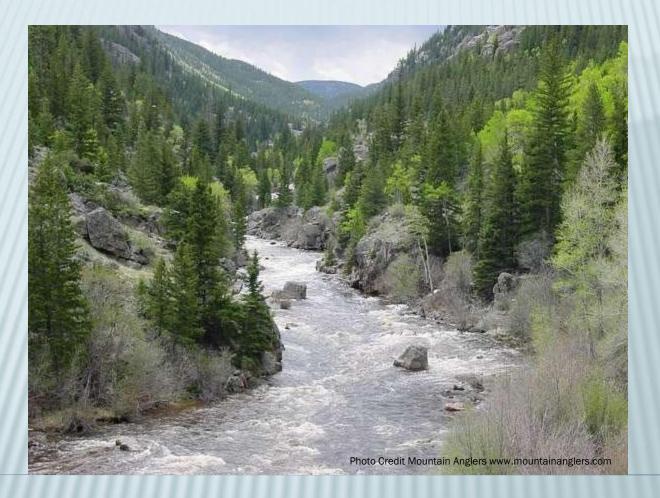
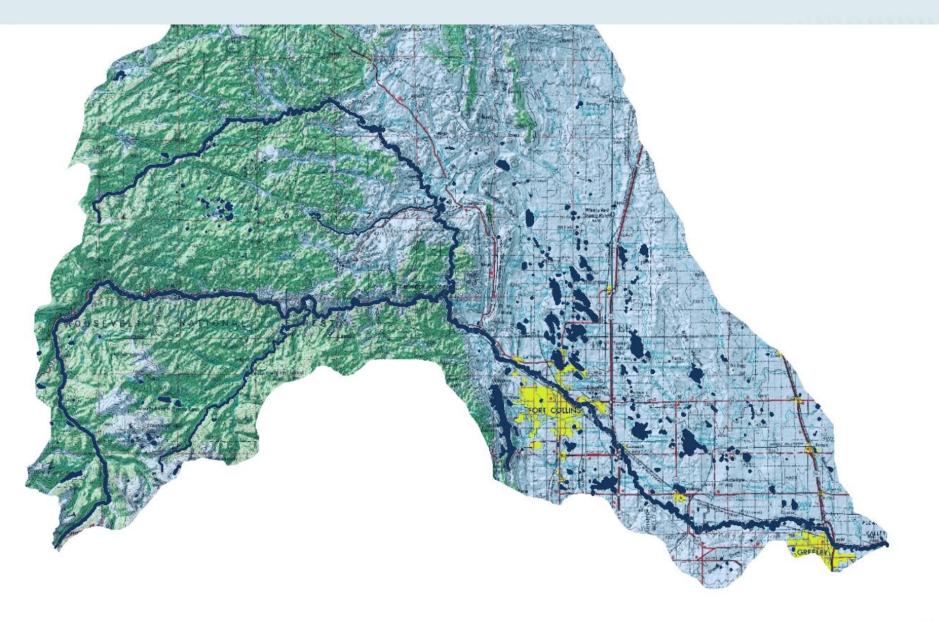
OPERATIONS ON THE CACHE LA POUDRE RIVER



FISCHER, BROWN, BARTLETT & GUNN, P.C.

BASIN OVERVIEW

- Drains nearly 2000 square miles, mostly in Larimer and Weld Counties
- Mainstem originates at Poudre Lake in Rocky Mountain National Park
- Significant Tributaries:
 North Fork
 South Fork
 Dry Creek
 - Boxelder Creek



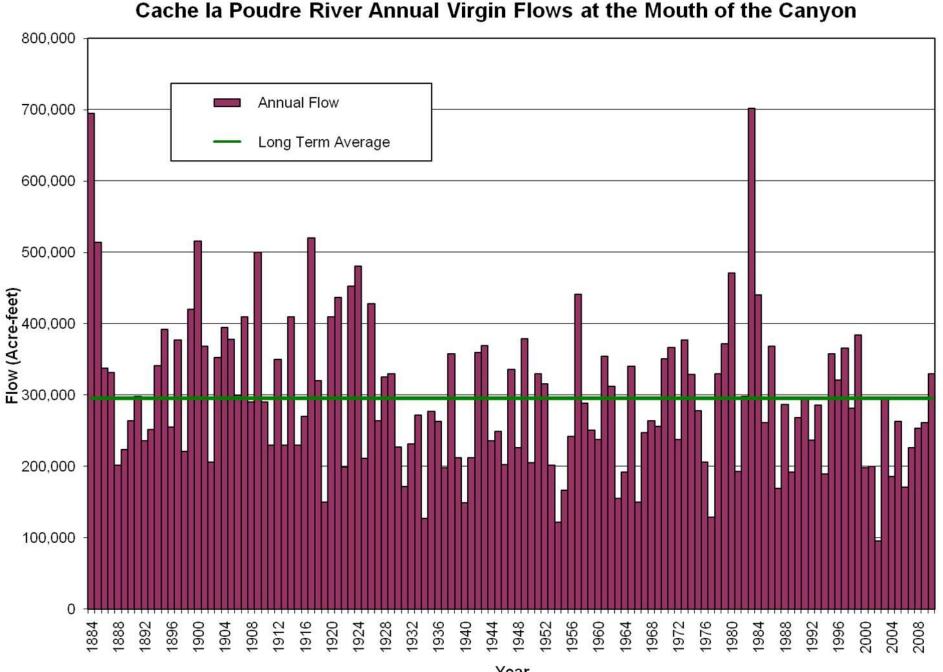


Native Flows

Average flows = 300,000 AF

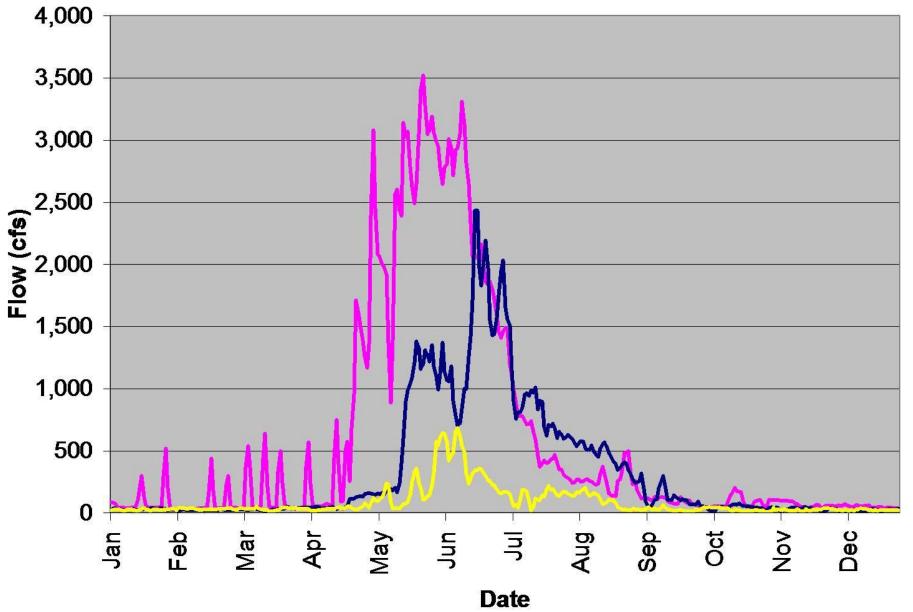
Highest flow = 700,000 AF

Lowest flow = 100,000 AF

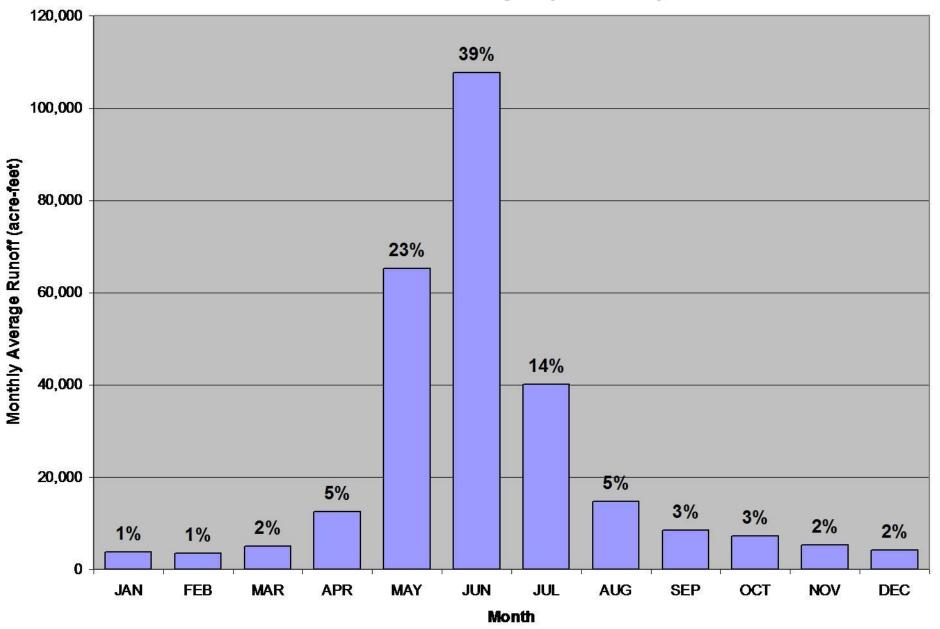


Year

Poudre River Flows



Cache la Poudre River Monthly Average Native Runoff at the Mouth of the Canyon (1950-2005)



EARLY HISTORY – Developing the Resource

Overview

■1860s – 1880s: Ditch Construction

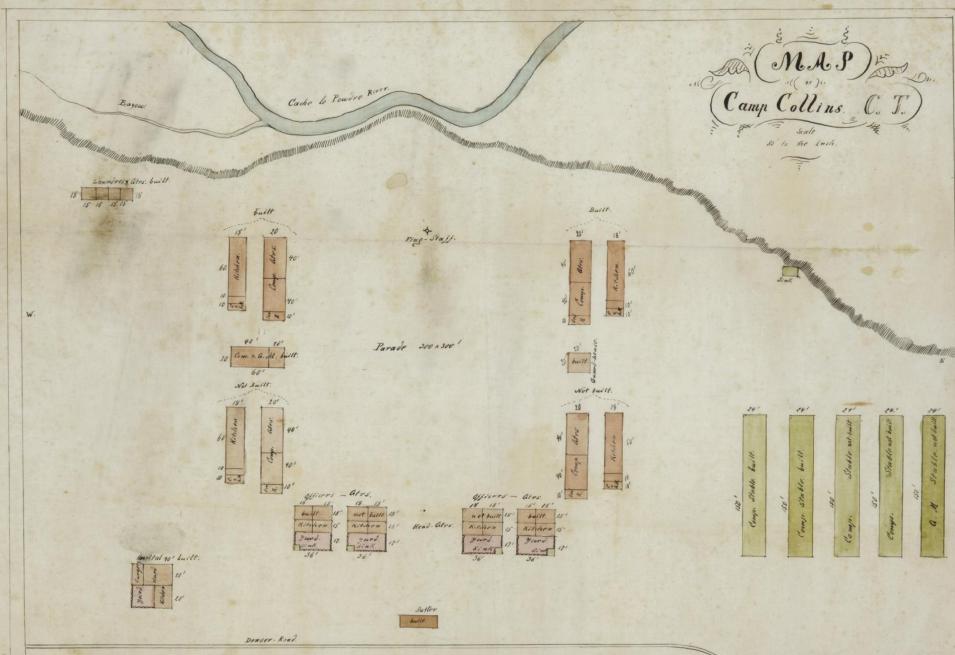
■1880s – 1900s: Reservoir Construction

■1890s – 1910s: Construction of Initial Transbasin Diversion Structures

■1930 – 1950s: Colorado Big-Thompson Project Development

CAMP COLLINS

Collins, Caspar. Wever, "Camp Collins." Caspar Collins Map Collection, 2003. [http://lib.colostate.edu/collins/item.php?item=0] (Accessed April, 20, 2011)





Chief Friday – Arapaho 1869



Chief Friday & Chief Crazy Bull 1873

1860s – 1870s: Ditch Construction

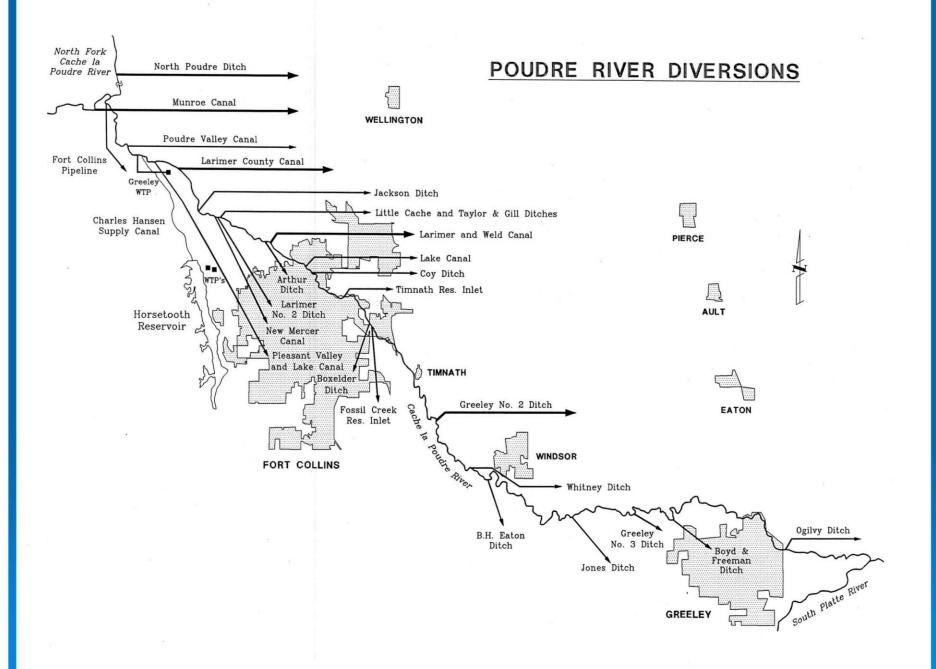
Smaller Private Bottomland Ditches

■Yeagar Ditch (priority #1)	June 1, 1860
Dry Creek (Jackson Ditch)	June 10, 1861
Whitney Ditch	Sept. 1, 1862
■B.H. Eaton Ditch	April 1, 1864
■John G. Coy Ditch	April 10, 1865
■J.R. Brown Ditch	May 1, 1865
■W.R. Jones Ditch	Sept. 1, 1867

1860s – 1880s: Ditch Construction

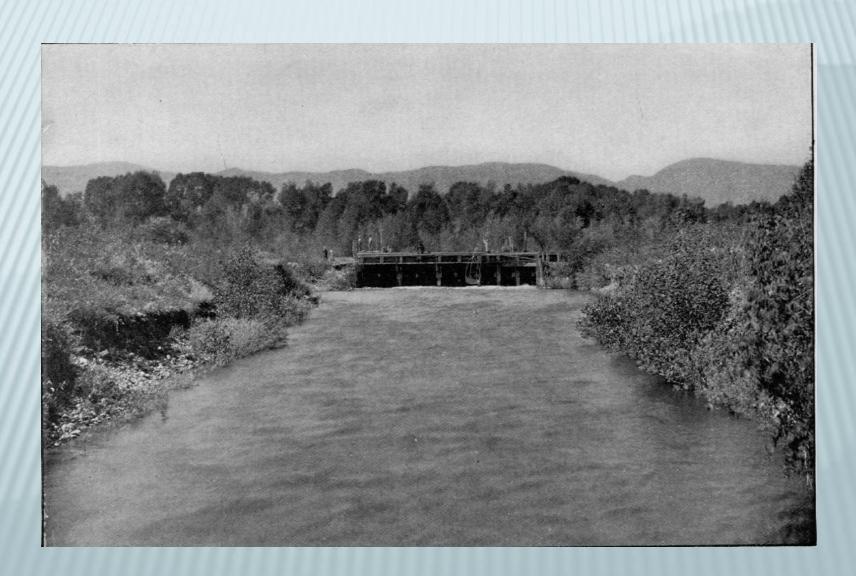
Larger Mutual Ditch Systems -- the "Big 4"

 New Cache La Poudre Irrigating Company Greeley No. 2 Ditch
 Larimer and Weld Irrigation Company Larimer and Weld Canal
 The Water Supply and Storage Company Larimer County Canal
 North Poudre Irrigation Company North Poudre Canal / Munroe Canal



HEADGATE OF LARIMER AND WELD CANAL

PHOTO BY DAVID BOYD,



1880s – 1900s: Reservoir Construction

- Commenced in earnest in early 1880s
- Total storage volume today exceeds 250,000 AF in Basin
- "Big 4" Reservoir Companies -- Plains Reservoirs
 - Cache La Poudre Reservoir Company
 - Timnath Reservoir (aka Cache La Poudre Reservoir)
 - Windsor Reservoir Company / Larimer and Weld Reservoir Co. Includes: "Big" Windsor, Cobb and Douglas Reservoirs
 - The Water Supply and Storage Company Includes: Rocky Ridge, WSSC Reservoirs 2 & 3
 - North Poudre Irrigating Company

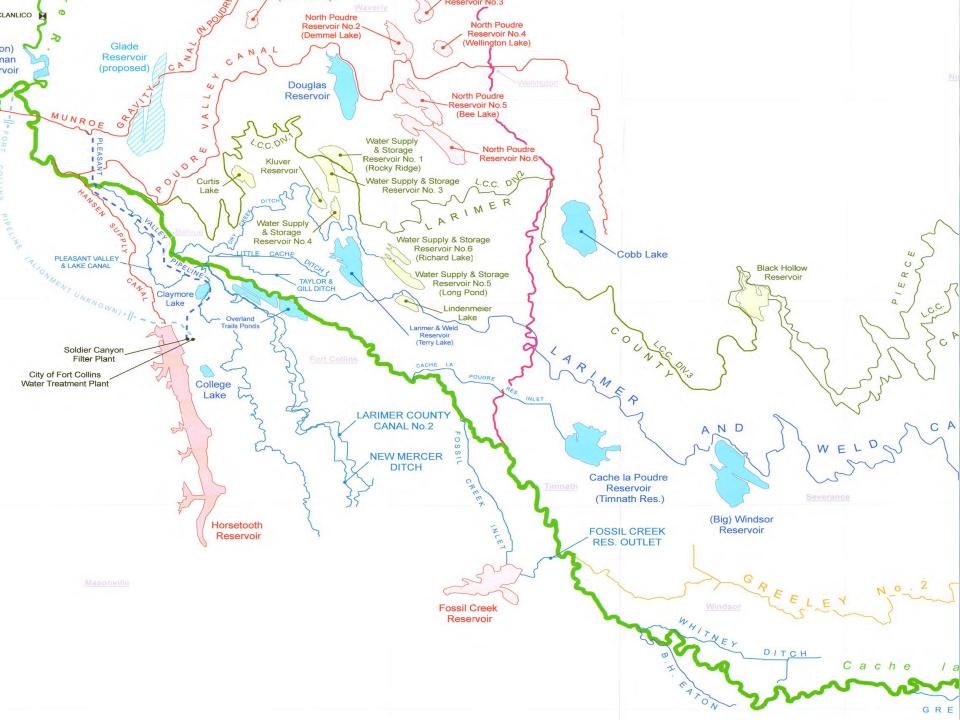
Includes: Halligan Reservoir and Fossil Creek Reservoir

BUILDING FOSSIL CREEK RESERVOIR

CIRCA 1902

PHOTO COURTESY OF CITY OF GREELEY MUSEUMS, H.E. JOHNSON COLLECTION





1880s – 1900s: Reservoir Construction

Mountain Reservoirs Reservoirs

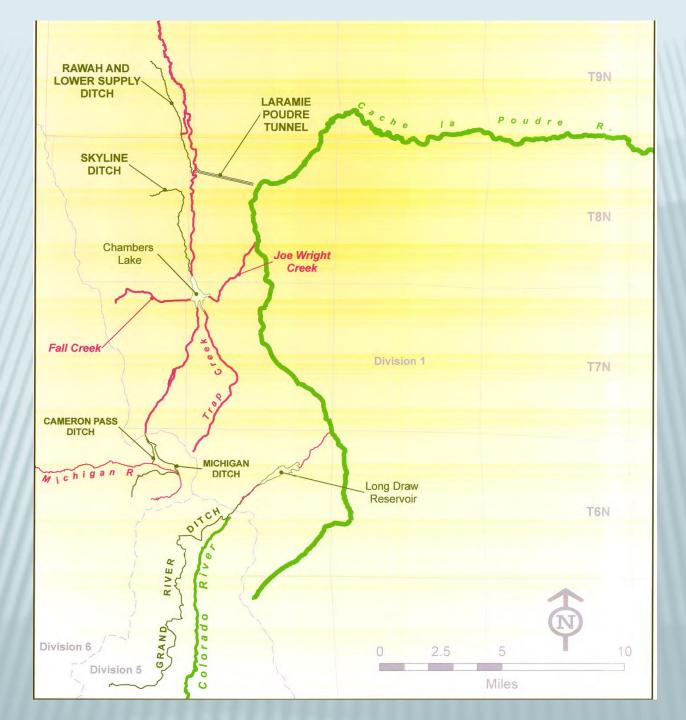
Main Stem

Chambers Lake Long Draw Reservoir Joe Wright Reservoir

North Fork

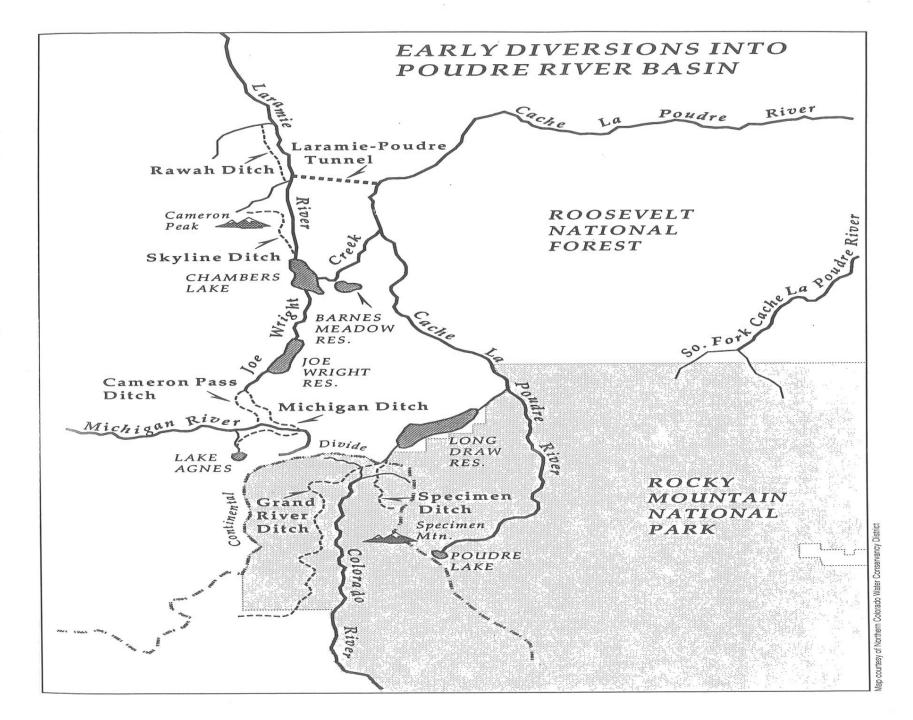
Worster Reservoir Halligan Reservoir Seaman Reservoir (Water Supply and Storage Company)(Water Supply and Storage Company)(City of Fort Collins)

(Divide Canal Company)(North Poudre)(City of Greeley)



Construction of Initial Transbasin Diversion Structures

- Grand River Ditch
- Laramie Poudre Tunnel
- Michigan Ditch
- Several Smaller Structures



SKYLINE DITCH CIRCA 1897

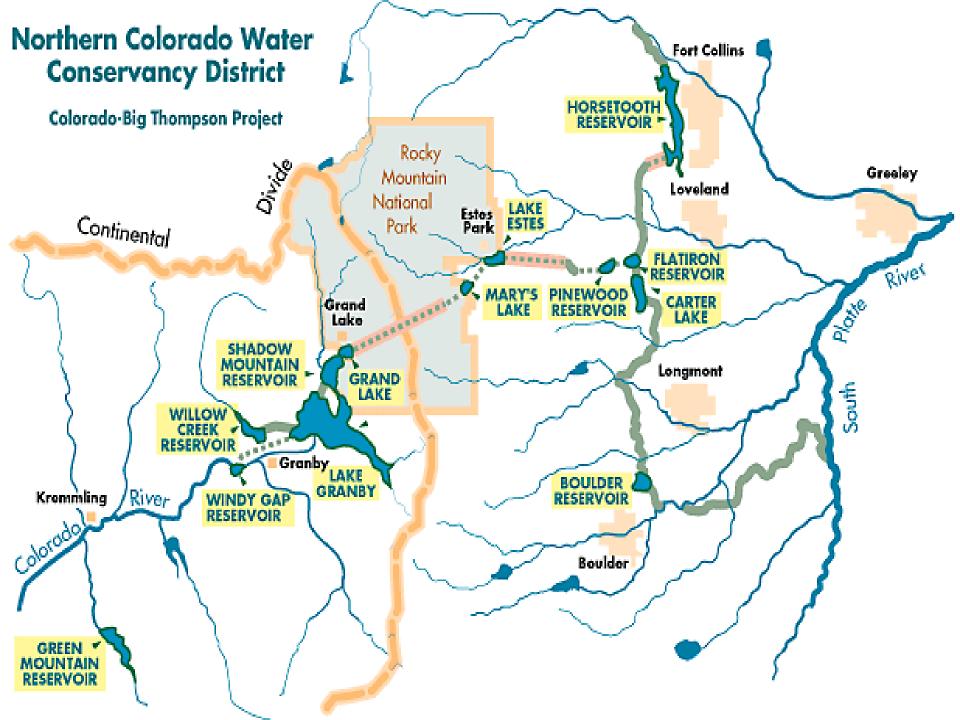
PHOTO FROM DAVID BOYD



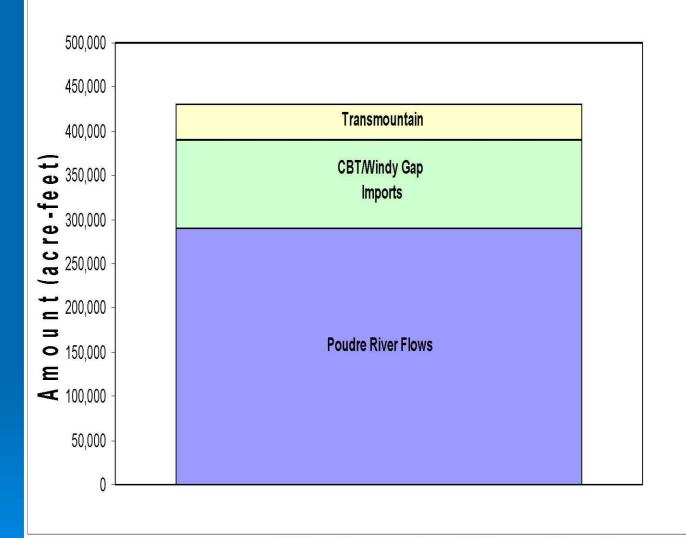
1930s – 1950s: Colorado-Big Thompson Project Development

- C-BT Project Constructed from 1938 1957
 Brings about 100,000 AF to Basin annually
- Horsetooth Reservoir and Hansen Supply Canal
- C-BT waters are "fungible" and widely traded / leased
- North Poudre 40,000 Units

Diverted by exchange at Munroe Canal and North Poudre Canal

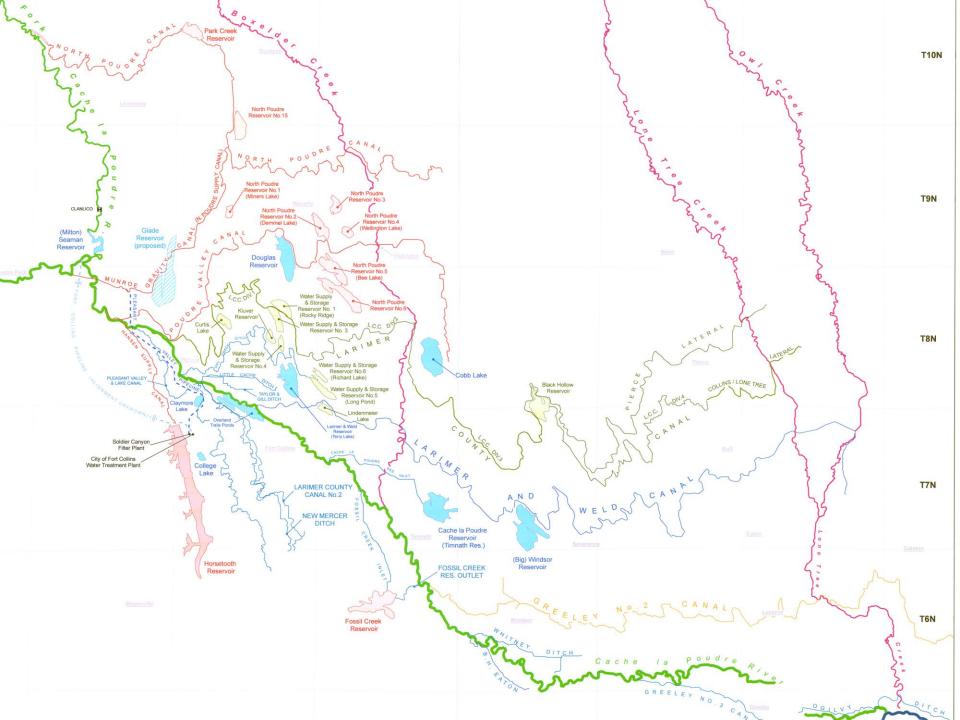


Average Annual Poudre Basin Supplies



Poudre Basin General Adjudication Decrees Three Major General Adjudications: Civil Action 320 (1882) 108 water rights for 65 structures Senior direct flow water rights Civil Action 1591 (1904) 61 storage rights for 45 structures Initial Reservoir Adjudication Civil Action 2031 (1921) 61 storage rights for 45 structures First true supplemental adjudication

Managing the Resource - Cache La Poudre Administration Senior Direct Rights Generally Downstream Greeley #3 Ditch (Greeley Irrigation Company) B.H. Eaton Ditch Whitney Ditch Greeley No. 2 (New Cache La Poudre Irrigating Company) Junior Direct Rights Generally Upstream North Poudre Canal Larimer and Weld Canal Exchanges Keep Juniors "In" When Call Comes On Fossil Creek Exchange North Poudre C-BT Exchanges



Managing the Resource -- Era of Cooperation

Cache La Poudre Water Users Association (1933) Created as organization to promote C-BT project Comprised of all major water users in the Basin

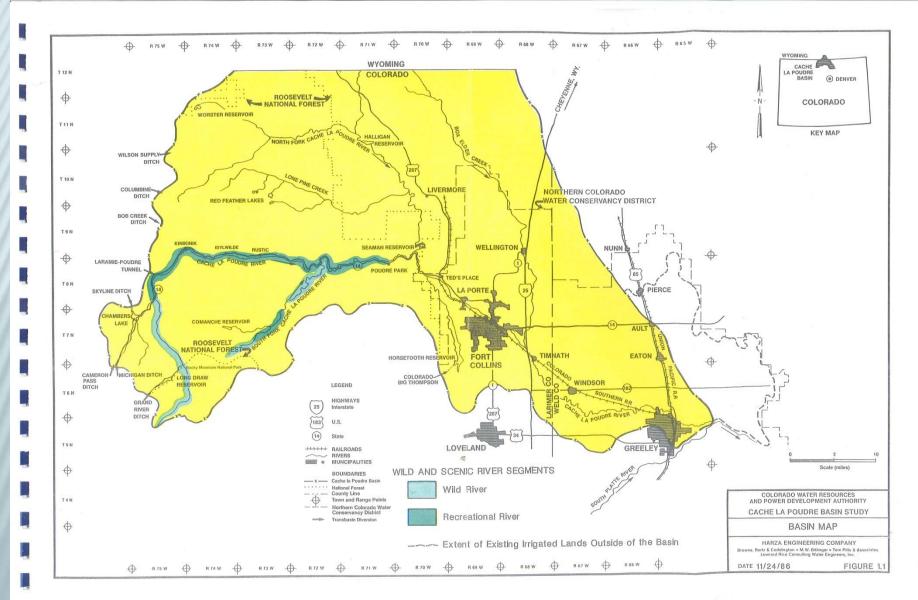
•Well Integration

Civil Action 11217 – Coffin Decree (1953)

Cache La Poudre Augmentation Plan (entered 1975)

Wild and Scenic Designation (1985)
 Wild and Scenic Compromise brokered by Hank Brown
 Decree entered in 86CW367

WILD AND SCENIC RIVER SEGMENTS



Managing the Resource – Era of Cooperation

In-Channel Issues

Fort Collins In-Channel Recreation Right

First in-channel diversion

City of Thornton v. City of Fort Collins, 830 P.2d 915

Bellevue Fish Hatchery Right

Case 85CW201

50 c.f.s. claim for flows into Watson Lake (near Laporte) Exchange "bottleneck"

CWCB Instream Flow Rights

Several claims in Poudre headwaters and on North and South Forks.

Meeting Changing Needs

Significant Local Municipal and Industrial Water Users

- City of Fort Collins
- ■City of Greeley
- Town of Windsor
- Tri-Districts
 - East Larimer County Water District
 - North Weld County Water District
 - Fort Collins Loveland Water District
- Platte River Power Authority
- Breweries!
 - Budweiser
 - New Belgium
 - Odells

Meeting Changing Needs

Significant Decreed Municipal Change Cases

Thornton WSSC change: 86CW401, 86CW402, 86CW403, 87CW332
 Thornton v. Bijou, 926 P.2d 1.

Change of 283 shares in the Water Supply and Storage Company

Fort Collins: 92CW231.

Change of "South Side" Ditch Companies Shares

Arthur Irrigation Company

Larimer County Canal No. 2 Irrigating Company

New Mercer Company

Warren Lake Reservoir Company

Meeting Changing Needs -- Future Challenges

Pending Municipal Change Cases

- Fort Collins: 05CW323 ("2nd generation" South Side Ditch change case)
- East Larimer County Water District: 03CW422 (WSSC change)
- North Weld County Water District: 03CW421 (WSSC change)
- City of Greeley: 06CW258 (Change of Tunnel Water Rights)
- City of Greeley: 07CW190 (WSSC change)

Future Change Cases?

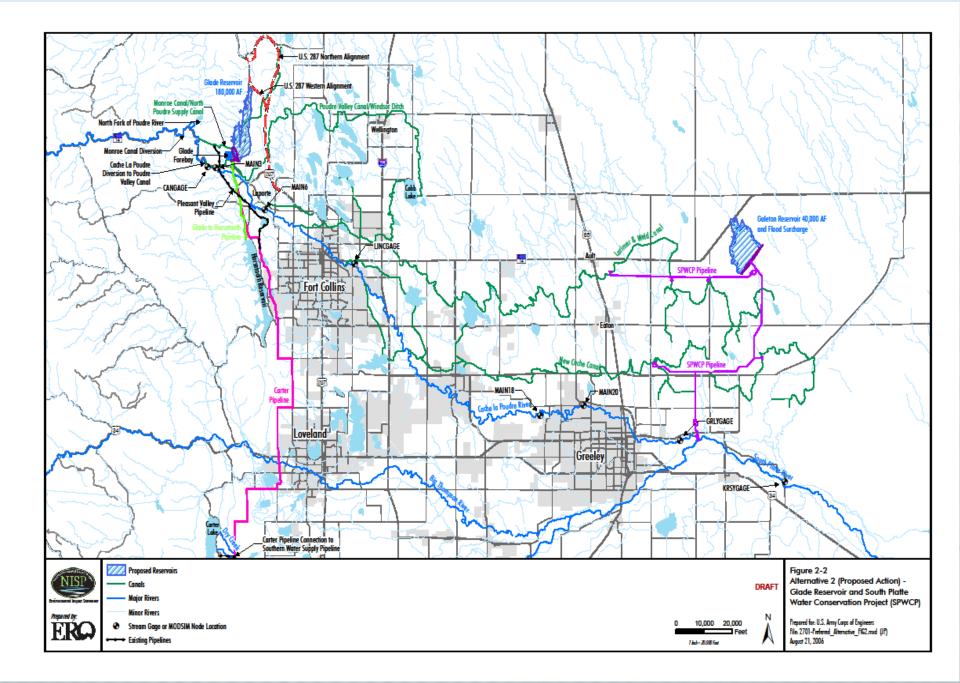
United Case 02CW404/04CW442 signaled more to come

Meeting Changing Needs -- New Proposed Projects

Northern Integrated Supply Project "NISP"

Proposal to supply water to 15 Front Range Entities Basically a large exchange from SP near Kersey to Poudre Valley Canal Two Reservoirs to complete Exchange: Galeton and Glade Galeton: 45,000 AF Capacity; in Weld County Glade: 170,000 AF Capacity; in Larimer County

> Alternate place of storage for Grey Mountain Reservoir (80CW335) Alternate place of Storage decreed by NCWCD Decree in 03CW405



WORTHINGTON WHITTREDGE

ON THE CACHE LA POUDRE RIVER 1876

