



## PLATTE RIVER RECOVERY IMPLEMENTATION PROGRAM (PRRIP or Program)

### Adaptive Management Working Group (AMWG) Virtual Meeting

November 03, 2020

**Attendees** – Jeff Runge, USFWS; Jim Jenniges, NPPD; Dave Zorn, CNPPID; Andy Caven, Crane Trust; Matt Rabbe, USFWS; Tom Econopouly, USFWS; Mike Drain, CNPPID; Brandi Flyr, CPNRD; Brock Merrill, USBR; Jojo La, State of Colorado; Executive Director's Office (EDO) Staff

November 03, 2020 (4 hours)			
LOCAL MEETING TIMES New York: 2:00 PM EDT Nebraska: 1:00 PM CDT Wyoming: 12:00 NOON MDT Colorado: 12:00 NOON MDT * See calendar invite for MS Teams meeting link (audio & video)		START TIME (CDT)	<a href="#">MEETING DOCUMENTS</a>
Coffee Time, 12:45-1:00 PM CDT– the Teams meeting will open early to allow for personal discussion and pleasantries over coffee. Not required but feel free to join us!			
WELCOME & ADMINISTRATIVE		Meeting Objective: Greetings, roll call, review agenda, re-cap of previous meeting.	
Introductions – Teams participant list		1:00 PM	n/a
Agenda - modifications		1:05 PM	Meeting Agenda
Previous Meeting Recap – AMWG meeting, 10/20/2020		1:10 PM	<a href="#">Meeting Summary</a>
Review of QUESTIONS TO ADDRESS		Meeting Objective: Outlining the process.	
AMP Management Objective for LT and PP <ul style="list-style-type: none"><li>Are we meeting it?</li><li>How do we measure it?</li><li>How do we talk to the GC about this management objective?</li><li>What have we learned during the First Increment?</li><li>What do we need to learn to continue to meet it if we are, or to meet it if we are not?</li></ul>		1:15 PM	n/a
VIRTUAL TOOLS TUTORIAL		Meeting Objective: Ensuring participant accessibility.	
Technical Tools Onboarding <ul style="list-style-type: none"><li>Mentimeter – complete poll sent out if not already done</li></ul>		1:20 PM	<a href="#">BIG QUESTIONS for LT and PP</a>
TERNs & PLOVERS What do we need to know?		Meeting Objective: Identifying BIG QUESTIONS.	
Discussion of responses to Mentimeter poll <ul style="list-style-type: none"><li>Organizing into BIG QUESTIONS</li></ul>		1:30 PM	n/a



TERNs & PLOVERS Identifying Factors that DIRECTLY or INDIRECTLY Affect Productivity		Meeting Objective: Developing LT and PP CEM.	
<ul style="list-style-type: none"><li>○ Identify factors that DIRECTLY affect LT and PP productivity.</li><li>○ Identify factors that INDIRECTLY affect LT and PP productivity.</li><li>○ Have we included both threats and benefits?</li><li>○ For consideration:<ul style="list-style-type: none"><li>• Weather, Inundation</li><li>• Predation (terrestrial and avian)</li><li>• Renesting</li><li>• Density-dependent limitations (carrying capacity)</li><li>• Site age</li><li>• What do we know about how site choice, site fidelity, past site-specific productivity effects current productivity?</li></ul></li></ul>		2:00 PM	<a href="#">Szell and Woodrey 2003</a> <a href="#">Anteau et al 2012</a> <a href="#">Farnsworth et al 2017</a> <a href="#">Smith 1999-2008</a> <a href="#">Baasch et al 2017</a> <a href="#">Farrell et al 2018</a> <a href="#">Robinson et al 2019</a> <a href="#">Catlin et al 2011</a> <a href="#">Saunders et al 2017</a> <a href="#">Swift et al 2020</a> <a href="#">CatlinPhD2009</a> <a href="#">Aug 1 2019 LT PP CEM DRAFT</a>
Meeting Break (3:00 – 3:10 PM)			
TERNs & PLOVERS Ranking DIRECT impacts on LT and PP Productivity		Meeting Objective: Prioritization of factors that directly affect productivity.	
<p>Ranking impact of identified factors in terms of:</p> <ul style="list-style-type: none"><li>○ Severity? Scale? Irreversibility?</li><li>○ Degree of PRRIP uncertainty, control, anticipated effectiveness?</li><li>○ Combined Prioritization Scores</li></ul>		3:10 PM	n/a
TERNs & PLOVER Giving Structure to Direct Productivity Factors		Meeting Objective: Giving structure to our CEM.	
<p>How are Direct Productivity Factors related to one another?</p> <ul style="list-style-type: none"><li>○ Grouping vs. breakout</li><li>○ Predation-related</li><li>○ Density-dependent</li></ul> <p>How are Direct Productivity Factors related to our Performance Indicators? Our Management Objective?</p> <p>Degree of PRRIP uncertainty, control, anticipated effectiveness?</p> <ul style="list-style-type: none"><li>○ Which relationships are key to answering our BIG QUESTIONS?</li></ul>		3:30 PM	<a href="#">Aug 1 2019 LT PP CEM DRAFT</a>



<b>TERNs &amp; PLOVERS Giving Structure to Indirect Productivity Factors</b>	<b>Meeting Objective:</b> Giving further structure to our CEM	
<p>How are Indirect Productivity Factors related to one another?</p> <ul style="list-style-type: none"> <li>○ Grouping vs. breakout</li> <li>○ PRRIP Actions, Physical Factors, Habitat?</li> </ul> <p>How are they related to our Direct Productivity Factors? Our Performance Indicators? Our Management Objective?</p> <p>Degree of PRRIP uncertainty, control, anticipated effectiveness?</p> <ul style="list-style-type: none"> <li>○ Which relationships are key to answering our BIG QUESTIONS?</li> </ul>	4:00 PM	<a href="#">Aug 1 2019 LT PP CEM DRAFT</a>
<b>PREPARATION FOR NEXT MEETING</b>	<b>Meeting Objective:</b> Prepare for next meeting.	
<ul style="list-style-type: none"> <li>○ Agenda items for next meeting</li> <li>○ Homework – CEM refinement for LT and PP               <ul style="list-style-type: none"> <li>• Revise relationships among Indirect and Direct Productivity Factors, Performance Indicators and Management Objective</li> <li>• Assign levels of Control, Uncertainty, Impact and Anticipated Effectiveness</li> <li>• Identify broad uncertainties (revise BIG QUESTIONS)</li> <li>• Develop Priority Hypotheses related to BIG QUESTIONS</li> <li>• Make Predictions in terms of independent and dependent variables for data collection</li> </ul> </li> </ul>	4:40 PM	n/a
<p><b>MEETING REVIEW &amp; WRAP-UP</b></p> <ul style="list-style-type: none"> <li>• Action items (5 minutes)</li> <li>• Meeting feedback &amp; key insights (5 minutes)</li> <li>• <b>Upcoming meeting:</b> <ul style="list-style-type: none"> <li>○ Tuesday, Nov. 17<sup>th</sup>, 1-5 PM CDT Virtual</li> </ul> </li> </ul>	4:45 PM	n/a
<b>AMWG VIRTUAL MEETING END</b>		5:00 PM