

**25<sup>TH</sup> ANNUAL  
LAND USE CONFERENCE  
ALTERNATIVES TO “BUY & DRY”**

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**Brad Wind, Deputy Manager, Operations  
March 10-11, 2016**



# Northern Water

- Mission
  - Water resources management
  - Project operations
  - Conservation services
- Priorities
  - Deliver water
  - Conserve, protect supplies
  - Plan for future supplies



# Colorado-Big Thompson Project

- Supplemental water supply
- 1.6 million acres in 8 counties
  - 640,000 irrigated acres
  - 895,000 residents
- Average deliveries = 215,000 AF/year



## West Slope Collection System



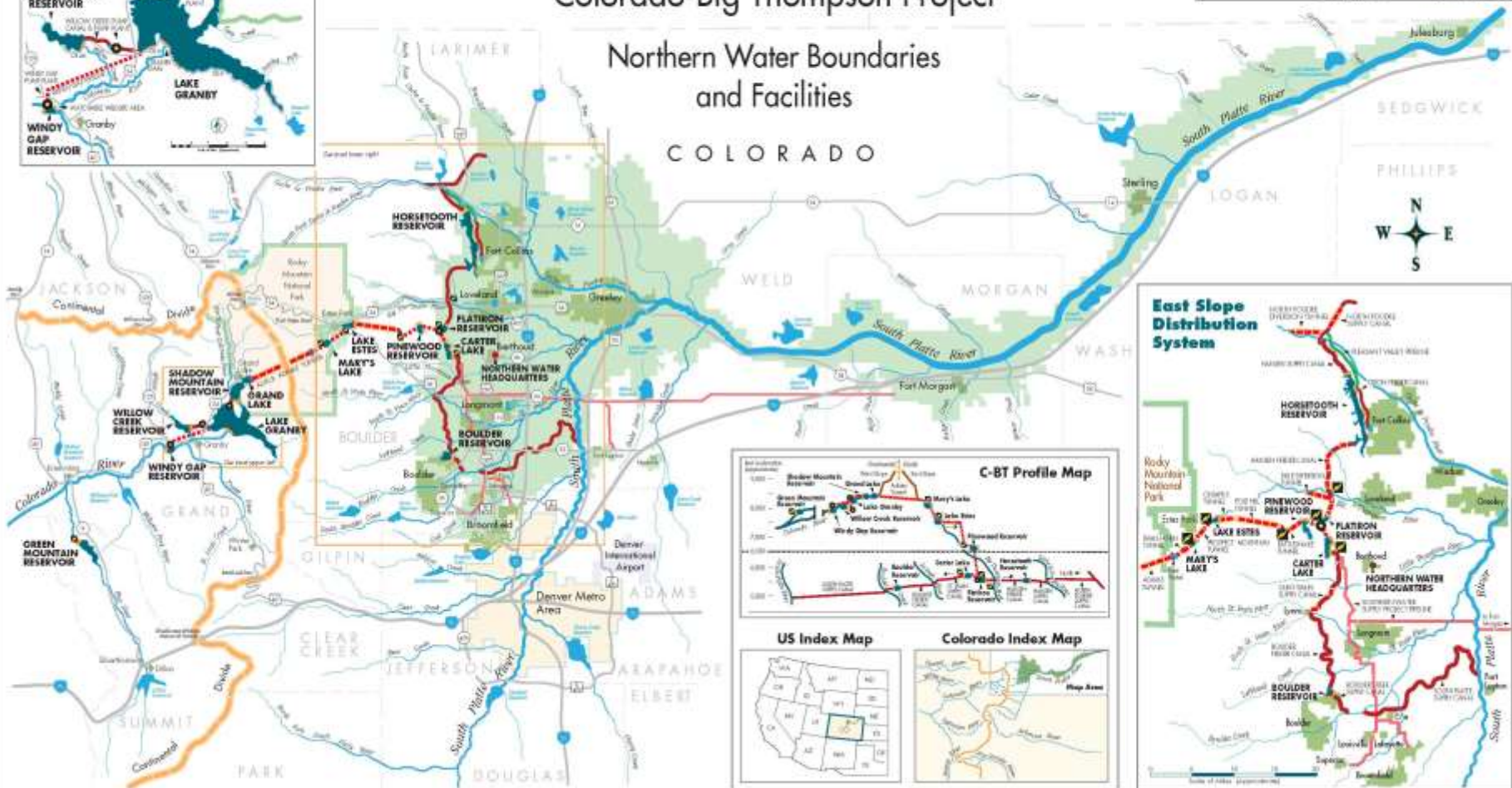
# Northern Water

## Colorado-Big Thompson Project



## Northern Water Boundaries and Facilities

COLORADO



## East Slope Distribution System



# C-BT Ownership & Deliveries

## Water Year 1957

- District population
  - 150,000
- Ownership
  - Ag: 85%
  - M&I: 15%
- Deliveries
  - Ag: 97%
  - M&I: 3%

## Water Year 2015

- District population
  - 895,000
- Ownership
  - Ag: 31%
  - M&I: 69%
- Deliveries
  - Ag: 52%
  - M&I: 48%

# Northern Integrated Supply Project (NISP)

## KEY REGIONAL ELEMENTS

- ❑ Some Volume of Unappropriated Water Supply
- ❑ New Storage
- ❑ Ability to Transition Current Irrigation Supply to One of Lesser Quality
- ❑ Long Term (Perpetual?) Agreement to Maintain Some Amount of Irrigated Agriculture

# NISP Proposal
















- ❑ 40,000 AF of New In-Basin Yield
- ❑ 215,000 AF of Storage
- ❑ 10% of the 400,000 AF S. Platte that leaves the State
- ❑ \$600M Cost



# NISP Proposal



# NISP Proposal

- |   |  |  |    |   |   |
|---|--|--|----|---|---|
| 1 |    | <b>Fort Collins Loveland Water District</b> (3,000 AF) | 9  |    | <b>Morgan County Quality Water</b> (1,300 AF) |
| 2 |    | <b>Windsor</b> (3,300 AF)                              | 10 |    | <b>Eaton</b> (1,300 AF)                       |
| 3 |    | <b>Left Hand Water District</b> (4,900 AF)             | 11 |    | <b>Severance</b> (1,300 AF)                   |
| 4 |    | <b>Erie</b> (6,500 AF)                                 | 12 |    | <b>Lafayette</b> (1,800 AF)                   |
| 5 |    | <b>Evans</b> (1,600 AF)                                | 13 |    | <b>Firestone</b> (1,300 AF)                   |
| 6 |    | <b>Central Weld County Water District</b> (3,500 AF)   | 14 |    | <b>Frederick</b> (2,600 AF)                   |
| 7 |  | <b>Fort Lupton</b> (3,000 AF)                          | 15 |  | <b>Dacono</b> (1,000 AF)                      |
| 8 |  | <b>Fort Morgan</b> (3,600 AF)                          |    |   |   |

## Glade Reservoir

170,000 Acre feet

U.S. Highway 287  
Realignment

Poudre Valley Canal

Wellington

Glade/Horsetooth  
Pipeline

Horsetooth  
Reservoir

Fort Collins

Larimer & Weld Canal

Windsor

New Cache Canal

Cache la Poudre River

Loveland

Big Thompson River

Greeley

South Platte River



## Galeton Reservoir

45,000 Acre feet

Ault

South Platte Water  
Conservation Project

SPWCP  
Pipeline

85

14

14

85

287

25

34

34

# Proposed Glade Reservoir Location



# Where We've Been

- 2004 - Started EIS Process
- 2008 - DEIS released
- 2009 – Corps Determines SDEIS Necessary
- 2015 – June SDEIS released
- July Public Hearings – Fort Collins/Greeley
- Cost of EIS To Date: \$17M
  - \$11M on SDEIS

# Additional permitting

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- Colorado Fish and Wildlife Mitigation Plan
- 401 Water Quality Certification through CDPHE

# Where We're Going

- ❑ State Fish & Wildlife Plan – 2016
- ❑ 401 Certification (Water Quality)
- ❑ FEIS in 2017
- ❑ Record of Decision in 2018?
- ❑ Preliminary Design Underway
- ❑ Glade Construction 2019?
- ❑ Glade on-line 2024
- ❑ South Platte Conservation Project (Galeton) on-line 2026

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**NISP**  
**Northern Water**  
Northern Integrated Supply Project

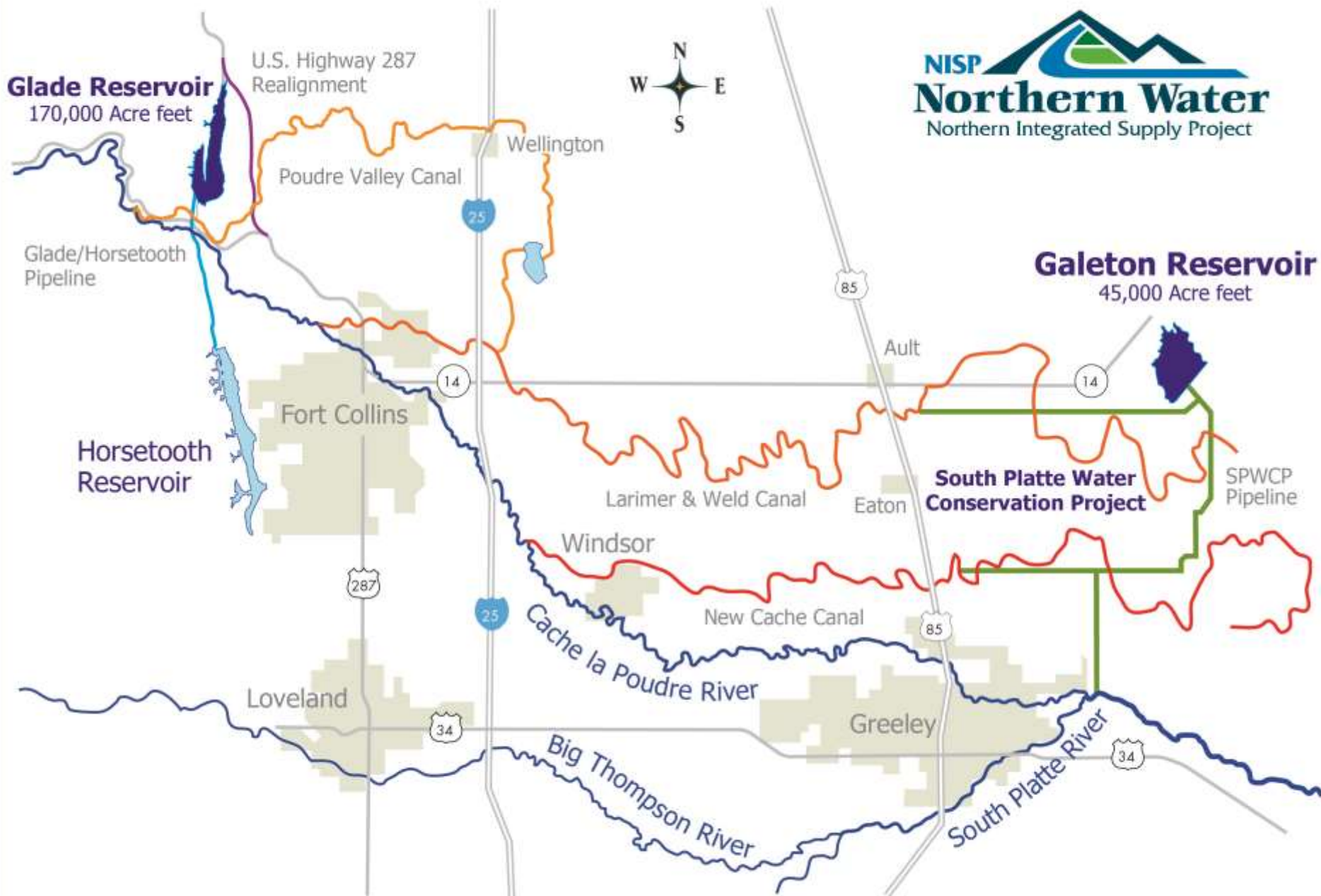
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**South Platte Water  
Conservation Project**

SPWCP  
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