

Zone 7 Water Agency Preliminary 2021 Water Supply Plan

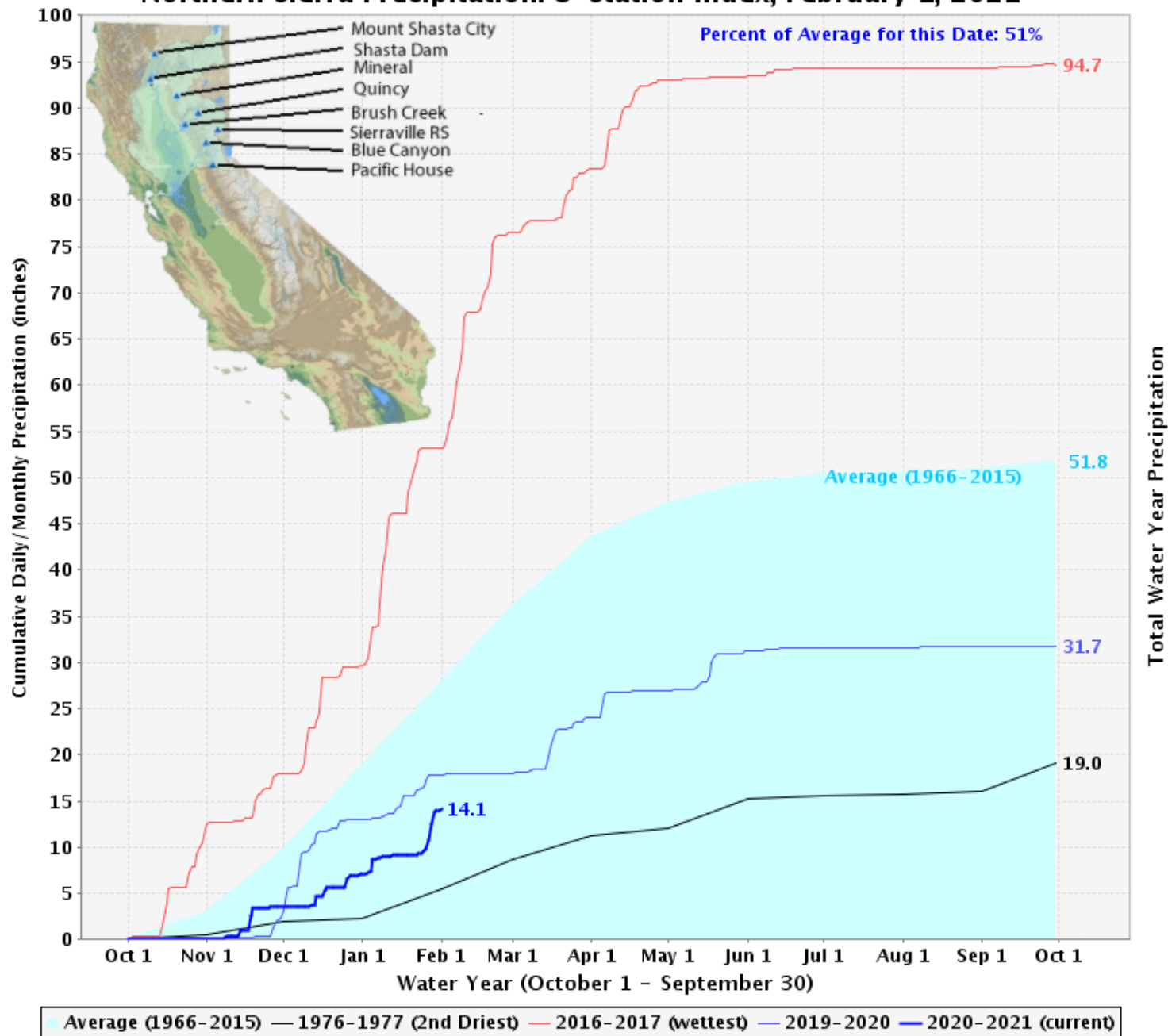


**Dublin San Ramon
Services District**

Water, wastewater, recycled water

Board Meeting February 2, 2021

Northern Sierra Precipitation: 8-Station Index, February 1, 2021



Snowpack



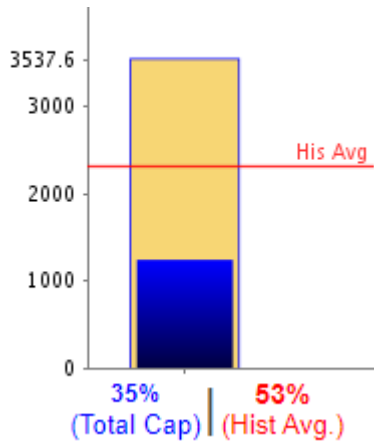
DWR staff at the January 30, 2020 snow survey at Phillips Station, CA.
DWR/2020



State Water Project (SWP)



February 1, 2021



Zone 7 Water Supplies and Storage

» Supplies

- Imported surface water from State Water Project
- Local runoff
- Water transfers and exchanges

» Storage

- Local Main Groundwater Basin
- Non-local groundwater storage
- Chain of Lakes

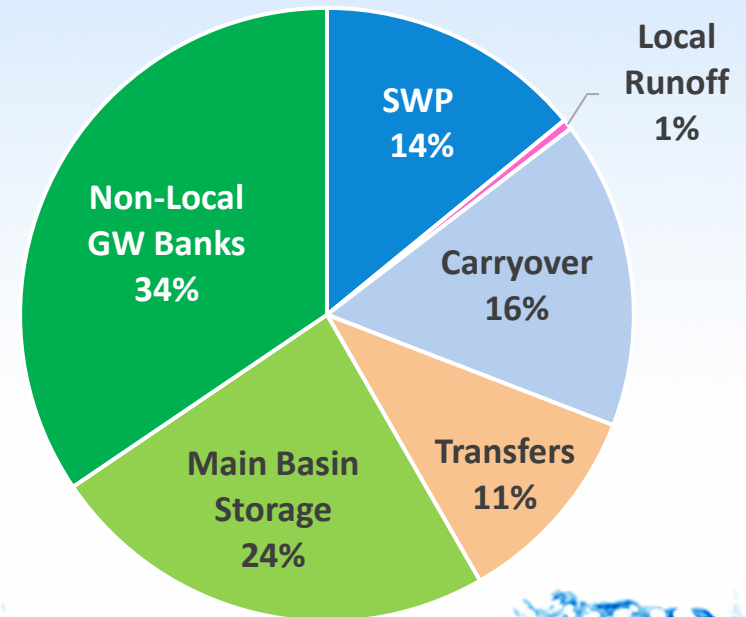


2021 Preliminary Water Supply Plan

Zone 7 anticipates being able to meet demands with 10% SWP Allocation

	Source	10% SWP Allocation	30% SWP Allocation	2020 Est. (20% Alloc.)
		Annual Amt	Annual Amt	Annual Amt
Available Supply	State Water Project - (Table A)	8,100	24,200	16,100
	State Water Project - Carryover (2020 to 2021)	9,000	9,000	10,800
	Yuba Transfer ¹	3,000	2,000	3,000
	Lake Del Valle Local Yield - 2020 Carryover	0	0	8,100
	Other Water Transfers ¹	3,000	5,000	5,000
	Groundwater Production ²	13,000	12,000	12,000
	Groundwater Production (Disposal to brine)	200	500	400
	Semitropic-(Pumpback)	9,100	2,400	1,000
	Semitropic-(Exchange)	0	1,600	0
	Cawelo	10,000	0	0
	Lake Del Valle Local Yield - 2021 Capture	300	700	600
Total		55,700	57,400	57,000

	Water Use	10% SWP Allocation	30% SWP Allocation	2020 Est. (20% Alloc.)
		Annual Amt	Annual Amt	2020
Planned Usage	Treated Water Delivery Request	42,600	42,600	42,000
	Treated Water (Projected Delivery) ³	39,000	40,000	38,800
	Agricultural	5,200	5,500	5,800
	Arroyo Valle Artificial Stream Recharge	0	0	1,400
	Arroyo Valle Shadow Cliffs Diversion	0	0	0
	Arroyo Mocho Artificial Stream Recharge	0	0	0
	Groundwater Production (Disposal to brine)	200	500	400
	Cawelo Storage ⁴	0	0	0
	Semitropic Storage ⁴	0	0	0
	Local Water Carryover	0	0	0
	State Water Project Carryover (2021 to 2022)	10,000	10,000	9,000
	Transfer Water Carriage Water Loss	900	600	900
	Unaccounted For Water (System Losses)	400	400	400
	Lake Del Valle Evaporation Losses	0	400	300
	Total		55,700	57,400



Footnotes: ¹ Yuba and non-SWP transfers are subject to carriage losses of 25% to 35% which reduce net yield.

² Local Groundwater non-emergency storage is 115 TAF

³ Zone 7 adjusts the Treated Water Delivery Request to reflect hydrology and recent trends.

Under 10% allocation, 10% conservation is assumed and under 30% allocation, 5% based on delivery request.

⁴ Kern Banks Groundwater Storage Bal is 116 TAF (Jan 2021)

Next Steps

- March • Demand and Water Supply Study Session
- April • 2021 Alternative Water Supply Study
• Review of DSRSD Water Supply Reliability Policy
- May • Zone 7 Annual Water Supply Sustainability Report
- June • Adoption of Urban Water Management Plan





Questions?