

Tri-Districts Water Resources

- Perspectives on the Poudre
 - November 18, 2014
- *" When you are testing to see how deep water is, never use two feet." ~Benjamin Franklin*

Water Districts

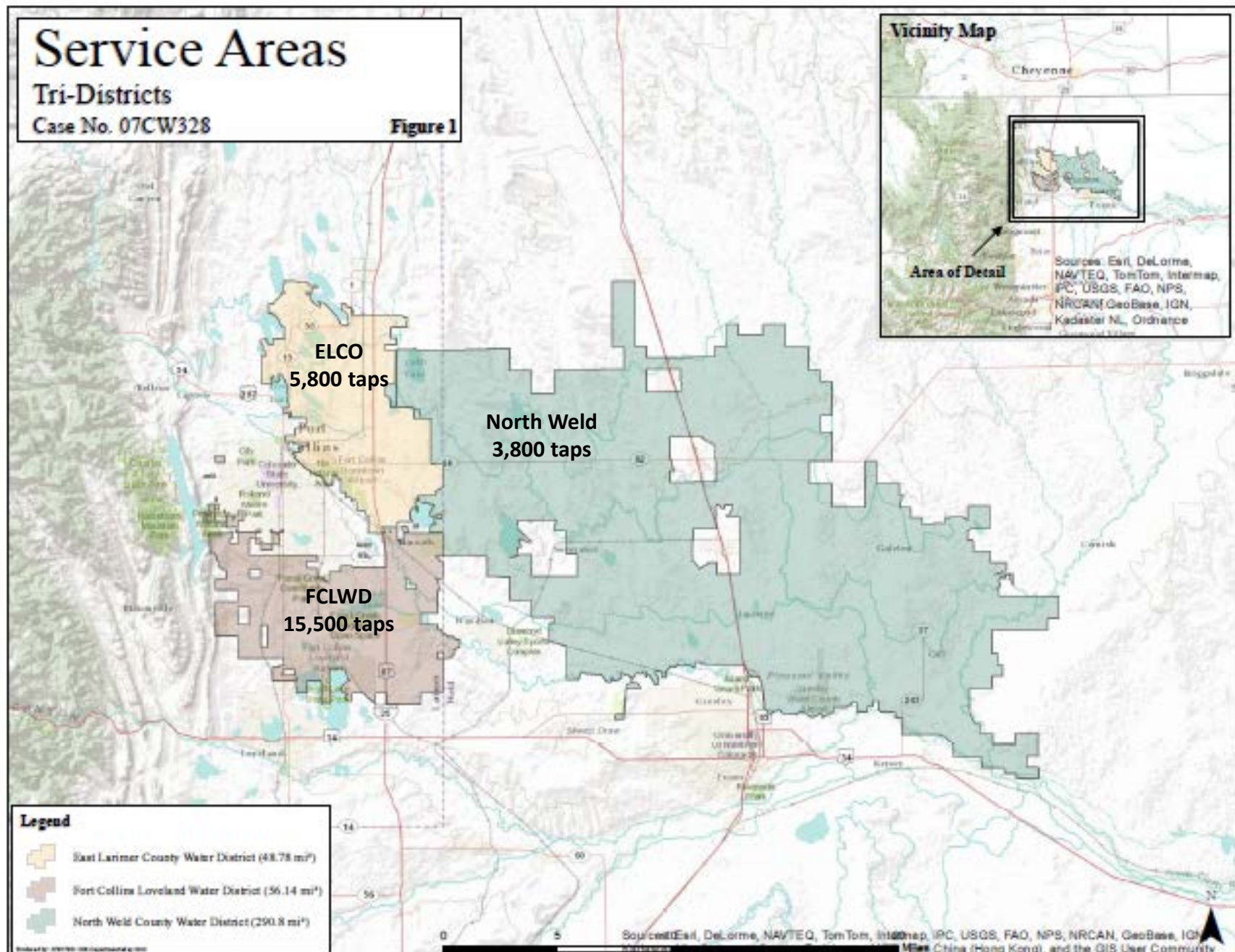
- Title 32 Special Districts with a governing Board of Directors.
- The purpose of a Title 32 Special District is to provide a specific service in a defined area.
- The Tri-Districts were created in the early 1960's to provide a public water supply in areas not served by municipal utilities.

Service Areas

Tri-Districts

Case No. 07CW328

Figure 1



Soldier Canyon Filter Plant



Raw Water Sources:

- Horsetooth Reservoir
- Pleasant Valley Pipeline.

Built in 1962.

"Water needed at the SCFP all year, every year."

- The mission of Water Resources is to consistently supply raw water to the Soldier Canyon Filter Plant for each of the Tri-Districts by maximizing its water right assets as cost-effectively as possible.

Water Demand

- ~25,000 taps
- Wholesale accounts – treat and deliver water to 7 towns
- Demand is ~18,000 acre-feet
- Urban users, industrial users, feedlots and dairies

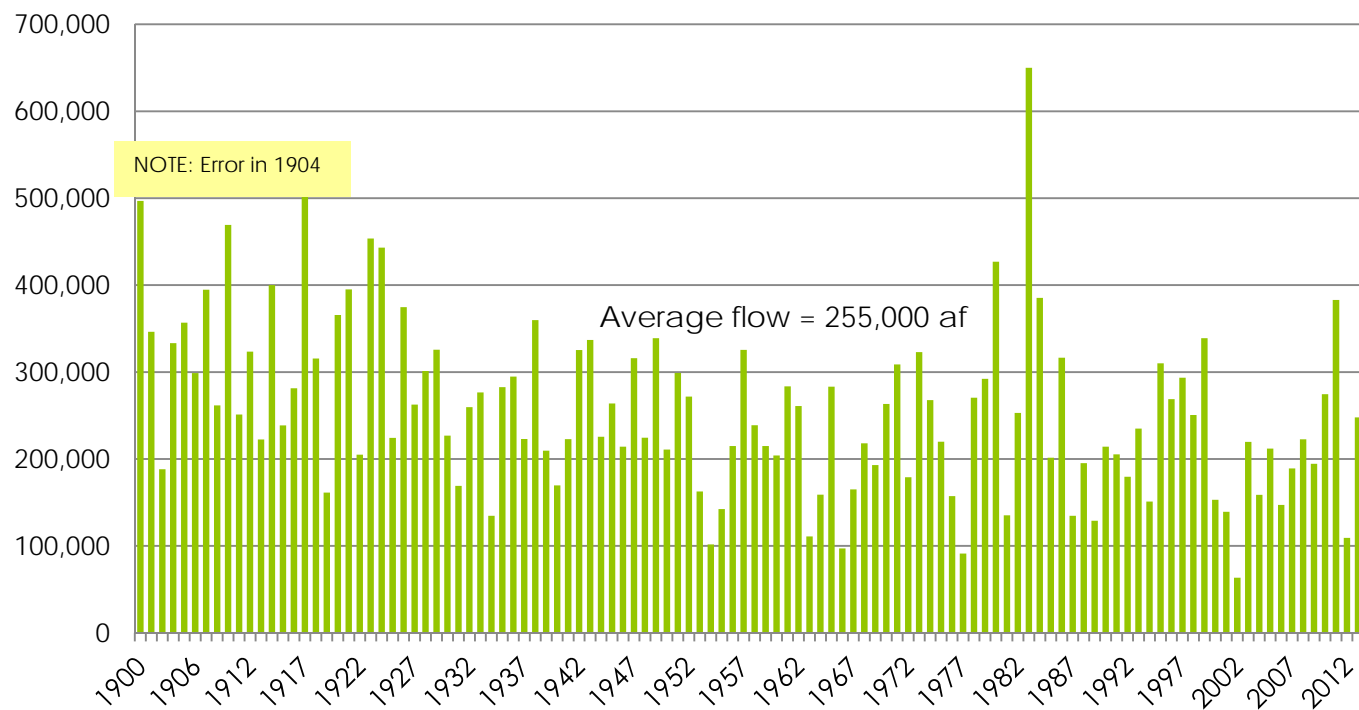
Water Supplies

- Poudre Basin Rights
- Laramie Basin Rights
- Colorado Basin Rights

Water Provider Dilemma

- Provide certainty in a variable semi-arid climate.
- Water rights yield primarily from May through September.
- Municipal demands from January to December.

Poudre River Flows at Canyon Mouth



Storage

- Captures monthly excess during May to September period and retimes the supply throughout the year.
- Captures annual excess for use in future dry years.

What is your back up plan?

- Redundancy.
- Water rights from three basins.
- Two sources to the Soldier Canyon Filter Plant - Horsetooth Reservoir and the Poudre River.
- Storage in key locations.

The Future

- 2040 – State Demographer Predicts population in Larimer and Weld Counties will grow to 1,054,000 residents
- Fort Collins has increased from 100,000 to 150,000 residents in the last 15 years.