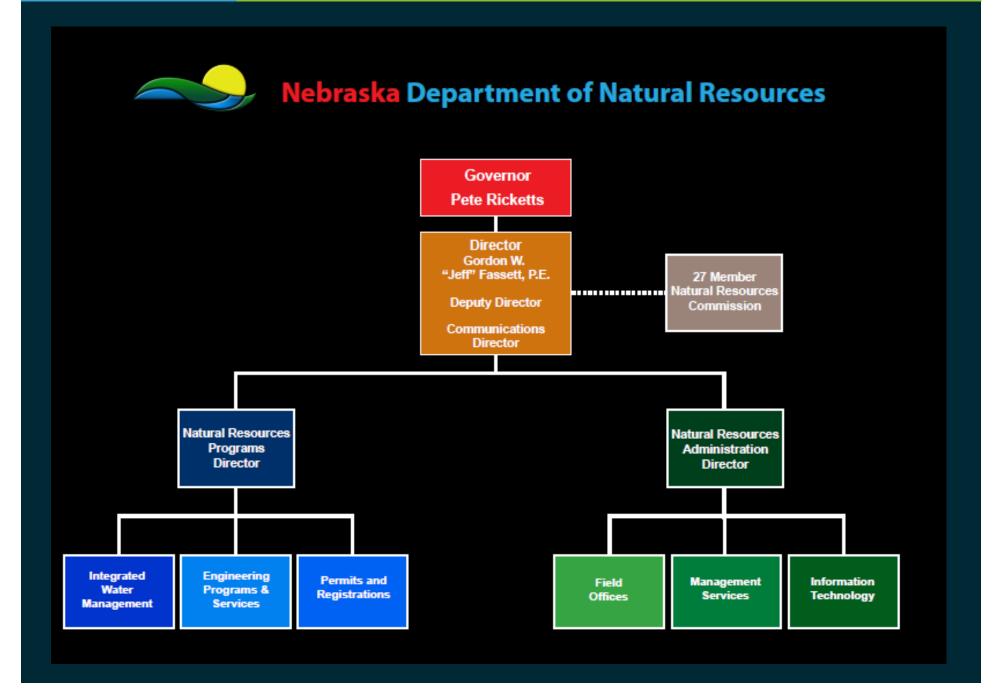


Providing the sound science and support for managing Nebraska's most precious resource.

Introduction to Voluntary Integrated Management Planning

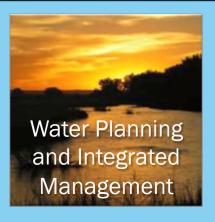
March 29, 2016

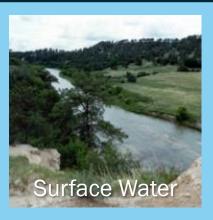
Amy Zoller, MS, Integrated Water Management Coordinator Nebraska Department of Natural Resources





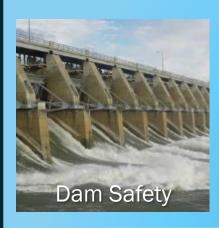
Providing the sound science and support for managing Nebraska's most precious resource.













Overview

- Overview of Integrated Water Management
- ➤ Voluntary Integrated Management Plans
- ➤ Stakeholder Roles/Process
- Department & NRD Roles
- >IMP Components/Benefits



Integrated Water Management (IWM)

LB 962 (2004)—Legally acknowledged hydrologically connected ground and surface waters

> Tasked the Department to evaluate basins to determine fully

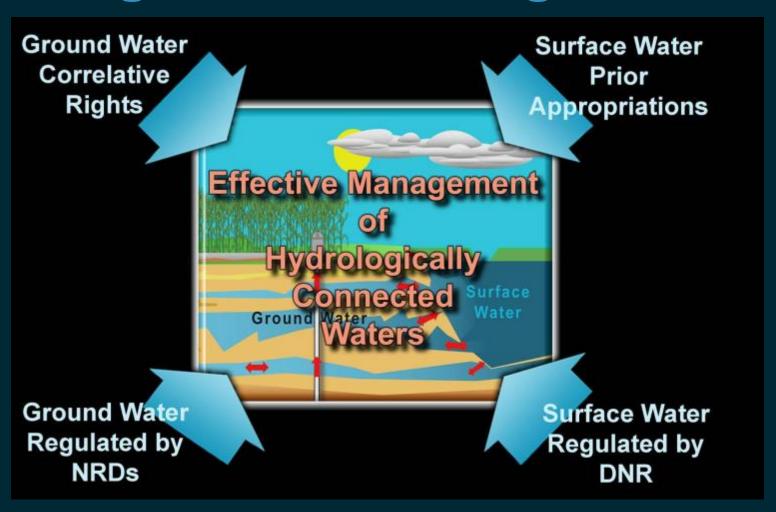
appropriated status

Established framework for joint Department and NRD integrated management planning



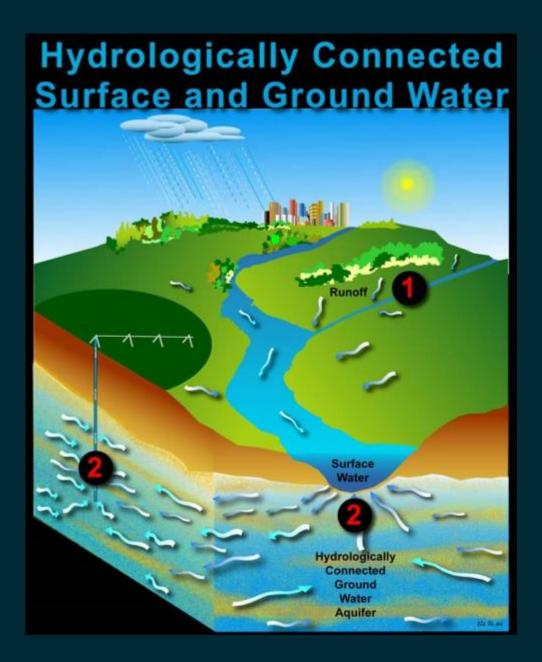


Integrated Water Management





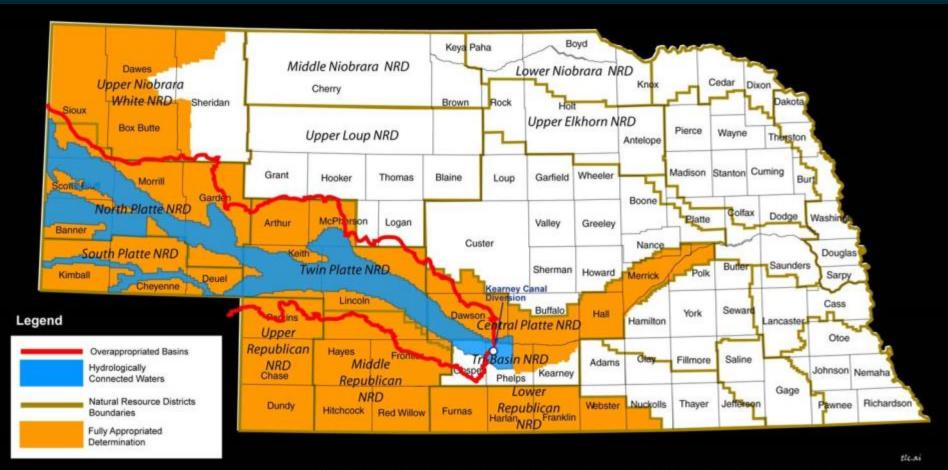
Integrated
Water
Management





Integrated Water Management (IWM)

LB 962-Integrated Management Plans in Fully Appropriated Basins



Voluntary Integrated water Management Plans (V-IMPs)

- LB 764 (2010)-inclusion of voluntary IMP process
 - NRDs may jointly develop an IMP with the Department
 - Same process as a fully appropriated IMP
 - The area of the IMP can be the hydrologically connected area or the whole NRD



Status of IMPs in Nebraska

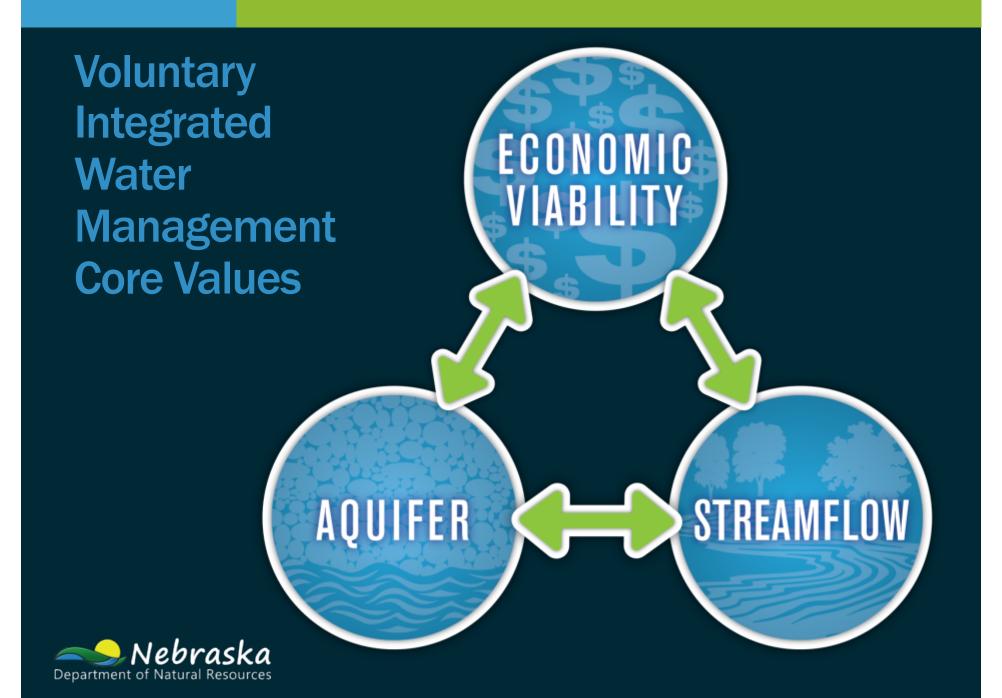


Voluntary Integrated Water Management

- Voluntary IMP objective
 - ➤ Achieve and sustain a balance between water uses and water supplies for the long term
- Protect existing water uses
- Proactive approach
- Eligible for water sustainability fund







Stakeholder Process

- ➤ Consulted with in development of IMP goals and objectives
 - Neb. Rev. Stat. 46-717(2): During preparation of an IMP, the Department and NRDs shall consult with any irrigation district, reclamation district, public power and irrigation district, mutual irrigation

company, canal company, or municipality that relies on water from the affected river basin, ...and with other water users and stakeholders as deemed appropriate by the NRD....





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



Voluntary Integrated Management Plan Components

- ➤Introduction and background
- ➤ Geographic area of plan
- ➤ Goals and Objectives Action items
 - Regulatory (controls)
 - Non-regulatory
- ➤ Monitoring Plan
- > Funding Options/Incentive Programs
- ➤ Review and modification plan





Voluntary Integrated Management Plan Components

➤ IMPs must contain at least one GW and one SW control appropriate to achieve goals and objectives

GW controls authorized by § 46-739

- Limit GW expansion
- Transfers
- Municipal/Industrial Tracking
- Well-spacing
- Meters
- Educational requirements
- Certified Acres
- Allocations
- Rotations
- Acres Reduction

SW controls authorized by § 46-716

- Increased Monitoring
- Variance/Transfers
- Conservation Measures
- Moratoriums



The Department's IMP Goals

- ➤ Build a foundation of data and tools so water use/ supply is more effectively managed
- ➤ Identify opportunities to better adapt to changing conditions
- Listen to local inputs to increase understanding of future water uses/needs
- ➤ Build relationships with local NRDs and its constituents



Voluntary Integrated Management Planning Benefits

- Better planning to prevent fully appropriated status
- Proactive approach to water management
- Local buy in leads to more effective water management
- Eligibility for the Water Sustainability fund
- Multi-faceted education process





Links

- ➤ Approved IMPs
 - <u>http://www.dnr.ne.gov/iwm/approved-plans</u> (Lower Platte South, Lower Niobrara, Papio are Voluntary IMPs)
- ➤ INSIGHT web tool
 - http://www.dnr.ne.gov/insight/
- ➤ Nebraska revised statutes
 - o https://nebraskalegislature.gov/laws/browse-statutes.php
 - 46-715 to 46-718 relevant to voluntary IMP





Providing the sound science and support for managing Nebraska's most precious resource.

THANK YOU

Amy L. Zoller, MS, Integrated Water Management Coordinator amy.zoller@nebraska.gov

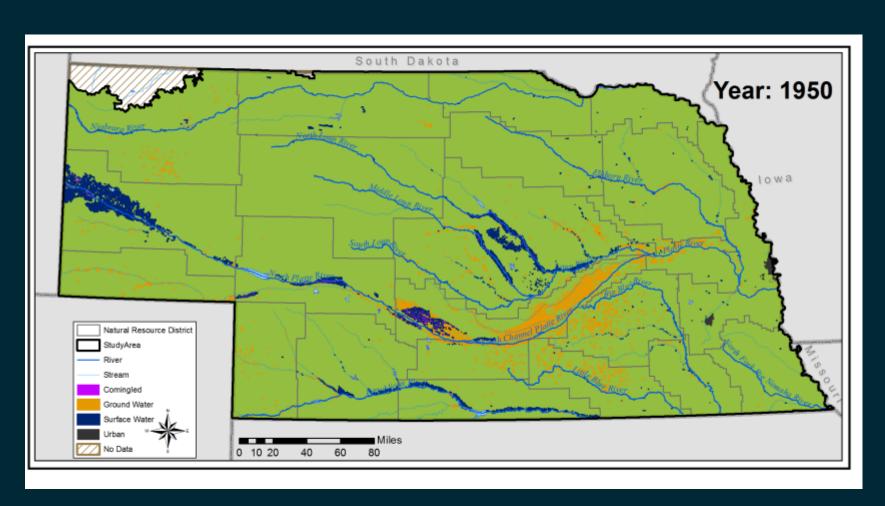
Nebraska Department of Natural Resources 402-471-2363 dnr.nebraska.gov

Voluntary IMP Example Timeline

- NRD contacts Department to initiate process
 NRD/Department planning of process (6 months)
- Consultation with stakeholders (12 months)
- NRD/Department draft IMP (6 months)
- Public hearing process, consider testimony, finalize IMP (3 months)
- Publish orders and adopt IMP (1 month)

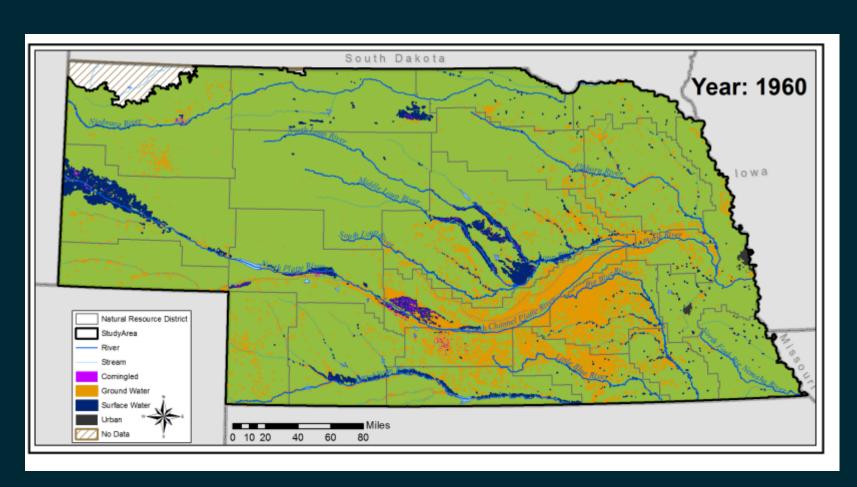


Irrigation Development in Nebraska



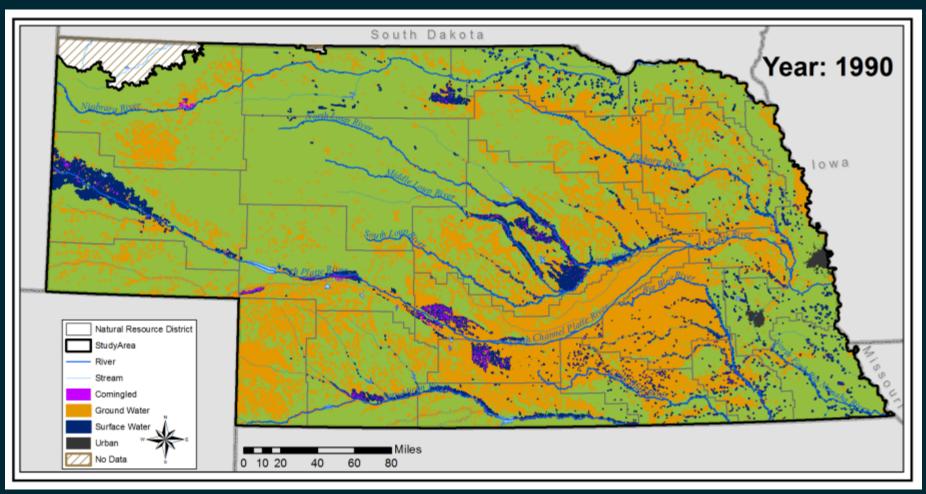


Irrigation Development in Nebraska



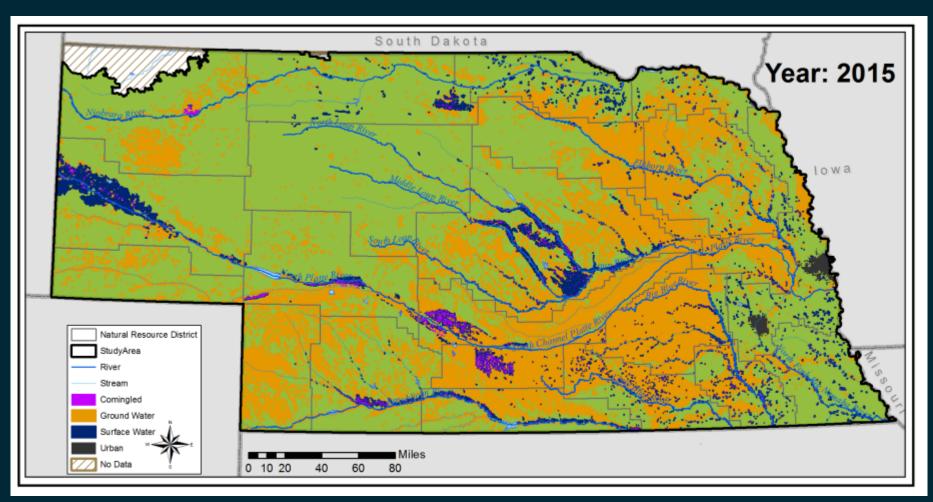


Land Use Development





Land Use Development





INSIGHT Water Balance for Blue Basin

