

# Rialto Basin Groundwater Management Plan Update

June, 2024

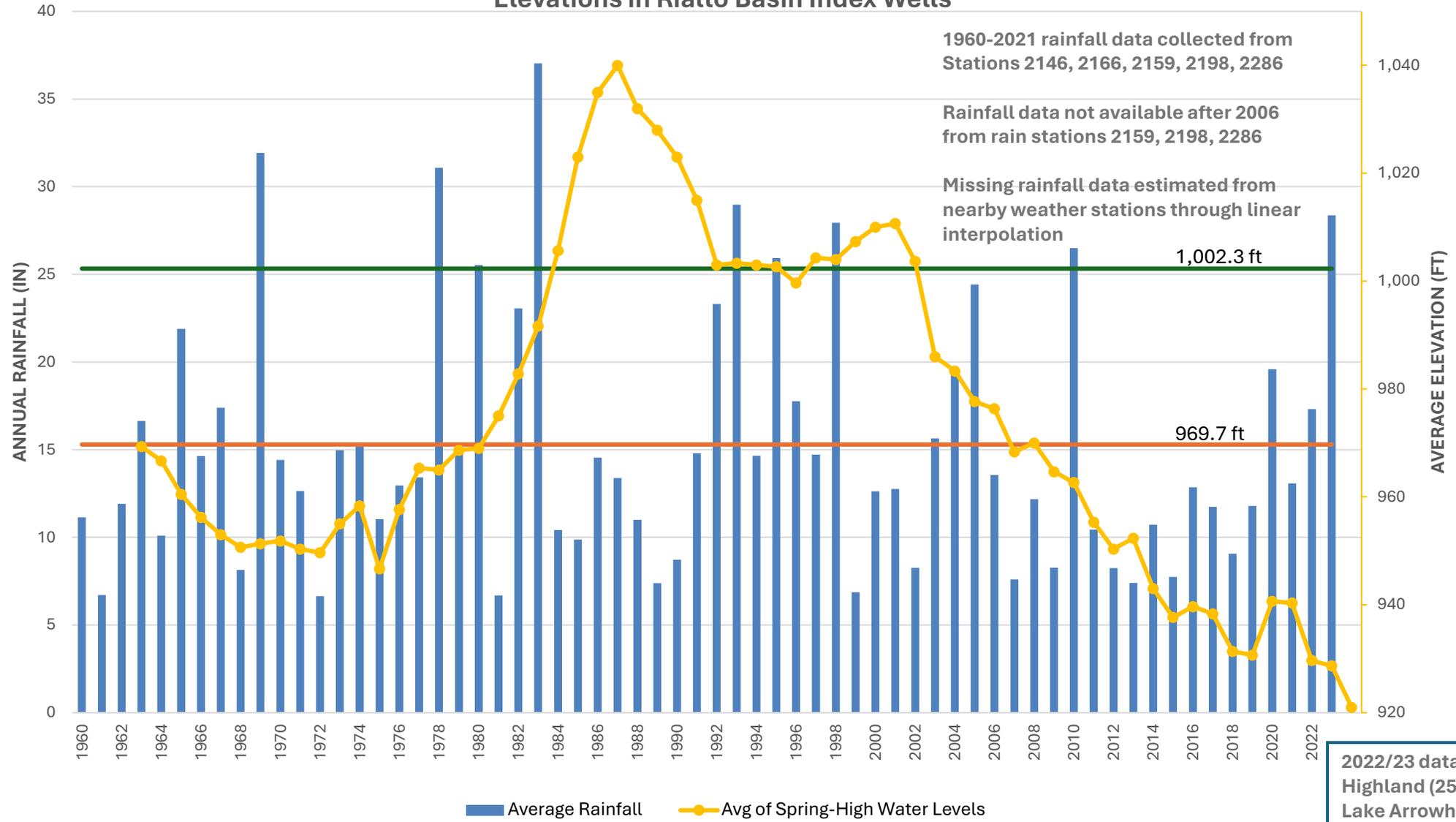
RBGC Technical  
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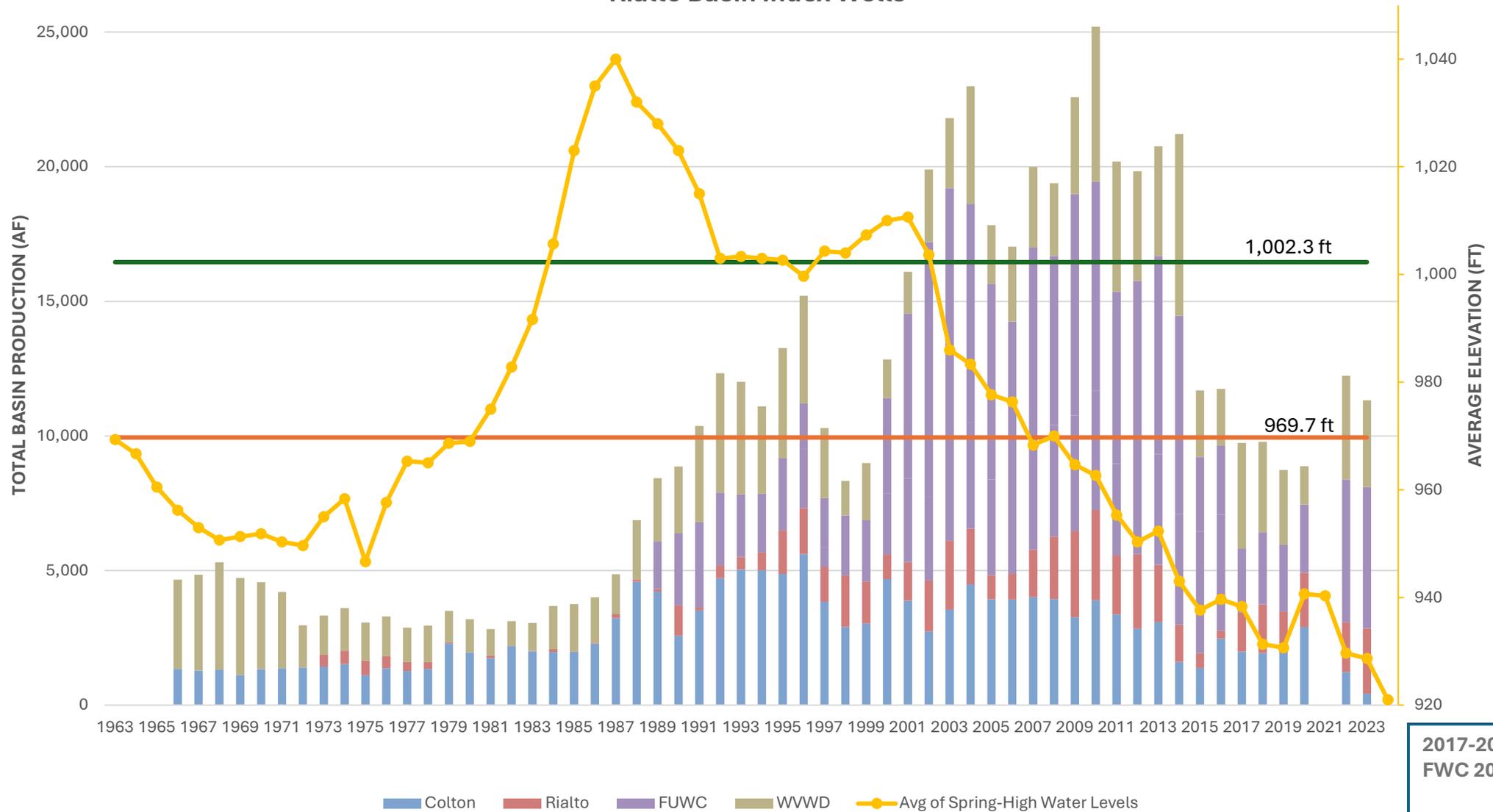
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## Historical Average Annual Rainfall in Rialto Basin and Averages of Spring-High Water Level Elevations in Rialto Basin Index Wells



## Historical Annual Rialto Basin Production and Averages of Spring-High Water Level Elevations in Rialto Basin Index Wells



**2017-2020 production from FWC 2020 UWMP**

**2022/23 annual production is for Water Year**

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# Observations

- Groundwater levels did not recover in Spring 2023 or Spring 2024 despite two years with above average rainfall
- Average rainfall
  - 1960-2023: 15 in
  - 2015-2023: 14.61 in
    - Avg. Rainfall in 2022: 17.3 in (above normal)
    - Avg. Rainfall in 2023: 28.4 in (wet)
- Average pumping
  - 1966-2023\*: 10,337 AF \* Missing pumping data for 2021
  - 2015-2023\*: 10,516 AF
    - Pumping in 2022: 12,237 AF (40% reduction – 13,498 AF)
    - Pumping in 2023: 11,325 AF (41% reduction – 13,328 AF)
- It appears it will take multiple wet years or an imported water supply to get the Rialto Basin above the minimum threshold and restore the ability to pump more water

# Pumping

- Long-term average safe yield: 11,900 AF
- Pumping Rights

Producer	Adjustable Rights	Fixed Rights	NML Adjusted Rights	Total Rights
Colton	3,010	890	0	3,900
FUWC	550	370	5,014	5,394
Rialto	2,846	1,520	0	4,366
WVWD	5,594	510	0	6,104
				19,764

- Maximum Curtailment Reduction: 50%

Producer	Annual Production Rights
Colton	2,395
FUWC	3,152
Rialto	2,943
WVWD	3,307
	11,797

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# Management Plan

- Current management follows the 1961 Decree