



SPNRD IMP

Meeting 4

February 27, 2019



TODAY'S AGENDA

1. Welcome
2. Administration
 - a. November Meeting Recap
3. Review of Draft Integrated Management Plan (IMP)
4. Public Comment

WELCOME

- Open Meeting Notice
- Safety & Logistics



ADMINISTRATION

November Meeting Recap



November Meeting Recap

- Adjacent States Issue
- Overview of Basin-Wide Plan
 - Total Depletions
- 2nd Increment Discussion
 - Municipal and Industrial
 - Drought Mitigation Plan



REVIEW OF DRAFT IMP

Integrated Management Plan (Draft)

1. EFFECTIVE DATE
2. AUTHORITY
3. BACKGROUND
4. MAPS AND MANAGEMENT AREA BOUNDARIES

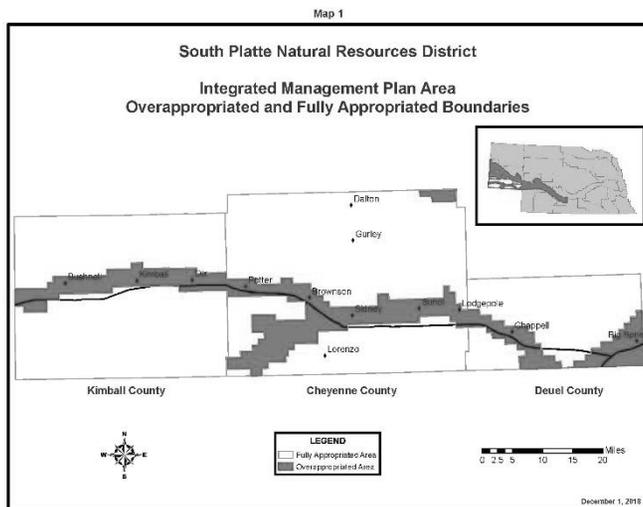


Figure 1

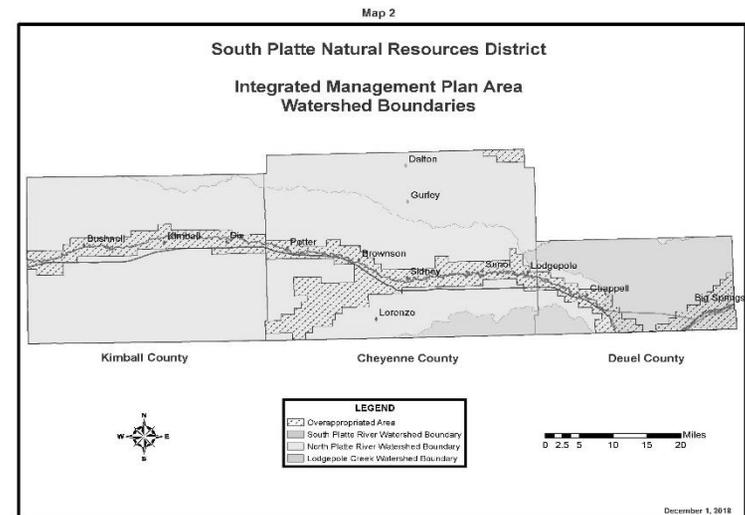


Figure 2

Integrated Management Plan (Draft)

5. VISION STATEMENT

The overarching vision of this IMP, is to work together for the greater good of all citizens of the District to cooperatively develop and implement a local Integrated Surface Water/Ground Water Plan that has an acceptable degree of certainty of 1) maintaining a sufficient water supply for use by present and future generations, 2) maintaining, enhancing and protecting the region's agricultural economy and the viability of its cities and villages and 3) promoting the growth of economic activities while seeking to avoid adverse impacts on the environment.

Integrated Management Plan (Draft)

6. FUNDING
7. SCIENCE AND METHODS
 - 7.1 Best Available Science, Methods, Data, and Tools to be Used in the First Increment
 - 7.2 Best Available Science, Methods, Data, and Tools to be Used in the Ongoing Increments
 - 7.3 Information Considered in Developing this IMP

Integrated Management Plan (Draft)

8. FIRST INCREMENT ACCOMPLISHMENTS

- 8.1 Studies Conducted and Information Obtained in First Increment
- 8.2 Summary of Management Actions Taken in the First Increment
- 8.3 Assessment of First Increment (Robust Review)

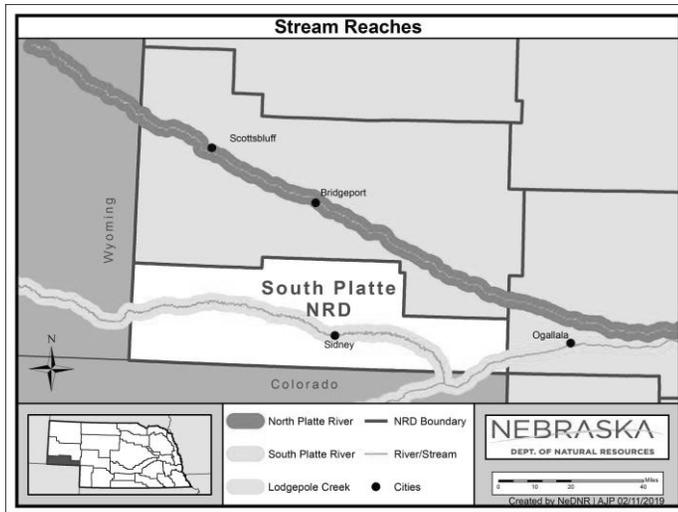


Figure 3

Linear Trend and Interannual Variability of Modeled Impacts
SPNRD to North Platte River

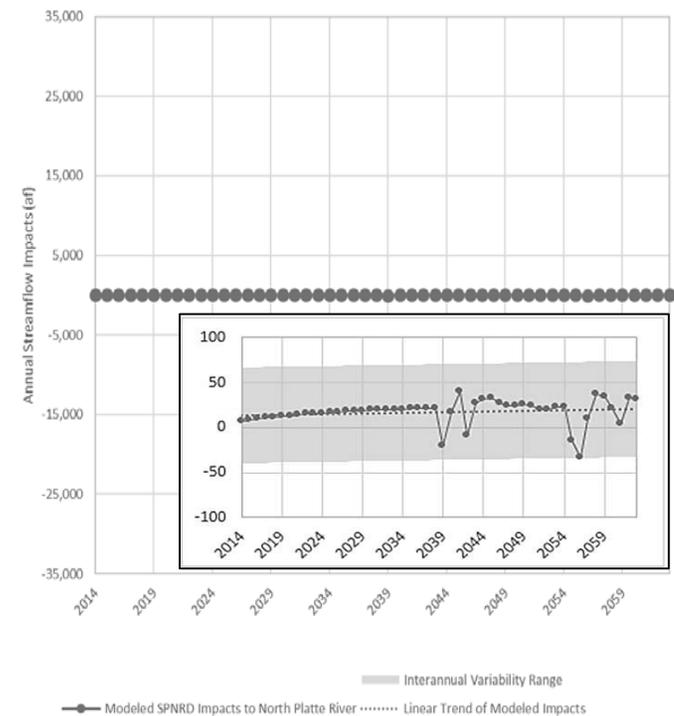


Figure 4

Integrated Management Plan (Draft)

8. FIRST INCREMENT ACCOMPLISHMENTS

8.3 Assessment of First Increment (Robust Review)

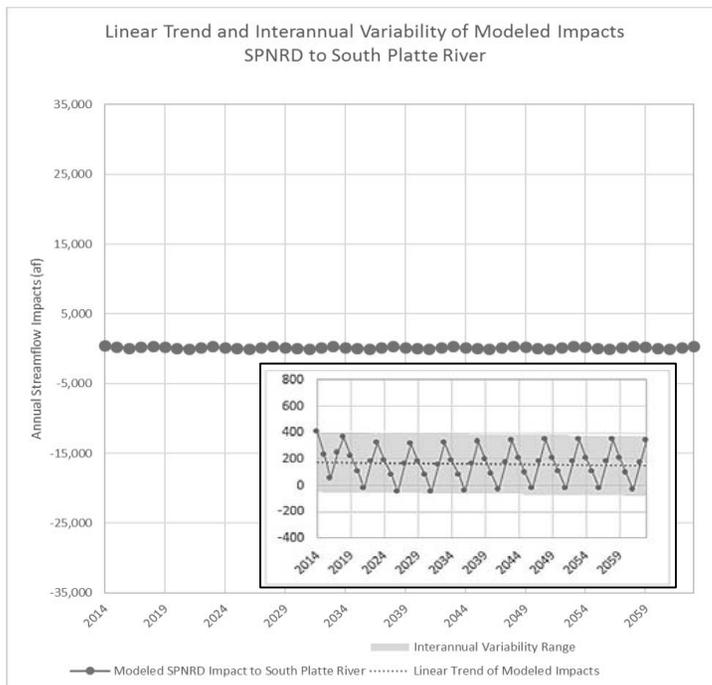


Figure 5

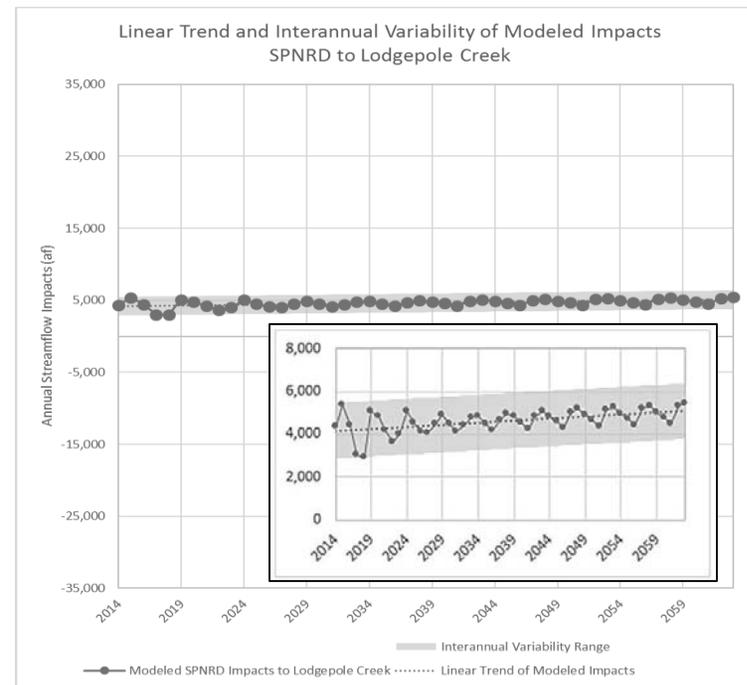


Figure 6

Integrated Management Plan (Draft)

8. FIRST INCREMENT ACCOMPLISHMENTS

8.4 Assessment of Fully Appropriated Condition

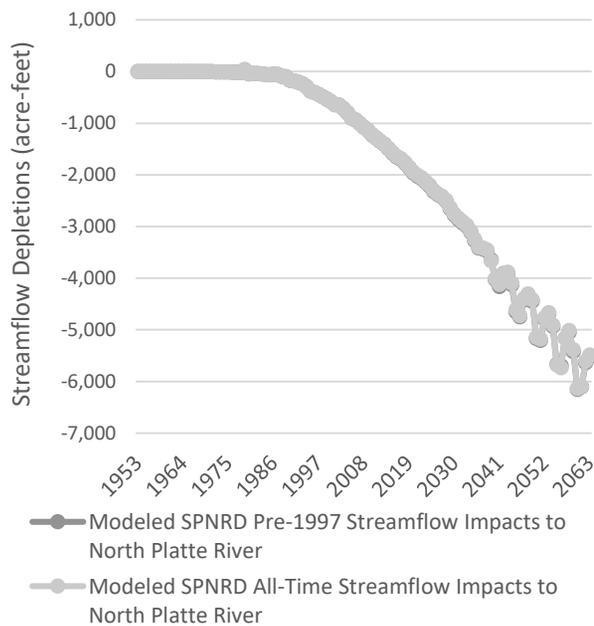


Figure 7

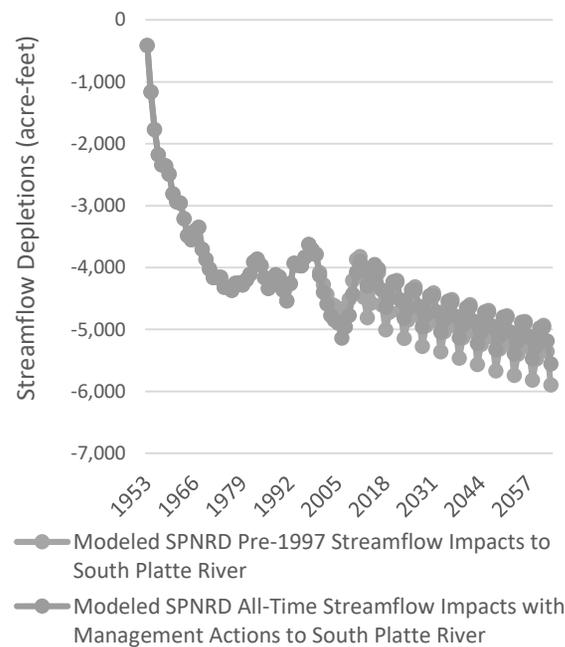


Figure 8

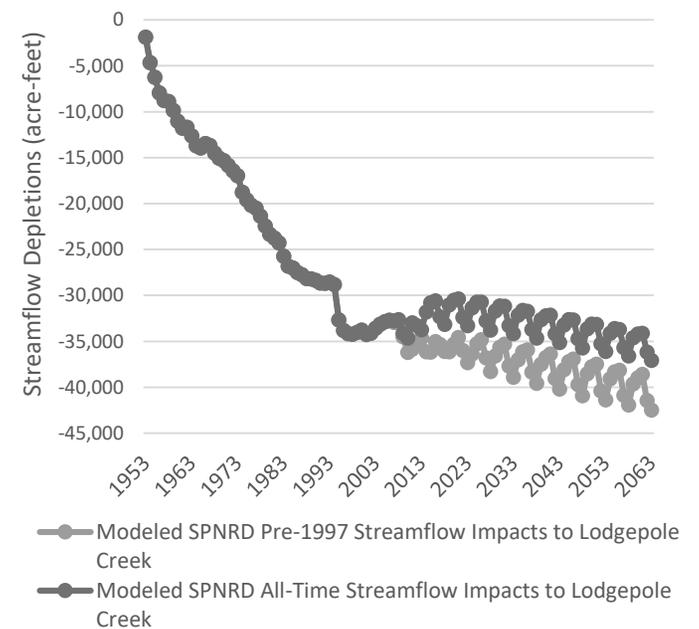


Figure 9

Integrated Management Plan (Draft)

8. FIRST INCREMENT ACCOMPLISHMENTS

8.4 Assessment of Fully Appropriated Condition

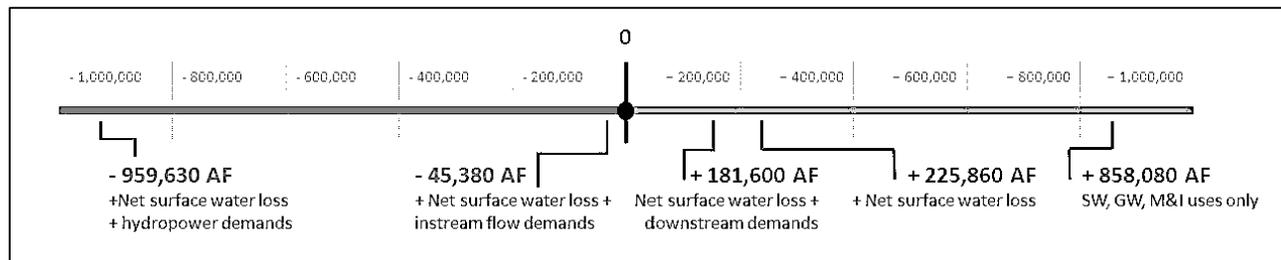


Figure 10

8.5 Basin-Wide Coordination in the First Increment

Integrated Management Plan (Draft)

Goal 1: Reach and Maintain a Fully Appropriated Condition

To incrementally achieve and sustain a fully appropriated condition while maintaining economic viability, social and environmental health, safety, and welfare of the basin.

Objective 1.1 Within this increment of this IMP, implement measures to address impacts of streamflow depletions to surface water appropriations and water wells constructed in aquifers dependent upon recharge from streamflow to the extent those depletions are due to water use initiated after July 1, 1997.

Objective 1.2 Maintain previous increment mitigation progress

| SPNRD Short Term Trend Accretions to Maintain | | | |
|---|--------------------|-----------------|--------------------|
| Year | South Platte River | Lodgepole Creek | North Platte River |
| 2019 | 200 | 4,300 | 0 |
| 2020 | 200 | 4,300 | 0 |
| 2021 | 200 | 4,300 | 0 |
| 2022 | 200 | 4,300 | 0 |
| 2023 | 200 | 4,300 | 0 |
| 2024 | 200 | 4,400 | 0 |
| 2025 | 200 | 4,400 | 0 |
| 2026 | 200 | 4,400 | 0 |
| 2027 | 200 | 4,400 | 0 |
| 2028 | 200 | 4,400 | 0 |
| 2029 | 200 | 4,500 | 0 |

| SPNRD Long Term Trend Accretions | | | |
|----------------------------------|--------------------|-----------------|--------------------|
| Year | South Platte River | Lodgepole Creek | North Platte River |
| 2059 - 2063 Average | 100 | 5,000 | 0 |

Integrated Management Plan (Draft)

Goal 1: Reach and Maintain a Fully Appropriated Condition

To incrementally achieve and sustain a fully appropriated condition while maintaining economic viability, social and environmental health, safety, and welfare of the basin.

Objectives:

Objective 1.3 Make progress toward a fully appropriated condition.

Objective 1.4 Review the implementation of this IMP to ensure that the IMP provisions are adequate to sustain progress toward and/or maintain a fully appropriated condition.

Objective 1.5 Once a fully appropriated condition is achieved, maintain such condition through the implementation of the IMP.

Integrated Management Plan (Draft)

Goal 2: Interstate Compliance

Prevent or mitigate human-induced reductions in the flow of a river or stream and ensure that no act or omission of the SPNRD would cause noncompliance by Nebraska with any interstate decree, compact, or other formal state contract or agreement pertaining to any ground water or surface water use or supplies.

Objective 2.1 To ensure that no act or omission of the SPNRD would cause noncompliance by Nebraska with the NNDP included within PRRIP, for as long as PRRIP exists.

Objective 2.2 Ensure that the groundwater and surface water controls adopted in the individual NRD IMPs are sufficient to ensure that the state will remain in compliance with the Nebraska New Depletion Plan.

Objective 2.3 Collectively, as defined in the Nebraska New Depletion Plan, offset the new depletions caused by new uses within the Platte River Basin NRDs.

Objective 2.4 Ensure that for post-1997 new or expanded uses, including irrigation, municipal, industrial, rural domestic and other new water related activities are assessed and offset for compliance with the NNDP. This assessment will be part of the Robust Review, explained in chapter 10.7.3 of this plan.

Integrated Management Plan (Draft)

Goal 3: Consistency and Updates

Keep the IMP current, maintain consistency with the Basin-Wide Plan, and keep water users informed.

Objective 3.1 Amend this IMP as needed to remain consistent with the Basin-Wide Plan.

Objective 3.2 Participate in basin-wide planning activities.

Objective 3.3 Improve information sharing with interested parties.

Objective 3.4 Conduct planning for subsequent increments of the plan, as necessary.

Objective 3.5 If appropriate and necessary, follow the dispute resolution process in the Basin-Wide Plan.

Integrated Management Plan (Draft)

10. ACTION ITEMS

10.1 Information and Education Programs

10.2 Incentive Programs

10.3 Water Banking

10.4 Conjunctive Management

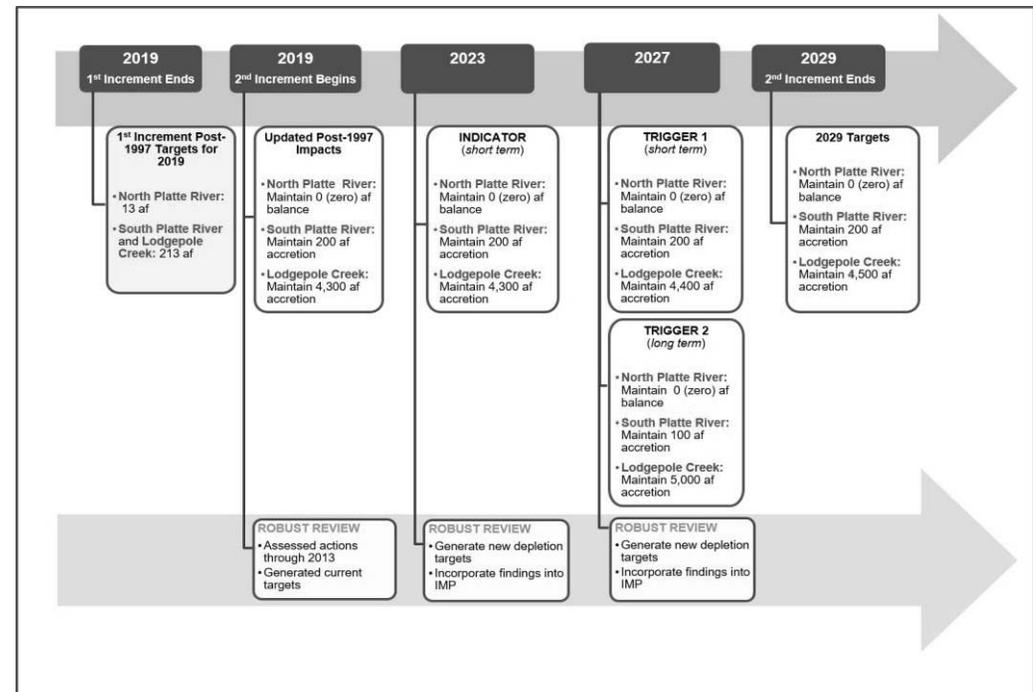
10.5 Drought Plan

10.6 Regulatory Action Items (Controls)

10.6.1 Ground Water Regulatory Action Items

10.6.2 Triggers

10.6.3 Surface Water Regulatory Action Items



Integrated Management Plan (Draft)

10. ACTION ITEMS (continued)

10.7 Monitoring

10.7.1 Data and Tracking of Water Use Activities

10.7.3 Evaluation: Measuring the Success of Meeting the Goals and Objectives of this IMP

10.8 Studies for Current Increment

10.9 Review of and Modifications to the IMP



NEXT STEPS



PUBLIC COMMENT

Thank you

