Water Supply and Storage Company

Affiliated Companies:

Tunnel Water Co. and Jackson Ditch Company

Legal Structure

Founded August, 1891
Non-profit mutual ditch corporation
Qualified under IRS Reg. 501(c)12
9 Member Board of Directors

Shareholders – 600 shares issued

- Agricultural & Non-Municipal Use
  - 128 Shareholders
  - 199 Shares
  - 40,000 Acres in Agricultural Production

- Municipal Use
  - 10 Shareholders
  - 401 Shares
  - All but 21 Shares in 2018 used for ag. irrigation
  - 362.17 Shares “converted in water court”

Company Facilities

- Collection System:
  - Grand River Ditch
  - Skyline Ditch
  - Cameron Pass Ditch
  - Laramie-Poudre Tunnel
    - Rawah Ditch

Delivery & Storage:

Larimer County Canal

11 Reservoirs

Kawunechee Valley below – Grand River Ditch

Long Draw Dam spilling

Chambers Lake Dam

Grand River Ditch Road

WSSC System Facilities

- Larimer County Canal
  - 58 Miles in Length
  - 300 – 400 cfs normal diversion capacity
- Major Lateral Ditches
  - 36 Miles in Length

Reservoir Storage Capacities

- 2 Mountain Reservoirs – 19,700 Acre-Feet
  - Chambers Reservoir & Long Draw
- 9 Plains Reservoirs – 27,200 Acre-Feet
  - Res. #3, Res. #4, Kluver
  - Long Pond, Black Hollow, Curtis Res.,
  - Rocky Ridge, Richards, Lindenmeier

WSSC Water Rights

- Direct flow rights – 1862 to 1914
- Storage rights – 1882 to 1982
- Transbasin rights – 1882 to 1912
- CBT Shares – 1425 units (w/o private holdings)
- Jackson Ditch 1861 to 1879

Existing Agreements with Municipal Shareholders

- 1982 Fort Collins
- 1986 Thornton
  - Change of use to Municipal Use
  - Use of WSSC System
  - Storage and use of Excess Capacity
  - Local control of Board of Directors
- Greeley, ELCO, North Weld

Water Supply and Storage Company

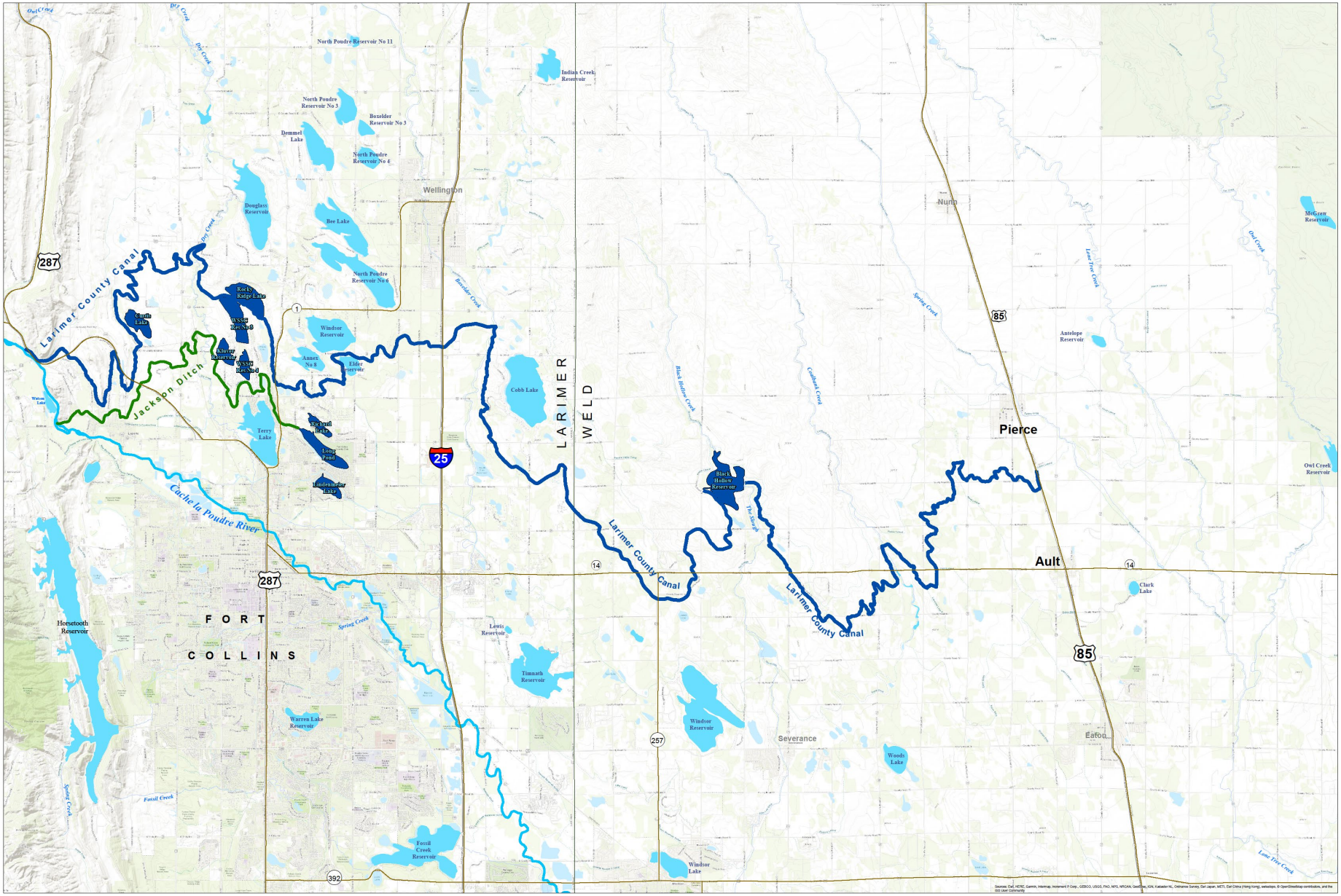
Main Canal

0 2 4 8 12 16 Miles

N W E S

Legend

- Larimer County Canal
- Jackson Ditch
- WSSC Reservoirs
- Other Lakes/Reservoirs



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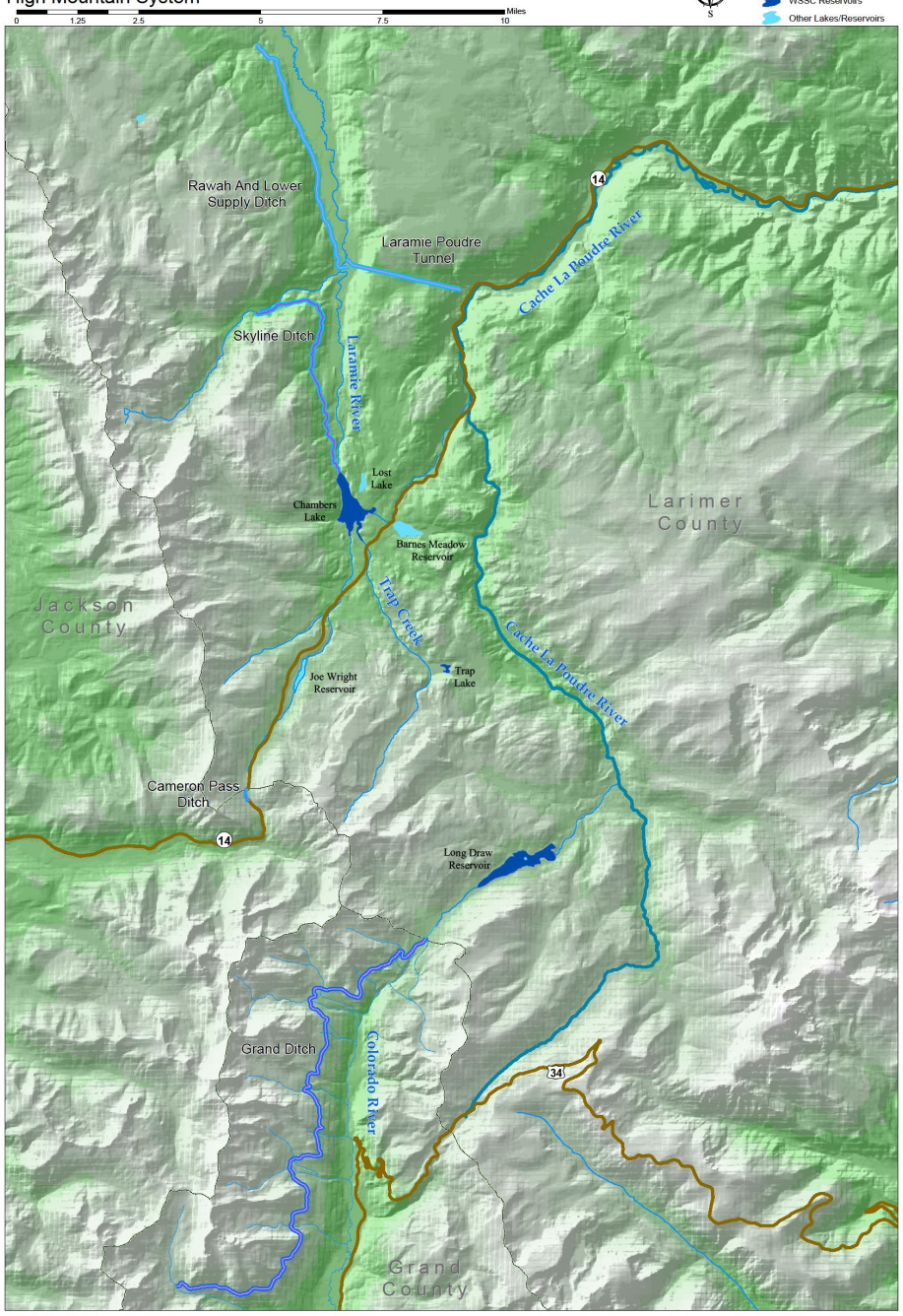
Water Supply and Storage Company

High Mountain System



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Water Supply and Storage Company

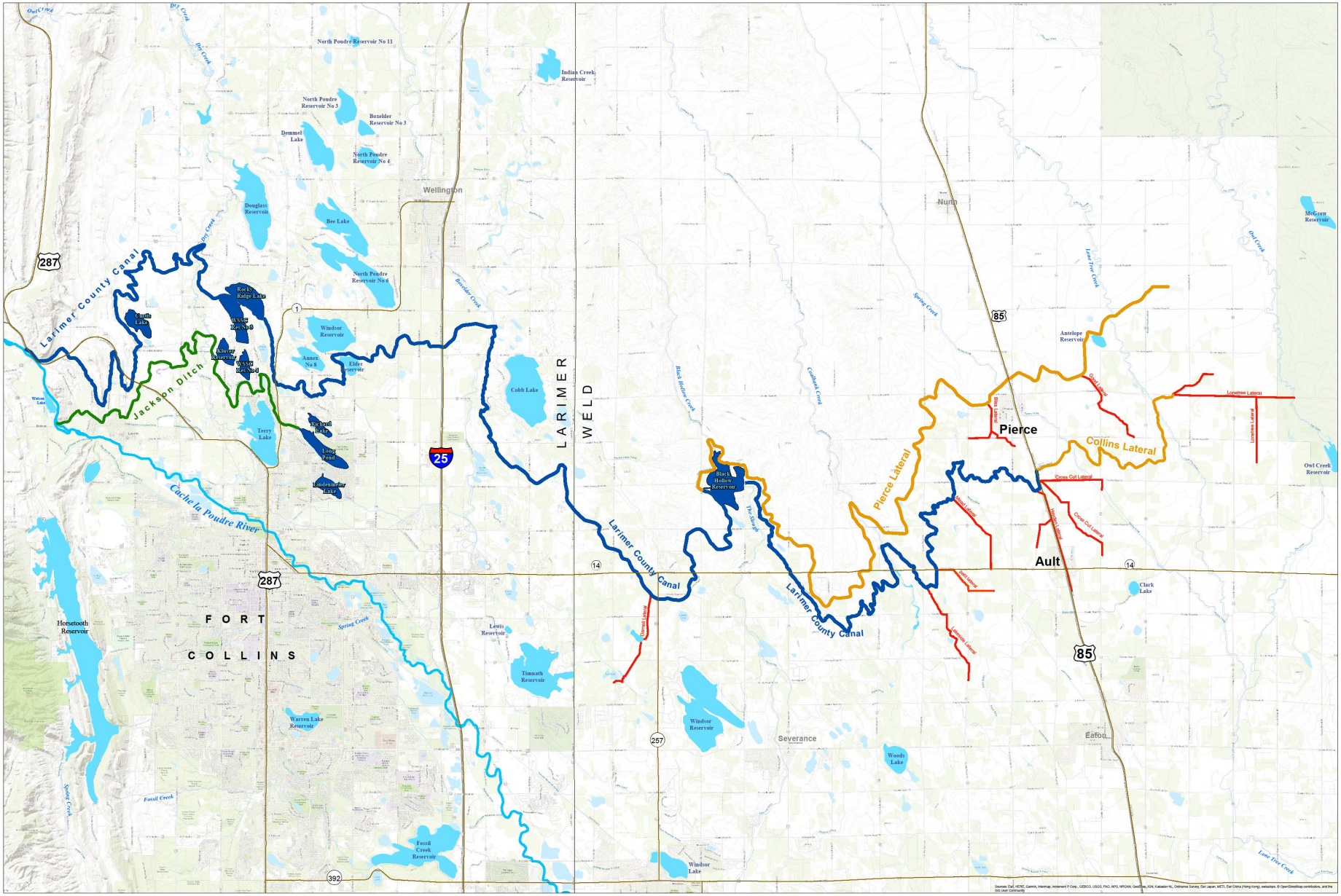
Main Canal and Laterals

0 2 4 8 12 16 Miles

N W E S

Legend

- Larimer County Canal
- Minor Laterals
- WSSC Reservoirs
- Major Laterals
- Jackson Ditch
- Other Lakes/Reservoirs



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Water Supply and Storage Company

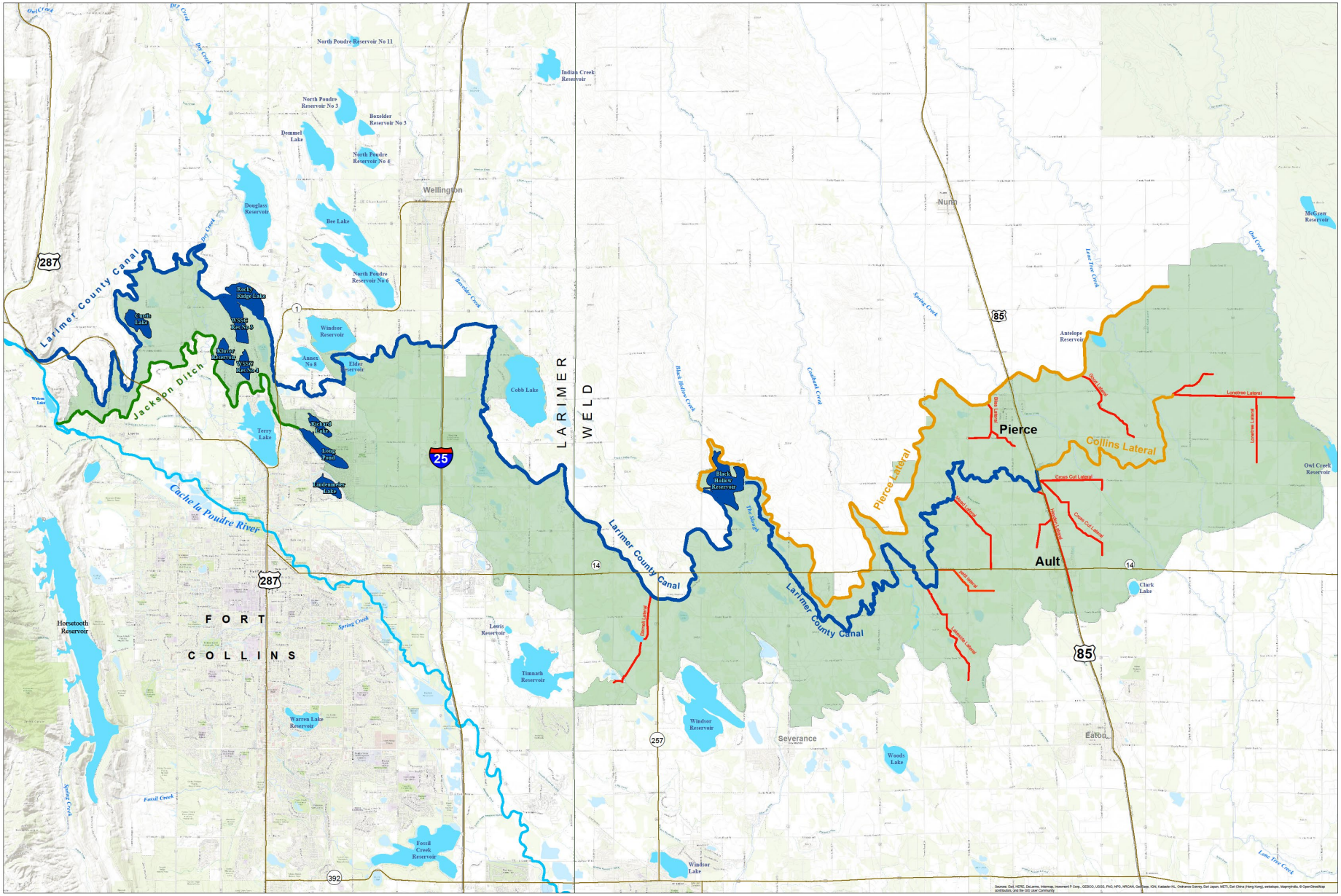
Main Canal, Laterals and Service Area

0 2 4 8 12 16 Miles

N W E S

Legend

- Larimer County Canal
- Major Laterals
- Minor Laterals
- Jackson Ditch
- WSSC Service Area
- WSSC Reservoirs
- Other Lakes/Reservoirs



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Water Supply and Storage Company

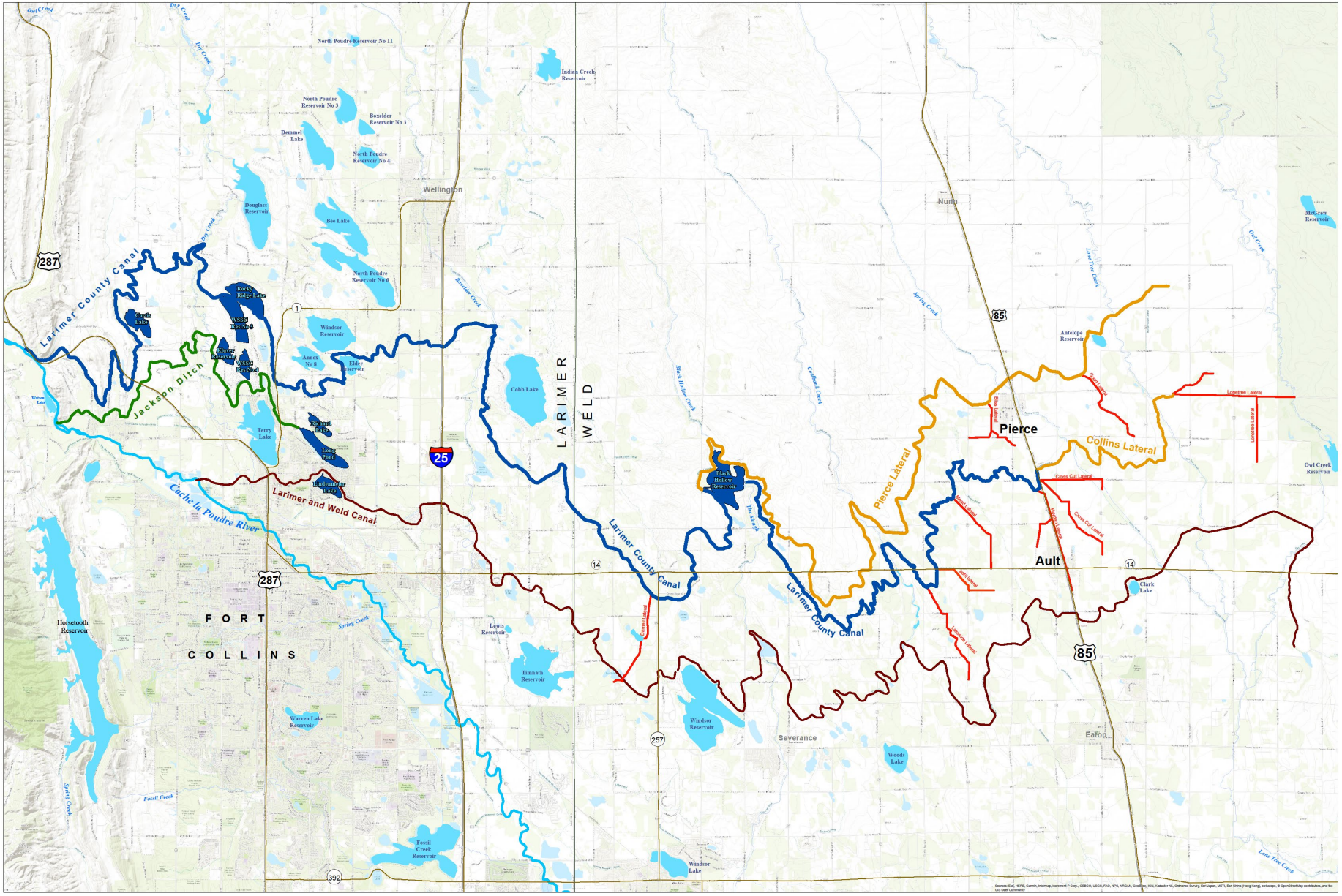
Operations

0 2 4 8 12 16 Miles

N W E S

Legend

- Larimer County Canal
- Major Laterals
- Minor Laterals
- Jackson Ditch
- Larimer and Weld Canal
- WSSC Reservoirs
- Other Lakes/Reservoirs



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WSSC Operations

- Delivery Season – May to mid-September
- Avg. Water Delivered – 51,896 aft
- System Operations – 4 to 5 Delivery Days/2 to 3 System Recharge Days per week
- Delivery Days/Yr. – 63.64 (32 yr. avg.)
  - 64 days in 2018

History of Diversions

Avg. for 48 years (1970 – 2017)
(in Acre-Feet)

Cache la Poudre River	20,021
Trans-basin Diversions (never run thru Ft. Collins)	
Colorado River (Grand River Ditch)	16,663
Laramie River-No. Platte (L-P Tunnel)	12,912
CBT Units (NCWCD) 1425 at est. 70% quota	998
	50,594
Jackson Ditch (6.25 of 24 sh. owned, est.)	1,302
Total	51,896

winter is coming . . .