Executive Committee Meeting March 17, 2016

Meeting Materials:

Meeting Agenda Meeting Minutes



Middle Rio Grande Endangered Species Collaborative Program EXECUTIVE COMMITTEE MEETING AGENDA

Thursday, March 17, 2016 9:00am – 12:00pm

Conference call-in line: Phone: 1-800-621-8611 Passcode: 23854#

Location: Bureau of Reclamation, 555 Broadway NE, Suite 100, Albuquerque, NM 87102

1.	INTRODUCTIONS AND REVIEW OF PROPOSED AGENDA*	10 minutes
2.	EC Co-chair recognition	10 minutes
3.	DECISION – APPROVAL OF February 18, 2016 EC MEETING SUMMARY*	10 minutes
4.	AGENCY ROUNDTABLE (Litigation updates, Hydrologic update, Species Update, Consultation update, etc.)	30 minutes
5.	PRESENTATION – Sevilleta Habitat Restoration Phase II (ISC/R.Schimdt-Petersen)	30 minutes
6.	BY-LAWS DISCUSSION	30 minutes
7.	CC UPDATES (R. Billings)	10 minutes
BREAK		15 minutes
8.	 DECISION identify the two EC representatives for the PASS evaluation in April (date to be confirmed) 	20 minutes
9.	UPDATES AND RECOMMENDATIONS – RIP DOCUMENT (RIP Doc Subgroup)	30 minutes
10.	MEETING SUMMARY	
11.	PUBLIC COMMENT	
12.	ANNOUNCEMENTS	
13.	DECISION – NEXT PROPOSED EC MEETING: April 21, 2016 from 9am to 12pm l	ocation TBD

*denotes read ahead

Middle Rio Grande Endangered Species Collaborative Program Executive Committee Meeting March 17th, 2016 – 9:00am to 11:45am

Bureau of Reclamation 555 Broadway NE, Suite 100 Albuquerque, NM, 87102

Decisions

- The February 18th, 2016 EC meeting summary was approved for finalization with the exception of the Adaptive Management portion of which red-line edits (as suggested by GeoSystems Analysis) will be approved separately at the April EC meeting.
- With quorum present and no objections voiced, the EC decided to postpone the EC's selection of representation for the PASS evaluation until the April meeting since the PASS proposal review was delayed.

Actions

- ✓ Todd Caplan will email an electronic version of the suggested February 18th EC Adaptive Management Section revisions to Ali Saenz. *completed 03/17/16*
- Ali Saenz will create a red-line edit version of the February 18th EC Adaptive Management Section and distribute to the EC for review and approval at the April meeting.
- ✓ Ali Saenz will email the updated hydrology report to EC members and post the document on the website. *completed 03/17/16*
- The EC is encouraged to review the existing EC Bylaws in preparation for discussion at the April meeting.
- Ali Saenz will distribute the current EC Bylaws to signatories for review.
- Wally Murphy will confirm if the Service has a meeting room available for the April 21st EC meeting.
- Kris Schafer will confirm if the Corps has a meeting room available for the April 21st EC meeting.

Requests/Recommendations

- It was requested that the EC consider future meeting agenda items to review/discuss the EC Bylaws, section by section. The review is to ensure the Bylaws are current and reflect the process(es) that will be followed as a Recovery Implementation Program (RIP).
- It has been requested that the EC consider changing their regularly standing meeting days as the 3rd Thursday of each month now conflicts with some member's schedules. It is been proposed the EC consider the 2nd or 4th Thursday of each month. The April 21st meeting will remain as schedule for the 3rd Thursday.

Announcements

- The Service is scheduling an "Executive Day on the River" for June 7th. Agency heads will be receiving details and invitations after the arrangements and field stops have been confirmed.
- Reclamation's Environmental Impact Statement (EIS) on the Rio Grande Operating Agreement will be open for public comment soon.
- Reclamation's and Corps' Water Operation Planning meeting is scheduled for April 20th at Reclamation.

Next Meeting: April 21st, 2016 from 9:00am to 12:00pm, location TBD

- Tentative April agenda items: (1) Review and Approve Adaptive Management Section of the February 18th meeting notes; (2) Review Item: revised RIP Program Document (for endorsement in May); (3) PASS Proposal Evaluations: Identify and Approve 2 EC representatives for participation; (4) Minnow Action Team Updates; (5) Review/Discuss EC Bylaws Section 5; (6) Discuss/Decision: move standing meeting day to 2nd or 4th Thursday of each month;
- Tentative future agenda items: (1) Population Monitoring Workshop report presentation (May); (2) Endorse Revised RIP Program Document (May); (3) Discussion/Updates on Recent and Upcoming Reports (Adaptive Management Documents; Genetics Peer Review Draft Report);

Meeting Summary

Introductions and agenda approval: Brent Rhees brought the meeting to order and introductions were made. The agenda was approved with no changes.

EC Co-chair Recognition:

- Mr. Rhees' co-chair term officially expires next month. The EC recognized and thanked him for his dedication and work with the Program. His replacement has been assigned and will begin fulfilling duties soon.
- The EC also acknowledged LTC Patrick Dagon for his participation and support of the Program. The Army Corps of Engineers' Change of Command is scheduled for May 12th.

Approval of the February 18th, 2016 EC Meeting Summary:

- The February 18th, 2016 EC meeting summary was approved for finalization with the following changes:
 - o On page 2, under the Corps' agency update, the bullet pertaining to "...set up as a priority in the basin, facilitate the 404 permitting..." will be removed.
 - o On page 5, under the Pueblo of Sandia's agency update, it will be clarified that the siphon is being addressed by Reclamation and MRGCD.
 - o GeoSystems Analysis has several minor editorial (not substantive) corrections for the Adaptive Management presentation portion of the notes.
 - o For an example, it was shared that on page 6 under the Structured Process section, 3rd bullet, "Administration Procedures Act" should be corrected to "Administrative Procedures Act." Other requested changes are minor clarification and editorial in nature.
 - The EC agreed to review GeoSystems Analysis' requested edits separately with approval to occur at the April meeting.
- In an update of the future and upcoming items (listed in the February meeting summary), it was shared that there has been a delay in the milestones for the Program and Science Support (PASS) contract. The proposal review will not occur until May. The revised Program Document is still on track to be endorsed in May.
 - O The Minnow Action Team (MAT) will be meeting sometime in mid-April, after April 1 forecast. It is assumed there will not be many recommendations but the group will discuss options for May.
 - o The contractor for the Fish Population Monitoring Workshop will be presenting in May.

Agency Roundtable:

- *U.S. Army Corps of Engineers (USACE or Corps):*
 - LTC Jaime Booth was introduced as LTC Patrick Dagon's replacement after the Corps' Change in Command in May.

 The Corps remains dedicated to participating in the Program and has many staff that comprise the Corps' team. The Corps continues to seek Program funding which allows it to support recovery efforts and activities.

• *U.S. Bureau of Reclamation (Reclamation):*

- The final report for the Fish Population Monitoring (CPUE) Workshop is scheduled for May. The Genetics Peer Review is underway and progressing well. These are two (2) successful science-focused accomplishments for the Program.
- Several habitat restoration projects are being designed and environmental compliance is in progress.
- As reported, the PASS proposal evaluations have been delayed until May. The contracting office assures it will be the last delay. This contract highlights the commitment to securing new Program Management.
- o FY2017 contracting deadlines are rapidly approaching. Please note that many recommendations that come from the Fish Population Monitoring Workshop report may require a Scope of Work.

• *Hydrology Update*:

- Snow pack is now below average. Snow pack was above average (and some were well above average) as recently as February 1. After 6 weeks of windy conditions, warm temperatures, and no precipitation the snow pack has decreased significantly. Assuming average precipitation from now until May, snow pack could be down to 60% of average.
 - Having the MAT meet early in April could be really important. Unless there is precipitation in the next few months, the outlooks for spring won't be as optimistic any more.
- There are currently ~1,000 cfs flows in the river. MRGCD began operations for irrigation on March 1 but there haven't been any significant effects on the river yet. A good amount of water is making it to Elephant Butte.
- Article VII restrictions will depend on the Rio Grande River operations. The El Paso district will start operations at the end of March and are assumed to continue all summer. There is no information regarding the starting of Mesilla Operations. There could be an extended period of storage in El Vado, depending on the timing of everything.
- In a brief explanation as to why the El Nino moisture is lower than anticipated, it was shared that temperatures have been so warm this year, the jet stream was pushed up a state higher than normal.

• Pueblo of Sandia:

- o El Nino runoff expectations have created an "emergency" situation with regards to the Corrales Siphon that needs to be protected. As agencies look to activities on the river and potential site visits, the Corrales Siphon offers a unique view into the past.
 - O The siphon holds historical significance it is a wood-stave siphon built around ca.1930s as part of federal projects. It is unique that this construction is still around and shows the incising of the river that has occurred and speaks to the declining health of the river and habitat.

• Fish and Wildlife Service (Service):

- There have been 4 recent listing decisions of relevance to the Program:
 - There is a petition to down and delist the Southwester Willow Flycatcher (flycatcher). There is substantive information in that petition that will be reviewed over the next year. The petition disputes the subspecies designation which will be resolved with genetics determinations.
 - The Rio Grande sucker and chub are being reviewed to determine whether or not they should be listed as threatened or endangered. This will also take a year for a complete review.

Approximately 14,000 acres of critical habitat for the NM Jumping Mouse (mouse) was designated in a final ruling. The Bosque del Apache National Wildlife Refuge (NWR) is the only known currently occupied habitat.

o Consultation Timeline

- A handout outlining the timeline for the consultation was provided to attendees (please refer to the actual document, titled *MRG Water Operations Biological Opinion Consultation Timeline; dated 02/22/2016*).
 - Information updates and analyses will occur throughout April and May.
 - The internal review will continue through June with a published draft Biological Opinion (BO) by the end of June.
 - Agencies will have opportunity to review the document as shared by Reclamation. A request for comment period extension is anticipated.
 - Any necessary meetings will be convened and the Final BO will be issued at the end of August (provided there are no extensions).
- In response to a question regarding opportunity to read early drafts of the BO, it
 was shared that the draft BO will remain in the Service's internal process until
 the official draft is published. The Service will hold any discussions with
 Reclamation if/as necessary.
 - Some EC members requested consideration for opportunities to be involved early and thus potentially avoid extending the comment period.

o Species Update:

- o Rio Grande Silvery Minnow (minnow):
 - The minnow population results from the December 2015 monitoring efforts are available. In October, the minnow population density was ~0.2 minnow per 100m² (all wild) with 40% habitat site occupancy. In December, the minnow population density was ~2.0 minnow per 100 m² and occupying 80% of sites. Please note this monitoring occurs after the augmentation in November.
 - This data is used to inform the Service on the status of the species. When population density is below 1 minnow per 100 m², it becomes very important to preserve number of spawning adults. One way to accomplish this is to limit sampling of the spawners. No formal results from the February monitoring are available at this time; however, after review of the February or April results, the Service will inform Permittees of any needs to suspend sampling activities.

o Flycatcher:

- Protocol training for the flycatcher is scheduled for May 17 and 18 but is close to capacity already. If you need a permit, please sign up as soon as possible.
- o *Yellow-billed Cuckoo*: Protocol training for the cuckoo is scheduled for June 14th. Please sign up as soon as possible.
- NM Interstate Stream Commission (ISC):
 - o ISC remains busy on restoration projects including moving over 40,000 cubic yards of material in the Rio Rancho Bosque Open Space to improve emergency vehicle access to their Middle Bosque as well as providing more availability in this part of the river of inundated habitat during spring runoff. Over the past 10 or more years less floodplain habitat inundates because of the levels of flows seen and also due to river incision that is still occurring. ISC will also be completing maintenance work on some of the Phase I Rio Rancho sites that were constructed in 2013.

- o The Rio Grande Compact Commission will be meeting March 30 and 31 in Alamosa to review last year's account and this year's activities. Based on NM accounting, NM has a credit of approximately 400 ac-ft. If absolutely necessary, NM can accrue of debit of 200,000 ac-ft without violating the Compact. However, in a debit situation, priority of storage occurs with Elephant Butte. If Elephant Butte Reservoir is low when NM is in debit, Texas may require New Mexico to retain and store water in upstream reservoirs at the debit amount for release at their call. By not being in debit, NM water managers have more flexibility to store water under the Compact.
- *Albuquerque Bernalillo County Water Utility Authority (ABCWUA)*:
 - o ABCWUA has been working with the City of Albuquerque's Open Space division on habitat work and planting efforts. It is a good way to get the public involved and highlights what can be accomplished with partnerships.

Sevilleta Habitat Restoration Phase II Presentation

- Grace Haggerty (with ISC), Kathy Granillo (with FWS/Sevilleta NWR), and Dustin Armstrong (BOR) gave a presentation on "Reconnecting The River And Floodplain In The Middle Rio Grande: Isleta And San Acacia Reaches."
 - o ISC, Reclamation, and the Service have been working together on a recent joint project on the Sevilleta Nation Wildlife Refuge (Sevilleta). Some of this information was presented during the Open House on December 3rd but subsequent work has been completed since then.
 - Other contributors included: the Program, Save our Bosque Task Force, Audubon Society, the Corps, MRGCD, GeoSystems Analysis, SWCA, and Fish and Wildlife Ecological Services.
 - Habitat Restoration Objectives
 - For a number of years, many partners within the Program have been completing restoration work in the bosque and along the river to assist with endangered species habitat improvements.
 - Restoration objectives for these projects are:
 - Provide spawning and rearing habitat for the minnow the degrading river results in channelization (due to dams) which prevent flows from reaching habitat sites;
 - Improve riparian habitat for flycatcher and cuckoo;
 - Reconnect and create active floodplain habitat that will inundate during low to moderate spring runoff:
 - o Flows: 1500 2500 cfs (as a "typical" low flow range and runoff "peak"; over the last several years, management has had to work to even manufacture flows that high; however, past flows have been up to 3,500 cfs);
 - o Flooding duration of ≥ 5 day (to keep sites flooded for egg retention and larval fish development);
 - o Frequency of every 2 years;
 - o Area: >1 acre/site (linking of multiple sites along the river can provide connected, larger-scale landscape restoration work)
 - o Rio Rancho Work
 - This work will be submitted as non-federal cost share.
 - Activities included:
 - Putting in silt fencing;
 - Lowering the floodplain and putting the material in the river;

- Upon completion, the silt fencing will be removed and the site will provide temporary inundation (and habitat) opportunities in a very narrow stretch of river.
- It is assumed the loose sediment will wash out quickly.
- o Examples Of Habitat Improvements In The Albuquerque Reach
 - In March 2009, the bankline (at this particular example site) was mostly Russian Olive and saltcedar with an elevation above high runoff. After construction, in April 2009, the non-native vegetation had been cleared and the bankline was "gradationally" lowered.
 - By September 2009, native species were present including coyote willow and cottonwood.
 - As of July 2011, the site continued to mature showing diverse vegetation structure with low velocity "edge" habitat available during below-average spring snowmelt runoff.
- o Collaboration In Design-Build-Monitor for Isleta/San Acacia Restoration
 - As part of its commitment for moving to a Recovery Implementation Program (RIP), ISC sought funding for habitat restoration from the state legislature in 2014 and received \$450,000 capital outlay funds.
 - The best way to proceed effectively was to form partnerships for planning and construction.
 - Additional meetings occurred with stakeholders on restoration concepts for the Isleta and San Acacia reaches.
 - The Sevilleta applied for and received Cooperative Recovery Initiative Grant money to contribute to the project funding.
 - Reclamation agreed to provide construction support (cost and man-power) for the planned projects.
 - Compliance and monitoring will be shared by all 3 entities.
- o Project Area
 - There are 36 miles between NM 60 Bridge (RM 130) and Brown Arroyo (RM 94) south of the San Acacia Diversion Dam ([SADD]) that have flows year round (mostly).
 - Geomorphic conditions of this area are affected by input from the Rio Puerco and Rio Salado as well as the SADD.
 - Below the dam, the floodplain is disconnected and needs to be improved. Above the dam, better floodplain habitat will be created on the Sevilleta. It will be interesting to see the interaction with the other two (2) rivers and floodplain.
- Habitat Restoration Site Selection Process
 - The site selection began with screening potential areas and using HEC-RAS hydrology models and LiDAR to determine potentials outside the channel that have opportunity to wet at certain flows but may not be currently connected.
 - The target flows are between 1,500 cfs and 2,500 cfs so site consideration took account for the amount of work that might be required.
 - Potential sites were field verified and the vegetation conditions noted.
 - 22 potential sites were identified, all on government property. Those potential sites were reduced to 6 sites for the initial phase of the project.
- Develop Site Designs
 - Field surveys included topographic, vegetation, land owner determinations, archeology, etc. were completed.

- Developed 2D hydrology models allowing the team to determine the cut-and-fill on the sites.
- Floodplain excavation requirements (to achieve the desired inundation discharge/depth/depletions) were estimated.
- Predicted habitat improvements (inundated acres, depths, etc.) were quantified.
- All this information is provided to the Service to estimate any take and provide permits; informs environmental assessments; etc.

• Site and Construction Examples

- Several photographs of before, during, and after construction were shared as examples of the progress being made.
- Highlights include:
 - The river is really narrow in this location and restoration work is aimed at getting back as much historic floodplain as possible and creating backwater channels that will facilitate the river spreading out (and creating much needed habitat).
 - The Sevilleta Unit A site was originally dominated by a lot of old, thick saltcedar. Nearly 40 acres of it was cleared last year and this year with excavators, bulldozers, etc. Flycatchers are not currently using the site but previously had territories in the area (haven't been observed in 4 to 5 years).
 - Piles of removed saltcedar were burnt once removed. The dirt was moved out of the area and used to strengthen the nearby levee.
 - The site was designed to fully inundate at 2,000 cfs. This essentially doubles the area inundated at lower flows.
 - An adjacent site had been planted with Goodding's willow but it grew too thick for the flycatchers. So this grove was thinned and the saplings were used to plant the Sevilleta Unit A site.
 - This year, ~2,000 trees were planted near the river and around the existing cottonwoods. The intent is (1) to provide a bushy understory with 6-10 inch "sticks" in between the traditional pole plantings and (2) make gentle slopes up to the levee to be planted with grasses. For this site, groundwater is 3 to 4 feet down.
 - During the large movement of water last December, the backwater channels at this site did fill.
 - An additional ~18,000 trees will be planted next year (for a total of ~20,000 trees).
 - Restoration at this site creates habitat, not just for the federally listed species, but all wildlife (include mule deer). But the accountability is for the listed and endangered species.
- This successful project showcases what can be accomplished with solid partnerships the Sevilleta will be able to provide long-term stewardship (and maintenance) of the site(s) and there will be more data/information available because it is located on the Refuge.
- In response to a question on site selection and the bend in the river, it was explained that while the bend is considered advantageous, it was not the primary reason for choosing this site. The site was monotypic saltcedar and once that was cleared, the sediment movement wasn't going to "as major" an effort compared to other locations. The meander offered more assurance of low velocity habitat and less rapid erosion.

- Additional Project Details and Next Steps
 - Tractors were used to smooth out all identified entrapment issues. There is still the need to do infrastructure work and support/reinforce the levees and berms in and around the site.
 - Fire turn-around places are being included in the design plans as a way to address fire safety concerns for people and equipment.
 - O A flycatcher has set up near the site last year; and 2 or 3 cuckoos moved into the areas south of this site.
 - Other areas that might be ready to undergo similar work within the near future have been identified.
 - o The coordination of on-the-ground men and equipment was superb.
 - O Upon completion of Sevilleta Unit A, the team will begin work on the site to the south (Unit B) once the design is complete.

EC Representation for PASS Evaluation:

• Selection of EC representatives to participate in the PASS proposal evaluation was tabled until the April meeting due to the proposal review delay.

RIP Documents Updates and Recommendations

- Deb Freeman, via teleconference, provided an update from the RIP Subgroup. Ms. Freeman shared that the group continues to meet as does the smaller legal subgroup. The next meetings are scheduled for April 4th and April 8th. The revised Program Document is on-track to be provided as a read-ahead for the April EC meeting. The read-ahead will be a consolidated set of the red-line edits that are recommended to the Program Document.
- It is envisioned that the EC will spend quality time in April reviewing the suggested changes, asking questions, and having any pertinent discussions so that the draft final version can be presented at the May meeting for an endorsement decision.
 - O The EC needs to be comfortable with the updates and refinements to the document so that it can be considered by the Service as it completes the consultation. Please note that this endorsement decision *is not* the decision to establish the RIP which is subsequent to the release of BO.
 - o Most changes have already been reviewed at some level with the EC some have been further refined and there are additional suggested edits on the issue of how the RIP is to be established and what paperwork might be needed to accomplish that.
 - The majority of the changes to the Program Document have been aimed at providing clarification that the Service needs. Once the EC is comfortable with and endorses the revised document, the Program will need to confirm alignment with BO in order to move forward.

By-Laws Discussion

- The need to eventually update the EC Bylaws was identified several meetings ago. The RIP Subgroup is has begun preliminary discussions, but is waiting on input from the attorney subgroup before proceeding further.
- All EC members are encouraged to read and review the existing By-laws as there will be some suggested revisions to those. As part of the establishment of the RIP, the EC will be operating by strictly following the By-laws (attendance, participation, decision-making, etc.).
- It has been suggested the EC consider working through the By-laws, section by section, over the next several meetings.

Coordination Committee (CC) Updates:

- The Coordination Committee did not meet in March but will resume regularly scheduled meetings in April. The CC will being discussions on the FY2017 budget and projects.
- The draft FY2014 Program Annual Report was distributed to CC members for review and comments. The final report is expected soon. The FY2015 Program Annual Report will be contracted out as well.

Meeting Summary:

- A quorum was present for today's meeting. The agenda was approved with no changes and the
 February meeting notes were approved for finalization with the exception of the Adaptive
 Management portion of which red-line edits (as suggested by GeoSystems Analysis) will be
 approved separately at the April EC meeting
- Agencies presented updates and announcements during the Agency Roundtable.
 - o In the hydrology update, it was shared that it is still too early to know with any certainty what the spring conditions will be. Right now, there are warm temperatures and winds that are depleting the snow pack.
 - o The MAT will be meeting in April.
- ISC and partners presented on the Sevilleta Habitat Restoration Phase II.
- Selection of EC representatives to participate in the PASS proposal evaluation was tabled until the April meeting due to the proposal review delay.
- The revised Program Document will be available as a read-ahead for discussion at the April EC meeting and expected endorsement in May.

Public Comment

• There was no public comment.

Announcements

- Reclamation's Environmental Impact Statement (EIS) on the Rio Grande Operating Agreement will be open for public comment soon.
- The Service is scheduling an "Executive Day on the River" for June 7th. Agency heads will be receiving details and invitations after the arrangements and field stops have been confirmed.
- Reclamation's and Corps' Water Operation Planning meeting is scheduled for April 20th at Reclamation.

Next Meeting: April 21st, 2016 from 9:00am to 12:00pm, location TBD

- Tentative April agenda items: (1) Review and Approve Adaptive Management Section of the February 18th meeting notes; (2) Review Item: revised RIP Program Document (for endorsement in May); (3) PASS Proposal Evaluations: Identify and Approve 2 EC representatives for participation; (4) Minnow Action Team Updates; (5) Review/Discuss EC Bylaws Section 5; (6) Discuss/Decision: move standing meeting day to 2nd or 4th Thursday of each month;
- Tentative future agenda items: (1) Population Monitoring Workshop report presentation (May); (2) Endorse Revised RIP Program Document (May); (3) Discussion/Updates on Recent and Upcoming Reports (Adaptive Management Documents; Genetics Peer Review Draft Report);

Executive Committee Meeting Attendees March 17th, 2016

Attendees:

Representative Organization Seat

Brent Rhees Bureau of Reclamation Federal co-chair Rick Billings (A) Albuquerque/Bernalillo County Non-federal co-chair

Water Utility Authority

Jennifer Faler (P) Bureau of Reclamation Federal co-chair

Rolf Schmidt-Petersen (A) NM Interstate Stream Commission **NMISC** LTC Patrick Dagon (P) U.S. Army Corps of Engineers Corps U.S. Fish and Wildlife Service Wally Murphy (A) **FWS** Matt Schmader (P) City of Albuquerque **COA** Bosque Ecosystem Monitoring Program Kim Eichhorst (P) **BEMP** Frank Chaves (P) Pueblo of Sandia Sandia Matt Wunder (P) NM Department of Game and Fish **NMDGF** NM Attorney General's Office Bill Grantham (A) NMAGO Ryan Ward (P) (via phone) NM Department of Agriculture **NMDA**

Others

Ali Saenz

Jim Wilber (A)

Leann Towne

Dustin Armstrong

Bureau of Reclamation

Bureau of Reclamation

Bureau of Reclamation

Bureau of Reclamation

LTC Jamie Booth U.S. Army Corps of Engineers U.S. Army Corps of Engineers Kris Schafer (A) U.S. Army Corps of Engineers Susan Bittick (A) Nathaniel Naranjo U.S. Army Corps of Engineers Julie Alcon U.S. Army Corps of Engineers U.S. Fish and Wildlife Service Dave Campbell U.S. Fish and Wildlife Service Johanna Roy Joel Lusk U.S. Fish and Wildlife Service Vicki Ryan U.S. Fish and Wildlife Service Kevin Cobble U.S. Fish and Wildlife Service /BdA

Brooke Wyman MRGCD
Grace Haggerty ISC
Chris Shaw ISC
Deb Freeman (via phone) for ISC

Kyle Harwood
Rick Carpenter
Rick Carpenter
BBD/City of Santa Fe
BBD/City of Santa Fe
Sevilleta NWR
Maria O'Brien
ABCWUA

Todd Caplan GeoSystems Analysis

Marta Wood Alliant Environmental (note taker)