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# COLORADO

## WATER SUPPLY CONDITIONS UPDATE

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FROM THE OFFICE OF THE STATE ENGINEER: COLORADO DIVISION OF WATER RESOURCES  
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August 1, 2020

The Surface Water Supply Index (SWSI) is used as an indicator of water supply conditions in the seven major river basins of the state and in each of the 41 smaller watersheds, or HUCs. The Colorado Water Conservation Board (CWCB) completed a major revision to the Colorado Drought Plan in 2010. At that time, Colorado adopted a revised SWSI analysis based on the components shown below, which vary depending on the time of year. The revised SWSI is based on a ranking of total volume in a HUC or major river basin ranked against similar volumes in historical years. For instance, in January, the total volume in a HUC is based on the forecasted runoff at specific locations plus the volume in storage in specific reservoirs, all within the HUC. That total volume is ranked against similar total volumes that occurred each January between 1970 and 2010.

Time Period	SWSI Components
February 1 - June 1	Forecasted Runoff + Reservoir Storage
July 1 - September 1	Previous Month's Streamflow + Reservoir Storage
October 1 - January 1	Reservoir Storage

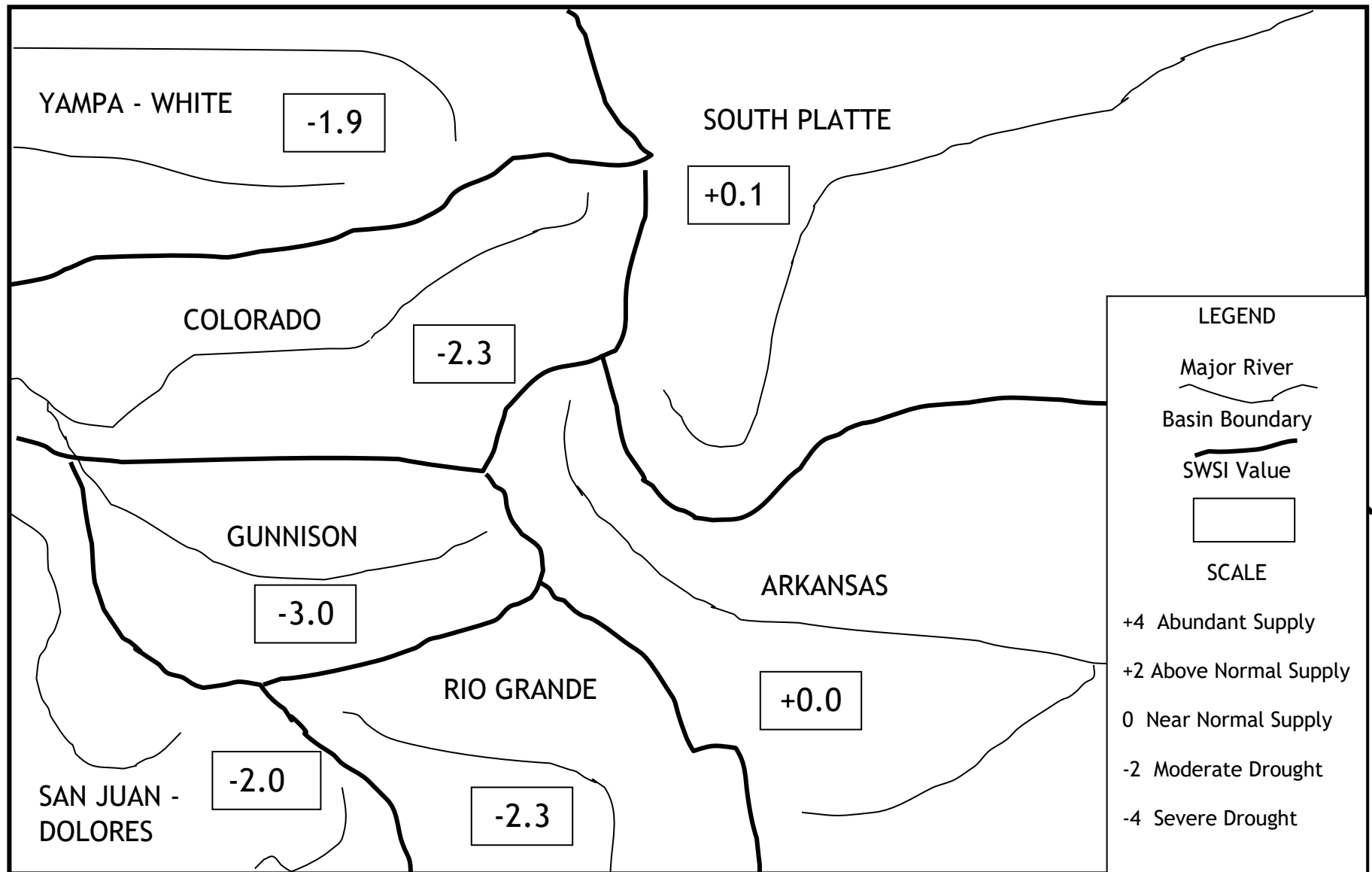
In 2015, CWCB and the Division of Water Resources (DWR) (both Divisions of the Colorado Department of Natural Resources) completed a software project to implement an automated calculation of the SWSI and to document the underlying hydrologic data. July 1, 2015 was the first month that the automated DNR SWSI was published. The results of each month's analysis are summarized within this report and additional information, maps & data are available at: <http://water.state.co.us/DWRDocs/Reports/Pages/SWSIReport.aspx>. This report also contains updates about current regional conditions and water matters prepared by each DWR Division Office.

The SWSI calculation for the summer season (July 1 to September 1) is based on the previous month's natural streamflow (the estimate of flow without the impacts of diversions and imports), combined with reservoir storage at the end of last month, in this case July 31. Water supply conditions vary across the state from normal in the South Platte and Arkansas basins to below normal in the Gunnison, Colorado, Rio Grande, San Juan-Dolores and Yampa-White basins. Storage varies statewide, from above average to below average, and the previous month's streamflow is well below normal in every basin.

Basin	August 1 SWSI	Change from Previous Month	Change from Previous Year
Arkansas	0.0	0.1	-2.5
Colorado	-2.3	-1.0	-6.0
Gunnison	-3.0	0.4	-6.8
Rio Grande	-2.3	0.2	-5.5
San Juan-Dolores	-2.0	0.4	-5.9
South Platte	0.1	0.1	-3.6
Yampa-White	-1.9	-0.6	-5.6

SWSI Scale								
-4	-3	-2	-1	0	1	2	3	4
Severe Drought		Moderate Drought		Near Normal Supply		Above Normal Supply		Abundant Supply

# SURFACE WATER SUPPLY INDEX FOR COLORADO BY MAJOR RIVER BASIN



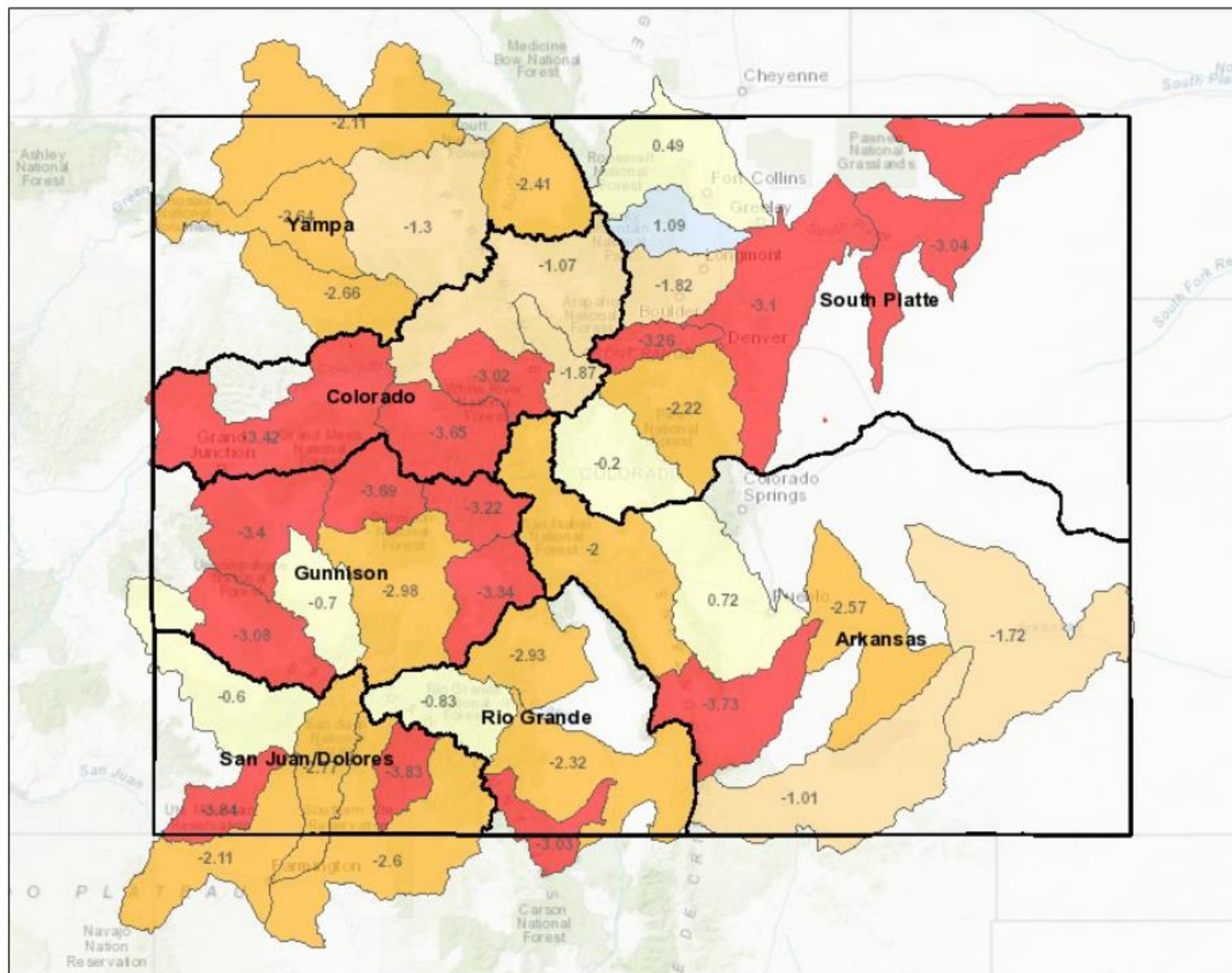
August 1, 2020

# SURFACE WATER SUPPLY INDEX FOR COLORADO BY HUC



**COLORADO**  
Division of Water Resources  
Department of Natural Resources

**SWSI August 1, 2020**



## Legend

### SWSI - Current Report

- ☐ SWSI Not Applicable (-99.99)
- ☒ Extremely Dry (-3.0 to -4.2)
- ☒ Moderately Dry (-2.0 to -2.9)
- ☒ Slightly Dry (-1.0 to -1.9)
- ☒ Near Average (-0.9 to 0.9)
- ☒ Slightly Wet (1.0 to 1.9)
- ☒ Moderately Wet (2.0 to 2.9)
- ☒ Extremely Wet (3.0 to 4.2)

☐ Water Division

## Location



## Notes

113.64 0 56.82 113.64 Miles

1: 3,600,000



*This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.*

Date Prepared: 8/24/2020 10:42:18 AM

**August 1, 2020 SWSI Values by HUC and Non Exceedance Probabilities (NEP)**

Basin	HUC ID	HUC Name	SWSI	Reservoir Storage NEP	Previous Months Streamflow NEP	Total Vol (AF)
Arkansas	11020001	Arkansas Headwaters	-2.01	40	10	234,141
	11020002	Upper Arkansas	0.72	67	16	240,170
	11020005	Upper Arkansas-Lake Meredith	-2.57	50	14	64,661
	11020006	Huerfano	-3.74	11	6	1,498
	11020009	Upper Arkansas-John Martin Reservoir	-1.72	50	11	111,730
	11020010	Purgatoire	-1.01	54	6	20,431
Colorado	14010001	Colorado Headwaters	-1.07	79	22	301,759
	14010002	Blue	-1.88	68	22	187,548
	14010003	Eagle	-3.03	N/A	14	29,337
	14010004	Roaring Fork	-3.66	12	6	152,818
	14010005	Colorado Headwaters-Plateau	-3.43	9	9	215,675
Gunnison	14020001	East-Taylor	-3.22	18	6	101,567
	14020002	Upper Gunnison	-2.98	15	6	713,229
	14020003	Tomichi	-3.34	60	10	4,278
	14020004	North Fork Gunnison	-3.69	6	6	13,885
	14020005	Lower Gunnison	-3.41	N/A	9	63,000
	14020006	Uncompahgre	-0.71	48	14	76,870
	14030003	San Miguel	-3.09	N/A	13	11,395
Rio Grande	13010001	Rio Grande Headwaters	-0.83	73	13	57,417
	13010002	Alamosa-Trinchera	-2.33	24	12	11,478
	13010004	Saguache	-2.93	N/A	15	2,303
	13010005	Conejos	-3.04	24	13	23,737
San Juan-Dolores	14030002	Upper Dolores	-0.61	43	15	253,639
	14080101	Upper San Juan	-2.61	23	10	107,692
	14080102	Piedra	-3.83	N/A	4	2,645
	14080104	Animas	-2.78	15	14	45,704
	14080105	Middle San Juan	-2.11	50	15	1,083
	14080107	Mancos	-3.85	4	10	4,256
South Platte	10190001	South Platte Headwater	-0.20	50	23	169,524
	10190002	Upper South Platte	-2.23	43	11	340,384
	10190003	Middle South Platte-Cherry Creek	-3.10	25	14	170,141
	10190004	Clear	-3.26	N/A	11	16,357
	10190005	St. Vrain	-1.82	68	16	95,759
	10190006	Big Thompson	1.10	70	8	614,504
	10190007	Cache La Poudre	0.50	74	35	200,400
	10190012	Middle South Platte-Sterling	-3.05	18	14	203,241
Yampa-White	10180001	North Platte Headwaters	-2.42	N/A	21	17,232
	14050001	Upper Yampa	-1.31	90	15	63,399
	14050002	Lower Yampa	-2.64	N/A	18	22,409
	14050003	Little Snake	-2.12	N/A	25	4,495
	14050005	Upper White	-2.66	N/A	18	19,880

NEP is non exceedance percentage for total reservoir storage and streamflow forecast in HUC. Some HUCs do not have any reservoirs considered in the SWSI and are shown as "N/A". Total Vol is the volume of reservoir storage in the HUC plus the streamflow forecast. NEP is calculated compared to the volume historically occurring this month during the period 1970-2010. The following table lists each component considered in each HUC.

SWSI Color Scale:

-4.0 (Severe Drought)

0.0 (Normal)

4.0 (Abundant Supply)

**August 1, 2020 SWSI Component Information - Streamflow Forecast & Reservoir Storage - By HUC**

HUC ID	HUC Name	Component Name	Component Volume (AF)	Component NEP for Month
11020001	Arkansas Headwaters	CLEAR CREEK RESERVOIR	6,380	27
		ARKANSAS RIVER AT SALIDA	30,309	10
		TWIN LAKES RESERVOIR	41,201	21
		HOMESTAKE RESERVOIR	42,587	80
		TURQUOISE LAKE	113,664	38
11020006	Huerfano	CUCHARAS RESERVOIR*	0	11
		CUCHARAS RIVER AT BOYD RANCH NR LA VETA	371	3
		HUERFANO RIVER NEAR REDWING	1,127	12
11020010	Purgatoire	PURGATOIRE RIVER AT TRINIDAD	1,911	6
		TRINIDAD LAKE	18,520	54
11020002	Upper Arkansas	PUEBLO RESERVOIR INFLOW	44,239	16
		PUEBLO RESERVOIR	195,931	67
11020009	Upper Arkansas-John Martin Reservoir	CUCHARAS RIVER AT BOYD RANCH NR LA VETA	371	3
		HUERFANO RIVER NEAR REDWING	1,127	12
		PURGATOIRE RIVER AT TRINIDAD	1,911	6
		ADOBE CREEK RESERVOIR	20,042	37
		JOHN MARTIN RESERVOIR	44,040	56
		PUEBLO RESERVOIR INFLOW	44,239	16
11020005	Upper Arkansas-Lake Meredith	CUCHARAS RIVER AT BOYD RANCH NR LA VETA	371	3
		HUERFANO RIVER NEAR REDWING	1,127	12
		LAKE HENRY	3,973	38
		MEREDITH RESERVOIR	14,951	52
		PUEBLO RESERVOIR INFLOW	44,239	16
14010002	Blue	BLUE RIVER INFLOW TO GREEN MOUNTAIN RES	42,863	22
		GREEN MOUNTAIN RESERVOIR	144,685	68
14010001	Colorado Headwaters	WOLFORD MOUNTAIN RESERVOIR	63,630	80
		WILLIAMS FORK RESERVOIR	94,300	62
		COLORADO RIVER NEAR DOTSERO	143,829	22
14010005	Colorado Headwaters-Plateau	VEGA RESERVOIR	12,207	9
		COLORADO RIVER NEAR CAMEO	203,468	9
14010003	Eagle	EAGLE RIVER BELOW GYPSUM	29,337	14
14010004	Roaring Fork	ROARING FORK AT GLENWOOD SPRINGS	57,499	6
		RUEDI RESERVOIR	95,319	12
14020001	East-Taylor	TAYLOR R INF TO TAYLOR PARK RESERVOIR	7,757	6
		EAST RIVER AT ALMONT	10,620	6
		TAYLOR PARK RESERVOIR	83,190	18
14020005	Lower Gunnison	GUNNISON RIVER NR GRAND JUNCTION	63,000	9
14020004	North Fork Gunnison	PAONIA RESERVOIR	6,466	6
		NORTH FORK GUNNISON R NR SOMERSET	7,419	6
14030003	San Miguel	SAN MIGUEL RIVER NEAR PLACERVILLE	11,395	13
14020003	Tomichi	VOUGA RESERVOIR NEAR DOYLEVILLE	344	60
		TOMICHI CREEK AT GUNNISON, CO	3,934	10



HUC ID	HUC Name	Component Name	Component Volume (AF)	Component NEP for Month
14020006	Uncompahgre	UNCOMPAHGRE RIVER AT COLONA	9,896	14
		RIDGEWAY RESERVOIR	66,974	48
14020002	Upper Gunnison	FRUITLAND RESERVOIR	253	34
		CRAWFORD RESERVOIR	5,389	14
		SILVER JACK RESERVOIR	8,721	11
		LAKE FORK AT GATEVIEW, CO	13,531	19
		GUNNISON RIVER NEAR GUNNISON, CO	19,399	5
		MORROW POINT RESERVOIR	110,684	4
		BLUE MESA RESERVOIR	555,252	15
13010002	Alamosa-Trinchera	SANGRE DE CRISTO	37	7
		TRINCHERA CK	659	8
		UTE CREEK	718	18
		CULEBRA CREEK AT SAN LUIS	1,717	52
		MOUNTAIN HOME	1,824	17
		ALAMOSA CREEK ABOVE TERRACE RESERVOIR	2,360	11
		TERRACE RESERVOIR	4,163	36
13010005	Conejos	CONEJOS RIVER NEAR MOGOTE	7,795	13
		PLATORO RESERVOIR	15,942	24
13010001	Rio Grande Headwaters	CONTINENTAL RESERVOIR	6,531	79
		RIO GRANDE RESERVOIR	12,969	58
		SANTA MARIA RESERVOIR	13,663	82
		RIO GRANDE NEAR DEL NORTE	24,254	13
13010004	Saguache	SAGUACHE CREEK NEAR SAGUACHE, CO	2,303	15
14080104	Animas	FLORIDA RIVER INFLOW TO LEMON RESERVOIR	2,335	15
		LEMON RESERVOIR	15,696	15
		ANIMAS RIVER AT DURANGO	27,673	14
14080107	Mancos	MANCOS RIVER NEAR MANCOS	504	10
		JACKSON GULCH RESERVOIR	3,752	4
14080105	Middle San Juan	LONG HOLLOW RESERVOIR	233	50
		LA PLATA RIVER AT HESPERUS	850	15
14080102	Piedra	PIEDRA RIVER NEAR ARBOLES	2,645	4
14030002	Upper Dolores	DOLORES RIVER BELOW MCPHEE RESERVOIR	8,945	15
		GROUNDHOG RESERVOIR	16,900	28
		MCPHEE RESERVOIR	227,794	42
14080101	Upper San Juan	SAN JUAN RIVER NEAR CARRACAS	10,586	10
		LOS PINOS RIVER NEAR BAYFIELD	11,165	11
		VALLECITO RESERVOIR	85,941	23
10190006	Big Thompson	MARIANO RESERVOIR	3,300	55
		LONE TREE RESERVOIR	3,600	8
		LAKE LOVELAND RESERVOIR	4,400	1
		WILLOW CREEK RESERVOIR	7,613	55
		BIG THOMPSON R AT MOUTH, NR DRAKE, CO	12,097	8
		BOYD LAKE	38,600	62
		CARTER LAKE	101,465	97
		LAKE GRANBY	443,429	63

HUC ID	HUC Name	Component Name	Component Volume (AF)	Component NEP for Month
10190007	Cache La Poudre	HALLIGAN RESERVOIR	3,400	11
		BLACK HOLLOW RESERVOIR	4,200	91
		FOSSIL CREEK RESERVOIR	5,900	34
		WINDSOR RESERVOIR	6,500	17
		CACHE LA POUDRE	7,400	58
		CHAMBERS LAKE	7,900	89
		COBB LAKE	17,600	63
		CACHE LA POUDRE R AT CANYON MOUTH	29,680	35
		HORSETOOTH RESERVOIR	117,820	76
10190004	Clear Creek	CLEAR CREEK AT GOLDEN	16,357	11
10190003	Middle South Platte- Cherry Creek	HORSECREEK RESERVOIR	900	1
		SOUTH BOULDER CK NR ELDORADO SPRINGS, CO	3,608	13
		BOULDER CREEK NEAR ORODELL	8,461	14
		BARR LAKE	11,400	12
		BIG THOMPSON R AT MOUTH, NR DRAKE, CO	12,097	8
		MILTON RESERVOIR	12,600	45
		SAINT VRAIN CREEK AT LYONS	14,344	23
		CLEAR CREEK AT GOLDEN	16,357	11
		SOUTH PLATTE RIVER AT SOUTH PLATTE	20,594	11
		CACHE LA POUDRE R AT CANYON MOUTH	29,680	35
		STANDLEY RESERVOIR	40,100	47
10190012	Middle South Platte- Sterling	SOUTH BOULDER CK NR ELDORADO SPRINGS, CO	3,608	13
		BOULDER CREEK NEAR ORODELL	8,461	14
		JULESBURG RESERVOIR	11,500	35
		BIG THOMPSON R AT MOUTH, NR DRAKE, CO	12,097	8
		EMPIRE RESERVOIR	12,300	19
		PREWITT RESERVOIR	12,300	31
		SAINT VRAIN CREEK AT LYONS	14,344	23
		JACKSON LAKE RESERVOIR	15,000	14
		CLEAR CREEK AT GOLDEN	16,357	11
		RIVERSIDE RESERVOIR	18,000	17
		SOUTH PLATTE RIVER AT SOUTH PLATTE	20,594	11
		POINT OF ROCKS RESERVOIR	29,000	26
		CACHE LA POUDRE R AT CANYON MOUTH	29,680	35
10190001	South Platte Headwater	ELEVENMILE CANYON RESV INFLOW	10,324	23
		ANTERO RESERVOIR	20,200	96
		SPINNEY MOUNTAIN RESERVOIR	40,300	50
		ELEVENMILE CANYON RESERVOIR	98,700	30
10190005	St. Vrain	SOUTH BOULDER CK NR ELDORADO SPRINGS, CO	3,608	13
		TERRY RESERVOIR	6,100	64
		MARSHALL RESERVOIR	7,200	31
		BOULDER CREEK NEAR ORODELL	8,461	14
		UNION RESERVOIR	12,046	54
		SAINT VRAIN CREEK AT LYONS	14,344	23
		BUTTONROCK (RALPH PRICE) RESERVOIR	16,300	94
		GROSS RESERVOIR	27,700	36

HUC ID	HUC Name	Component Name	Component Volume (AF)	Component NEP for Month
10190002	Upper South Platte	SOUTH PLATTE RIVER AT SOUTH PLATTE	20,594	11
		CHEESMAN LAKE	77,190	46
		DILLON RESERVOIR	242,600	28
14050003	Little Snake	LITTLE SNAKE RIVER NEAR LILY	4,495	25
14050002	Lower Yampa	YAMPA RIVER NEAR MAYBELL	22,409	18
10180001	North Platte Headwaters	NORTH PLATTE R NR NORTHGATE	17,232	21
14050005	Upper White	WHITE RIVER NEAR MEEKER	19,880	18
14050001	Upper Yampa	ELKHEAD CREEK ABOVE LONG GULCH	417	28
		YAMCOLO RESERVOIR	3,477	45
		YAMPA RIVER AT STEAMBOAT SPRINGS	6,111	14
		ELK RIVER NEAR MILNER, CO	16,994	16
		STAGECOACH RESERVOIR NR OAK CREEK	36,400	99

NEP is non exceedance percentage (percentile) for volume of the component compared to this month during the historical period 1970-2010.

\*No longer exists

Water Volume NEP Color Scale:

0 (Well Below Normal)	50 (Normal)	100 (Well Above Normal)
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Basinwide Conditions Assessment

The SWSI value for the month was +0.1.

The basin wide pattern of below average precipitation and above average temperatures that became dominant during the month of May has continued throughout the month of July. The entire South Platte River basin experienced below average monthly precipitation at 50 to 75-percent of average and above average temperatures on average 1 to 3 degrees Fahrenheit above the monthly average for July.

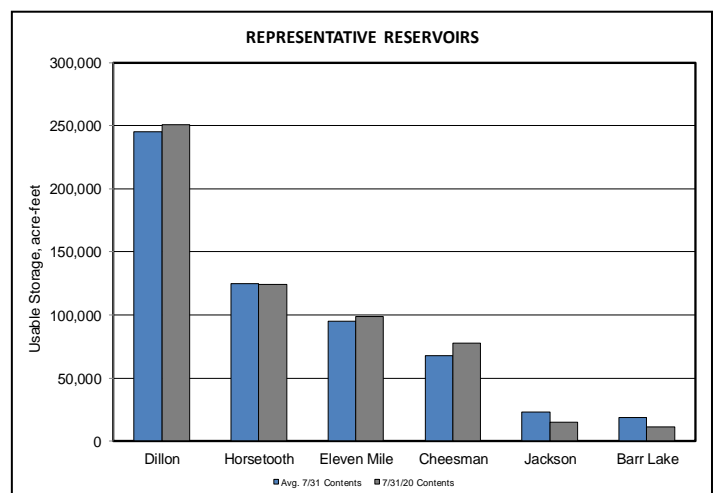
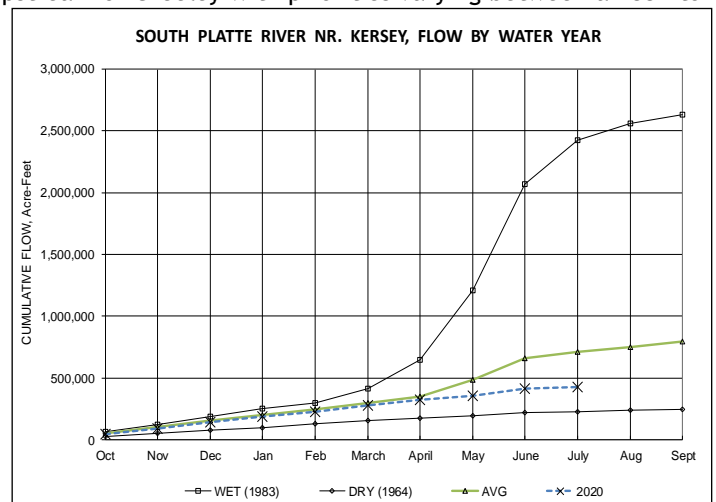
Below average precipitation and native river flows in the rivers along with above average temperatures throughout the South Platte River and Republican River Basin continued during the month of July. These conditions resulted in drought conditions throughout the basin increasing in intensity and area, encompassing the entirety of the South Platte and Republican River basins at the end of July. The USDA Drought Monitor rating for the mountainous and foothill areas ended the month of July with a rating of D0 (abnormally dry); with the central portion of the basin and much of the eastern plains ending the month with a rating of D1 (moderate drought) or D2 (severe drought) conditions; with a rating of D3 (extreme drought) in portions of Washington, Yuma, Lincoln, Kit Carson, and Cheyenne Counties.

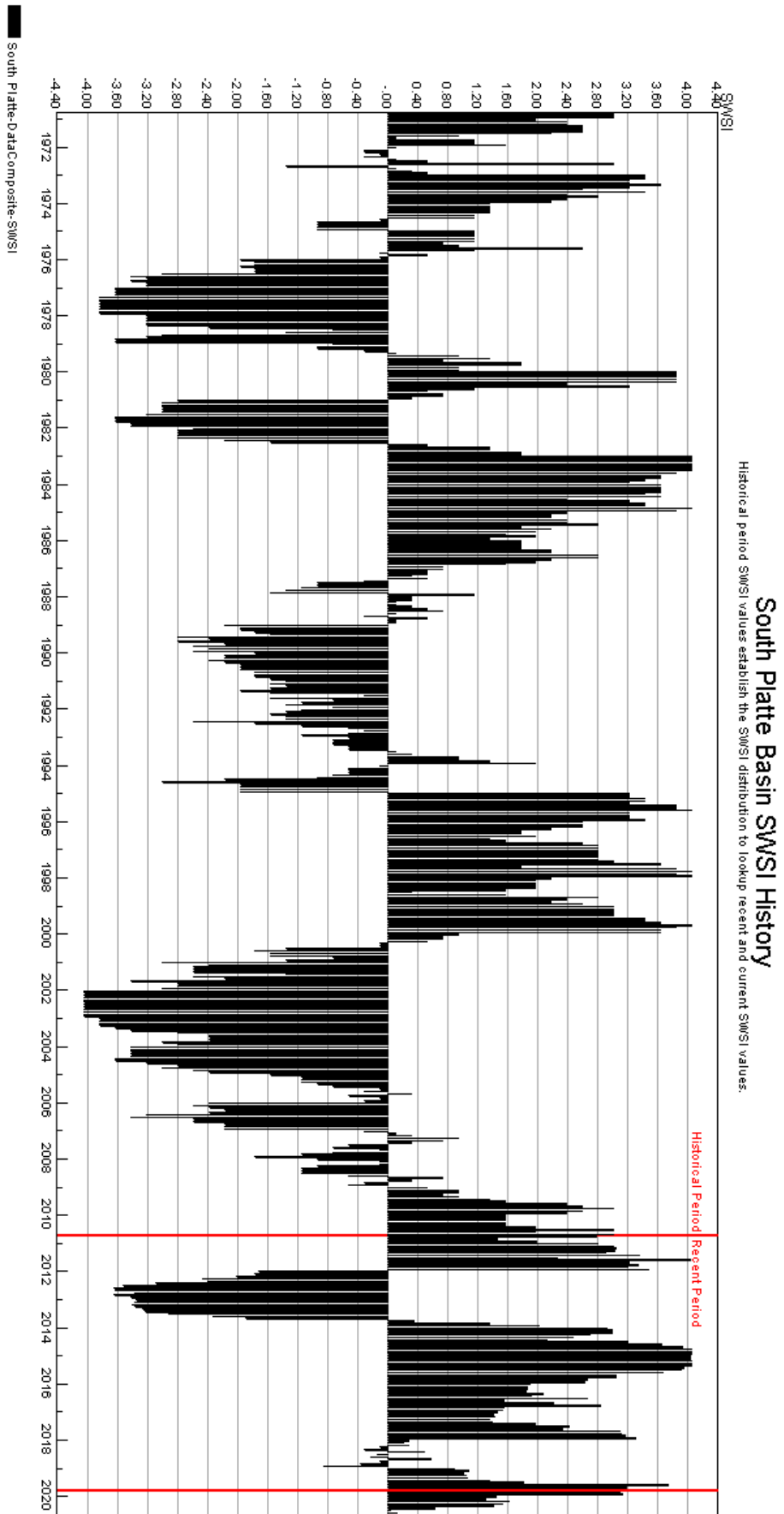
The above conditions along with high demand for irrigation and other uses, resulted in flows on the mainstem of the South Platte River basin well below normal during the month of July. Flows at the Kersey gage downstream of the City of Greeley, were well below average with average daily flows for the month of July approximately 185.5 cfs, 27% of the historic mean value of 695.7 cfs. The average daily flow at the Julesburg gage for the month of July was 36.3 cfs, only 10.5% of the historic mean value of 325.7 cfs. The outlook for flows on the South Platte River mainstem are well below average given the low snowpack in the upper South Platte River Basin headwaters, rapid snowmelt during the month of May, with the peak occurring during the later part of May into early June, and less water available than demand by water users.

During July, the overall seniority of calls on the South Platte mainstem continued the pattern of senior calls for the month of July, due to low native flows, below average precipitation, above average temperatures, and high demand for limited available water supplies. Like the month of June, there was no free river (no call for water) during the month of July on the mainstem. The month of July found the controlling calls on the river, typically at 5 or 6 different locations along the mainstem of the South Platte River, with a call at the Western Headgate upstream of Greeley with priorities varying between a 1881 to 1871; a call at the Sterling #1 or Lowline Ditch with call priorities varying between an 1888 to 1871 bypass calls; a call at the Harmony #1 Ditch with a priority call of 1897 on the lower end of the mainstem of the South Platte River; and the South Platte River Compact Call on the entire month of July with a priority date of June 14, 1897 impacting water district 64 from the Washington County westerly line to the state line. Many of the tributaries are controlled by one or more internal calls senior to the calls on the downstream South Platte River mainstem.

Reservoir storage levels throughout the South Platte River mainstem ended the month of July above average at the 6 SWSI Representative Reservoirs at 577,615 acre-feet volume, which is 101% of the long term average. Additionally, 32 indexed reservoirs throughout Division 1 basin at 101% of the long term average with a storage volume of 825,270 acre-feet at the end of July, representing approximately 72% of full capacity. This is ahead of the long term average of 71% full for the end of July storage in the 32 indexed reservoirs throughout Division 1. However, the need for reservoir releases throughout the basin during the month of July given the low flows, senior calls, and increasing demands for irrigation water to sustain irrigated crops and other water activities have increased the releases from existing reservoir storage during the month of July into August.

The temperature and precipitation outlook into July, August and September prepared by the National Weather Service, in northeastern Colorado indicates a 50% chance of above average temperatures and a probability of average precipitation throughout the South Platte River Basin and Republican River Basin.





## Basinwide Conditions Assessment

The SWSI value for the month was +0.0.

## Outlook

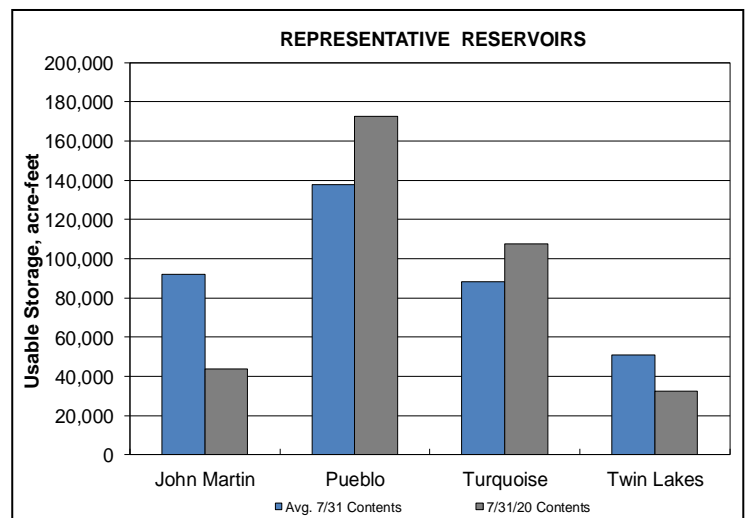
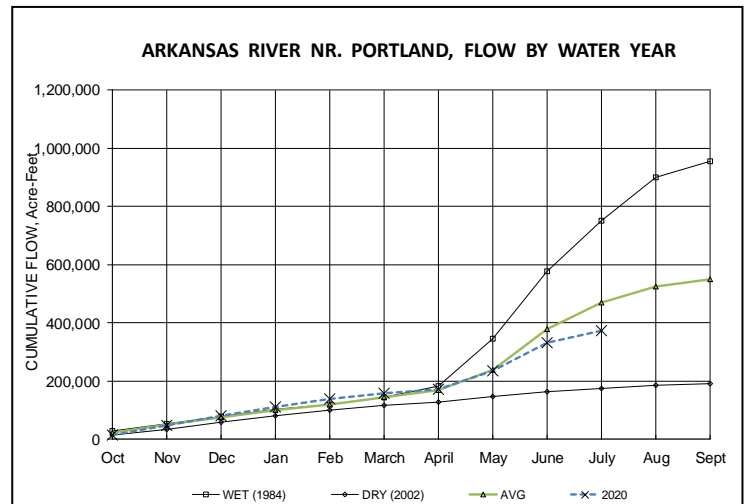
July started off with the Amity Canal call of 2/21/1887. Calls bounced around and dipped as low as 12/3/1884 Catlin Canal right, but ended the month as it had begun: with the 2/21/1887 Amity Canal call. A few precipitation events during the month helped ease some of the drought conditions and contributed to the relatively junior calls.

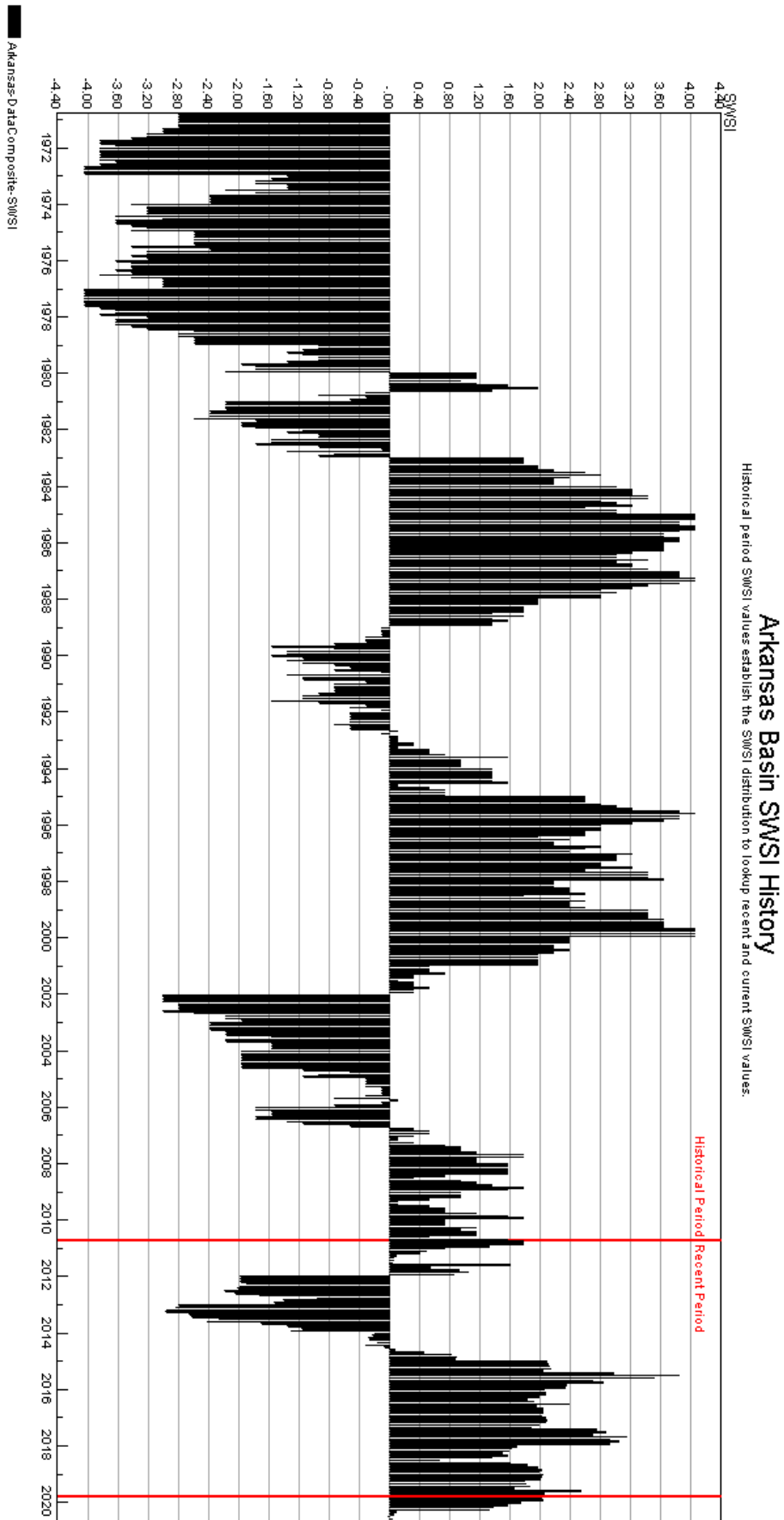
## Administrative Concerns

July was an especially hot and dry month. Well pumping in the Arkansas Basin was above average and a lower Stateline Credit rebalance from the HI model calibration resulted in a series of deliveries of water to the Offset account in order to ensure Colorado well associations stayed within compact compliance. The total deliveries exceeded 10,000 acre-feet on the year, which set a 5% storage charge into effect on all further 2020 deliveries.

The State of Kansas drained their Section II account water early in the month and over the course of the month drained down all of their Offset Accounts as well. The Lower Arkansas Water Management Association was approved for a Substitute Water Supply Plan that allowed Colorado Wildlife and Parks to store a portion of the Highland Ditch in the permanent pool of John Martin Reservoir.

Continued best management practices by the Division and the other agencies and organizations in the Arkansas basin will be critical for managing the water supply through the end of summer.





### Basinwide Conditions Assessment

The SWSI value for the month was -2.3.

Flow at the gaging station Rio Grande near Del Norte averaged 395 cfs (31% of normal). The Conejos River near Mogote had a mean flow of 179 cfs (40% of normal). In general, the entire upper Rio Grande basin suffered through a very poor runoff month during July. Streamflow was in the 10% to 40% of normal range. Sporadic rainstorms provided only temporary increases in runoff.

Precipitation in Alamosa was 1.58 inches, 0.61 inches above normal. This amount more than doubled the year to date precipitation in Alamosa where the average temperature was 1.0 degree warmer than normal, marking the 6th consecutive month of above average temperatures.

### Outlook

Stream flow levels throughout the basin will remain drastically low until significant rain arrives. Unfortunately, the National Weather Service (NWS) is predicting hot temperatures and very little precipitation for September through December.

### Administrative/Management Concerns

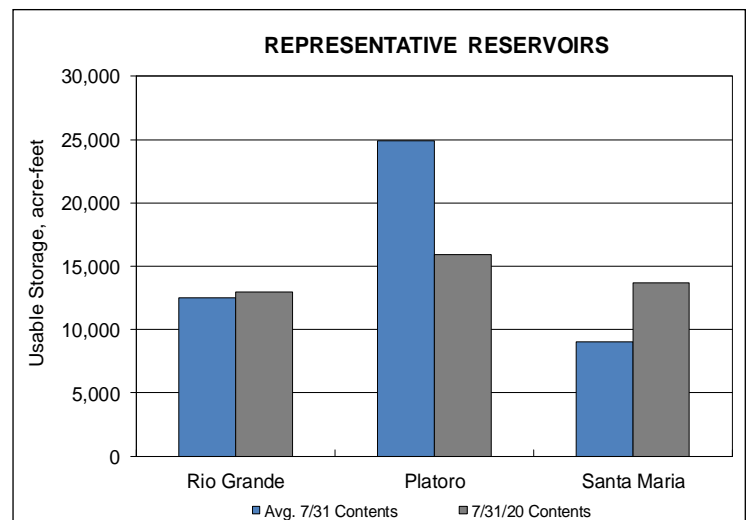
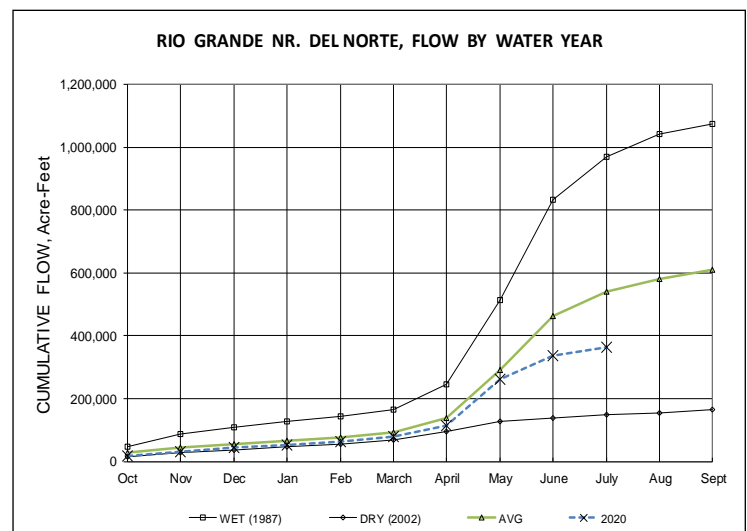
Streamflow to the State Line has been very minimal this summer as little or no curtailment of available native flow has been required this year to meet Compact delivery requirements.

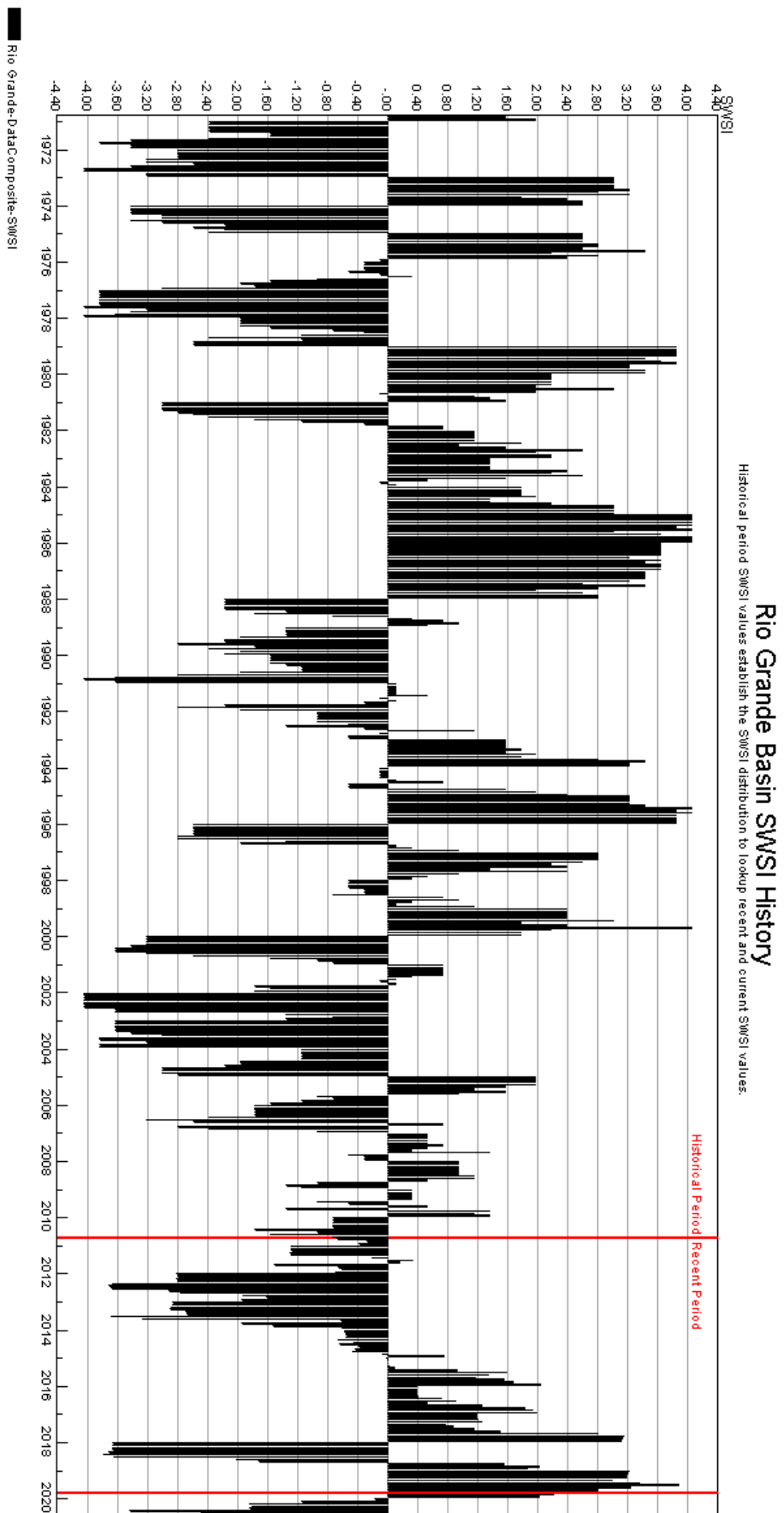
It's obvious, but drought years bring on a different set of challenges for water administrators. Routine inspection of irrigation ditches and wells is necessary to assure proper and legal use. Futile calls on streams become more prevalent. Water Commissioners work diligently to get as many ditch rights satisfied as possible. There's always the goal of maximizing beneficial use of the available water.

### Public Use Impact

Reservoirs throughout the State provide precious supplemental water when necessary. Although the upper Rio Grande Basin doesn't have the number of large reservoirs like other basins, they still provide a significant amount of irrigation and augmentation water. Storage level decreases from April through July, 2020 include: Platoro, Terrace, and Mountain Home (about -4,000 acre-feet each), Continental (-11,000 acre-feet), Santa Maria (-7,000 acre-feet) and worst of all, Sanchez Reservoir (-6,000 acre-feet) with only 3,000 acre-feet left in a 90,000 acre-foot reservoir. This is the lowest storage level seen in that reservoir in decades. The expected low inflows during winter 2020 - 21 won't come close to re-filling these vital vessels.

Water stored in the below ground reservoirs (aquifers) of the San Luis Valley provides much of the life-blood for irrigation by local farmers and ranchers. This source has been used heavily due to the drought. The result is another year of declining water tables. A large change in the climate pattern must occur before these water sources recover.







### Basinwide Conditions Assessment

The SWSI value for the month was -3.0.

### Basin Wide Conditions Outlook

July precipitation in the Gunnison basin was highly variable. A small area in the upper Uncompahgre River drainage received greater than average precipitation due to a few days of monsoon moisture late in the month, but the remaining areas were well below average. In fact, most lower elevation areas and the high elevations in the East River and North Fork Gunnison drainages received between 0 and 30% of average precipitation for the month. Streamflows throughout the basin dropped to well below average flows for most of July, with a few streams, such as the Uncompahgre receiving a short boost from the late July rainfall. Following that event, however, streamflows returned quickly to their below average levels due to the return of hot and dry conditions.

### Outlook

National Climate Prediction Center forecasts for the September to November period predict lower than average precipitation combined with much above average temperatures.

### Administrative/Management Concerns

The Uncompahgre Valley Water Users (UVWUA) project continued at 80 to 90% delivery for all of July and their demand remained high to irrigate primarily corn, beans and hay. As a result, diversions at the Gunnison Tunnel remained above 1,050 cfs for the entire month. Beginning on July 6th the Gunnison Tunnel began using Taylor Park storage to satisfy the demand. With the exception of three days in the last week when a short burst of monsoon moisture provided some inflow, during the rest of July a total of 13,800 acre-feet of Taylor Park storage was used.

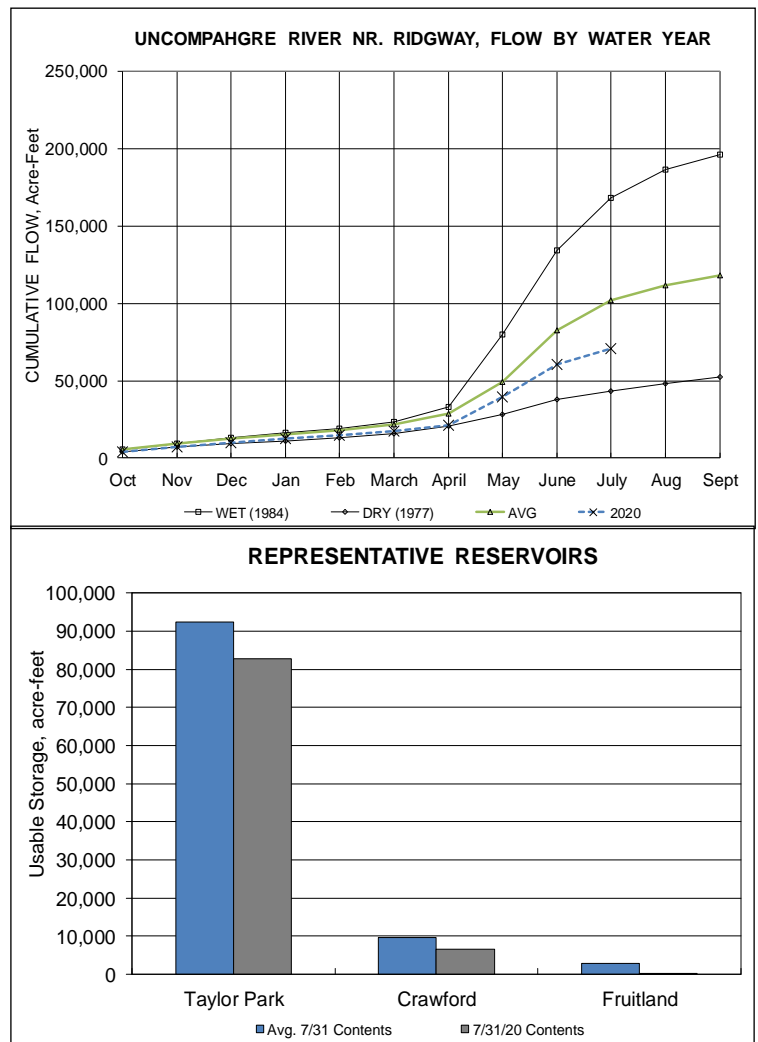
Inflows to Ridgway Reservoir remained below releases needed to satisfy UVWUA diversions at their seven main canals for all of July, except a few days in the last week resulting from monsoon moisture. As a result, the UVWUA used over 7,000 acre-feet of Ridgway storage during July in addition to the Taylor Park storage used. It appears that storage reserved for irrigation in Ridgway will be exhausted in early September, which would result in a decrease in deliveries to irrigators in the Uncompahgre Valley. The call from the M&D Canal remained in place for all of July and was administered by the Division of Water Resources (DWR) to an 1884 priority for most of the month.

Storage orders and resulting releases from Grand Mesa Reservoirs were extremely high during July due to the high temperatures that produced elevated irrigation demand. If weather conditions continue to be dry it is possible that carryover in this system could be nearly as low as in 2018, which was a record low at only eight percent. Evaporation measured by the DWR at 10,200 ft elevation near Alexander Lake has been significantly greater than standard tables would predict, with total July evaporation of 5.4 inches and some days experiencing over 0.3 inches of evaporation in a single day.

Overland Reservoir used the last of their storage by the end of July, meaning that their system will only be diverting senior direct flow rights for the remainder of the season, resulting in many fields not receiving any water for the rest of the season.

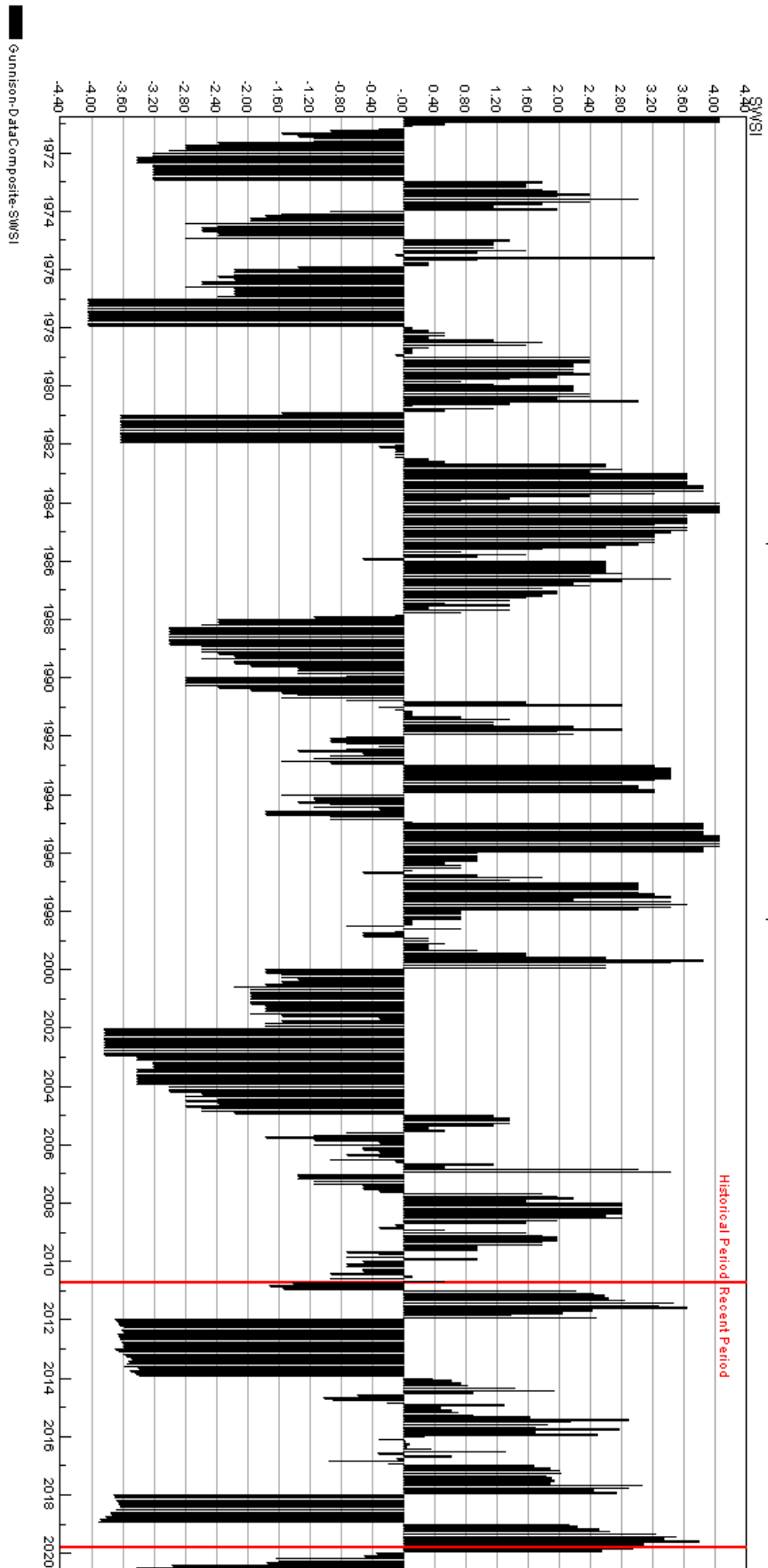
### Public Use Impacts

The base flow target in the Gunnison River at Whitewater specified in the Aspinall Unit reoperations ROD decreased from 1050 cfs to 900 cfs in July due to a drought provision that applies when storage in Blue Mesa Reservoir is less than 600,000 acre-feet. This resulted in a reduction in releases at Crystal Dam and resulting flows in the Gunnison Gorge from 550 cfs to 450 cfs.



## Gunnison Basin SWSI History

Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



### Basinwide Conditions Assessment

The SWSI value for the month was -2.3.

### Outlook

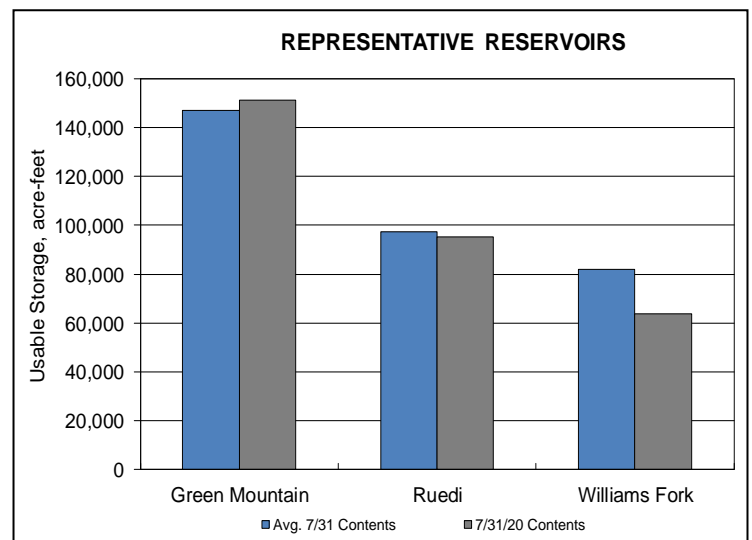
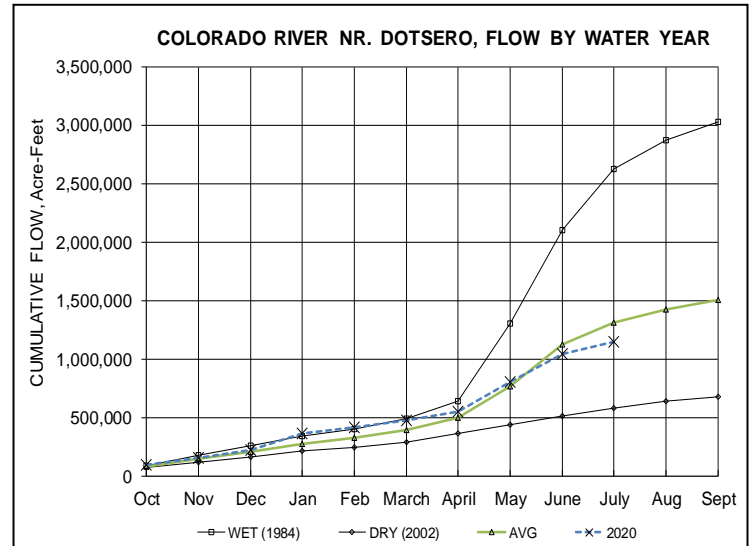
Colorado River flows and tributary flows are running below average and are forecasted to continue below average through August. Above average temperatures and below average precipitation are forecast for August.

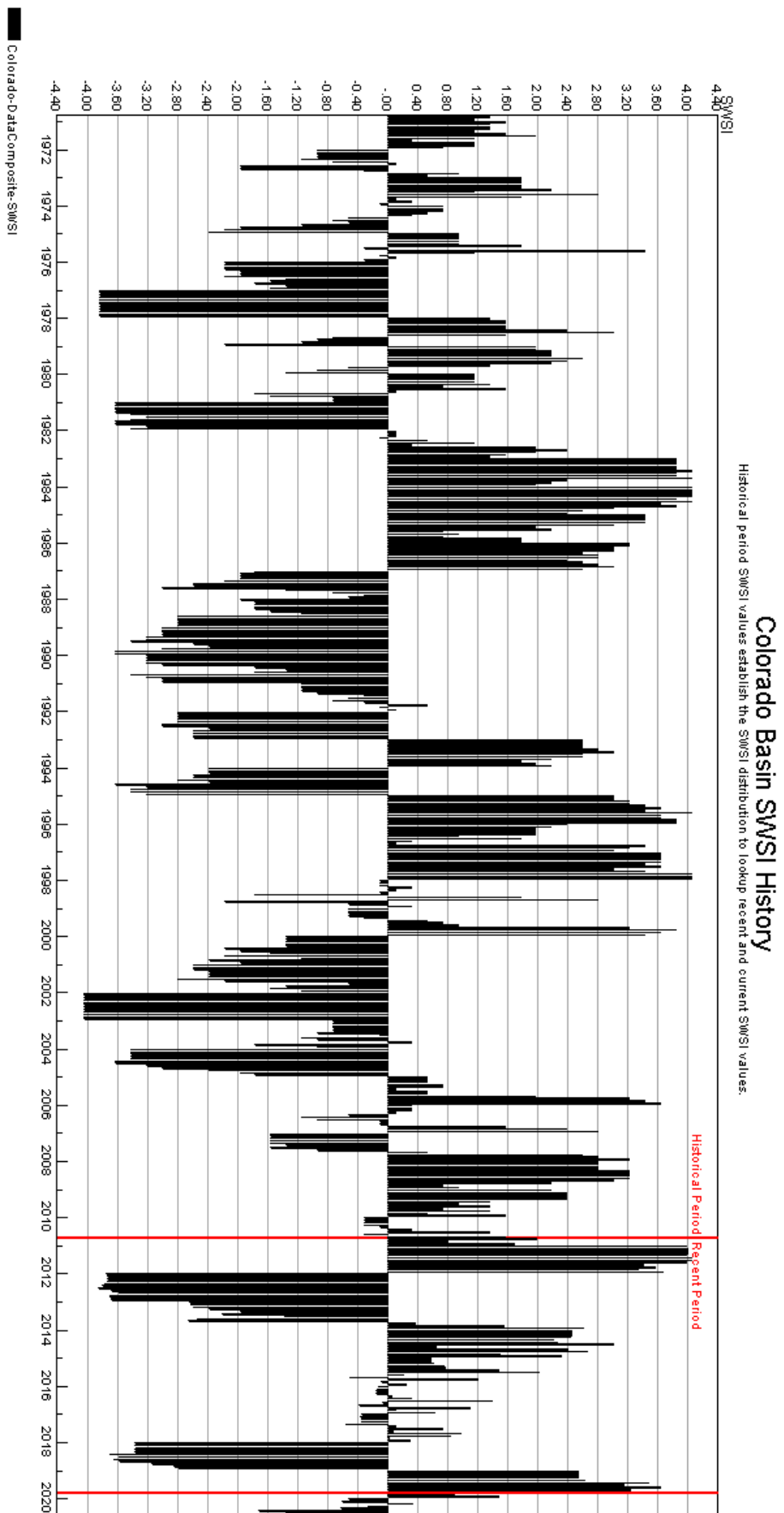
### Administrative/Management Concerns

As of August 10, the call on the Colorado River mainstem is the Cameo Grand Valley Canal with a swing right of the Grand Valley Project. Entities are also operating the Shoshone Outage Protocol Agreement. Grand Valley Irrigation diversions (Government Highline/Orchard Mesa Irrigation, Grand Valley Irrigation canals) continue at or near full capacity. Wolford is temporarily releasing fish recovery water along with contract and Middle Park water. Green Mountain is releasing inflow, storage for contracts, Silt Project replacement, HUP, Green Mountain Reservoir losses and Colorado River Collection System out of priority diversions.

### Public Use Impacts

The Shoshone Power Plant is currently shut down due to lost transmission lines due to the Grizzly Creek fire in Glenwood Canyon. When the plant is offline, the plant is not operating its senior water rights which causes flows to drop. Due to a 40 year old agreement, the Shoshone Outage Protocol Agreement, water is kept in the river when the power plant is down.





### Basinwide Conditions Assessment

The SWSI value for the month was -1.9.

**Precipitation (24 sites)** - Entire Yampa, White, and North Platte basins were 28% of the monthly average, putting the basin at 88% of average for the water year to date. This is down from last year's monthly average of 41%, and for last year's water year to date, 118%. For the month, the lowest percent of average, at 0%, was the Sandstone RS and Burro SNOTEL stations. The highest, at 92%, was the Crosho SNOTEL station.

*\*Averages are from 1981-2010 records*

**Temperatures** - The average temperature for NOAA Colorado Climate Division 2: Colorado River Drainage was **66.0° F**. This is +2.4°F from the average of 63.6°F. This temperature ranks 108<sup>th</sup> for lowest of the previous 126 years of data. For the NOAA Colorado Climate Division 4: Platte Drainage, the average temperature was **69.6°F**, +2.5°F above the average of 67.1°F, ranking 106<sup>th</sup>.

*\*Averages are from 1901-2000 records*

### Reservoir Outlook

Elkhead Reservoir - August 1<sup>st</sup>, 2020 elevation was 78.8' and 23,919 AF of 25,550 AF - 93.6% capacity.

Fish Creek Reservoir - August 1<sup>st</sup>, 2020 elevation was 9,881.61' at 3,589 AF of 4,187 AF - 86.1% capacity.

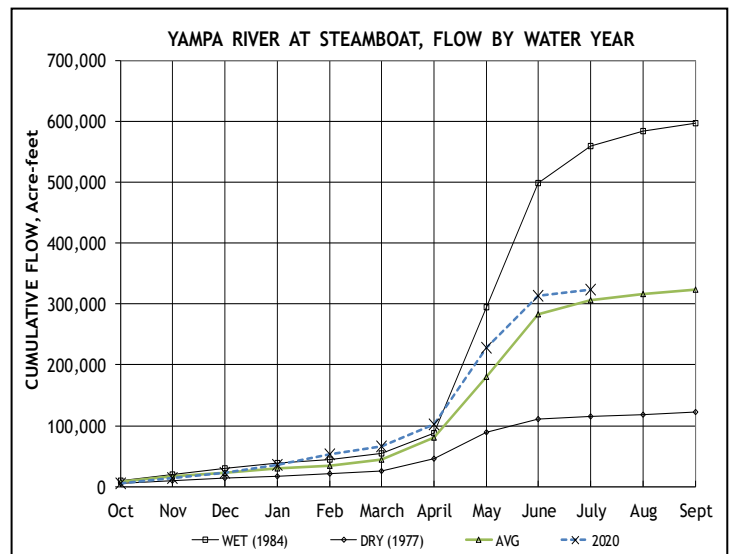
Stagecoach Reservoir - July 1<sup>st</sup>, 2020 capacity level was at 36,102 AF of 36,500 AF - 99% capacity, 111% average, 99% last year.

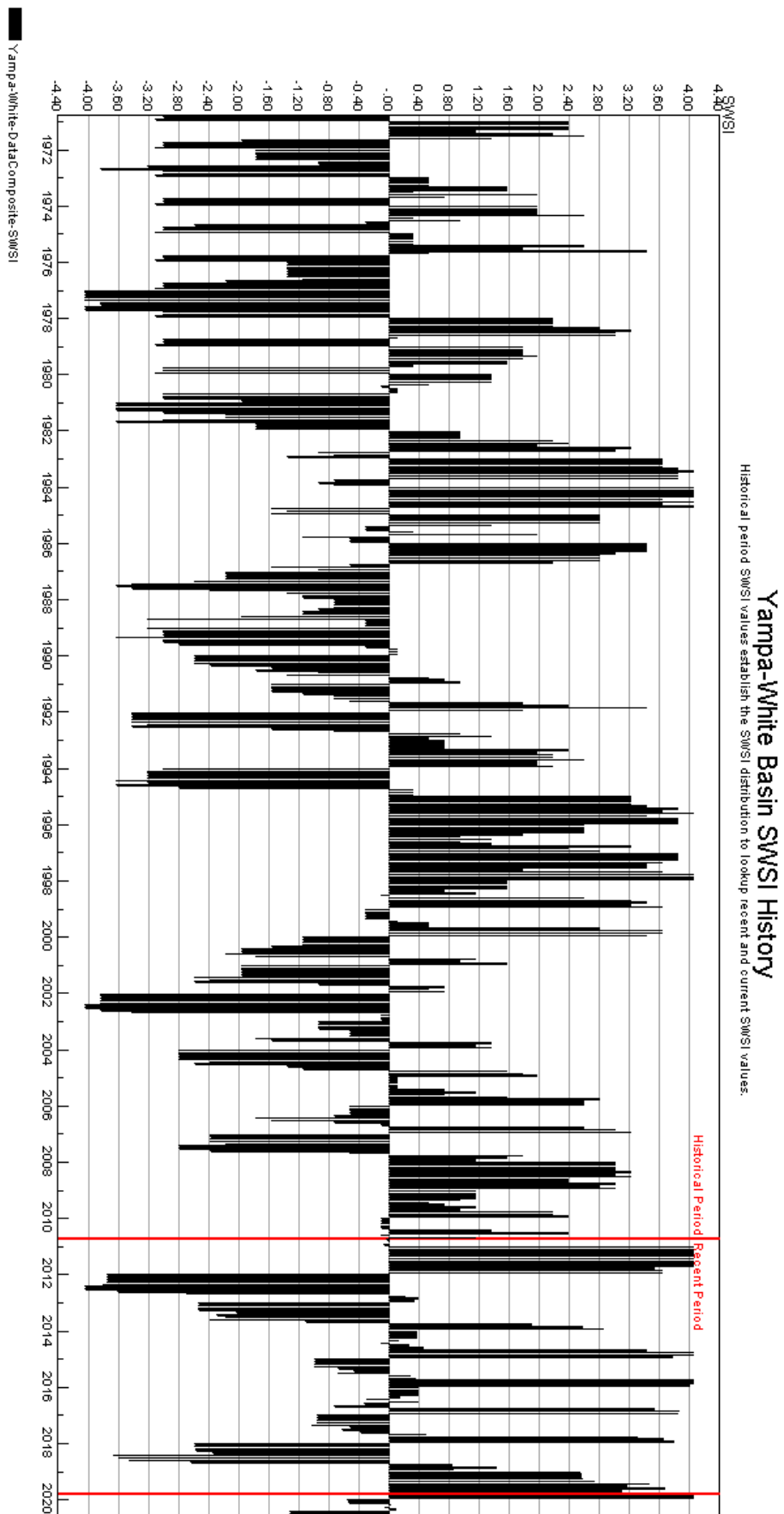
Yamcolo Reservoir - July 1<sup>st</sup>, 2020 capacity level was at 3300 AF of 9640 AF - 34.2% capacity.

*\*Averages are from 1981-2010 records*

### Administrative Concerns

Active calls in the Yampa Basin are on the Bear, Illinois and Michigan Rivers, and the Piceance, Trout, Little Bear and Talamantes Creeks.







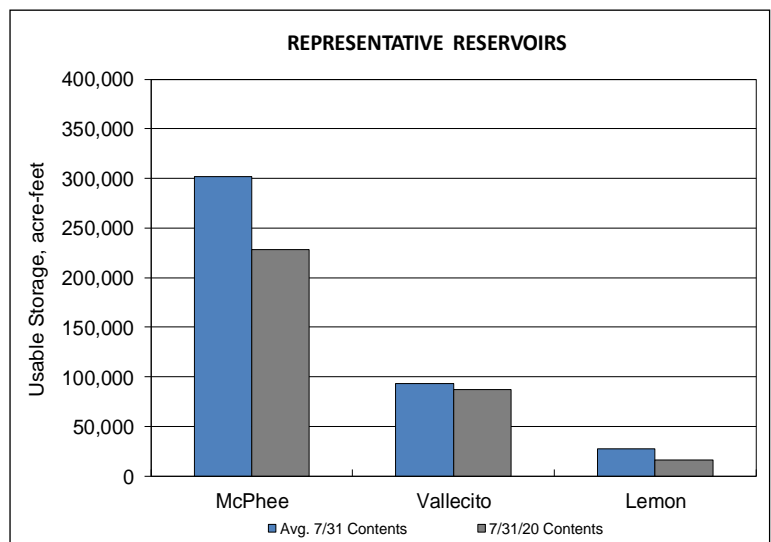
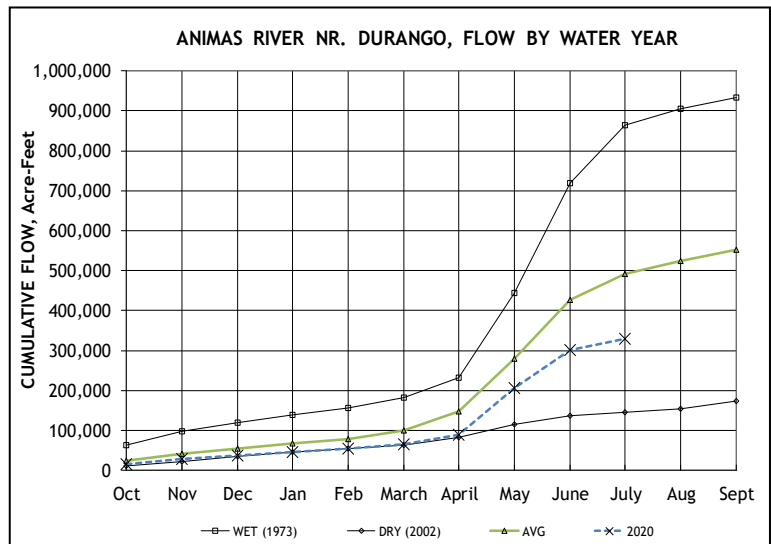
### Basinwide Conditions Assessment

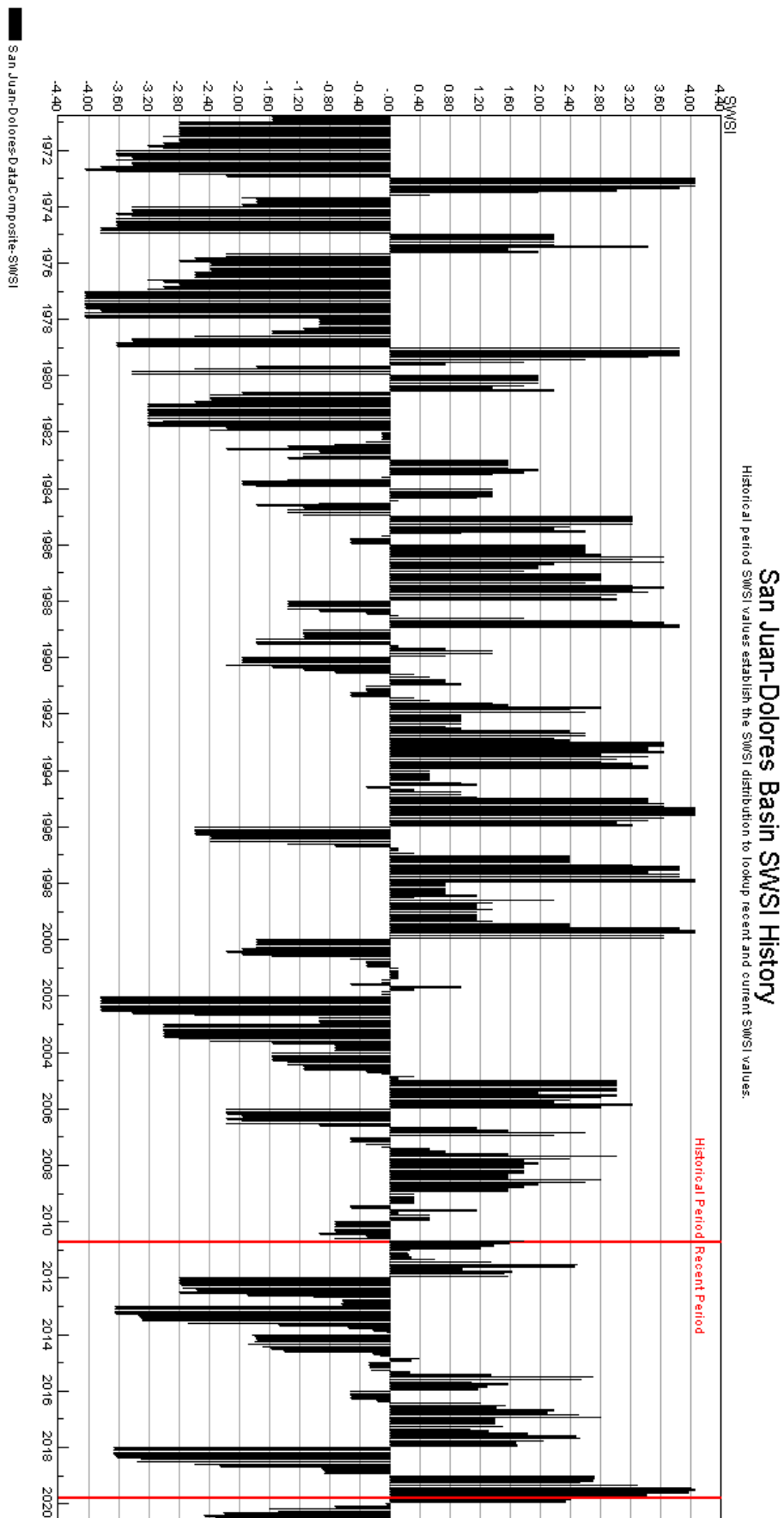
The SWSI value for the month was -2.0.

Flow at the Animas River at Durango averaged 450 cfs (39% of average). The flow at the Dolores River at Dolores averaged 149 cfs (39% of average). The La Plata River at Hesperus averaged 14.6 cfs (39% of average). Precipitation in Durango was 2.34 inches for the month, 126% of the 30-year average of 1.86 inches. Precipitation to date in Durango, for the water year is 10.5 inches, 70% of the 30-year average of 15.08 inches. The average high and low temperatures for the month of July in Durango were 89° and 52°. In comparison, the 30-year average high and low for the month is 86° and 54°. At the end of the month Vallecito Reservoir contained 86,764 acre-feet compared to its average content of 89,696 acre-feet (97% of average). McPhee Reservoir was up to 227,907 acre-feet compared to its average content of 309,021 (74% of average), while Lemon Reservoir was up to 16,050 acre-feet as compared to its average content of 26,843 acre-feet (60% of average).

### Outlook

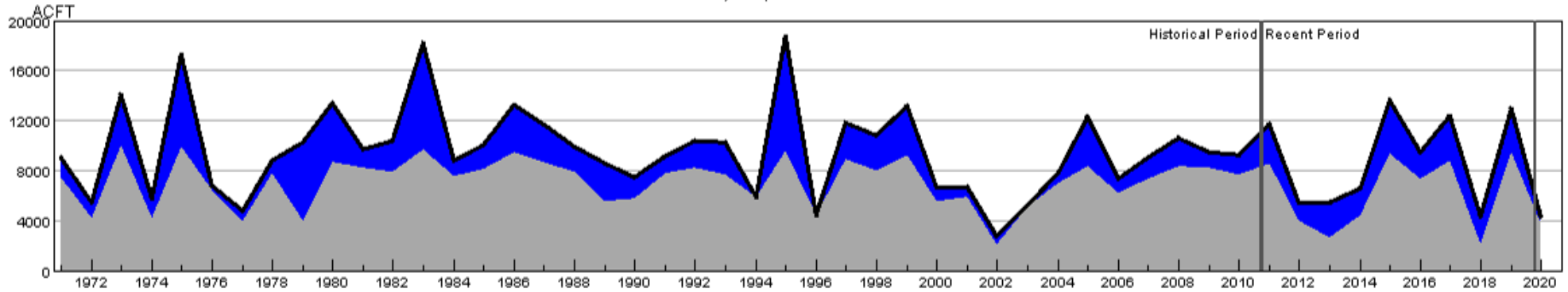
Precipitation (2.34 inches) was slightly above average for July in Durango. There were 41 years out of 125 years of record where there was more precipitation than this year. The monsoon rains typically start in July, and that was the case this year. The beginning of the monsoon rains have not been enough to get the flows in the rivers back to normal as the flows in the rivers remained well below average for the month. There are 93 out of 109 years of record where the total flow past the Animas River at Durango stream gauge was more than this year. There were 96 out of 110 years of record where the total flow past the Dolores stream gauge was more than this year and 86 out of 103 years of record where the total flow past the La Plata River at Hesperus gauge was more than this year. Most of the reservoirs within the basin fell below average for this time of year.





## HUC 14080107 (Mancos) Surface Water Supply - AUG

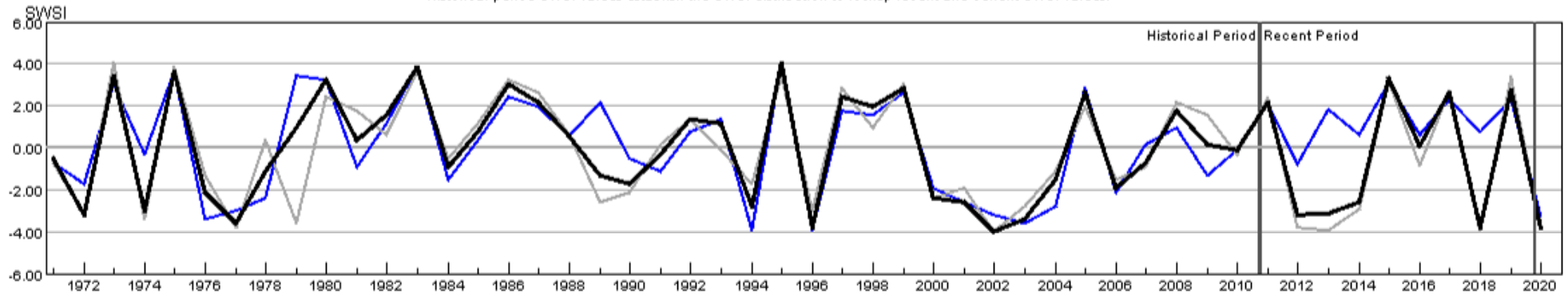
Monthly component volumes



HUC:14080107-AUG-DataComposite  
 HUC:14080107-AUG-PrevMoStreamflow  
 HUC:14080107-AUG-ForecastedRunoff  
 HUC:14080107-AUG-ReservoirStorage

## HUC 14080107 (Mancos) SWSI Values - AUG

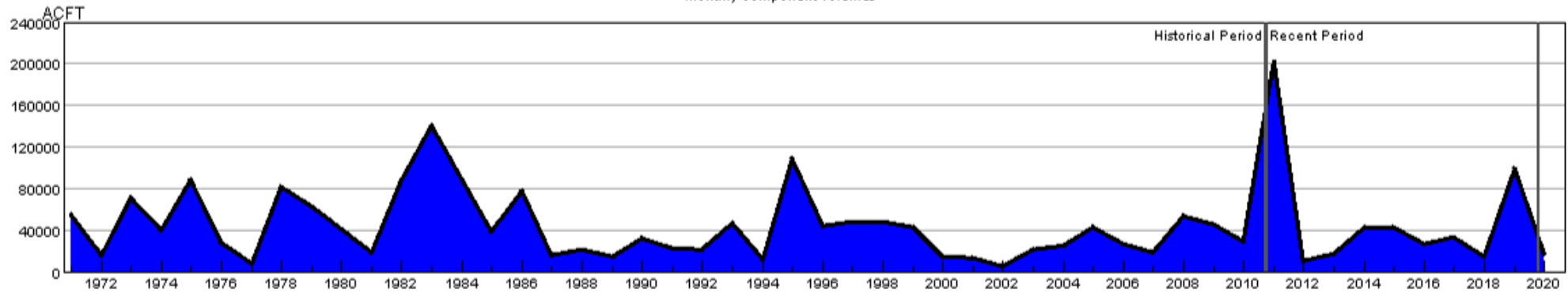
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:14080107-AUG-PrevMoStreamflow-SWSI  
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## HUC 10180001 (North Platte Headwaters) Surface Water Supply - AUG

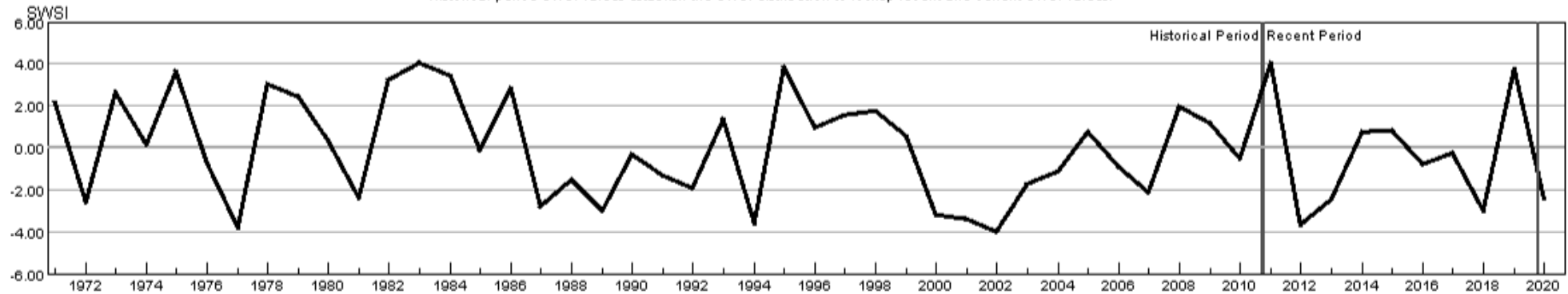
Monthly component volumes



HUC:10180001-AUG-DataComposite  
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## HUC 10180001 (North Platte Headwaters) SWSI Values - AUG

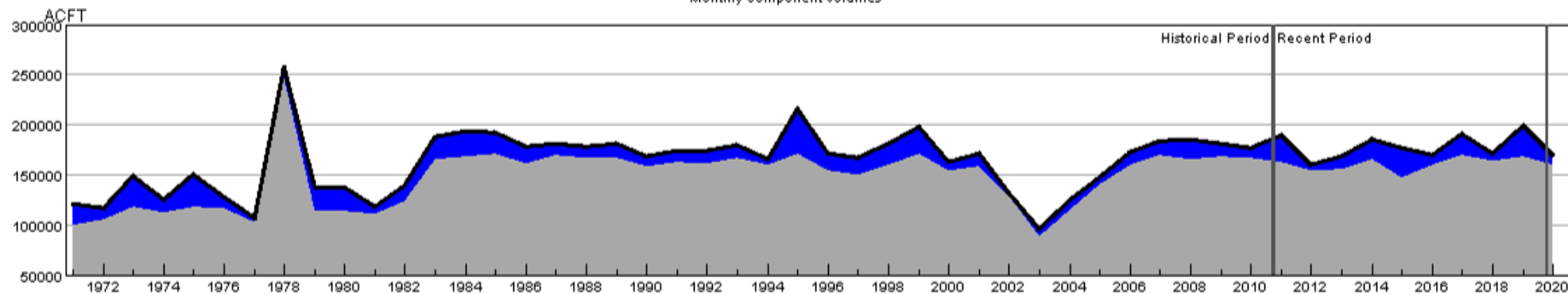
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:10180001-AUG-PrevMoStreamflow-SWSI  
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## HUC 10190001 (South Platte Headwater) Surface Water Supply - AUG

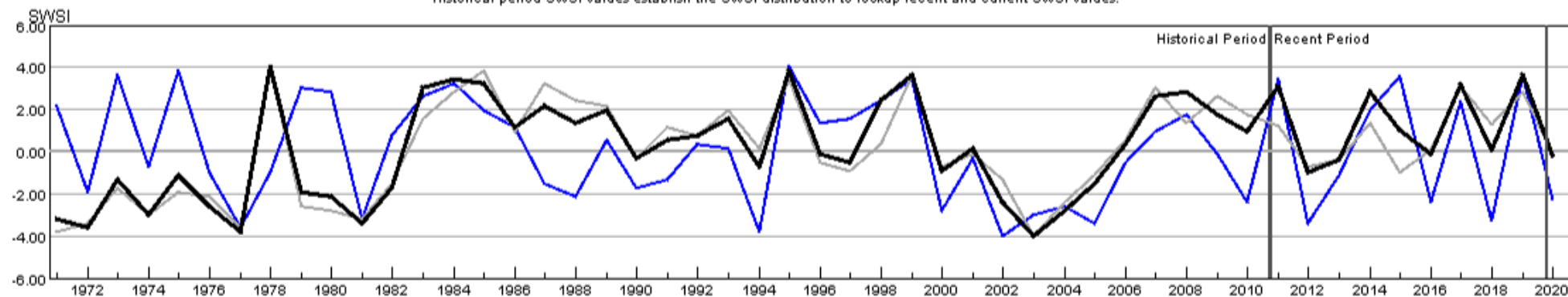
Monthly component volumes



HUC:10190001-AUG-DataComposite  
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## HUC 10190001 (South Platte Headwater) SWSI Values - AUG

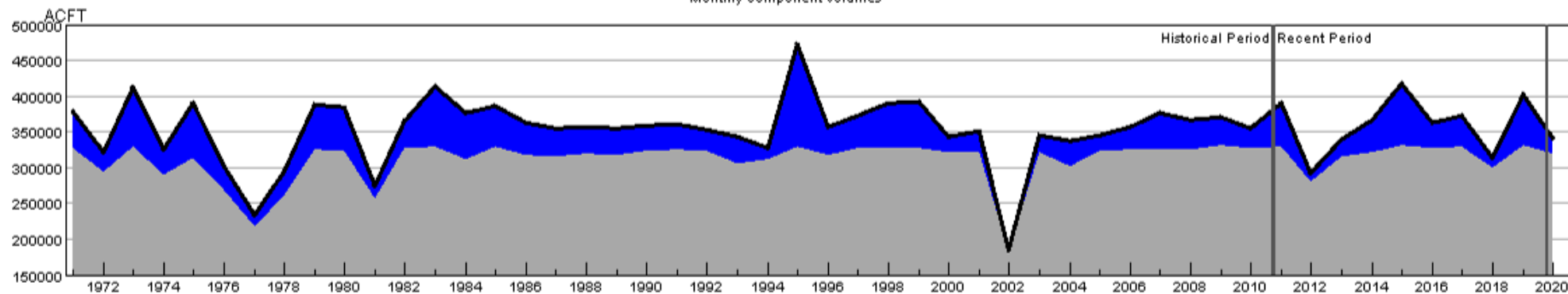
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:10190001-AUG-PrevMoStreamflow-SWSI  
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## HUC 10190002 (Upper South Platte) Surface Water Supply - AUG

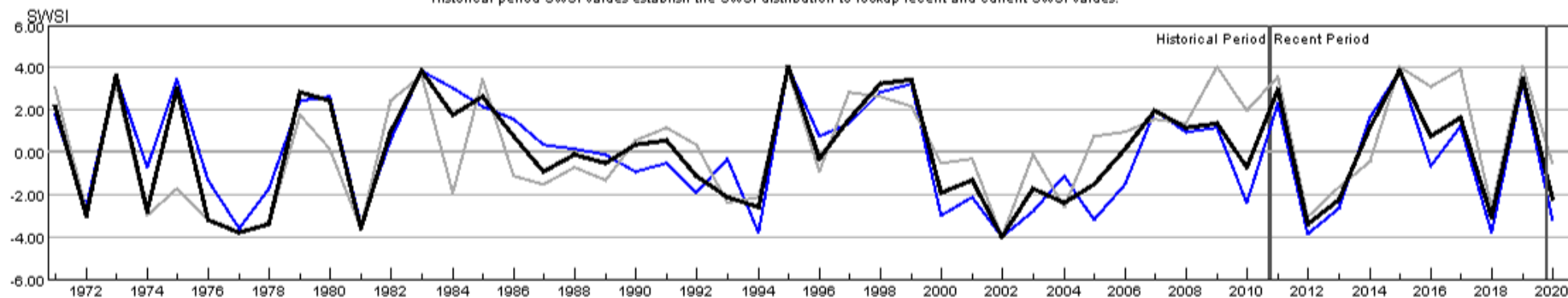
Monthly component volumes



HUC:10190002-AUG-DataComposite  
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## HUC 10190002 (Upper South Platte) SWSI Values - AUG

Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.

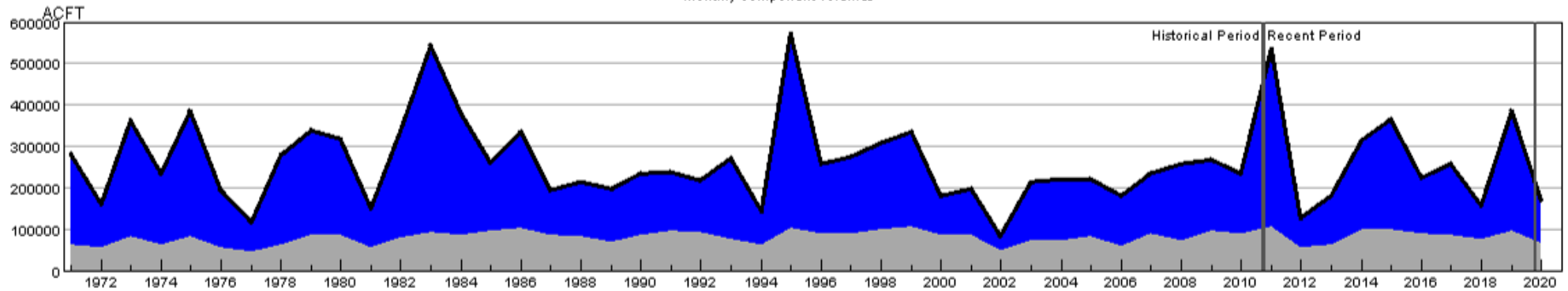


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## HUC 10190003 (Middle South Platte-Cherry Creek) Surface Water Supply - AUG

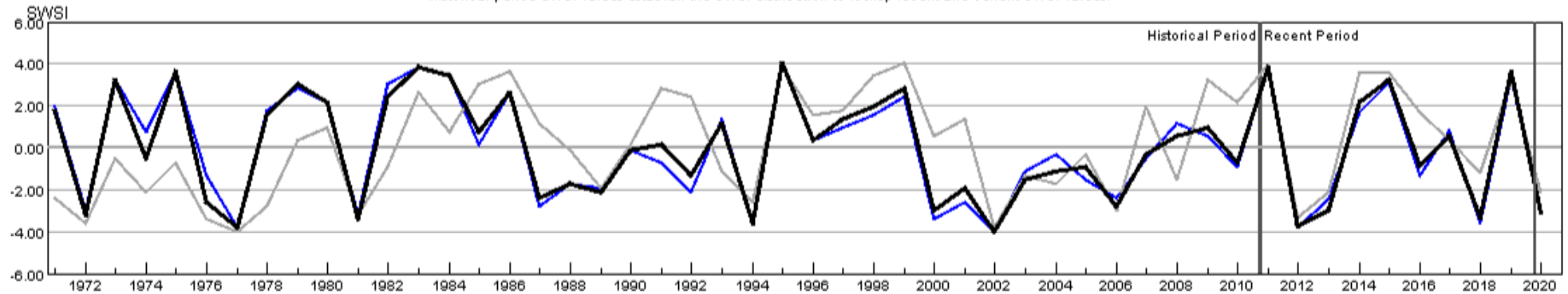
Monthly component volumes



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## HUC 10190003 (Middle South Platte-Cherry Creek) SWSI Values - AUG

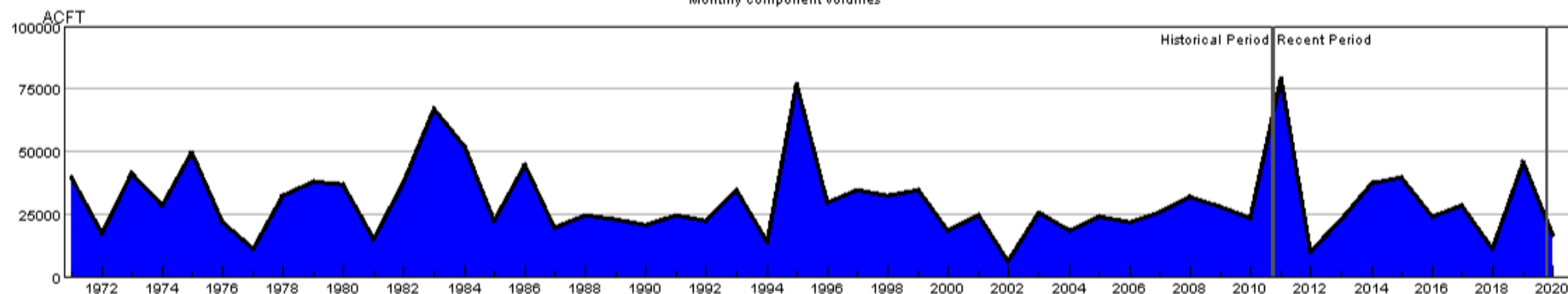
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:10190003-AUG-PrevMoStreamflow-SWSI  
 HUC:10190003-AUG-ForecastedRunoff-SWSI  
 HUC:10190003-AUG-ReservoirStorage-SWSI  
 HUC:10190003-AUG-DataComposite-SWSI

## HUC 10190004 (Clear) Surface Water Supply - AUG

Monthly component volumes



HUC:10190004-AUG-DataComposite  
 HUC:10190004-AUG-PrevMoStreamflow  
 HUC:10190004-AUG-ForecastedRunoff  
 HUC:10190004-AUG-ReservoirStorage

## HUC 10190004 (Clear) SWSI Values - AUG

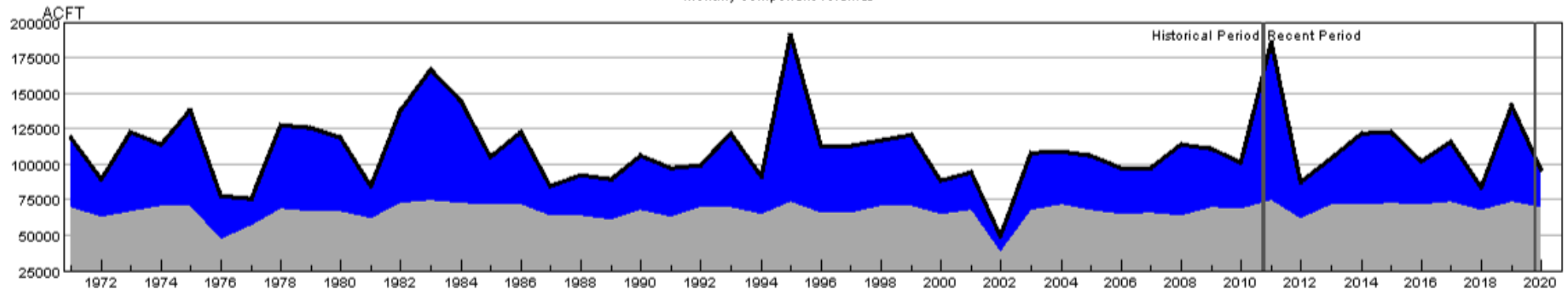
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:10190004-AUG-PrevMoStreamflow-SWSI  
 HUC:10190004-AUG-ForecastedRunoff-SWSI  
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## HUC 10190005 (St. Vrain) Surface Water Supply - AUG

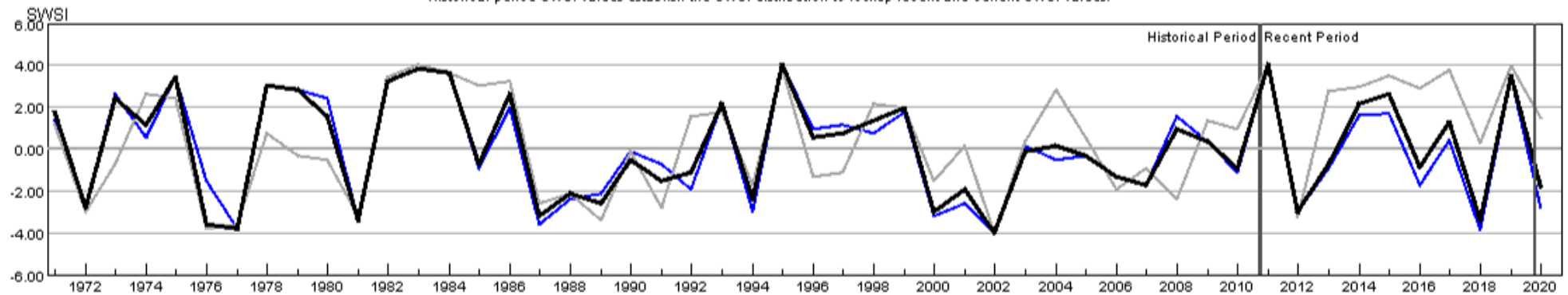
Monthly component volumes



HUC:10190005-AUG-DataComposite  
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## HUC 10190005 (St. Vrain) SWSI Values - AUG

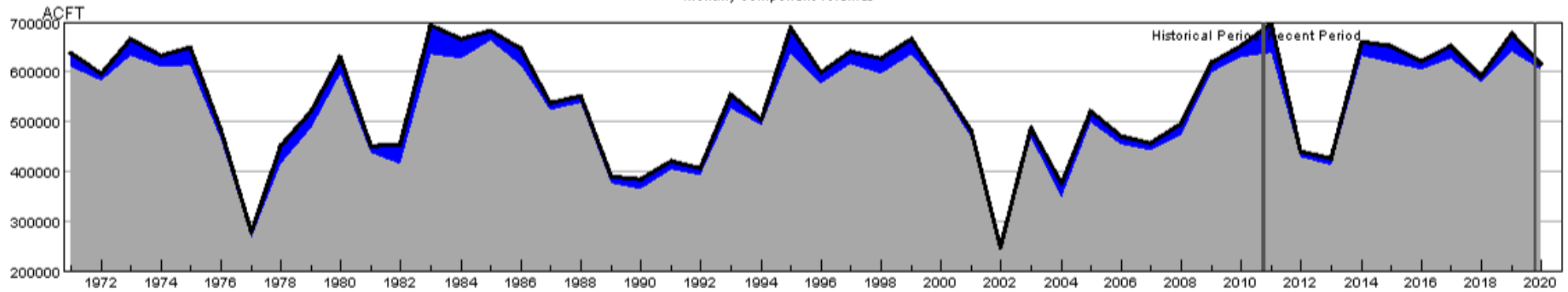
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:10190005-AUG-PrevMoStreamflow-SWSI  
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## HUC 10190006 (Big Thompson) Surface Water Supply - AUG

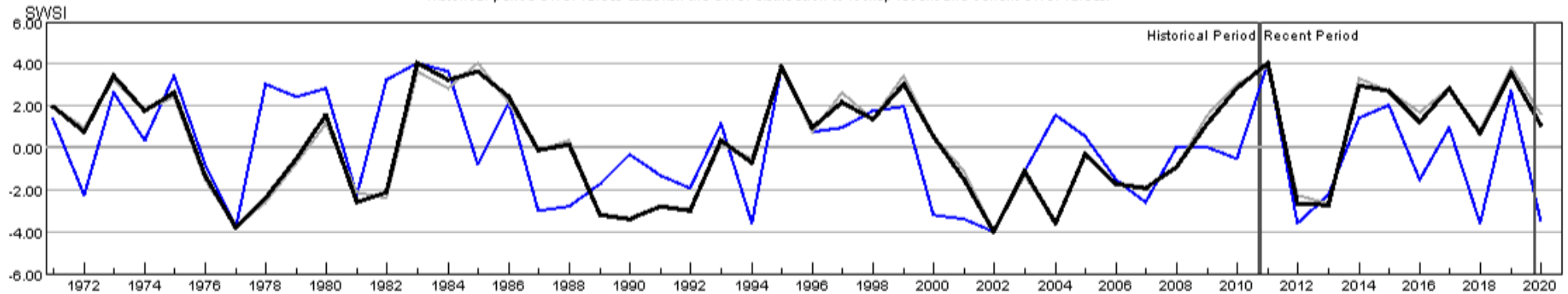
Monthly component volumes



HUC:10190006-AUG-DataComposite  
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## HUC 10190006 (Big Thompson) SWSI Values - AUG

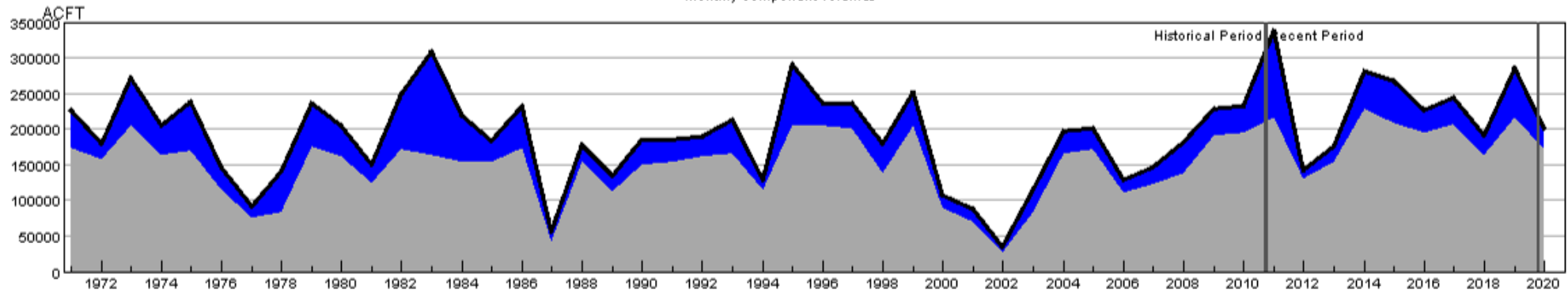
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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## HUC 10190007 (Cache La Poudre) Surface Water Supply - AUG

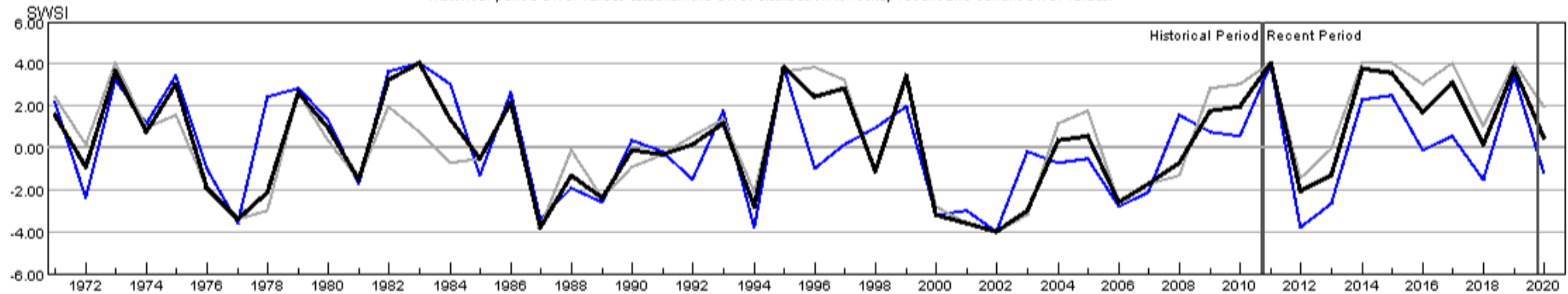
Monthly component volumes



HUC:10190007-AUG-DataComposite  
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## HUC 10190007 (Cache La Poudre) SWSI Values - AUG

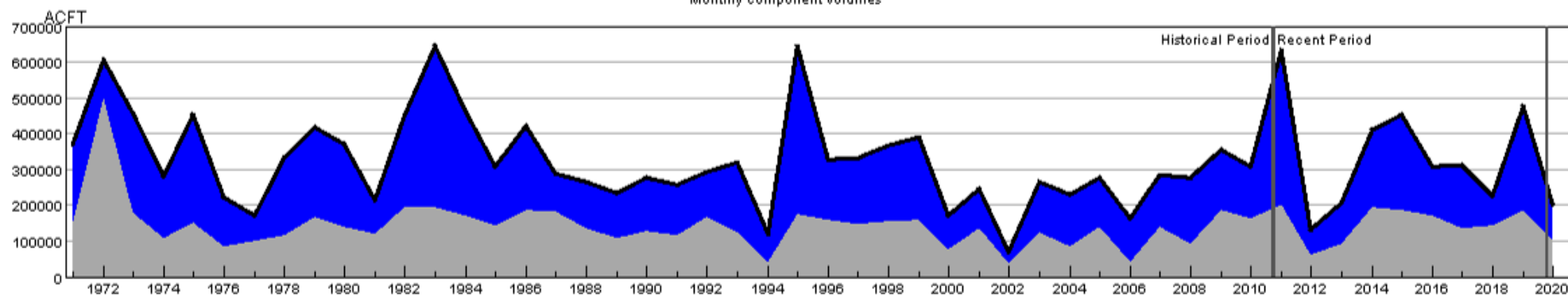
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:10190007-AUG-PrevMoStreamflow-SWSI  
 HUC:10190007-AUG-ForecastedRunoff-SWSI  
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## HUC 10190012 (Middle South Platte-Sterling) Surface Water Supply - AUG

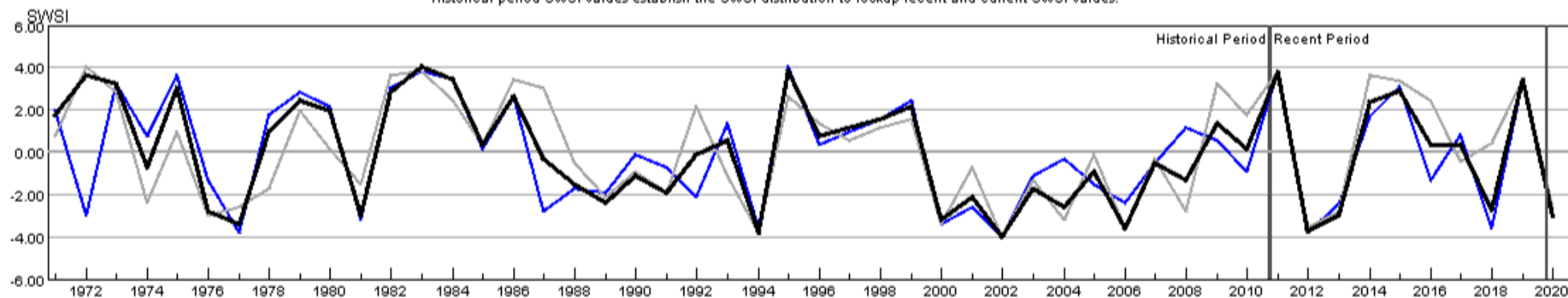
Monthly component volumes



HUC:10190012-AUG-DataComposite  
 HUC:10190012-AUG-PrevMoStreamflow  
 HUC:10190012-AUG-ForecastedRunoff  
 HUC:10190012-AUG-ReservoirStorage

## HUC 10190012 (Middle South Platte-Sterling) SWSI Values - AUG

Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.

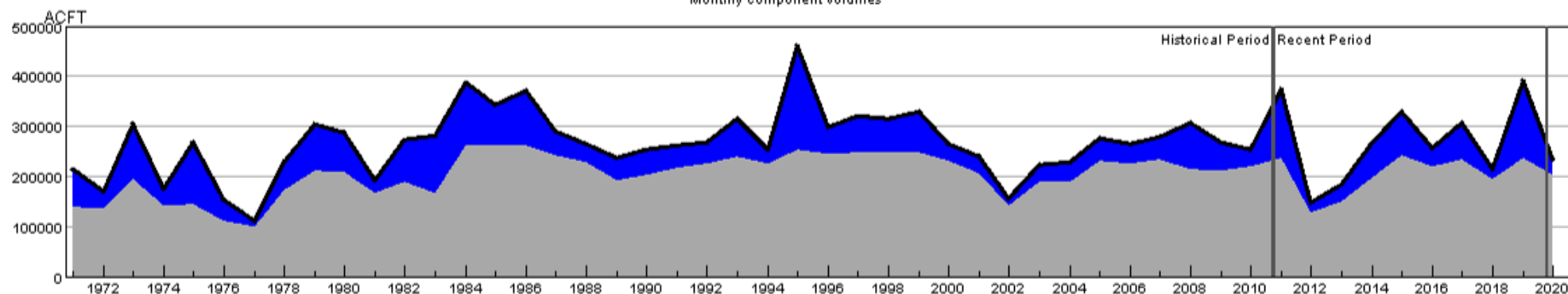


HUC:10190012-AUG-PrevMoStreamflow-SWSI  
 HUC:10190012-AUG-ForecastedRunoff-SWSI  
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## HUC 11020001 (Arkansas Headwaters) Surface Water Supply - AUG

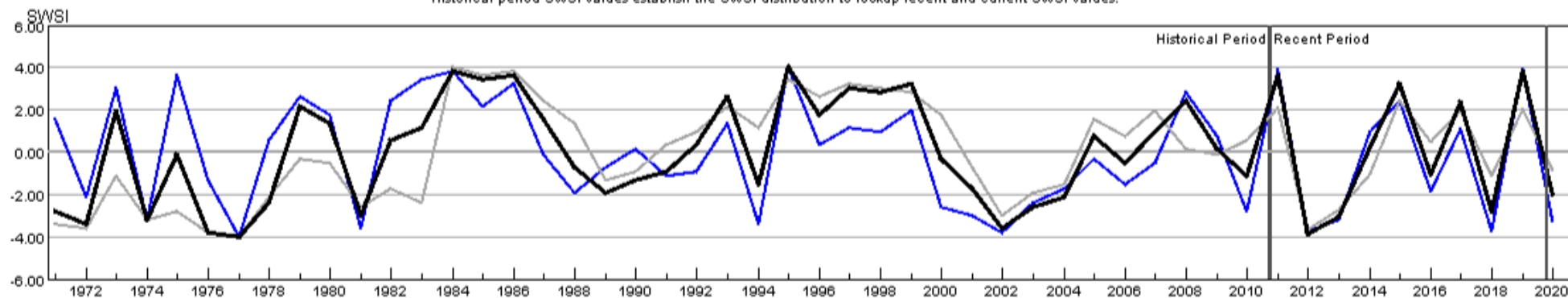
Monthly component volumes



HUC:11020001-AUG-DataComposite  
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## HUC 11020001 (Arkansas Headwaters) SWSI Values - AUG

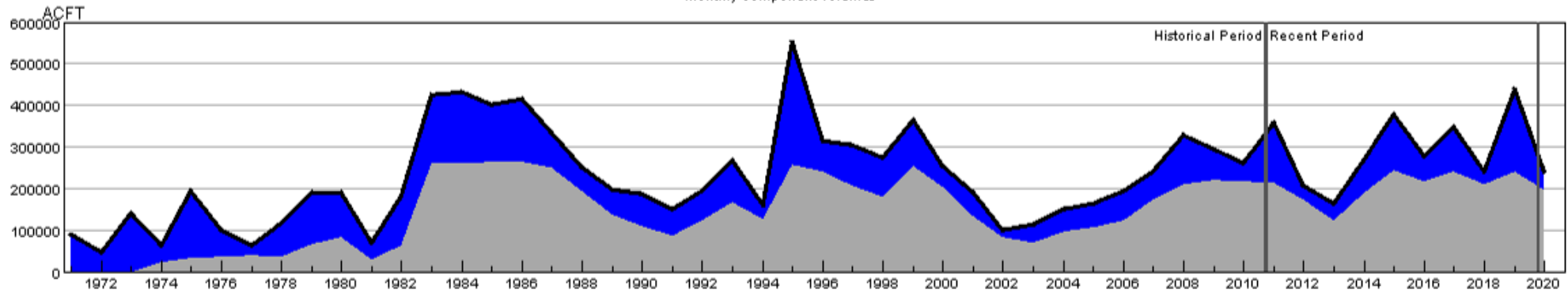
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:11020001-AUG-PrevMoStreamflow-SWSI  
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## HUC 11020002 (Upper Arkansas) Surface Water Supply - AUG

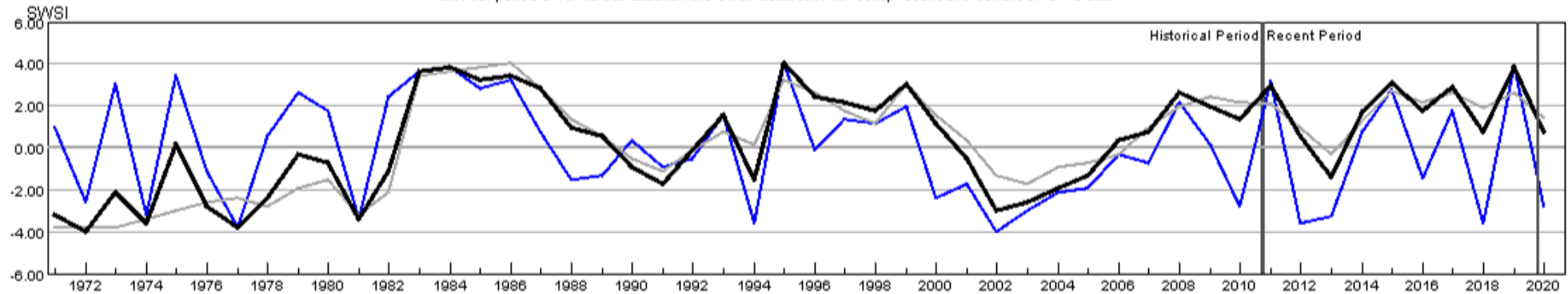
Monthly component volumes



HUC:11020002-AUG-DataComposite  
 HUC:11020002-AUG-PrevMoStreamflow  
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## HUC 11020002 (Upper Arkansas) SWSI Values - AUG

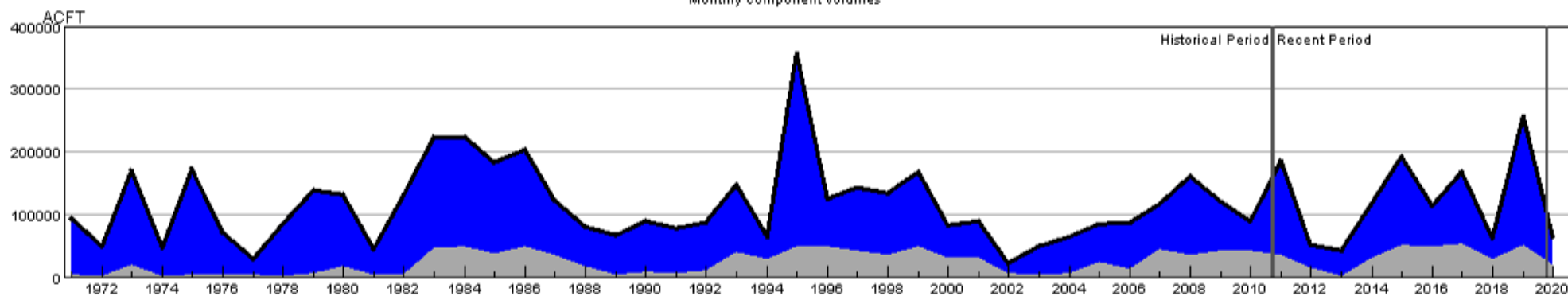
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:11020002-AUG-PrevMoStreamflow-SWSI  
 HUC:11020002-AUG-ForecastedRunoff-SWSI  
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## HUC 11020005 (Upper Arkansas-Lake Meredith) Surface Water Supply - AUG

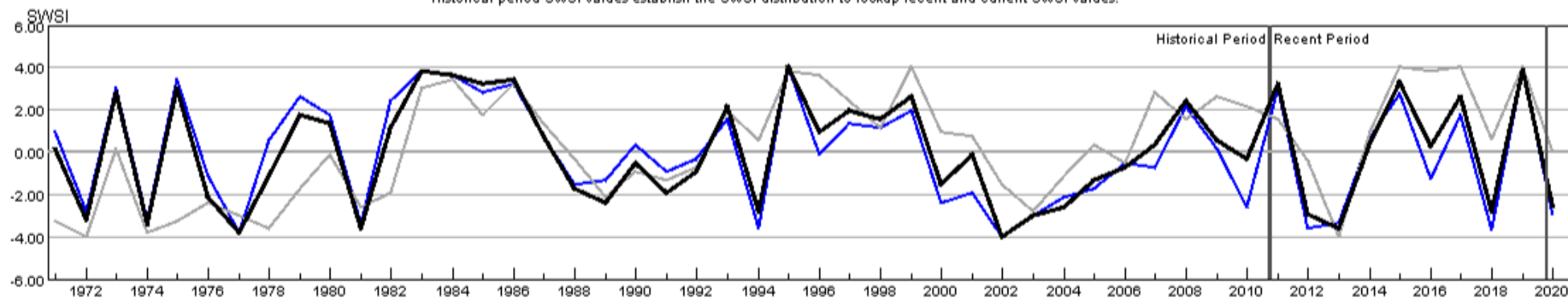
Monthly component volumes



HUC:11020005-AUG-DataComposite  
 HUC:11020005-AUG-PrevMoStreamflow  
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## HUC 11020005 (Upper Arkansas-Lake Meredith) SWSI Values - AUG

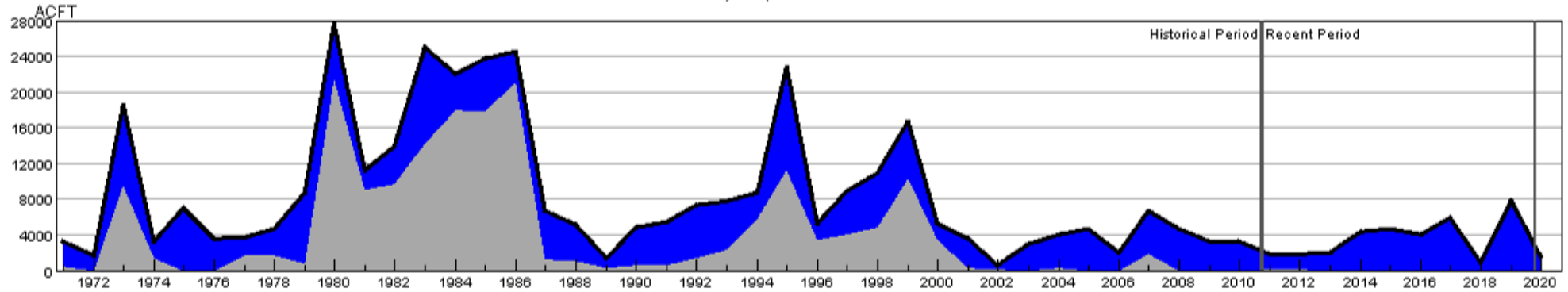
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:11020005-AUG-PrevMoStreamflow-SWSI  
 HUC:11020005-AUG-ForecastedRunoff-SWSI  
 HUC:11020005-AUG-ReservoirStorage-SWSI  
 HUC:11020005-AUG-DataComposite-SWSI

## HUC 11020006 (Huerfano) Surface Water Supply - AUG

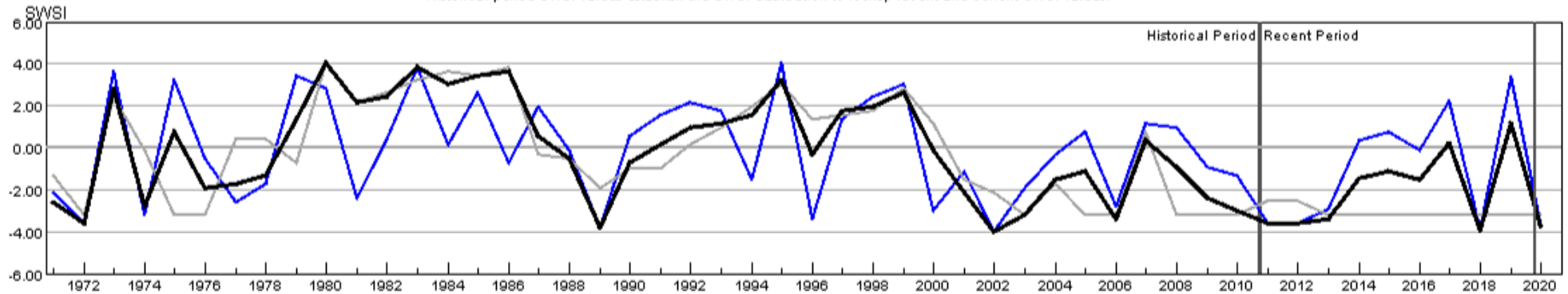
Monthly component volumes



HUC:11020006-AUG-DataComposite  
 HUC:11020006-AUG-PrevMoStreamflow  
 HUC:11020006-AUG-ForecastedRunoff  
 HUC:11020006-AUG-ReservoirStorage

## HUC 11020006 (Huerfano) SWSI Values - AUG

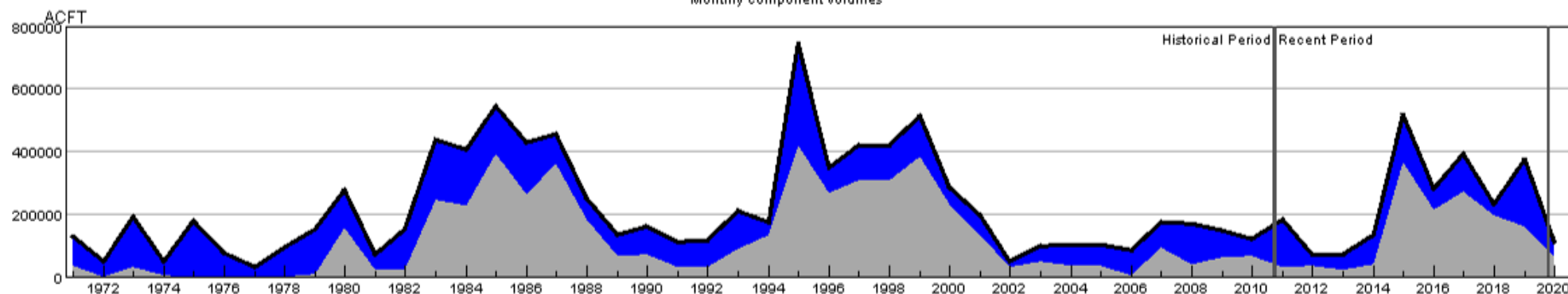
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:11020006-AUG-PrevMoStreamflow-SWSI  
 HUC:11020006-AUG-ForecastedRunoff-SWSI  
 HUC:11020006-AUG-ReservoirStorage-SWSI  
 HUC:11020006-AUG-DataComposite-SWSI

## HUC 11020009 (Upper Arkansas-John Martin Reservoir) Surface Water Supply - AUG

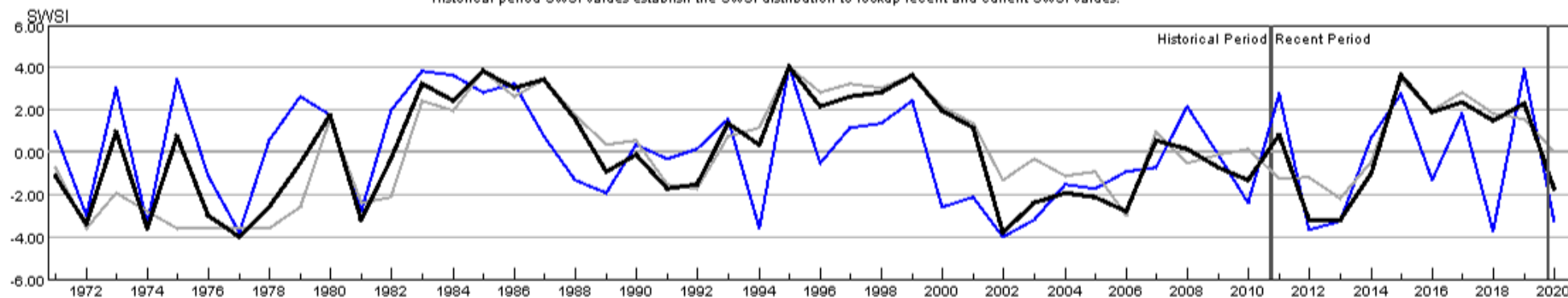
Monthly component volumes



HUC:11020009-AUG-DataComposite  
 HUC:11020009-AUG-PrevMoStreamflow  
 HUC:11020009-AUG-ForecastedRunoff  
 HUC:11020009-AUG-ReservoirStorage

## HUC 11020009 (Upper Arkansas-John Martin Reservoir) SWSI Values - AUG

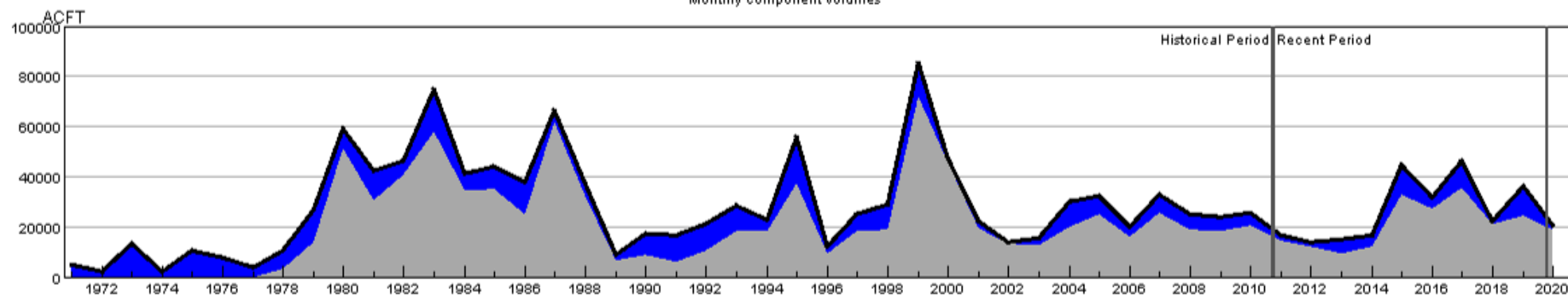
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:11020009-AUG-PrevMoStreamflow-SWSI  
 HUC:11020009-AUG-ForecastedRunoff-SWSI  
 HUC:11020009-AUG-ReservoirStorage-SWSI  
 HUC:11020009-AUG-DataComposite-SWSI

## HUC 11020010 (Purgatoire) Surface Water Supply - AUG

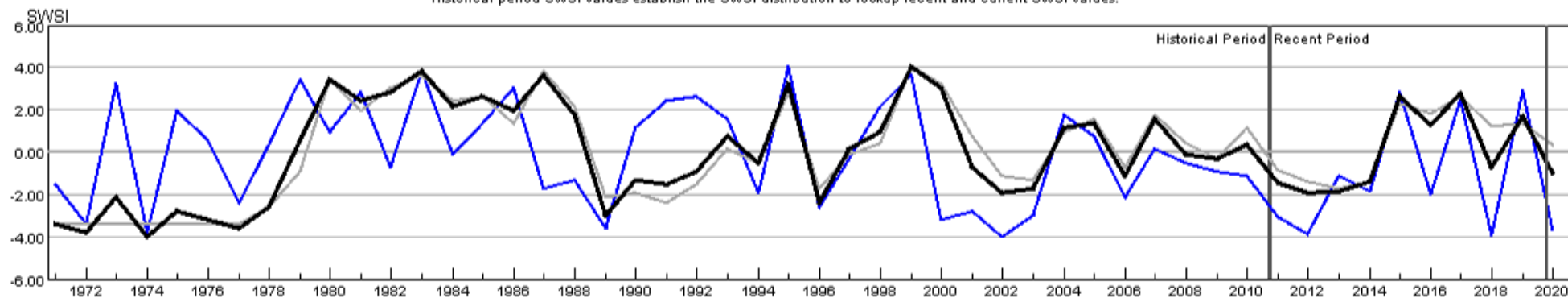
Monthly component volumes



HUC:11020010-AUG-DataComposite  
 HUC:11020010-AUG-PrevMoStreamflow  
 HUC:11020010-AUG-ForecastedRunoff  
 HUC:11020010-AUG-ReservoirStorage

## HUC 11020010 (Purgatoire) SWSI Values - AUG

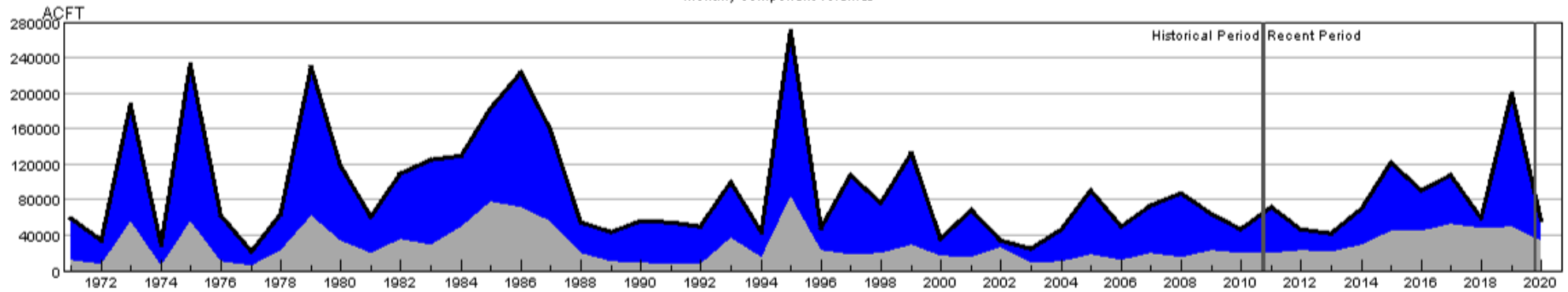
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:11020010-AUG-PrevMoStreamflow-SWSI  
 HUC:11020010-AUG-ForecastedRunoff-SWSI  
 HUC:11020010-AUG-ReservoirStorage-SWSI  
 HUC:11020010-AUG-DataComposite-SWSI

## HUC 13010001 (Rio Grande Headwaters) Surface Water Supply - AUG

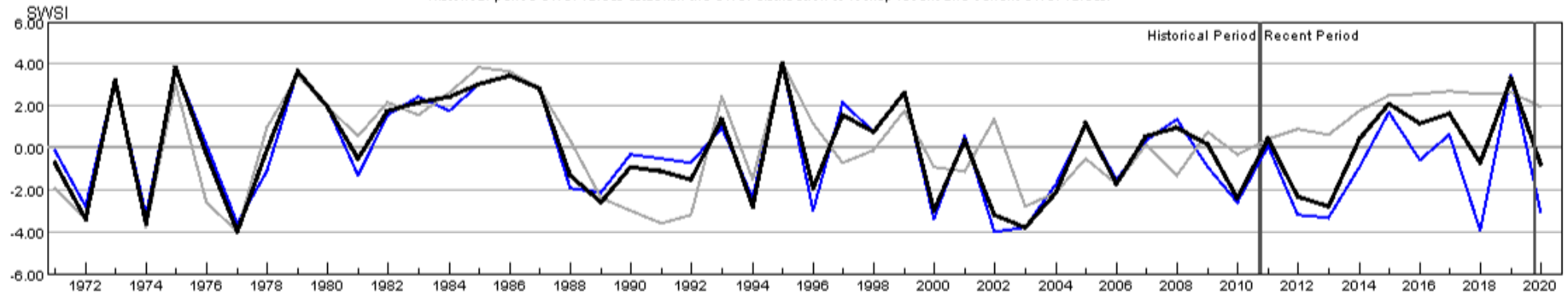
Monthly component volumes



HUC:13010001-AUG-DataComposite  
 HUC:13010001-AUG-PrevMoStreamflow  
 HUC:13010001-AUG-ForecastedRunoff  
 HUC:13010001-AUG-ReservoirStorage

## HUC 13010001 (Rio Grande Headwaters) SWSI Values - AUG

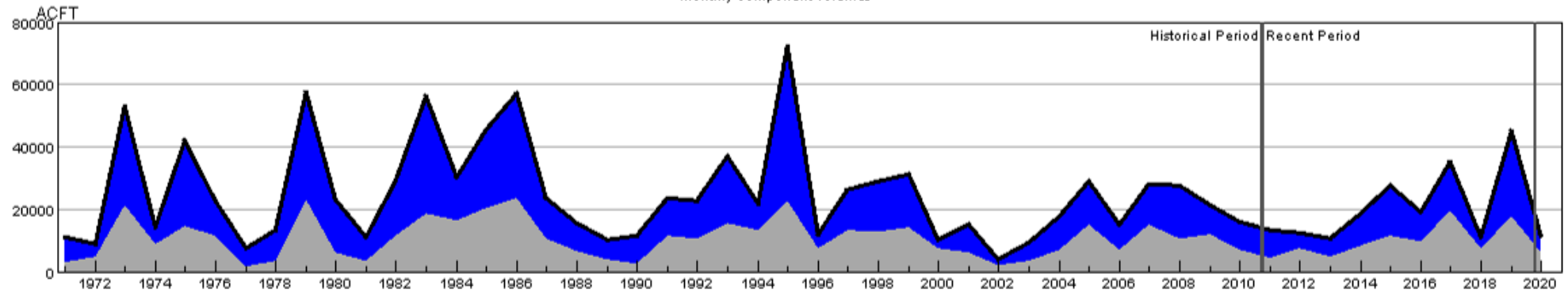
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:13010001-AUG-PrevMoStreamflow-SWSI  
 HUC:13010001-AUG-ForecastedRunoff-SWSI  
 HUC:13010001-AUG-ReservoirStorage-SWSI  
 HUC:13010001-AUG-DataComposite-SWSI

## HUC 13010002 (Alamosa-Trinchera) Surface Water Supply - AUG

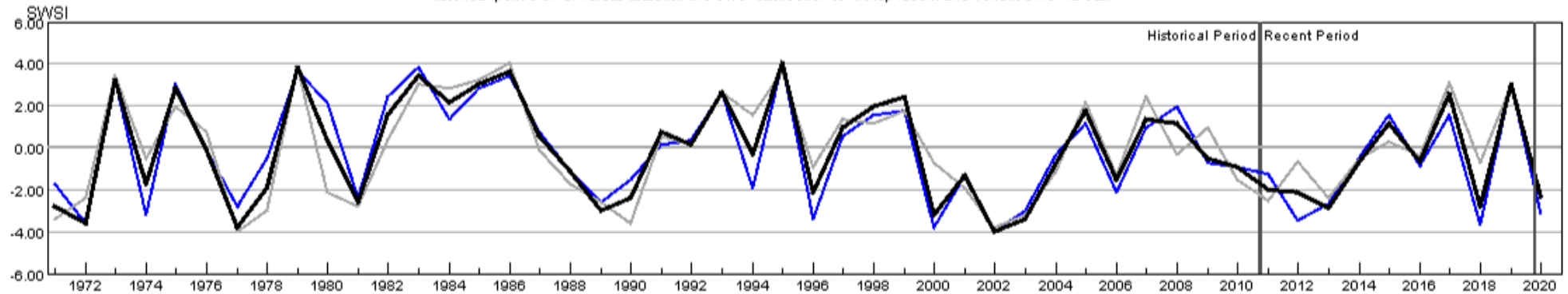
Monthly component volumes



HUC:13010002-AUG-DataComposite  
 HUC:13010002-AUG-PrevMoStreamflow  
 HUC:13010002-AUG-ForecastedRunoff  
 HUC:13010002-AUG-ReservoirStorage

## HUC 13010002 (Alamosa-Trinchera) SWSI Values - AUG

Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.

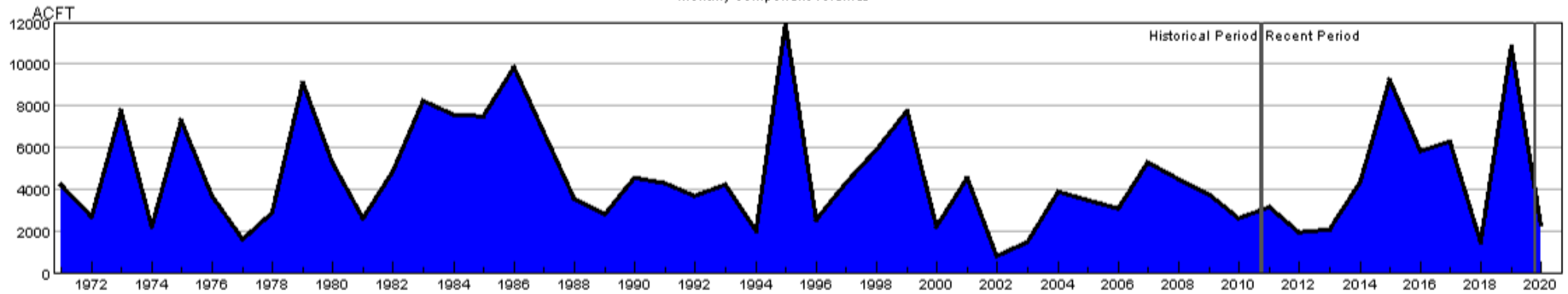


HUC:13010002-AUG-PrevMoStreamflow-SWSI  
 HUC:13010002-AUG-ForecastedRunoff-SWSI  
 HUC:13010002-AUG-ReservoirStorage-SWSI  
 HUC:13010002-AUG-DataComposite-SWSI



## HUC 13010004 (Saguache) Surface Water Supply - AUG

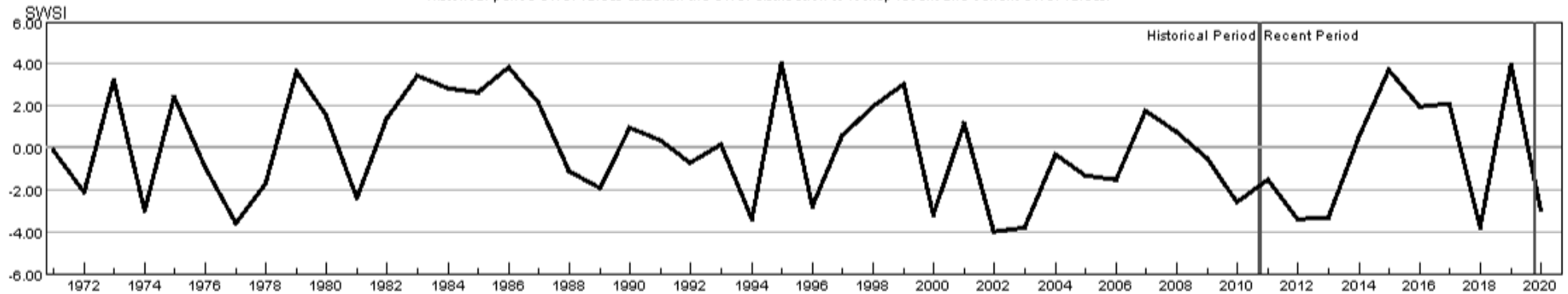
Monthly component volumes



HUC:13010004-AUG-DataComposite  
 HUC:13010004-AUG-PrevMoStreamflow  
 HUC:13010004-AUG-ForecastedRunoff  
 HUC:13010004-AUG-ReservoirStorage

## HUC 13010004 (Saguache) SWSI Values - AUG

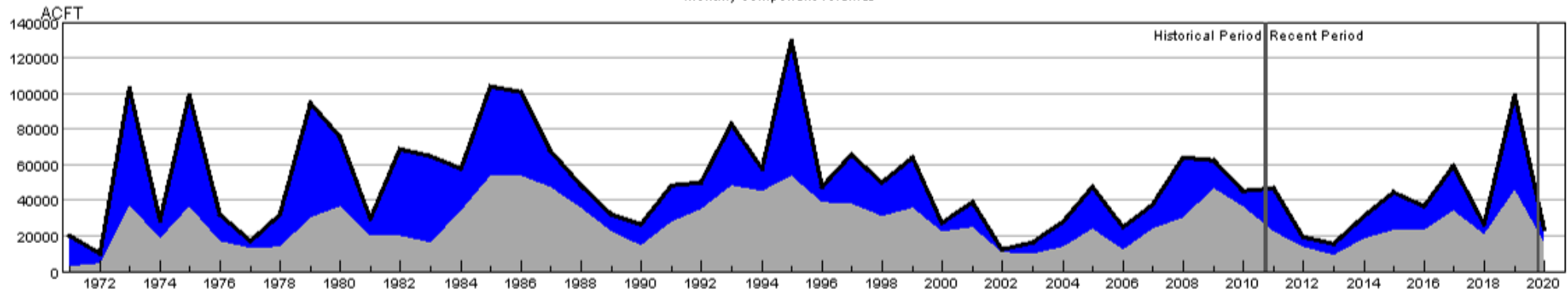
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:13010004-AUG-PrevMoStreamflow-SWSI  
 HUC:13010004-AUG-ForecastedRunoff-SWSI  
 HUC:13010004-AUG-ReservoirStorage-SWSI  
 HUC:13010004-AUG-DataComposite-SWSI

## HUC 13010005 (Conejos) Surface Water Supply - AUG

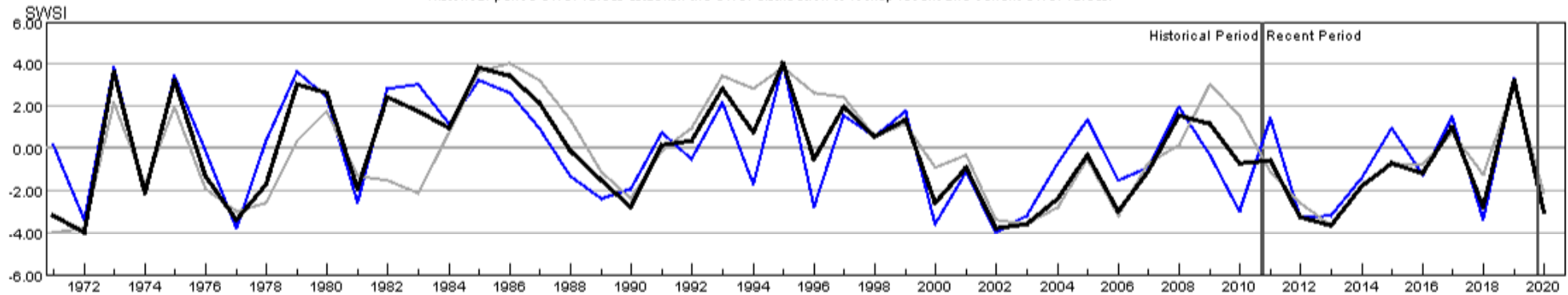
Monthly component volumes



HUC:13010005-AUG-DataComposite  
 HUC:13010005-AUG-PrevMoStreamflow  
 HUC:13010005-AUG-ForecastedRunoff  
 HUC:13010005-AUG-ReservoirStorage

## HUC 13010005 (Conejos) SWSI Values - AUG

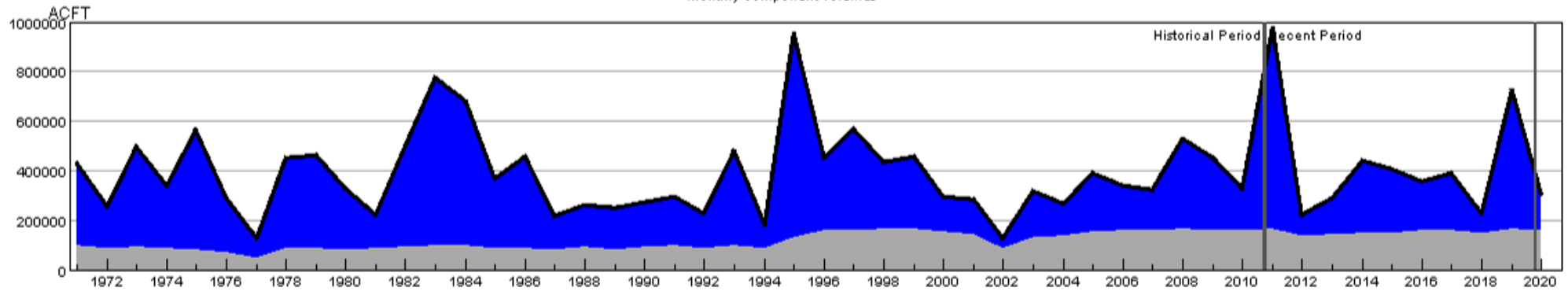
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:13010005-AUG-PrevMoStreamflow-SWSI  
 HUC:13010005-AUG-ForecastedRunoff-SWSI  
 HUC:13010005-AUG-ReservoirStorage-SWSI  
 HUC:13010005-AUG-DataComposite-SWSI

## HUC 14010001 (Colorado Headwaters) Surface Water Supply - AUG

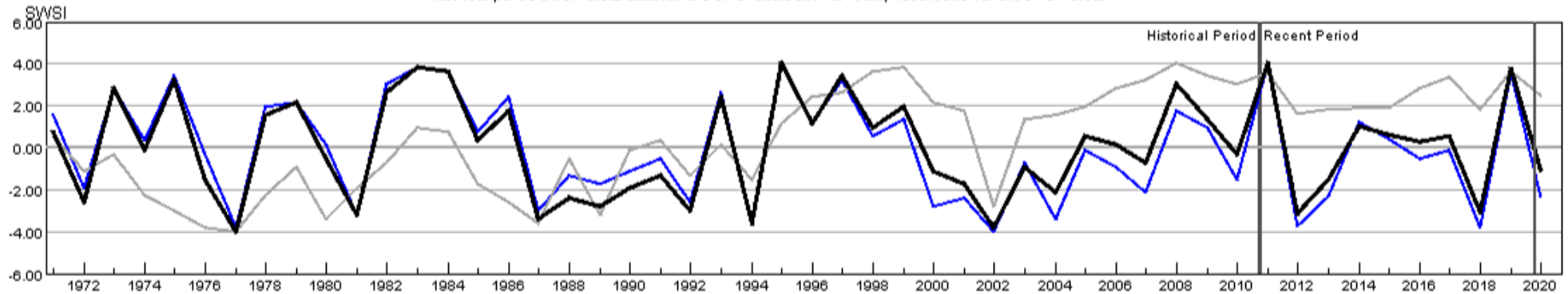
Monthly component volumes



HUC:14010001-AUG-DataComposite  
 HUC:14010001-AUG-PrevMoStreamflow  
 HUC:14010001-AUG-ForecastedRunoff  
 HUC:14010001-AUG-ReservoirStorage

## HUC 14010001 (Colorado Headwaters) SWSI Values - AUG

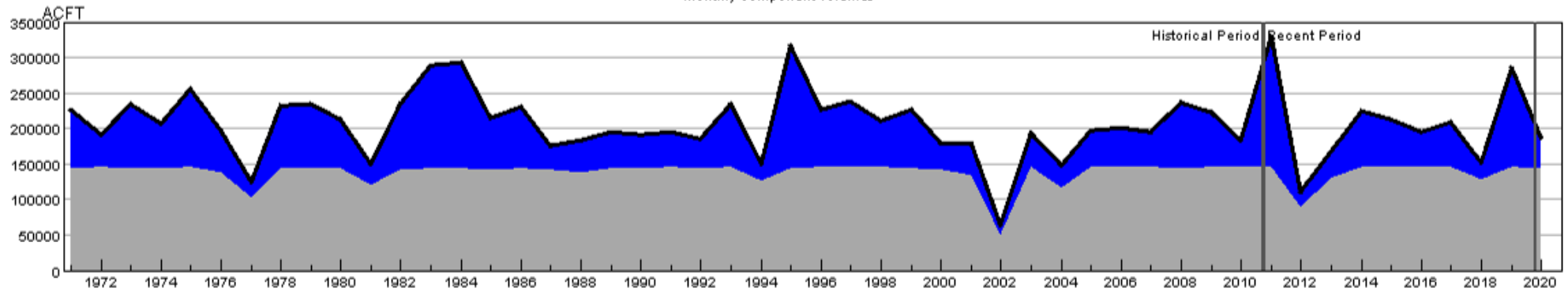
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:14010001-AUG-PrevMoStreamflow-SWSI  
 HUC:14010001-AUG-ForecastedRunoff-SWSI  
 HUC:14010001-AUG-ReservoirStorage-SWSI  
 HUC:14010001-AUG-DataComposite-SWSI

## HUC 14010002 (Blue) Surface Water Supply - AUG

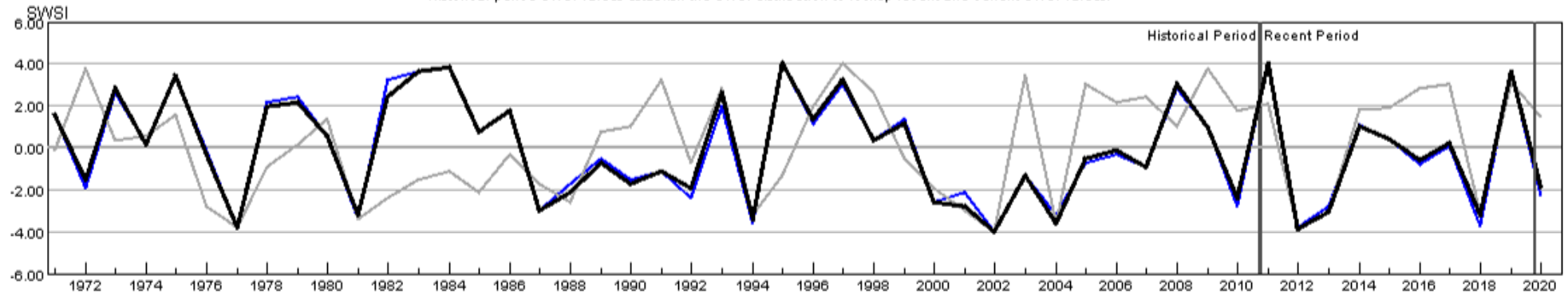
Monthly component volumes



HUC:14010002-AUG-DataComposite  
 HUC:14010002-AUG-PrevMoStreamflow  
 HUC:14010002-AUG-ForecastedRunoff  
 HUC:14010002-AUG-ReservoirStorage

## HUC 14010002 (Blue) SWSI Values - AUG

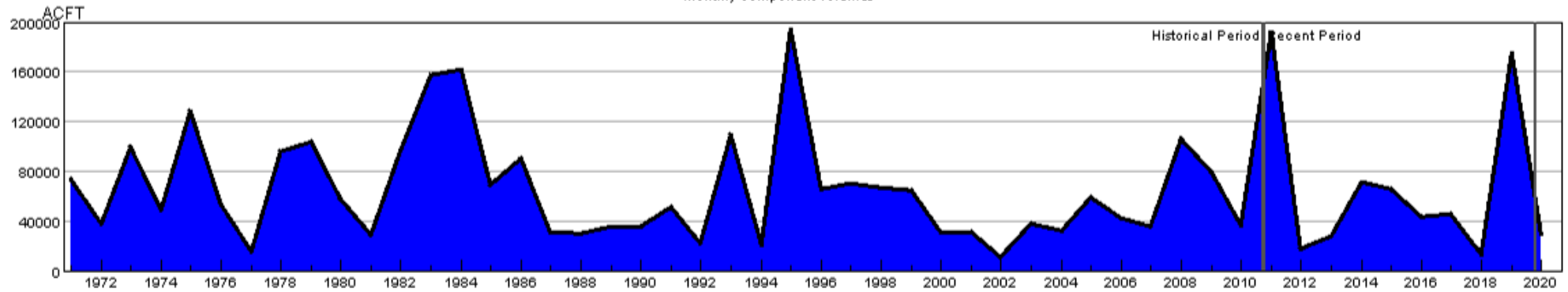
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:14010002-AUG-PrevMoStreamflow-SWSI  
 HUC:14010002-AUG-ForecastedRunoff-SWSI  
 HUC:14010002-AUG-ReservoirStorage-SWSI  
 HUC:14010002-AUG-DataComposite-SWSI

## HUC 14010003 (Eagle) Surface Water Supply - AUG

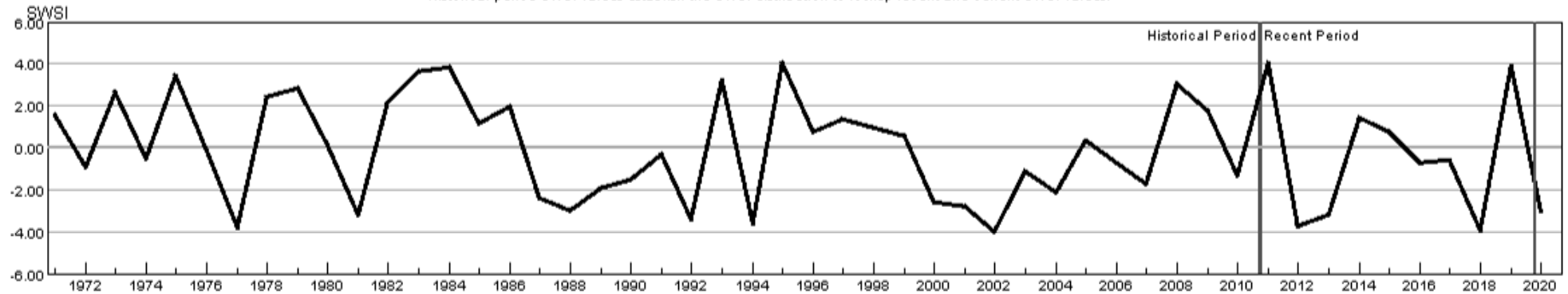
Monthly component volumes



HUC:14010003-AUG-DataComposite  
 HUC:14010003-AUG-PrevMoStreamflow  
 HUC:14010003-AUG-ForecastedRunoff  
 HUC:14010003-AUG-ReservoirStorage

## HUC 14010003 (Eagle) SWSI Values - AUG

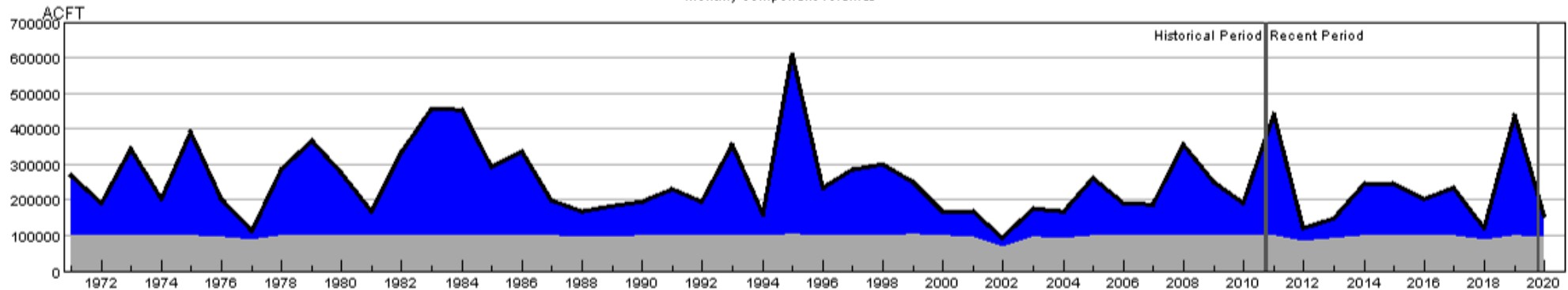
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:14010003-AUG-PrevMoStreamflow-SWSI  
 HUC:14010003-AUG-ForecastedRunoff-SWSI  
 HUC:14010003-AUG-ReservoirStorage-SWSI  
 HUC:14010003-AUG-DataComposite-SWSI

## HUC 14010004 (Roaring Fork) Surface Water Supply - AUG

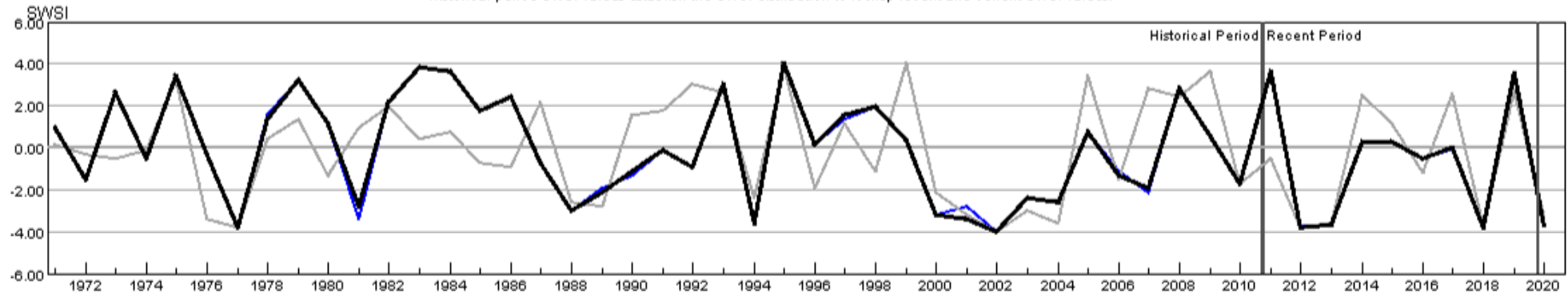
Monthly component volumes



HUC:14010004-AUG-DataComposite  
 HUC:14010004-AUG-PrevMoStreamflow  
 HUC:14010004-AUG-ForecastedRunoff  
 HUC:14010004-AUG-ReservoirStorage

## HUC 14010004 (Roaring Fork) SWSI Values - AUG

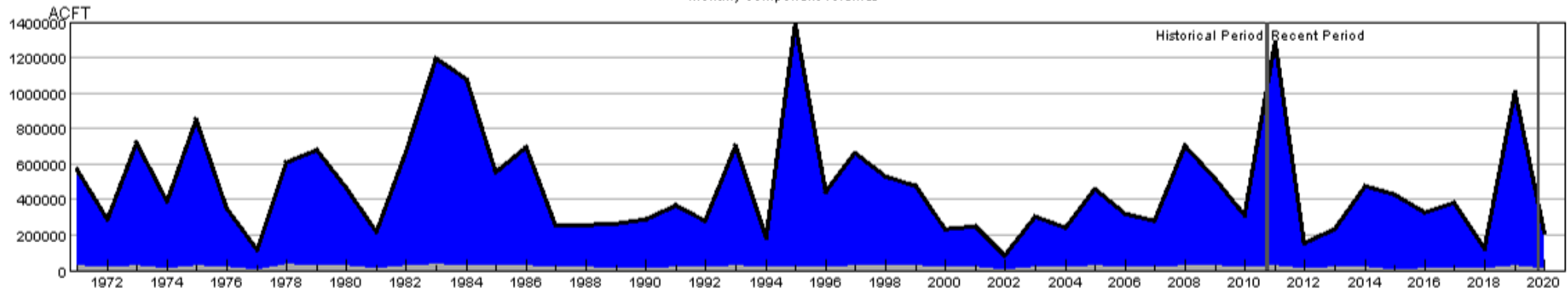
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:14010004-AUG-PrevMoStreamflow-SWSI  
 HUC:14010004-AUG-ForecastedRunoff-SWSI  
 HUC:14010004-AUG-ReservoirStorage-SWSI  
 HUC:14010004-AUG-DataComposite-SWSI

## HUC 14010005 (Colorado Headwaters-Plateau) Surface Water Supply - AUG

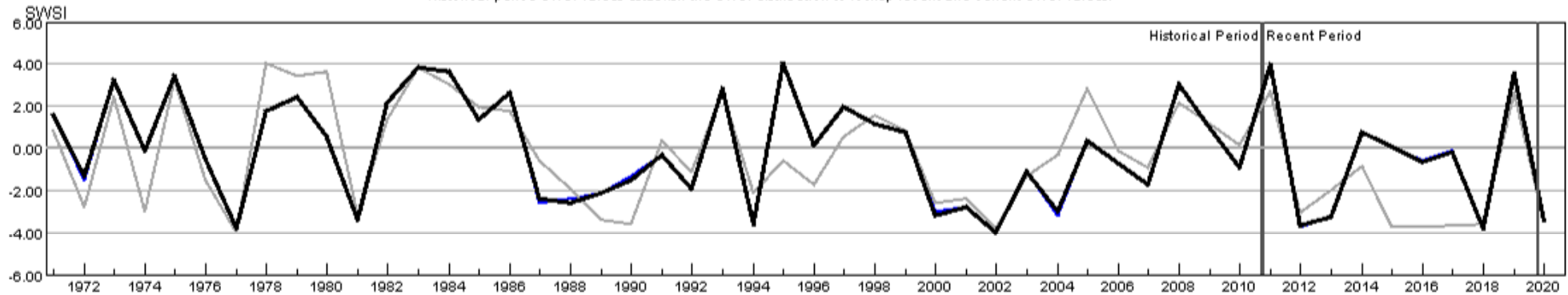
Monthly component volumes



HUC:14010005-AUG-DataComposite  
 HUC:14010005-AUG-PrevMoStreamflow  
 HUC:14010005-AUG-ForecastedRunoff  
 HUC:14010005-AUG-ReservoirStorage

## HUC 14010005 (Colorado Headwaters-Plateau) SWSI Values - AUG

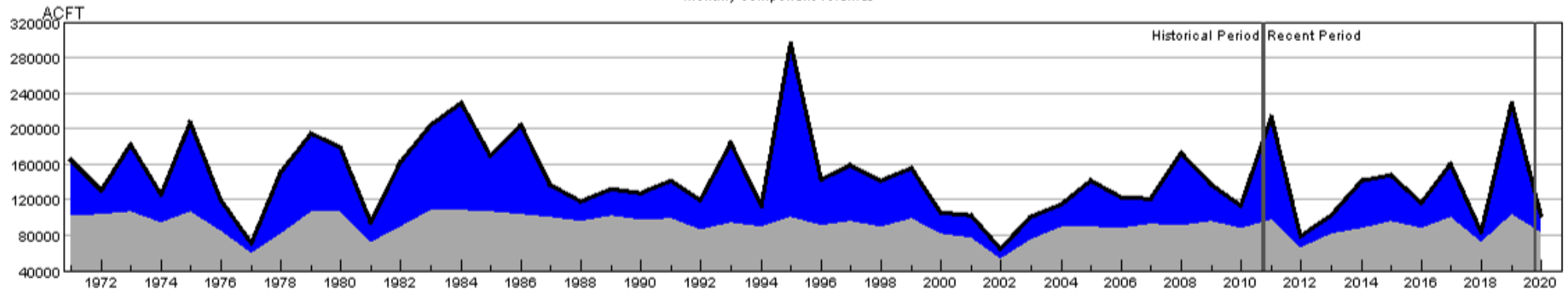
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:14010005-AUG-PrevMoStreamflow-SWSI  
 HUC:14010005-AUG-ForecastedRunoff-SWSI  
 HUC:14010005-AUG-ReservoirStorage-SWSI  
 HUC:14010005-AUG-DataComposite-SWSI

## HUC 14020001 (East-Taylor) Surface Water Supply - AUG

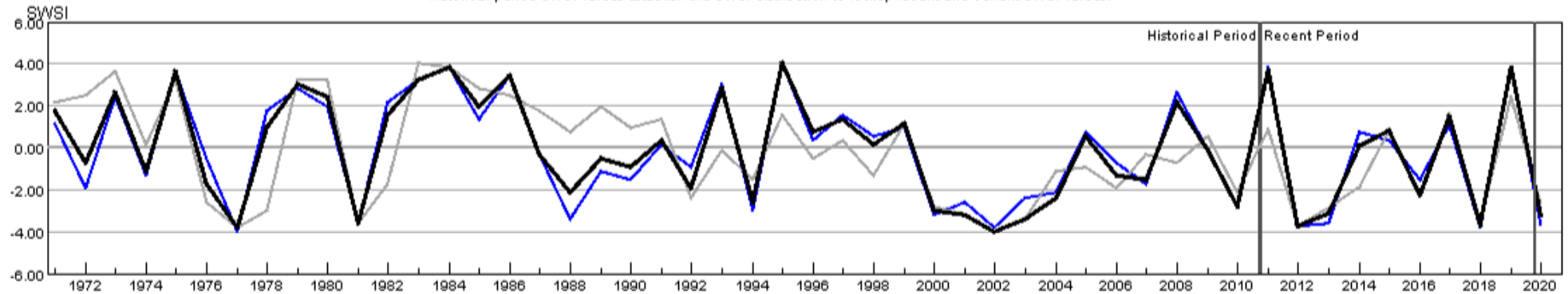
Monthly component volumes



HUC:14020001-AUG-DataComposite  
 HUC:14020001-AUG-PrevMoStreamflow  
 HUC:14020001-AUG-ForecastedRunoff  
 HUC:14020001-AUG-ReservoirStorage

## HUC 14020001 (East-Taylor) SWSI Values - AUG

Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.

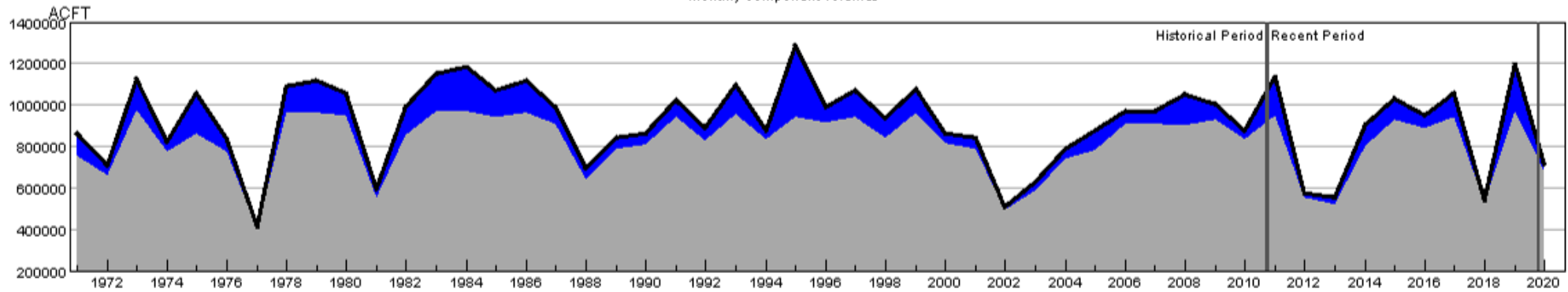


HUC:14020001-AUG-PrevMoStreamflow-SWSI  
 HUC:14020001-AUG-ForecastedRunoff-SWSI  
 HUC:14020001-AUG-ReservoirStorage-SWSI  
 HUC:14020001-AUG-DataComposite-SWSI



## HUC 14020002 (Upper Gunnison) Surface Water Supply - AUG

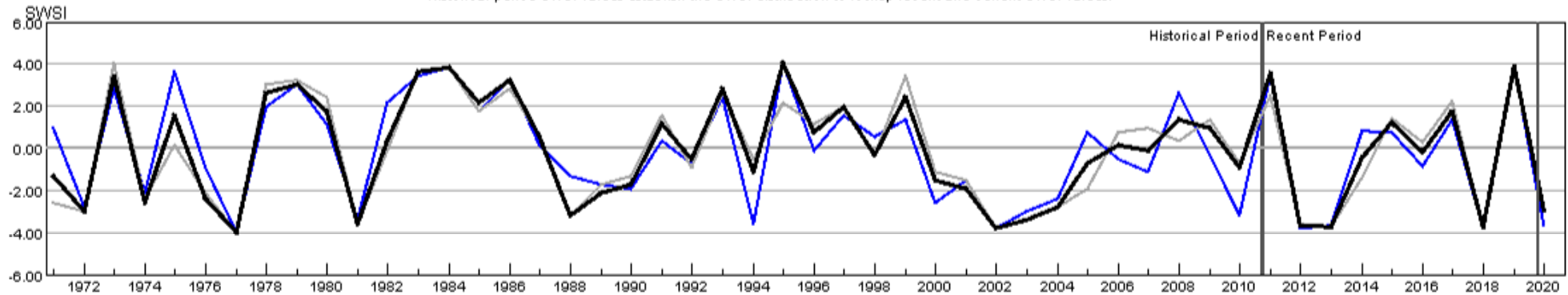
Monthly component volumes



HUC:14020002-AUG-DataComposite  
 HUC:14020002-AUG-PrevMoStreamflow  
 HUC:14020002-AUG-ForecastedRunoff  
 HUC:14020002-AUG-ReservoirStorage

## HUC 14020002 (Upper Gunnison) SWSI Values - AUG

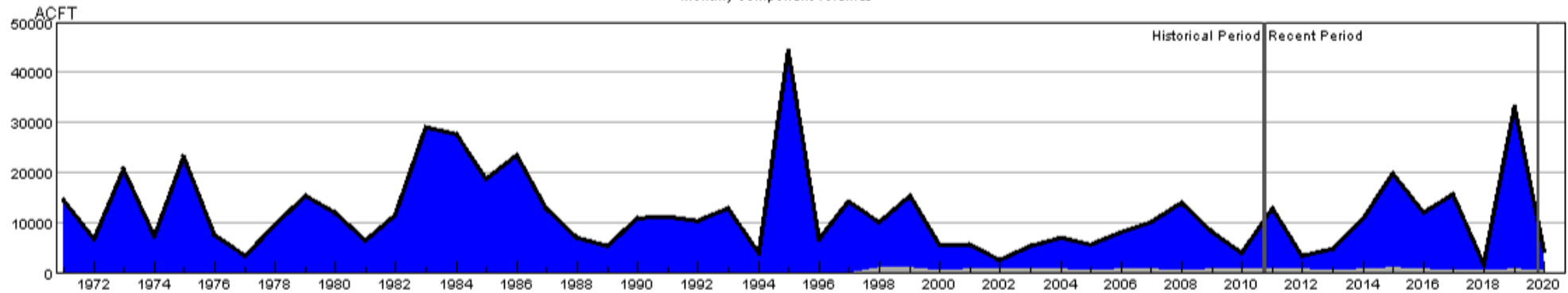
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:14020002-AUG-PrevMoStreamflow-SWSI  
 HUC:14020002-AUG-ForecastedRunoff-SWSI  
 HUC:14020002-AUG-ReservoirStorage-SWSI  
 HUC:14020002-AUG-DataComposite-SWSI

## HUC 14020003 (Tomichi) Surface Water Supply - AUG

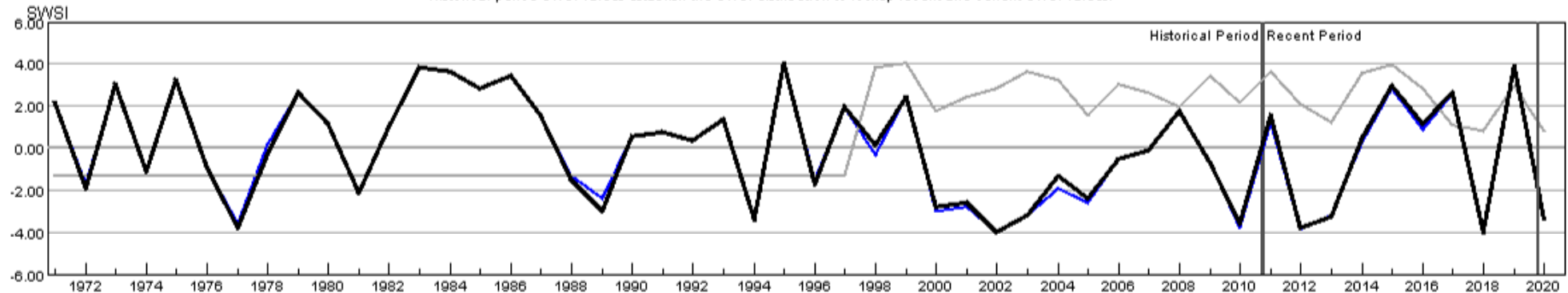
Monthly component volumes



HUC:14020003-AUG-DataComposite  
 HUC:14020003-AUG-PrevMoStreamflow  
 HUC:14020003-AUG-ForecastedRunoff  
 HUC:14020003-AUG-ReservoirStorage

## HUC 14020003 (Tomichi) SWSI Values - AUG

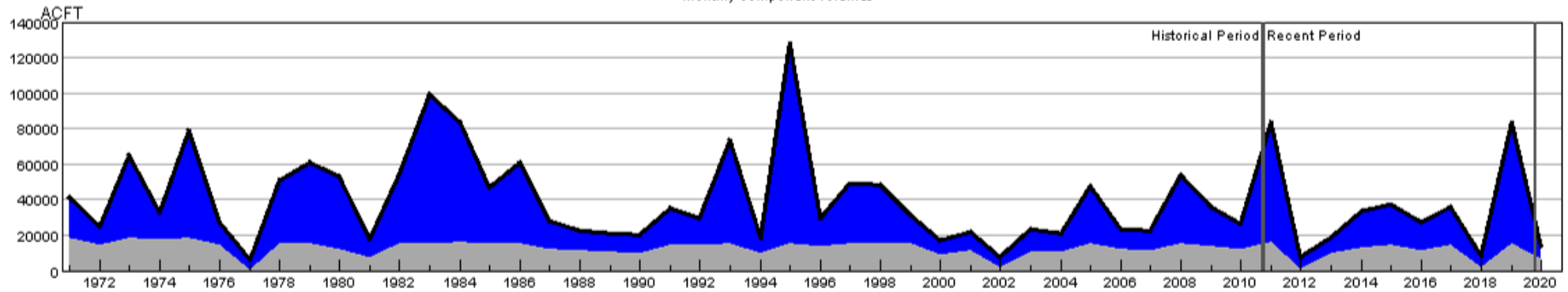
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:14020003-AUG-PrevMoStreamflow-SWSI  
 HUC:14020003-AUG-ForecastedRunoff-SWSI  
 HUC:14020003-AUG-ReservoirStorage-SWSI  
 HUC:14020003-AUG-DataComposite-SWSI

## HUC 14020004 (North Fork Gunnison) Surface Water Supply - AUG

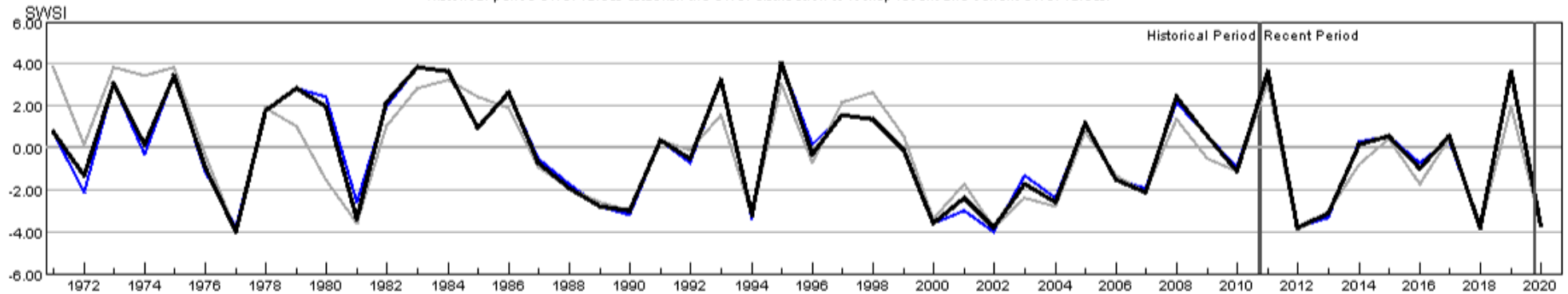
Monthly component volumes



HUC:14020004-AUG-DataComposite  
 HUC:14020004-AUG-PrevMoStreamflow  
 HUC:14020004-AUG-ForecastedRunoff  
 HUC:14020004-AUG-ReservoirStorage

## HUC 14020004 (North Fork Gunnison) SWSI Values - AUG

Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:14020004-AUG-PrevMoStreamflow-SWSI  
 HUC:14020004-AUG-ForecastedRunoff-SWSI  
 HUC:14020004-AUG-ReservoirStorage-SWSI  
 HUC:14020004-AUG-DataComposite-SWSI

## HUC 14020005 (Lower Gunnison) Surface Water Supply - AUG

Monthly component volumes



HUC:14020005-AUG-DataComposite  
 HUC:14020005-AUG-PrevMoStreamflow  
 HUC:14020005-AUG-ForecastedRunoff  
 HUC:14020005-AUG-ReservoirStorage

## HUC 14020005 (Lower Gunnison) SWSI Values - AUG

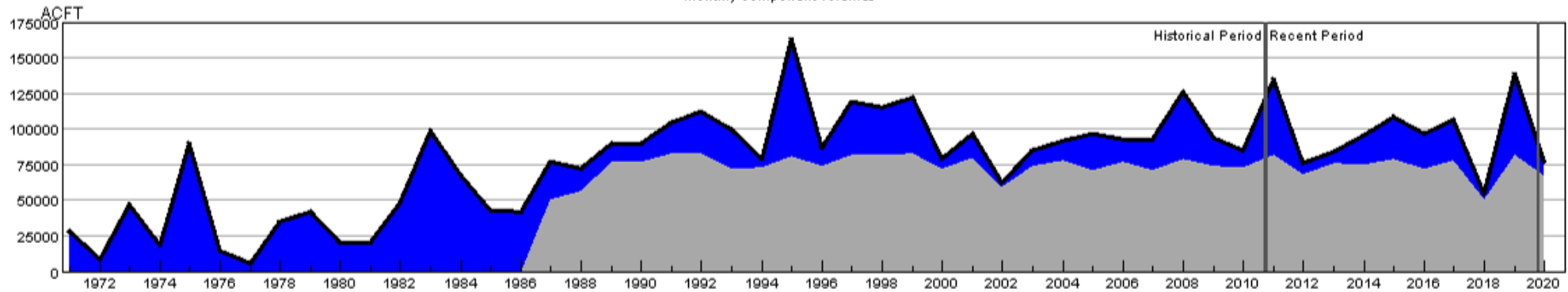
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:14020005-AUG-PrevMoStreamflow-SWSI  
 HUC:14020005-AUG-ForecastedRunoff-SWSI  
 HUC:14020005-AUG-ReservoirStorage-SWSI  
 HUC:14020005-AUG-DataComposite-SWSI

## HUC 14020006 (Uncompahgre) Surface Water Supply - AUG

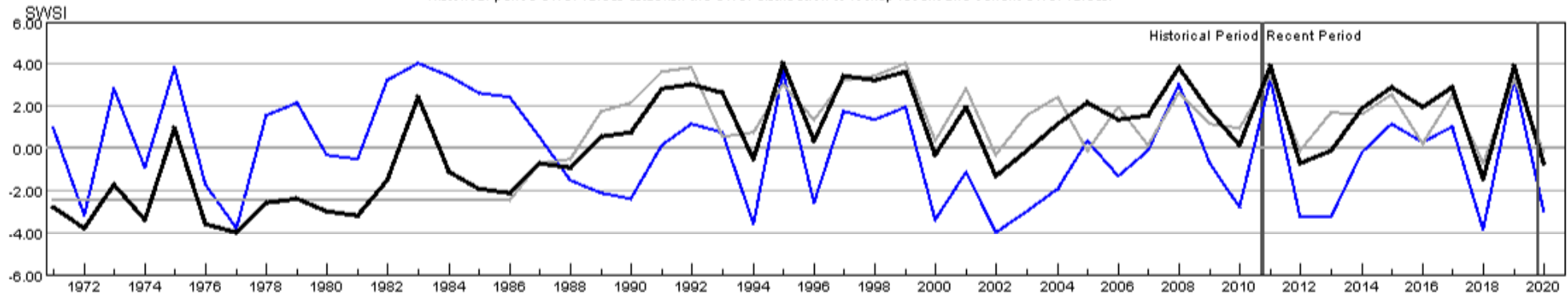
Monthly component volumes



HUC:14020006-AUG-DataComposite  
 HUC:14020006-AUG-PrevMoStreamflow  
 HUC:14020006-AUG-ForecastedRunoff  
 HUC:14020006-AUG-ReservoirStorage

## HUC 14020006 (Uncompahgre) SWSI Values - AUG

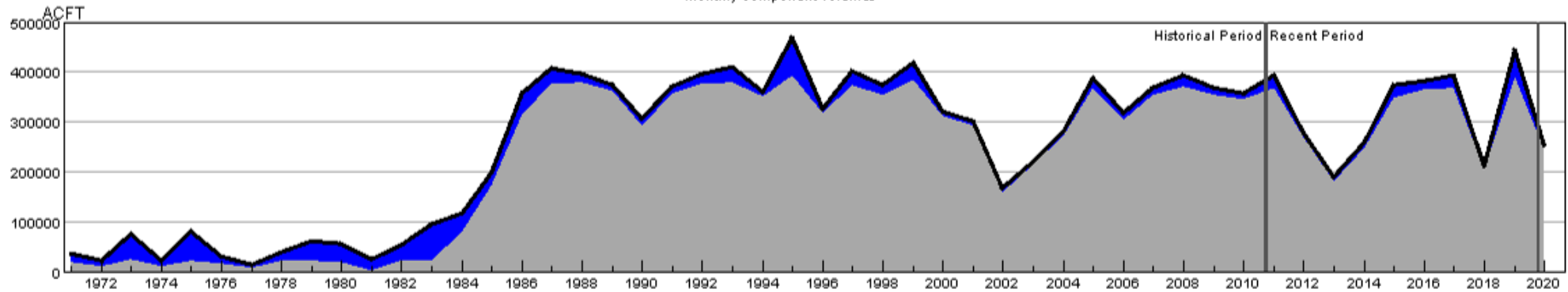
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:14020006-AUG-PrevMoStreamflow-SWSI  
 HUC:14020006-AUG-ForecastedRunoff-SWSI  
 HUC:14020006-AUG-ReservoirStorage-SWSI  
 HUC:14020006-AUG-DataComposite-SWSI

## HUC 14030002 (Upper Dolores) Surface Water Supply - AUG

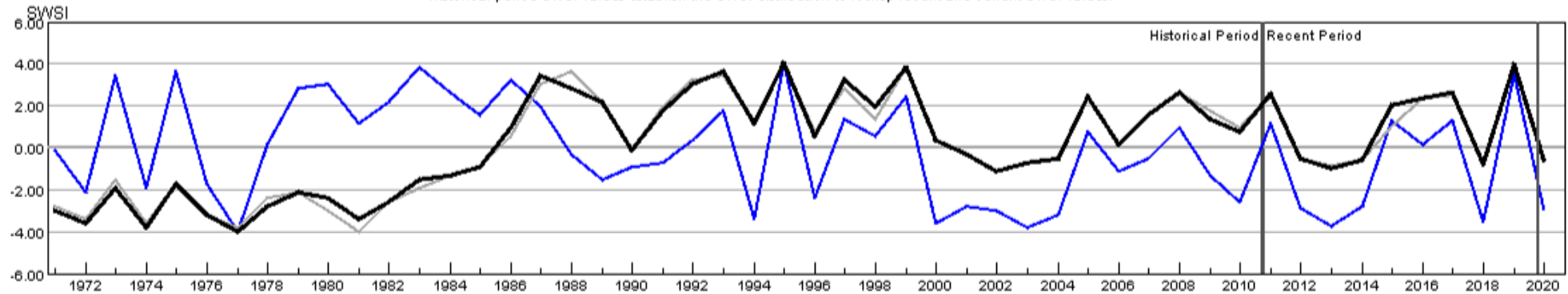
Monthly component volumes



HUC:14030002-AUG-DataComposite  
 HUC:14030002-AUG-PrevMoStreamflow  
 HUC:14030002-AUG-ForecastedRunoff  
 HUC:14030002-AUG-ReservoirStorage

## HUC 14030002 (Upper Dolores) SWSI Values - AUG

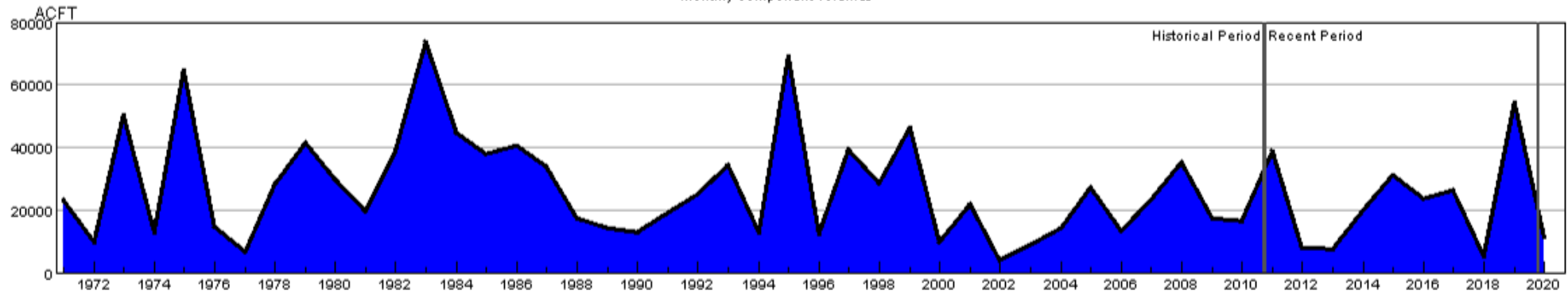
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:14030002-AUG-PrevMoStreamflow-SWSI  
 HUC:14030002-AUG-ForecastedRunoff-SWSI  
 HUC:14030002-AUG-ReservoirStorage-SWSI  
 HUC:14030002-AUG-DataComposite-SWSI

## HUC 14030003 (San Miguel) Surface Water Supply - AUG

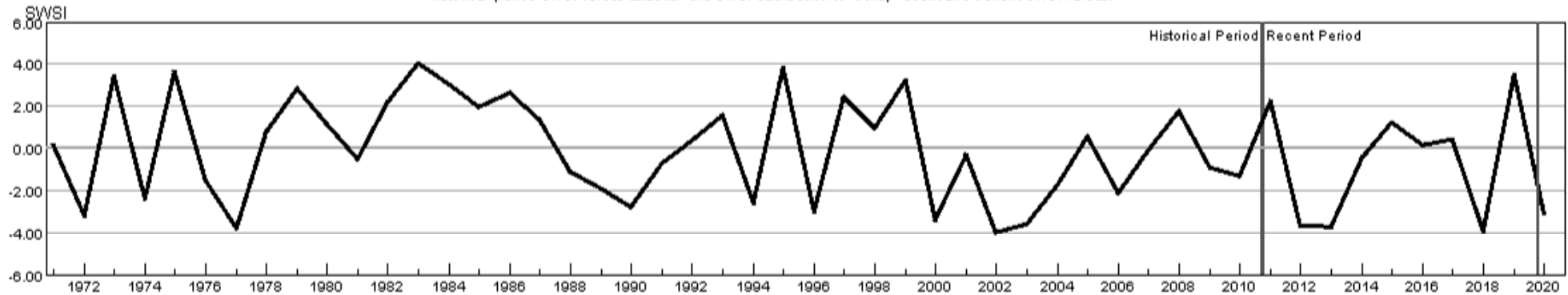
Monthly component volumes



HUC:14030003-AUG-DataComposite  
 HUC:14030003-AUG-PrevMoStreamflow  
 HUC:14030003-AUG-ForecastedRunoff  
 HUC:14030003-AUG-ReservoirStorage

## HUC 14030003 (San Miguel) SWSI Values - AUG

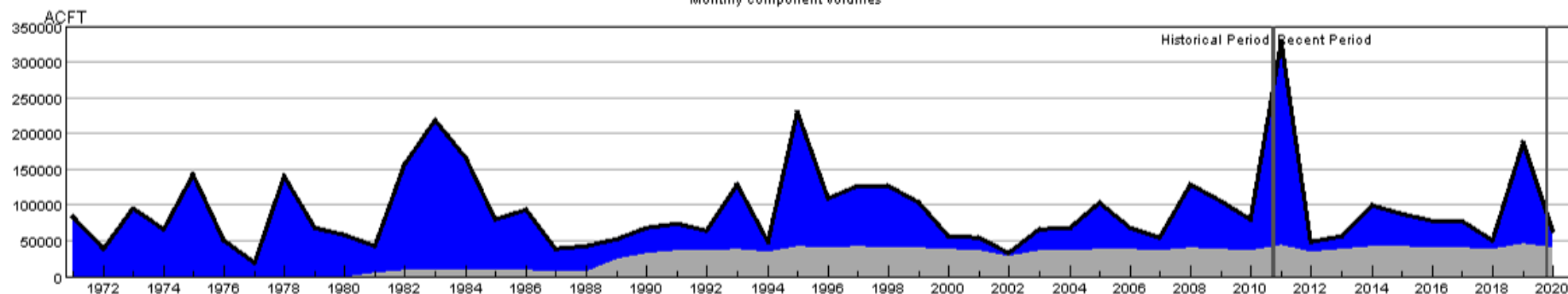
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:14030003-AUG-PrevMoStreamflow-SWSI  
 HUC:14030003-AUG-ForecastedRunoff-SWSI  
 HUC:14030003-AUG-ReservoirStorage-SWSI  
 HUC:14030003-AUG-DataComposite-SWSI

## HUC 14050001 (Upper Yampa) Surface Water Supply - AUG

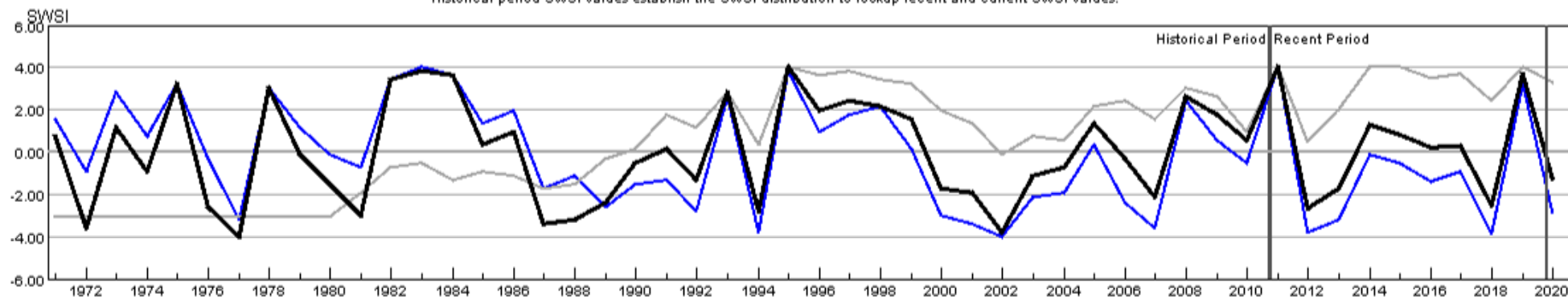
Monthly component volumes



HUC:14050001-AUG-DataComposite  
 HUC:14050001-AUG-PrevMoStreamflow  
 HUC:14050001-AUG-ForecastedRunoff  
 HUC:14050001-AUG-ReservoirStorage

## HUC 14050001 (Upper Yampa) SWSI Values - AUG

Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.

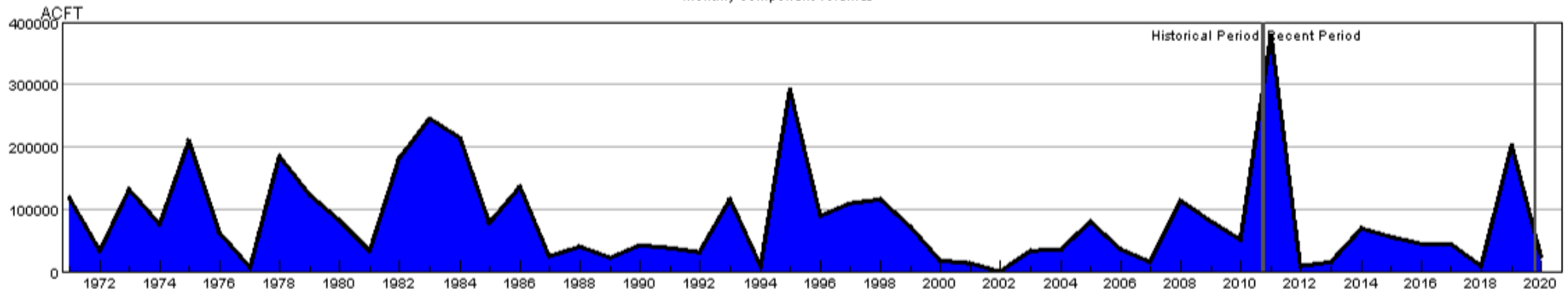


HUC:14050001-AUG-PrevMoStreamflow-SWSI  
 HUC:14050001-AUG-ForecastedRunoff-SWSI  
 HUC:14050001-AUG-ReservoirStorage-SWSI  
 HUC:14050001-AUG-DataComposite-SWSI



## HUC 14050002 (Lower Yampa) Surface Water Supply - AUG

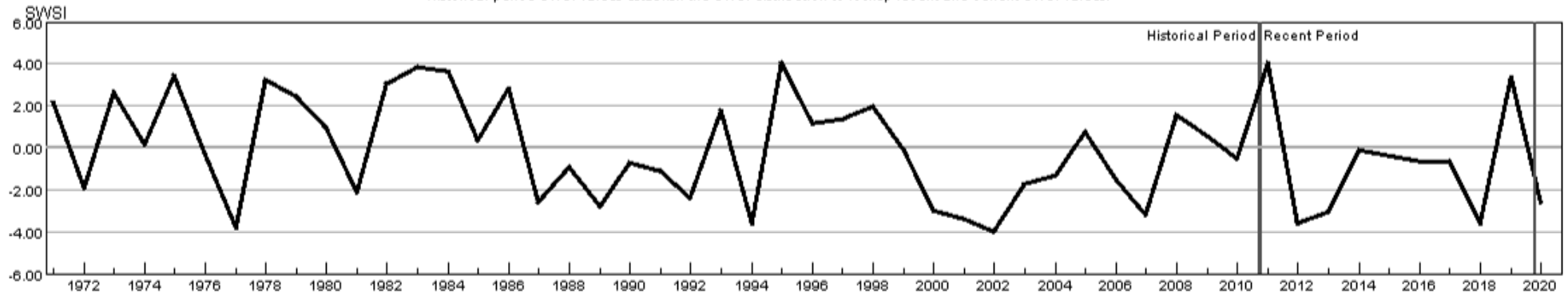
Monthly component volumes



HUC:14050002-AUG-DataComposite  
 HUC:14050002-AUG-PrevMoStreamflow  
 HUC:14050002-AUG-ForecastedRunoff  
 HUC:14050002-AUG-ReservoirStorage

## HUC 14050002 (Lower Yampa) SWSI Values - AUG

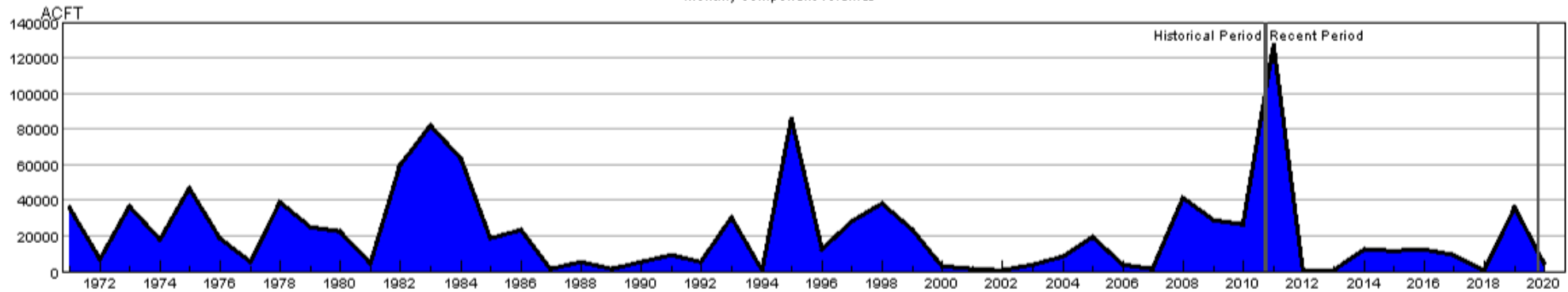
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:14050002-AUG-PrevMoStreamflow-SWSI  
 HUC:14050002-AUG-ForecastedRunoff-SWSI  
 HUC:14050002-AUG-ReservoirStorage-SWSI  
 HUC:14050002-AUG-DataComposite-SWSI

## HUC 14050003 (Little Snake) Surface Water Supply - AUG

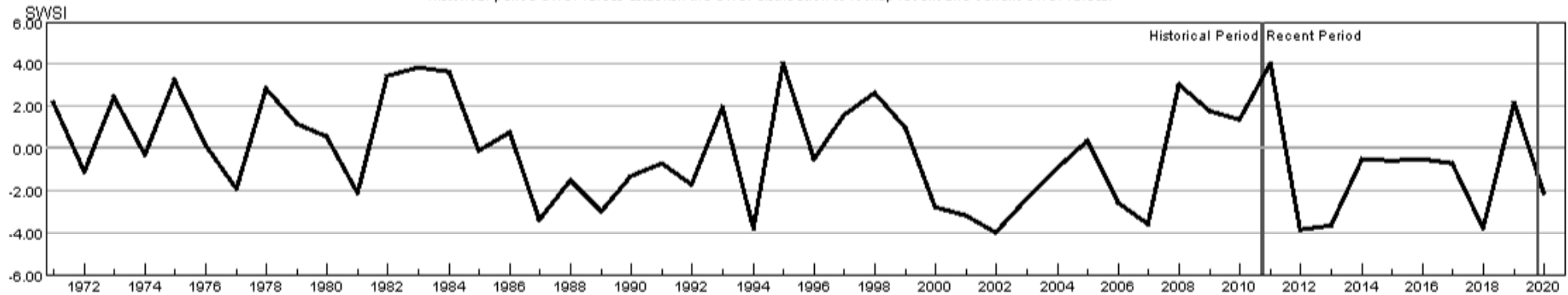
Monthly component volumes



HUC:14050003-AUG-DataComposite  
 HUC:14050003-AUG-PrevMoStreamflow  
 HUC:14050003-AUG-ForecastedRunoff  
 HUC:14050003-AUG-ReservoirStorage

## HUC 14050003 (Little Snake) SWSI Values - AUG

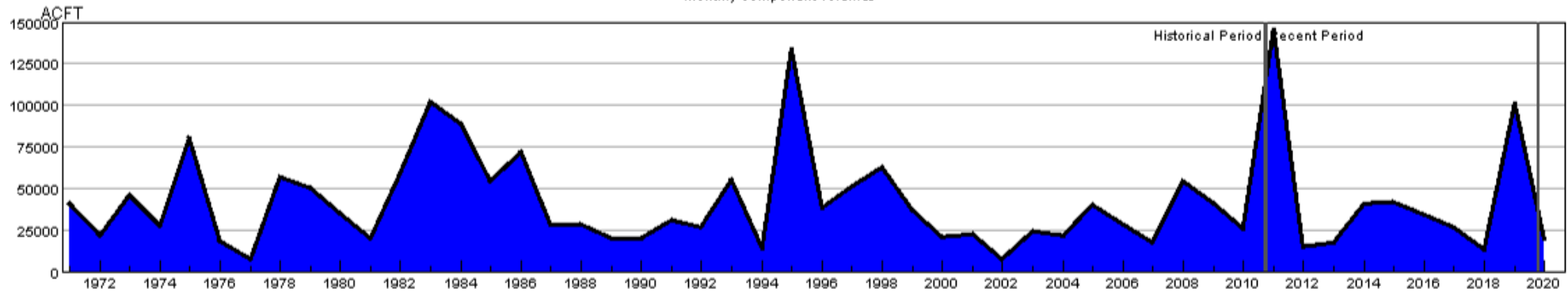
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:14050003-AUG-PrevMoStreamflow-SWSI  
 HUC:14050003-AUG-ForecastedRunoff-SWSI  
 HUC:14050003-AUG-ReservoirStorage-SWSI  
 HUC:14050003-AUG-DataComposite-SWSI

## HUC 14050005 (Upper White) Surface Water Supply - AUG

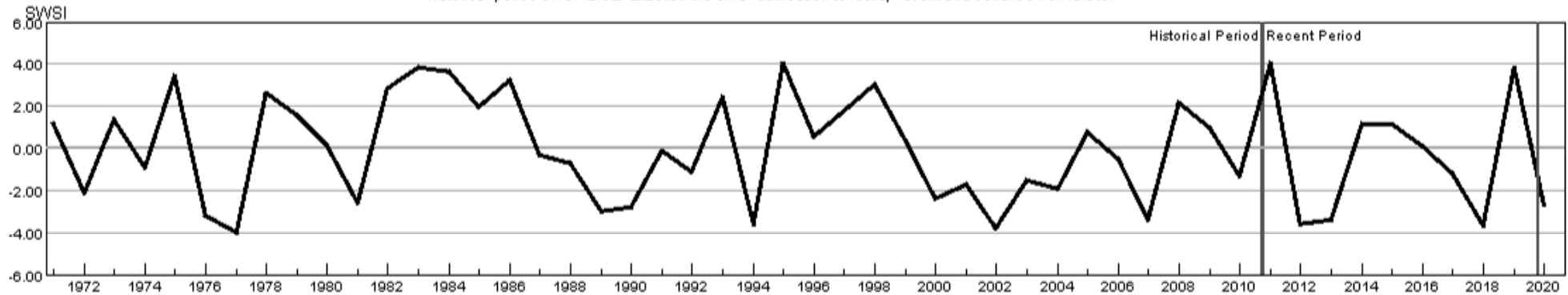
Monthly component volumes



HUC:14050005-AUG-DataComposite  
 HUC:14050005-AUG-PrevMoStreamflow  
 HUC:14050005-AUG-ForecastedRunoff  
 HUC:14050005-AUG-ReservoirStorage

## HUC 14050005 (Upper White) SWSI Values - AUG

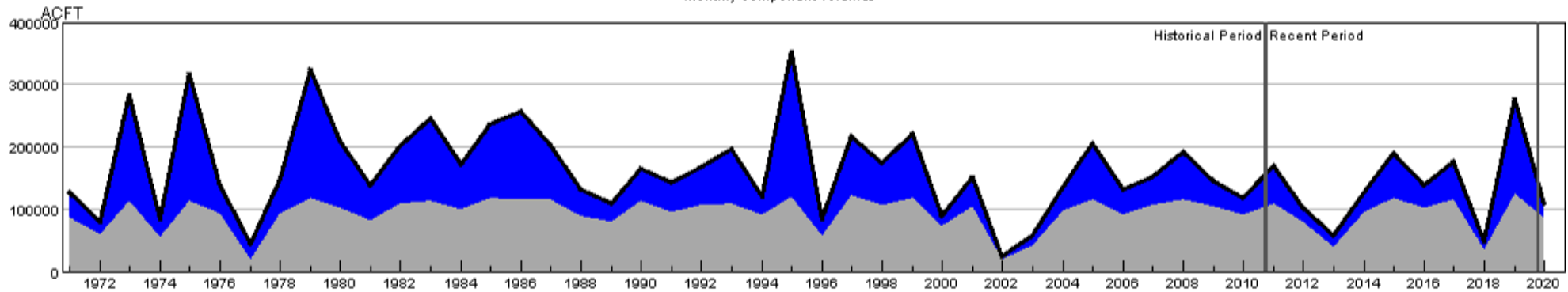
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:14050005-AUG-PrevMoStreamflow-SWSI  
 HUC:14050005-AUG-ForecastedRunoff-SWSI  
 HUC:14050005-AUG-ReservoirStorage-SWSI  
 HUC:14050005-AUG-DataComposite-SWSI

## HUC 14080101 (Upper San Juan) Surface Water Supply - AUG

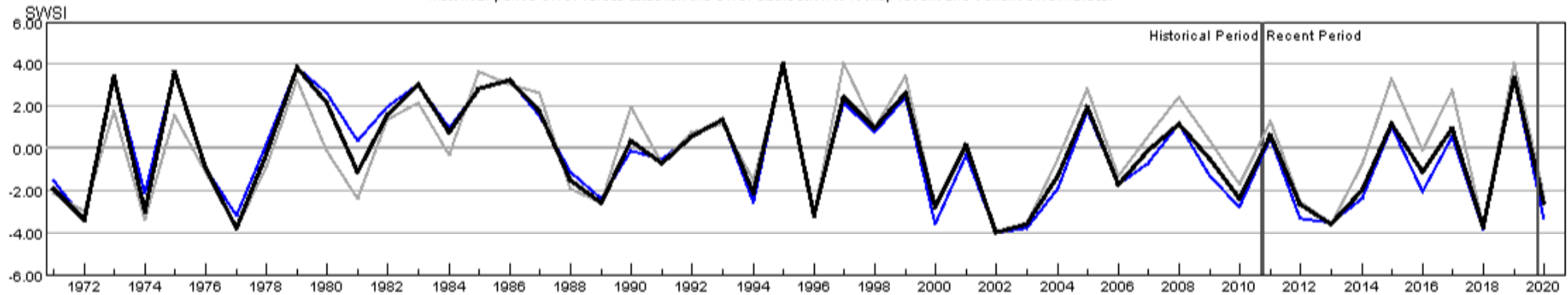
Monthly component volumes



HUC:14080101-AUG-DataComposite  
 HUC:14080101-AUG-PrevMoStreamflow  
 HUC:14080101-AUG-ForecastedRunoff  
 HUC:14080101-AUG-ReservoirStorage

## HUC 14080101 (Upper San Juan) SWSI Values - AUG

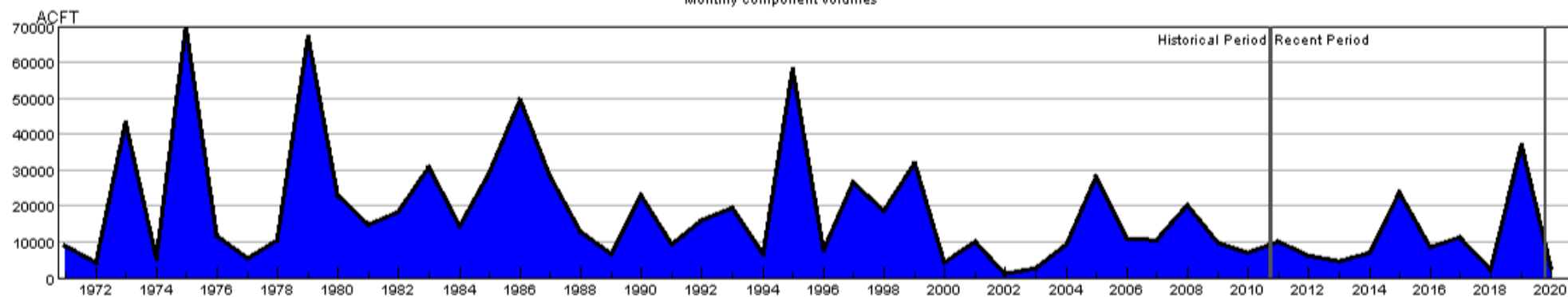
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:14080101-AUG-PrevMoStreamflow-SWSI  
 HUC:14080101-AUG-ForecastedRunoff-SWSI  
 HUC:14080101-AUG-ReservoirStorage-SWSI  
 HUC:14080101-AUG-DataComposite-SWSI

## HUC 14080102 (Piedra) Surface Water Supply - AUG

Monthly component volumes



HUC:14080102-AUG-DataComposite  
 HUC:14080102-AUG-PrevMoStreamflow  
 HUC:14080102-AUG-ForecastedRunoff  
 HUC:14080102-AUG-ReservoirStorage

## HUC 14080102 (Piedra) SWSI Values - AUG

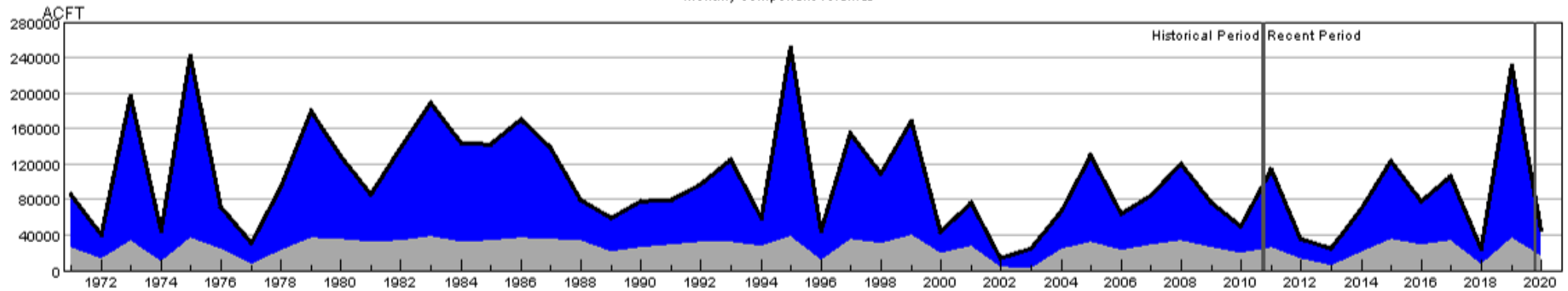
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:14080102-AUG-PrevMoStreamflow-SWSI  
 HUC:14080102-AUG-ForecastedRunoff-SWSI  
 HUC:14080102-AUG-ReservoirStorage-SWSI  
 HUC:14080102-AUG-DataComposite-SWSI

## HUC 14080104 (Animas) Surface Water Supply - AUG

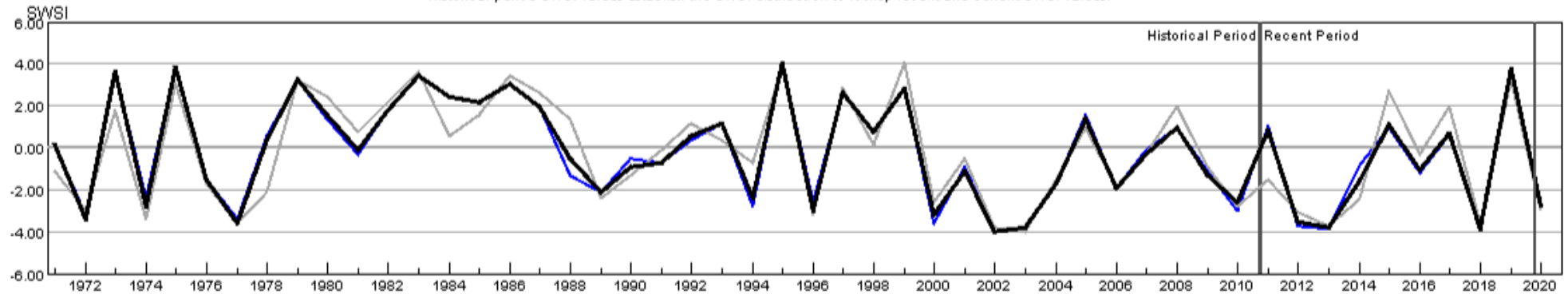
Monthly component volumes



HUC:14080104-AUG-DataComposite  
 HUC:14080104-AUG-PrevMoStreamflow  
 HUC:14080104-AUG-ForecastedRunoff  
 HUC:14080104-AUG-ReservoirStorage

## HUC 14080104 (Animas) SWSI Values - AUG

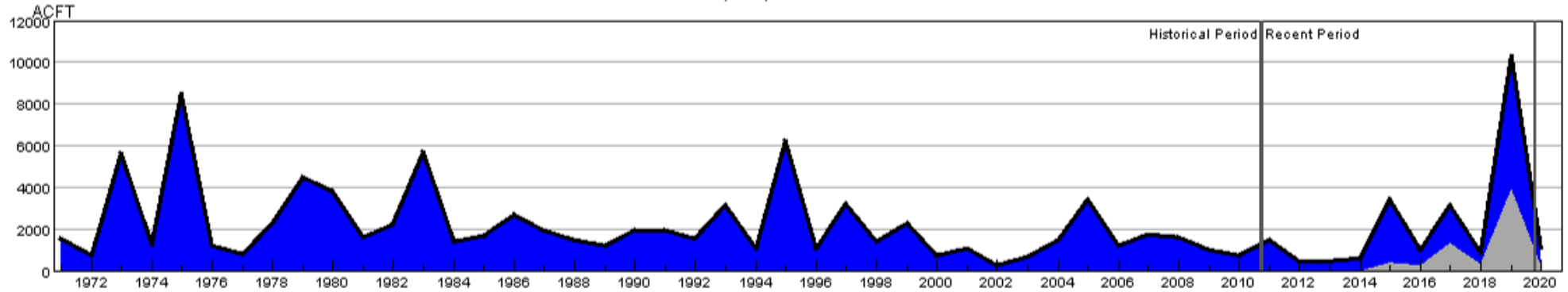
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:14080104-AUG-PrevMoStreamflow-SWSI  
 HUC:14080104-AUG-ForecastedRunoff-SWSI  
 HUC:14080104-AUG-ReservoirStorage-SWSI  
 HUC:14080104-AUG-DataComposite-SWSI

## HUC 14080105 (Middle San Juan) Surface Water Supply - AUG

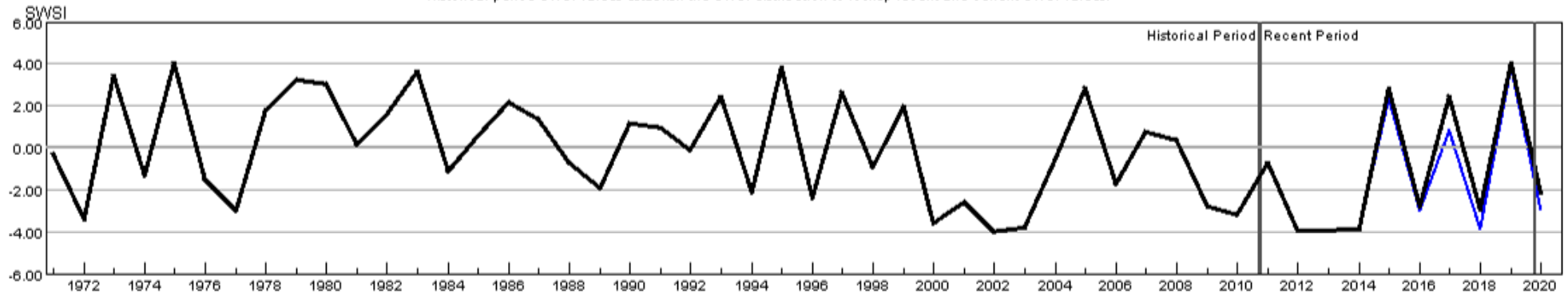
Monthly component volumes



HUC:14080105-AUG-DataComposite  
 HUC:14080105-AUG-PrevMoStreamflow  
 HUC:14080105-AUG-ForecastedRunoff  
 HUC:14080105-AUG-ReservoirStorage

## HUC 14080105 (Middle San Juan) SWSI Values - AUG

Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:14080105-AUG-PrevMoStreamflow-SWSI  
 HUC:14080105-AUG-ForecastedRunoff-SWSI  
 HUC:14080105-AUG-ReservoirStorage-SWSI  
 HUC:14080105-AUG-DataComposite-SWSI