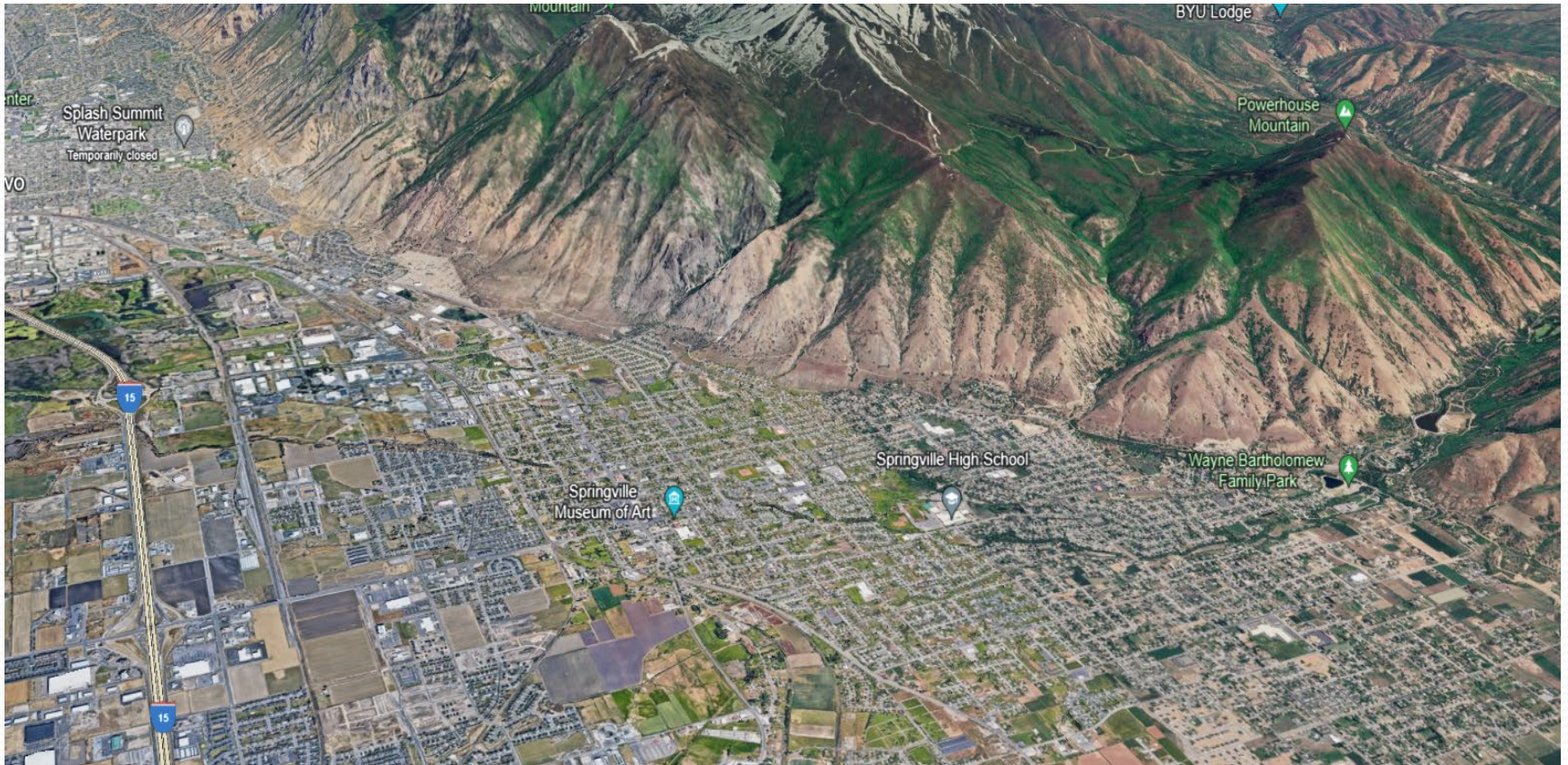


Springville Drinking & Secondary Water Systems



City Water Sources

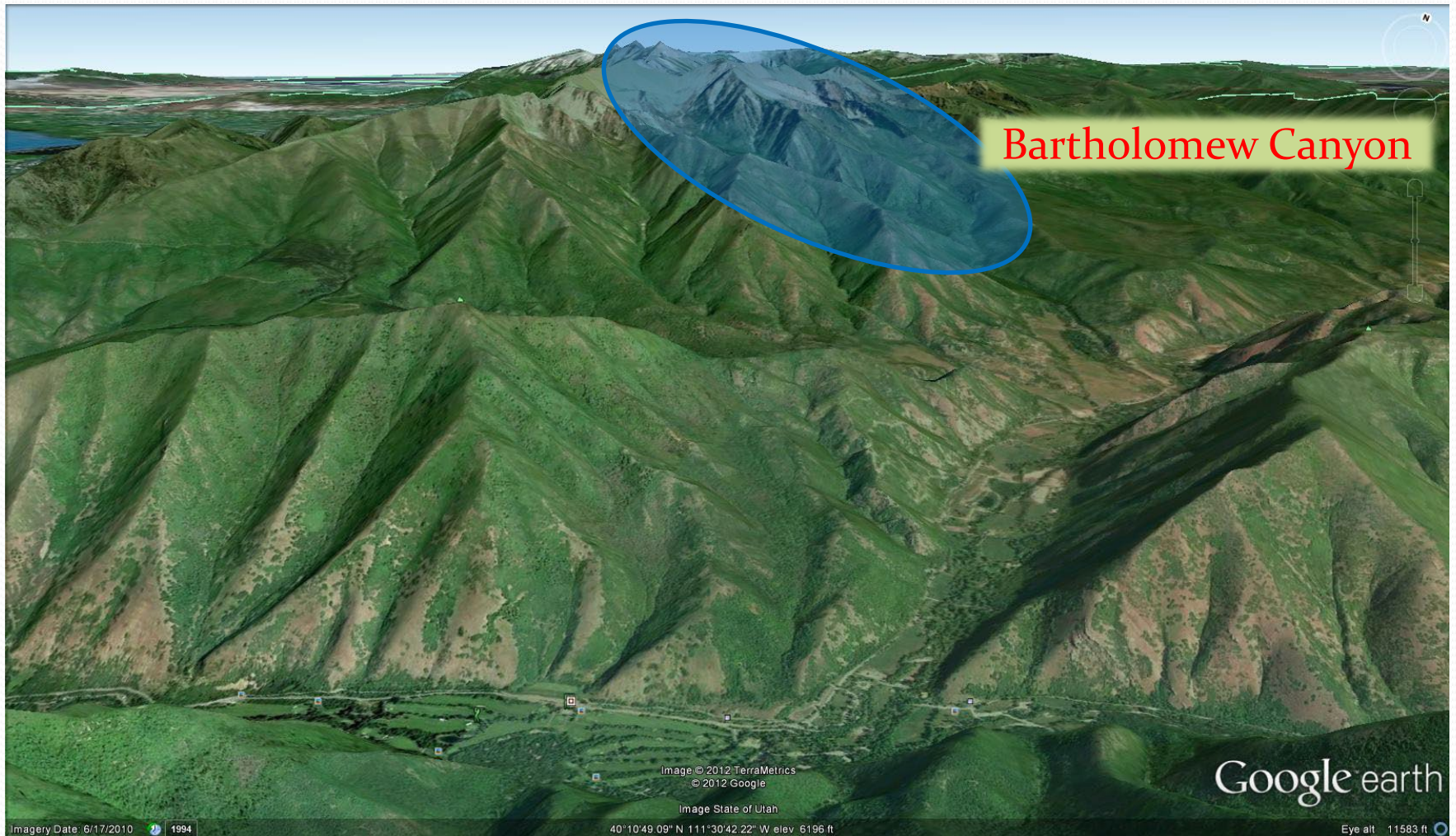
- Surface Water

- 7 Deep Wells



- 4 Natural Underground Spring Complexes

Culinary Water - Springs



Bartholomew Canyon

Image © 2012 TerraMetrics
© 2012 Google

Image State of Utah

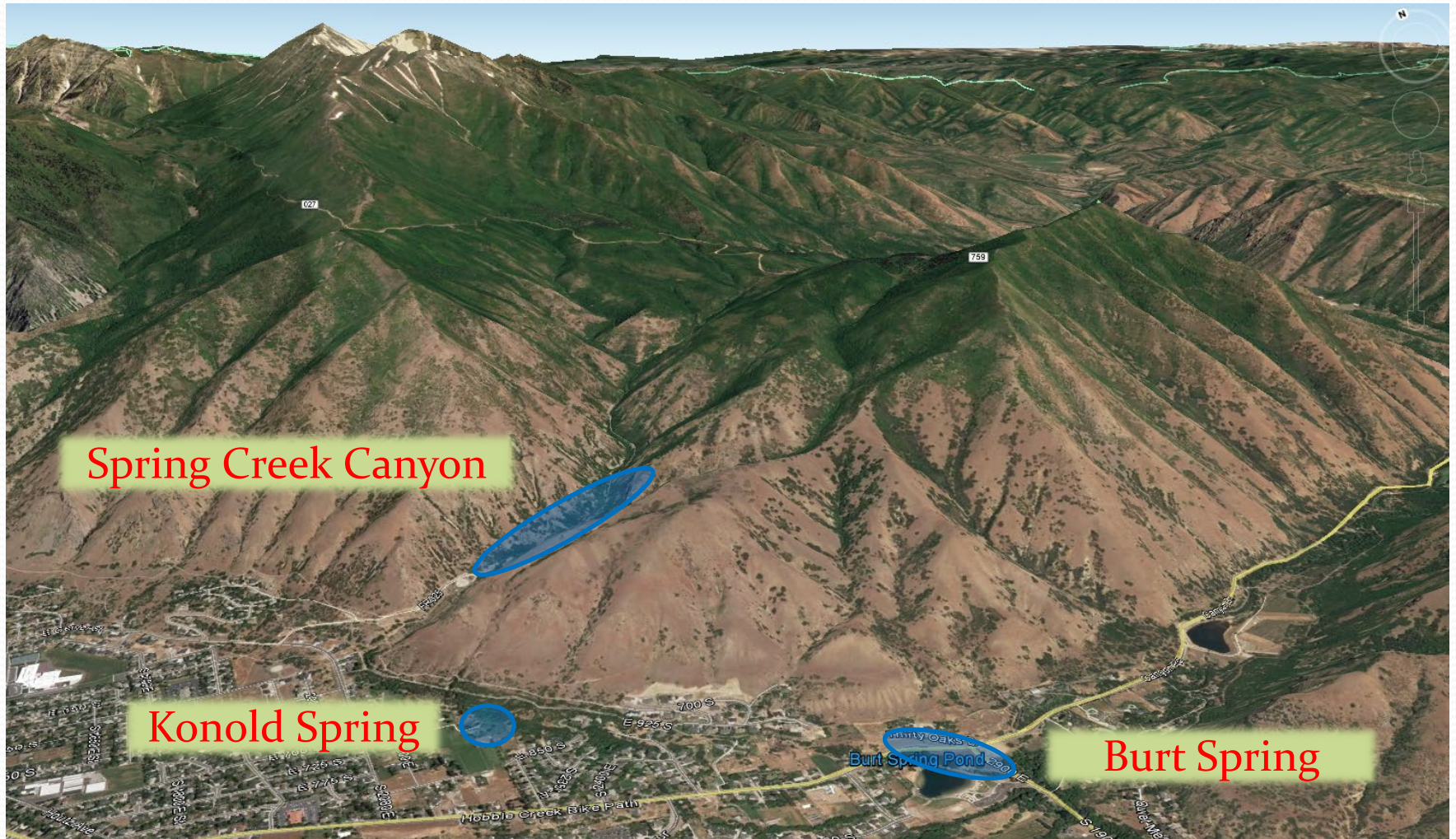
40°10'49.09" N 111°30'42.22" W elev. 6196 ft

Google earth

Eye alt 11583 ft

Imagery Date: 6/17/2010 1994

Culinary Water - Springs



Spring Creek Canyon

Konold Spring

Burt Spring Pond

Burt Spring

Culinary Water - Wells



Providing Water to Hobble Creek Canyon Residents

City's Spring
Collection Area in
Bartholomew Canyon



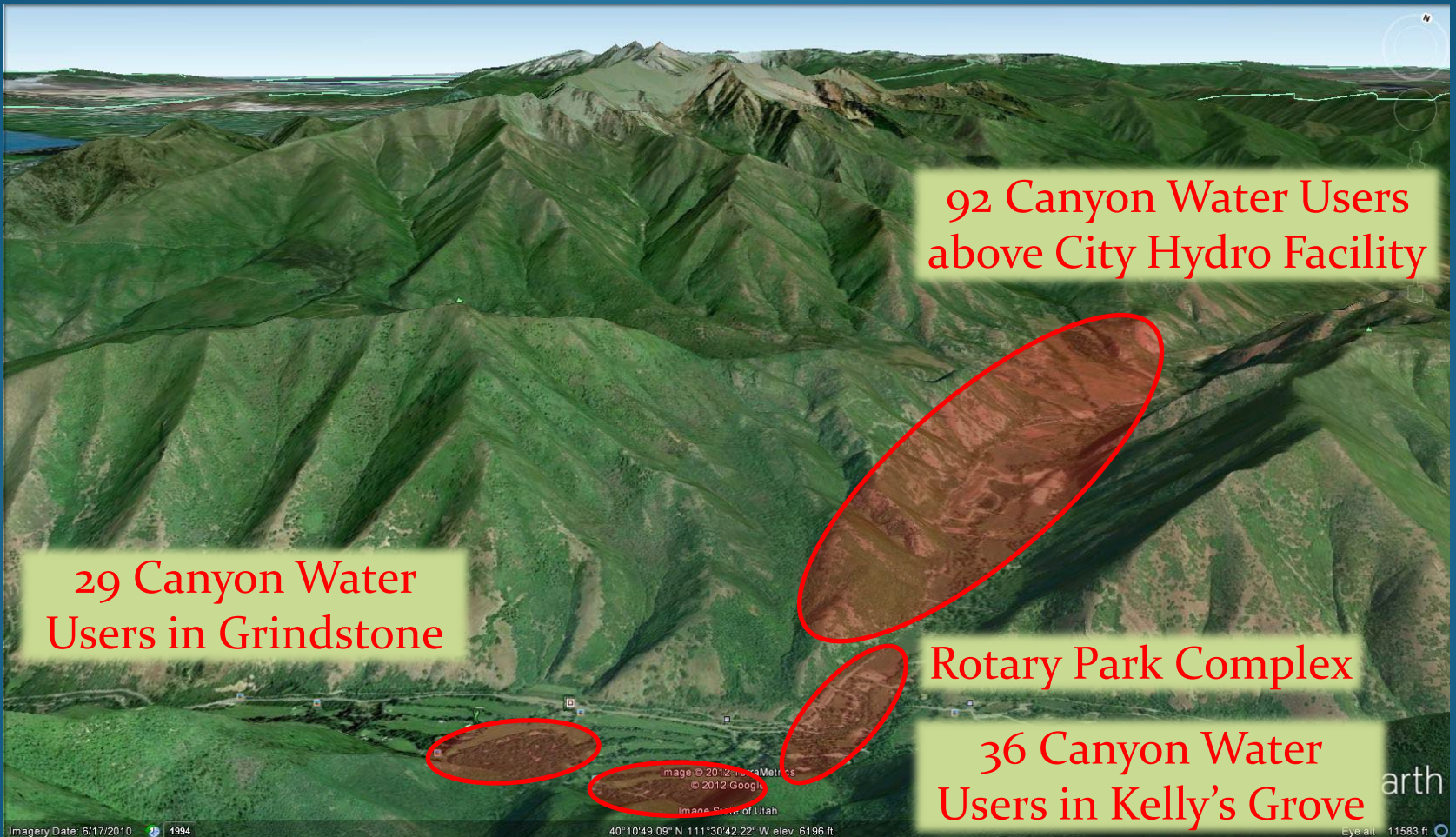
Providing Water to Hobble Creek Canyon Residents

92 Canyon Water Users
above City Hydro Facility

29 Canyon Water
Users in Grindstone

Rotary Park Complex

36 Canyon Water
Users in Kelly's Grove



Water Sources

Wells (Production)	(gpm)
• 200 North	2,400
• 400 South #1	3,000
• 400 South #2	4,000
• 900 South	3,000
• 1000 South	570
• Canyon Road	1,500
• Evergreen	<u>350</u>
Total Well Production Capacity	14,820

Water Sources

● Springs		(gpm)
● Bartholomew	(701 - 7,050)	1,823
● Konold	(188 - 215)	215
● Spring Creek	(960 - 1,908)	1,427
● Burt	(431 - 1,629)	<u>859</u>
Total Spring Avg Flow		4,324

Water Sources

	Drought	Avg. 2023
	(gpm)	(gpm)
● Springs		
● Bartholomew	448	1,823
● Konold	188*	215
● Spring Creek	764	1,427
● Burt	<u>766</u>	<u>859</u>
Total	2,166	4,324

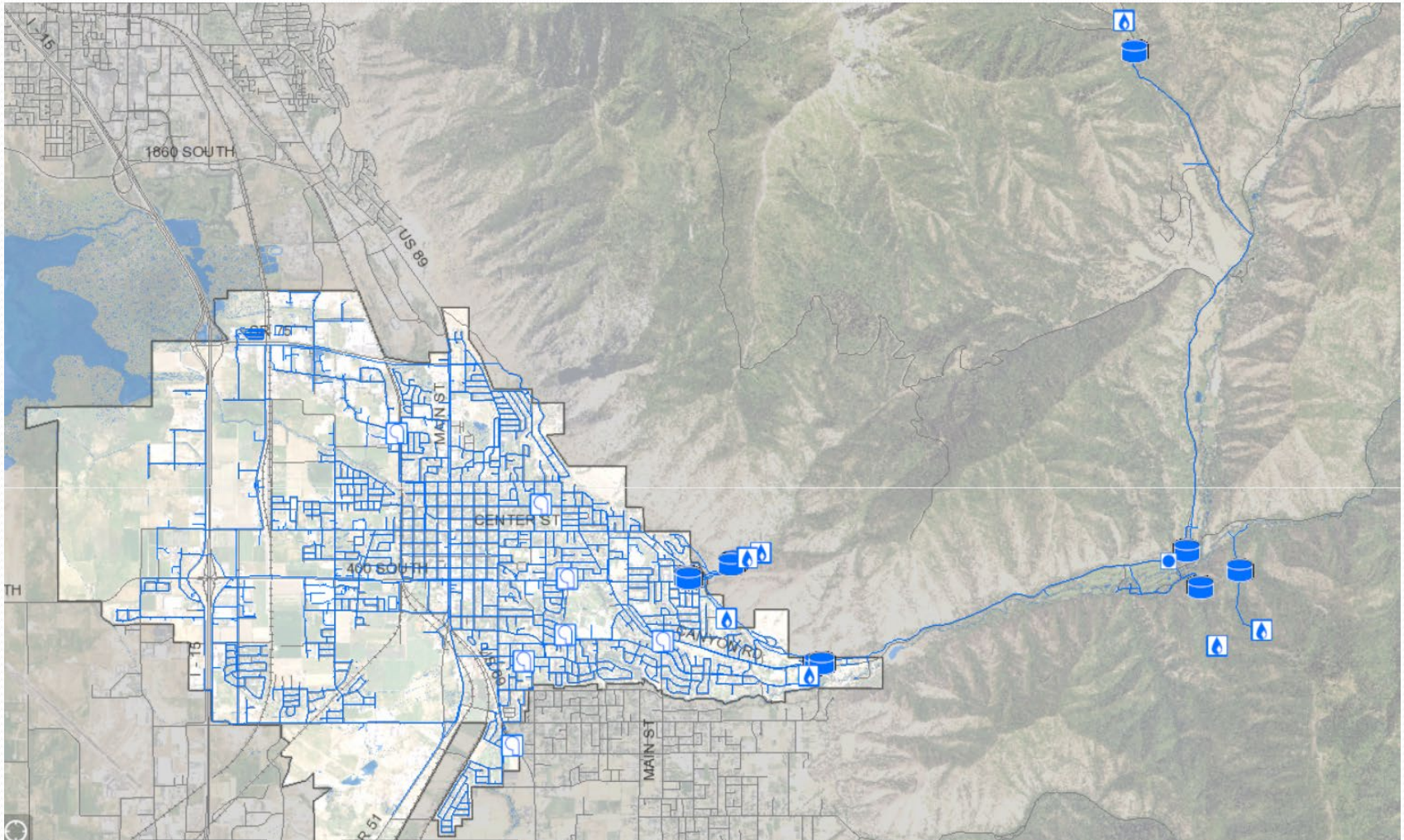
Source Capacity vs Peak Day Demand

	(gpm)
● Wells	14,820
● Springs (Drought Years)	<u>2,166</u>
Drought Year Source Capacity	16,986
	(gpm)
● Existing Total Peak Day Demand	12,051

Water Tanks

● Bartholomew	1.4 MG	} 15.4 MG
● Rotary	2.0 MG	
● Hobble Creek #1	2.0 MG	
● Hobble Creek #2	2.0 MG	
● Upper Spring Creek	2.0 MG	
● Lower Spring Creek #1	1.0 MG	
● Lower Spring Creek #2	2.0 MG	
● Lower Spring Creek #3	3.0 MG	

Water Tanks



Lower Spring Creek Tanks



Lower Spring Creek Tank #1



Lower Spring Creek Tank #3

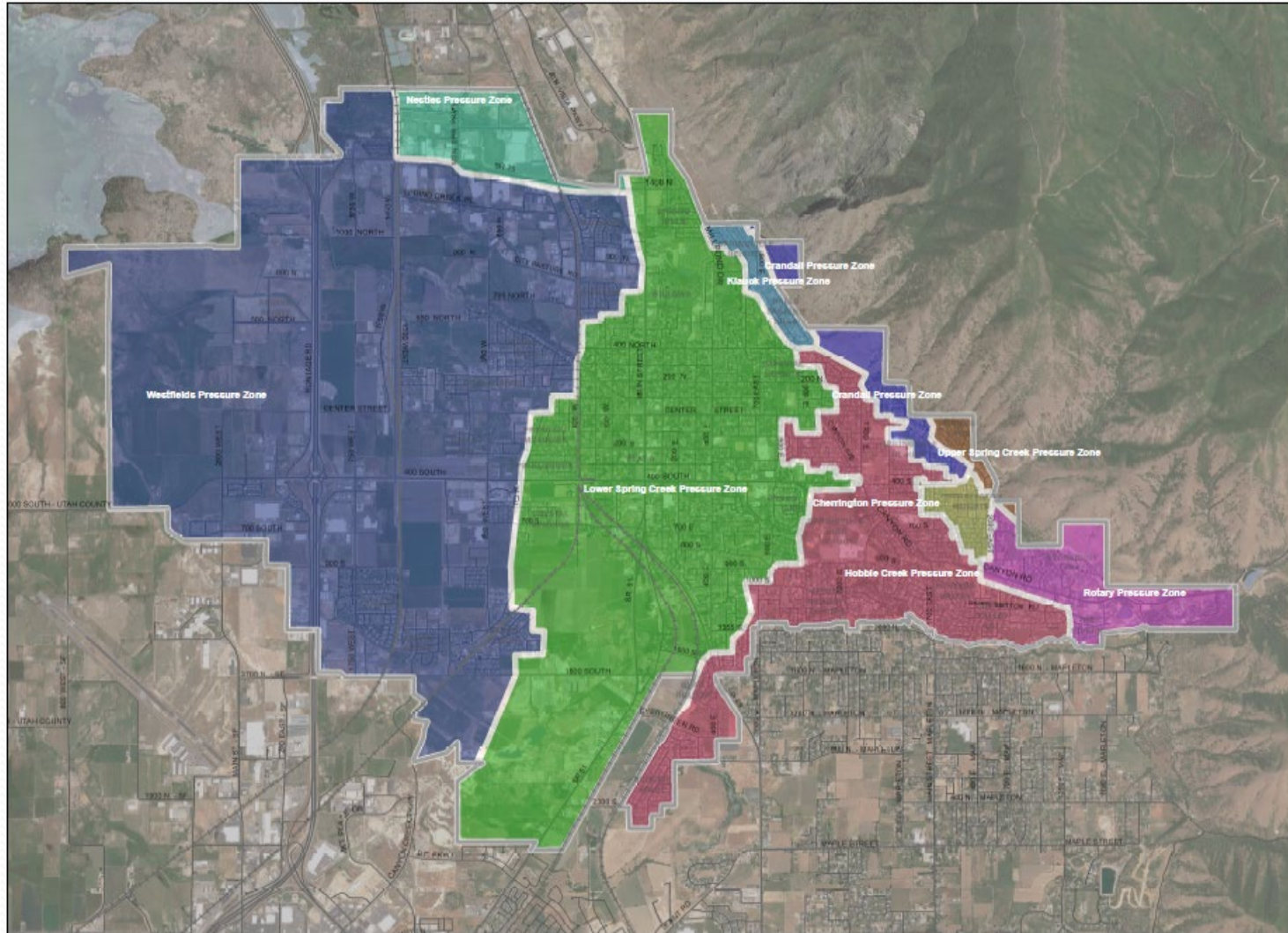




Water Pressure

- Maintain System Pressure of 50 to 110 psi
- Elevation change in Springville
 - 5,050 – 4,500 above sea level
 - 0 to 238 PSI
- Requires Pressure Reducing Stations

Water Pressure Zones



2023 Usage (gallons)

• Culinary Water Billing	(gal)
• Residential	1,590,336,000
• Commercial	343,133,000
• Industrial (Nestle)	<u>334,248,000</u>
• Total	2,267,717,000
• Pressurized Irrigation	
• Residential (1,523 customers)	328,826,000

Canyon Usage (gallons)

● Upper HC Canyon (92)	23,665,000
● Kelly's Grove (20)	1,224,000
● Grindstone (39)	<u>5,244,000</u>
	30,133,000
● Rotary Park	4,591,000
	34,724,000

Water/PI Division

- Operations Expenses

● Culinary	\$2,214,996
● Secondary	\$215,021
● Debt Service	\$321,490
● Transfers	<u>\$1,459,492</u>
	\$4,210,969

- Revenues **\$6,326,197**

Impact Fees - \$209K