



# Upper Colorado River Endangered Fish Recovery Program

Dated: February 28, 2014

**February 11, 2014, Management Committee Meeting/Webinar Draft Summary  
Hilton Garden Inn Denver Airport, 16475 E 40th Cir, Aurora, CO 80011**

**Participants: See Attachment 1**

**Assignments: See Attachment 2**

**CONVENE Meeting/Webinar: 9:10 a.m.**

1. Introductions, review/modify agenda and time allocations, and appoint a timekeeper.
2. Approve October 29, 2013, revised draft meeting summary – Comments on the summary were received from Brent Uilenberg and Patrick McCarthy. A revised, track-changes draft summary was provided with this meeting agenda. Angela Kantola will post the final summary to the listserv (*done*).
3. Approve *Upper Colorado River Basin Nonnative and Invasive Aquatic Species Prevention and Control Strategy* – Following approval by the Biology Committee (and no additional comments from the Information and Education Committee); this document now comes to the Management Committee for approval. Tom Chart reviewed the history of developing the *Strategy* and the Management Committee's previous involvement. The second draft was provided in early 2013, followed by a meeting of the Program Director's office with the three States' fish chiefs, and then a third draft sent to the Biology and Information and Education committees for review. Dave Speas said the Biology Committee approved the *Strategy* with the addition of palmetto bass ("wipers") to the compatible sportfish species list, as proposed by Utah. Dave recalled that development of the *Strategy* began with recommendations made at nonnative fish workshops, going back about ten years. As part of the sufficient progress review, specific action items have been called out of the *Strategy* for accomplishment over the next three years or so. Patrick McCarthy congratulated the group on completion and consensus on this document. John Shields agreed. John asked Tom Chart about his thoughts about implementation and budget. Tom described how the nonnative fish problem has grown, noting that the *Strategy* itself won't turn things around, but our conversations, especially with the States has elevated this concern and the need to deal with the problem on a basinwide level (especially the "worst of the worst") species. While we probably can't *eradicate* smallmouth bass from the system, for example, that still needs to be our goal if we're going to get where we need to be to recover the endangered fish. Getting ahead of the game with prevention (e.g., Wyoming and Utah's must-kill regulations on burbot) is critical, as is focusing more on off-channel nonnative fish sources. This *Strategy* has really helped focus the Program on addressing the nonnative fish problem and shifted us to a more logical approach to prevention, control, and rapid response. The *Strategy* allows us to develop specific, logical actions to address the problem in a way we haven't been able to do in the past. Krissy Wilson added that involving the States' fish chiefs really helped turn the corner. Tom Chart agreed their involvement has been (and will continue to be) critical. Melissa Trammell commended the States for making this a meaningful document. John Shields said the next question for us, at the Management Committee level, would be how to make the necessary financial resources available to implement it. John said he'd like to see this Program (and the San Juan) recognized again by the Secretary of the Interior for cooperative conservation for on-the-ground efforts to bring balance between native and nonnative fishes. Tom Pitts observed that we have nonnative fish everywhere and we're not winning on this issue. Despite the many years and considerable money spent on recovery, we're going backwards on recovery due to

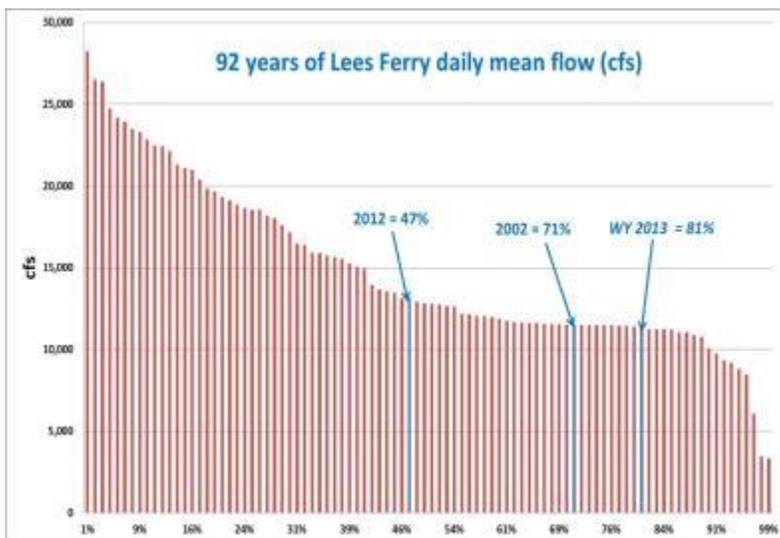
nonnatives, thus we need to make speedy response. For example, Colorado Parks and Wildlife needs to have authority to implement must-kill policies, and higher and more effective fines and penalties are needed for illegal introductions and transfers. It will take drastic actions and fast responses to get on top of this problem (and to maintain our credibility with Congress). Water users are deeply concerned about this since continued ESA compliance is reliant on progress toward recovery. Water users have bent over backwards to provide water for the fish and we need to tackle the nonnative fish problem similarly.

The Committee approved the *Strategy*.

4. Sufficient progress and nonnative fish action items status report – Kevin McAbee reviewed the nonnative fish action items table (RIPRAP addendum). John Shields asked about options for meeting the cost of producing sterile game fish (noting Wyoming’s recent unsuccessful bid to increase license fees, which might have helped with things like this). Krissy Wilson recommended that the States’ fish chiefs work together to share technologies and fish (for example, shifting some production of sterile rainbow trout to sterile walleye). Krissy said the relationship that the States already has with the Service’s Fisheries program is the right forum for these discussions. Summarizing his review of the action items, Kevin said we’re making good progress and believes the Service will view this positively in their upcoming sufficient progress review. Sufficient progress action item review – see Attachment 3.
5. Update on Green River Colorado pikeminnow population status – Tom Chart described Kevin Bestgen’s concerns regarding status of the Green River Colorado pikeminnow population and the lack of pikeminnow recruitment from Green River spawning / rearing areas. Kevin’s work shows a grim picture of Colorado pikeminnow decline throughout the Green River system, and he is particularly concerned about persistent competition and predation by nonnative fishes, and about the importance of base flows. Tom shared slides from Kevin’s presentation at the Researchers Meeting. Clayton Palmer said Western would like to see more work on base flows and fish response and this raises the question of evaluating the Flaming Gorge flow and temperature recommendations. Tom Chart agrees we need to start on that evaluation. Leslie James asked when we’d see the backwater synthesis report; Tom said Kevin B. is working with Argonne to complete the report and Tom expects to have a better sense of the date this week. Leslie asked about next steps in evaluating the flow recommendations; Tom Chart said he thinks a portion likely will be contracted to Argonne, with Western providing some funding. Tom Chart said his office would be discussing how to start this work in 2014. Clayton noted one of the questions will be whether the correlation to base flows is function of temperature, existing geology, flows alone, or what. Another question is the function of lower temperatures in Reach 1 to disadvantage smallmouth bass.
6. Update on Ridgway Reservoir smallmouth bass escapement prevention planning – Kevin McAbee said Colorado sampled Ridgway Reservoir (Uncompahgre drainage) in response to angler reports of smallmouth bass and documented smallmouth bass at all sites, including the northeast corner near the spillway. Preventing spilling is of utmost importance because the Gunnison River currently has few nonnative fishes. A work group convened to discuss appropriate responses, including preventing spilling, changing harvest regulations, and installing temporary or permanent screens. Harry Crockett said Colorado thinks chemical reclamation of the reservoir is prohibitive (possibly physically impossible and operationally very difficult to drain). They’ve considered a temporary downstream barrier, but volume of water and debris makes this infeasible. Colorado will conduct mechanical removal of smallmouth bass from the reservoir this spring and is looking at implementing a harvest incentive and must-kill regulation for that water. They most certainly will implement an emergency regulation to lift bag and possession limits for the reservoir. Harry says he understands the reservoir operators will do their best to avoid spills in the coming runoff year. Harry believes we’ll also need a permanent downstream barrier. Melissa Trammell asked about the likelihood of preventing spills this year and about reclamation. For reclamation, Harry said that the volume of inactive pool after drawdown would be sizable: the rotenone alone would cost \$300K, and the entire cost of reclamation would be about \$600K. In addition, pumping rotenone that

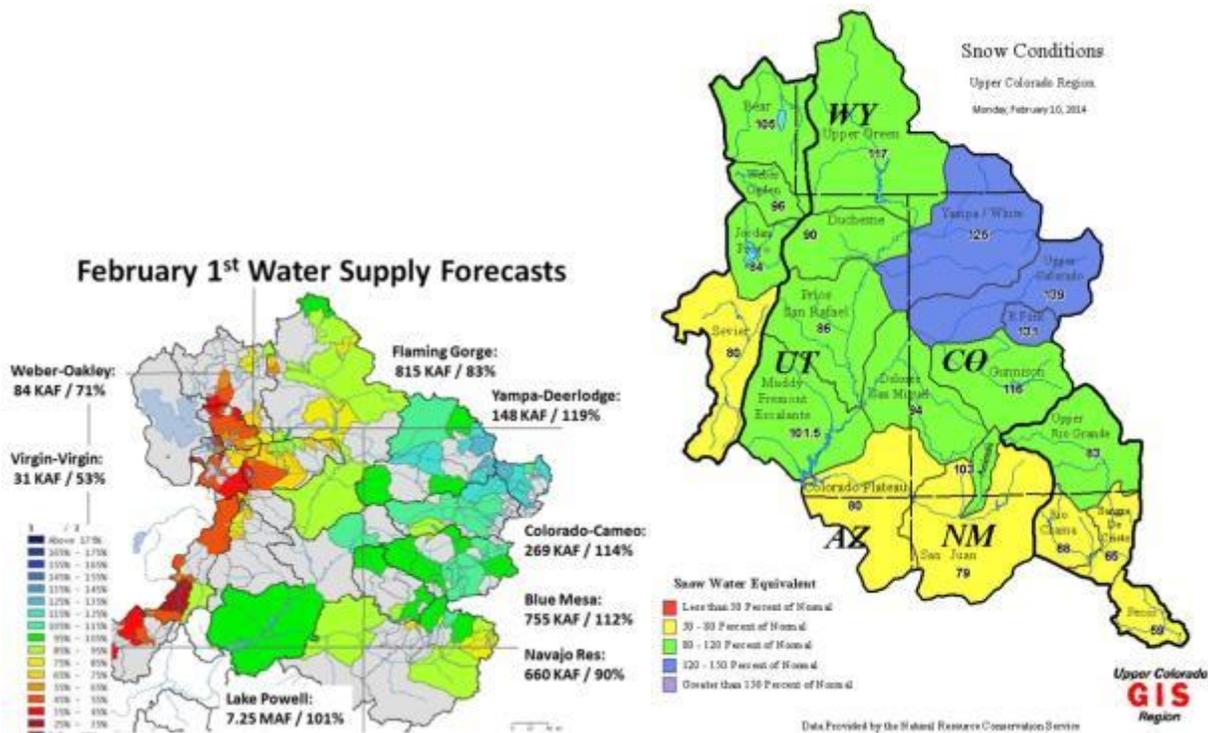
deep may not be effective (CPW has never done this). With regard to the likelihood of preventing spill this year, Harry said Tom Pitts and Brent are discussing this with Tri-County Water Conservancy. Tom Pitts said the water users are willing to try to prevent the spill this year. However, over the long-term, it's important to know that the reservoir collects a lot of woody debris (recreation and safety concern) which is best discharged via spills. (The debris also would create a concern for downstream barrier.) Drawing the reservoir down to dead pool for reclamation would dry up the Uncompaghre River downstream for a distance. Water users would like to see a must-kill order and a harvest incentive program. Program partners (CPW, BOR, and PDO) will attend the Tri-County board meeting this month.

7. D.C. Trip planning – Tom Pitts said the Program participants will really miss John Shields' efforts on the D.C. trip. Tom Pitts, probably Darin Bird, Steve Wolff (WY) and Patrick McCarthy are going. Michelle Garrison said every request for anyone from Colorado to go to D.C. has been turned down this year. Leslie James said the Glen Canyon TWG meeting is April 8<sup>th</sup> and 9<sup>th</sup>, but she also has a Homeland Security meeting in D.C. on the 9<sup>th</sup>, so she may be in D.C. (but will not need a room). Stanley Pollack, Cathy Condon, and Randy Kirkpatrick, Mike Green, and Bill Miller also are going on the trip. >Tom Pitts will provide names to Tom Chart's office to reserve a block of rooms in D.C. Tom Pitts noted that the House is once again interested in amending the ESA, so conversations and hearings about that may be taking place. In 2017, we will need to talk to Congress about extending annual funding through 2023. John Shields asked if a luncheon event is planned; Tom Pitts said it would be helpful if they could meet in a room at the Capitol visitor's center; >John Shields will check tomorrow to see if one would be available on Friday, April 11. Tom Chart noted the nonnative fish message is made very clear in the briefing book and his office will thoroughly brief Bill Miller on the issue and response in the upper basin, but Tom wondered if it would be possible for a State Biology Committee representative to join the trip to speak to this. John Shields has started updating the itinerary with appropriate State Congressional contacts. Most of last year's meetings with Interior were scheduled on Thursday, and we should try to do that again this year (those appointments probably can't be made until about the third week in March). John said some committee/subcommittee appointments might be made earlier. >Tom Pitts will hold a conference call among trip participants in the next couple of weeks. The briefings will start on Tuesday, April 8. Robert suggested the Utah delegation meeting be held early on Wednesday, April 9. The President's budget is scheduled to come out March 4 this year. >Tom Pitts will take care of letters from the water users.
  
8. Flows update and Flaming Gorge spring flow request – Jana Mohrman reviewed water year 2013 and early 2014 forecasts.



**2013 Recovery Program Flow Targets (CFS) /Actual flows (highlighting indicates targets not met in 2013)**

	Mod-Dry Jensen 9261000	Mod-Dry Maybell 9251000	Draft -Dry White 9306500	Mod-Dry Green River 9315000	Dry Duchesne 9302000	Dry Price 9314500	Dry Gunnison 9152500	Dry Palisade 9106150	Dry Co @ State Line 9163500
<b>Target</b>	<b>1,100 – 1,500</b>	<b>134</b>	<b>Draft: 300</b>	<b>1,500 - 3,400</b>	<b>50</b>	<b>15</b>	<b>1,050</b>	<b>810</b>	<b>2,500 -4,000</b>
JUL	1615	289	280	1703	60	44	1201	742	2999
AUG	1417	143	194	1330	51	107	1226	727	3118
SEP	1599	284	301	1931	98	301	1776	1272	4312
OCT	1760	570	441	2035	76	49	1680	1288	4125



Tom Chart said his office will be drafting the Program’s Flaming Gorge spring flow request letter (will seek Management Committee approval via e-mail), and it will once again tier off the Larval Trigger Study Plan. The Program Director’s office will send the letter to Reclamation prior to the FG Technical Work Group kickoff meeting scheduled for March 20, 2014.

- Revised Green River water protection timeframe – The Water Acquisition Committee recently approved the following revised schedule, which the Management Committee accepted:

		2013 RIPRAP TABLE ACTIVITY	WHO	STATUS	12/14	12/15	12/16	12/17
	I.A.4.b.(2)(f)	Analyze model results	UT	In progress	X			
	I.A.4.b.(2)(g)	As necessary, obtain additional authority to protect flows	UT	Pending	X	X	X	
>*	I.A.4.b.(3)	Implement legal streamflow protection.	UT	Pending			X	X

10. Update on Colorado State Water Plan (standing agenda item) – Michelle Garrison said each basin roundtable is working on its basin implementation plan and those will be incorporated in the overall State plan. Michelle attended nonconsumptive needs meeting. All existing flow recommendations and Colorado’s endangered fish instream flows are included (will be written into each basin implementation plan and the State plan). The basin plans are to be completed by this July.
11. Discussion of draft letter on risks associated with energy development in or in close proximity to endangered fish critical habitat – The revised draft letter sent to the Committee on February 5 incorporated previous comments from the Committee. The Program Director’s office hopes to get simultaneous review of this latest draft from the Committee and the Service. Tom Chart asked for >comments back on the draft letter by February 28. Kevin also asked that State Committee representatives reach out to the intended State recipients of the letter and give them a heads up. Robert King said they met with John Baza this past October. John Shields suggested making the request to attend a meeting more clear up front IN THE LETTER (and still reiterate it toward the end). Kevin McAbee said the Service recently worked with EPA and DOJ on Clean Water Act violations related to improper drilling in one of the Program’s floodplain easements near Pariette Draw (Lamb Property). The case has been settled; Gasco agreed to plug & abandon the well, restore the floodplain, and pay damages. EPA had solicited expert witnesses in preparation for trial; Kevin Bestgen provided expertise on fish biology/ecology and outlined the risk to the endangered fishes of oil and gas activities within the 100-year floodplain. Andrew Gilmore asked about how/if we might want to publicize this case to educate folks about risks and procedures. Kevin McAbee indicated that EPA had asked for our input on a distribution list.
12. Recovery planning update – Tom Czaplá said the Recovery Team met last December and the writing team has since been incorporating the Recovery Team’s input on threats by basin. The next draft for the writing team to review will be completed within a few weeks. The draft will then be sent for internal Service review in April 2014 (and simultaneously to the Recovery Team). >Tom Chart will ask the Regional Office for a projected turnaround time for reviewing the draft Colorado pikeminnow recovery plan to better estimate a review schedule for the Implementation Committee on March 6.
13. Capital projects updates
  - Tusher Wash – Beverly Heffernan described the latest concept of a barrier in the canal – a long-crested weir with an electric barrier and a fish return pipeline (somewhat like the weir wall at Hogback on the San Juan). It would not prevent entrainment in the pumping plant or power plant. Bob Norman made a presentation to the Biology Committee last month and that Committee agreed to continue to investigate this option. Dave Speas said the Biology Committee may not have been aware that we don’t have information on how well these types of weirs work. The proposal for electrical components will need to be refined based on this revised configuration. Dave still has a number of questions on how well the proposed configuration may work. Melissa agreed, noting that the proposed components have not been tested alone (or together). In light of the large number of endangered fish that have been detected by the PIT tag antenna in the canal last year, Melissa also has concerns about when the screen could be installed (potentially 2 years out). Tom Chart echoed this concern, but recognized that the schedule for installation could be protracted. The diversion rebuild doesn’t affect barrier construction, just provides the extra flow needed for fish return. NRCS is developing the EIS for the diversion rebuild now and is currently still on schedule for construction this year (draft EIS expected March or April). The San Juan Program hasn’t yet evaluated the effectiveness of the Hogback weir yet, but hopes to install PIT antennas soon and have some results by the end of this year. John Shields noted that as eager as we are to get this done, we want to be sure we build something that works.
  - OMID – Beverly said Phase 1 (33 canal check structures) is scheduled for completion March 15, 2014 (\$1.3M) and Phase 2 (regulating reservoir and pumping plant) will begin late summer/early fall 2014. Phase 3 and Phase 4 are scheduled to be completed in FY15 or 16, depending on budget. >Beverly

Heffernan will ask Brent if there are plans to announce to the public completion of Phase 1 and initiation of Phase 2.

14. Implementation Committee webinar (March 6, 1-4pm) agenda items – Agenda items will include: approval of revised September 23, 2013, IC webinar summary; Program Director’s Update (will include recovery plan update and nonnative strategy update); review of D.C. trip planning (if the Service and Reclamation could provide information from the President’s budget for support letters, that would be helpful); approval (or delegation of approval) of RIPRAP revisions and assessment; capital projects update; review of sufficient progress items; update on the draft energy letter; Southern Rockies LCC update; and scheduling September 2014 meeting or webinar.
15. Management Committee chair – John Shields is retiring from Wyoming on March 3 and has accepted a position with Reclamation in their Boulder Canyon Operations Office in Boulder City, NV doing water accounting. John has discussed his potential successor as Management Committee chair with several people. John and Robert King have suggested Henry Maddux (UDNR’s endangered species coordinator) may be a good candidate. Peter Evans from Colorado chaired the Committee for some time, and John chaired for Wyoming for more than 13 years, so perhaps Utah may want to take the next turn. John doesn’t know who will succeed him in representing Wyoming on the Management Committee as of yet. Robert said Utah would like to thank John for his service and if the Committee can be a little patient, they have something in the works.
16. Review previous meeting assignments – See Attachment 1.
17. Schedule next meeting, webinar, or conference call – The Committee scheduled a webinar for March 20, from 8:30 a.m. to 1p.m. A primary agenda item will be reviewing the RIPRAP revisions and assessment.
18. Recognition of John Shields and Dan Luecke – On the occasion of both gentlemen’s retirements, the Committee extended their deepest appreciation for Dan’s and John’s many and significant contributions to the Recovery Program and wished them the very best in their future endeavors.

**ADJOURN: 1:00 p.m.**

## Attachment 1: Participants

Colorado River Management Committee Meeting/Webinar, February 11, 2014

### Management Committee Voting Members:

Beverly Heffernan	
For Brent Uilenberg	Bureau of Reclamation
Michelle Garrison	State of Colorado
Tom Pitts	Upper Basin Water Users
John Shields	State of Wyoming
Patty Gelatt for 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:

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

Tom Czaplá	U.S. Fish and Wildlife Service
Kevin McAbee	U.S. Fish and Wildlife Service
Angela Kantola	U.S. Fish and Wildlife Service
Leith Edgar	U.S. Fish and Wildlife Service

### Others

Harry Crockett	Colorado Parks and Wildlife
Andrew Gilmore	Bureau of Reclamation
Jana Mohrman	U.S. Fish and Wildlife Service
Jerry Wilhite	Western Area Power Administration
Dave Speas	Bureau of Reclamation
Robert Wigington	The Nature Conservancy
Dan Luecke	Environmental groups

Attachment 2  
Meeting Assignments

1. **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 & 2013 *Program Highlights*, we used the \$37.4M annualized estimate. **Western** contracted with Argonne to model and report actual Flaming Gorge power replacement costs going back to 2001. Subsequently, **Western** 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 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.) (*done*). **Tom Chart** will ask **Dave Campbell** to work with the SJCC to determine their additional costs not currently reported. *A Cost Subcommittee was established and met several times via conference call to review the proposal for and results of the power replacement costs analysis. 1/29/14: Water user and Colorado additional costs added and documented in Kantola's Briefing Book Pie Chart Data spreadsheet. Power revenue replacement costs "placeholder" from previous years retained until Argonne report finalized and approved (currently in revision).*
2. **Michelle Garrison** will discuss with Ted Kowalski (and get back to Brent or Bob Norman) on the proposal of having the Programs ask the National Fish and Wildlife Foundation (NFWF) to obligate \$200K of Colorado's San Juan NFWF funds by putting an "Upper Basin" label on them and then invoicing against that \$200K for Upper Colorado NFWF capital expenditures (e.g., Tusher \$40K and others) in the future. >**Michelle** will discuss with Brent and Ted.
3. D.C. Briefing Trip: **Tom Pitts** will provide names to Tom Chart's office to reserve a block of hotel rooms in D.C. **John Shields** will check tomorrow to see if a room is available in the Capitol Visitor's Center for a luncheon on Friday, April 11. **Tom Pitts** will hold a conference call among trip participants in the next couple of weeks and will take care of letters from the water users.
4. **Committee members** will provide comments on the draft energy development letter by February 28.
5. **Tom Chart** will ask the Service's Regional Office for a projected turnaround time for reviewing the draft Colorado pikeminnow recovery plan to better estimate a review schedule for the Implementation Committee on March 6.
6. **Beverly Heffernan** will ask **Brent Uilenberg** if there are plans to announce to the public completion of Phase 1 and initiation of Phase 2 of OMID.

## Attachment 3

Action Items from the [2013 Sufficient Progress Memo](#)

October 29, 2013

#	Recommended Action Items	Lead	Due Date	Status
<b>General – Upper Basin-wide</b>				
1	Swiftly complete & fully implement an effective, comprehensive <i>Upper Colorado River Basin Nonnative and Invasive Aquatic Species Prevention and Control Strategy</i> .	PDO, States	2013	MC approved 2/11/14.
2	Develop RIRPRAP addendum identifying a subset of specific, tangible actions from the Basinwide Strategy to be accomplished in the next 3 years, including: increased control efforts directed to sources of nonnative predators; adequate rapid response to recent and future “outbreaks”; and a strong outreach campaign that sends the message to the public that only nonnative fisheries that are compatible with endangered species recovery are acceptable.	PDO, States	2013	Addendum approved by States and accepted by USFWS; progress to achieve actions being tracked at Biology and Management committee meetings.
3	Determine how to investigate age-0 and age-1 humpback chub mortality (especially in Black Rocks/Westwater and Desolation canyons) as recommended in the Research Framework. If funds available, Program may develop a 2014 SOW to investigate age-0 and age-1 humpback chub mortality.	Program		CSU's recent robust population estimate analysis more clearly indicates that declines in the Westwater and Black Rock humpback chub populations are due to lapses in recruitment, i.e. adult survival rates have remained stable. PI's agree that reinitiating an Age-0 monitoring component is advisable.
4	200 age-0 <i>Gila</i> will be brought into captivity from Black Rocks/Westwater when conditions allow.	FWS	<del>2013</del> 2014	Flow conditions inadequate again in 2013; will try again in 2014.
5	A currently funded study at CSU combining Westwater and Black Rocks data sets and exploring alternative population models may shed some light on this issue from a stock assessment perspective.	CSU	2014	Initial results of combined WW/BR report provided during Bestgen presentation on 10/10/13 BC webinar; portions to be included in individual Black Rocks and Westwater reports.
6	Support research to determine dose response information (for selenium and other forms of contamination, e.g. petrochemicals, heavy metals, and endocrine disruptors) related specifically to the endangered Colorado River fish as well as necessary remediation.	Program	Ongoing	
<b>Green River</b>				
7	Closely coordinate Tusher Wash e-barrier (or other barrier) construction with NRCS's rebuild of the Tusher diversion structure.	PDO, USBR	2014	Construction tentatively scheduled to begin fall 2014, but realistic timeframes still being developed. Alternative presented to BC in January 2014 to provide an electrified weir wall with a fish return in the Green River Canal, downstream of the hydropower facility. PIT antennas installed March 2013 detected high level of entrainment of razorback sucker and Colorado pikeminnow.
8	Red Fleet Reservoir has been recommended for reclamation (rotenone) in 2014. 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	2014	UDWR formulating plans to reclaim in 2014.

<b>Yampa River</b>				
9	Complete accounting of past depletions using the StateCU model (Due date from YPBO - 1 <sup>st</sup> report July 1, 2010; 2 <sup>nd</sup> report July 1, 2015). The depletion accounting report will include a discussion of the need for flow protection (which would require a peak flow recommendation). The models will be updated through 2010 or 2011.	CWCB		(Also applies to Colorado River.) A contract for the irrigated acreage assessment was awarded in February 2013. Another contract still needs to be awarded to update the dataset. Colorado has given high priority to the Yampa and Colorado river basins portion of this work. .
10	Complete <a href="#">programmatic synthesis of smallmouth bass removal efforts</a> , providing a comprehensive evaluation of the Program's removal efforts (draft reports due June 15 [Part 2] and August 15 [Part 3]). The Recovery Program will review the final report on escapement from Elkhead Reservoir (Part 1, completed May 1, 2013) and determine appropriate adaptive-management response.	CSU		Part 1 of 3-part report completed; Parts 2 & 3 in peer review; projection tool being rolled out. See also Basinwide Strategy (item #1).
11	Conduct a <a href="#">programmatic synthesis of northern pike removal efforts</a> (2011-2012) to evaluate current removal efforts in the context of northern pike life history throughout the Yampa River drainage.	CSU		Report due to PDO 3/1/14 (final to BC 6/15/14). See also Basinwide Strategy (item #1).
12	The Program office will work with CPW to determine if any of the pike management actions identified in CPW's 2010 'Yampa River Basin Aquatic Wildlife Management Plan management actions are not being adequately addressed and seek necessary remedies.	PDO, CPW		CPW provided initial assessment 5/1/13; PDO returned comments 5/17/13; CPW response to comments / revision pending. See also Basinwide Strategy (item #1).
<b>Duchesne River</b>				
13	Rely on findings of project # C18/19 to determine how to proceed with regard to currently unknown contribution of smallmouth bass or walleye produced in the Duchesne River below Starvation and entering Green River (Ute Tribe apparently not currently conducting nonnative fish removal.)			C-18/19 report peer reviews completed; BC reviewed and returned for minor revisions in Jan. 2014. See also Basinwide Strategy (item #1).
<b>White River</b>				
14	Finalize flow recommendations as part of White River Management Plan.	PDO, FWS, UDWR	Winter 2014	Per White River Management Plan schedule: develop flow recs Fall 2013-Winter 2014; complete Program review Spring/Summer 2014; finalize management plan and flow recommendations Summer 2014.
<b>Colorado River</b>				
15	Explore opportunities to continue delivering Ruedi water (or a portion thereof) to replace the release of 10,825 acre-feet of Ruedi Reservoir water that concluded in 2012.	FWS, USBR, CRWCD		
16	Complete CFOPS Phase III report.	Water Users		Draft by March 31 and final by June 1.
17	HUP call participants will continue to discuss screen operation with the goal of more frequent operation at the GVIC canal (recognized as the oldest and most problematic design). The Program will continue to evaluate ways to improve screening operations and methods, and the Program will continue to fund salvage operations of fish remaining in the canals at the end of the irrigation season.	PDO, USBR, screen operators		USBR and OMID investigating mechanisms to operate GVIC Obermyer gate at lower flows.

<b>Gunnison River</b>			
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18	Mechanically remove northern pike from Crawford Reservoir.	CPW	Beginning in 2014
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