



## Real-Time Spatial Estimates of Snow-Water Equivalent (SWE) Sierra Nevada Mountains, California February 15, 2026

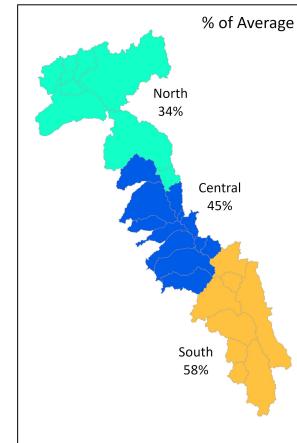
**Team:** Emma Tyrrell<sup>1</sup>, Leanne Lestak<sup>1</sup>, Eric Gosnell<sup>1</sup>, and Noah Molotch<sup>1,2</sup>

**Contributors:** Karl Rittger<sup>1</sup>, and Kehan Yang<sup>1</sup>

<sup>1</sup> Institute of Arctic and Alpine Research, University of Colorado Boulder

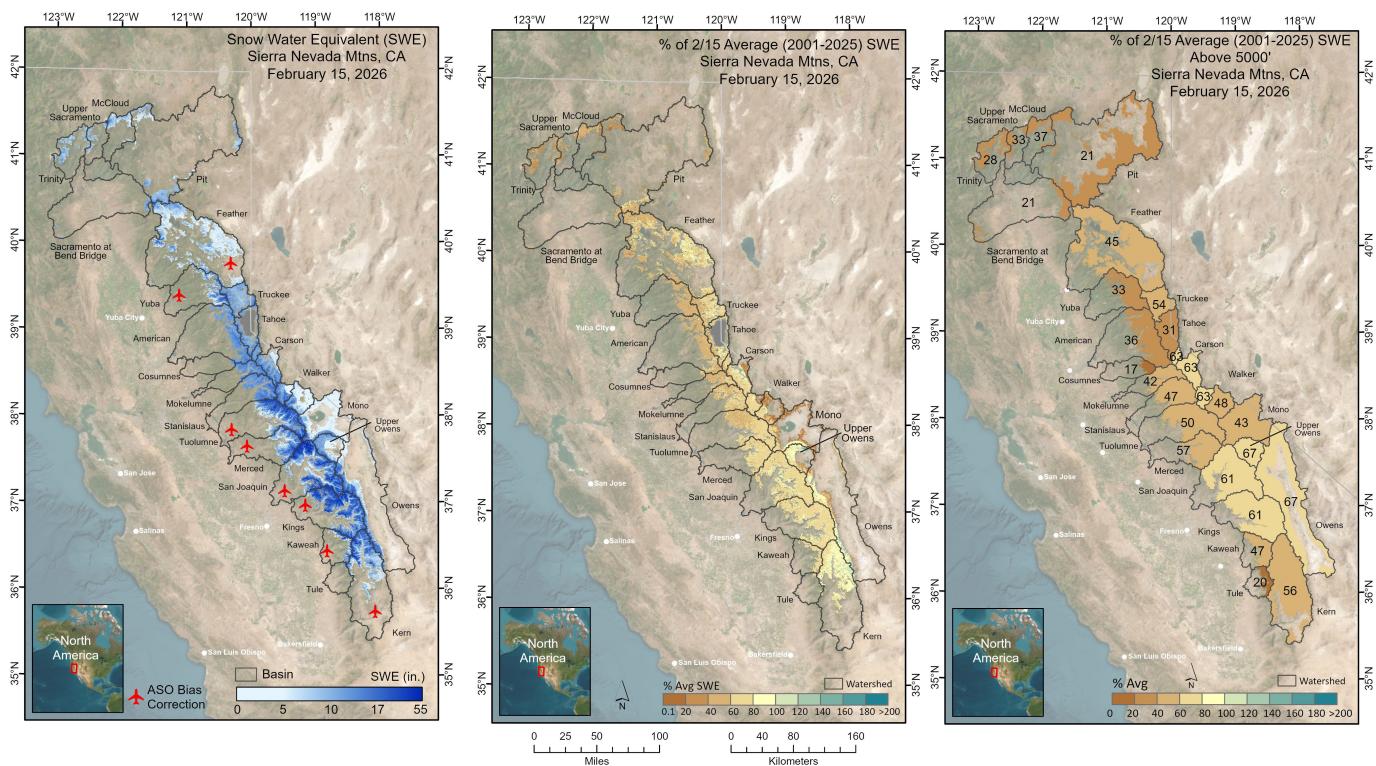
<sup>2</sup> Jet Propulsion Laboratory, California Institute of Technology

Contact: [Emma.Tyrrell@colorado.edu](mailto:Emma.Tyrrell@colorado.edu)



### Summary of current conditions

The regional summary map above shows the mean SWE above 5000' elevation for three major regions of the Sierra Nevada, percent of average is calculated from a long-term average of 2001-2025. Detailed SWE maps (in JPG format) and summaries of SWE (in Excel format) by individual basin and elevation band accompany the report and are publicly available on our website [here](#).



**Figure 1. Estimated SWE and % of Average SWE across the Sierra Nevada, Current Report.** SWE amounts with red airplane markers indicating upper basin areas where the model was bias-corrected by Airborne Snow Observatories data (left), and percent of average (2001-2025) SWE for the Sierra Nevada, calculated for each pixel (middle) and basin-wide (right). Basin-wide percent of average is calculated across all model pixels >5000' elevation.

### Location of Reports and Excel Format Tables

<https://github.com/CU-Mountain-Hydrology/SierraNevada>

## **About this report**

This is an experimental research product that provides near-real-time estimates of snow-water equivalent (SWE) at a spatial resolution of 500 meters for the Sierra Nevada in California from mid-winter through the melt season. The report is typically released within a week of the date of data acquisition at the top of the report. A similar report covering the entire Western United States is available and is distributed to water managers across the Western U.S.

The spatial SWE-fusion analysis method for the Sierra Nevada uses the following data as inputs:

- In-situ SWE from all operational CA and NV snow pillow sensor sites and CoCoRaHS SWE values when available and applicable
- Fractional snow-covered area (fSCA) data from recent cloud-free satellite images or model
- Physiographic information (elevation, latitude, upwind mountain barriers, slope, etc.)
- Historical daily SWE patterns (1985-2021) retrospectively generated using historical fSCA data and an energy-balance model that back-calculates SWE given the fSCA time-series and meltout date for each pixel
- Satellite-observed daily mean fractional snow-covered area (DMFSCA)

For more details on the estimation method see the *Methods* section below. Please be sure to read the *Data Issues / Caveats* section for a discussion of persistent challenges or uncertainties of the SWE product.

## **Data availability in this report**

There are a total of 131 snow pillow sites in the Sierra Nevada network that are used by the SWE-fusion model and when applicable there are typically 10-20 CoCoRaHS measurements that can be used. Sites that are recording SWE, offline sites, sites recording zero, and CoCoRaHS measurements are shown in Figure 7, on the left map (shown in black, red, yellow, and green respectively).

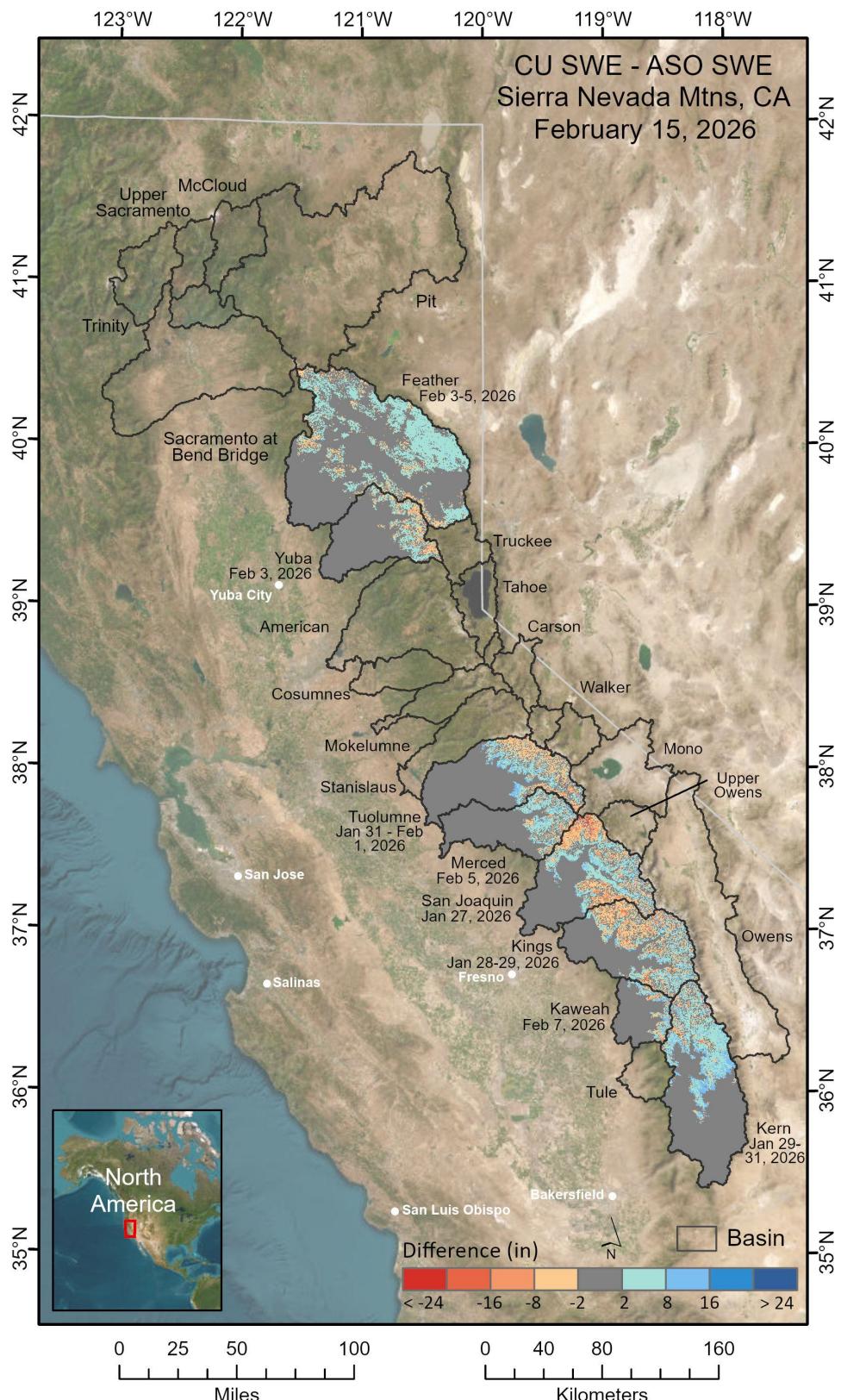
## **The value of spatially explicit estimates of SWE**

Snowmelt makes up the large majority (~60-85%) of the annual streamflow in the Sierra Nevada. The spatial distribution of snow-water equivalent (SWE) across the landscape is complex. While broad aspects of this spatial pattern (e.g., more SWE at higher elevations and on north-facing exposures) are fairly consistent, the details vary a lot from year to year, influencing the magnitude and timing of snowmelt-driven runoff.

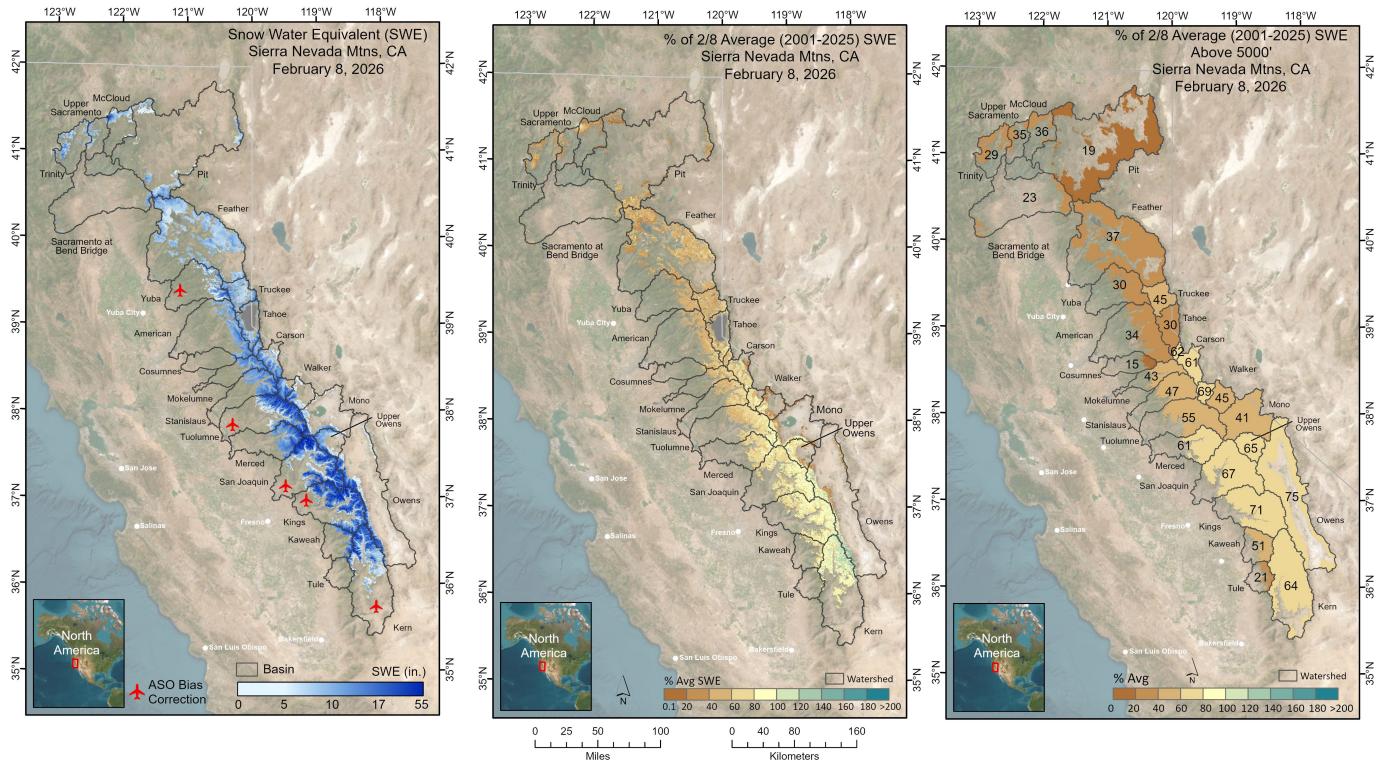
SWE is operationally monitored at more than 130 snow pillow sensor sites spread across the Sierra Nevada, providing a critical first-order snapshot of conditions, and the basis for runoff forecasts from the CA DWR, NRCS, and NOAA. However, conditions at snow pillow sites (e.g., percent of normal SWE) may not be representative of conditions in the large areas between these point measurements, and at elevations above and below the range of the sensor sites. The spatial snow analysis creates a detailed picture of the spatial pattern of SWE using snow sensors, satellite, and other data, extending beyond the snow sensor sites to unmonitored areas.

## **Interpreting the spatial SWE estimates in the context of snow pillows**

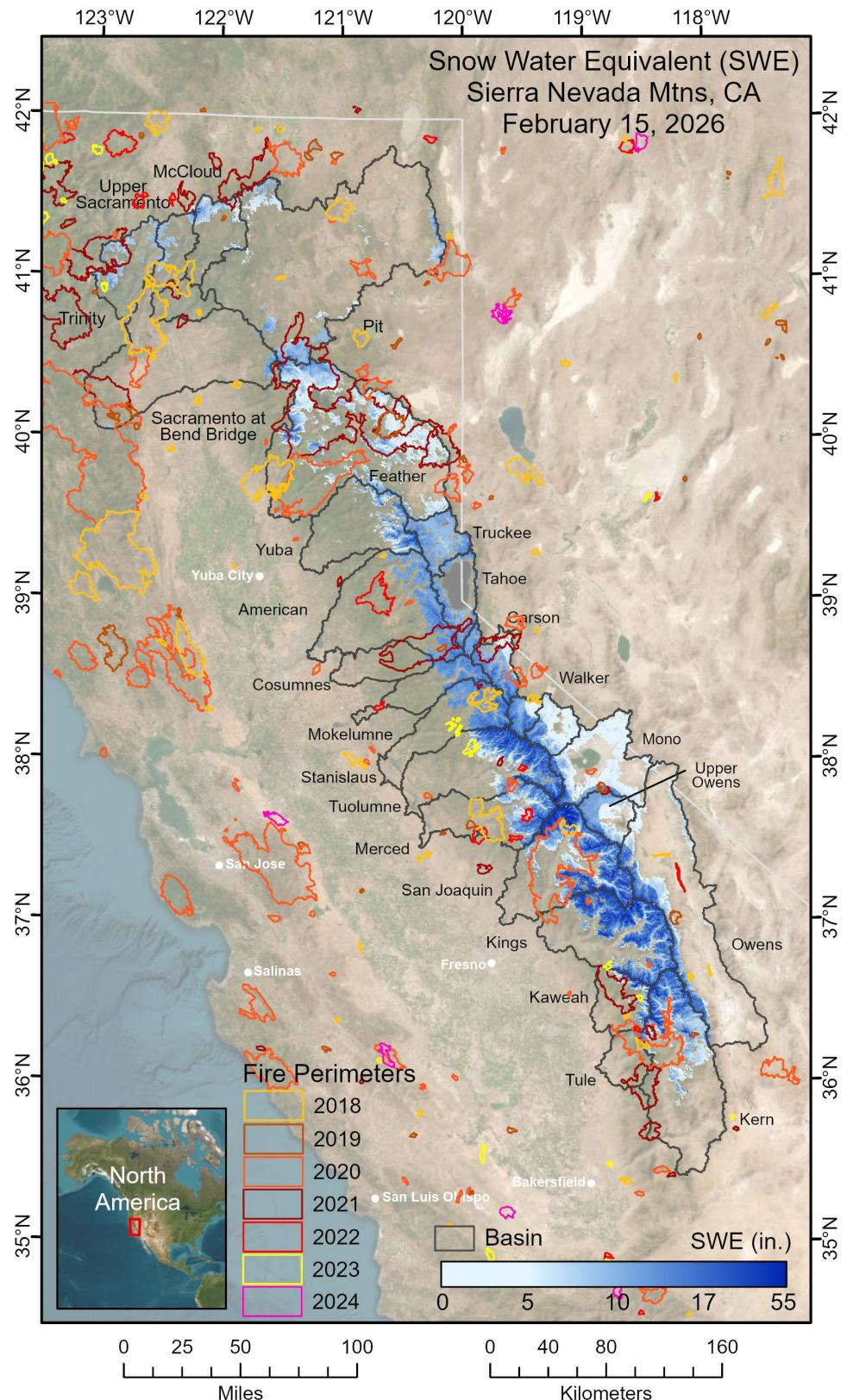
The spatial product estimates SWE for every pixel where the fSCA product identifies snow-cover. Comparatively, snow sensor samples 8-20 points per basin within a narrower elevation range. Thus, the basin-wide percent of average from the spatial SWE estimates is not directly comparable with the snow sensor basin-wide percent of average. A better comparison might be made with the percent of average in the elevation bands (Table 2) that contain snow sensor sites.



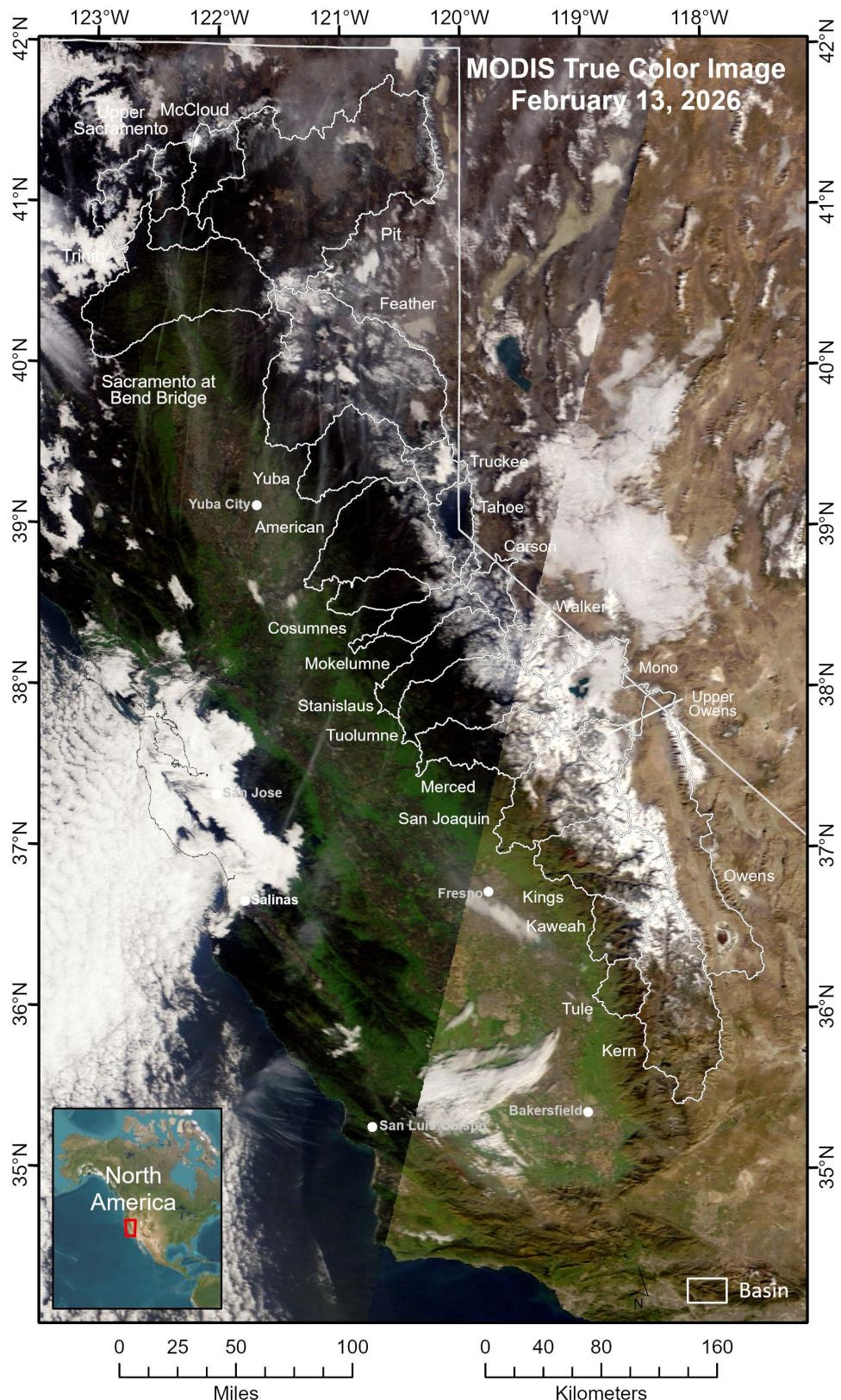
**Figure 2. Comparison to ASO, Sierra Nevada.** The difference in SWE amounts between the CU SWE-fusion model runs and Airborne Snow Observatories (ASO) lidar-derived SWE are shown for available basins flown this year. The date referenced to each basin, corresponds to the most recent ASO flight date where data has been released and is then compared to the CU SWE-fusion model run is that closest to the ASO flight date. Red colors show where CU SWE is lower than ASO SWE and blue colors show where CU SWE is higher than ASO SWE. This map will be updated as new ASO data becomes available. ASO data from current and sometimes past years are used to bias-correct our model data.



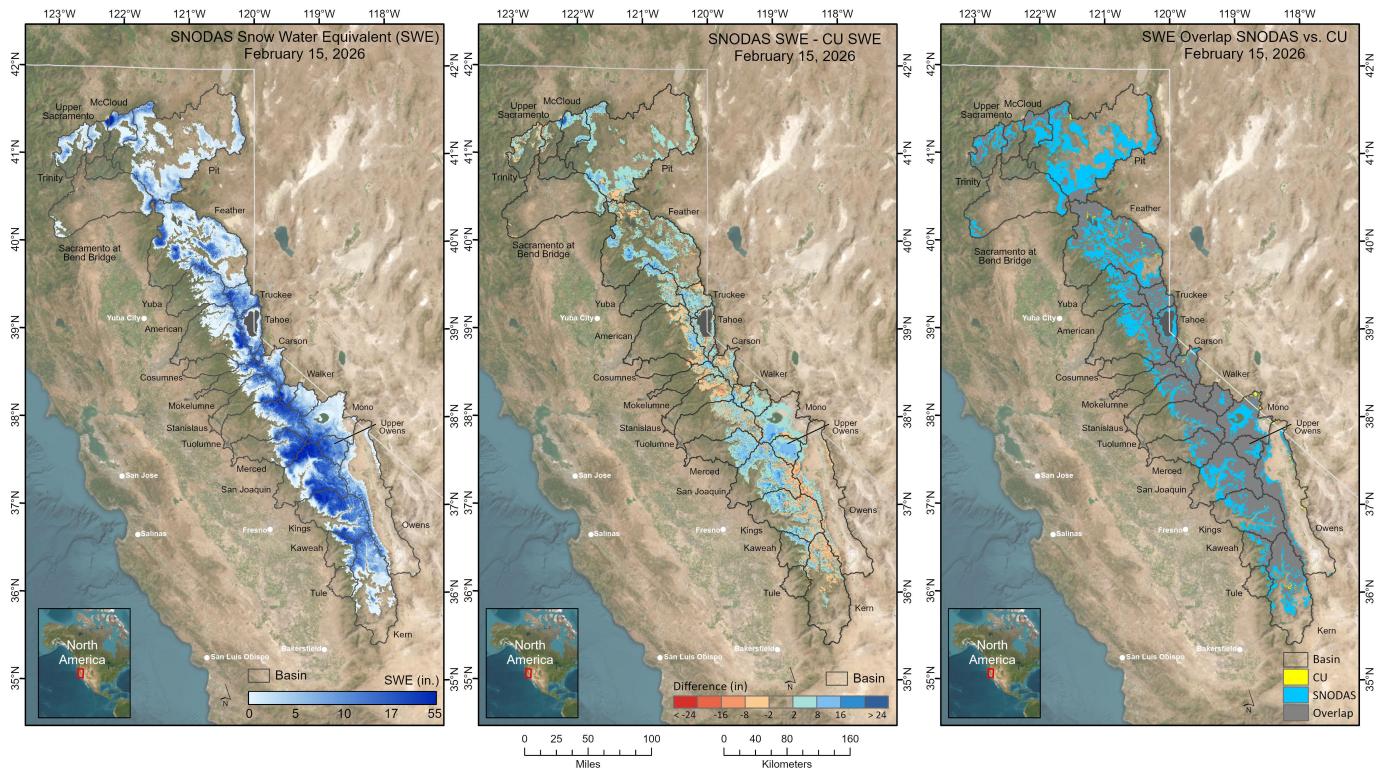
**Figure 3. Estimated SWE and % of Average SWE across the Sierra Nevada, Past Report.** SWE amounts (left), and percent of average (2001-2025) SWE for the Sierra Nevada, calculated for each pixel (middle) and basin-wide (right). Basin-wide percent of average is calculated across all model pixels >5000' elevation for the previous report.



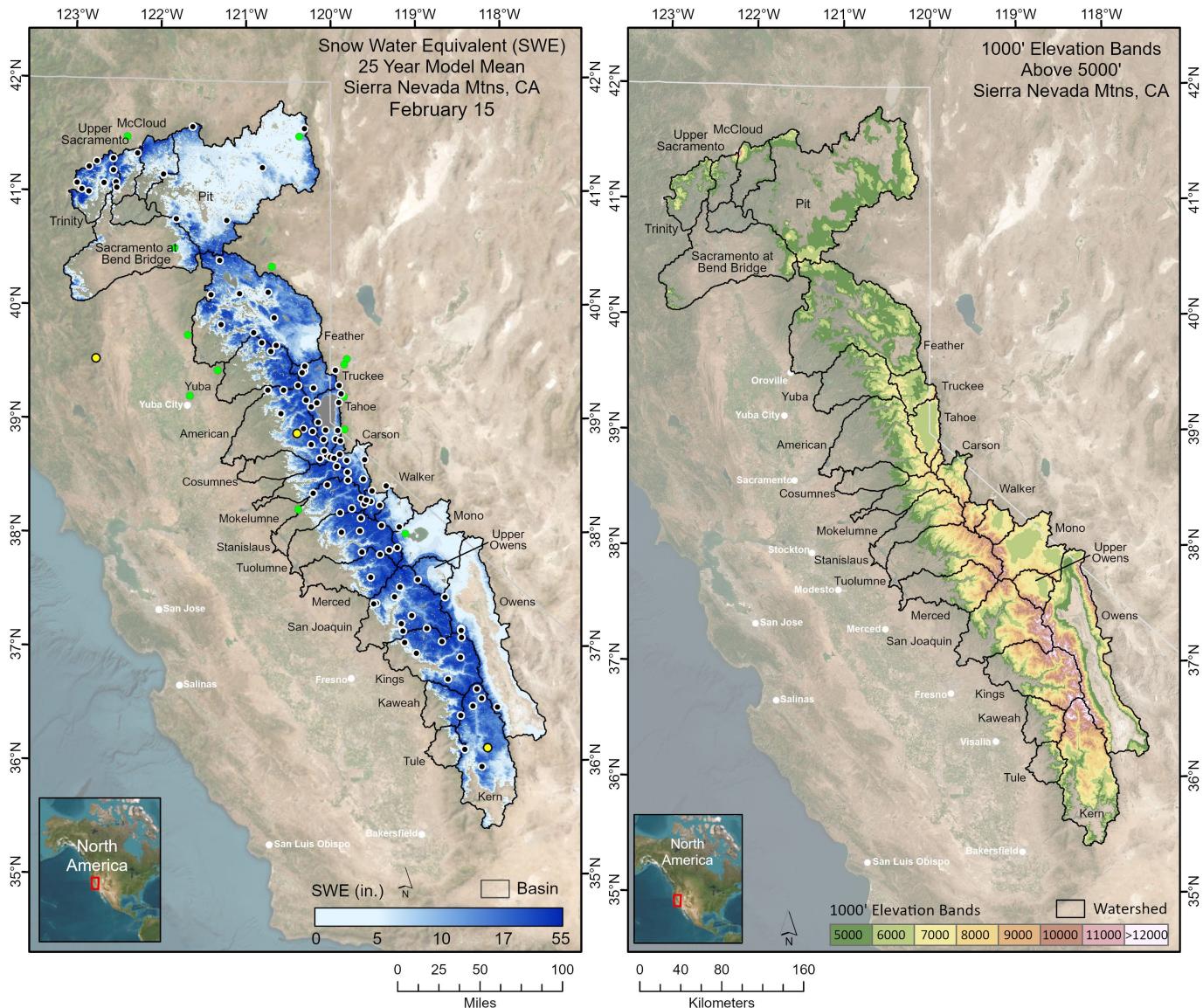
**Figure 4. Estimated SWE with Fire Perimeters, Sierra Nevada.** SWE amounts are shown with fire perimeters from 2018-2024 (colored from yellow to red, and magenta for the most recent).



**Figure 5. MODIS image, Sierra Nevada.** The most recent cloud-free true-color MODIS image, showing the Sierra Nevada as close to the model run as possible. Model input fractional snow-covered area (fSCA) was derived from the MODIS Snow Today product (Rittger, et al. 2019) which was calculated using the SPIRES algorithm (Bair, et al. 2021) and from the MODIS cloud-gap-filled product (Hall, et al. 2019).



**Figure 6. Comparison of CU regression SWE product and SNODAS SWE for the Sierra Nevada.** The map on the left shows estimated SWE from the NOAA National Weather Service's National Operational Hydrologic Remote Sensing Center (NOHRSC) SNOW Data Assimilation System (SNODAS). The middle map shows the difference between the SNODAS SWE estimate and CU SWE-fusion estimate. Red pixels denote areas where SNODAS SWE is less than CU SWE and blue pixels show areas where SNODAS SWE is higher than CU SWE. The map on the right shows the snow-cover extent of SNODAS and CU SWE estimates. Yellow pixels show where the location of CU snow extends beyond the location of the SNODAS snow extent. Blue pixels show where the SNODAS snow extends beyond the CU snow extent. Gray areas indicate regions where both products agree on the snow-cover extent.



**Figure 7. Historical average CU SWE and Elevation Bands for the Sierra Nevada.** Long-term (2001-2025) average CU SWE (left), and the Banded Elevation map (right) identifies basins used in this report (black boundaries) and 1000' elevation bands (colored shading) that match those used in (Table 1) and (Table 2). Map on left shows snow pillow sensor sites recording SWE (black), sites that were offline are shown in red, and sites recording zero are shown in yellow. CoCoRaHS observations if applicable are shown in green and zero values are shown in yellow.

## Methods

The spatial SWE-fusion estimation method is described in Yang, et al. (2022) and Schneider and Molotch (2016). The method uses a generalized linear regression in which the dependent variable is derived from the operationally measured in situ SWE from all online snow pillow sensor sites in the domain. The gridded model output is then scaled by the fractional snow-covered area (fSCA). The fSCA is a combination of a near-real-time gap-filled and cloud-free MODIS satellite image which has been processed using the Snow Today algorithm (Rittger, et al. 2019, <https://nsidc.org/snow-today>), the SPIReS algorithm (Bair, et al. 2021), and the MODIS cloud-gap-filled algorithm (Hall, et al. 2019).

The following independent variables (predictors) enter into the generalized linear regression model:

- Physiographic variables that affect snow accumulation, melt, and redistribution, including elevation, latitude, upwind mountain barriers, slope, and others. See Table 1 in Yang, et al. (2022) for the full set of these variables.
- The historical daily SWE pattern (1985-2021) retrospectively generated using historical Landsat data, and an energy

balance model that back-calculates SWE given the fractional snow-covered area (fSCA) time series and meltout date for each pixel. See Fang, et. al., (2022) for details. (For computational efficiency, only one image during the 1985-2021 period that best matches the real-time snow pillow-observed pattern is selected as an independent variable.)

The real-time regression SWE-fusion model for this date has been validated by cross-validation, whereby 10% of the snow pillow data are randomly removed and the model prediction is compared to the measured value at the removed snow pillow stations. This is repeated 12 times to obtain an average  $R^2$  value, which denotes how closely the model fits the snow pillow data. During development of this regression method, the model was also validated against independent historical SWE data collected in snow surveys at 9 locations in Colorado, and an intensive field survey in north-central Colorado. Data utilized to generate this report change to optimize model performance. To maintain consistency across the historical record, the percent of average values are based on our baseline algorithm and therefore there can be discrepancies between absolute SWE values and corresponding percent of averages.

#### ***List of All Known Data Issues/Caveats – any of these could apply to this model run***

- SATELLITE FSCA – Recent snowpack accumulation may be under-estimated due to issues with satellite-observed fSCA.
- NEW AVERAGE CALCULATIONS – Average calculations are based on 2001-2025 model values, which includes both drought years (2012-2016) and the 2023 record snow year. This can impact our percent of averages in comparison to other products.
- RECENT SNOWFALL – There are occasionally problems with lower-elevation SWE estimates due to recent snowfall events that result in extensive snow-cover extending to valley locations where measurements are not available. This scenario results in an over-estimation of lower-elevation SWE.
- LIMITED SNOW PILLOW DATA – When snow at the snow pillow sites melts out, but remains at higher elevations, the model tends to underestimate SWE at the under-monitored upper elevations. This issue typically occurs late in the melt season, resulting in less accurate SWE prediction at higher elevations compared to earlier in the snow season.
- CLOUD COVER – Cloud cover can obscure satellite measurements of snow-cover. While careful checks are made, occasionally the misclassification of clouds as snow or vice versa may result in the mischaracterization of SWE or bare ground.
- POOR QUALITY SNOW SENSOR DATA – Although data QA/QC is performed, occasional sensor malfunction may result in localized SWE errors.
- ANOMALOUS SNOW PATTERNS – Anomalous snow years or snow distributions may cause SWE error due to the model design to search for similar SWE distributions from previous years. If no close seasonal analogue exists, the model is forced to find the most similar year, which may result in error.
- DENSE FOREST COVER – Dense forest cover at lower elevations where snow-cover is discontinuous can cause the satellite to underestimate the snow-cover extent, leading to underestimation of SWE.
- MISSING SWE VALUES – Data omitted due to inconsistencies with independent SWE estimates.
- PERCENT OF AVERAGE CALCULATIONS – Data utilized to generate this report change to optimize model performance. To maintain consistency across the historical record, the percent of average values are based on our baseline algorithm and therefore there can be discrepancies between absolute SWE values and corresponding percent of averages.
- MODELING METHODS – We work to generate the best SWE estimates for each reporting date. Our methods can change from one report to another. Sometimes data changes between reports is an artifact of method changes.

**Table 1. Estimated SWE by basin.** The basin-wide SWE values and averages, are across all pixels at elevations >5000'. Shown are percent of current average SWE (between 2001-2025 as derived from the regression model), mean SWE, percent of snow-covered area, water volume (acre-feet), the area ( $\text{mi}^2$ ) inside each basin that contains data pixels (not including cloud-covered pixels, lakes or other satellite no data pixels), survey data, and snow pillow data, for those areas collected, summarized for each basin. The last column shows mean SWE by basin from SNODAS\*.

Sierra Nevada SWE Report for 2/15/2026											
Basin	% of Average SWE (in)						Pillows		SNODAS* (in)		
	2/8	2/15	2/8	2/15	SCA Vol. (AF)‡	Area ( $\text{mi}^2$ )	2/8	2/15	2/15	2/15	
0. Trinity	29	28	4.7	4.3	57.1	73,077	321.4	4.1 (7)	4.3 (7)	4.1	
1. Upper Sacramento	35	33	5.5	4.8	61.9	29,263	115.2	7.9 (2)	8.1 (2)	7.3	
2. McCloud	36	37	4.8	4.5	70.9	39,749	164.9	9.6 (1)	10.6 (1)	12.7	
3. Pit	19	21	1.1	1.2	16.6	135,577	2,086.20	6.5 (5)	7.7 (5)	3.1	
4. Sacramento at Bend Bridge	23	21	2.1	2	21.4	25,938	240	NA	NA	4.5	
5. Feather§	37	45	4	2.6	56.2	298,999	2,117.50	8.7 (7)	8.6 (7)	5.1	
6. Yuba§	30	33	3.8	4.1	46.5	116,312	525.6	11.7 (4)	13.2 (4)	6.4	
7. American	34	36	4.8	5.4	46.9	230,531	807	7.7 (13)	9.1 (12)	5.6	
8. Cosumnes	15	17	1.3	1.6	15	7,848	91.9	NA	NA	1.2	
9. Mokelumne	43	42	5.9	6.2	49.8	104,579	317.9	11.1 (3)	12.1 (3)	6.7	
10. Stanislaus	47	47	6.6	6.9	53.4	208,570	562.9	13.8 (4)	14.7 (4)	6.4	
11. Tuolumne§	55	50	8.1	7.6	52.8	370,882	915	9.5 (8)	11.4 (7)	8.6	
12. Merced§	61	57	8.1	6.4	59.2	182,730	539.4	16.6 (2)	17.5 (2)	11.8	
13. San Joaquin§	67	61	9.5	8.9	63.3	581,118	1,225.40	9.5 (7)	10.8 (7)	12.4	
14. Kings§	71	61	9.7	9	55.8	585,211	1,213.40	15.2 (7)	15.6 (7)	10.8	
15. Kaweah§	51	47	5.1	3.7	31.4	62,863	314.4	11.4 (1)	12.1 (1)	6.1	
16. Tule	21	20	1	1	7.3	7,526	137.6	1.7 (1)	1.4 (1)	0.8	
17. Kern§	64	56	3.9	3.5	30.6	318,516	1,682.80	10.9 (5)	11.5 (5)	3.3	

\* This is a comparison to the SNODAS (SNOW Data Assimilation System) nationwide product from the National Weather Service.

‡ For volume totals above Shasta Lake add Upper Sac, McCloud and Pit volumes. For volume totals above Bend Bridge add Upper Sac, McCloud, Pit and Sac at Bend Bridge volumes.

§ Data in all ASO-collected basins have been bias-corrected using ASO data and therefore the SWE changes might not represent snowmelt/accumulation but rather an update to the SWE estimates based on airborne data.

Sierra Nevada SWE Report for 2/15/2026

Basin	% of Average SWE (in)						Pillows		SNODAS* (in)	
	2/8	2/15	2/8	2/15	SCA Vol. (AF)‡	Area (mi <sup>2</sup> )	2/8	2/15	2/15	2/15
18. Truckee	45	54	6.1	7.2	74.6	163,648	425.4	9.2 (6)	9.8 (6)	9.9
19. Tahoe	30	31	3.9	4.1	37.2	112,223	508.3	8.8 (7)	9.4 (7)	8.1
20. W Carson	62	63	9.5	9.8	87.8	34,189	65.3	12.3 (3)	13.1 (3)	12.2
21. E Carson	61	63	6.4	6.9	67.1	131,628	355.2	7.2 (4)	7.7 (4)	7.5
22. W Walker	69	63	9.5	9.2	83.5	88,228	179.8	12.8 (4)	13.3 (4)	11.8
23. E Walker	45	48	3	3.9	83.6	73,471	356.3	9.9 (1)	10.7 (1)	6.4
24. Mono	41	43	1.6	2.1	60.2	122,385	1,085.80	NA	NA	5.2
25. Upper Owens	65	67	5	5.3	80.3	107,714	382.7	19.5 (1)	21.2 (1)	11.7
26. Owens	75	67	2.7	2.6	26.1	249,148	1,772.90	8.9 (4)	9.5 (4)	2.3

\* This is a comparison to the SNODAS (SNOw Data Assimilation System) nationwide product from the National Weather Service.

‡ For volume totals above Shasta Lake add Upper Sac, McCloud and Pit volumes. For volume totals above Bend Bridge add Upper Sac, McCloud, Pit and Sac at Bend Bridge volumes.

§ Data in all ASO-collected basins have been bias-corrected using ASO data and therefore the SWE changes might not represent snowmelt/accumulation but rather an update to the SWE estimates based on airborne data.

**Table 2. Estimated SWE by basin and elevation band.** The basin-wide SWE values and averages, are across all pixels at elevations >5000'. Elevation bands begin at 5000' and extend past the highest point in the basin. Note that the area of the highest 2-5 bands is typically much smaller than the lower bands. Shown are percent of current average SWE (between 2001-2025 as derived from the regression model), mean SWE, percent of snow-covered area, water volume (acre-feet), the area ( $\text{mi}^2$ ) inside each basin that contains data pixels (not including cloud-covered pixels, lakes or other satellite no data pixels), survey data, and snow pillow data, for those areas collected, summarized for each 1000' elevation band inside each basin. The last column shows mean SWE from SNODAS\*.

Elevation Banded SWE Report for 2/15/2026												
Basin	Elevation Band	% of Average SWE (in)						Pillows		SNODAS* (in)		
		2/8	2/15	2/8	2/15	SCA	Vol. (AF)‡	Area ( $\text{mi}^2$ )	2/8	2/15	2/15	
0. Trinity	5,000-6,000'	13	15	1.7	1.8	30.9	14,456	152.3	1.5 (2)	1.4 (2)	3.4	
	6,000-7,000'	36	35	6.4	5.8	78.4	41,469	133	5.1 (5)	5.4 (5)	4.7	
	7,000-8,000'	49	40	10.5	8.8	89.3	16,502	35.1	NA	NA	5.0	
	8,000-9,000'	64	48	15.5	12.6	82.1	650	1	NA	NA	5.7	
1. Upper Sacramento	5,000-6,000'	23	24	3.1	2.9	45.9	9,769	64.1	2.8 (1)	2.6 (1)	4.5	
	6,000-7,000'	39	38	6.8	6	79	11,624	36.2	13.0 (1)	13.6 (1)	6.7	
	7,000-8,000'	49	43	9.5	7.8	88.2	3,655	8.8	NA	NA	12.3	
	8,000-9,000'	54	44	11.3	8.5	88.5	1,055	2.3	NA	NA	24.2	
	9,000-10,000'	69	52	16.3	12.4	94.1	1,145	1.7	NA	NA	39.5	
	10,000-11,000'	83	59	22	16.9	95.4	785	0.9	NA	NA	41.1	
	>11,000'	87	59	26.5	19.9	79.6	1,230	1.2	NA	NA	36.9	
2. McCloud	5,000-6,000'	24	29	2.6	2.9	58.3	15,209	96.8	9.6 (1)	10.6 (1)	8.5	
	6,000-7,000'	35	41	5.4	5.3	86.2	11,774	41.7	NA	NA	10.4	
	7,000-8,000'	48	44	8.5	6.8	91.4	5,180	14.2	NA	NA	20.9	
	8,000-9,000'	62	50	11.9	8.5	91.9	2,945	6.5	NA	NA	36.5	
	9,000-10,000'	70	51	15.5	11.4	90.5	1,885	3.1	NA	NA	42.0	
	10,000-11,000'	81	54	21.3	15	98.6	1,162	1.4	NA	NA	50.6	
	>11,000'	94	62	33.6	25.8	94.1	1,594	1.2	NA	NA	46.9	
3. Pit	5,000-6,000'	7	10	0.3	0.4	6.4	28,667	1,428.20	10.8 (1)	11.9 (1)	2.3	
	6,000-7,000'	22	25	1.9	2.2	30.3	59,337	507.2	8.1 (2)	9.1 (2)	4.5	
	7,000-8,000'	39	39	5	5.3	63.5	36,452	129.4	2.9 (2)	4.2 (2)	5.9	
	8,000-9,000'	58	56	8.8	9.5	90.1	9,880	19.4	NA	NA	8.2	
	>9,000'	66	59	12.1	12.1	73.8	1,241	1.9	NA	NA	13.1	
4. Sacramento at Bend Bridge	5,000-6,000'	5	4	0.3	0.3	3.6	2,112	156.3	NA	NA	2.9	
	6,000-7,000'	34	32	4	3.8	43.5	12,869	63.1	NA	NA	5.8	
	7,000-8,000'	52	50	9.5	9.5	92.5	7,891	15.6	NA	NA	10.5	
	8,000-9,000'	57	51	12.5	11.5	77.6	2,670	4.3	NA	NA	16.5	
	>9,000'	59	55	13.2	12.8	78.3	395	0.6	NA	NA	22.8	
5. Feather§	5,000-6,000'	27	37	2.5	1.4	41.6	92,783	1,257.10	7.8 (1)	9.1 (1)	3.5	

\* This is a comparison to the SNODAS (SNOW Data Assimilation System) nationwide product from the National Weather Service.

‡ For volume totals above Shasta Lake add Upper Sac, McCloud and Pit volumes. For volume totals above Bend Bridge add Upper Sac, McCloud, Pit and Sac at Bend Bridge volumes.

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Basin	Elevation Band	% of Average		SWE (in)				Pillows		SNODAS* (in)		
		2/8	2/15	2/8	2/15	SCA	Vol. (AF)‡	Area (mi²)	2/8	2/15	2/15	
6. Yuba§	6,000-7,000'	45	52	5.9	4	75.6	157,922	732.9	9.7 (5)	9.3 (5)	7.4	
	7,000-8,000'	52	53	8.4	6.9	89	45,220	122.6	4.7 (1)	4.7 (1)	7.4	
	8,000-9,000'	66	57	13.1	11.9	92.1	3,073	4.8	NA	NA	10.7	
6. Yuba§	5,000-6,000'	5	6	0.2	0.2	6.1	1,805	193.5	NA	NA	2.7	
	6,000-7,000'	32	37	3.5	4.1	61.8	46,288	213.6	11.7 (4)	13.2 (4)	7.7	
	7,000-8,000'	47	49	9.8	10.6	85.5	63,666	113.1	NA	NA	10.0	
	8,000-9,000'	57	52	16.1	16.1	77.3	4,553	5.3	NA	NA	16.8	
7. American	5,000-6,000'	2	3	0.2	0.2	2.5	3,756	294.8	0.8 (4)	0.7 (3)	0.6	
	6,000-7,000'	33	40	5	6.1	58	86,685	267.6	8.5 (2)	8.7 (2)	4.5	
	7,000-8,000'	52	54	9.3	10.2	89.9	91,765	168.1	10.2 (4)	10.6 (4)	11.4	
	8,000-9,000'	60	56	11.7	11.7	85.6	43,084	69.1	13.0 (3)	15.6 (3)	15.3	
	9,000-10,000'	68	57	14.2	13.2	79.6	5,241	7.4	NA	NA	17.2	
8. Cosumnes	5,000-6,000'	0	0	0	0	0	0	60.5	NA	NA	0.1	
	6,000-7,000'	18	23	2.2	3	29.8	3,851	23.7	NA	NA	1.8	
	7,000-8,000'	53	55	8.7	9.8	88.4	3,997	7.6	NA	NA	8.1	
9. Mokelumne	5,000-6,000'	0	0	0	0	0.2	73	82.5	NA	NA	0.0	
	6,000-7,000'	12	17	1.5	2.1	19.9	6,957	63.5	5.6 (1)	6.1 (1)	2.1	
	7,000-8,000'	53	55	8.8	9.7	83.7	44,608	86.4	NA	NA	9.1	
	8,000-9,000'	63	57	11.8	11.5	86.5	47,802	77.9	13.9 (2)	15.1 (2)	13.8	
	>9,000'	69	60	13.8	12.8	78.2	5,139	7.5	NA	NA	17.7	
10. Stanislaus	5,000-6,000'	0	0	0	0	0.2	83	105.6	NA	NA	0.0	
	6,000-7,000'	21	26	2.5	3.2	30.1	22,864	133.9	NA	NA	2.4	
	7,000-8,000'	51	56	7.9	9.1	79.7	69,828	143.8	8.6 (1)	9.2 (1)	7.2	
	8,000-9,000'	62	59	11.3	11.4	83.5	69,975	115.4	15.0 (2)	16.2 (2)	11.0	
	9,000-10,000'	70	61	14.1	13.1	76.9	35,957	51.6	16.6 (1)	17.0 (1)	14.5	
	10,000-11,000'	76	62	16.7	14.7	73.8	9,552	12.2	NA	NA	16.8	
	11,000-12,000'	87	67	18.1	15	57.8	310	0.4	NA	NA	12.8	
11. Tuolumne§	5,000-6,000'	0	0	0	0	0.1	35	168	NA	NA	0.0	
	6,000-7,000'	13	16	0.3	0.4	14.7	2,951	140.9	0.0 (1)	0.3 (1)	1.2	
	7,000-8,000'	49	52	4.8	5.2	68	41,552	149.1	8.1 (2)	14.9 (1)	7.0	
	8,000-9,000'	62	58	11.2	11	78.2	98,717	167.9	10.6 (3)	11.4 (3)	12.4	
	9,000-10,000'	70	60	15.3	13.9	78.3	130,537	176.1	13.9 (2)	15.3 (2)	16.1	
	10,000-11,000'	81	64	18.7	16.3	80.6	75,299	86.6	NA	NA	15.8	
	11,000-12,000'	90	68	18.9	15.8	84.4	20,255	24	NA	NA	12.8	
	12,000-13,000'	94	70	14.2	11.9	79.3	1,537	2.4	NA	NA	10.9	
12. Merced§	5,000-6,000'	0	0	0	0	0.1	39	69.7	NA	NA	0.2	
	6,000-7,000'	12	14	1	0.2	10.5	994	78.3	NA	NA	3.1	

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Elevation Banded SWE Report for 2/15/2026											
Basin	Elevation Band	% of Average		SWE (in)				Pillows		SNODAS* (in)	
		2/8	2/15	2/8	2/15	SCA	Vol. (AF)‡	Area (mi²)	2/8	2/15	2/15
13. San Joaquin§	7,000-8,000'	54	58	7.2	4.6	71.6	32,003	131.9	NA	NA	10.8
	8,000-9,000'	66	64	10.5	8.6	84.9	56,790	123.4	16.6 (2)	17.5 (2)	16.5
	9,000-10,000'	73	64	13.4	11.9	83.7	53,246	84.1	NA	NA	19.3
	10,000-11,000'	81	65	16.9	14.3	79.7	30,264	39.7	NA	NA	19.5
	11,000-12,000'	85	65	20.1	13.8	80.6	8,195	11.1	NA	NA	18.7
	12,000-13,000'	95	69	25.6	16.6	86.8	1,199	1.4	NA	NA	18.6
14. Kings§	5,000-6,000'	0	0	0	0	0.2	83	137.2	NA	NA	0.8
	6,000-7,000'	19	33	0.6	1.2	31.9	11,707	177.6	5.4 (3)	6.5 (3)	4.9
	7,000-8,000'	56	64	4.6	5.1	76	58,593	214.2	11.4 (3)	13.1 (3)	12.2
	8,000-9,000'	64	63	10.3	10.2	77.1	106,701	195.3	NA	NA	18.3
	9,000-10,000'	73	65	15.3	14.1	78.6	151,440	201.4	16.3 (1)	17.1 (1)	18.9
	10,000-11,000'	85	69	18.8	16.4	82.4	137,627	157.5	NA	NA	16.6
	11,000-12,000'	89	69	18.3	15.5	82.3	94,644	114.6	NA	NA	12.4
	12,000-13,000'	100	75	16.7	14	80.8	19,539	26.2	NA	NA	8.7
	13,000-14,000'	112	81	12.5	10.1	80.9	782	1.4	NA	NA	5.7
	5,000-6,000'	0	0	0	0	0	0	95.6	NA	NA	0.1
15. Kaweah§	6,000-7,000'	4	4	0.1	0.1	2.4	614	128.5	0.0 (1)	0.1 (1)	2.0
	7,000-8,000'	38	40	2.6	3	38	26,895	168.2	NA	NA	7.9
	8,000-9,000'	60	60	8.4	8.8	66	99,497	212.7	17.0 (1)	13.6 (1)	14.9
	9,000-10,000'	75	69	13.2	12.7	77.3	146,646	216.8	19.6 (2)	21.0 (2)	15.7
	10,000-11,000'	86	72	16.2	14.5	77.5	152,002	196.9	16.0 (2)	17.0 (2)	14.3
	11,000-12,000'	93	73	17.9	15.3	77	120,253	147.8	18.6 (1)	19.5 (1)	12.0
	12,000-13,000'	102	76	18.7	15.6	75.4	36,795	44.1	NA	NA	9.1
	13,000-14,000'	114	82	20.7	16.8	78.1	2,508	2.8	NA	NA	6.1
16. Tule	5,000-6,000'	0	0	0	0	0	0	55.5	NA	NA	0.0
	6,000-7,000'	0	0	0	0	0.2	11	59.5	NA	NA	0.5
	7,000-8,000'	23	22	2.1	0.6	17.3	2,056	60.1	NA	NA	4.5
	8,000-9,000'	45	47	6.2	4.4	51.5	13,441	56.8	NA	NA	9.4
	9,000-10,000'	67	64	11.3	8.7	69.2	20,070	43.4	11.4 (1)	12.1 (1)	12.4
	10,000-11,000'	80	68	15.7	12.5	74.2	19,922	29.8	NA	NA	13.7
	>11,000'	89	72	18.7	14.9	74.7	7,362	9.3	NA	NA	12.8
17. Kern§	5,000-6,000'	0	0	0	0	0	0	51.6	NA	NA	0.0
	6,000-7,000'	0	0	0	0	0	0	40	NA	NA	0.1
	7,000-8,000'	11	8	1	0.8	6.6	1,159	26.8	1.7 (1)	1.4 (1)	0.9
	8,000-9,000'	35	34	4.6	5	37.2	4,065	15.2	NA	NA	3.4
	9,000-10,000'	60	59	10.2	10.7	64.1	2,303	4.1	NA	NA	9.2

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Elevation Banded SWE Report for 2/15/2026												
Basin	Elevation Band	% of Average		SWE (in)				Pillows		SNODAS* (in)		
		2/8	2/15	2/8	2/15	SCA	Vol. (AF)‡	Area (mi²)	2/8	2/15	2/15	
17. Sierra	7,000-8,000'	18	20	0.4	0.5	11	8,061	326.6	0.0 (1)	0.0 (1)	0.6	
	8,000-9,000'	64	62	3	3.1	45.8	52,174	314.7	NA	NA	3.8	
	9,000-10,000'	91	82	7.3	6.9	66	69,276	189.2	12.7 (1)	13.9 (1)	7.5	
	10,000-11,000'	100	83	13.7	12	76.6	82,992	129.2	10.8 (2)	11.4 (2)	9.9	
	11,000-12,000'	101	79	17.2	14.7	81.2	71,587	91.6	20.1 (1)	20.8 (1)	11.4	
	12,000-13,000'	112	82	18	14.8	81.5	29,924	37.8	NA	NA	9.4	
	>13,000'	127	90	17.5	14.2	81.2	4,457	5.9	NA	NA	6.2	
18. Truckee	5,000-6,000'	34	57	3.2	4.8	60.8	17,715	68.6	NA	NA	9.5	
	6,000-7,000'	42	55	5.2	6.5	74.4	71,608	206.5	8.0 (4)	8.5 (4)	8.6	
	7,000-8,000'	50	53	8	8.6	80.5	51,539	111.9	11.7 (2)	12.5 (2)	10.7	
	8,000-9,000'	58	56	10.6	10.8	82.7	17,604	30.5	NA	NA	15.3	
	9,000-10,000'	72	64	12.9	12.2	86.1	4,842	7.4	NA	NA	16.9	
	10,000-11,000'	81	67	14.9	13.2	89.4	340	0.5	NA	NA	18.4	
19. Tahoe	6,000-7,000'	12	16	1.1	1.4	16.4	24,091	312.6	6.8 (2)	7.0 (2)	4.7	
	7,000-8,000'	45	47	6.3	6.7	64.8	38,314	107.1	10.0 (4)	10.7 (4)	9.6	
	8,000-9,000'	62	57	10.3	10.1	77.5	38,222	70.9	8.4 (1)	8.7 (1)	11.9	
	9,000-10,000'	75	64	13.5	12.3	76.1	10,840	16.5	NA	NA	12.7	
	10,000-11,000'	87	68	15.4	13.4	96.9	757	1.1	NA	NA	10.6	
20. W Carson	5,000-6,000'	18	0	0.7	0	0	0	0.3	NA	NA	4.8	
	6,000-7,000'	39	63	3.1	4.6	61.7	478	1.9	NA	NA	7.9	
	7,000-8,000'	54	62	7.5	8.7	91	12,986	28.1	NA	NA	11.7	
	8,000-9,000'	66	63	10.9	10.8	88.6	15,984	27.8	12.3 (3)	13.1 (3)	13.2	
	9,000-10,000'	78	65	13.9	12.3	82.7	4,552	6.9	NA	NA	12.0	
	10,000-11,000'	75	63	14.3	12.3	70.7	189	0.3	NA	NA	12.0	
21. E Carson	5,000-6,000'	15	20	0.4	0.5	7	921	33.4	NA	NA	0.3	
	6,000-7,000'	47	64	2.7	3.6	48.3	15,398	79.4	1.0 (1)	0.2 (1)	3.7	
	7,000-8,000'	53	64	5.1	6.4	81.7	34,421	100.2	7.2 (1)	7.8 (1)	7.3	
	8,000-9,000'	64	63	9.4	9.7	83.9	50,300	97.3	10.4 (2)	11.5 (2)	10.7	
	9,000-10,000'	74	65	13	12.3	76.6	22,739	34.7	NA	NA	12.6	
	>10,000'	89	71	16.5	14.4	74.9	7,850	10.2	NA	NA	13.1	
22. W Walker	6,000-7,000'	35	61	1.7	3.1	66.5	1,230	7.3	NA	NA	5.4	
	7,000-8,000'	38	52	2.5	3.9	86.1	8,022	38.7	6.9 (1)	7.0 (1)	5.9	
	8,000-9,000'	60	62	7.3	7.8	89.3	19,171	46.1	8.5 (2)	8.8 (2)	9.5	
	9,000-10,000'	76	65	13.3	12	82.1	39,030	60.8	27.3 (1)	28.8 (1)	16.3	
	10,000-11,000'	85	66	16.9	14.5	77.8	19,253	24.9	NA	NA	16.2	
	11,000-12,000'	94	71	17.5	14.8	75.4	1,521	1.9	NA	NA	12.6	
23. E Walker	6,000-7,000'	1	2	0	0.4	74.4	1,200	60.6	NA	NA	3.3	

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Elevation Banded SWE Report for 2/15/2026											
Basin	Elevation Band	% of Average		SWE (in)				Pillows		SNODAS* (in)	
		2/8	2/15	2/8	2/15	SCA	Vol. (AF)‡	Area (mi²)	2/8	2/15	2/15
24. Mono	7,000-8,000'	16	27	0.5	1.6	85.8	9,498	111.7	NA	NA	4.7
	8,000-9,000'	31	44	2	3.7	88.1	17,260	88.1	NA	NA	5.4
	9,000-10,000'	59	58	6.9	7.7	85.9	22,034	53.9	9.9 (1)	10.7 (1)	10.4
	10,000-11,000'	74	65	10.7	10.5	78.4	19,435	34.7	NA	NA	12.5
	>11,000'	76	70	10.2	10.3	80.9	4,045	7.3	NA	NA	10.7
25. Upper Owens	6,000-7,000'	0	0	0	0	33	866	374.9	NA	NA	2.6
	7,000-8,000'	6	14	0.1	0.9	66.6	18,704	392.8	NA	NA	4.6
	8,000-9,000'	36	49	1.8	3.3	84	31,878	178.9	NA	NA	5.9
	9,000-10,000'	60	62	5.7	6.7	86.5	22,874	64.1	NA	NA	10.6
	10,000-11,000'	77	65	11.7	11	82.9	27,568	47.2	NA	NA	14.3
	11,000-12,000'	90	70	15.6	13.6	83.9	17,230	23.7	NA	NA	12.4
	12,000-13,000'	97	72	17.4	14.4	79.2	3,264	4.2	NA	NA	11.6
26. Owens	6,000-7,000'	18	45	0.5	1	72.8	3,539	68.6	NA	NA	10.4
	7,000-8,000'	55	71	2.9	3.5	82.1	27,105	143.6	NA	NA	12.1
	8,000-9,000'	73	76	7.3	7.5	83.9	30,100	75.4	NA	NA	13.0
	9,000-10,000'	71	67	8.1	8.1	80.8	19,111	44.2	19.5 (1)	21.2 (1)	12.7
	10,000-11,000'	74	65	9.7	9.6	79.4	16,661	32.4	NA	NA	11.5
	11,000-12,000'	86	69	12.9	11.6	79.1	9,642	15.5	NA	NA	7.6
	12,000-13,000'	87	73	10.6	10.1	77	1,556	2.9	NA	NA	4.2
	>13,000'	117	89	14.7	12.6	79.4	6,156	9.2	NA	NA	3.4

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**Location of Reports and Excel Format Tables**  
<https://github.com/CU-Mountain-Hydrology/SierraNevada>

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