to try to track smaller additional contributions [e.g., technical committee costs by Program participants not currently reporting those, various indirect costs not currently reported by Federal and State Program participants, etc.] or costs for participation in the Management Committee and above. **Tom Chart** will ask **Dave Campbell** to work with the SJCC to determine their additional costs not currently reported. *1/30/12: Tom Pitts provided additional costs to be included in the briefing book pie chart; need to follow up with documentation for the record. 3/21/12: Clayton will be asking modelers/analysts to look at economic impact of re-operation of Flaming Gorge Dam beginning in FY2001. Tom Pitts said P.L. 106-392 recognizes power replacement costs as non-reimbursable; is that the same thing as economic costs? John Shields asked why not include the ~7 years of "study flows" preceding 2001. Clayton will do both, since Flaming Gorge was originally reoperated in water year 1991 (a separate table for 2001 and forward will be included responding specifically to the P.L. 106-392). Clayton also will include analysis to show the year in which FG was reoperated under the new EIS (2006 to present). John said he and Robert were asked about retail power cost levels yesterday; Leslie doesn't believe that can be reported since each individual utility has a different amount of hydropower in their mix. Tom Pitts suggested setting up a work group of himself, Leslie, Clayton, Robert Wigington, Angela Kantola and/or Tom Chart; Tom Pitts will send out preliminary materials. 6/26/12: Work group held conference call 4/27/12; Argonne working on power replacement costs, water users working on their additional costs, San Juan also working on their additional costs. 6/22/12: Clayton provided the group a description of how they'll conduct the economic analysis of Flaming Gorge dam reoperation. 11/5/12: **Clayton** received a report from the Argonne modelers last week and will forward this to the working group for review tomorrow (with comments due November 28 to allow time for a conference call, if needed). Subsequently, Clayton will provide summary and explanatory information for the briefing book/trip.*

3. **Brent Uilenberg and Dave Speas** will discuss the possibility of using "activities to avoid

jeopardy” funds on the Elkhead screen repair (conducted late winter/early spring 2012). *Reclamation will review available funding sources when this is billed in early CY 2013.* 11/5/12: Dave Speas said there was a proposal to use some of those funds for Lake Powell studies and other projects, so he doesn't believe there will be available funds for Elkhead repair. Brent Uilenberg said this underscores the Program's need to begin building contingencies in the annual budget. **Brent Uilenberg** will check back with Ray Tenney on the possibility of insurance or other covering for this item.

4. The **Program Director's Office** will prepare a timeline for the recovery plans. *See item 8.e. in the meeting summary. A read on review time is needed from the Colorado pikeminnow team (after the November 29-30, 2012 meeting).*
5. The **Program Director's office** will post the final Price River position paper to the Program's website. *Pending.*
 - The **Program Director's office** will finalize the basinwide strategy that Pat's been working on (the PDO will provide a more specific date - hopefully, in time to affect RIPRAP changes in 2013). Tom will brief the Implementation Committee about this in September and let them know that it represents a shift in policy toward prevention (*done*). **Tom Chart** will provide a bulleted outline of the proposed process.
6. **Non-Federal participants of both Programs** will let Angela Kantola know who will be attending so that the Program Director's office can make the appropriate hotel arrangements (John Shields, Tom Pitts are definite so far).
7. The **Program Director's office** will suggest revisions to the report review process to address the issues raised by the Management Committee, review those with Robert Wington, then send the revised draft to the Biology and Water Acquisition committees with a copy to the Management Committee.
8. **Brent Uilenberg** will make sure the Management Committee gets a copy of the summary report on Grand Valley water savings in 2012.
9. With regard to the recent reclamation of Paonia Reservoir, **Harry Crockett** will check into what sort of appreciation letters might be appropriate and **Tom Pitts** offered to subsequently draft a template letter. Harry also will check with Randy Hampton and others regarding plans to publicize this work.

Attachment 2

Action Items from the [2012 Sufficient Progress Memo](#)

November 5, 2012

| General – Upper Basin-wide | | | | |
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| # | Recommended Action Items | Lead | Due Date | Status |
| 1 | The Service will make a recommendation for how to ensure that all new petroleum pipelines have emergency shutoff valves and will investigate the use of the Pipeline Integrity Management Mapping Application (PIMMA) to address existing pipelines potentially needing shutoff valves (e.g., pipelines upstream of or near critical or other important habitat). | FWS | 12/31/12 | Service may consider asking industry to assist via Section 7 consultation. The Service is looking into the possibility that this information is in an existing USGS database. |
| 2 | The Program Director's office is working with the Nonnative Fish Subcommittee and signatories to the Nonnative Fish Stocking Procedures to address comments on the draft <i>Upper Colorado River Basin Nonnative and Invasive Aquatic Species Prevention and Control Strategy</i> . Following "internal" review by the Recovery Program's Biology and Management committees, the Program will seek external peer review prior to accepting the <i>Strategy</i> as final. | Program | Date TBD; will go to BC earlier than previously indicated. | A subgroup of the I&E Committee will refine comments on the I&E section of the <i>Strategy</i> and then have a conference call with the Nonnative Fish Subcommittee. Update of steps leading to completion will be provided to the Management and Biology committees in Autumn 2012. The Management Committee asked that the Program Director's office streamline the document somewhat and accelerate the schedule (in progress). |
| 3 | The Service recommends that the Recovery Program carefully review the applicability of proposed screens for nonnative fish on a case-by-case basis and scrutinize screen designs, including projected operation and maintenance costs in the future. And, that the Recovery Program fully recognizes that screens are only a component of a multi-faceted nonnative fish control strategy (e.g., one that adheres to the NNF Stocking Procedures, promotes compatible sportfisheries, and prevents new nonnative fish threats). | <i>Nonnative Fish Stocking Procedures</i> signatories | Ongoing | |
| 4 | Revised Integrated Stocking Plan needs to be completed. | PDO | 12/31/12 | Draft sent to <i>ad hoc</i> group 4/13/12; conference call held 5/9/12. Revised draft to <i>ad hoc</i> group 9/27/12; comments were due Oct. 31 (and are being addressed). |
| | The Program Director's Office will monitor results from ongoing humpback chub population estimates (Deso-Gray 2010-2011; Black Rocks and Westwater 2011-2012 and monitoring (Cataract Canyon annual CPUE; Yampa River information gathered through nonnative fish management projects). The Program Director's Office convened a panel to discuss humpback chub genetics and captivity and identify actions necessary to ensure the survival and recovery of humpback chub and an implementation plan for those actions in 2011. 200 age-0 Gila will be brought into captivity from Black Rocks/Westwater in 2012 (relates to broodstock development | PDO, Service, UDWR | Deso-Gray data reported annually; Black Rocks draft final report due 8/1/13; Westwater draft final report due FY13. | Results reviewed annually. Drs. Bestgen and White plan to have information out in December about the Black Rocks and Westwater humpback chub populations. Bringing age-0 <i>Gila</i> from Black Rocks into captivity was planned for fall 2012, but deferred until spring due to high mortality risk from low flow conditions. |

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| | once fish are determined to be humpback chub). | | | |
| Green River | | | | |
| 6 | An RFP for a 2012-2013 mortality study and literature review is anticipated in April 2012. Meanwhile, Program participants are investigating the potential for an electrical barrier at the head of the canal as one option to reduce or eliminate entrainment (and thus, "take") of fish in the canal. | Tusher Wash <i>ad hoc</i> group. | | No response to RFP; dropped. Biology Committee discussed in July and October and endorses electric barrier option. |
| 7 | Red Fleet Reservoir has been recommended for reclamation (rotenone). A microchemical analysis of otoliths from both the reservoir and the river is underway to better understand the contribution of walleye to critical habitat from this potential source population. | UDWR | | Otoliths processed; draft report in review; data will be included in draft final C18/19 report due October 1, 2012 (behind schedule due to PI illness). Red Fleet very low and UDWR may rotenone soon with funding assistance from Program. |
| Yampa River | | | | |
| 8 | CWCB is scheduled to complete accounting of past depletions using the StateCU model by the spring of 2012. The depletion accounting report will include a discussion of the need for flow protection (which would require a peak flow recommendation). The Water Acquisition Committee will continue to discuss the need for a peak flow recommendation. | CWCB, WAC | June 2012 12/31/12 | Depletion accounting for Yampa & Colorado rivers will be based on 2005 consumptive use (irrigated acreage based on satellite images and some aerial photography). CWCB is double-checking irrigated acreage, will have it verified by the Water Commissioner (hopefully by December 31, 2012), and then can run the model. Michelle Garrison said they believe they'll have the data back by the end of the year. |
| 9 | CSU will complete the programmatic synthesis of smallmouth bass removal efforts , providing a comprehensive evaluation of the Program's removal efforts as well as a thorough assessment of escapement from Elkhead Reservoir (draft final report due to Recovery Program 8/31/2012). The Recovery Program will review the final report on escapement from Elkhead Reservoir and determine appropriate adaptive-management response. CSU also is conducting a programmatic synthesis of northern pike removal efforts (2011-2012) to evaluate current removal efforts in the context of northern pike life history throughout the Yampa River drainage (draft final report due to Recovery Program 6/30/13). | CSU, Program, CPW | Draft final smallmouth bass synthesis report due 10/1/12. | The programmatic synthesis report will consist of three parts and each will be separately peer-reviewed. Part 1, Elkhead escapement has been peer reviewed. Part 2, Population Dynamics is due October 1, 2012, and Part 3, Projection Tool, will follow shortly thereafter. The three parts will then be finalized in one document. LFL reports that they have a draft of the population estimate portion of the smallmouth bass assessment report in hand, are working on revisions, and plan to submit a finished version by mid-December. They also have a draft of the population model, but have not started on revisions to that yet, pending completion of Elkhead and the abundance estimates. The NNFSC continues to evaluate opportunities and priorities for applying appropriate responses to source populations. |
| 10 | Native fish conservation areas are being evaluated as part of the draft basinwide nonnative fish strategy. Subsequently, applicability to the Yampa River will be evaluated. | Program, CPW | | See item #2 re: <i>Basinwide Strategy</i> . |
| 11 | CPW has detailed its ongoing and anticipated pike management actions throughout the drainage in its 2010 'Yampa River Basin Aquatic Wildlife Management Plan (CDOW 2010).' CPW will tabulate these activities for the Program Director's Office and, based upon Program Office feedback, will provide management | CPW | | Pending. Tabulation complete and was to go to PDO by September 30. Joint recommendations from PDO and CPW for how to address any inadequacies will be made at the NNF workshop. |

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| | objectives and actions for any waters within the drainage that CPW and the Program Office mutually agree are inadequately addressed by the 2010 Plan. | | | |
| White River | | | | |
| 12 | A working draft <i>Flow Recommendations for the Endangered Fish of the White River, Colorado and Utah</i> was sent to the Biology and Water Acquisition committees and GRUWAT on July 1, 2011. Conflicting comments were received. A revised draft is expected by midsummer 2012. Work on a PBO is anticipated subsequent to report approval. | PDO | Summer 2012. 12/31/12. | Pending. Good progress is being made and TNC is providing assistance. |
| 13 | Program scheduled to begin specific effort to remove smallmouth bass in 2012. CPW will propose plans to removing bag limit for smallmouth bass (and possibly other nonnative sport fishes) in the 400 yards below Kenney Reservoir that still has limits in 2013. Recovery Program supports multi-agency effort to designate White River as native fish conservation area. | CPW, UDWR | | White River smallmouth bass removal conducted by Service & CPW; additional electric seining also conducted. CPW has prepared an issue paper on the bag limit for Commission consideration in this regulation cycle. (Regulation expected to be finalized in November and go into effect in March 2013.) |
| Colorado River | | | | |
| 14 | Recovery Program participants will consider options and opportunities for meeting flow recommendations on a more consistent basis after completion of 10,825 agreements. | Program | | All agreements are expected to be in place by December 31, 2012. |
| 15 | The CWCB will provide the depletion accounting for 2006-2010 for the Upper Colorado River using State CU in the spring of 2012. If the amount of consumptive use, location of use, and timing of use is not the same as in the past, they would then put that information into StateMod to show how those changes affect the river. | CWCB | June 2012 | See item #8. |
| 16 | Completion of CFOPS Phase III should be out in draft in November and report completion anticipated by January 31, 2013. | Water users | September November, 30, 2012. | Draft now expected at the end of November, with the report completed by January 31, 2013. |
| 17 | In 2012, additional passes will be devoted in the reach of the Colorado River from Rifle to the Beavertail to remove invading northern pike. CPW will conduct a reconnaissance in floodplain & canal habitats to identify potential sources of this species. Sampling will also be conducted from Silt to Rifle to remove northern pike. | FWS, CPW | Service, CPW | Additional passes completed. A critical new ramp was constructed that improves access. CPW seeking landowner permission for reconnaissance work. |
| Gunnison River | | | | |
| 18 | Every effort should be made to ensure that the Gunnison River remains a native fish stronghold. The topic of precluding new species introductions also will be addressed in the draft Nonnative Fish Strategy. | Program | | See item #2 re: <i>Basinwide Strategy</i> . |
| Dolores River | | | | |

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| 19 | The Nonnative Fish Subcommittee will review response options and propose action item(s) to be reviewed with the Dolores River Dialogue and Lower Dolores Working Group and potentially added to the RIPRAP in 2013. | NNFSC, others. | January 2013. | CPW is implementing emergency order removing all bag and possession limits on smallmouth bass in Miramonte Reservoir and has announced plans to rotenone the reservoir in fall 2013. |
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