COLORADO
WATER SUPPLY CONDITIONS UPDATE

FROM THE OFFICE OF THE STATE ENGINEER: COLORADO DIVISION OF WATER RESOURCES   October 1, 2020
ROOM 818, 1313 SHERMAN ST., DENVER, CO 80203
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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
January 1 – June 1	Forecasted Runoff + Reservoir Storage
July 1 – September 1	Previous Month's Streamflow + Reservoir Storage
October 1 –December 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: https://dwr.colorado.gov/services/water-administration/drought-and-swsi. This report also contains updates about current regional conditions and water matters prepared by each DWR Division Office.

The SWSI calculation for the fall season (October 1 to December 1) is based solely on reservoir storage at the end of last month, in this case September 30. The following SWSI values were computed for each of the seven major basins for October 1, 2020. Water supply conditions, as represented by water in storage, are well below normal in the Gunnison River Basin to above normal in the Yampa-White Platte River Basin.

Basin	October 1 SWSI	Change from Previous Month	Change from Previous Year
Arkansas	0.9	1.3	-1.1
Colorado	-0.6	2.1	-3.8
Gunnison	-3.3	-0.1	-6.2
Rio Grande	0.8	2.8	-1.9
San Juan-Dolores	-0.7	0.6	-3.3
South Platte	0.0	0.2	-3.2
Yampa-White	1.9	4.3	-2.1

*Last month's SWSI, September 1, 2020, is based on streamflow plus reservoir storage. This month's SWSI is based only on reservoir storage. Direct comparisons of the two should be made with caution since they are based on different metrics.

SWSI Scale

-4	-3	-2	-1	0	1	2	3	4
Severe Drought		Moderate Drought		Near Normal Supply		Above Normal Supply		Abundant Supply
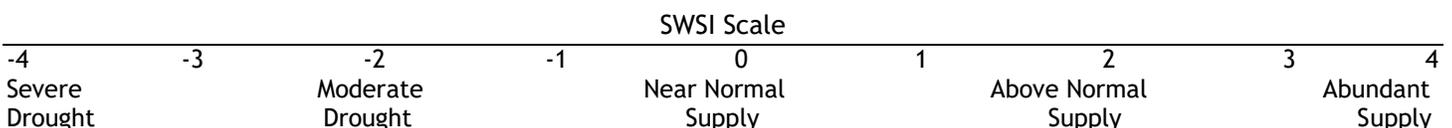
SURFACE WATER SUPPLY INDEX FOR COLORADO BY MAJOR RIVER BASIN

YAMPA - WHITE

+1.9

SOUTH PLATTE

+0.0

COLORADO

-0.6

GUNNISON

-3.3

ARKANSAS

+0.9

RIO GRANDE

SAN JUAN - DOLORES

-0.7

+0.8

LEGEND

Major River

Basin Boundary

SWSI Value

SCALE

+4 Abundant Supply

+2 Above Normal Supply

0 Near Normal Supply

-2 Moderate Drought

-4 Severe Drought
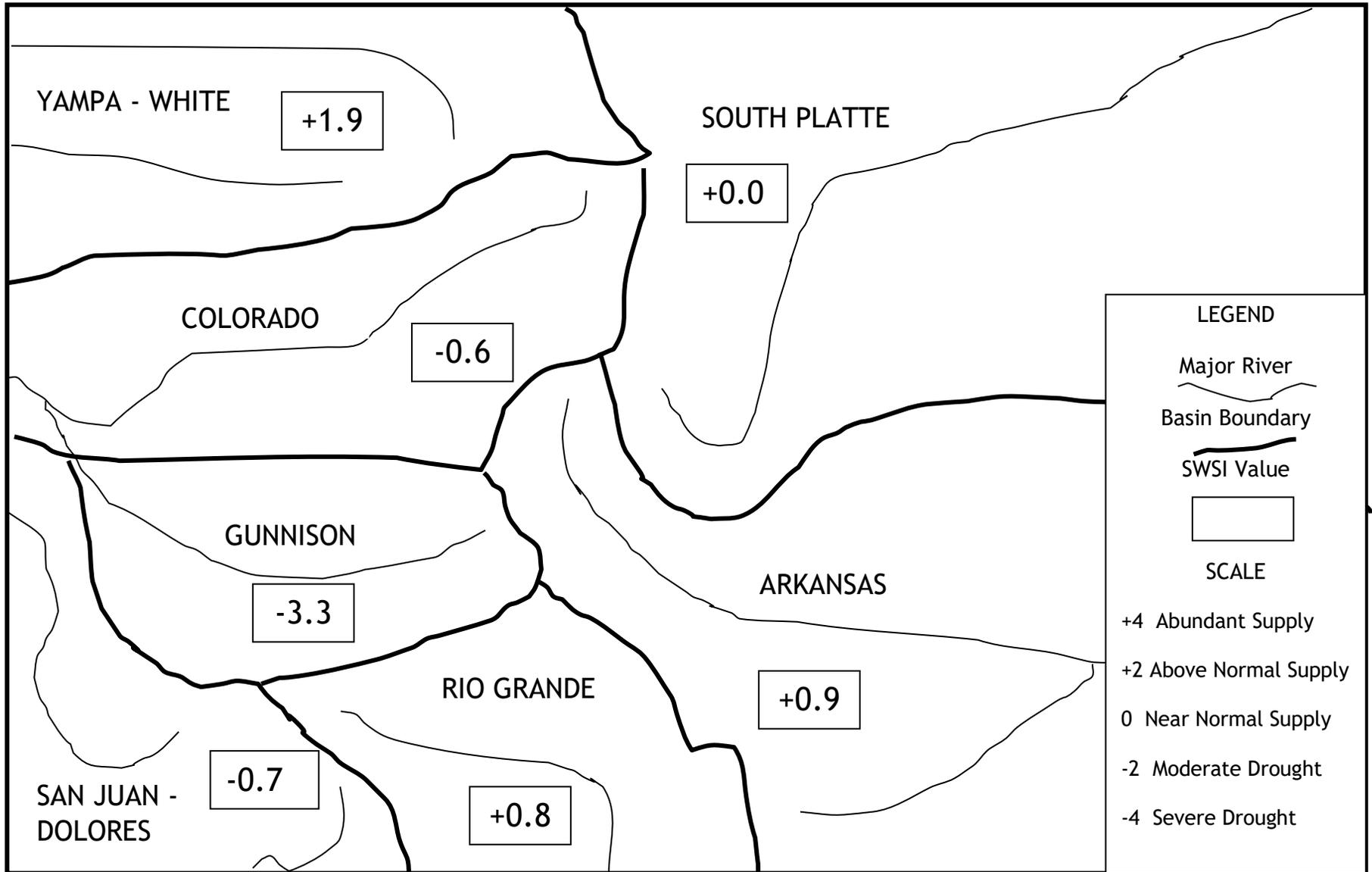
October 1, 2020

SURFACE WATER SUPPLY INDEX FOR COLORADO BY HUC

COLORADO
Division of Water Resources
Department of Natural Resources

SWSI October 1, 2020
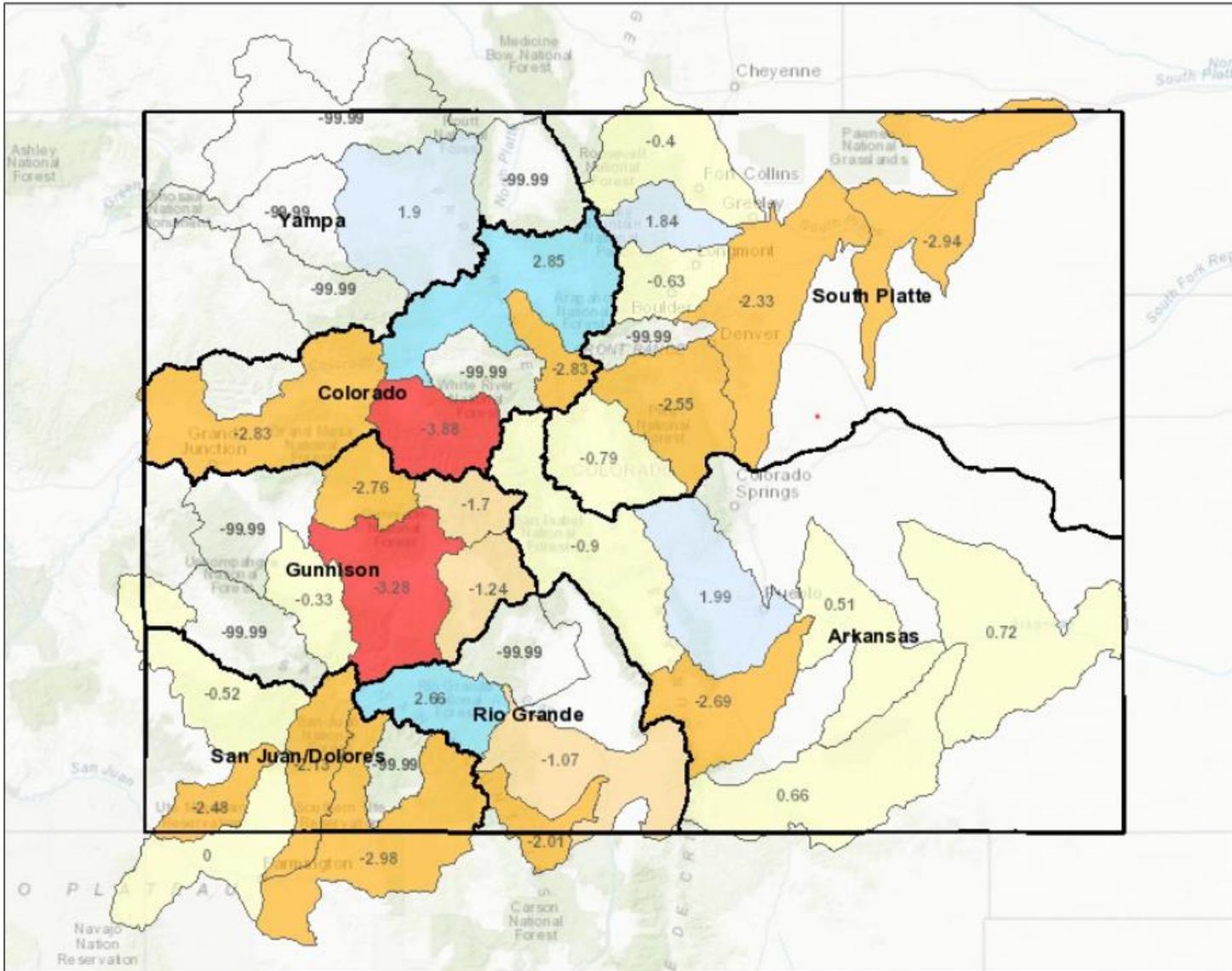
Legend

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
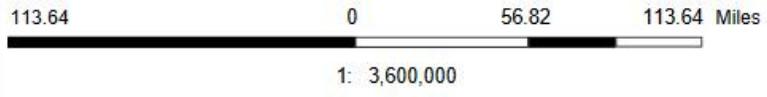
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Date Prepared: 11/1/2020 5:04:14 PM

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

Basin	HUC ID	HUC Name	SWSI	Reservoir Storage NEP	Total Vol (AF)
Arkansas	11020006	Huerfano	-2.69	18	0
	11020005	Upper Arkansas-Lake Meredith	0.51	56	14,980
	11020010	Purgatoire	0.66	58	15,440
	11020009	Upper Arkansas-John Martin Reservoir	0.72	59	44,286
	11020001	Arkansas Headwaters	-0.90	39	175,455
	11020002	Upper Arkansas	1.99	74	178,000
Colorado	14010005	Colorado Headwaters-Plateau	-2.84	16	3,520
	14010004	Roaring Fork	-3.88	3	70,623
	14010002	Blue	-2.83	16	88,199
	14010001	Colorado Headwaters	2.86	84	139,730
	14010003	Eagle	N/A		
Gunnison	14020003	Tomichi	-1.24	35	0
	14020004	North Fork Gunnison	-2.77	17	463
	14020006	Uncompahgre	-0.33	46	50,864
	14020001	East-Taylor	-1.71	30	69,293
	14020002	Upper Gunnison	-3.28	11	550,229
	14020005	Lower Gunnison	N/A		
	14030003	San Miguel	N/A		
Rio Grande	13010002	Alamosa-Trinchera	-1.08	37	3,691
	13010005	Conejos	-2.01	26	14,375
	13010001	Rio Grande Headwaters	2.66	82	32,808
	13010004	Saguache	N/A		
San Juan-Dolores	14080105	Middle San Juan	0.00	50	117
	14080107	Mancos	-2.49	20	2,858
	14080104	Animas	-2.14	24	11,007
	14080101	Upper San Juan	-2.98	14	30,167
	14030002	Upper Dolores	-0.52	44	185,323
	14080102	Piedra	N/A		
South Platte	10190012	Middle South Platte-Sterling	-2.95	15	15,200
	10190003	Middle South Platte-Cherry Creek	-2.33	22	40,100
	10190005	St. Vrain	-0.63	42	50,950
	10190007	Cache La Poudre	-0.41	45	102,381
	10190001	South Platte Headwater	-0.79	41	142,400
	10190002	Upper South Platte	-2.55	19	277,200
	10190006	Big Thompson	1.85	72	527,660
	10190004	Clear	N/A		
Yampa-White	14050001	Upper Yampa	1.90	73	35,656
	10180001	North Platte Headwaters	N/A		
	14050002	Lower Yampa	N/A		
	14050003	Little Snake	N/A		
	14050005	Upper White	N/A		

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)

October 1, 2020 SWSI Component Information – Streamflow Forecast & Reservoir Storage - By HUC

HUC ID	HUC Name	Component Name	Component Volume (AF)	Component NEP by Month
11020001	Arkansas Headwaters	CLEAR CREEK RESERVOIR	4,535	42
		TWIN LAKES RESERVOIR	39,091	34
		HOMESTAKE RESERVOIR	40,613	70
		TURQUOISE LAKE	91,216	34
11020006	Huerfano	CUCHARAS RESERVOIR*	0	18
11020010	Purgatoire	TRINIDAD LAKE	15,440	58
11020002	Upper Arkansas	PUEBLO RESERVOIR	178,000	74
11020009	Upper Arkansas-John Martin Reservoir	ADOBE CREEK RESERVOIR	9,177	50
		JOHN MARTIN RESERVOIR	35,109	61
11020005	Upper Arkansas-Lake Meredith	LAKE HENRY	3,757	61
		MEREDITH RESERVOIR	11,223	56
14010002	Blue	GREEN MOUNTAIN RESERVOIR	88,199	16
14010001	Colorado Headwaters	WOLFORD MOUNTAIN RESERVOIR	57,630	95
		WILLIAMS FORK RESERVOIR	82,100	66
14010005	Colorado Headwaters-Plateau	VEGA RESERVOIR	3,520	16
14010004	Roaring Fork	RUEDI RESERVOIR	70,623	3
14020001	East-Taylor	TAYLOR PARK RESERVOIR	69,293	30
14020004	North Fork Gunnison	PAONIA RESERVOIR	463	17
14020003	Tomichi	VOUGA RESERVOIR NEAR DOYLEVILLE	0	35
14020006	Uncompahgre	RIDGEWAY RESERVOIR	50,864	46
14020002	Upper Gunnison	SILVER JACK RESERVOIR	303	2
		FRUITLAND RESERVOIR	1,000	75
		CRAWFORD RESERVOIR	1,317	7
		MORROW POINT RESERVOIR	108,974	11
		BLUE MESA RESERVOIR	438,635	11
13010002	Alamosa-Trinchera	MOUNTAIN HOME	1,133	28
		TERRACE RESERVOIR	2,558	43
13010005	Conejos	PLATORO RESERVOIR	14,375	26
13010001	Rio Grande Headwaters	CONTINENTAL RESERVOIR	6,548	84
		RIO GRANDE RESERVOIR	12,728	60
		SANTA MARIA RESERVOIR	13,532	84
14080104	Animas	LEMON RESERVOIR	11,007	24
14080107	Mancos	JACKSON GULCH RESERVOIR	2,858	20
14080105	Middle San Juan	LONG HOLLOW RESERVOIR	117	50
14030002	Upper Dolores	GROUNDHOG RESERVOIR	4,500	10
		MCPHEE RESERVOIR	180,823	44
14080101	Upper San Juan	VALLECITO RESERVOIR	30,167	14
10190006	Big Thompson	LONE TREE RESERVOIR	400	1
		MARIANO RESERVOIR	700	56
		LAKE LOVELAND RESERVOIR	5,600	28
		WILLOW CREEK RESERVOIR	8,064	76
		BOYD LAKE	29,600	56
		CARTER LAKE	81,959	96
		LAKE GRANBY	401,337	59

HUC ID	HUC Name	Component Name	Component Volume (AF)	Component NEP by Month
10190007	Cache La Poudre	HALLIGAN RESERVOIR	600	31
		CACHE LA POUDRE	1,400	32
		BLACK HOLLOW RESERVOIR	2,500	41
		WINDSOR RESERVOIR	2,500	8
		FOSSIL CREEK RESERVOIR	4,400	70
		CHAMBERS LAKE	6,400	94
		COBB LAKE	15,800	64
		HORSETOOTH RESERVOIR	68,781	41
10190003	Middle South Platte-Cherry Creek	HORSECREEK RESERVOIR	0	1
		BARR LAKE	2,100	10
		MILTON RESERVOIR	4,800	30
		STANDLEY RESERVOIR	33,200	41
10190012	Middle South Platte-Sterling	EMPIRE RESERVOIR	0	6
		RIVERSIDE RESERVOIR	0	14
		JACKSON LAKE RESERVOIR	700	14
		JULESBURG RESERVOIR	3,800	38
		PREWITT RESERVOIR	5,100	20
		POINT OF ROCKS RESERVOIR	5,600	49
10190001	South Platte Headwater	ANTERO RESERVOIR	19,300	58
		SPINNEY MOUNTAIN RESERVOIR	29,600	44
		ELEVENMILE CANYON RESERVOIR	93,500	23
10190005	St. Vrain	TERRY RESERVOIR	3,400	24
		MARSHALL RESERVOIR	4,200	33
		UNION RESERVOIR	10,250	55
		BUTTONROCK (RALPH PRICE) RESERVOIR	16,200	78
		GROSS RESERVOIR	16,900	38
10190002	Upper South Platte	CHEESMAN LAKE	41,700	13
		DILLON RESERVOIR	235,500	49
14050001	Upper Yampa	YAMCOLO RESERVOIR	2,956	45
		STAGECOACH RESERVOIR NR OAK CREEK	32,700	93

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)

Basinwide Conditions Assessment
The SWSI value for the month was -+0.0.

The South Platte basin wide pattern of above average temperatures controlled during the month of September. The northern portion of the South Platte River Basin experienced slightly above precipitation, while the southern portion of the basin experienced slightly below average precipitation during the month of September. However, the basin wide drought conditions and well below average streamflows prevailed throughout the month of September.

These relatively drier and warmer than average conditions resulted in drought conditions throughout the basin increasing in severity and area, encompassing the entirety of the South Platte and Republican River basins at the end of September. The USDA Drought Monitor rating for the mountainous and foothill areas increased throughout the month of September from a rating of D2 (severe drought), ending the month with a rating of D3 (extreme drought) in the central mountains including Gilpin, Jefferson, Clear Creek, Park County and the northwest portion of Larimer Counties. Some precipitation isolated to portions of Larimer and Weld counties provided some relief, but the end of September found most areas with a rating of mostly D2 (severe drought) throughout much of the foothills and plains and D3 in the central mountains and foothills as well as the eastern plains in Lincoln, Kit Carson, and Cheyenne Counties. Unfortunately the dry conditions are a reality of several large wildfires in the northern and central mountains in Division 1 as well as in the Laramie River headwaters.

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 September. Flows at the Kersey gage downstream of the City of Greeley, were well below average with average daily flows for the month of September approximately 408 cfs, 79% of the historic mean value of 514 cfs. The average daily flow at the Julesburg gage for the month of September was 73.0 cfs, only 26% of the historic mean value of 280 cfs. The outlook for flows on the South Platte River mainstem remains well below average with many of the tributaries below 50 to 25% of average flows during the month of September.

The month of September experienced consistent well below average streamflows, resulting in senior calling water rights on the mainstem of the South Platte River and tributaries. The month of September was controlled on the upper end with calls at the Western Ditch or Burlington Ditch, or both, located just downstream of the metro Denver area, with calls at the beginning of the month of 1871, ending the month with a 1909 call at the Burlington Ditch. The central portion of the river was controlled by a call or bypass call at the Harmony #1 Ditch of 1886 at the start of the month, going more junior toward the end of the month with a 1922 North Sterling bypass call. The lower end of the river was controlled at the beginning third of the month with a Lowline Ditch 1882 priority, with the South Platte River Compact Call controlling the lower end of the river for the last two-thirds of the month. The South Platte River Compact Call was in effect the entire month of September 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 were controlled by one or more internal calls senior to the calls on the downstream South Platte River mainstem during the month of September.


SOUTH PLATTE RIVER NR. KERSEY, FLOW BY WATER YEAR
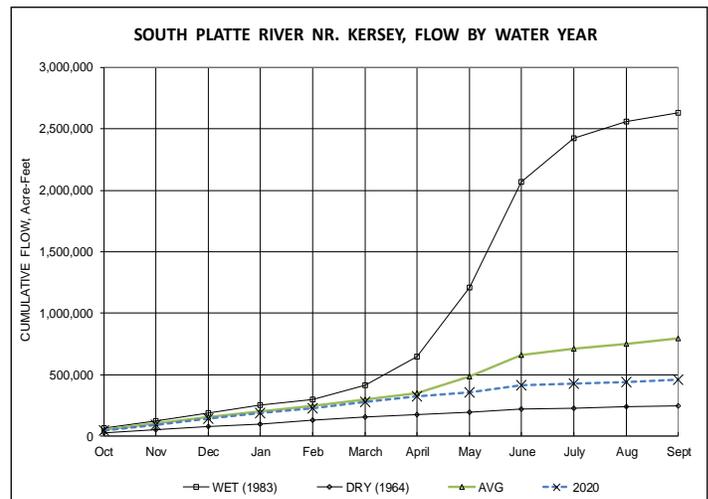
Reservoir storage levels throughout the South Platte River mainstem ended the month of September below the historical average at the 6 SWSI Representative Reservoirs at 456,505 acre-feet volume, which is 93% of the long term average (1961-current). Additionally, 32 indexed reservoirs throughout Division 1 basin at 91% of the long term average with a storage volume of 540,721 at the end of September, down from the end of August volume of 627,992 acre-feet, representing 57% full capacity for the reservoirs at the end of September. This is below the long term average of 52% full for the end of September storage in the 32 indexed reservoirs throughout Division 1. However, many lower elevation reservoirs, primarily irrigation reservoirs, are at much lower storage volumes than the overall combined average, many of which were near empty or empty at the

REPRESENTATIVE RESERVOIRS
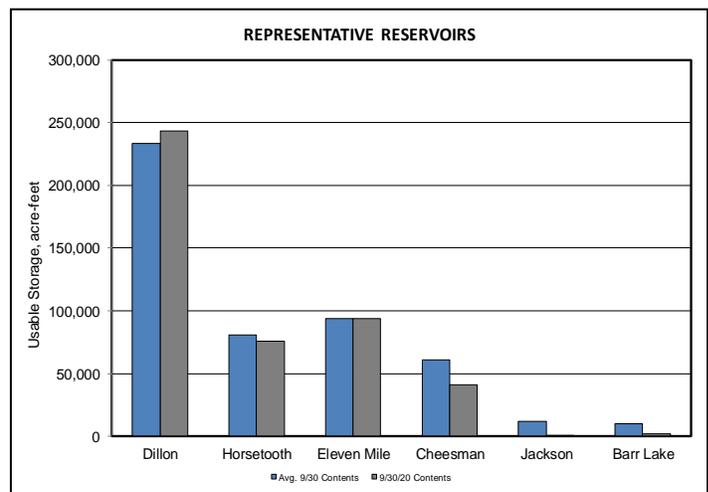
end of September. The decrease in reservoir levels throughout the basin are due to the low stream flows, senior calls, and increased demands for irrigation water to sustain irrigated crops and other water activities during the month of September requiring significant releases from storage reservoirs.

The temperature and precipitation outlook into November, December and January prepared by the National Weather Service, in northeastern Colorado indicates a 40 to 50% probability of above average temperatures and a probability of average precipitation in the northern portion of the basin and 33% probability of below average precipitation throughout the southern portion of the South Platte River Basin and Republican River Basin.

South Platte Basin SWSI History
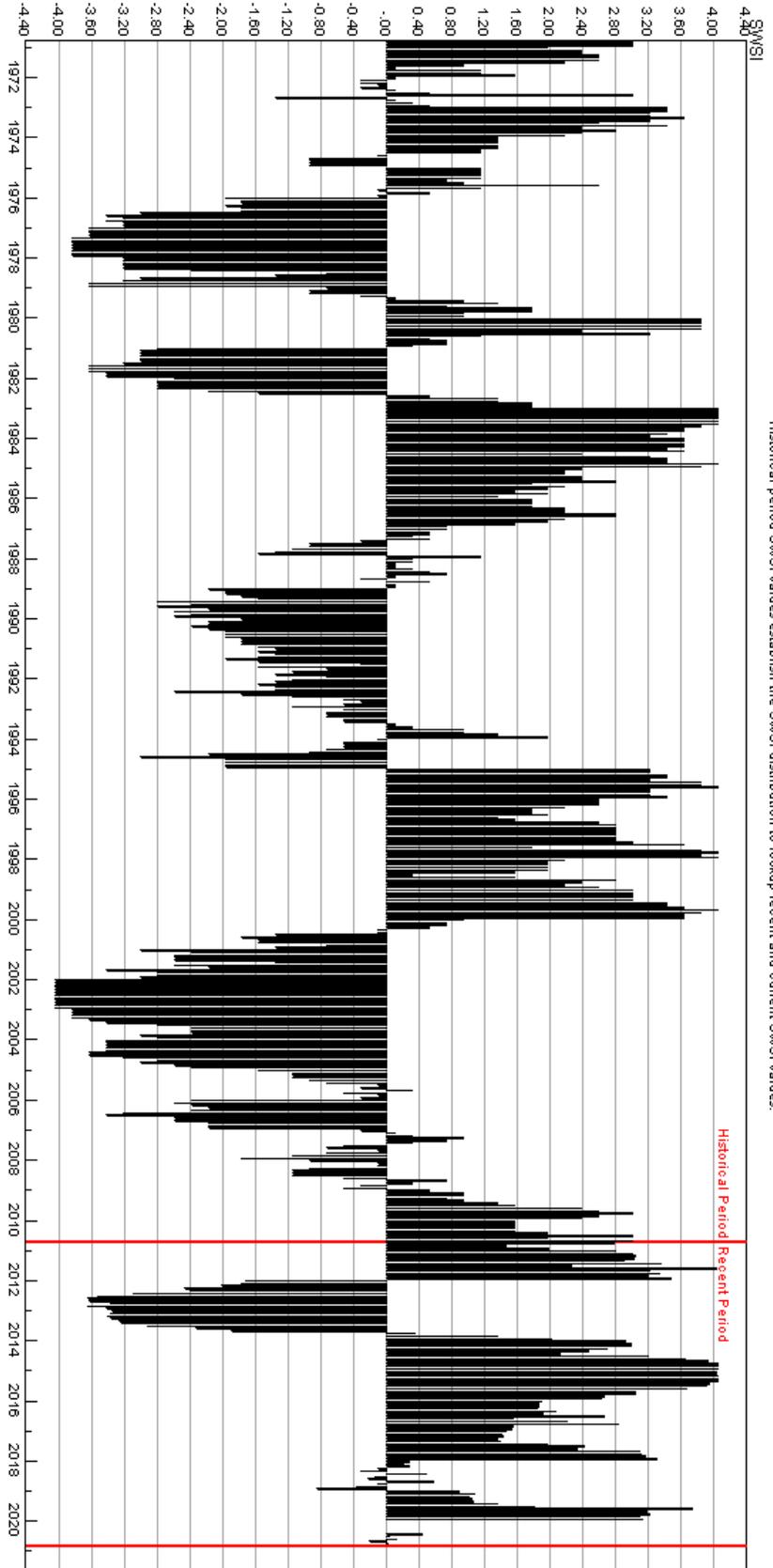
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.

8

Basinwide Conditions Assessment

The SWSI value for the month was +0.9.

Outlook

River calls during September ranged from the junior Catlin Canal 12/3/1884 call to the senior Bessemer Ditch pass through call to the Rocky Ford Ditch of 12/31/1876. Return flows above John Martin Reservoir allowed several junior calls in District 67 to come into priority during September. These ranged in dates from a Fort Bent pass through call to the Lamar Canal call of 4/1/1886 to the Lamar Canal call of 11/4/1886.

Administrative Concerns

On September 28, 2020, the Special Engineering Committee met to continue discussing the potential pilot project related to a Colorado Multi-Use account in John Martin Reservoir. The focus of the discussion was on Rule 10, Pueblo Reservoir Spill and Exchange Operations in the Arkansas Basin.

Forecasting out ahead, the Winter Water Storage program is predicting a doughtier season. The National Weather Service has called for a warmer, drier winter in the Arkansas basin. Early predictions do not foresee account water spilling in either Pueblo Reservoir or John Martin.

ARKANSAS RIVER NR. PORTLAND, FLOW BY WATER YEAR

REPRESENTATIVE RESERVOIRS

Arkansas Basin SWSI History

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

Historical Period | Recent Period

SWSI

Arkansas-DataComposite-SWSI
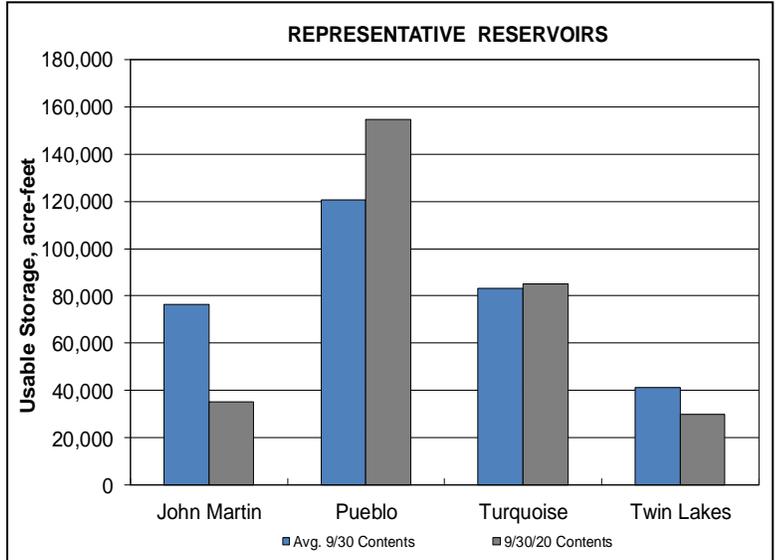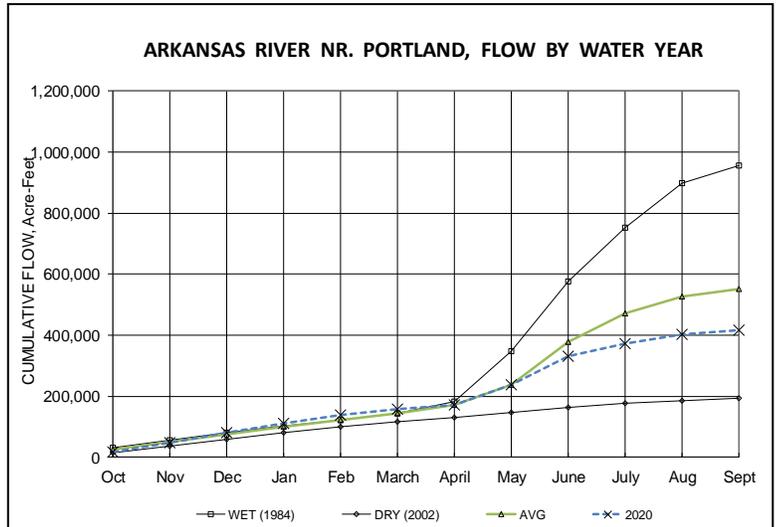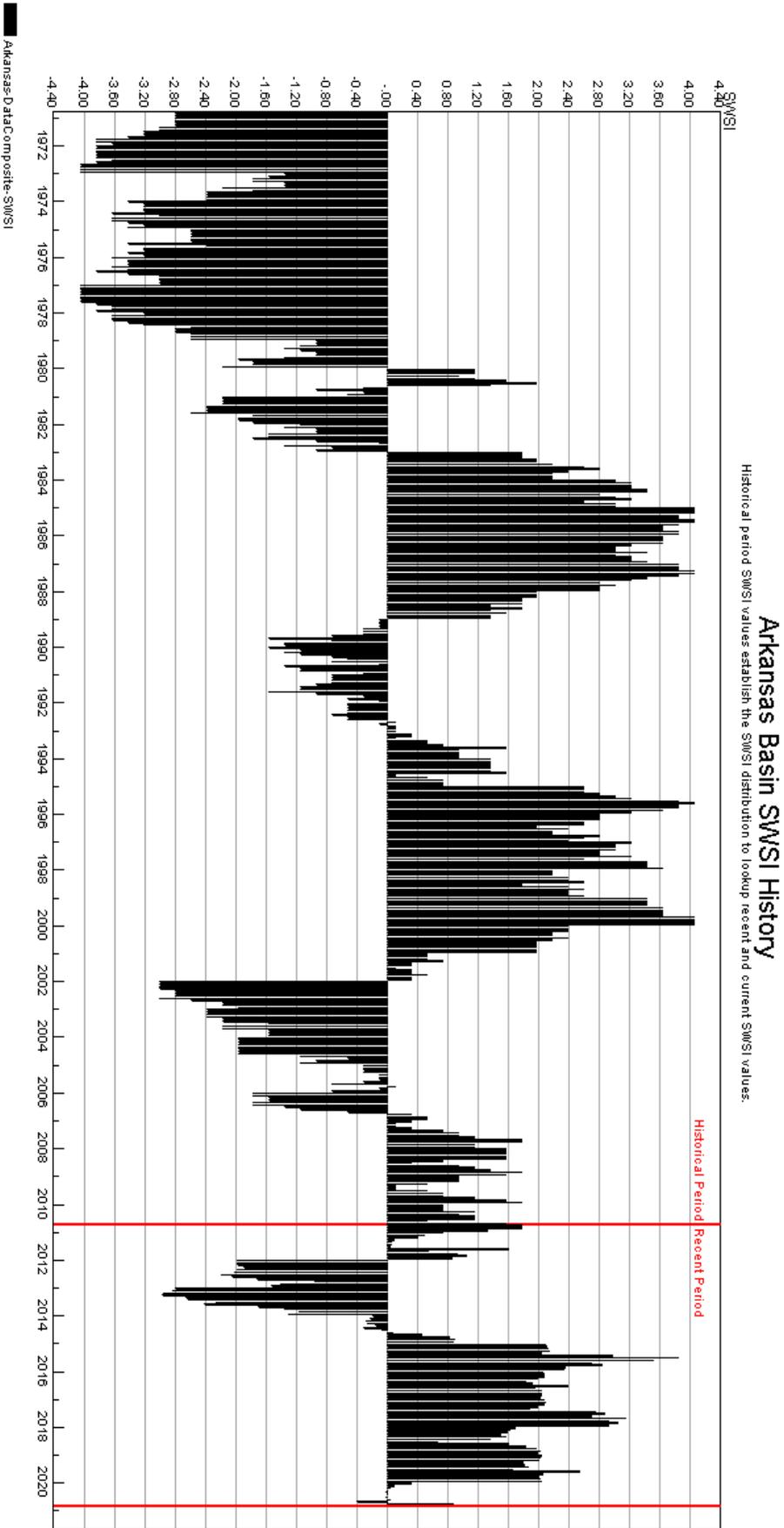
Basinwide Conditions Assessment

The SWSI value for the month was +0.8.

Flow at the gaging station Rio Grande near Del Norte averaged 224 cfs (44% of normal). The Conejos River near Mogote had a mean flow of 98 cfs (65% of normal).   Streamflow in the San Luis Valley was well below average during September despite the big snowstorm on September 9. This massive event brought much-needed relief to the dry mountains and plain. Many of the streams temporarily returned to near normal flow in the wake of the snowstorm that dropped 12+ inches of wet snow throughout the basin. Unfortunately, that storm had a devastating effect on trees that had not shed leaves.

Outlook

September in the upper Rio Grande drainage had warmer and drier conditions when compared to long-term records. Year to date precipitation remains below normal for the San Luis Valley. NOAA weather forecasts for the next month and beyond call for below normal precipitation and warmer than normal temperatures.

Administrative/Management Concerns

Preparation for full implementation of the Case No. 15CW3024 Groundwater Use Rules continues. The Rules approved by the local Water Court on March 15, 2019 are necessary to prevent injury to vested water rights, set sustainability standards for the stressed aquifers, and eliminate well impacts on compliance with the Rio Grande Compact. Full implementation is set for March 15, 2021. These Rules also established criteria for the beginning and end of the irrigation season in Water Division No. 3 for all irrigation water rights. The Rio Grande, its tributaries, and the other areas of the San Luis Valley have a presumptive April 1st start-up date and a November 1st shut-off date for decreed irrigation rights.
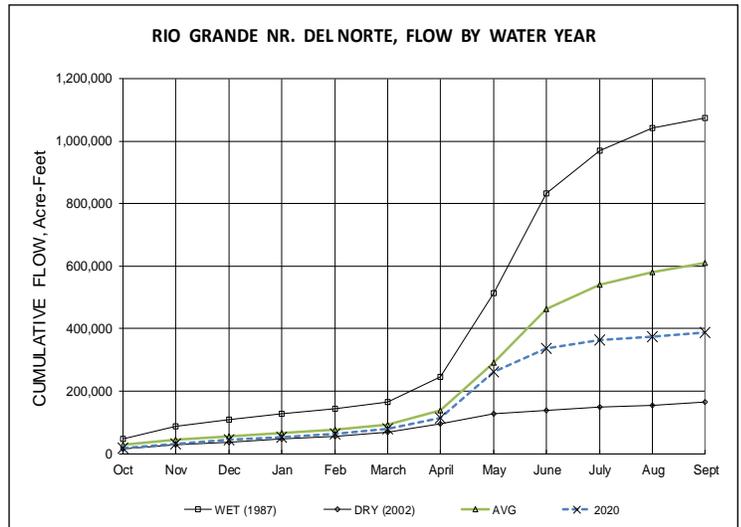
Public Use Impact

As the 2020 irrigation moves to conclusion, the dry conditions throughout the upper Rio Grande basin were detrimental to crop and pasture production. Crop yields were down this year in the San Luis Valley with the exception of potatoes – the result is fickle prices in the potato market.

RIO GRANDE NR. DEL NORTE, FLOW BY WATER YEAR

REPRESENTATIVE RESERVOIRS

Rio Grande Basin SWSI History

Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.
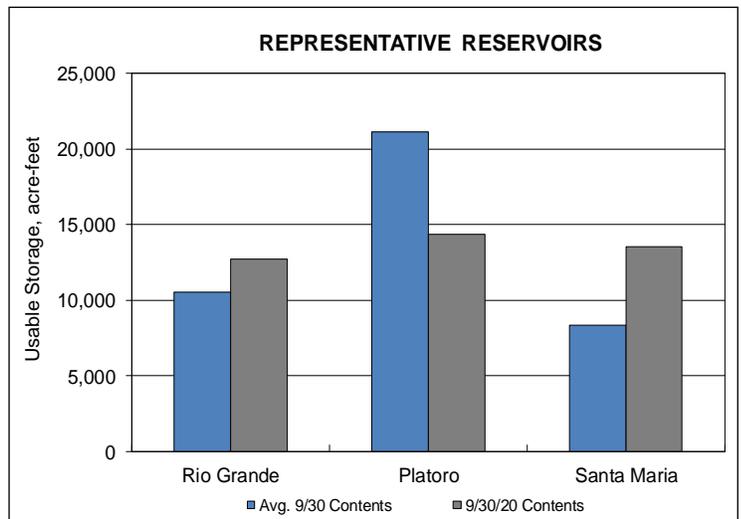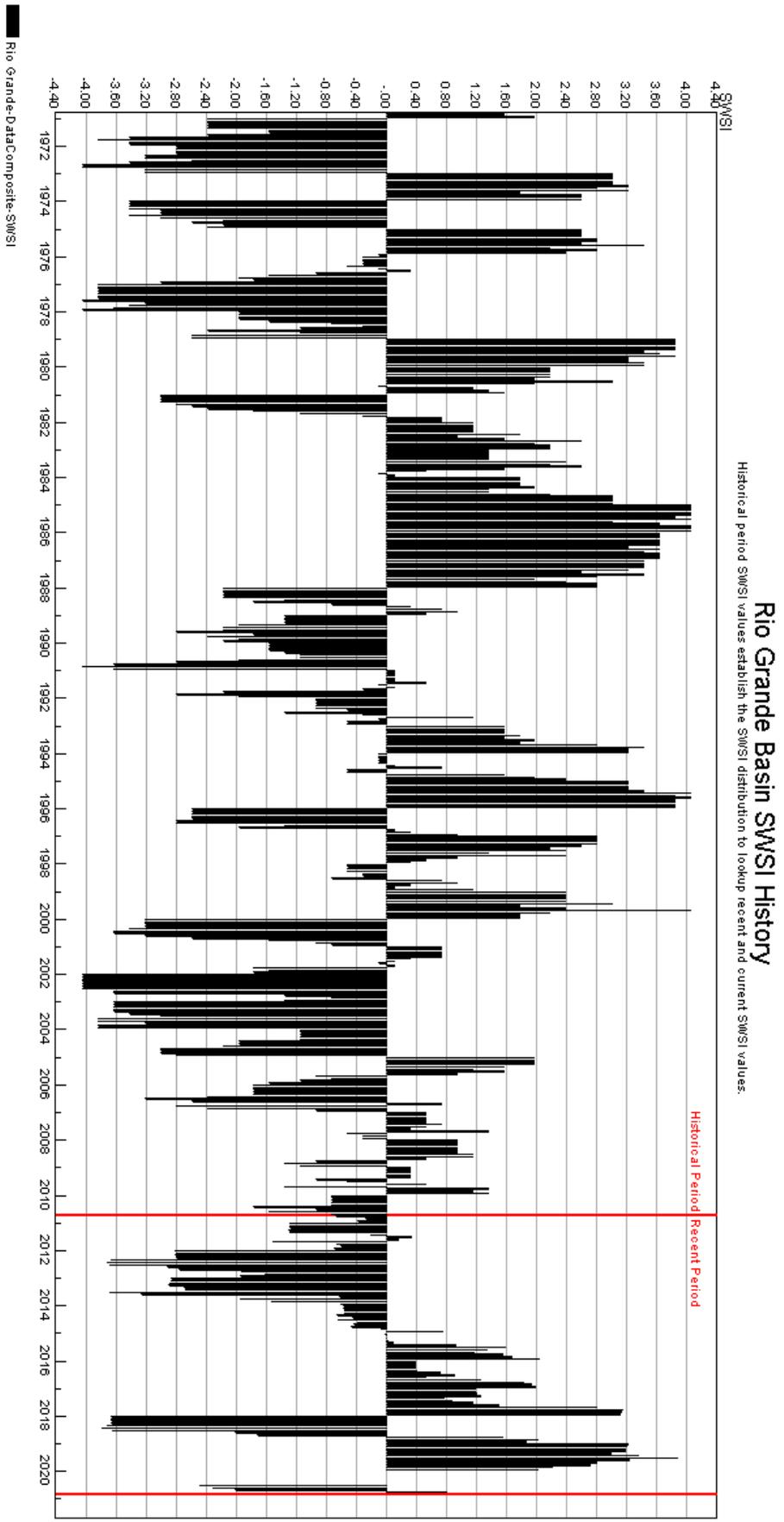
Basinwide Conditions Assessment
The SWSI value for the month was -3.3.

Basin Wide Conditions Outlook
        September was not as dry as August, but that's not saying much since August was a record dry month in many locations in the Gunnison Basin. With the exception of a storm from September 9th to 11th, the Gunnison basin received almost no precipitation. Most areas received only between 30 and 70 percent of average precipitation, which almost entirely fell from September 9th to 11th. Streamflows at all stations on major streams briefly increased for a week, but returned quickly to base flows below the 25th percentile for the date. Temperatures during September throughout the Gunnison basin were 1 to 5 degrees above normal. Lack of precipitation for the last three weeks of the month and high temperatures will result in much lower than normal high county soil moisture going into the winter. Unfortunately, this will likely result in similar conditions to 2019, which could cause a significant drop in streamflows in 2021 regardless of snowpack conditions.

Outlook
        Unfortunately, the National Climate Prediction Center forecasts for the November through January continue to predict lower than average precipitation combined with much above average temperatures.

Administrative/Management Concerns
        The Uncompahgre Valley Water Users (UVWUA) project continued to divert 1,050 cfs at the Gunnison Tunnel until September 15th when they reduced diversions by 50 cfs. During September the average shortage in natural flow at the Tunnel was 497 cfs resulting in the use of 26,530 ac-ft of first fill storage from their account in Blue Mesa Reservoir and 3,424 ac-ft released from Taylor Park Reservoir second fill. This results in a total for Taylor Park storage diverted of 29,954 ac-ft, which is near the amount used in the previous month.

        Blue Mesa Reservoir physically contains 438,313 ac-ft in storage at the end of September, which is 47 percent of capacity. This amount corresponds to a water surface elevation of 7470 ft, which is 20 ft below the level needed to prevent icing in Gunnison. As a result, no releases will be necessary to attain the December icing target in 2020.

        Storage orders and resulting releases from Grand Mesa Reservoirs remained higher than average during September, including up to 17 cfs of delivery to Surface Creek, due to continued irrigation demand. Carryover in the system is already at 16 percent, which is equal to 2018, meaning that carryover into 2021 will be at historically low levels. If weather conditions continue to be dry a big concern is that soil moisture will be so low that much of what snowpack we get will not fill the reservoirs, but seep into the ground. Evaporation measured by DWR at 10,200 ft elevation in September near Alexander Lake was 3.3 inches, which is a decrease from August, but was still extremely high compared with what would be expected late in the season above 10,000 ft.

Public Use Impacts
    Releases from Ridgway Reservoir were decreased between September 8th and 11th from 200 cfs to 60 cfs as the UVWUA completely stopped using storage from Ridgway. This is partly due to the fact that the combination of a large and small turbine at the hydropower unit results in a range of flows between 60 and 160 cfs that the system cannot operate efficiently. Taylor Park releases were also reduced from 230 to 125 cfs at the beginning of the month to preserve storage going into the winter at near 68,000 ac-ft.

UNCOMPAHGRE RIVER NR. RIDGWAY, FLOW BY WATER YEAR

REPRESENTATIVE RESERVOIRS
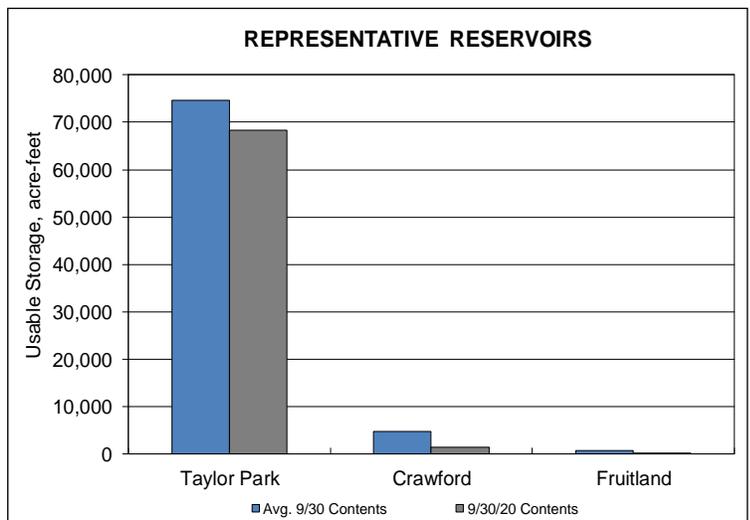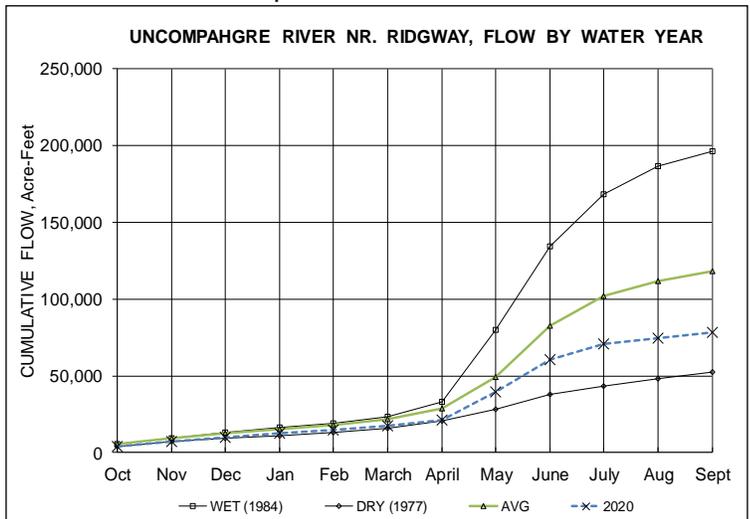
Gunnison Basin SWSI History

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

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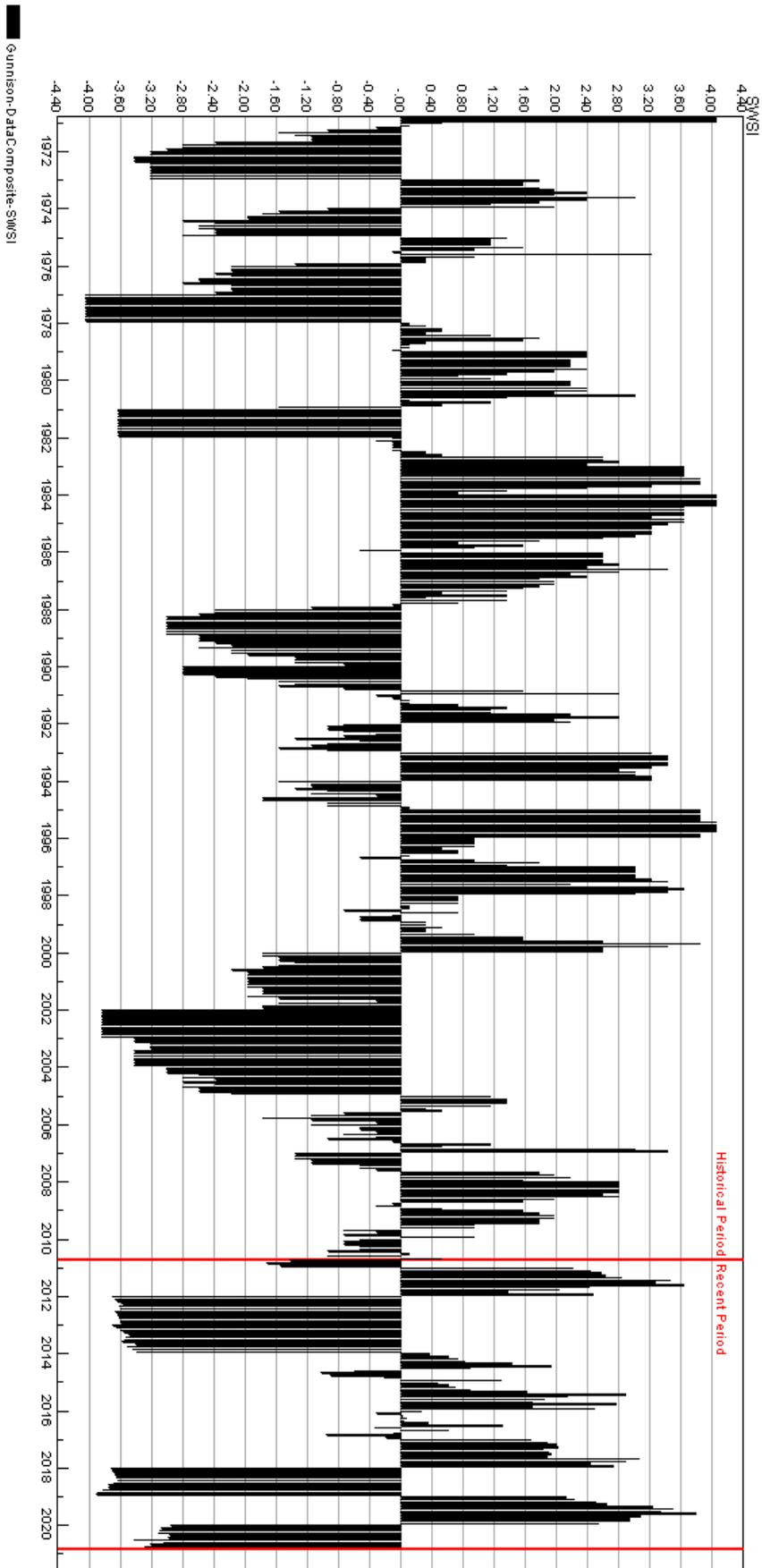
Basinwide Conditions Assessment
The SWSI value for the month was -0.6.

Outlook

Colorado River flows and tributary flows are running below average and are forecasted to continue below average through October. Below average precipitation with below average temperature is forecast for western Colorado through October.

Administrative/Management Concerns

The call on the Colorado River mainstem is the Grand Valley Canal junior water right. Grand Valley Irrigation diversions (Government Highline/Orchard Mesa Irrigation, Grand Valley Irrigation canals) continue at or near full capacity. 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. Wolford Mountain is releasing inflows and contract water and water for the endangered fish in the 15 mile reach less Moser exchange water into Wolford Reservoir from Green Mountain Reservoir.

COLORADO RIVER NR. DOTSERO, FLOW BY WATER YEAR
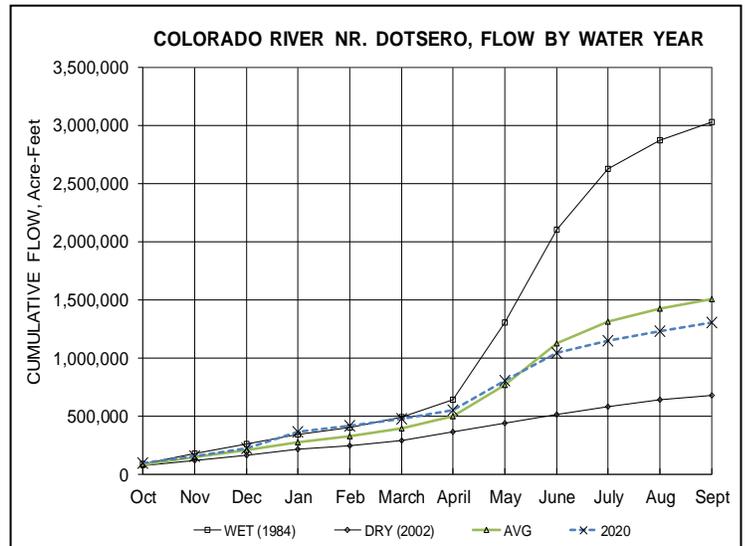
Public Use Impacts

Three of the five largest wildfires in Colorado history have and are burning in Colorado this year. Fires are being fueled in part by the dead, dry timber from the beetle kill trees. The town of Grand Lake has been evacuated and Rocky Mountain National Park is closed.

REPRESENTATIVE RESERVOIRS

15

Colorado Basin SWSI History

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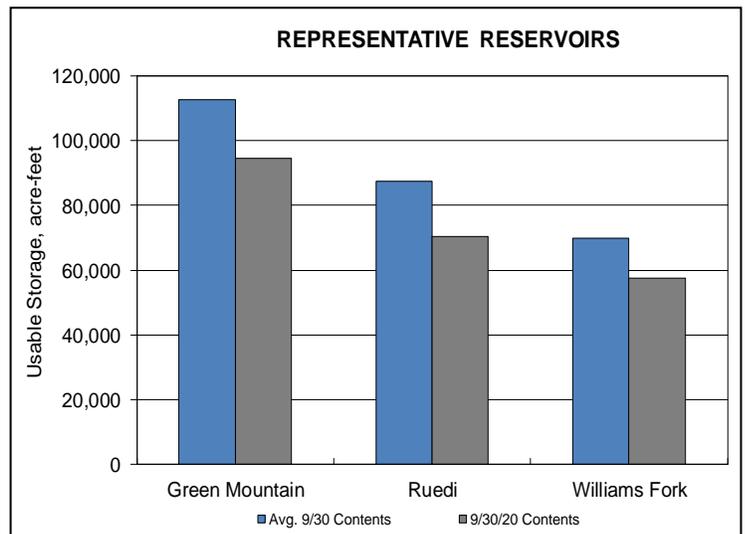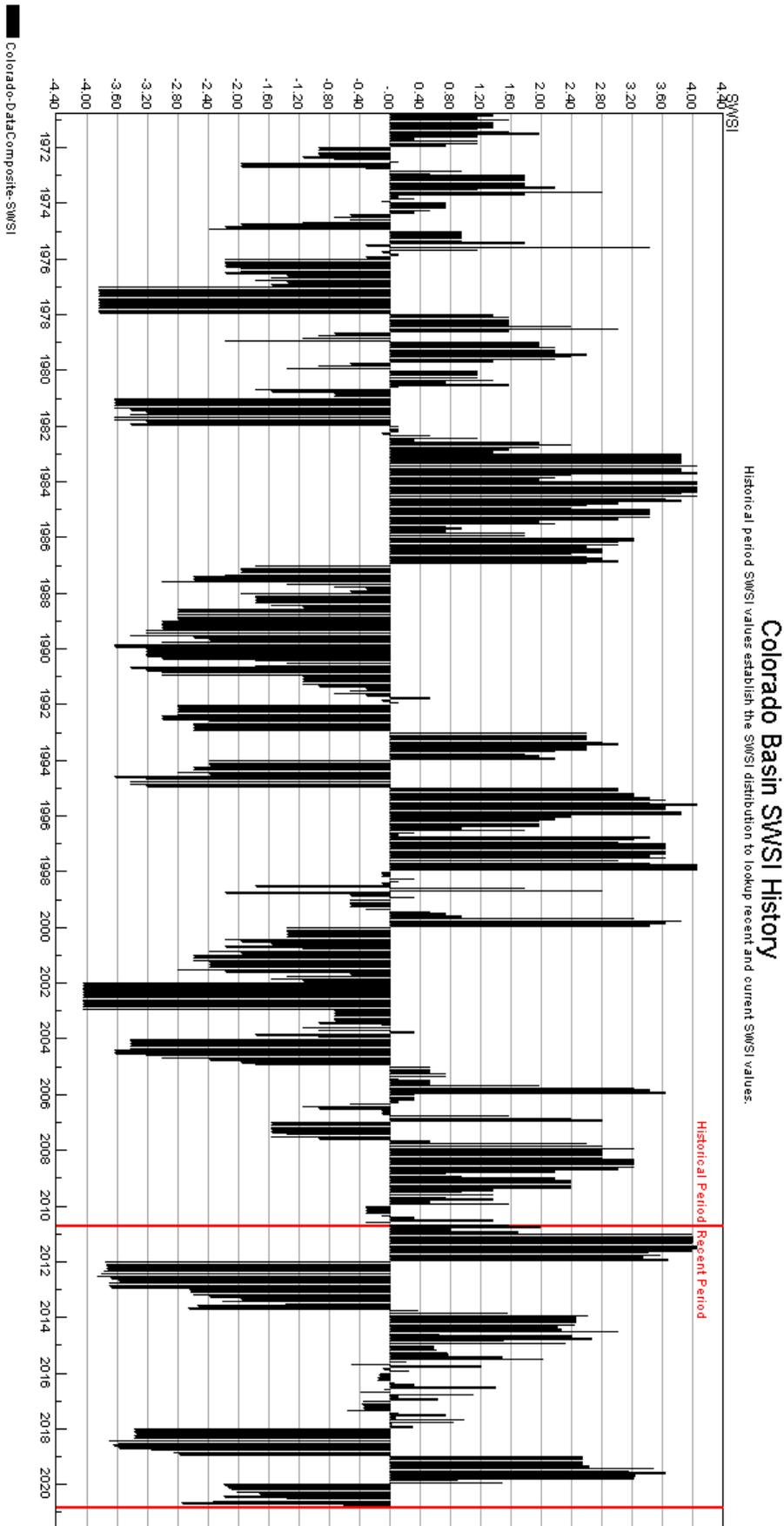
Basinwide Conditions Assessment

The SWSI value for the month was 1.9.

Precipitation (24 sites) - Entire Yampa, White, and North Platte basins were **40%** of the monthly average, putting the basin at 84% of average for the water year to date. This is down from last year's monthly average of 53%, and for last year's water year to date, 111%. For the month, the lowest percent of average, at 0%, was the Ripple Creek SNOTEL stations. The highest, at 74%, 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 **56.7° F**. This is +2.7°F from the average of 54.0 °F. This temperature ranks 112th for lowest of the previous 126 years of data. For the NOAA Colorado Climate Division 4: Platte Drainage, the average temperature was **59.0°F**, +2.0°F from the average of 57.0°F, ranking 88th.
Averages are from 1901-2000 records

Reservoir Outlook

Elkhead Reservoir –September 30th, 2020 capacity level was 16,393 AF of 25,550 AF –
        64.2% capacity.
Fish Creek Reservoir – September 30th, 2020 elevation was 9870.4' at 2300 AF of 4,160 AF –
        55.2% capacity.
Stagecoach Reservoir – September 30th, 2020 capacity level was at 32,700 AF of 36,500 AF –
        90% of capacity, 106% of average, 95% of last year.
Yamcolo Reservoir – September 30th, 2020 capacity level was at 3000 AF of 8,700 AF –
        34% of capacity, 70% of average, 34% of last year.
Averages are from 1981-2010 records

Administrative Concerns

Administrative Calls placed in the month of August are as follows:
- *Yampa River Basin:* Yampa River, Bear River, Elk River, Little Bear Creek, South Fork Williams Fork and Talamantes Creek.
- *White River Basin:* Piceance Creek.
- *North Platte River Basin:* Michigan River.

The Yampa River was placed on call for the second time in history. The calling structure was the Lily Park Ditch No 1 and the priority administration number was #37149.   The call lasted from 8/25/2020 to 9/1/2020. The call was changed on 9/1/2020 to the priority admin number #41402 and lasted until 9/3/2020.

YAMPA RIVER AT STEAMBOAT, FLOW BY WATER YEAR

Yampa-White Basin SWSI History

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

18
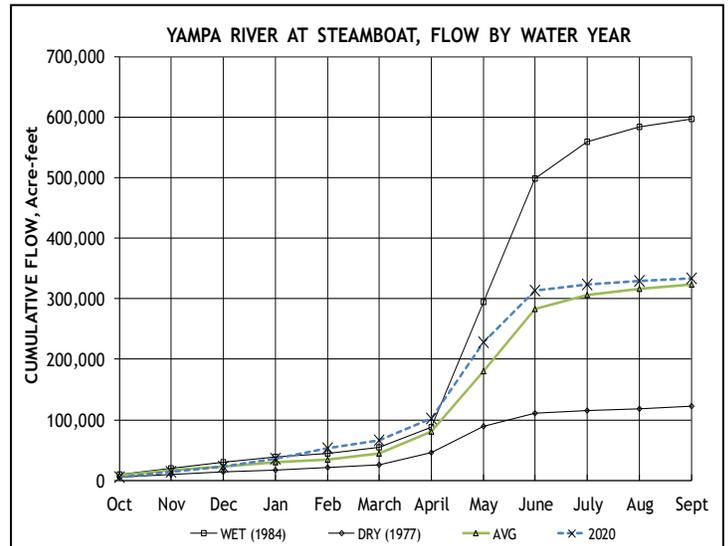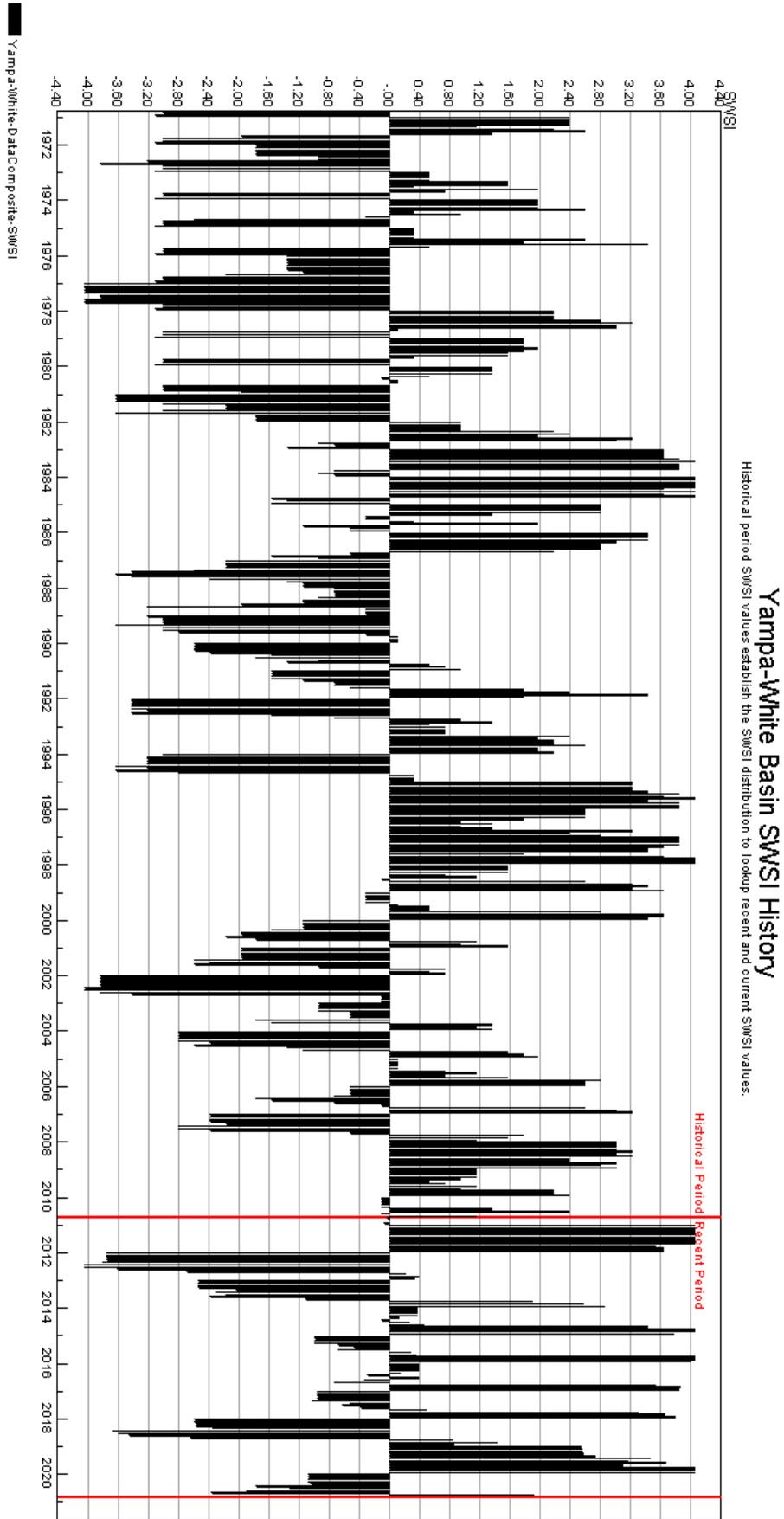
Basinwide Conditions Assessment
The SWSI value for the month was -0.7.

Flow at the Animas River at Durango averaged 166 cfs (37% of average). The flow at the Dolores River at Dolores averaged 146 cfs (82% of average). The La Plata River at Hesperus averaged 6.3 cfs (33% of average). Precipitation in Durango was 1.29 inches for the month, 54% of the 30-year average of 2.38 inches. Precipitation to date in Durango, for the water year is 12.16 inches, 63% of the 30-year average of 19.95 inches. The average high and low temperatures for the month of September in Durango were 81◦ and 42◦. In comparison, the 30-year average high and low for the month is 77◦ and 45◦. At the end of the month Vallecito Reservoir contained 31,066 acre-feet compared to its average content of 758,200 acre-feet (53% of average). McPhee Reservoir was up to 180,583 acre-feet compared to its average content of 267,787 (68% of average), while Lemon Reservoir was up to 11,350 acre-feet as compared to its average content of 18,498 acre-feet (61% of average).

Outlook

Precipitation (1.29 inches) was well below average for September in Durango. There were 79 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 but the area has received very little rain since the last week in July. This September has shaped up to be one of the hottest and driest on record. With the lack of monsoon rains, the flows in the rivers are well below average for the month. There are 108 out of 110 years of record where the total flow past the Animas River at Durango stream gauge was more than this year. There were 52 out of 111 years of record where the total flow past the Dolores stream gauge was more than this year and that was with the help of releases from Groundhog Reservoir. There were 94 out of 104 years of record where the total flow past the La Plata River at Hesperus gauge was more than this year. All of the reservoirs within the basin are below average for this time of year.

ANIMAS RIVER NR. DURANGO, FLOW BY WATER YEAR

CUMULATIVE FLOW, Acre-Feet

Legend: WET (1973), DRY (2002), AVG, 2020

REPRESENTATIVE RESERVOIRS

Usable Storage, acre-feet

McPhee   Vallecito   Lemon

Legend: Avg. 9/30 Contents, 9/30/20 Contents
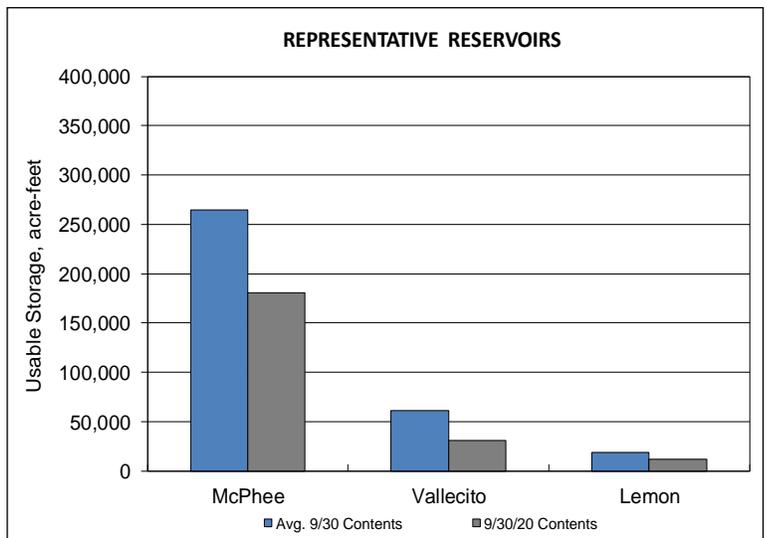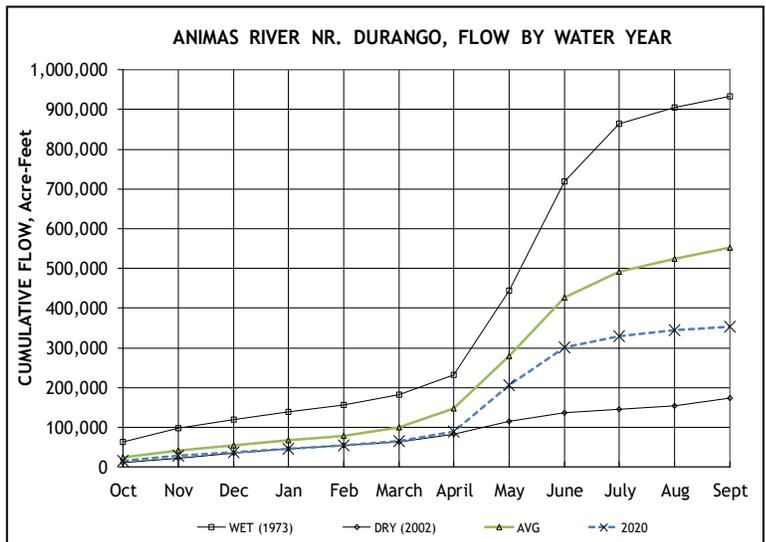
San Juan-Dolores Basin SWSI History

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

San Juan-Dolores Data Composite-SWSI
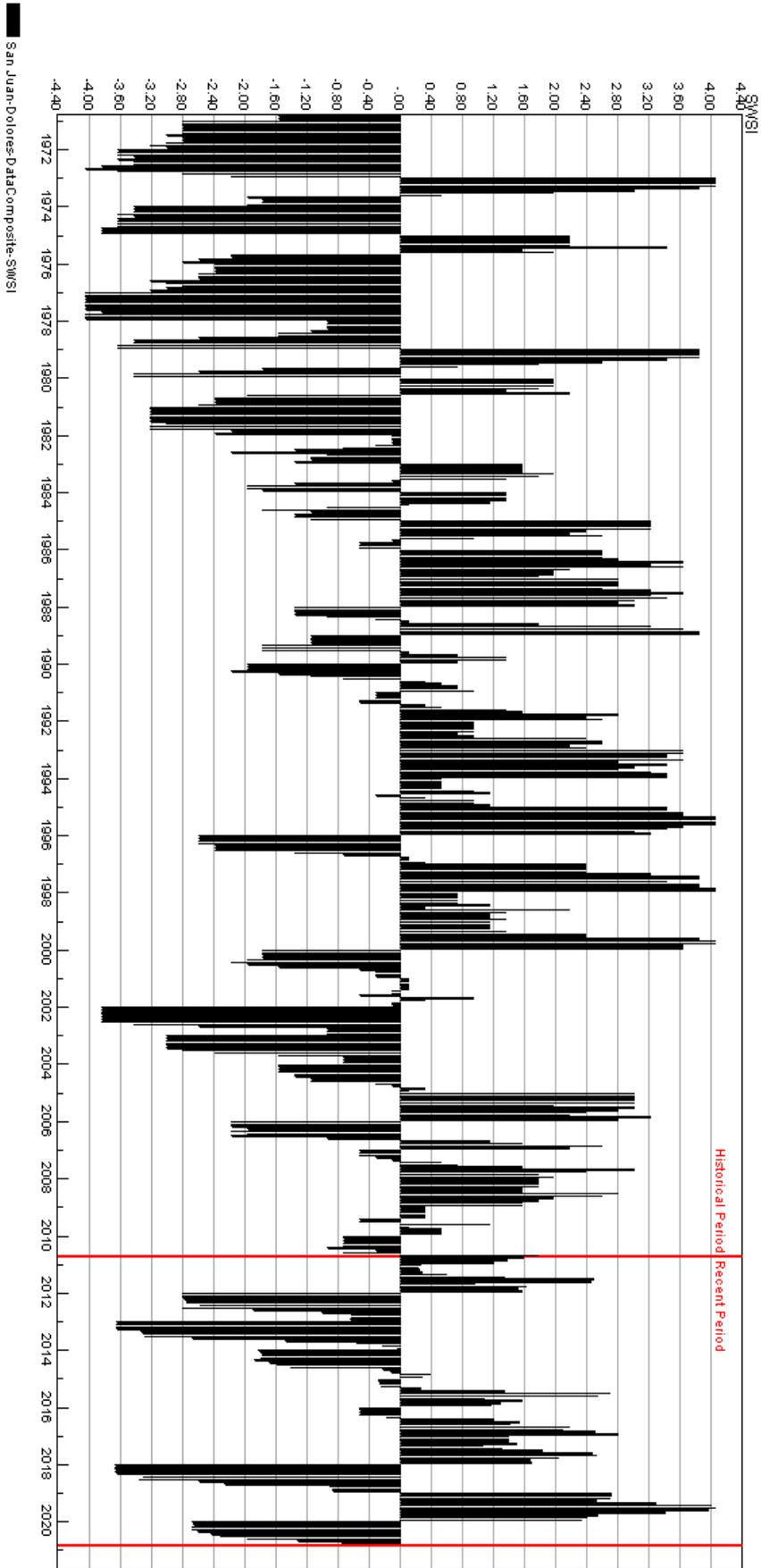
HUC 14080107 (Mancos) Surface Water Supply - OCT
Monthly component volumes

ACFT

Historical Period | Recent Period
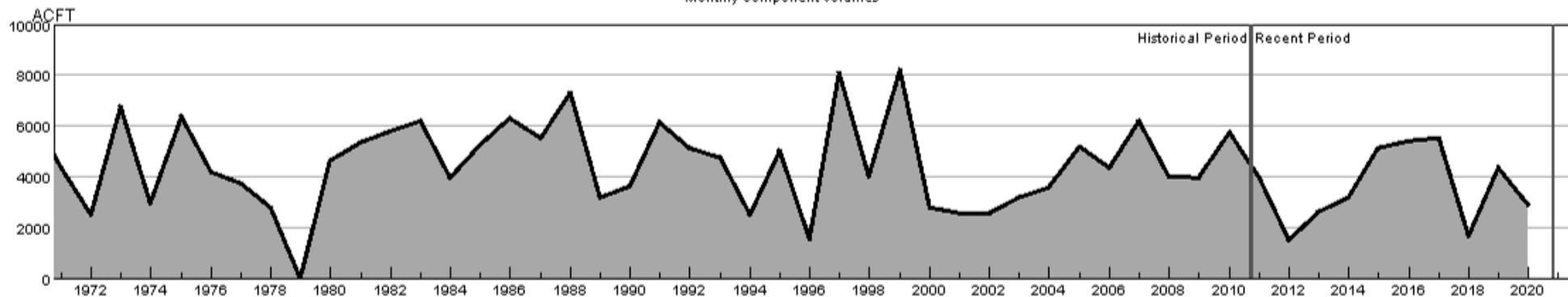
HUC:14080107-OCT-DataComposite
HUC:14080107-OCT-PrevMoStreamflow
HUC:14080107-OCT-ForecastedRunoff
HUC:14080107-OCT-ReservoirStorage

HUC 14080107 (Mancos) SWSI Values - OCT
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.

SWSI

Historical Period | Recent Period
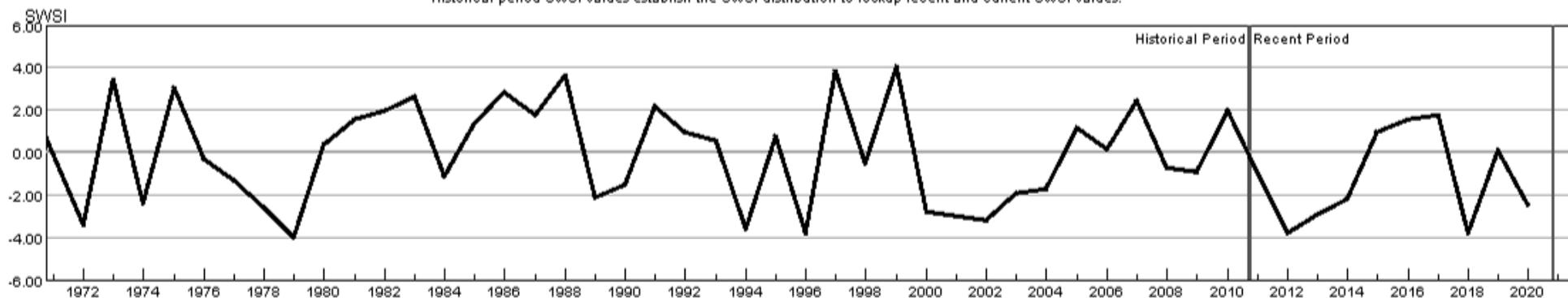
HUC:14080107-OCT-PrevMoStreamflow-SWSI
HUC:14080107-OCT-ForecastedRunoff-SWSI
HUC:14080107-OCT-ReservoirStorage-SWSI
HUC:14080107-OCT-DataComposite-SWSI

HUC 10180001 (North Platte Headwaters) Surface Water Supply - OCT
Monthly component volumes

ACFT

Historical Period | Recent Period

1972 1974 1976 1978 1980 1982 1984 1986 1988 1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 2020
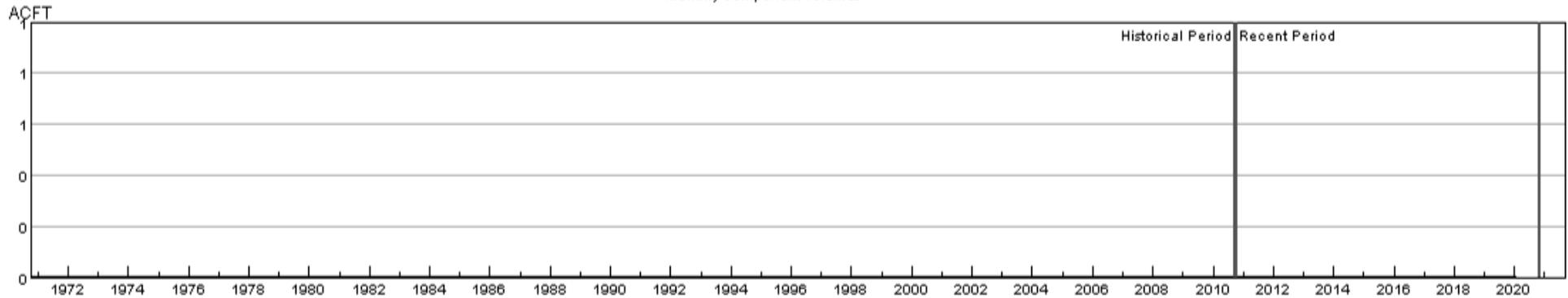
HUC:10180001-OCT-DataComposite
HUC:10180001-OCT-PrevMoStreamflow
HUC:10180001-OCT-ForecastedRunoff
HUC:10180001-OCT-ReservoirStorage

HUC 10180001 (North Platte Headwaters) SWSI Values - OCT
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.

SWSI

Historical Period | Recent Period

1.00	
0.80	
0.60	
0.40	
0.20	
0.00	

1972 1974 1976 1978 1980 1982 1984 1986 1988 1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 2020
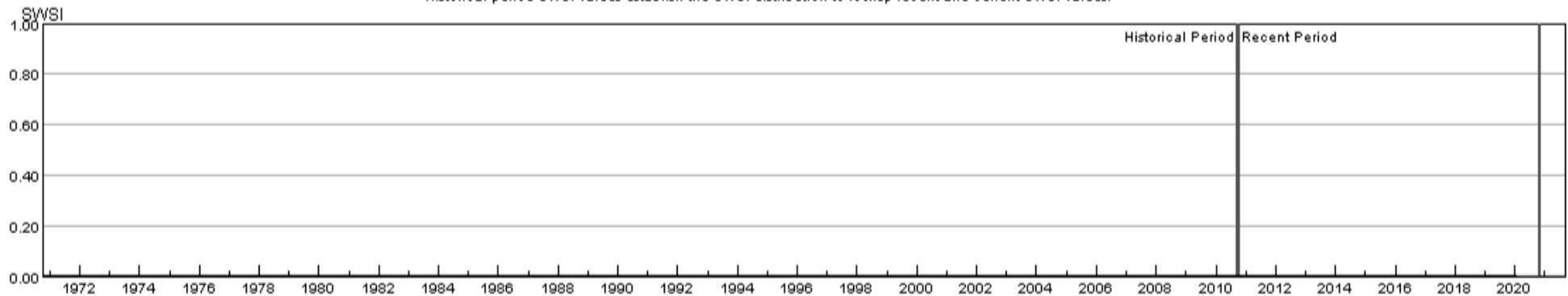
HUC:10180001-OCT-PrevMoStreamflow-SWSI
HUC:10180001-OCT-ForecastedRunoff-SWSI
HUC:10180001-OCT-ReservoirStorage-SWSI
HUC:10180001-OCT-DataComposite-SWSI

HUC 10190001 (South Platte Headwater) Surface Water Supply - OCT

Monthly component volumes
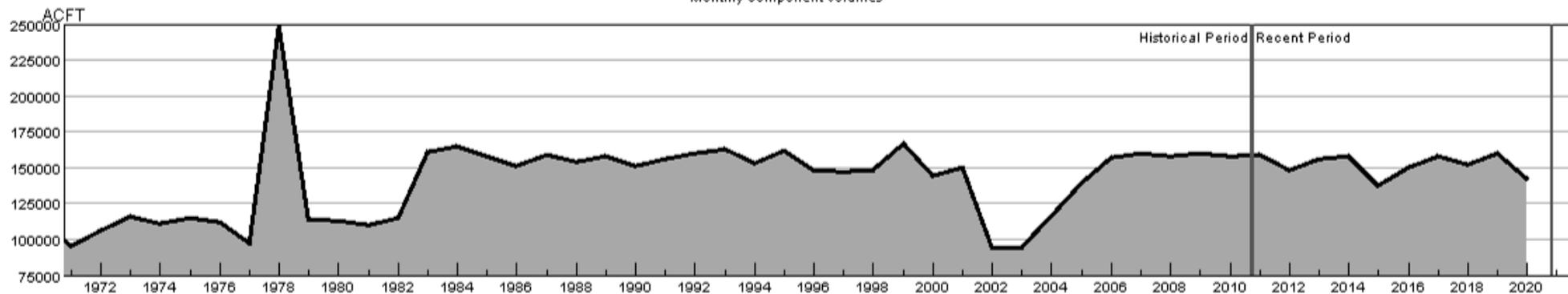
Legend:
- HUC:10190001-OCT-DataComposite
- HUC:10190001-OCT-PrevMoStreamflow
- HUC:10190001-OCT-ForecastedRunoff
- HUC:10190001-OCT-ReservoirStorage

# HUC 10190001 (South Platte Headwater) SWSI Values - OCT

Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.
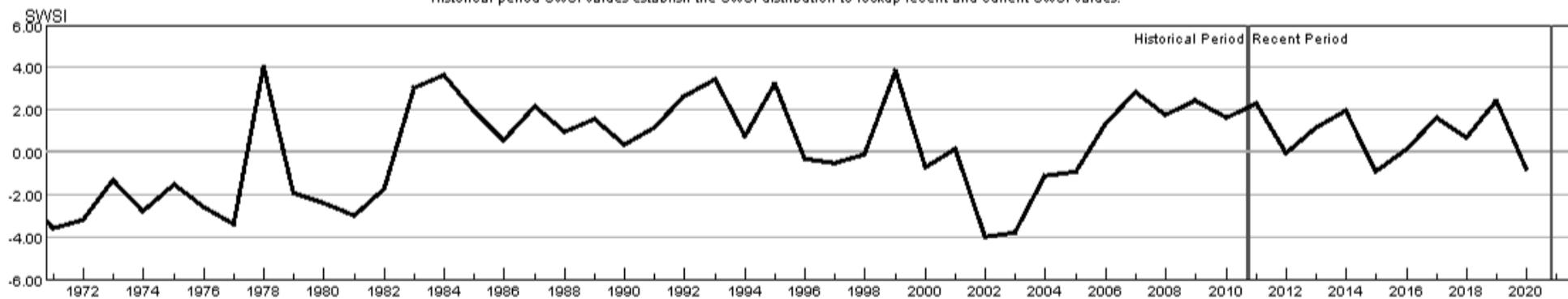
Legend:
- HUC:10190001-OCT-PrevMoStreamflow-SWSI
- HUC:10190001-OCT-ForecastedRunoff-SWSI
- HUC:10190001-OCT-ReservoirStorage-SWSI
- HUC:10190001-OCT-DataComposite-SWSI

HUC 10190002 (Upper South Platte) Surface Water Supply - OCT

Monthly component volumes
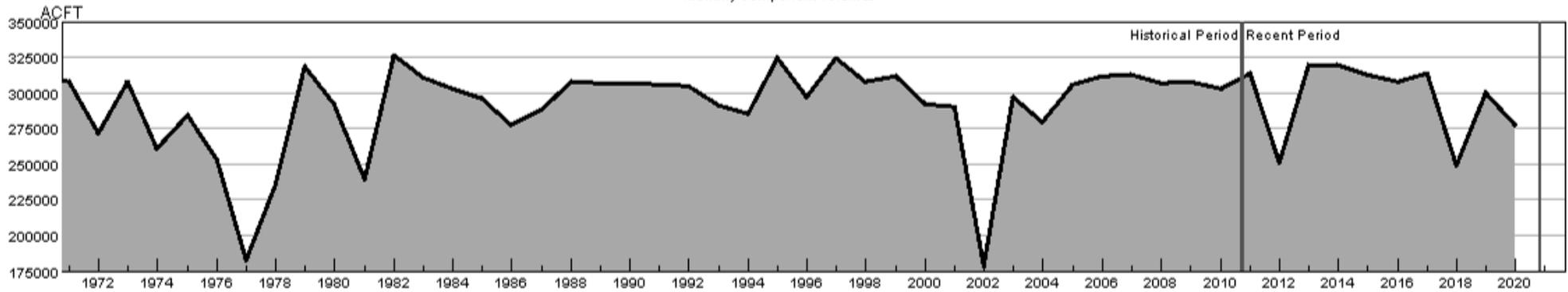
HUC:10190002-OCT-DataComposite
HUC:10190002-OCT-PrevMoStreamflow
HUC:10190002-OCT-ForecastedRunoff
HUC:10190002-OCT-ReservoirStorage

# HUC 10190002 (Upper South Platte) SWSI Values - OCT

Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.
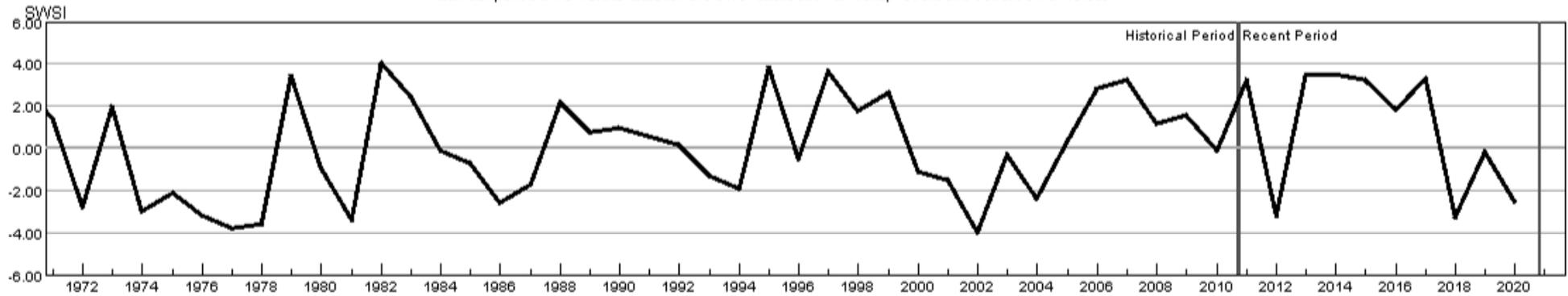
HUC:10190002-OCT-PrevMoStreamflow-SWSI
HUC:10190002-OCT-ForecastedRunoff-SWSI
HUC:10190002-OCT-ReservoirStorage-SWSI
HUC:10190002-OCT-DataComposite-SWSI

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

Monthly component volumes
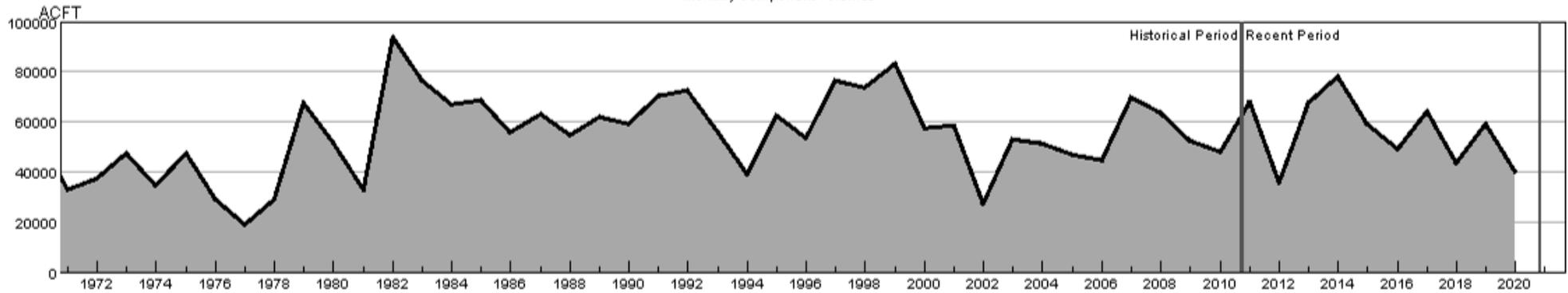
HUC:10190003-OCT-DataComposite
HUC:10190003-OCT-PrevMoStreamflow
HUC:10190003-OCT-ForecastedRunoff
HUC:10190003-OCT-ReservoirStorage

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

Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.
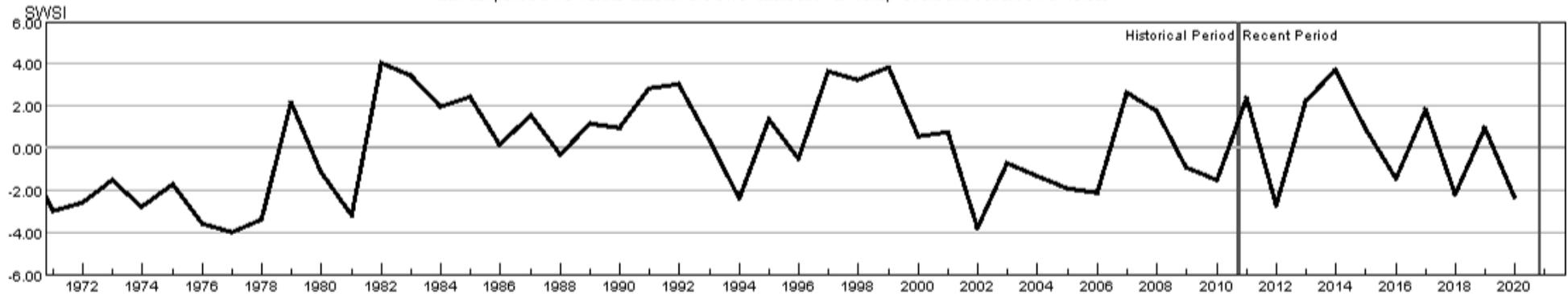
HUC:10190003-OCT-PrevMoStreamflow-SWSI
HUC:10190003-OCT-ForecastedRunoff-SWSI
HUC:10190003-OCT-ReservoirStorage-SWSI
HUC:10190003-OCT-DataComposite-SWSI

HUC 10190004 (Clear) Surface Water Supply - OCT
Monthly component volumes

ACFT

Historical Period | Recent Period

1972 1974 1976 1978 1980 1982 1984 1986 1988 1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 2020
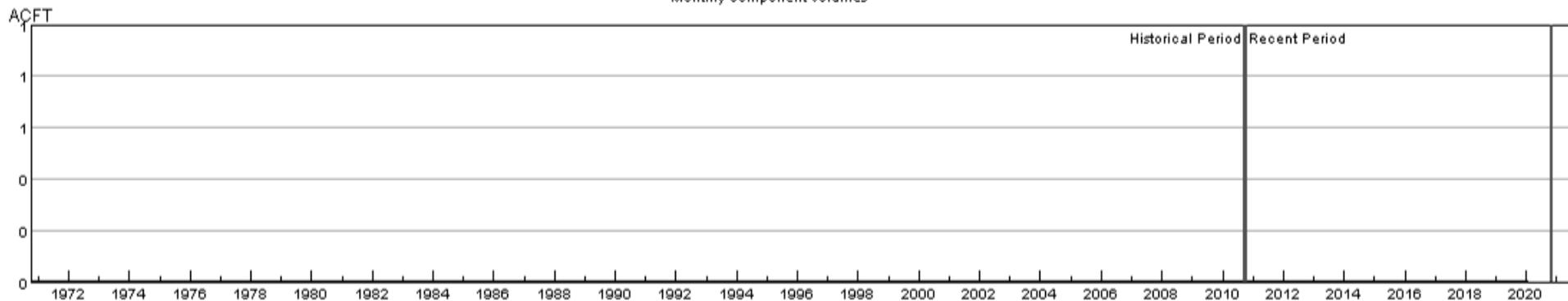
— HUC:10190004-OCT-DataComposite
— HUC:10190004-OCT-PrevMoStreamflow
— HUC:10190004-OCT-ForecastedRunoff
— HUC:10190004-OCT-ReservoirStorage

HUC 10190004 (Clear) SWSI Values - OCT
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.

SWSI

| 1.00 |
| 0.80 |
| 0.60 |
| 0.40 |
| 0.20 |
| 0.00 |

Historical Period | Recent Period

1972 1974 1976 1978 1980 1982 1984 1986 1988 1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 2020
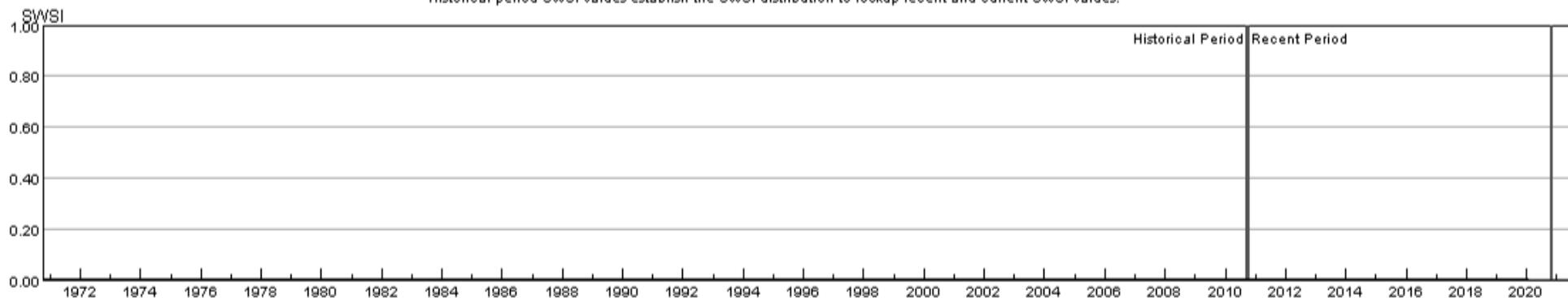
— HUC:10190004-OCT-PrevMoStreamflow-SWSI
— HUC:10190004-OCT-ForecastedRunoff-SWSI
— HUC:10190004-OCT-ReservoirStorage-SWSI
— HUC:10190004-OCT-DataComposite-SWSI

HUC 10190005 (St. Vrain) Surface Water Supply - OCT

Monthly component volumes

ACFT
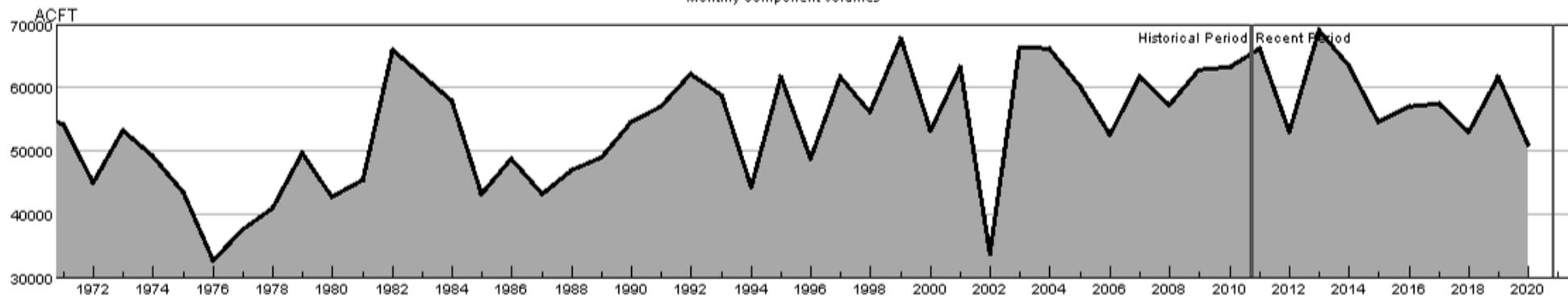
Legend:
- HUC:10190005-OCT-DataComposite
- HUC:10190005-OCT-PrevMoStreamflow
- HUC:10190005-OCT-ForecastedRunoff
- HUC:10190005-OCT-ReservoirStorage

HUC 10190005 (St. Vrain) SWSI Values - OCT

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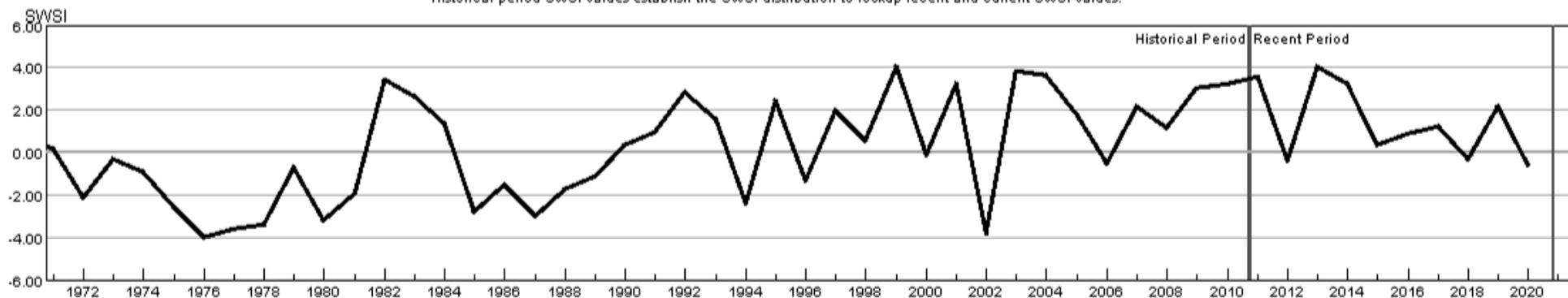
SWSI

Legend:
- HUC:10190005-OCT-PrevMoStreamflow-SWSI
- HUC:10190005-OCT-ForecastedRunoff-SWSI
- HUC:10190005-OCT-ReservoirStorage-SWSI
- HUC:10190005-OCT-DataComposite-SWSI

HUC 10190006 (Big Thompson) Surface Water Supply - OCT
Monthly component volumes

Legend:
- HUC:10190006-OCT-DataComposite
- HUC:10190006-OCT-PrevMoStreamflow
- HUC:10190006-OCT-ForecastedRunoff
- HUC:10190006-OCT-ReservoirStorage

# HUC 10190006 (Big Thompson) SWSI Values - OCT
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.
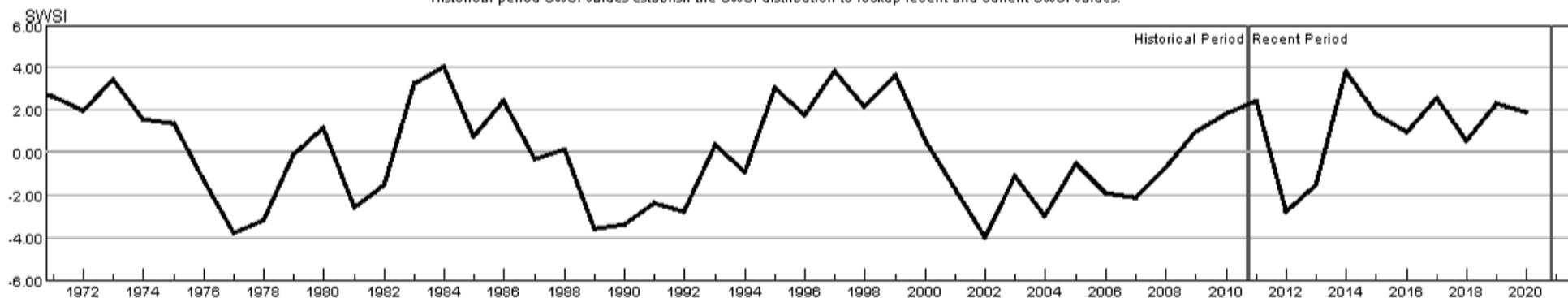
Legend:
- HUC:10190006-OCT-PrevMoStreamflow-SWSI
- HUC:10190006-OCT-ForecastedRunoff-SWSI
- HUC:10190006-OCT-ReservoirStorage-SWSI
- HUC:10190006-OCT-DataComposite-SWSI

HUC 10190007 (Cache La Poudre) Surface Water Supply - OCT

Monthly component volumes
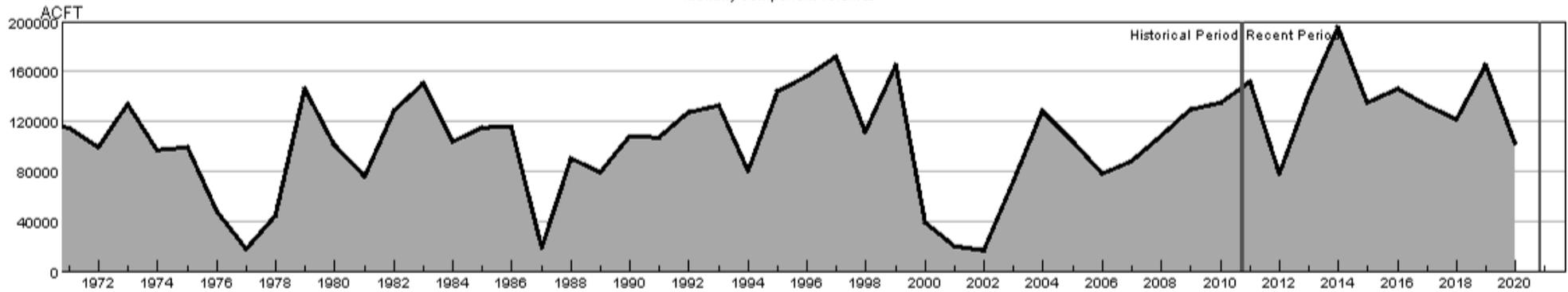
Legend:
- HUC:10190007-OCT-DataComposite
- HUC:10190007-OCT-PrevMoStreamflow
- HUC:10190007-OCT-ForecastedRunoff
- HUC:10190007-OCT-ReservoirStorage

# HUC 10190007 (Cache La Poudre) SWSI Values - OCT

Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.
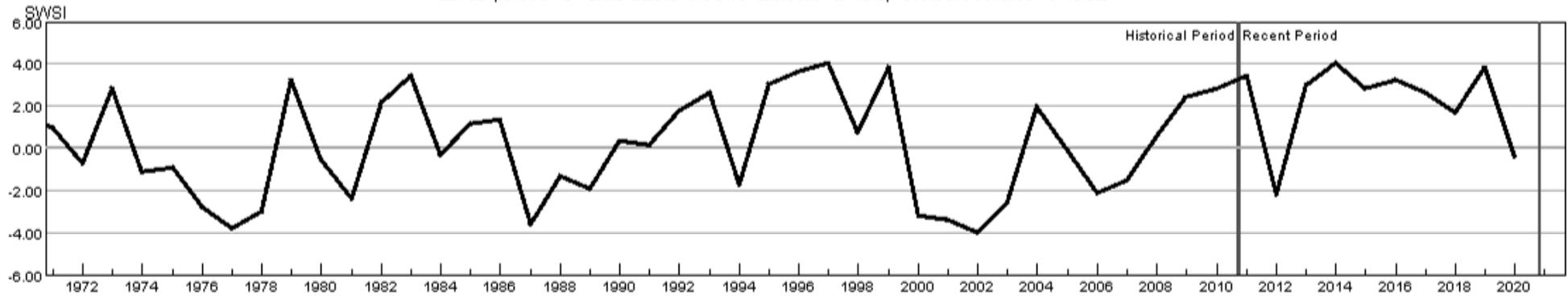
Legend:
- HUC:10190007-OCT-PrevMoStreamflow-SWSI
- HUC:10190007-OCT-ForecastedRunoff-SWSI
- HUC:10190007-OCT-ReservoirStorage-SWSI
- HUC:10190007-OCT-DataComposite-SWSI

HUC 10190012 (Middle South Platte-Sterling) Surface Water Supply - OCT

Monthly component volumes

Legend:
- HUC:10190012-OCT-DataComposite
- HUC:10190012-OCT-PrevMoStreamflow
- HUC:10190012-OCT-ForecastedRunoff
- HUC:10190012-OCT-ReservoirStorage

HUC 10190012 (Middle South Platte-Sterling) SWSI Values - OCT

Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.
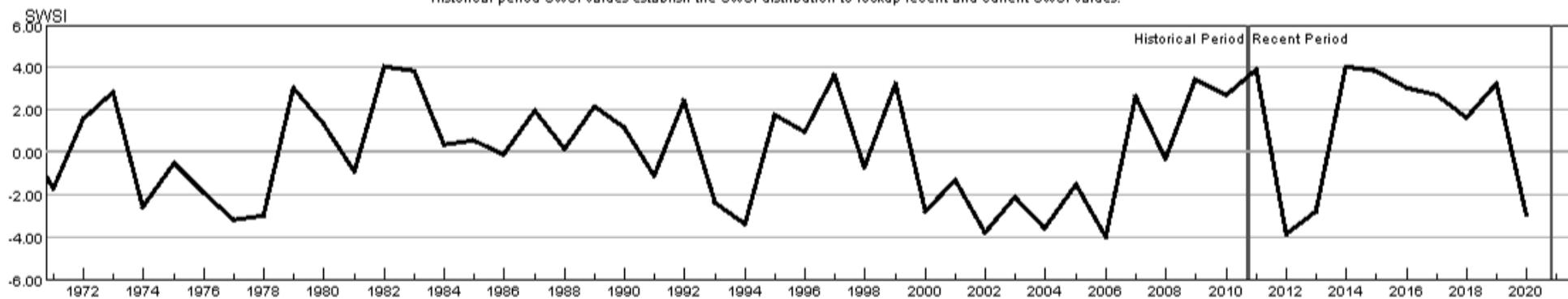
Legend:
- HUC:10190012-OCT-PrevMoStreamflow-SWSI
- HUC:10190012-OCT-ForecastedRunoff-SWSI
- HUC:10190012-OCT-ReservoirStorage-SWSI
- HUC:10190012-OCT-DataComposite-SWSI

HUC 11020001 (Arkansas Headwaters) Surface Water Supply - OCT
### Monthly component volumes

Historical Period | Recent Period
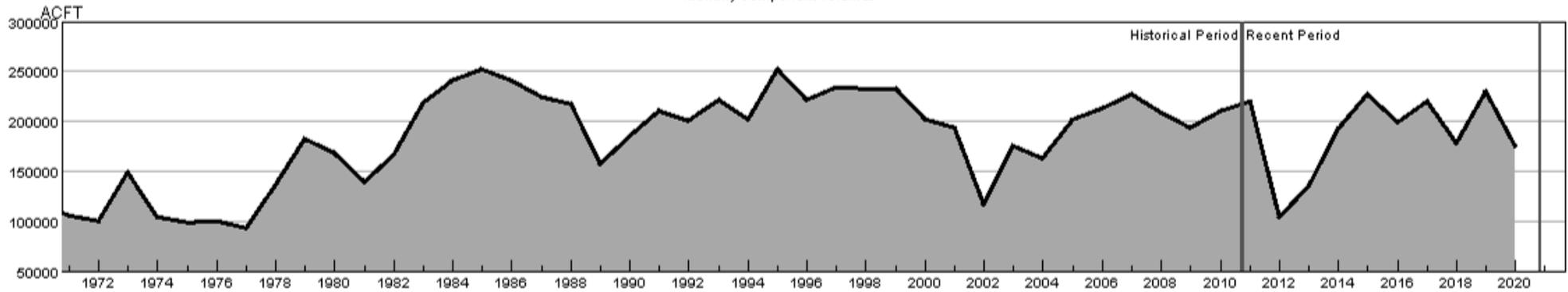
- HUC:11020001-OCT-DataComposite
- HUC:11020001-OCT-PrevMoStreamflow
- HUC:11020001-OCT-ForecastedRunoff
- HUC:11020001-OCT-ReservoirStorage

HUC 11020001 (Arkansas Headwaters) SWSI Values - OCT
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.

Historical Period | Recent Period
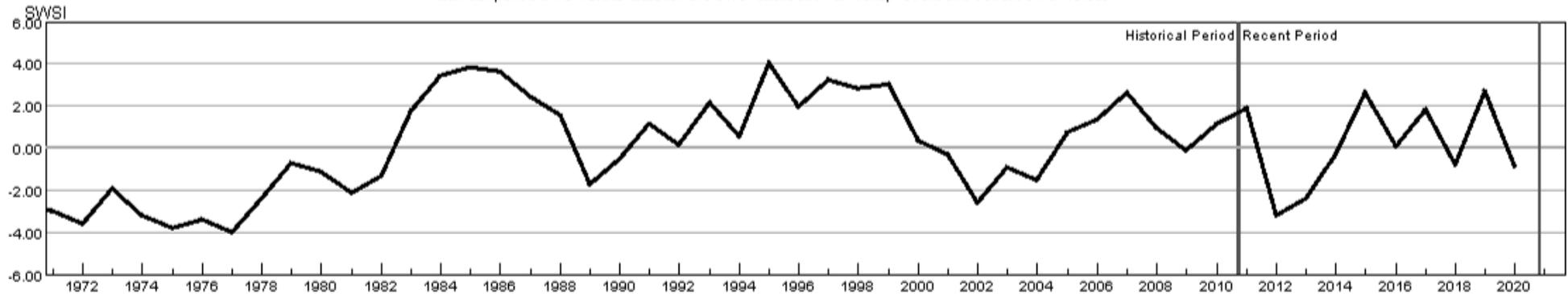
- HUC:11020001-OCT-PrevMoStreamflow-SWSI
- HUC:11020001-OCT-ForecastedRunoff-SWSI
- HUC:11020001-OCT-ReservoirStorage-SWSI
- HUC:11020001-OCT-DataComposite-SWSI

HUC 11020002 (Upper Arkansas) Surface Water Supply - OCT
Monthly component volumes
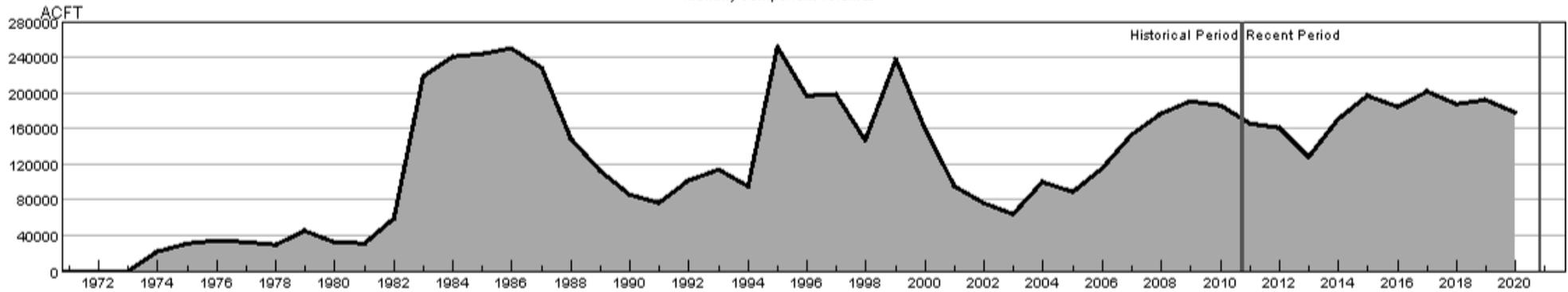
Legend:
- HUC:11020002-OCT-DataComposite
- HUC:11020002-OCT-PrevMoStreamflow
- HUC:11020002-OCT-ForecastedRunoff
- HUC:11020002-OCT-ReservoirStorage

## HUC 11020002 (Upper Arkansas) SWSI Values - OCT
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.
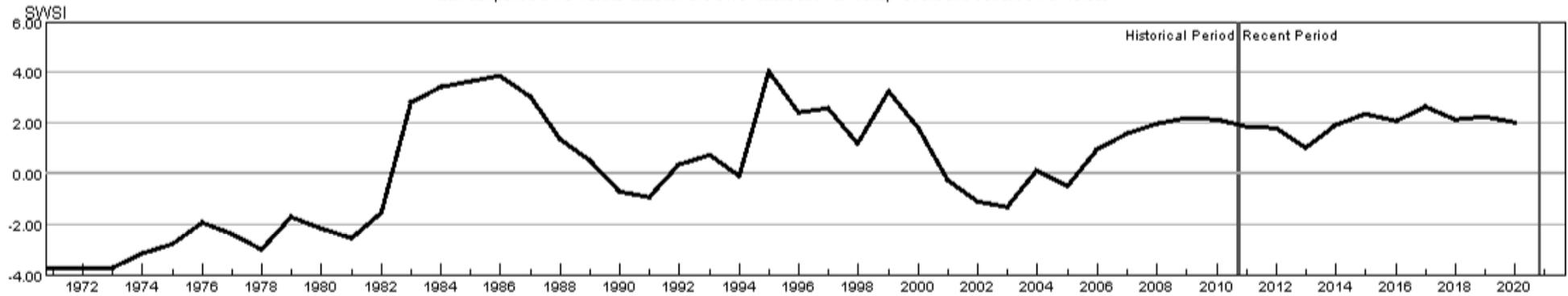
Legend:
- HUC:11020002-OCT-PrevMoStreamflow-SWSI
- HUC:11020002-OCT-ForecastedRunoff-SWSI
- HUC:11020002-OCT-ReservoirStorage-SWSI
- HUC:11020002-OCT-DataComposite-SWSI

HUC 11020005 (Upper Arkansas-Lake Meredith) Surface Water Supply - OCT

Monthly component volumes

ACFT

Historical Period | Recent Period
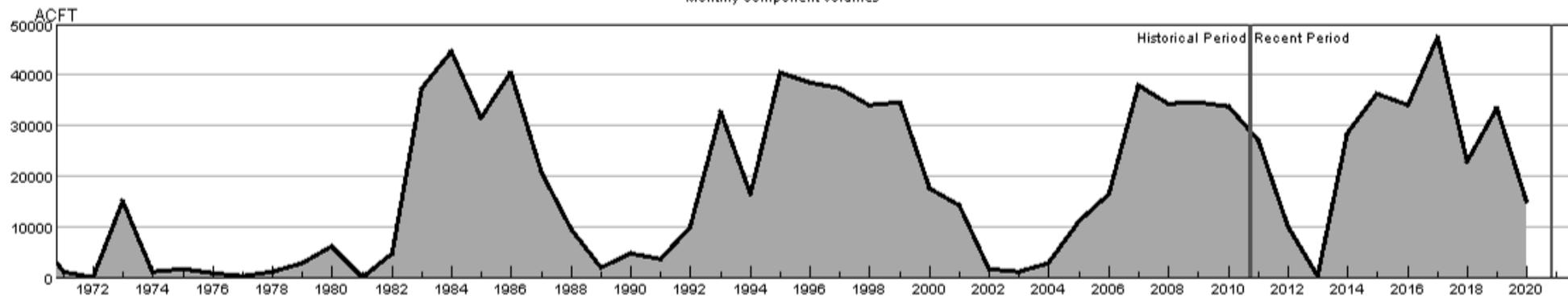
HUC:11020005-OCT-DataComposite
HUC:11020005-OCT-PrevMoStreamflow
HUC:11020005-OCT-ForecastedRunoff
HUC:11020005-OCT-ReservoirStorage

HUC 11020005 (Upper Arkansas-Lake Meredith) SWSI Values - OCT

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

SWSI

Historical Period | Recent Period
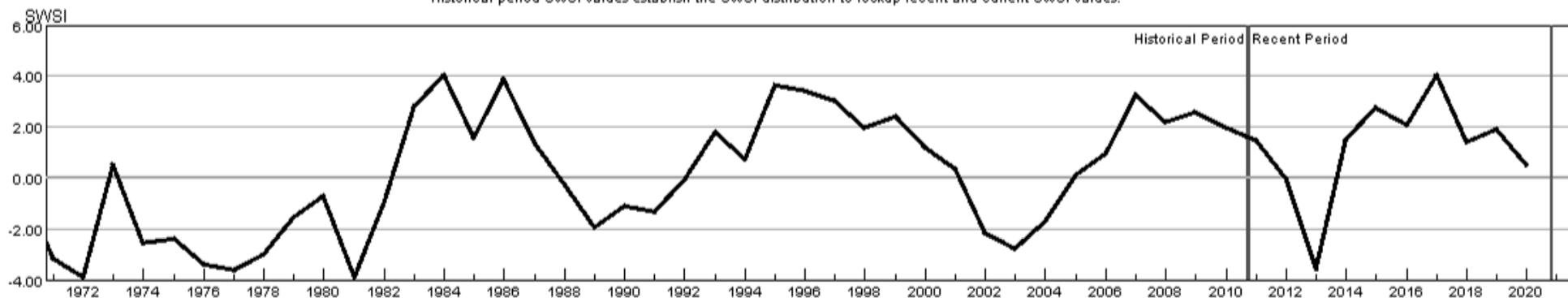
HUC:11020005-OCT-PrevMoStreamflow-SWSI
HUC:11020005-OCT-ForecastedRunoff-SWSI
HUC:11020005-OCT-ReservoirStorage-SWSI
HUC:11020005-OCT-DataComposite-SWSI

HUC 11020006 (Huerfano) Surface Water Supply - OCT

Monthly component volumes
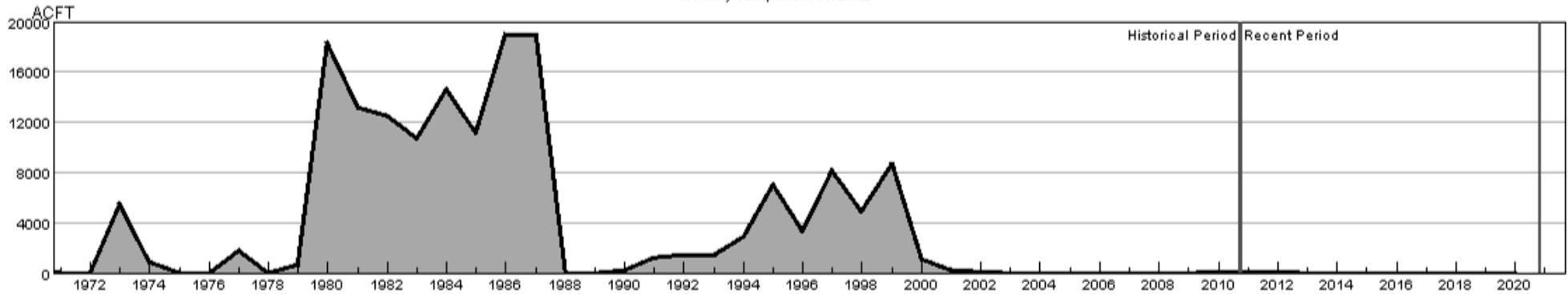
Legend:
- HUC:11020006-OCT-DataComposite
- HUC:11020006-OCT-PrevMoStreamflow
- HUC:11020006-OCT-ForecastedRunoff
- HUC:11020006-OCT-ReservoirStorage

# HUC 11020006 (Huerfano) SWSI Values - OCT

Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.
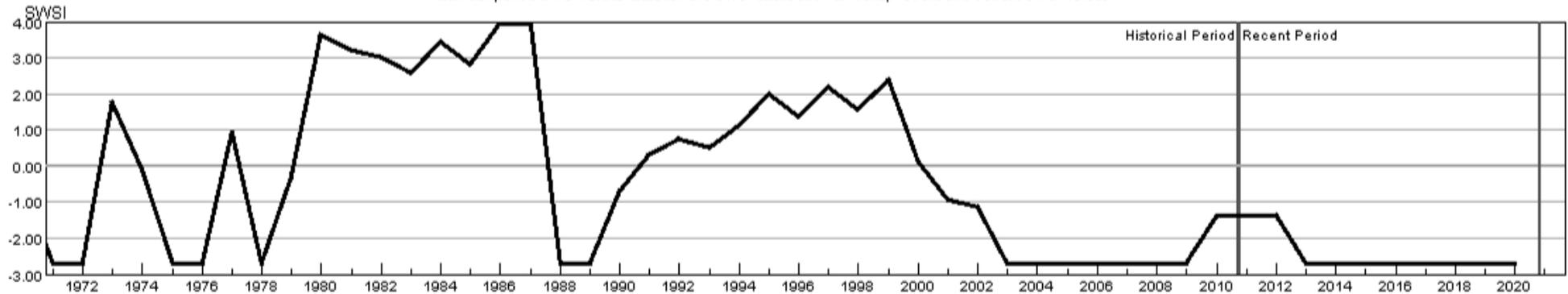
Legend:
- HUC:11020006-OCT-PrevMoStreamflow-SWSI
- HUC:11020006-OCT-ForecastedRunoff-SWSI
- HUC:11020006-OCT-ReservoirStorage-SWSI
- HUC:11020006-OCT-DataComposite-SWSI

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

Monthly component volumes

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

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

Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.
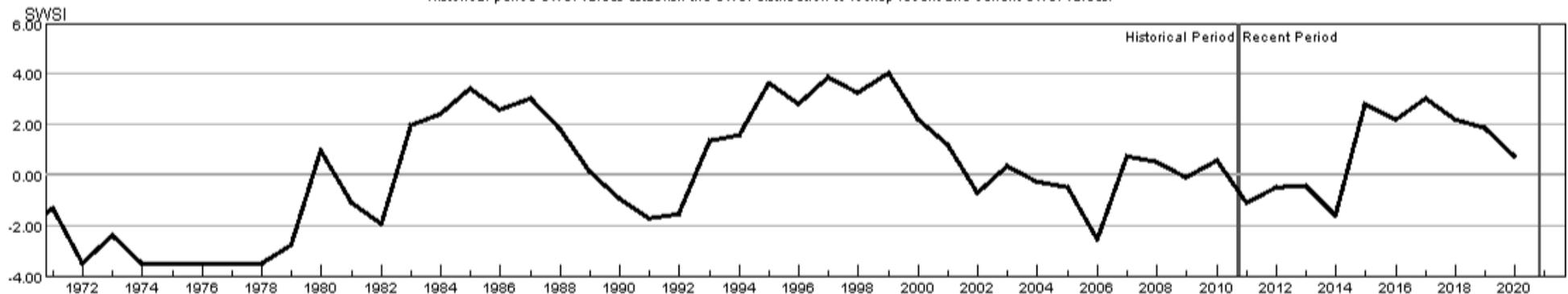
HUC:11020009-OCT-PrevMoStreamflow-SWSI
HUC:11020009-OCT-ForecastedRunoff-SWSI
HUC:11020009-OCT-ReservoirStorage-SWSI
HUC:11020009-OCT-DataComposite-SWSI

HUC 11020010 (Purgatoire) Surface Water Supply - OCT
Monthly component volumes

ACFT

Historical Period | Recent Period

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

HUC 11020010 (Purgatoire) SWSI Values - OCT
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.

SWSI

Historical Period | Recent Period

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

HUC 13010001 (Rio Grande Headwaters) Surface Water Supply - OCT
### Monthly component volumes

Historical Period | Recent Period
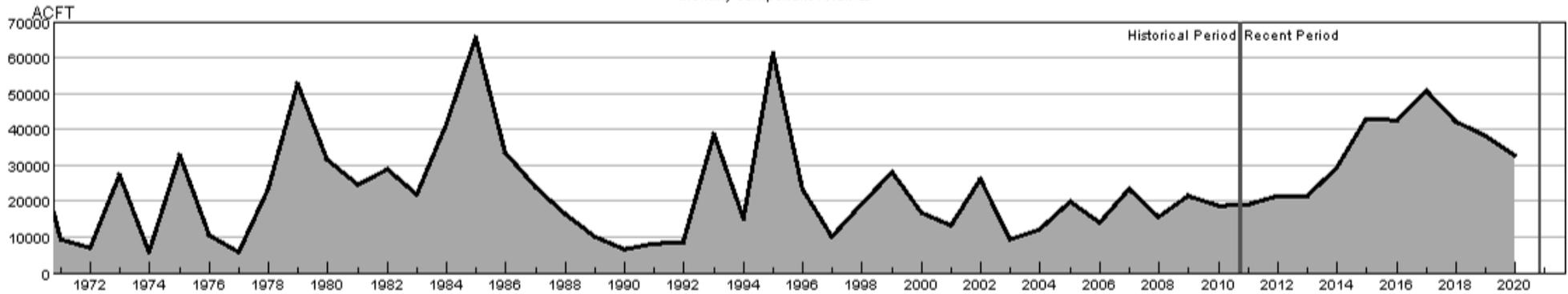
HUC:13010001-OCT-DataComposite
HUC:13010001-OCT-PrevMoStreamflow
HUC:13010001-OCT-ForecastedRunoff
HUC:13010001-OCT-ReservoirStorage

HUC 13010001 (Rio Grande Headwaters) SWSI Values - OCT
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.

Historical Period | Recent Period
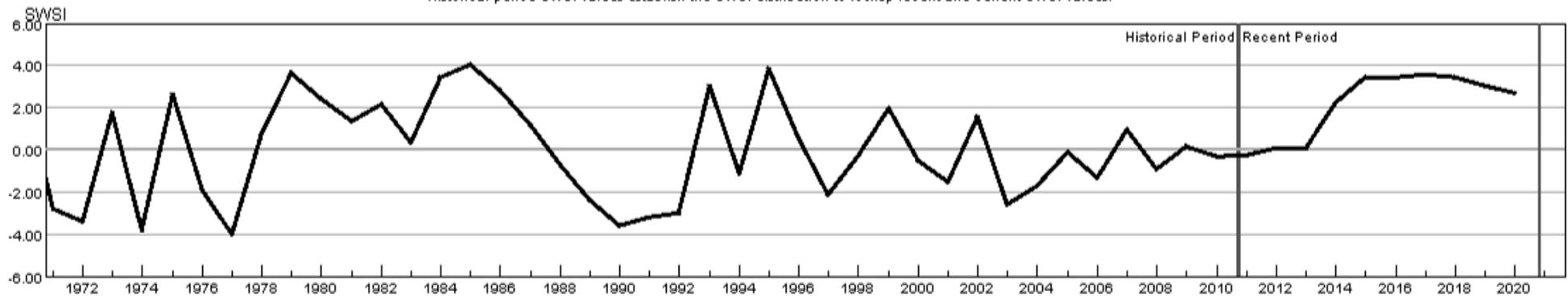
HUC:13010001-OCT-PrevMoStreamflow-SWSI
HUC:13010001-OCT-ForecastedRunoff-SWSI
HUC:13010001-OCT-ReservoirStorage-SWSI
HUC:13010001-OCT-DataComposite-SWSI

HUC 13010002 (Alamosa-Trinchera) Surface Water Supply - OCT
Monthly component volumes

ACFT

Historical Period | Recent Period
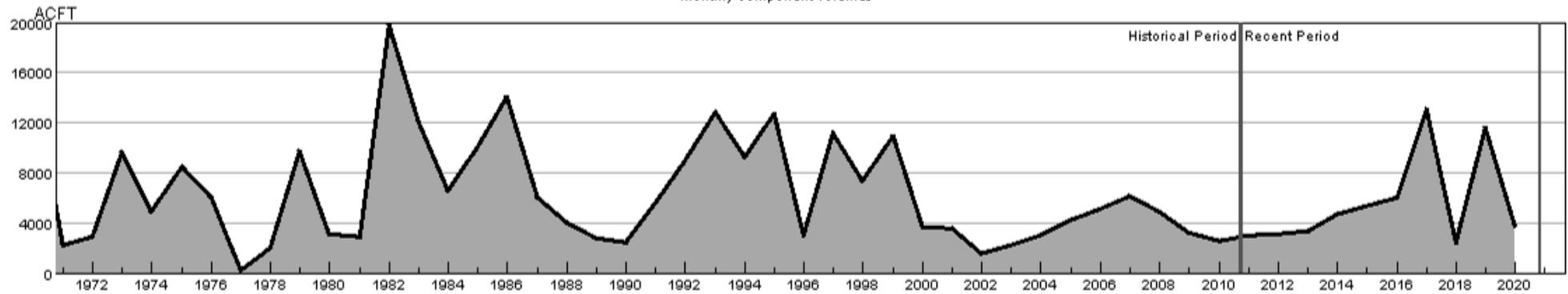
HUC:13010002-OCT-DataComposite
HUC:13010002-OCT-PrevMoStreamflow
HUC:13010002-OCT-ForecastedRunoff
HUC:13010002-OCT-ReservoirStorage

HUC 13010002 (Alamosa-Trinchera) SWSI Values - OCT
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.

SWSI

Historical Period | Recent Period
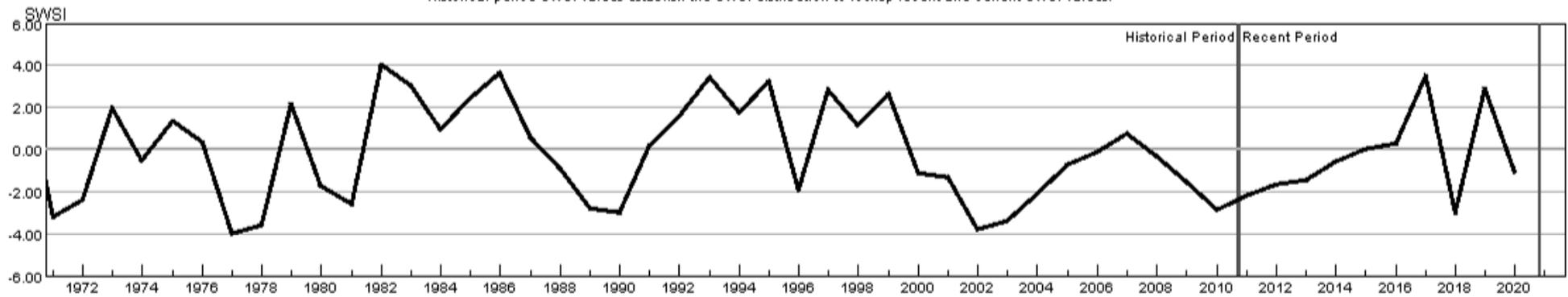
HUC:13010002-OCT-PrevMoStreamflow-SWSI
HUC:13010002-OCT-ForecastedRunoff-SWSI
HUC:13010002-OCT-ReservoirStorage-SWSI
HUC:13010002-OCT-DataComposite-SWSI

HUC 13010004 (Saguache) Surface Water Supply - OCT
### Monthly component volumes

ACFT

Historical Period | Recent Period

1972 1974 1976 1978 1980 1982 1984 1986 1988 1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 2020
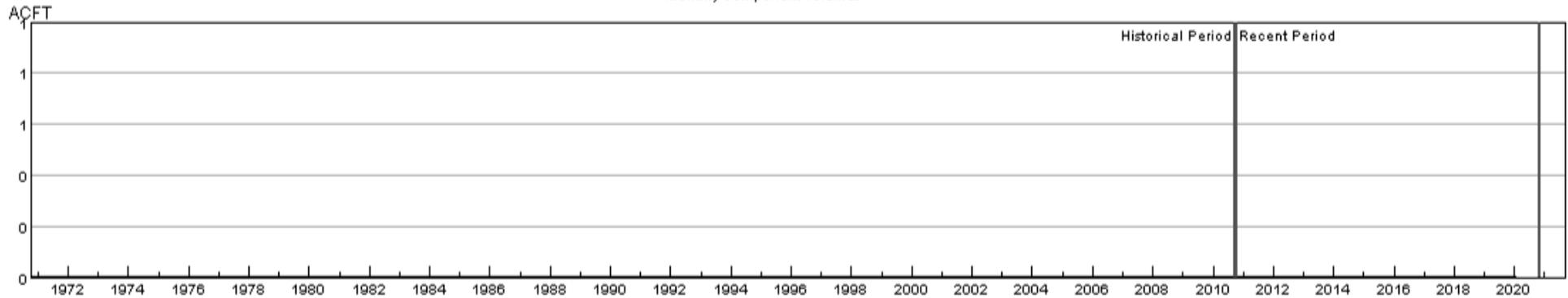
HUC:13010004-OCT-DataComposite
HUC:13010004-OCT-PrevMoStreamflow
HUC:13010004-OCT-ForecastedRunoff
HUC:13010004-OCT-ReservoirStorage

HUC 13010004 (Saguache) SWSI Values - OCT
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.

SWSI

1.00	
0.80	
0.60	
0.40	
0.20	
0.00	

Historical Period | Recent Period

1972 1974 1976 1978 1980 1982 1984 1986 1988 1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 2020
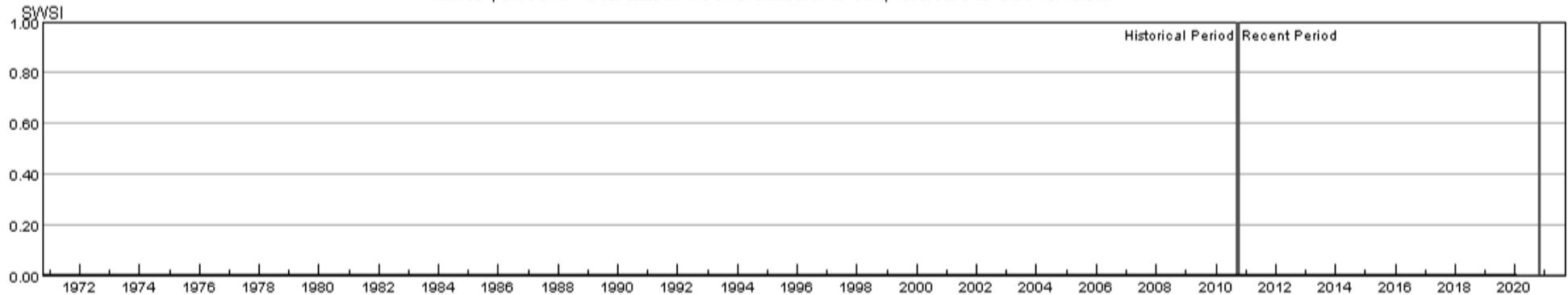
HUC:13010004-OCT-PrevMoStreamflow-SWSI
HUC:13010004-OCT-ForecastedRunoff-SWSI
HUC:13010004-OCT-ReservoirStorage-SWSI
HUC:13010004-OCT-DataComposite-SWSI

# HUC 13010005 (Conejos) Surface Water Supply - OCT

Monthly component volumes
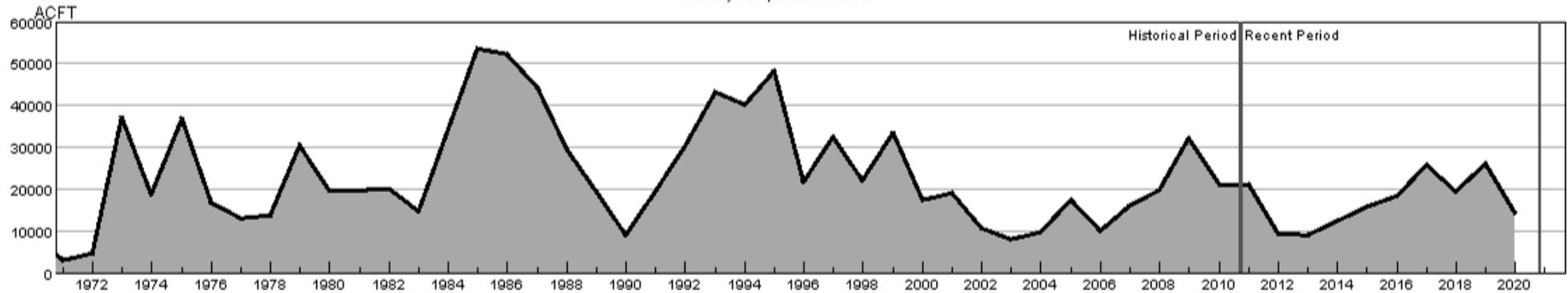
Legend:
- HUC:13010005-OCT-DataComposite
- HUC:13010005-OCT-PrevMoStreamflow
- HUC:13010005-OCT-ForecastedRunoff
- HUC:13010005-OCT-ReservoirStorage

# HUC 13010005 (Conejos) SWSI Values - OCT

Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.
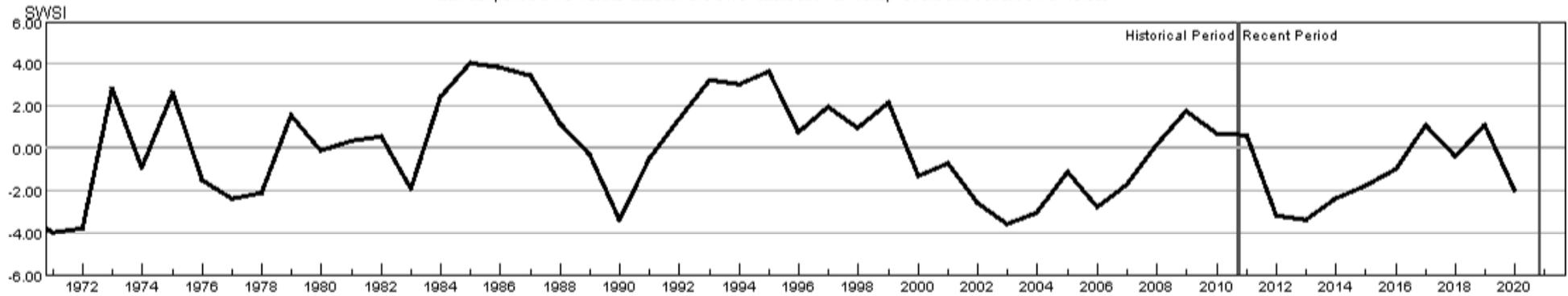
Legend:
- HUC:13010005-OCT-PrevMoStreamflow-SWSI
- HUC:13010005-OCT-ForecastedRunoff-SWSI
- HUC:13010005-OCT-ReservoirStorage-SWSI
- HUC:13010005-OCT-DataComposite-SWSI

HUC 14010001 (Colorado Headwaters) Surface Water Supply - OCT
Monthly component volumes

Historical Period | Recent Period
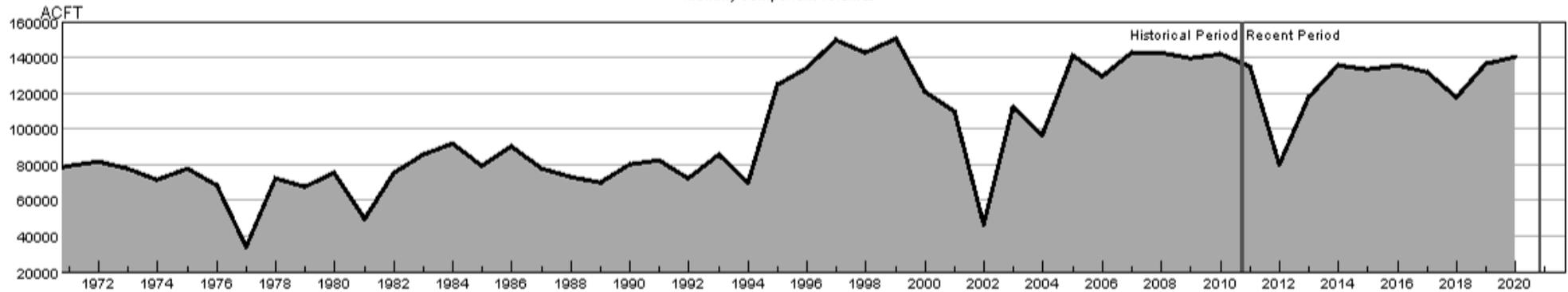
- HUC:14010001-OCT-DataComposite
- HUC:14010001-OCT-PrevMoStreamflow
- HUC:14010001-OCT-ForecastedRunoff
- HUC:14010001-OCT-ReservoirStorage

HUC 14010001 (Colorado Headwaters) SWSI Values - OCT
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.

Historical Period | Recent Period
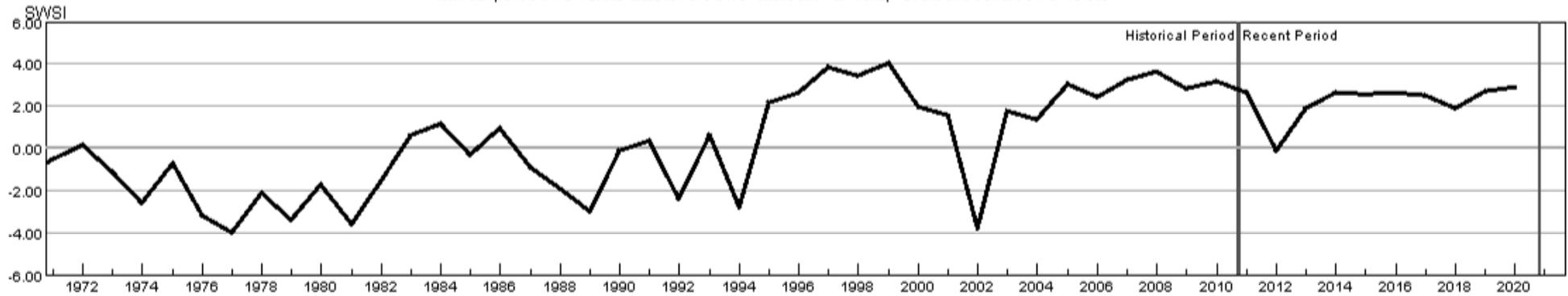
- HUC:14010001-OCT-PrevMoStreamflow-SWSI
- HUC:14010001-OCT-ForecastedRunoff-SWSI
- HUC:14010001-OCT-ReservoirStorage-SWSI
- HUC:14010001-OCT-DataComposite-SWSI

HUC 14010002 (Blue) Surface Water Supply - OCT
Monthly component volumes
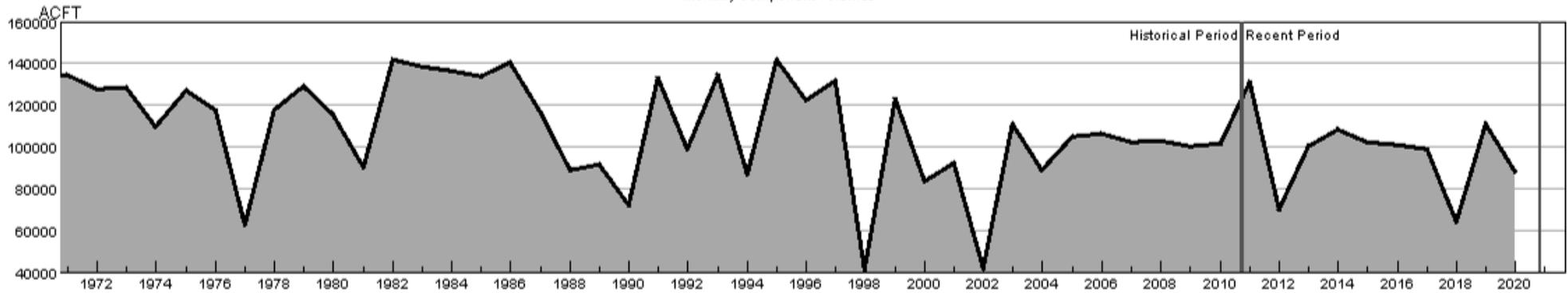
Legend:
- HUC:14010002-OCT-DataComposite
- HUC:14010002-OCT-PrevMoStreamflow
- HUC:14010002-OCT-ForecastedRunoff
- HUC:14010002-OCT-ReservoirStorage

HUC 14010002 (Blue) SWSI Values - OCT
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.
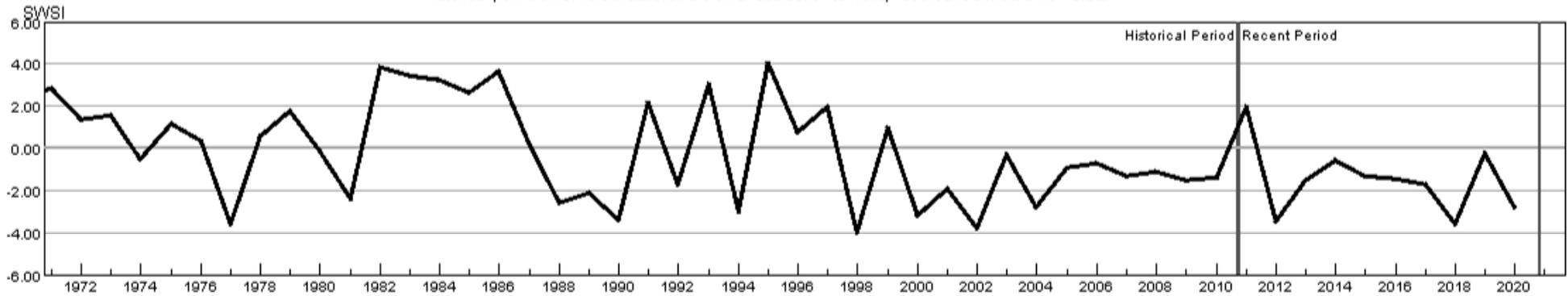
Legend:
- HUC:14010002-OCT-PrevMoStreamflow-SWSI
- HUC:14010002-OCT-ForecastedRunoff-SWSI
- HUC:14010002-OCT-ReservoirStorage-SWSI
- HUC:14010002-OCT-DataComposite-SWSI

HUC 14010003 (Eagle) Surface Water Supply - OCT
Monthly component volumes

ACFT

Historical Period | Recent Period

1972 1974 1976 1978 1980 1982 1984 1986 1988 1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 2020
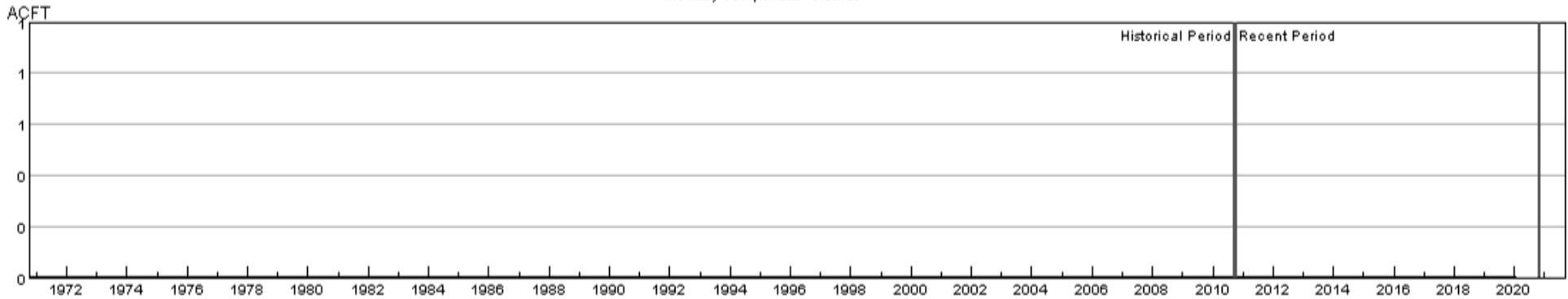
HUC:14010003-OCT-DataComposite
HUC:14010003-OCT-PrevMoStreamflow
HUC:14010003-OCT-ForecastedRunoff
HUC:14010003-OCT-ReservoirStorage

HUC 14010003 (Eagle) SWSI Values - OCT
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.

SWSI

| 1.00 |
| 0.80 |
| 0.60 |
| 0.40 |
| 0.20 |
| 0.00 |

Historical Period | Recent Period

1972 1974 1976 1978 1980 1982 1984 1986 1988 1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 2020
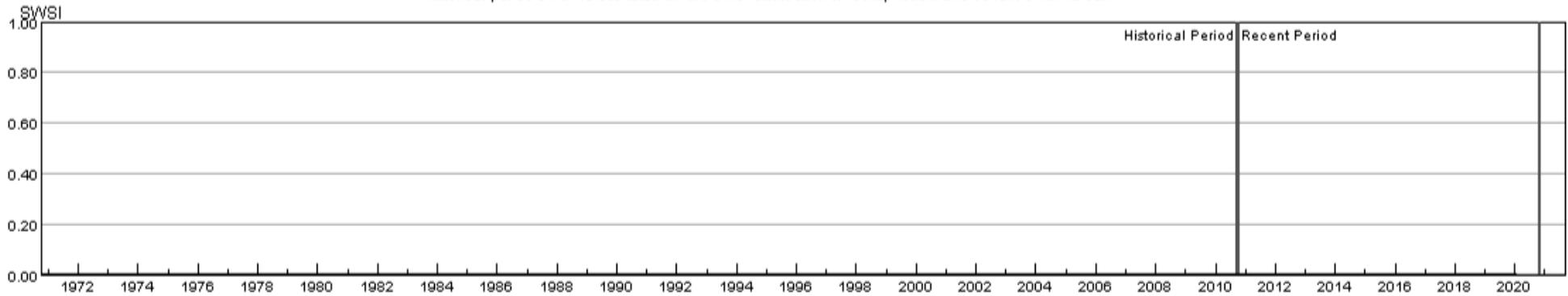
HUC:14010003-OCT-PrevMoStreamflow-SWSI
HUC:14010003-OCT-ForecastedRunoff-SWSI
HUC:14010003-OCT-ReservoirStorage-SWSI
HUC:14010003-OCT-DataComposite-SWSI

# HUC 14010004 (Roaring Fork) Surface Water Supply - OCT
Monthly component volumes

Legend:
- HUC:14010004-OCT-DataComposite
- HUC:14010004-OCT-PrevMoStreamflow
- HUC:14010004-OCT-ForecastedRunoff
- HUC:14010004-OCT-ReservoirStorage

# HUC 14010004 (Roaring Fork) SWSI Values - OCT
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.
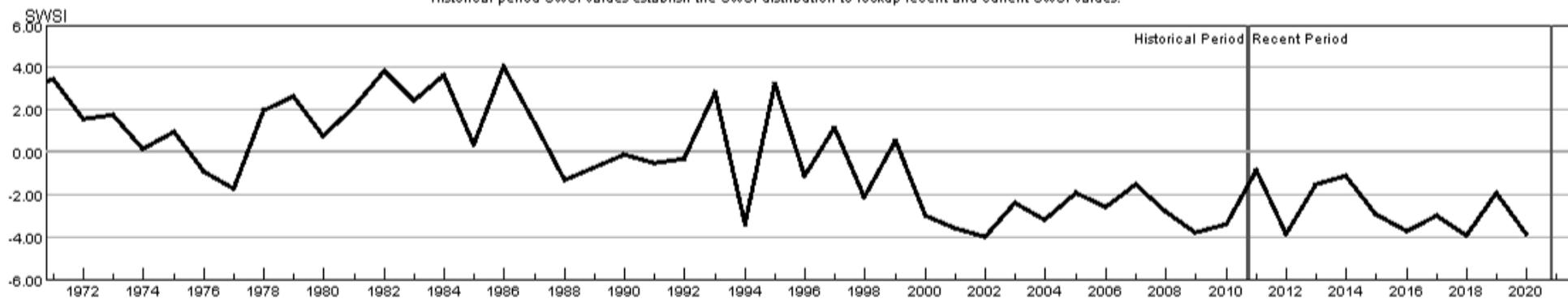
Legend:
- HUC:14010004-OCT-PrevMoStreamflow-SWSI
- HUC:14010004-OCT-ForecastedRunoff-SWSI
- HUC:14010004-OCT-ReservoirStorage-SWSI
- HUC:14010004-OCT-DataComposite-SWSI

HUC 14010005 (Colorado Headwaters-Plateau) Surface Water Supply - OCT

Monthly component volumes

Historical Period | Recent Period

Legend:
- HUC:14010005-OCT-DataComposite
- HUC:14010005-OCT-PrevMoStreamflow
- HUC:14010005-OCT-ForecastedRunoff
- HUC:14010005-OCT-ReservoirStorage

HUC 14010005 (Colorado Headwaters-Plateau) SWSI Values - OCT

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

Historical Period | Recent Period
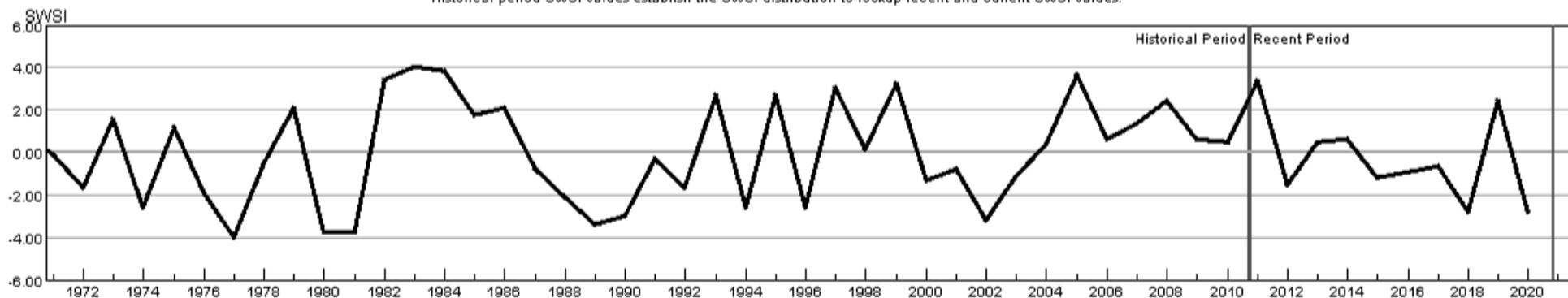
Legend:
- HUC:14010005-OCT-PrevMoStreamflow-SWSI
- HUC:14010005-OCT-ForecastedRunoff-SWSI
- HUC:14010005-OCT-ReservoirStorage-SWSI
- HUC:14010005-OCT-DataComposite-SWSI

HUC 14020001 (East-Taylor) Surface Water Supply - OCT
Monthly component volumes

Historical Period | Recent Period
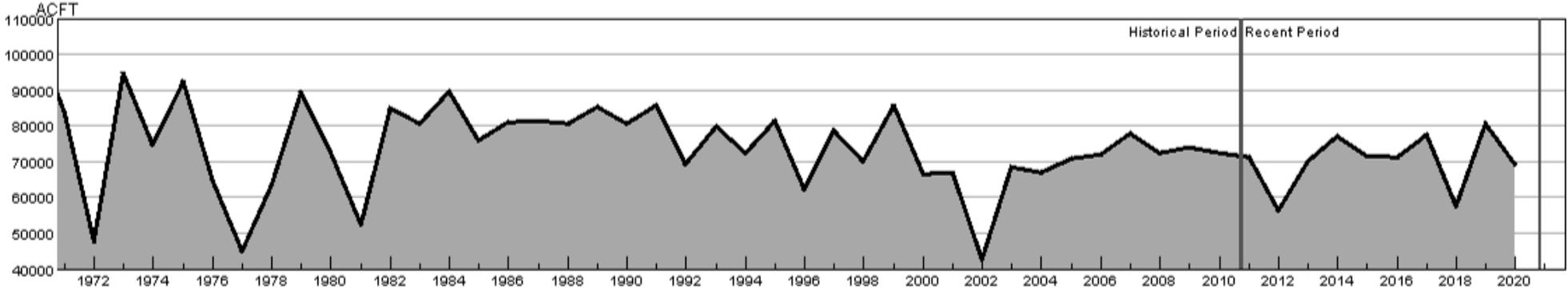
HUC:14020001-OCT-DataComposite
HUC:14020001-OCT-PrevMoStreamflow
HUC:14020001-OCT-ForecastedRunoff
HUC:14020001-OCT-ReservoirStorage

HUC 14020001 (East-Taylor) SWSI Values - OCT
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.

Historical Period | Recent Period
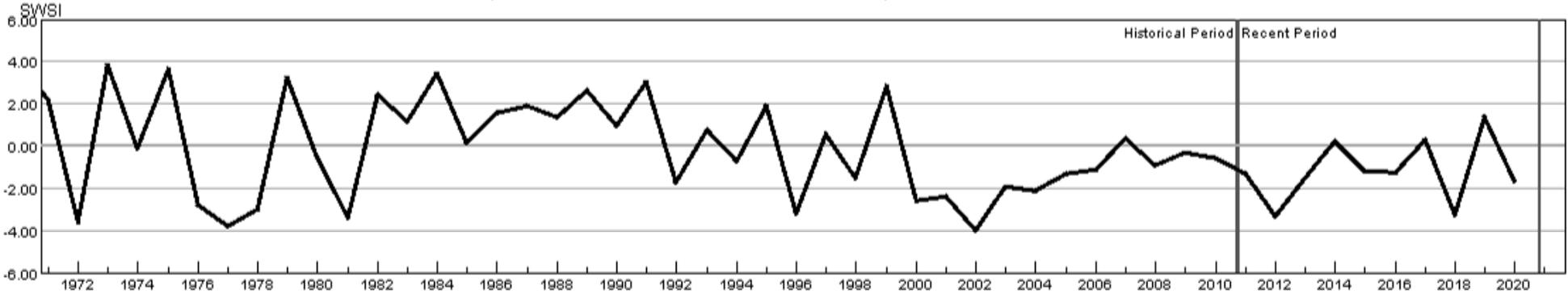
HUC:14020001-OCT-PrevMoStreamflow-SWSI
HUC:14020001-OCT-ForecastedRunoff-SWSI
HUC:14020001-OCT-ReservoirStorage-SWSI
HUC:14020001-OCT-DataComposite-SWSI

HUC 14020002 (Upper Gunnison) Surface Water Supply - OCT

Monthly component volumes
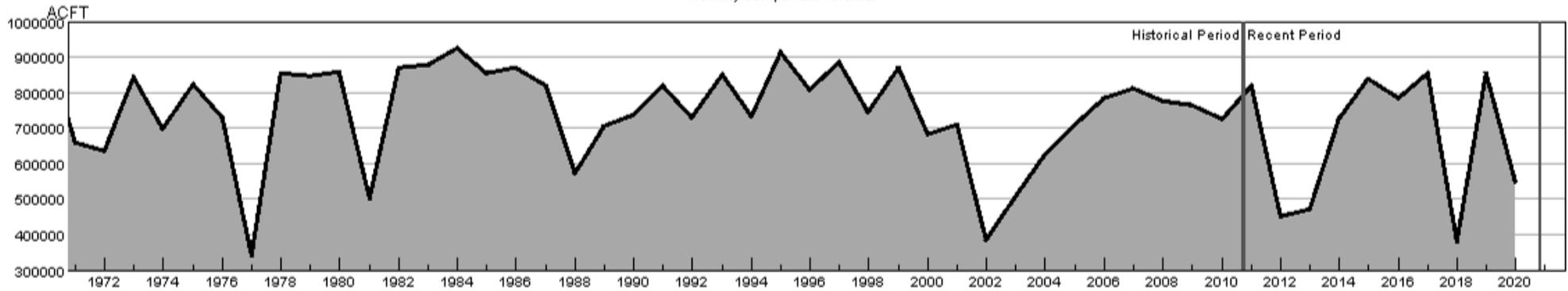
Legend:
- HUC:14020002-OCT-DataComposite
- HUC:14020002-OCT-PrevMoStreamflow
- HUC:14020002-OCT-ForecastedRunoff
- HUC:14020002-OCT-ReservoirStorage

# HUC 14020002 (Upper Gunnison) SWSI Values - OCT

Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.
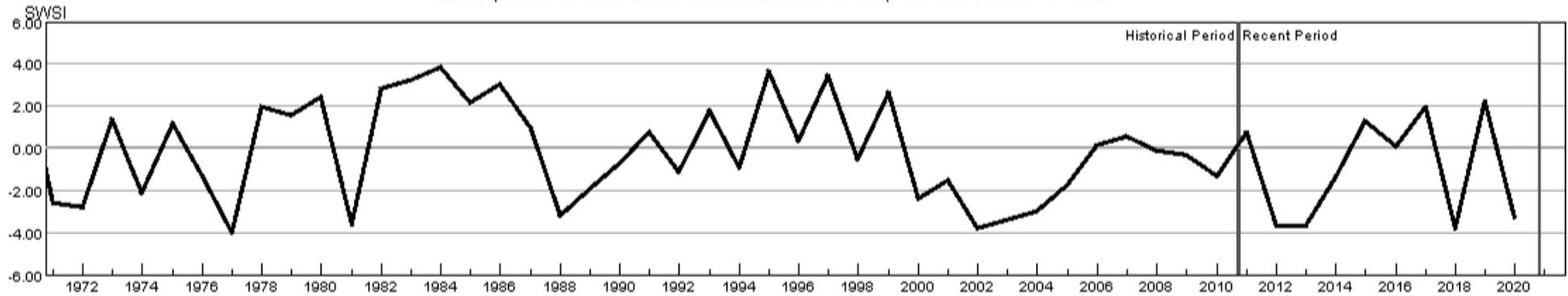
Legend:
- HUC:14020002-OCT-PrevMoStreamflow-SWSI
- HUC:14020002-OCT-ForecastedRunoff-SWSI
- HUC:14020002-OCT-ReservoirStorage-SWSI
- HUC:14020002-OCT-DataComposite-SWSI

## HUC 14020003 (Tomichi) Surface Water Supply - OCT
Monthly component volumes
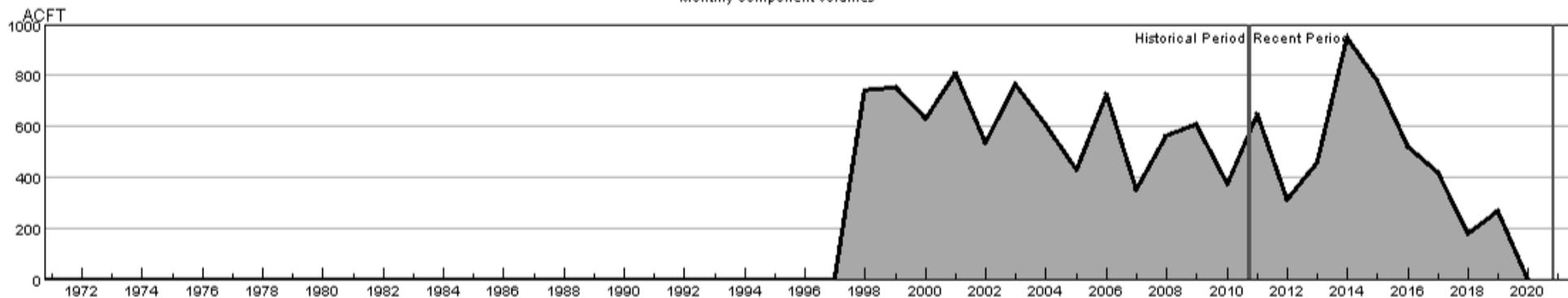
HUC:14020003-OCT-DataComposite
HUC:14020003-OCT-PrevMoStreamflow
HUC:14020003-OCT-ForecastedRunoff
HUC:14020003-OCT-ReservoirStorage

HUC 14020003 (Tomichi) SWSI Values - OCT
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.
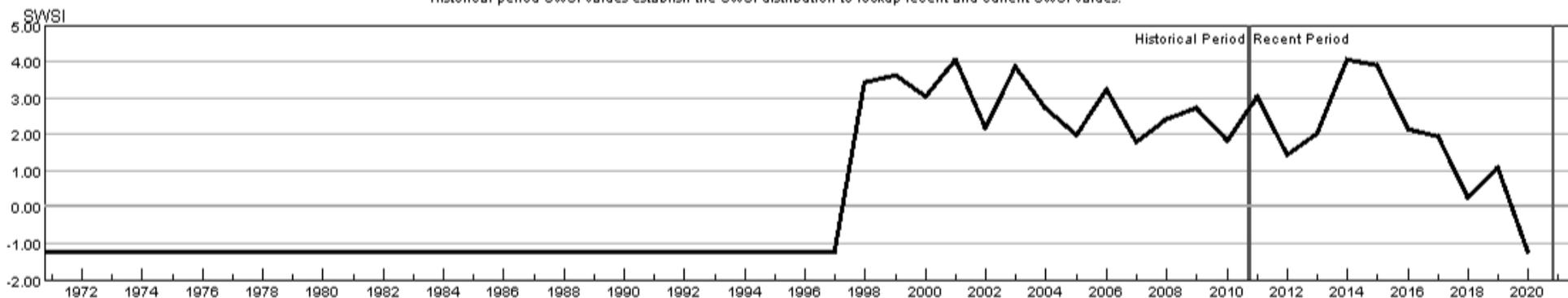
HUC:14020003-OCT-PrevMoStreamflow-SWSI
HUC:14020003-OCT-ForecastedRunoff-SWSI
HUC:14020003-OCT-ReservoirStorage-SWSI
HUC:14020003-OCT-DataComposite-SWSI

HUC 14020004 (North Fork Gunnison) Surface Water Supply - OCT

Monthly component volumes
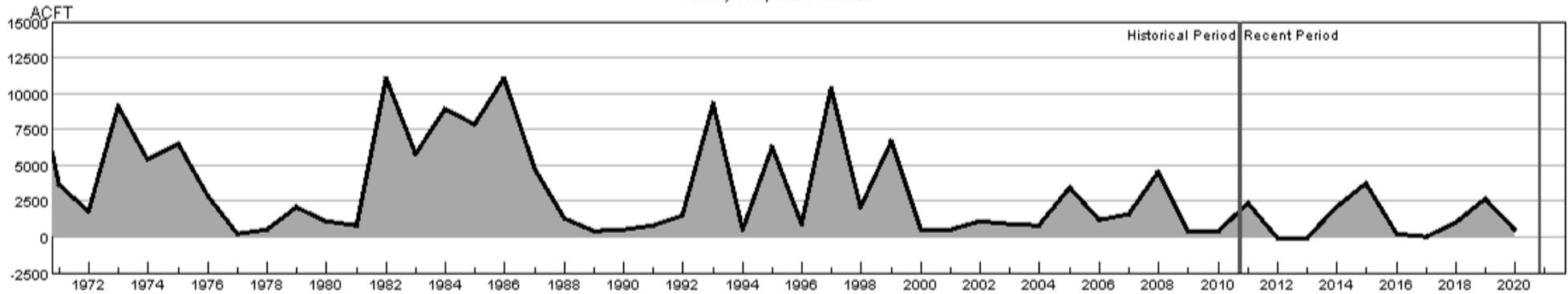
HUC:14020004-OCT-DataComposite
HUC:14020004-OCT-PrevMoStreamflow
HUC:14020004-OCT-ForecastedRunoff
HUC:14020004-OCT-ReservoirStorage

HUC 14020004 (North Fork Gunnison) SWSI Values - OCT

Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.
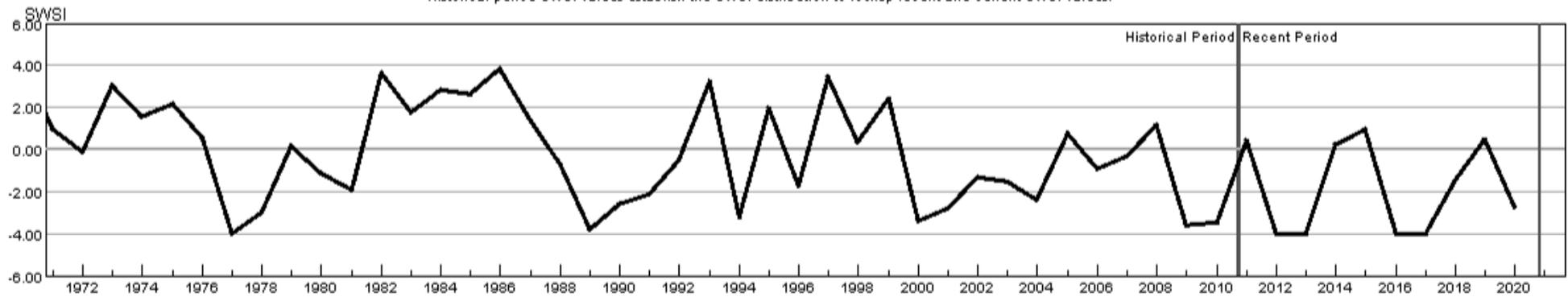
HUC:14020004-OCT-PrevMoStreamflow-SWSI
HUC:14020004-OCT-ForecastedRunoff-SWSI
HUC:14020004-OCT-ReservoirStorage-SWSI
HUC:14020004-OCT-DataComposite-SWSI

# HUC 14020005 (Lower Gunnison) Surface Water Supply - OCT
Monthly component volumes

ACFT

Historical Period | Recent Period

1972 1974 1976 1978 1980 1982 1984 1986 1988 1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 2020
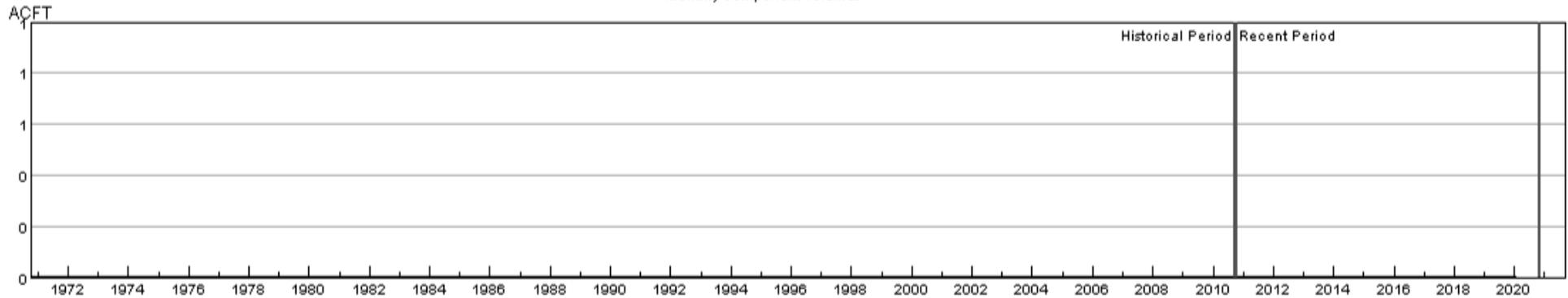
HUC:14020005-OCT-DataComposite
HUC:14020005-OCT-PrevMoStreamflow
HUC:14020005-OCT-ForecastedRunoff
HUC:14020005-OCT-ReservoirStorage

HUC 14020005 (Lower Gunnison) SWSI Values - OCT
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.

SWSI

1.00

Historical Period | Recent Period

0.80

0.60

0.40

0.20

0.00

1972 1974 1976 1978 1980 1982 1984 1986 1988 1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 2020
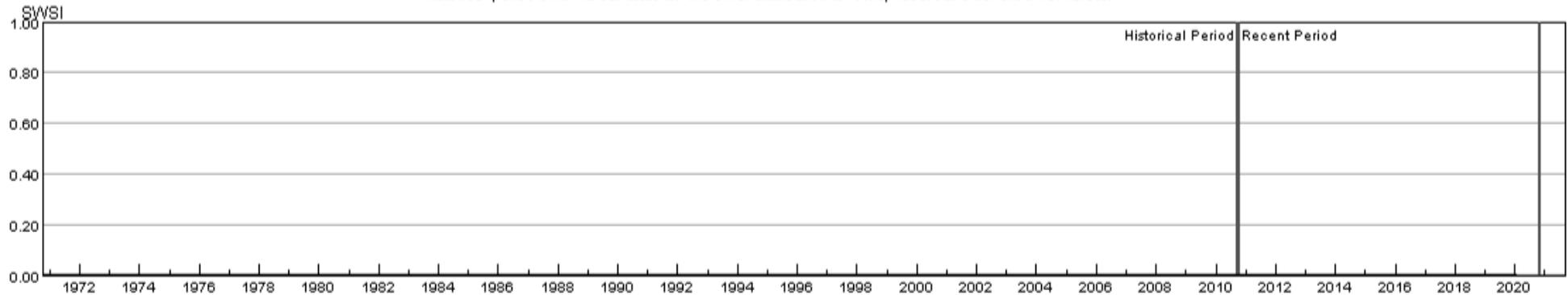
HUC:14020005-OCT-PrevMoStreamflow-SWSI
HUC:14020005-OCT-ForecastedRunoff-SWSI
HUC:14020005-OCT-ReservoirStorage-SWSI
HUC:14020005-OCT-DataComposite-SWSI

# HUC 14020006 (Uncompahgre) Surface Water Supply - OCT

Monthly component volumes
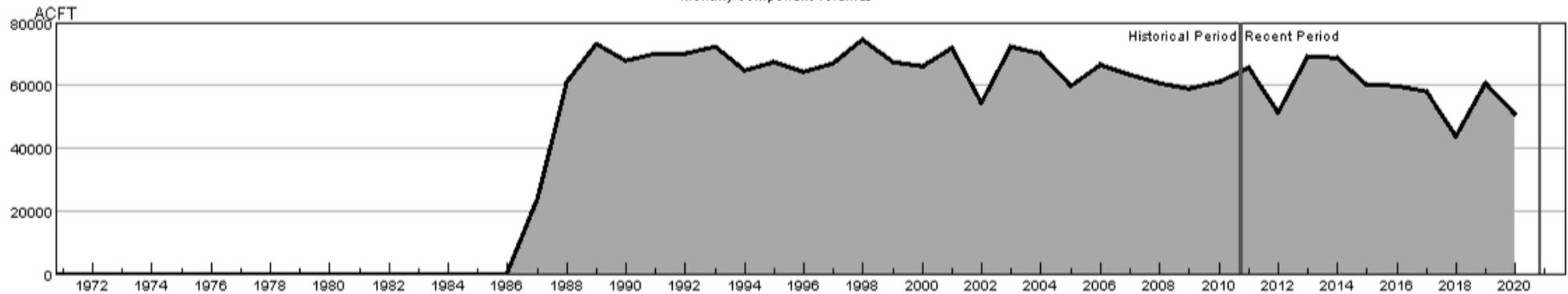
HUC:14020006-OCT-DataComposite
HUC:14020006-OCT-PrevMoStreamflow
HUC:14020006-OCT-ForecastedRunoff
HUC:14020006-OCT-ReservoirStorage

# HUC 14020006 (Uncompahgre) SWSI Values - OCT

Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.
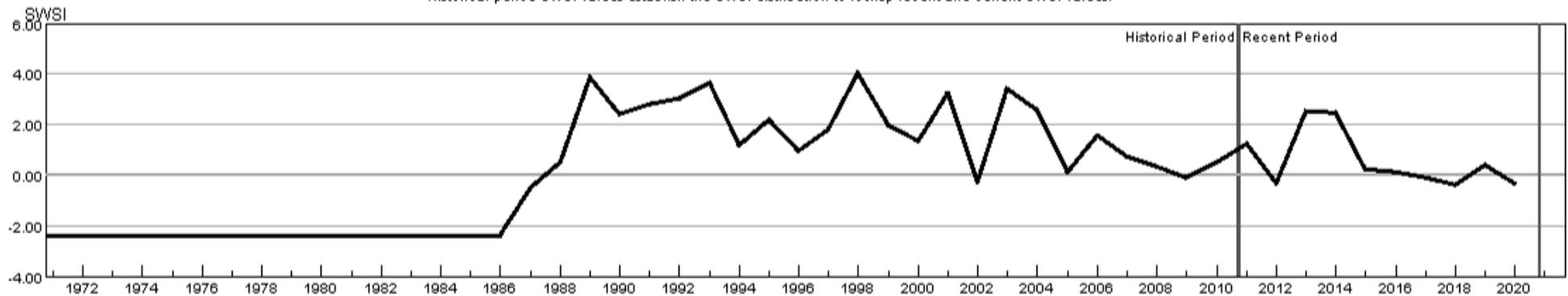
HUC:14020006-OCT-PrevMoStreamflow-SWSI
HUC:14020006-OCT-ForecastedRunoff-SWSI
HUC:14020006-OCT-ReservoirStorage-SWSI
HUC:14020006-OCT-DataComposite-SWSI

HUC 14030002 (Upper Dolores) Surface Water Supply - OCT
### Monthly component volumes

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

## HUC 14030002 (Upper Dolores) SWSI Values - OCT
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.
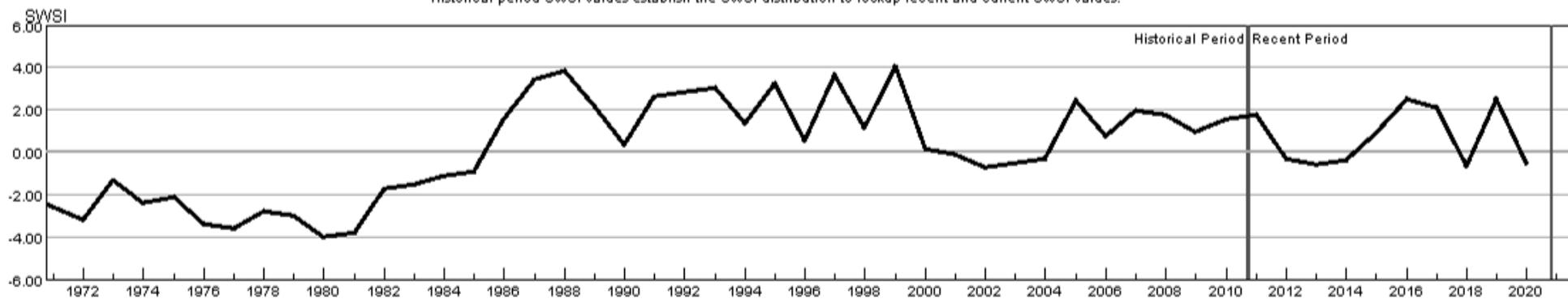
HUC:14030002-OCT-PrevMoStreamflow-SWSI
HUC:14030002-OCT-ForecastedRunoff-SWSI
HUC:14030002-OCT-ReservoirStorage-SWSI
HUC:14030002-OCT-DataComposite-SWSI

HUC 14030003 (San Miguel) Surface Water Supply - OCT

Monthly component volumes

ACFT

Historical Period | Recent Period
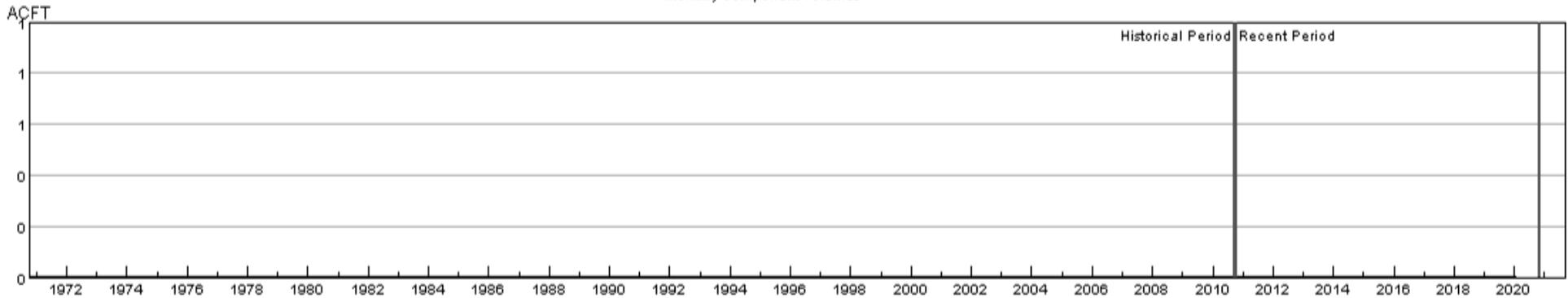
HUC:14030003-OCT-DataComposite
HUC:14030003-OCT-PrevMoStreamflow
HUC:14030003-OCT-ForecastedRunoff
HUC:14030003-OCT-ReservoirStorage

HUC 14030003 (San Miguel) SWSI Values - OCT

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

SWSI

Historical Period | Recent Period
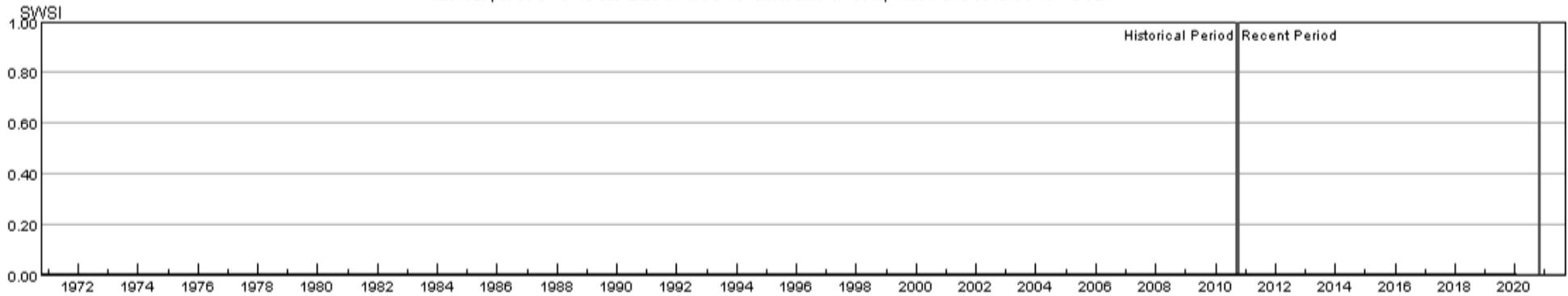
HUC:14030003-OCT-PrevMoStreamflow-SWSI
HUC:14030003-OCT-ForecastedRunoff-SWSI
HUC:14030003-OCT-ReservoirStorage-SWSI
HUC:14030003-OCT-DataComposite-SWSI

## HUC 14050001 (Upper Yampa) Surface Water Supply - OCT
Monthly component volumes
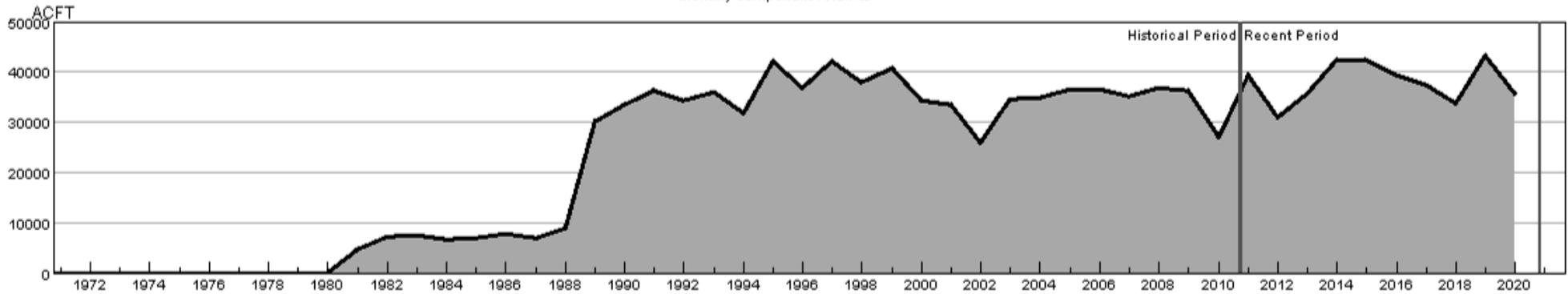
HUC:14050001-OCT-DataComposite
HUC:14050001-OCT-PrevMoStreamflow
HUC:14050001-OCT-ForecastedRunoff
HUC:14050001-OCT-ReservoirStorage

## HUC 14050001 (Upper Yampa) SWSI Values - OCT
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.
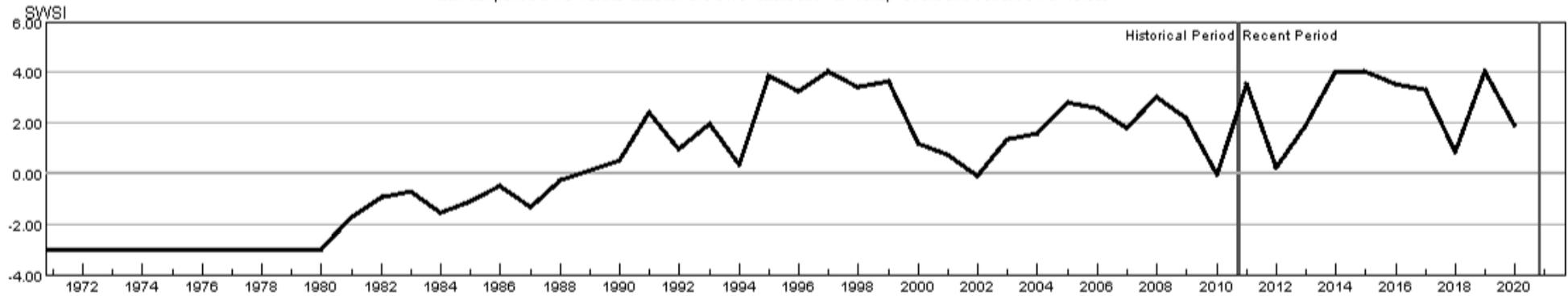
HUC:14050001-OCT-PrevMoStreamflow-SWSI
HUC:14050001-OCT-ForecastedRunoff-SWSI
HUC:14050001-OCT-ReservoirStorage-SWSI
HUC:14050001-OCT-DataComposite-SWSI

# HUC 14050002 (Lower Yampa) Surface Water Supply - OCT
Monthly component volumes

ACFT

Historical Period | Recent Period

1

1

1

0

0

0

1972 1974 1976 1978 1980 1982 1984 1986 1988 1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 2020
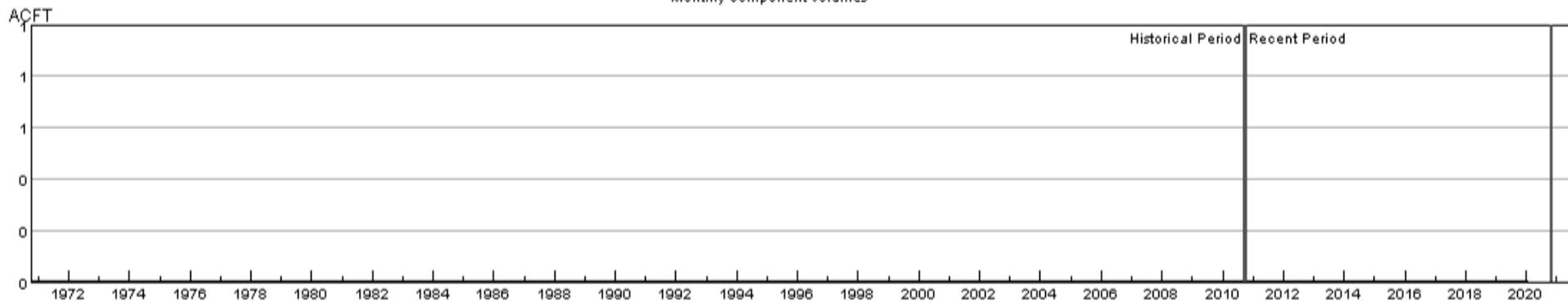
HUC:14050002-OCT-DataComposite
HUC:14050002-OCT-PrevMoStreamflow
HUC:14050002-OCT-ForecastedRunoff
HUC:14050002-OCT-ReservoirStorage

HUC 14050002 (Lower Yampa) SWSI Values - OCT
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.

SWSI

Historical Period | Recent Period

1.00

0.80

0.60

0.40

0.20

0.00

1972 1974 1976 1978 1980 1982 1984 1986 1988 1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 2020
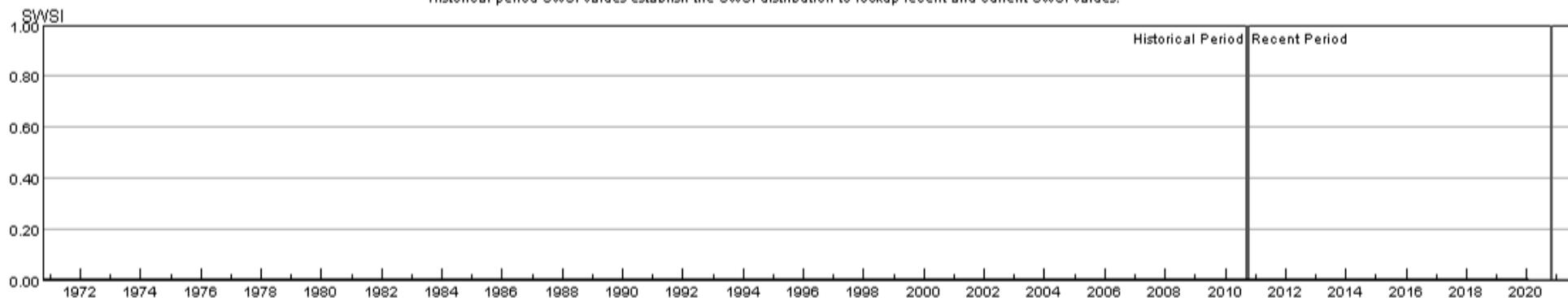
HUC:14050002-OCT-PrevMoStreamflow-SWSI
HUC:14050002-OCT-ForecastedRunoff-SWSI
HUC:14050002-OCT-ReservoirStorage-SWSI
HUC:14050002-OCT-DataComposite-SWSI

# HUC 14050003 (Little Snake) Surface Water Supply - OCT
Monthly component volumes

ACFT

Historical Period | Recent Period

1972 1974 1976 1978 1980 1982 1984 1986 1988 1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 2020
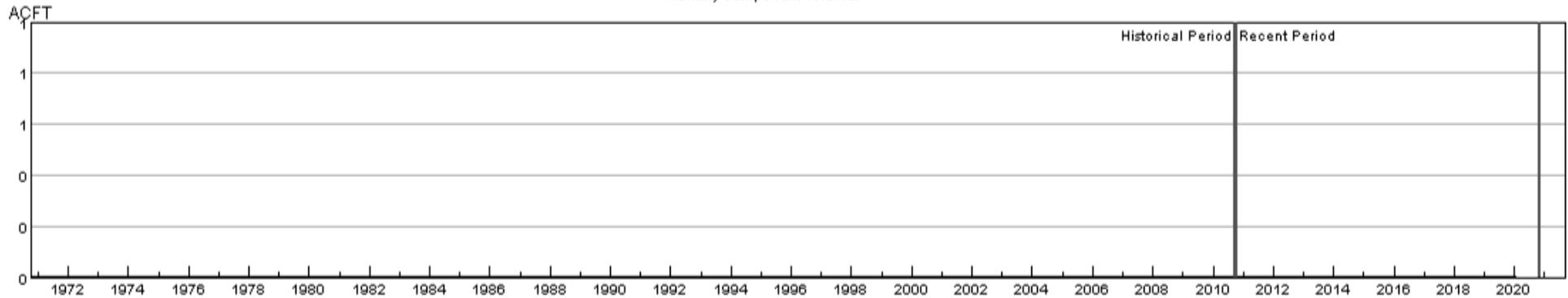
HUC:14050003-OCT-DataComposite
HUC:14050003-OCT-PrevMoStreamflow
HUC:14050003-OCT-ForecastedRunoff
HUC:14050003-OCT-ReservoirStorage

HUC 14050003 (Little Snake) SWSI Values - OCT
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.

SWSI

Historical Period | Recent Period

1.00	
0.80	
0.60	
0.40	
0.20	
0.00	

1972 1974 1976 1978 1980 1982 1984 1986 1988 1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 2020
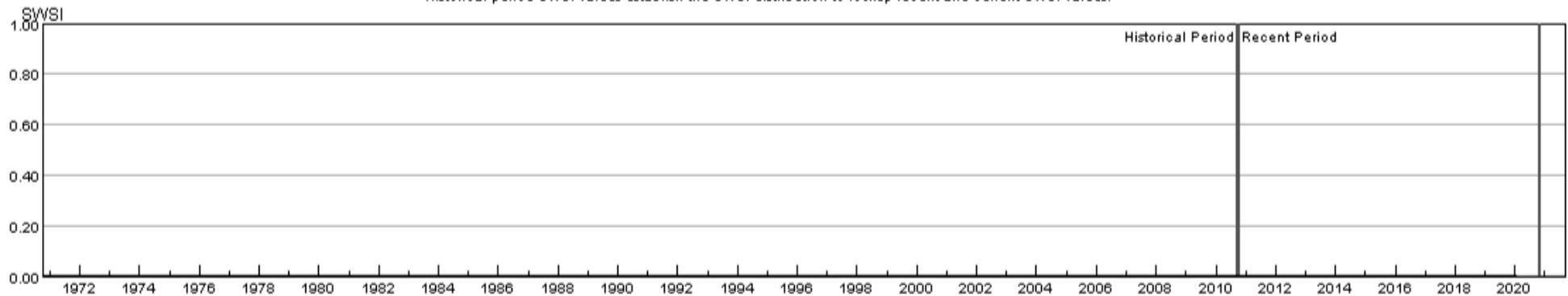
HUC:14050003-OCT-PrevMoStreamflow-SWSI
HUC:14050003-OCT-ForecastedRunoff-SWSI
HUC:14050003-OCT-ReservoirStorage-SWSI
HUC:14050003-OCT-DataComposite-SWSI

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

Monthly component volumes

ACFT

Historical Period | Recent Period

| | 1972 | 1974 | 1976 | 1978 | 1980 | 1982 | 1984 | 1986 | 1988 | 1990 | 1992 | 1994 | 1996 | 1998 | 2000 | 2002 | 2004 | 2006 | 2008 | 2010 | 2012 | 2014 | 2016 | 2018 | 2020 |
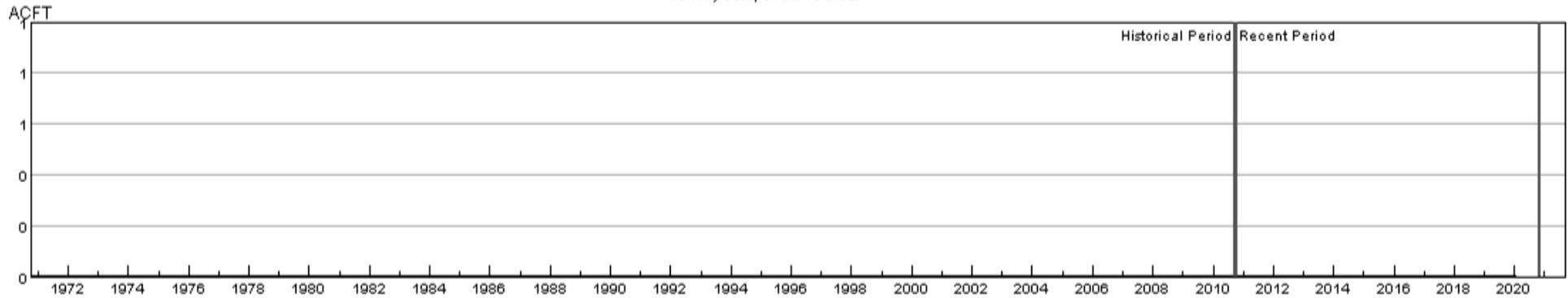
HUC:14050005-OCT-DataComposite
HUC:14050005-OCT-PrevMoStreamflow
HUC:14050005-OCT-ForecastedRunoff
HUC:14050005-OCT-ReservoirStorage

# HUC 14050005 (Upper White) SWSI Values - OCT

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

SWSI

Historical Period | Recent Period

1.00	
0.80	
0.60	
0.40	
0.20	
0.00	

| | 1972 | 1974 | 1976 | 1978 | 1980 | 1982 | 1984 | 1986 | 1988 | 1990 | 1992 | 1994 | 1996 | 1998 | 2000 | 2002 | 2004 | 2006 | 2008 | 2010 | 2012 | 2014 | 2016 | 2018 | 2020 |
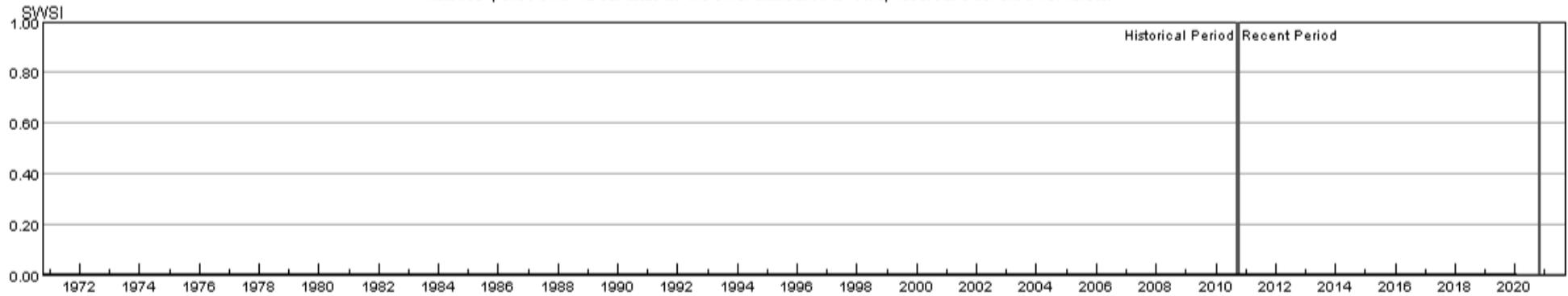
HUC:14050005-OCT-PrevMoStreamflow-SWSI
HUC:14050005-OCT-ForecastedRunoff-SWSI
HUC:14050005-OCT-ReservoirStorage-SWSI
HUC:14050005-OCT-DataComposite-SWSI

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

Monthly component volumes
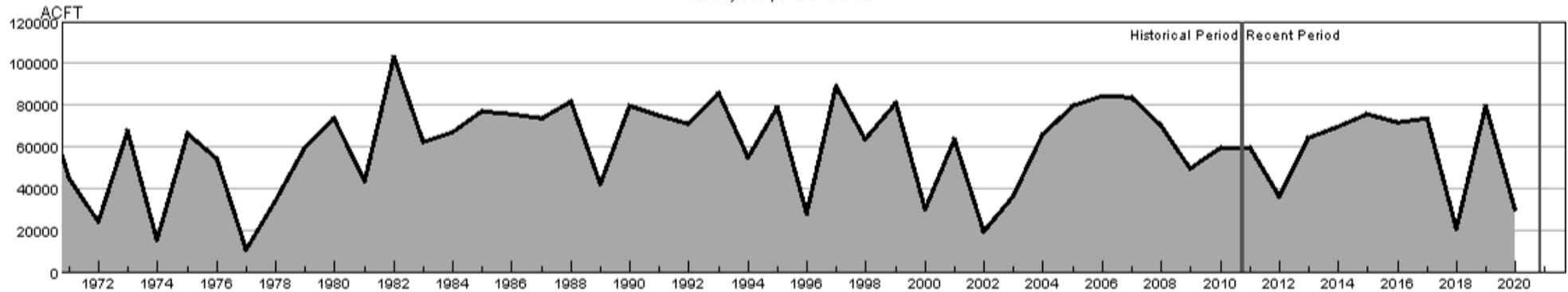
Legend:
- HUC:14080101-OCT-DataComposite
- HUC:14080101-OCT-PrevMoStreamflow
- HUC:14080101-OCT-ForecastedRunoff
- HUC:14080101-OCT-ReservoirStorage

HUC 14080101 (Upper San Juan) SWSI Values - OCT

Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.
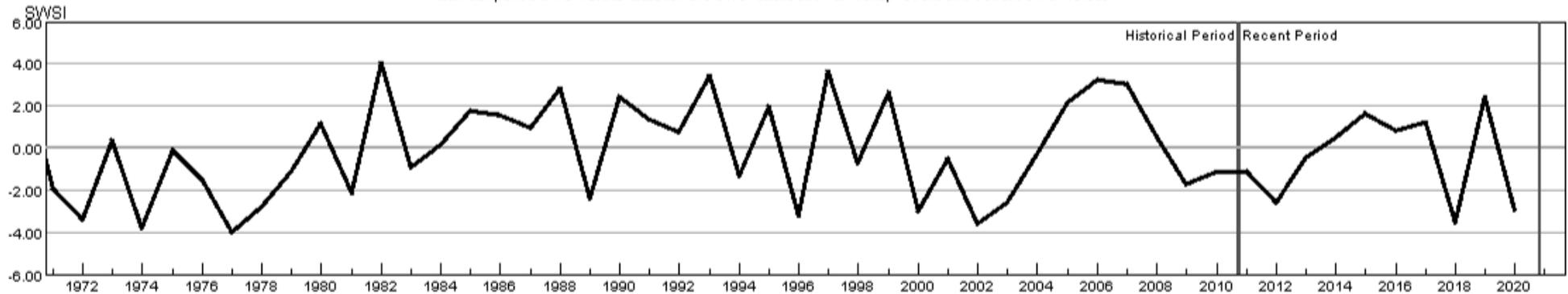
Legend:
- HUC:14080101-OCT-PrevMoStreamflow-SWSI
- HUC:14080101-OCT-ForecastedRunoff-SWSI
- HUC:14080101-OCT-ReservoirStorage-SWSI
- HUC:14080101-OCT-DataComposite-SWSI

HUC 14080102 (Piedra) Surface Water Supply - OCT
Monthly component volumes

ACFT

Historical Period | Recent Period

1972 1974 1976 1978 1980 1982 1984 1986 1988 1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 2020
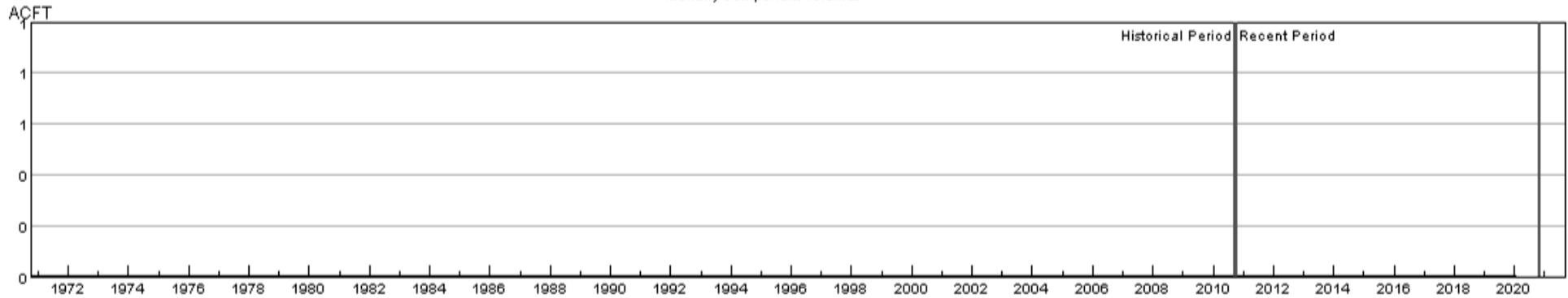
HUC:14080102-OCT-DataComposite
HUC:14080102-OCT-PrevMoStreamflow
HUC:14080102-OCT-ForecastedRunoff
HUC:14080102-OCT-ReservoirStorage

# HUC 14080102 (Piedra) SWSI Values - OCT
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.

SWSI

| 1.00 |
| 0.80 |
| 0.60 |
| 0.40 |
| 0.20 |
| 0.00 |

Historical Period | Recent Period

1972 1974 1976 1978 1980 1982 1984 1986 1988 1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 2020
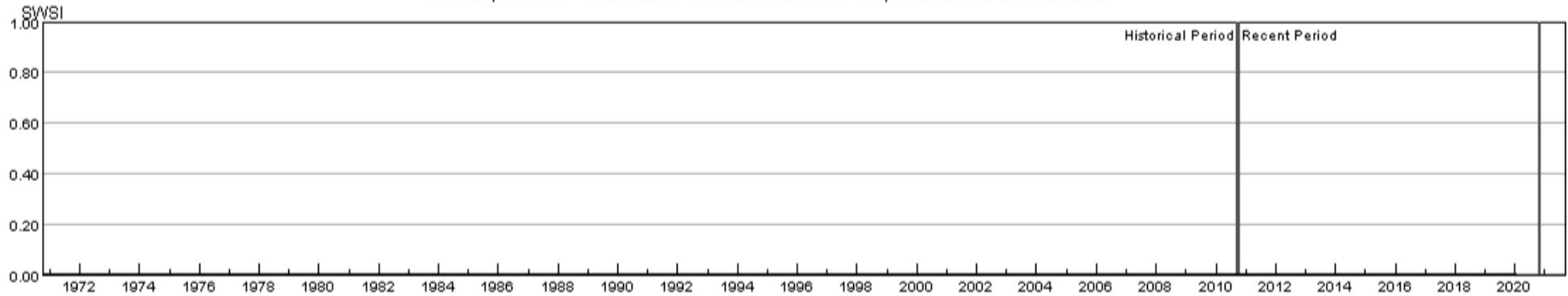
HUC:14080102-OCT-PrevMoStreamflow-SWSI
HUC:14080102-OCT-ForecastedRunoff-SWSI
HUC:14080102-OCT-ReservoirStorage-SWSI
HUC:14080102-OCT-DataComposite-SWSI

HUC 14080104 (Animas) Surface Water Supply - OCT
Monthly component volumes
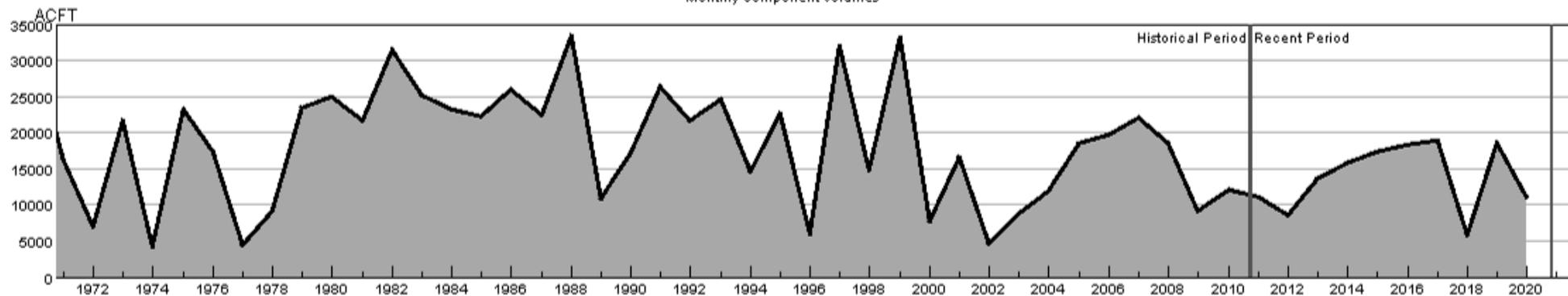
Legend:
- HUC:14080104-OCT-DataComposite
- HUC:14080104-OCT-PrevMoStreamflow
- HUC:14080104-OCT-ForecastedRunoff
- HUC:14080104-OCT-ReservoirStorage

HUC 14080104 (Animas) SWSI Values - OCT
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.
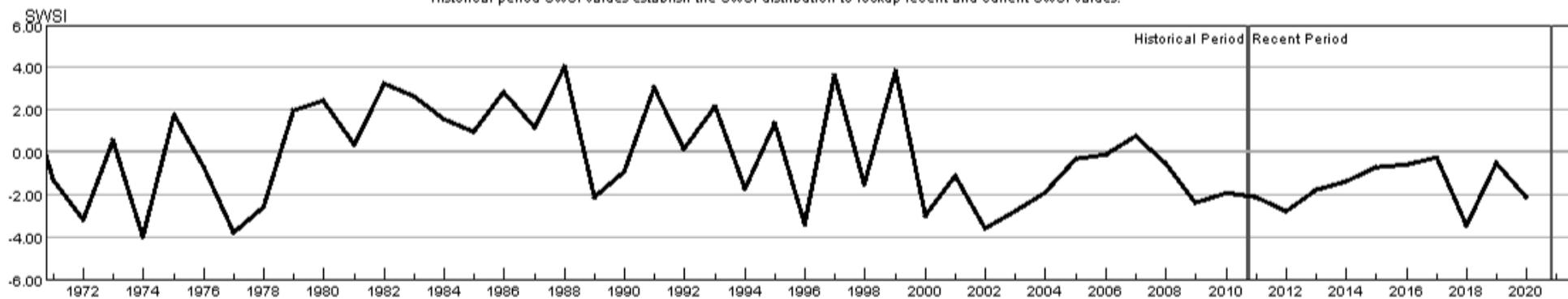
Legend:
- HUC:14080104-OCT-PrevMoStreamflow-SWSI
- HUC:14080104-OCT-ForecastedRunoff-SWSI
- HUC:14080104-OCT-ReservoirStorage-SWSI
- HUC:14080104-OCT-DataComposite-SWSI

HUC 14080105 (Middle San Juan) Surface Water Supply - OCT
Monthly component volumes
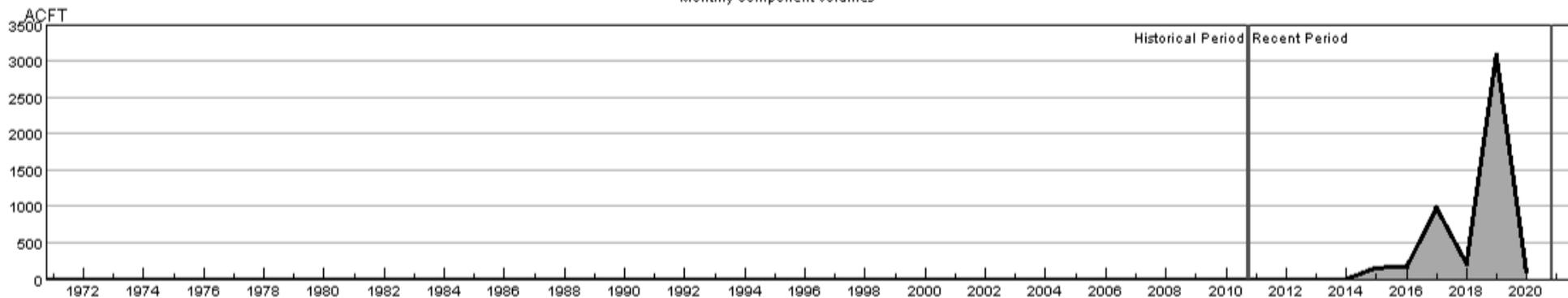
HUC:14080105-OCT-DataComposite
HUC:14080105-OCT-PrevMoStreamflow
HUC:14080105-OCT-ForecastedRunoff
HUC:14080105-OCT-ReservoirStorage

# HUC 14080105 (Middle San Juan) SWSI Values - OCT
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.

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