



Lower Platte River
CORRIDOR ALLIANCE

LEAD. ORGANIZE. INSPIRE. The voice of the Lower Platte.

QUARTERLY MEETING FINAL AGENDA

Tuesday, October 29th, 2013 9:00 a.m.

Papio-Missouri River NRD

8901 S 154th St, Omaha, NE 68138

1. **CALL TO ORDER / INTRODUCTIONS**
2. **PROOF OF LEGAL NOTICE/PUBLICATION**
3. **ADOPTION OF AGENDA [ACTION]**

No corrections made. Agenda was adopted by consensus.

4. **APPROVAL OF LPRCA MINUTES FROM AUGUST 8TH, 2013 MEETING [ACTION]**

No corrections were noted. Minutes were approved by consensus.

5. **USACE SILVERJACKETS PROGRAM FOR FLOOD RISK REDUCTION & MITIGATION—TONY KRAUSE, USACE**

Tony Krause from USACE and John Callen from DNR presented the Silverjackets program. Tony Krause highlighted the 5 objectives of the Silverjacket program and described it as a formal consistent strategy for interagency operations with a focus on flood risk management.

John Callen presented the Community Rating System (CRS) program, and detailed the benefits the program provides for both communities and policy holders.

Tony Krause then presented the Nonstructural Study currently being conducted at Louisville and Cedar Creek with the goals of:

1. Identifying the first floor structure of properties
2. Identifying the property value
3. Calculating damage estimates based on different flood elevations
4. Conducting a cost-benefit analysis of different approaches to flood-proofing.

The tentative timeline for current Silverjacket program operations is as follows:

- Nonstructural Assessment (April-June 2014)
- CRS program review (April-December 2014)
- Outreach effort (December 2014)

6. **USGS ROLE IN MONITORING THE SOUTH PLATTE & PLATTE RIVER FLOODING—JASON LAMBRECHT, DAVE RUS & MATT MOSER, USGS**

Jason Lambrecht, from USGS, gave a presentation on the USGS monitoring activities on the South Platte and Platte River during the September 2013 flooding. Lambrecht presented a chronology of events, detailing the start of the flood on September 8, 2013 through the high waters of October 4, 2013. Lambrecht spoke on the number of measurements made and methods of measuring used at specific locations, to include use of an Acoustic Doppler Current Profiler (ADCP) and the Price AA meter. Lambrecht also included insight on how the Federal furlough that started on October 1, 2013 affected the USGS ability to monitor the final stages of the flood activity.

Dave Rus, from USGS, gave a presentation on the flood sampling and timeline of water quality response. Rus highlighted the concerns over what was in the flood water, specifically wastewater and oil infrastructure contamination, and the sampling and screening undertaken to monitor such quality issues to include:

- Traditional sampling
- E. coli screening
- VOC screening

Rus concluded with a chronology of water quality throughout the duration of the flood.

7. LOWER PLATTE RIVER WATERSHED MANAGEMENT PLAN—MATT PILLARD AND GEORGE HUNT, HDR

Matt Pillard and George Hunt of HDR Inc. provided an update on the development of the Watershed Management Plan for the Lower Platte River Corridor. Draft goals and objectives were presented as was initial results of the data collection and modeling. Discussion from the group focused on the impact of BMPs on certain constituents. The plan's goals and modeling results will be the focus of a stakeholder meeting in early November.

8. CAMP ASHLAND CHUTE RESTORATION—LARRY VRTISKA, NEARNG

Larry Vrtiska from the NEARNG presented a project to restore approximately 1 mile of the existing west chute at Camp Ashland. Vrtiska highlighted multiple benefits of undertaking the project to include:

1. Reduction of channelization increasing backwater habitat
2. Improved sandbar habitat for threatened and endangered species
3. Better management of the wooded area currently hindering use for NEARNG training.

Vrtiska presented a comparison of Camp Ashland in 1958 vs. Present Day Camp Ashland to illustrate the change in flow through the chute.

Next Steps:

1. NEARNG to complete design for restoration project (tentatively 60-90% complete by December 2013)
2. NEARNG to complete tree removal and excavation on NEARNG property
3. LPRCA members to consider design and construction of inlet
4. Tentative construction starting in July 2014

9. RIVER OBSTRUCTION REMOVAL AT TWO RIVERS SRA—DON DAY, OLSSON ASSOCIATES

Don Day of Olsson Associates presented updates on the status of the removal of the riverbed obstruction at Two Rivers SRA. The bid to perform the work opened on September 16, 2013. Only two bids were received. The first bid was for \$2.5 million. The second bid totaled approximately \$1.8 million. With a total budget of approximately \$850k for the project, costs saving options are being sought. Talking with the two contractors identified the time frame for the project and the depth for which the piers are to be removed as the main factors driving costs so high.

Following discussion centered on ways to expand the time frame for the project and the impact of altering the original intended depth of removal.

Next Steps:

- Continue to seek cost saving options through discussions with contractors
- 12 month permit extension pending response
- Seek to re-bid project within the next calendar year

10. CORPS OF ENGINEERS STUDIES

a. CUMULATIVE IMPACT STUDY—JEFF GREENWALD, USACE

Jeff Greenwald of the Army Corps of Engineers presented the results from Phase III of the Cumulative Impact Study (CIS). The objective of the study is to provide management entities with information on relationships between human activities and sediment sources. The focus of Phase III of the CIS was on the cumulative impacts of bank stabilization related to sediment withdrawal from the Lower Platte River System. Bank stabilization activities physically prohibit material erosions which decreases sediment loads and directly affects the sandbar formation process. Even though bank stabilization activities on The Lower Platte are regulated, the study showed that bank stabilization practices are on the rise.

Additionally, Greenwald explained that the sediment budget used in the CIS was not one comprehensive model but assembled from various models to include the 2011 Geomorphic Classification Report by the USGS and the 2011 Platte River Stability Report by the USACE. From which the conclusions were that the Lower Platte River is generally stable and not experiencing dynamic change in sediment loads.

Next Steps:

- Further sediment studies not recommended, results not expected to change
- Bank stabilization surveys and monitoring
- Refining the Conceptual Ecological Model

b. CIS PHASE 3 SEDIMENT BUDGET ANALYSIS—JASON ALEXANDER, USGS

Jason Alexander of USGS presented in further detail the CIS Phase III Sediment Budget Analysis stating the goals of the Sediment Budget Study as:

1. Assess the potential effect of bank stabilization on reductions in sediment contributions to sandbars
2. Determine the relative contributions of various sources of sediment to sandbar physical habitat.

Alexander also presented the different approaches to the sediment study:

1. Assess differences between grain size distributions of samples from sandbars with those of hypothesized sources. (REACH SCALE)
2. Use grain-size specific estimations of sediment budget equation components to determine relative contributions of various sources. (SEGMENT SCALE)

c. SECTION 22—JEFF GREENWALD, USACE

Jeff Greenwald deferred to Meghan Sittler to provide an update on the Recreation Planning Study (Section 22).

Sittler summarized the current stages of the Recreation Planning Study.

1. The Public Opinion Survey had been submitted for approval.
2. Interested parties have been provided an opportunity to provide feedback on the current GIS land use assessment maps, responses are still being received or expected.
3. HDR is currently working on the hydraulic analysis study.

11. NRD INTEGRATED MANAGEMENT PLANS UPDATE

Glenn Johnson provided an update on the LPSNRD Water Management Plan(WMP).

- The LPSNRD WMP is scheduled to go to the board for approval at the December board meeting. Final adoption tentative for January board meeting.

Marlin Petermann provided an update on the P-MRNRD WMP.

- The Lower Platte portion of the district including the Elkhorn is in progress.
- There have been 5 stakeholder advisory meetings so far
- Tentative completion in May-June 2014.

Tom Mountford provided an update on the LPNNRD WMP.

- WMP is in its beginning stages.
- Board intend to move forward starting January 2014

12. WRDA AUTHORIZED PROJECT UPDATES

- DEADMAN'S RUN-GLENN JOHNSON
 - Still working on the scope of the project
- SAND CREEK
 - In the final steps by the end of Fall 2013.
- FREMONT & SCHUYLER 205
 - Schuyler levy project construction should start in November
 - Fremont is currently stalled. Meeting to initiate after first of the year.
- WESTERN SARPY CLEAR CREEK-MARLIN PETERMANN
 - Waiting on Water Source Development Act
 - House has now adopted a bill
 - Project is nearly done, currently in Phase V from Thomas Lakes past Big Sandy.
 - Estimated \$3.5 million in Federal money needed for completion.
- LOWER PLATTE RIVER WATERSHED AUTHORITY
 - Authorized in previous WRDA bill, continuing to seek additional funding.

13. NEXT MEETING DATE [ACTION]

9 AM Tuesday January 21, 2013 @ LPNNRD

14. PUBLIC COMMENT

15. ADJOURN

NOTES

- **To be removed from/ added to our mailing or e-mailing list**, please contact the LPRCA at (402) 476-2729 or via e-mail at msittler@lpsnrd.org.
- **Meeting information (past and present)** will be kept up to date at www.lowerplatte.org/meetings.html.