



TWIN PLATTE IMP

Meeting 1

Today's Agenda

- I. Welcome
- II. Why are we here?
- III. How did we get here?
- IV. What has been done?
- V. What is the process for my district?

Welcome

- Open Meeting Notice
- Safety & Logistics
- Introductions



WHY ARE WE HERE?

Process Summary

Process Summary

Upper Platte Basin-Wide Planning

Statutory Authority

(How did we get here?)

Current Basin-Wide Plan

(What has been done?)

Basin-Wide Plan & IMPs

Integrated Water Management

IMPLEMENTATION

Water Management Projects

Strategic Planning Actions

PLANNING AND PUBLIC PARTICIPATION

Goals and Objectives for Water Planning

Stakeholder Involvement

Water Availability and Water Shortages

Water Supplies and Water Uses

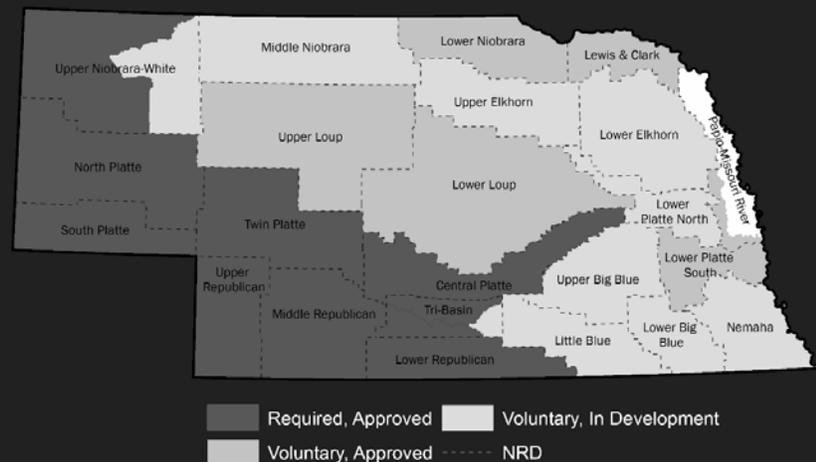
SCIENCE

Hydrologic Models, Data, and Analyses

Integrated Management Planning is a Collaborative Process

- NeDNR + a Natural Resources District (NRD)
 - IMP development
 - Plan implementation

- Stakeholder Collaboration (seeking agreement)



Stakeholder Roles

- Convey local water issues/concerns
- Guide development of goals and objectives
- Disseminate information to local groups about IMP
- Attend meetings



NRD/Department Roles

- Acquire/disseminate information/data needed for stakeholder process
- Help formulate goals and objectives with stakeholders
- Coordinate with each other, stakeholders, facilitators throughout IMP process
- Help determine/convey feasible actions for plan implementation
- Write the Integrated Water Management Plan





HOW DID WE GET HERE?

Statutory authority

Platte Overappropriated Area Basin-Wide Plan LB 962

- New Nebraska State Law
 - Legislative Bill 962 passed in 2004
- Groundwater Management and Protection Act



Platte Overappropriated Area Basin-Wide Plan Statutory Definition, § 46-713(4)(a)

Why?

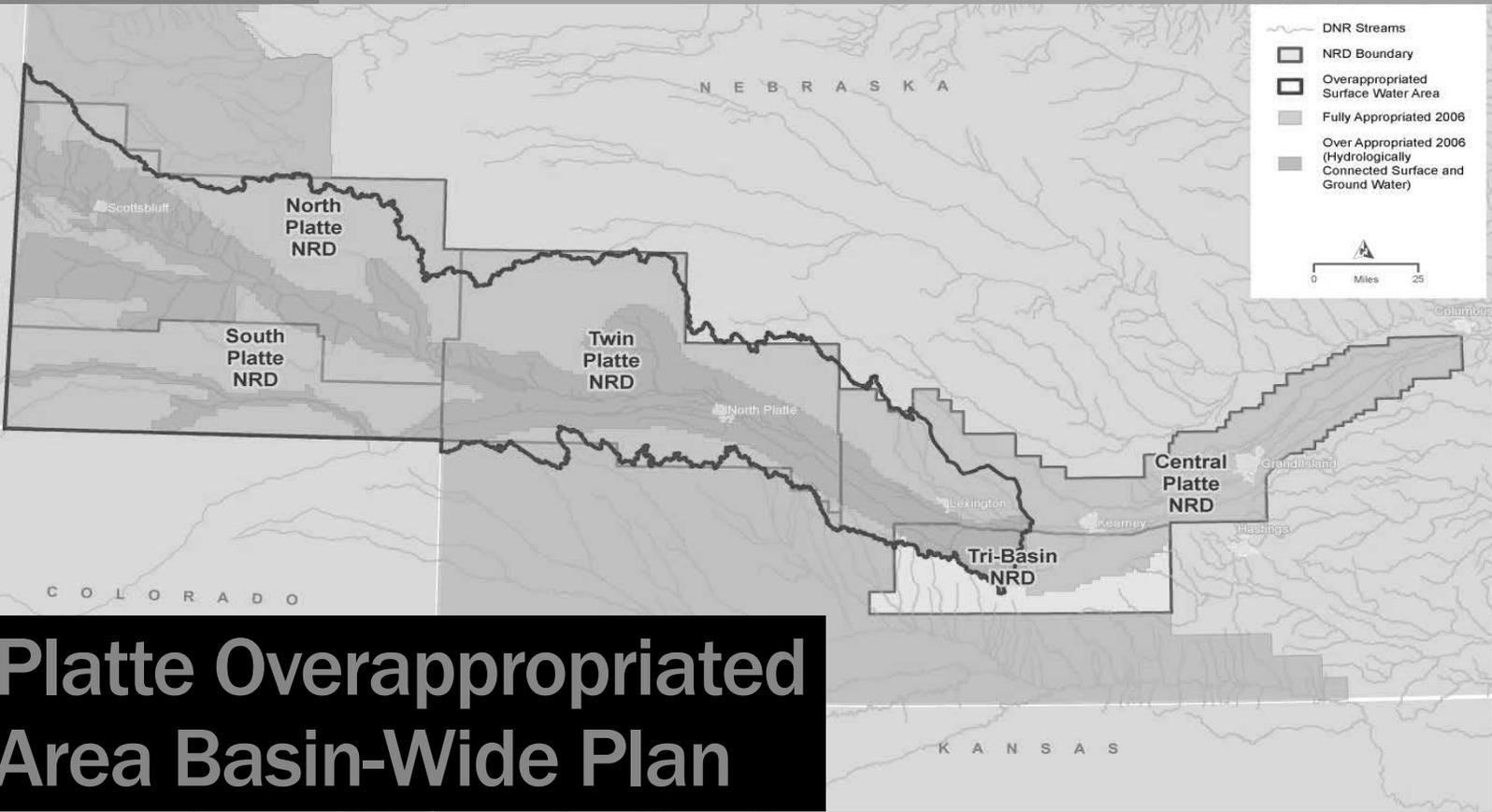
- Criteria for an overappropriated basin designation
 - Interstate agreement
 - Moratorium on surface water appropriations
 - Stays on well construction

When?

- Designated in September 2004

Where?

- Above Kearney Canal diversion

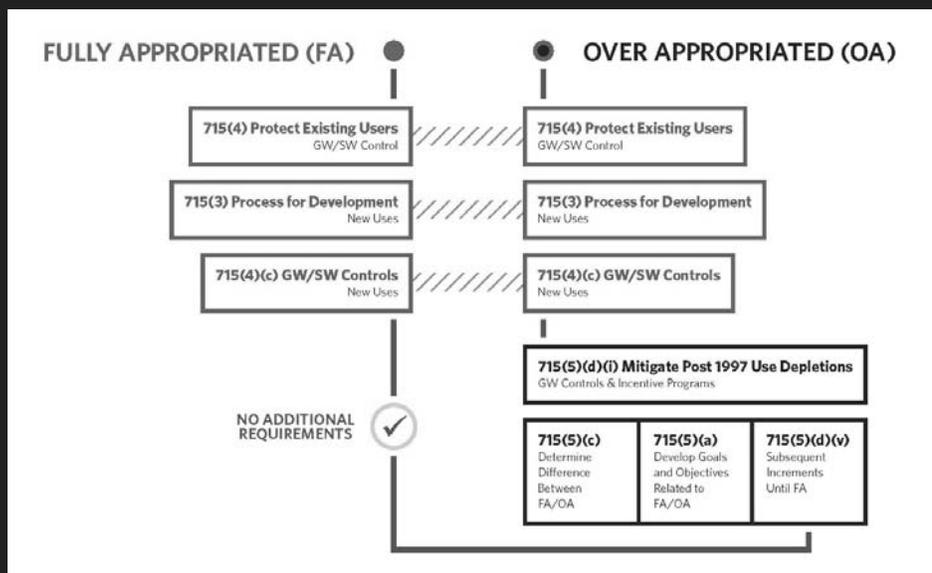


Platte Overappropriated Area Basin-Wide Plan

Platte Overappropriated Area Basin-Wide Plan Statutory Requirements, § 46-713(2)(a)

The plan shall include **clear goals and objectives** with a purpose of sustaining a **balance** between water uses and water supplies so that the **economic** viability, **social** and **environmental** health, safety, and welfare of the basin can be achieved and maintained for both the **near term** and the **long term**.

Statute § 46-715 interpretation



Basin-wide Plan / Integrated Management Plan

- Statute calls for a Basin-wide Plan (BWP) and individual Integrated Management Plans (IMP) in NRDs that have overappropriated area
- BWP is for the area designated as overappropriated
- IMP encompasses both overappropriated and fully appropriated areas
- Both BWP and IMPs must be adopted and take effect by September 2019
- 2nd increment Basin-wide Plan process began in 2016 with Stakeholders

Basin-wide plans are similar to but different from IMPs

Basin-Wide Plan

- All basin NRDs & NeDNR
- Overappropriated Area
- Goals & objectives
 - Focused on regional, cross-boundary issues and opportunities
 - Consistency and Collaboration among basin NRDs
 - A broad framework

Integrated Management Plan

- 1 NRD & NeDNR
- Overappropriated and Fully Appropriated Areas
- Goals, objectives, & controls
 - Specific to one NRD
 - Tailored to local issues and opportunities
 - Specific targets and actions that each NRD will use to meet the goals of the Basin-Wide Plan as well as individual Integrated Management Plan goals

Platte Overappropriated Area Basin-Wide Plan

Existing Plan Example

Basin-Wide Plan

- States that the NRDs and NeDNR will establish uniform methods for calculating depletions and offsets and for conducting water banking

BWP page 4; section III.A.5

Integrated Management Plan

- Further defines that the methodology will be consistent with other NRDs and lists specific considerations when such calculations are necessary

*TPNRD IMP pages 4 and 7;
Chapter 5 paragraphs II.B.2 and
II.C.3.(c)(1)(iii) and (iv)*

Platte Overappropriated Area Basin-Wide Plan

Existing Plan Example

Basin-Wide Plan

- Identify projects to enhance water supply
 - Pursue on a basin-wide level when water shortages in one NRD affect others in the basin

BWP page 3; III.A.3

Integrated Management Plan

- Develop projects
 - Sets goals and principles for the projects
 - Process to implement projects
 - Example projects:
 - Transfer SW appropriations to instream use
 - Transfer SW appropriations or apply for new GW recharge
 - Contractual agreements between water users
 - Conjunctive management with SW projects
 - Oliver and Elm Creek Reservoirs

TPNRD IMP page 15; II.A.3 Other Programs

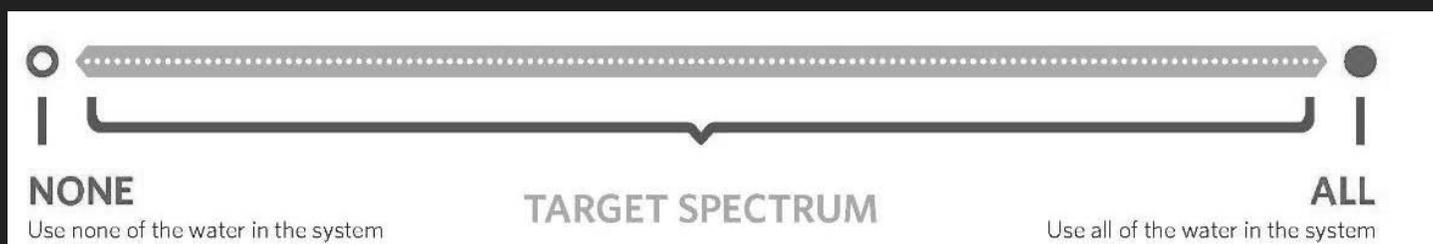
Integrated Management Planning Summary

What is it?

- Surface water and groundwater management
- Proactive
- Protects existing users
- Adaptive management
- Jointly developed between NRD and NeDNR
- Suited to local conditions



Stakeholder Charge - What are you willing to do?



First Increment

- Costs have ranged from \$10's to \$1,000's per AF

Second Increment

- Most excess flows have been committed to projects in the first increment
- Incentive programs are willing seller willing buyer
- Cost to maintain the projects that are currently in place

Overall

- Costs likely to increase



WHAT HAS BEEN DONE?

Current Plan

Integrated Management Plan

- Map of the Areas
 - Overappropriated
 - Fully Appropriated
- Incentives
- Water Banking
- Monitoring
- Studies
- Controls
 - Moratorium / Certified Acres
 - Transfers
 - Municipal and Industrial
- Post-1997 Depletion Targets (6,185 af)
 - Triggers for controls
 - Alternative crop mix
 - Reduction of acres
 - Allocation

Management Actions Taken

➤ Conjunctive Management

○ Recharge of Excess Flows

- 2011 – 2013
- Total diversion ~27,000 acre-feet.
- Total estimated recharge ~ **26,000** acre-feet.

○ N-CORPE

- ~5,600 AF



CURRENT PRELIMINARY ANALYSIS

Post-1997 Streamflow Depletions



TWIN PLATTE IMP

Process Specifics

Meeting Dates

- August 14th
- September 19th
- November 13th
- January 15, 2019



PUBLIC COMMENT