



# NPNRD IMP

## Meeting 4

February 28, 2019

# TODAY'S AGENDA

- Welcome
- Administration
  - November meeting recap
- Draft Integrated Management Plan (IMP)
- Next Steps
- Public Comment

# WELCOME

- Open meeting notice
- Safety & logistics
- Introductions



# ADMINISTRATION

## November meeting recap

# November Meeting Recap

- Welcome
- Administration
  - August meeting recap
- Draft Basin-Wide Plan
  - Goals and Objectives
  - Drought Planning
- Total Depletions
- Surface Water Law (Provisions for Upstream Use)
- Conjunctive Management
  - Pivot Conversion on Surface-Water Acres



# REVIEW OF DRAFT IMP

# Integrated Management Plan (Draft)

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

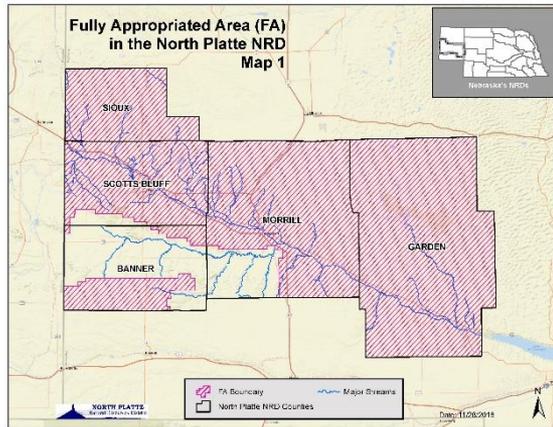


Figure 1: FA

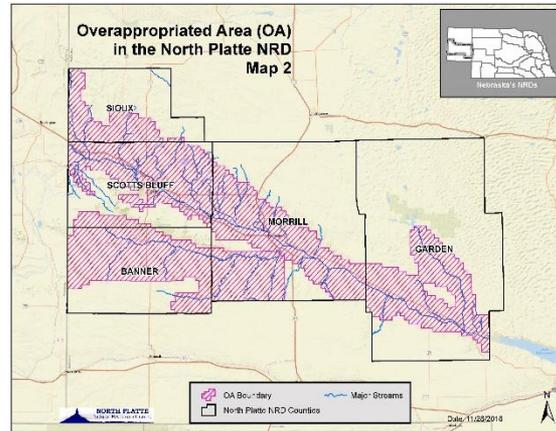


Figure 1: OA

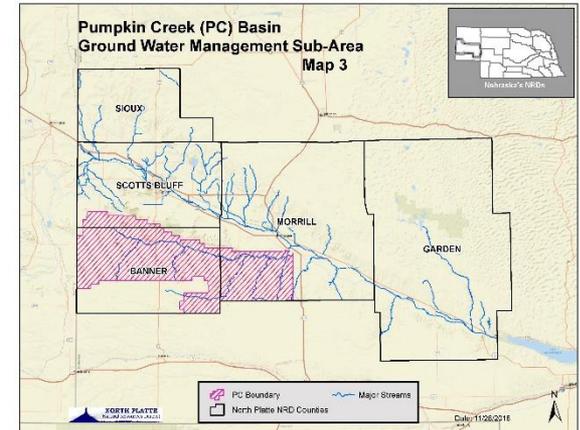


Figure 1:  
Pumpkin Creek Ground Water Management

# Integrated Management Plan (Draft)

## 5. VISION STATEMENT

The joint goals of NPNRD and NeDNR are to (1) manage water resources in the NPNRD in a manner to balance water use and water supply while optimizing economic, social, and environmental benefits for the near and long term; (2) protect to the extent possible existing users, local economy, environmental health, and recreational uses; (3) manage total water supply in the NPNRD to achieve sustainability of supply and use while allowing for growth and changes in use, and (4) recognize there are multiple causes of streamflow depletion and to the extent possible distribute mitigation responsibilities appropriately.

To do this, NPNRD and NeDNR will provide educational programs related to integrated water management for the NPNRD, provide opportunities for water banking and transfers, and explore new sources of water and currently used water for offsets, such as unappropriated river flows and transfers of existing water appropriations or certified ground water uses.

# Integrated Management Plan (Draft)

## 6. FUNDING

## 7. SCIENCE AND METHODS

7.1 Best Available Science, Methods, Data, and Tools 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)

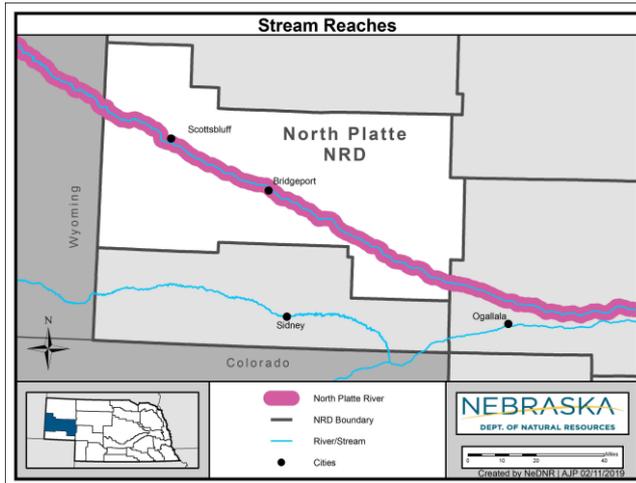


Figure 4

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

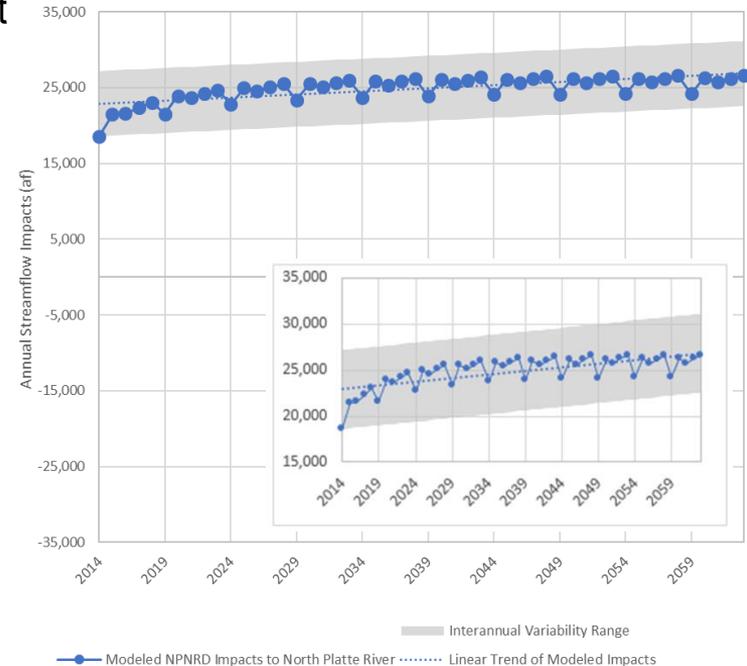
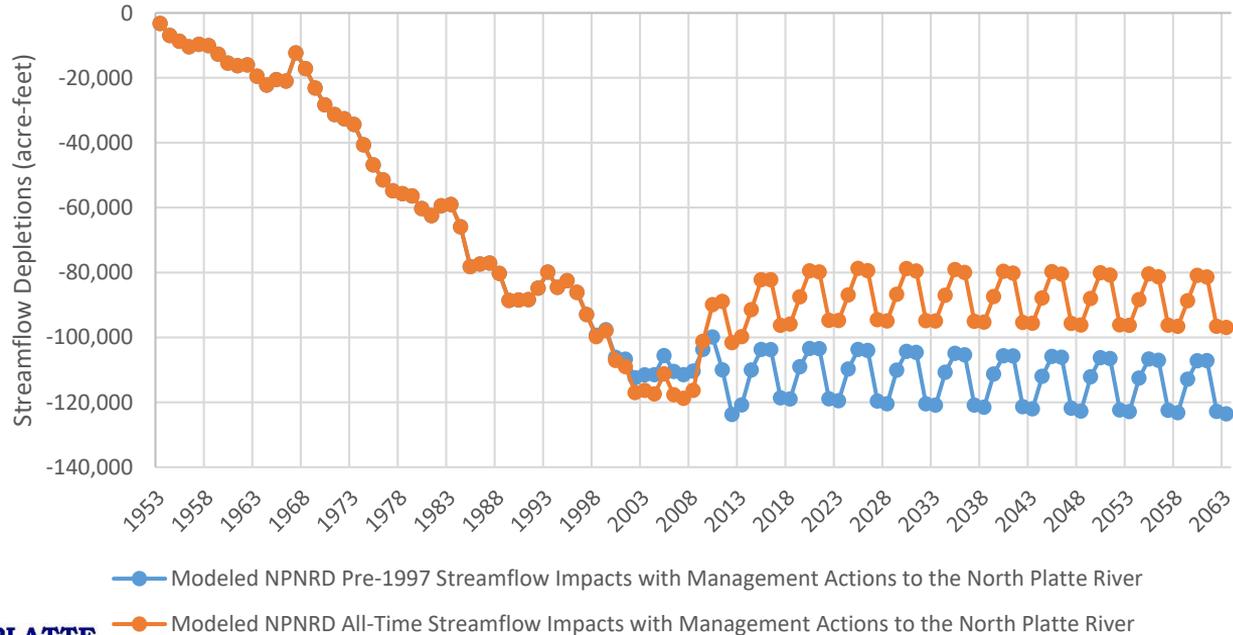


Figure 5

# Integrated Management Plan (Draft)

## 8. FIRST INCREMENT ACCOMPLISHMENTS

### 8.4 Assessment of Fully Appropriated Condition



**Modeled NPNRD post-1997 impacts to the North Platte River.**

# Integrated Management Plan (Draft)

## 8. FIRST INCREMENT ACCOMPLISHMENTS

### 8.4 Assessment of Fully Appropriated Condition

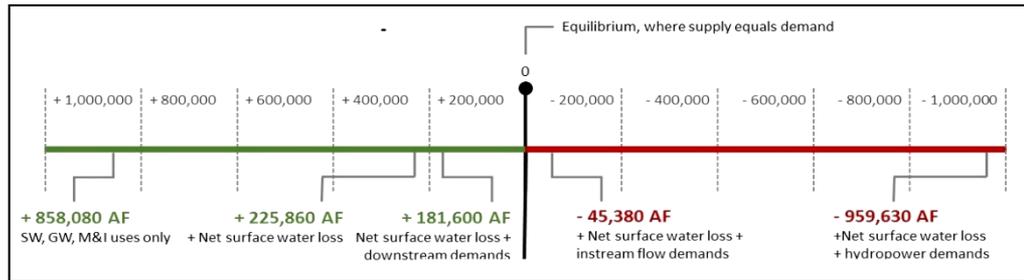


Figure 6

# Integrated Management Plan (Draft)

8. FIRST INCREMENT ACCOMPLISHMENTS
  - 8.5 Basin-wide Coordination in the First Increment

# Integrated Management Plan (Draft)

## 9. Goal 1: Reach and Maintain a Fully Appropriated Condition

**Objective 1.1** Within the current 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.

NPNRD Short Term Trend Line Accretion in Acre-Feet Target to Maintain	
Year	North Platte River
2019	23,300
2020	23,400
2021	23,500
2022	23,500
2023	23,600
2024	23,700
2025	23,800
2026	23,900
2027	23,900
2028	24,000
2029	24,100

NPNRD Long Term Trend Accretions in Acre-Feet	
Year	North Platte River
2059-2063 average	26,700

# Integrated Management Plan (Draft)

## 9. Goal 1: Reach and Maintain a Fully Appropriated Condition

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)

## 9. Goal 2: Interstate Compliance

- Objective 2.1** Prevent human-induced streamflow depletions and ensure that no act or omission of the NPNRD 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 NNDP.
- Objective 2.3** Collectively, as defined in the NNDP, 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 Section 10.7.3 of this IMP.

# Integrated Management Plan (Draft)

## 9. Goal 3: Consistency and Updates

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

# Integrated Management Plan (Draft)

## 10. ACTION ITEMS (continued)

### 10.6 Regulatory Action Items (Controls)

#### 10.6.1 Ground Water Regulatory Action Items (Controls)

#### 10.6.2 Triggers

#### 10.6.3 Surface Water Regulatory Actions

### 10.7 Monitoring

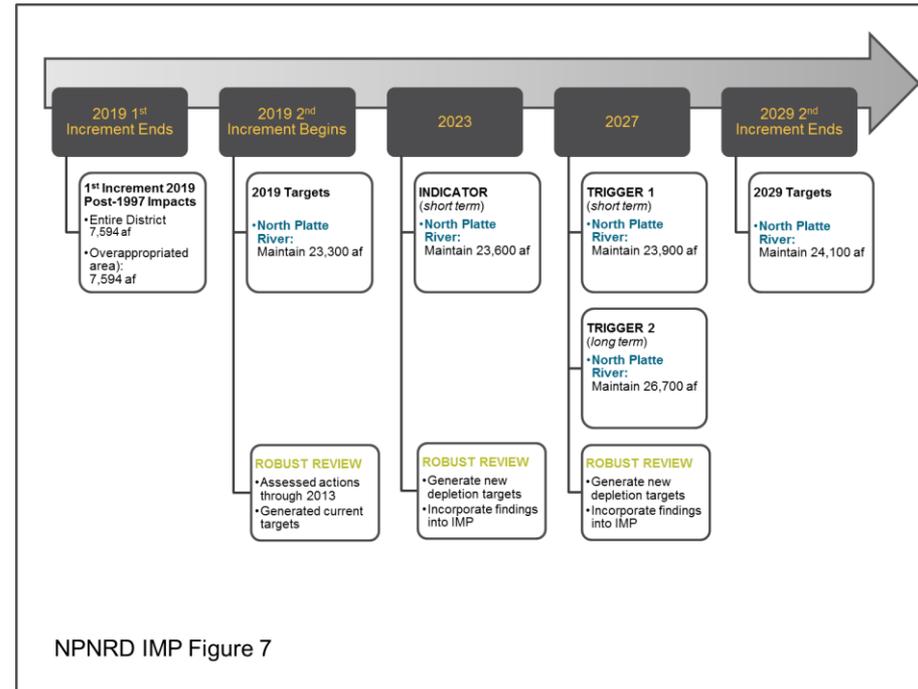
#### 10.7.1 Data and Tracking of Water Use Activities

#### 10.7.2 Reporting

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

### 10.8 Studies

### 10.9 Review of and Modifications to the IMP





# NEXT STEPS

# Draft Timeline

- **June 13, 2019** - NPNRD board vote on taking IMP to public hearing
- **July 18, 2019** - Public hearing for Basin-Wide Plan and NPNRD IMP
- **August 8, 2019** - NPNRD board vote on final approval of Basin-Wide Plan and IMP



# PUBLIC COMMENT

Thank You