

Science and Habitat Restoration Work Group Meeting  
*February 12, 2019*

Meeting Materials:

Meeting Agenda

Meeting Minutes

Genetic Monitoring of the Rio Grande Silvery Minnow: Genetic Status of Wild and Captive Stocks in 2018 [report, not included]

Rio Grande Silvery Minnow 2018 Collections



# Middle Rio Grande Endangered Species Collaborative Program

Est. 2000

## Science/Habitat Restoration Work Group (ScW/HR) Meeting Agenda

February 12, 2019 9:00 AM – 12:00 PM  
Location: WEST Inc. 8500 Menaul Blvd NE

Conference Call Information:  
Phone: (712) 451-0011 Passcode: 141544

9:00 – 9:10	<b>Welcome, Introductions, and Agenda Review</b> <ul style="list-style-type: none"><li>➤ <b>Decision:</b> Approve meeting agenda</li></ul>	<i>Ashley Tanner</i>
9:10 – 9:25	<b>Review of January 2019 ScW/HR meeting</b> <ul style="list-style-type: none"><li>• Action items update</li><li>➤ <b>Decision:</b> Approve January meeting minutes</li></ul>	<i>Ashley Tanner</i>
9:25 – 10:25	<b>Presentation: Genetic Monitoring of the Rio Grande Silvery Minnow</b>	<i>Megan Osborne</i>
10:25-10:30	<b>Additional items, follow-ups, and next meeting date</b> Next Meeting: March 12, 9am – 12pm Brown Bag Presentation: 12:15pm - 1:15pm	<i>Ashley Tanner</i>
10:30	<b>Adjourn</b>	



# Middle Rio Grande Endangered Species Collaborative Program

Est. 2000

## Science/Habitat Restoration Work Group (ScW/HR) Meeting Minutes

**February 12, 2019 9:00 AM – 10:30 AM**

**Location: WEST Inc. 8500 Menaul Blvd NE**

### Decisions:

- ✓ The ScW/HR approved the February 12, 2019 meeting agenda with no changes
- ✓ The ScW/HR approved the January 9, 2019 meeting minutes with one name correction

### Actions:

WHO	ACTION ITEM	BY WHEN
Ashley Tanner	Distribute the I-LTP	February 15
All signatory participants	Provide priorities for projects to develop SOWs for in 2019	March 1
WEST	Distribute the Bibliography of Literature Published in 2018	February 28
All signatory participants	Continue sending SOW ideas to WEST	Ongoing
All signatory participants	Send Ashley T. ideas for Climate Change/Other Brown Bags	Ongoing

**Next Meeting:** March 12, 9am – 12pm

**Brown Bag Presentation:** 12:15pm - 1:15pm

## Meeting Notes

### Welcome, Introductions, and Agenda Review

Ashley Tanner, Deputy Science Coordinator with WEST, opened the meeting and reviewed the proposed meeting agenda.

- Janet Armstead was introduced as the new Administrative Assistant at WEST
  - ✓ **Decision: The ScW/HR approved the February 12, 2019 meeting agenda with no changes**

### Review of January 2019 ScW/HR meeting

Ashley T. reviewed the action items from the January 9, 2018 ScW/HR meeting.

- Action items update

- WEST continues to accept Scope of Work (SOW) ideas, as the development of a multitude of SOWs will be crucial for the Adaptive Management (AM) process during the next couple of years. Email your SOW ideas to Ashley T. and she will help.
  - **Action item: Continue sending SOW ideas to WEST**
- Ashley T. indicated the ongoing project list from the Interim Long-Term Project (I-LTP) and recommendations for prioritization of projects will be distributed by February 14
  - **Action item: Distribute the ongoing projects and recommendations from the ILTP**
  - **Action item: Provide priorities for projects to develop SOWs for in 2019**
- Ashley T. thanked the volunteers who staffed the Collaborative Program table at the TWS/AFS Joint Annual Conference and those who stopped by the table last week
- ✓ **Decision: The ScW/HR approved the January 9, 2018 meeting minutes with one name correction**

### **Presentation: Genetic Monitoring of the Rio Grande Silvery Minnow**

Megan Osborne of the University of New Mexico (UNM) presented her research

- Discussion involved questions for clarification regarding genetic drift, parentage analysis, captive stocks, SNP development, confidence intervals for large population estimates, and haplotypes

### **Additional items, follow-ups, and next meeting date**

- Next meeting: March 12, 9 am – 12 pm
- There will be a brown bag after the March meeting from 12:15 to 1:15 pm
  - Tentative upcoming brown bag speakers
    - March 12: Previous student of Kim Eichhorst will be presenting on groundwater and surface water relationships in Albuquerque
    - April 9: Jose Solis (hydrologist from the New Mexico Interstate Stream Commission (NMISC))
    - May 14: David van Horn or Cliff Dahm (UNM Biology)
- Ashley T. will send out Megan's PPT from the presentation
- Please send ideas to Ashley for Brown Bag speakers, especially regarding climate change
- Megan O. announced that Jerry Smith (University of Michigan) will be giving a lecture on Research Day (UNM Biology Department) on "*Interactions among Geologic, Climatic, and Biotic Mechanisms Determine Fish Species Persistence in Western U.S.*" in Castetter Hall Room 100 on March 28

## Meeting Participants

<b>Participant</b>	<b>Organization</b>
Jen Bachus	U.S. Bureau of Reclamation
Kim Eichhorst	Bosque Ecosystem Monitoring Program
Brian Hobbs	U.S. Bureau of Reclamation
Mo Hobbs	Albuquerque-Bernalillo County Water Utility Authority
Alison Hutson	NM Interstate Stream Commission
Kathy Lang	City of Albuquerque BioPark
Joel Lusk	U.S. Fish and Wildlife Service
Mike Marcus	Assessment Payers Association of the Middle Rio Grande Conservancy
Kate Mendoza	Albuquerque-Bernalillo County Water Utility Authority
Megan Osborne	University of New Mexico
Michael Porter	U.S. Army Corps of Engineers
Dana Price	U.S. Army Corps of Engineers
Nathan Schroeder	Pueblo of Santa Ana
Stephen Zipper	SWCA Environmental Consultants
Ashley Tanner	WEST, Inc.
Janet Armstead	WEST, Inc.

Row Labels	Average of SL_mm	Min of SL_mm	Max of SL_mm
Angostura	52.712	35	79
Isleta	49.691	36	75
San Acacia	48.000	33	63
<b>Grand Total</b>	<b>50.148</b>	<b>33</b>	<b>79</b>