

Water Supply Update

August 17, 2022

Water & Sewer Board

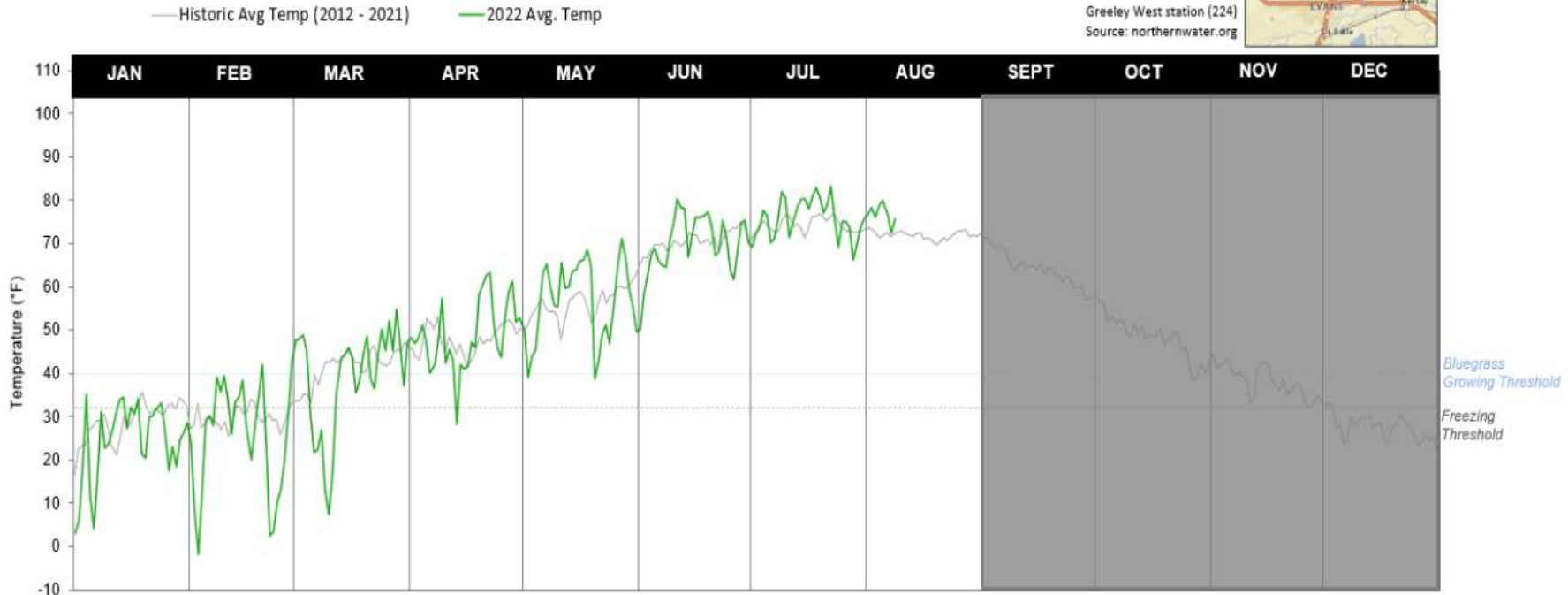


Temperature & Precipitation

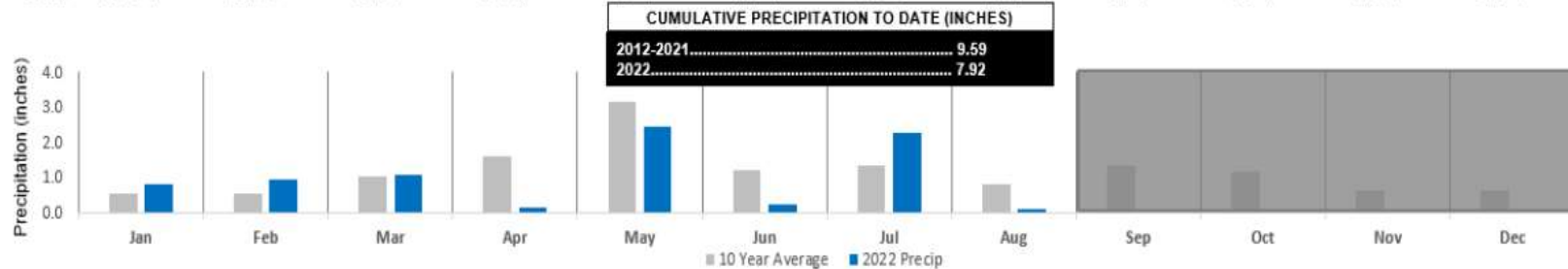
City of Greeley: Temperature (°F) and Precipitation 2012-2022



Greeley West station (224)
Source: northernwater.org



MONTHLY AVERAGE TEMPERATURE												
2012-2021	28.1° F	29.7° F	41.7° F	47.8° F	56.2° F	70.4° F	74.2° F	71.9° F	64.2° F	48.4° F	38.2° F	27.6° F
2022	23.6° F	25.3° F	38.9° F	49.0° F	56.9° F	70.0° F	75.8° F	0.0° F	0.0° F	0.0° F	0.0° F	30.0° F



2022 Snowpack Summary

SNOW WATER EQUIVALENT IN SOUTH PLATTE

Reset Range

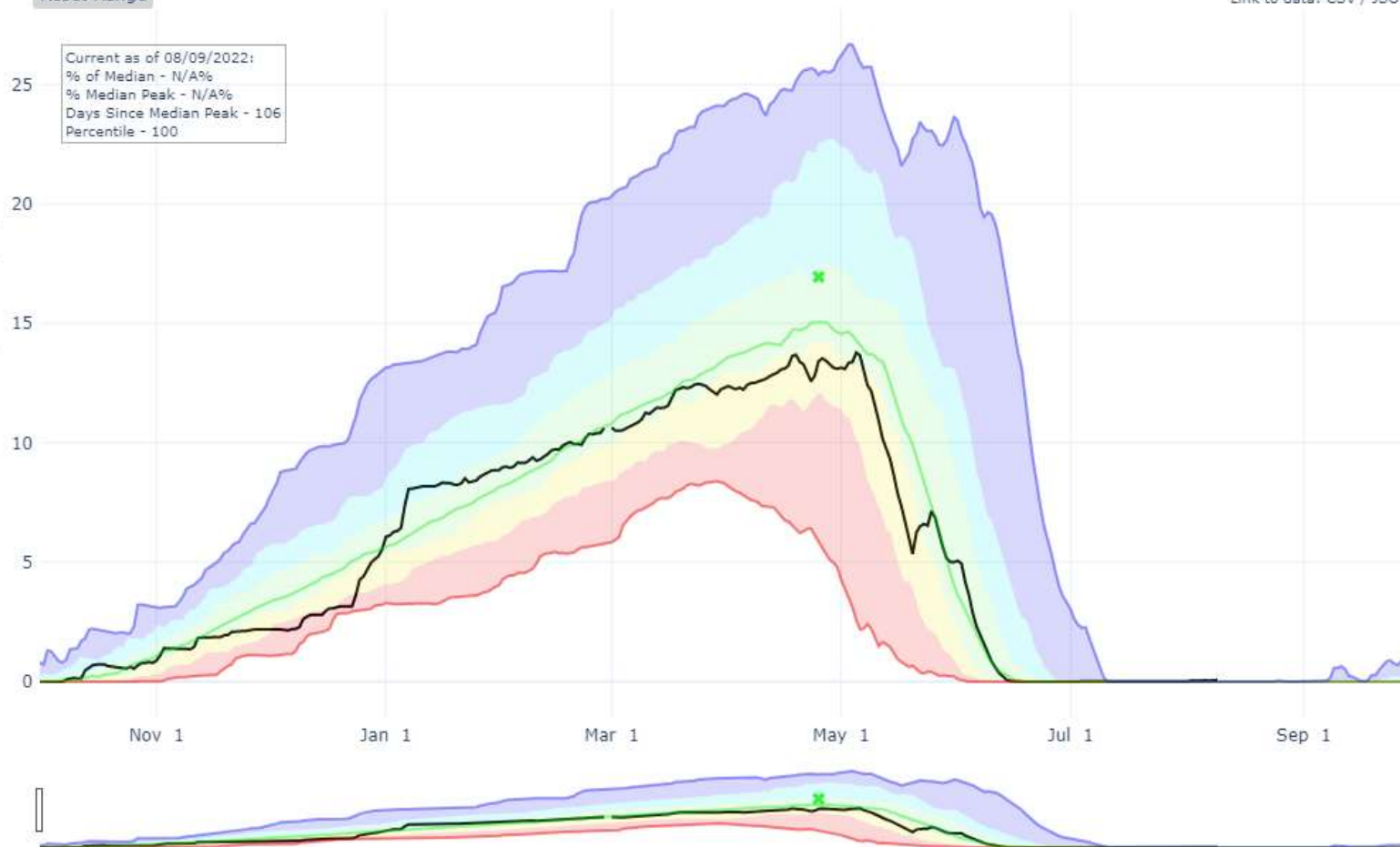
[Link to data: CSV / JSON](#)

Station List

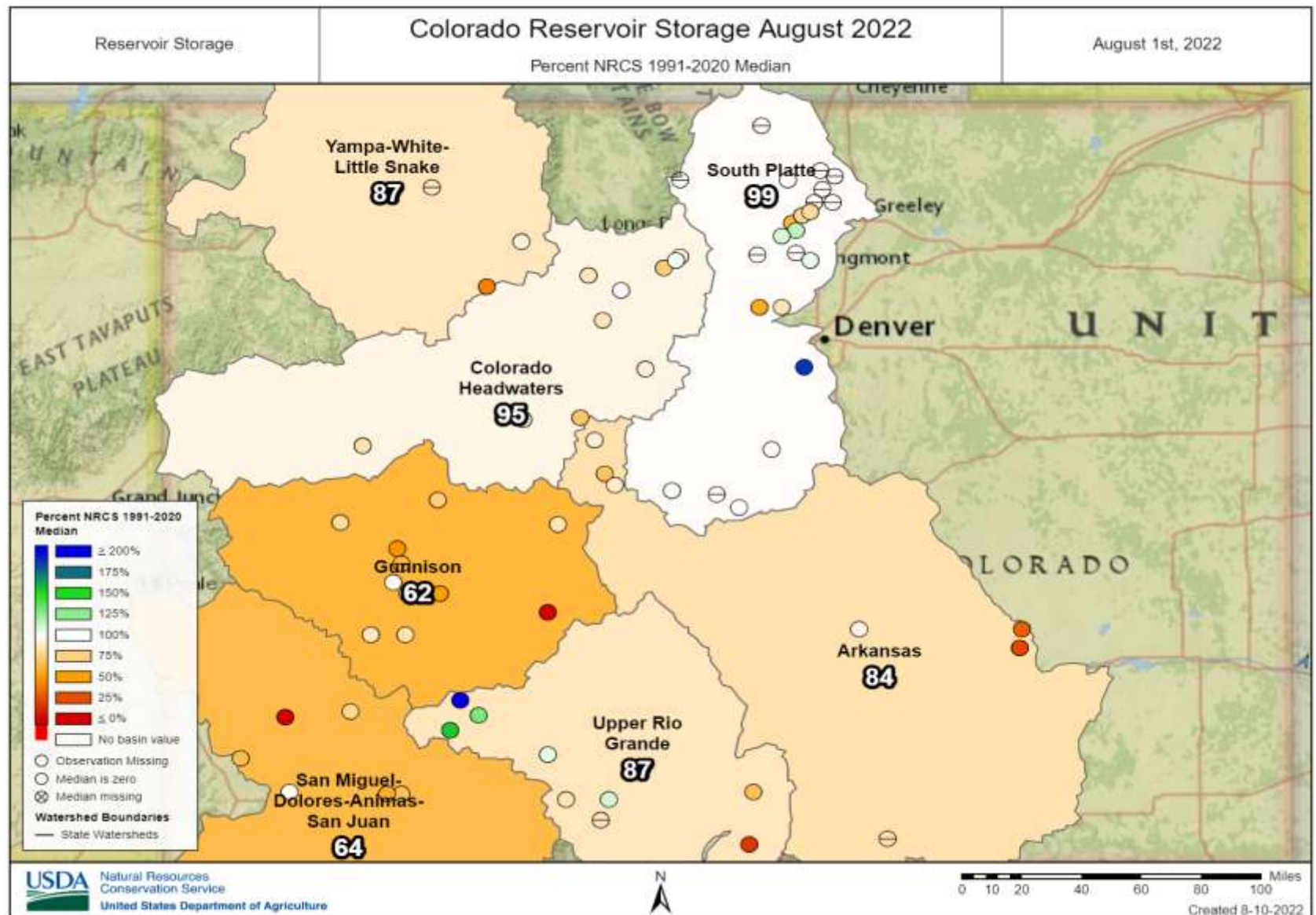
Current as of 08/09/2022:
% of Median - N/A%
% Median Peak - N/A%
Days Since Median Peak - 106
Percentile - 100

- ✱ Median Peak SWE
- Max
- Median (POR)
- Median ('91-'20)
- Min
- Stats. Shading
- 2022 (20 sites)
- 2021 (21 sites)
- 2020 (21 sites)
- 2019 (21 sites)
- 2018 (21 sites)
- 2017 (21 sites)
- 2016 (21 sites)
- 2015 (21 sites)
- 2014 (21 sites)
- 2013 (21 sites)
- 2012 (21 sites)
- 2011 (21 sites)
- 2010 (20 sites)
- 2009 (19 sites)
- 2008 (18 sites)
- 2007 (18 sites)
- 2006 (18 sites)
- 2005 (17 sites)
- 2004 (17 sites)
- 2003 (17 sites)

Snow Water Equivalent (in.)



Colorado Reservoir Storage



GLIC System Supply

Lake Loveland		Horseshoe		Boyd Lake	
GH: 32.7	8,902 AF	GH 22.6	5,496 AF	GH: 43.8	29,281 AF
70%		66%		60%	
Total in the system: 43,679 AF 63%					

- 2021 System storage: 59,428 AF
 - 86% full



Rental Summary

• C-BT	6,500 AF
• GLIC Changed	326 AF
• GLIC Unchanged	1,881 AF
• WSSC	517 AF
• NPIC	207 AF
• HMR	775 AF
• Leasebacks	
• WSSC	1,808 AF
• GLIC	2,637 AF
• L&W	2,874 AF
• New Cache	813 AF
	<hr/>
	18,338 AF



Current Target Storage (April 2022)

April 1, 2022 Storage (acre-feet)	
CBT	17,113
Windy Gap	0
GLIC	16,247
Tunnel	931
Total	34,291
Demands (April 1, 2022-March 31, 2023) (acre-feet)	
CBT	9,200
Windy Gap	3,900
GLIC	10,500
Tunnel	1,000
Total	24,600
Yields through April 2023 (acre-feet)	
CBT (Nov. 2022-April 1, 2022)	13,000
Windy Gap	4,400
GLIC	7,333
Tunnel	1,000
Total	25,733
April 2023 Storage by Source	
CBT	20,913
Windy Gap	500
GLIC	11,641
Tunnel	931
April 2023 Storage	33,985
April 2023 Storage-minus unusable (22,344
Target Storage Volume	21,300



Fire impacts & water supply

- 26 days off diversion (~644 AF)
 - Shorter duration WQ effects
- Agreement with NPIC & Northern to operate trade
 - Continues to be successful



Buckhorn Creek Flood on July 15, 2022

Moving into Fall

- “Adequate Water Year” continue
- Maintain target storage volume at 21,300 AF
- Continue to monitor fire impacts
- Northeastern Colorado is still in a drought condition, but has improved
- Drought removal is likely in the West Slope and CBT system with continued monsoon season

