

COLORADO

WATER SUPPLY CONDITIONS UPDATE

FROM THE OFFICE OF THE STATE ENGINEER: COLORADO DIVISION OF WATER RESOURCES
ROOM 818, 1313 SHERMAN ST., DENVER, CO 80203
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September 1, 2021

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 1980 and 2020.

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

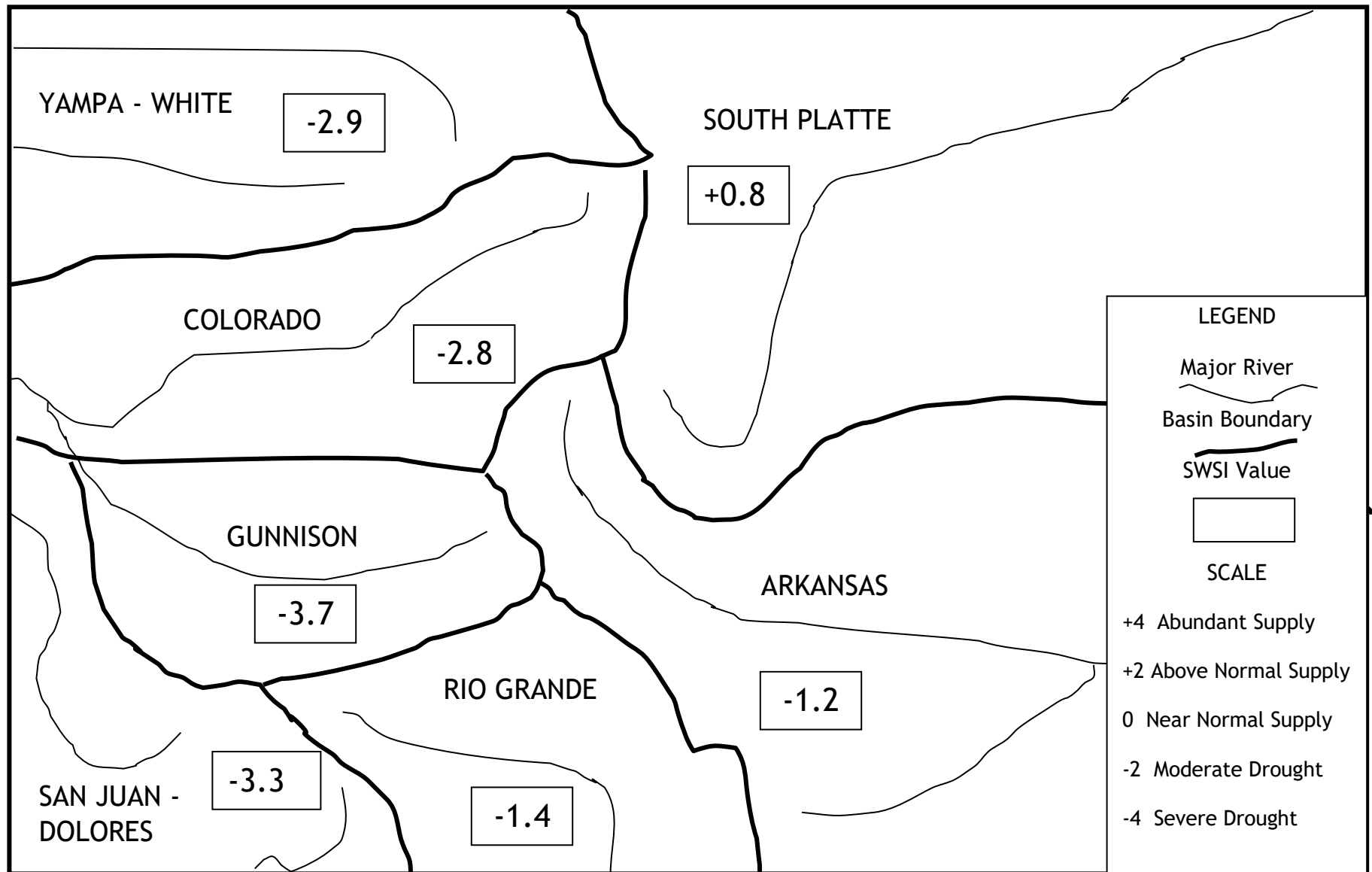
In 2015, CWCB and the Division of Water Resources (DWR) (both Divisions of the Colorado Department of Natural Resources) completed a software project to implement an automated calculation of the SWSI and to document the underlying hydrologic data. July 1, 2015 was the first month that the automated DNR 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 summer season (July 1 - September 1) is based on reservoir storage at the end of last month, in this case August 31, plus the previous month's streamflow. The following SWSI values were computed for each of the seven major basins for September 1, 2021. Water supply conditions as represented by water in storage and previous month's streamflow, range from normal in the South Platte Basin to well below normal in the Colorado, San Juan-Dolores, Yampa-White and Gunnison River Basins.

Basin	September 1 SWSI	Change from Previous Month	Change from Previous Year
Arkansas	-1.2	0.2	0.6
Colorado	-2.8	0.8	-0.4
Gunnison	-3.7	0.1	-0.9
Rio Grande	-1.4	-1.2	1.4
San Juan-Dolores	-3.3	-0.1	-0.5
South Platte	0.8	0.2	1.5
Yampa-White	-2.9	0.7	-0.1

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

SURFACE WATER SUPPLY INDEX FOR COLORADO BY MAJOR RIVER BASIN



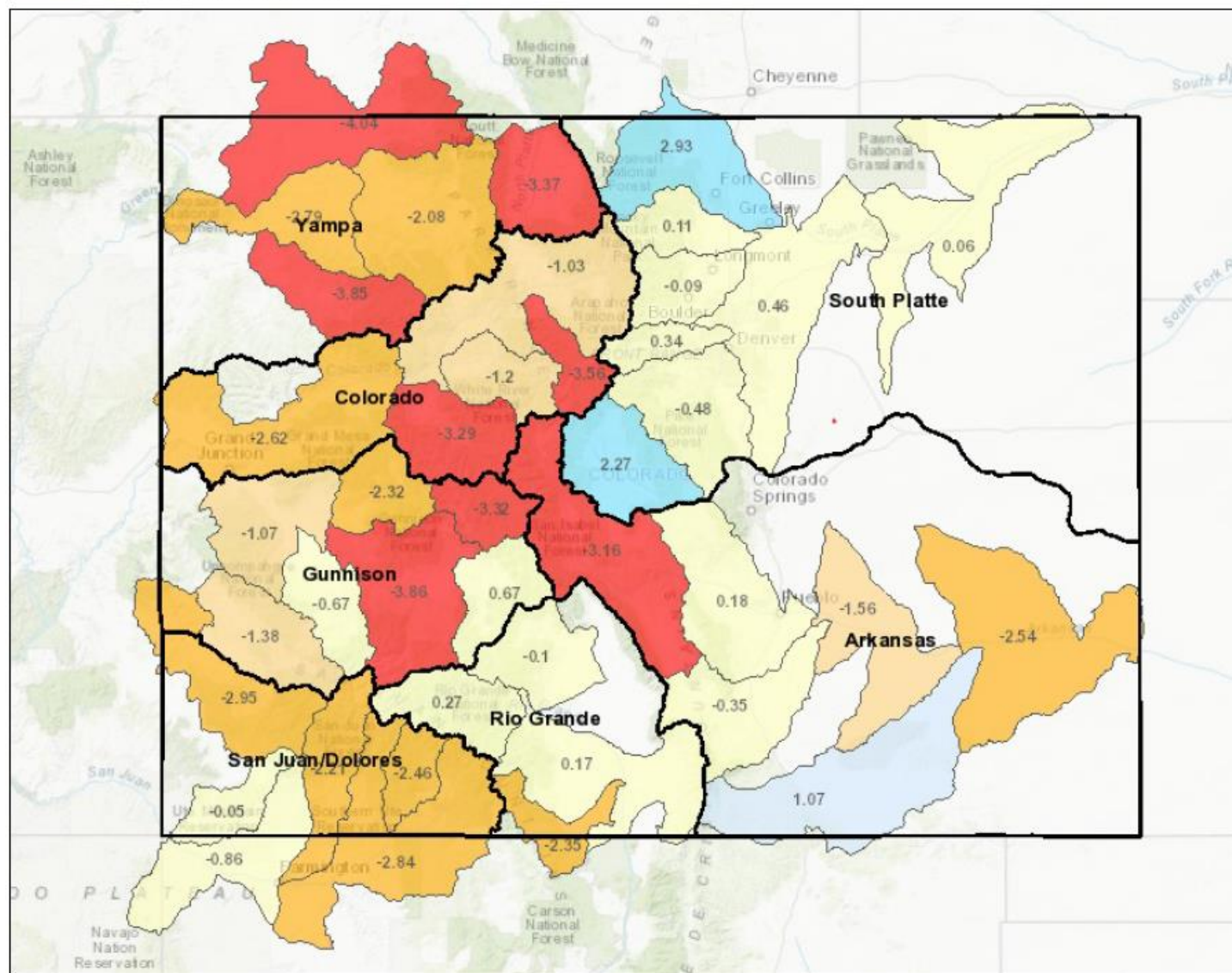
September 1, 2021

SURFACE WATER SUPPLY INDEX FOR COLORADO BY HUC



COLORADO
Division of Water Resources
Department of Natural Resources

SWSI September 1, 2021 Map



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: 3/21/2022 9:56:57 AM

September 1, 2021 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	11020006	Huerfano	-0.36	21	63	3,095
	11020010	Purgatoire	1.07	74	39	31,305
	11020005	Upper Arkansas-Lake Meredith	-1.56	41	23	59,573
	11020009	Upper Arkansas-John Martin Reservoir	-2.54	26	21	77,274
	11020001	Arkansas Headwaters	-3.16	11	44	190,549
	11020002	Upper Arkansas	0.19	59	23	223,689
Colorado	14010003	Eagle	-1.21	N/A	36	16,304
	14010002	Blue	-3.57	5	35	103,488
	14010004	Roaring Fork	-3.30	4	29	110,964
	14010005	Colorado Headwaters-Plateau	-2.63	4	24	118,939
	14010001	Colorado Headwaters	-1.04	55	23	203,047
Gunnison	14020004	North Fork Gunnison	-2.33	18	25	6,984
	14030003	San Miguel	-1.39	N/A	33	9,483
	14020003	Tomichi	0.68	32	63	10,555
	14020006	Uncompahgre	-0.67	50	31	73,130
	14020001	East-Taylor	-3.32	10	17	78,128
	14020005	Lower Gunnison	-1.08	N/A	37	83,315
	14020002	Upper Gunnison	-3.87	2	28	459,899
Rio Grande	13010004	Saguache	-0.10	N/A	49	3,608
	13010002	Alamosa-Trinchera	0.17	59	44	14,614
	13010005	Conejos	-2.36	24	31	21,529
	13010001	Rio Grande Headwaters	0.28	72	27	57,006
San Juan-Dolores	14080105	Middle San Juan	-0.86	43	40	807
	14080107	Mancos	-0.06	24	68	4,174
	14080102	Piedra	-2.47	N/A	20	4,882
	14080104	Animas	-2.21	20	25	36,887
	14080101	Upper San Juan	-2.85	13	26	63,546
	14030002	Upper Dolores	-2.95	16	30	176,927
South Platte	10190004	Clear	0.34	N/A	54	12,138
	10190005	St. Vrain	-0.10	57	35	77,462
	10190003	Middle South Platte-Cherry Creek	0.46	43	56	147,128
	10190012	Middle South Platte-Sterling	0.07	45	56	157,228
	10190001	South Platte Headwater	2.27	81	62	172,534
	10190007	Cache La Poudre	2.94	85	76	183,444
	10190002	Upper South Platte	-0.49	41	59	339,562
	10190006	Big Thompson	0.11	51	66	511,985
Yampa-White	14050003	Little Snake	-4.04	N/A	1	53
	10180001	North Platte Headwaters	-3.37	N/A	10	5,613
	14050002	Lower Yampa	-2.79	N/A	16	6,188
	14050005	Upper White	-3.85	N/A	4	7,965
	14050001	Upper Yampa	-2.08	35	13	41,757

NEP is non exceedance probability 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 1980-2020. The following table lists each component considered in each HUC.

SWSI Color Scale:

-4.0 (Severe Drought)

0.0 (Normal)

4.0 (Abundant Supply)

September 1, 2021 SWSI Component Information - Previous Month's Streamflow & Reservoir Storage - By HUC

HUC ID	HUC Name	Component Name	Component Volume (AF)	Component NEP by Month
11020001	Arkansas Headwaters	CLEAR CREEK RESERVOIR	5,920	31
		ARKANSAS RIVER AT SALIDA	27,471	44
		HOMESTAKE RESERVOIR	31,242	28
		TWIN LAKES RESERVOIR	44,136	27
		TURQUOISE LAKE	81,780	6
11020006	Huerfano	CUCHARAS RESERVOIR*	0	21
		CUCHARAS RIVER AT BOYD RANCH NR LA VETA	1,139	70
		HUERFANO RIVER NEAR REDWING	1,956	55
11020010	Purgatoire	PURGATOIRE RIVER AT TRINIDAD	5,105	39
		TRINIDAD LAKE	26,200	74
11020002	Upper Arkansas	PUEBLO RESERVOIR INFLOW	37,356	23
		PUEBLO RESERVOIR	186,333	59
11020009	Upper Arkansas-John Martin Reservoir	CUCHARAS RIVER AT BOYD RANCH NR LA VETA	1,139	70
		HUERFANO RIVER NEAR REDWING	1,956	55
		PURGATOIRE RIVER AT TRINIDAD	5,105	39
		ADOBE CREEK RESERVOIR	11,858	31
		JOHN MARTIN RESERVOIR	19,860	22
		PUEBLO RESERVOIR INFLOW	37,356	23
11020005	Upper Arkansas-Lake Meredith	CUCHARAS RIVER AT BOYD RANCH NR LA VETA	1,139	70
		HUERFANO RIVER NEAR REDWING	1,956	55
		LAKE HENRY	6,265	62
		MEREDITH RESERVOIR	12,857	39
		PUEBLO RESERVOIR INFLOW	37,356	23
14010002	Blue	BLUE RIVER INFLOW TO GREEN MOUNTAIN RES	23,393	35
		GREEN MOUNTAIN RESERVOIR	80,095	5
14010001	Colorado Headwaters	WOLFORD MOUNTAIN RESERVOIR	56,220	65
		COLORADO RIVER NEAR DOTSERO	72,927	23
		WILLIAMS FORK RESERVOIR	73,900	12
14010005	Colorado Headwaters-Plateau	VEGA RESERVOIR	3,746	4
		COLORADO RIVER NEAR CAMEO	115,193	24
14010003	Eagle	EAGLE RIVER BELOW GYPSUM	16,304	36
14010004	Roaring Fork	ROARING FORK AT GLENWOOD SPRINGS	35,283	29
		RUEDI RESERVOIR	75,681	4
14020001	East-Taylor	TAYLOR R INF TO TAYLOR PARK RESERVOIR	6,897	27
		EAST RIVER AT ALMONT	6,969	11
		TAYLOR PARK RESERVOIR	64,262	10
14020005	Lower Gunnison	GUNNISON RIVER NR GRAND JUNCTION	83,315	37
14020004	North Fork Gunnison	PAONIA RESERVOIR	973	18
		NORTH FORK GUNNISON R NR SOMERSET	6,011	25
14030003	San Miguel	SAN MIGUEL RIVER NEAR PLACERVILLE	9,483	33
14020003	Tomichi	VOUGA RESERVOIR NEAR DOYLEVILLE	84	32
		TOMICHI CREEK AT GUNNISON, CO	10,471	63

HUC ID	HUC Name	Component Name	Component Volume (AF)	Component NEP by Month
14020006	Uncompahgre	UNCOMPAHGRE RIVER AT COLONA	7,767	31
		RIDGEWAY RESERVOIR	65,363	50
14020002	Upper Gunnison	FRUITLAND RESERVOIR	444	60
		CRAWFORD RESERVOIR	1,676	5
		SILVER JACK RESERVOIR	5,304	31
		LAKE FORK AT GATEVIEW, CO	10,968	53
		GUNNISON RIVER NEAR GUNNISON, CO	21,313	22
		MORROW POINT RESERVOIR	109,792	4
		BLUE MESA RESERVOIR	310,402	1
13010002	Alamosa-Trinchera	SANGRE DE CRISTO	298	35
		UTE CREEK	906	33
		TRINCHERA CK	938	55
		ALAMOSA CREEK ABOVE TERRACE RESERVOIR	2,339	24
		CULEBRA CREEK AT SAN LUIS	2,754	77
		TERRACE RESERVOIR	3,278	43
		MOUNTAIN HOME	4,101	66
13010005	Conejos	CONEJOS RIVER NEAR MOGOTE	6,451	31
		PLATORO RESERVOIR	15,078	24
13010001	Rio Grande Headwaters	CONTINENTAL RESERVOIR	8,004	79
		SANTA MARIA RESERVOIR	11,915	70
		RIO GRANDE RESERVOIR	14,240	72
		RIO GRANDE NEAR DEL NORTE	22,847	27
13010004	Saguache	SAGUACHE CREEK NEAR SAGUACHE, CO	3,608	49
14080104	Animas	FLORIDA RIVER INFLOW TO LEMON RESERVOIR	2,456	29
		LEMON RESERVOIR	12,297	20
		ANIMAS RIVER AT DURANGO	22,134	25
14080107	Mancos	MANCOS RIVER NEAR MANCOS	360	68
		JACKSON GULCH RESERVOIR	3,814	24
14080105	Middle San Juan	LONG HOLLOW RESERVOIR	1	43
		LA PLATA RIVER AT HESPERUS	806	40
14080102	Piedra	PIEDRA RIVER NEAR ARBOLES	4,882	20
14030002	Upper Dolores	GROUNDHOG RESERVOIR	4,100	7
		DOLORES RIVER BELOW MCPHEE RESERVOIR	8,612	30
		MCPHEE RESERVOIR	164,215	17
14080101	Upper San Juan	SAN JUAN RIVER NEAR CARRACAS	7,702	22
		LOS PINOS RIVER NEAR BAYFIELD	13,313	36
		VALLECITO RESERVOIR	42,531	13
10190006	Big Thompson	MARIANO RESERVOIR	1,400	61
		LONE TREE RESERVOIR	4,000	60
		WILLOW CREEK RESERVOIR	5,293	3
		LAKE LOVELAND RESERVOIR	7,000	51
		BIG THOMPSON R AT MOUTH, NR DRAKE, CO	11,790	66
		BOYD LAKE	35,700	82
		CARTER LAKE	92,164	92
		LAKE GRANBY	354,638	36

HUC ID	HUC Name	Component Name	Component Volume (AF)	Component NEP by Month
10190007	Cache La Poudre	BLACK HOLLOW RESERVOIR	2,900	47
		CACHE LA POUDRE	3,700	55
		CHAMBERS LAKE	4,500	72
		HALLIGAN RESERVOIR	4,500	79
		WINDSOR RESERVOIR	4,900	37
		FOSSIL CREEK RESERVOIR	7,000	85
		COBB LAKE	19,100	82
		CACHE LA POUDRE R AT CANYON MOUTH	19,116	76
		HORSETOOTH RESERVOIR	117,728	87
10190004	Clear Creek	CLEAR CREEK AT GOLDEN	12,138	54
10190003	Middle South Platte- Cherry Creek	SOUTH BOULDER CK NR ELDORADO SPRINGS, CO	1,526	20
		HORSECREEK RESERVOIR	3,500	36
		BOULDER CREEK NEAR ORODELL	4,620	44
		SAINT VRAIN CREEK AT LYONS	7,552	35
		BARR LAKE	10,700	41
		MILTON RESERVOIR	11,000	71
		BIG THOMPSON R AT MOUTH, NR DRAKE, CO	11,790	66
		CLEAR CREEK AT GOLDEN	12,138	54
		CACHE LA POUDRE R AT CANYON MOUTH	19,116	76
		SOUTH PLATTE RIVER AT SOUTH PLATTE	26,186	59
		STANDLEY RESERVOIR	39,000	49
10190012	Middle South Platte- Sterling	SOUTH BOULDER CK NR ELDORADO SPRINGS, CO	1,526	20
		BOULDER CREEK NEAR ORODELL	4,620	44
		SAINT VRAIN CREEK AT LYONS	7,552	35
		RIVERSIDE RESERVOIR	9,800	29
		JULESBURG RESERVOIR	9,900	62
		EMPIRE RESERVOIR	10,200	48
		BIG THOMPSON R AT MOUTH, NR DRAKE, CO	11,790	66
		PREWITT RESERVOIR	12,100	41
		CLEAR CREEK AT GOLDEN	12,138	54
		JACKSON LAKE RESERVOIR	15,000	43
		POINT OF ROCKS RESERVOIR	17,300	49
		CACHE LA POUDRE R AT CANYON MOUTH	19,116	76
		SOUTH PLATTE RIVER AT SOUTH PLATTE	26,186	59
10190001	South Platte Headwater	ELEVENMILE CANYON RESV INFLOW	8,434	62
		ANTERO RESERVOIR	20,100	96
		SPINNEY MOUNTAIN RESERVOIR	43,800	63
		ELEVENMILE CANYON RESERVOIR	100,200	64
10190005	St. Vrain	SOUTH BOULDER CK NR ELDORADO SPRINGS, CO	1,526	20
		BOULDER CREEK NEAR ORODELL	4,620	44
		TERRY RESERVOIR	4,800	46
		MARSHALL RESERVOIR	5,800	35
		SAINT VRAIN CREEK AT LYONS	7,552	35
		UNION RESERVOIR	11,667	74
		BUTTONROCK (RALPH PRICE) RESERVOIR	16,197	57
		GROSS RESERVOIR	25,300	53

HUC ID	HUC Name	Component Name	Component Volume (AF)	Component NEP by Month
10190002	Upper South Platte	SOUTH PLATTE RIVER AT SOUTH PLATTE	26,186	59
		CHEESMAN LAKE	77,776	73
		DILLON RESERVOIR	235,600	28
14050003	Little Snake	LITTLE SNAKE RIVER NEAR LILY	53	1
14050002	Lower Yampa	YAMPA RIVER NEAR MAYBELL	6,188	16
10180001	North Platte Headwaters	NORTH PLATTE R NR NORTHGATE	5,613	10
14050005	Upper White	WHITE RIVER NEAR MEEKER	7,965	4
14050001	Upper Yampa	ELKHEAD CREEK ABOVE LONG GULCH	15	11
		YAMCOLO RESERVOIR	2,642	23
		YAMPA RIVER AT STEAMBOAT SPRINGS	3,004	4
		ELK RIVER NEAR MILNER, CO	4,996	19
		STAGECOACH RESERVOIR NR OAK CREEK	31,100	35

NEP is non exceedance probability for volume of the component compared to this month during the historical period 1980-2020.

*No longer exists

Water Volume NEP Color Scale:

0 (Well Below Normal)

50 (Normal)

100 (Well Above Normal)

Basinwide Conditions Assessment

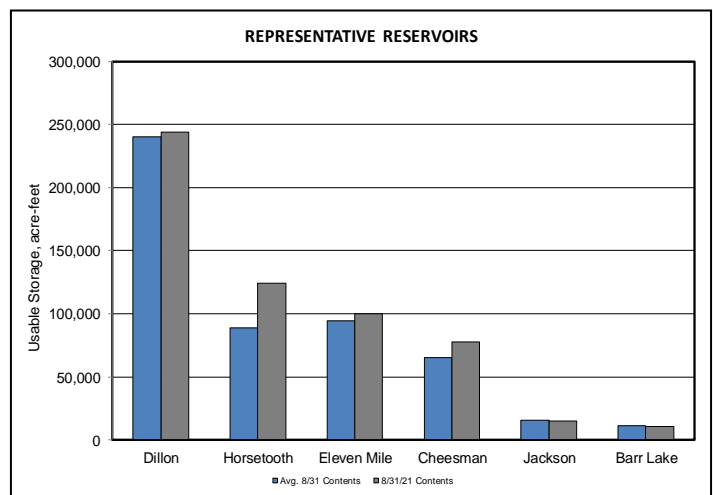
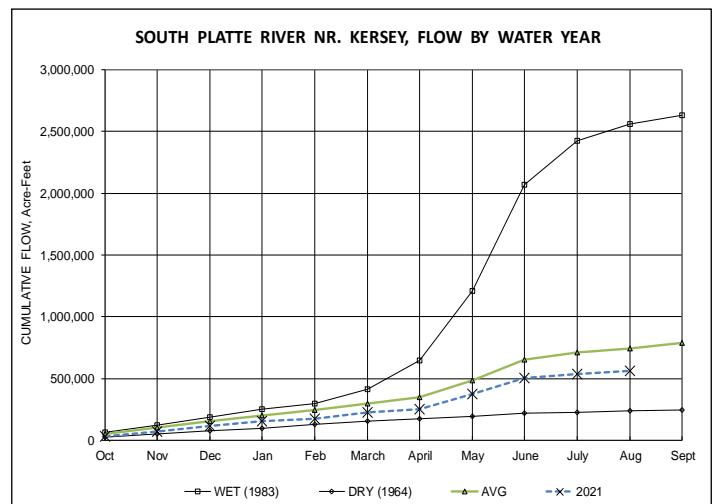
The SWSI value for the month was +0.8.

The pattern of above average temperatures and below average precipitation continued during the months of June throughout August throughout the entire South Platte and Republican River basins. Precipitation throughout the basin was below average ranging from near 50-60% of average in the mountainous and foothill areas to near 30% of average on much of the eastern plains throughout the South Platte River Basin during the month of August (NOAA Climate.gov 1981-2010 comparison). Temperatures were warmer than average for the month of August as reported by NOAA with the entire basin ranging between 2 and 5-degrees Fahrenheit above average temperatures compared to the 1981-2010 time period.

Below average precipitation and above average temperatures throughout the South Platte and Republican River basins during the months of beginning in June through the month of August has resulted in increasing areas of mild Drought in portions of the South Platte River Basin. The USDA U.S. Drought Monitor indicates a drought rating of D0 (Abnormally Dry) in portions of Larimer and Park counties in the mountainous areas; as well as portions of Weld, Logan, Yuma, Washington, Sedgwick. Much of Washington County and portions of Yuma County increased to a rating of D1 (Moderate Drought) to end the month of August. The remainder of the basin remains without any designation of drought conditions at the end of the month of August.

The continued trend of above average temperatures and below average precipitation during the month of August, resulted in below average streamflows during the month of August at both the Kersey stream gage located downstream of the City of Greeley and the Julesburg stream gage located near the Colorado and Nebraska border. The resulting streamflows at the Kersey stream gage for the month of August with average daily flows of approximately 427 cfs, 85% of the historic mean value of 501 cfs. The average daily flow at the Julesburg gage for the month of August was 90 cfs, only 49% of the historic mean value of 183 cfs for the month of August.

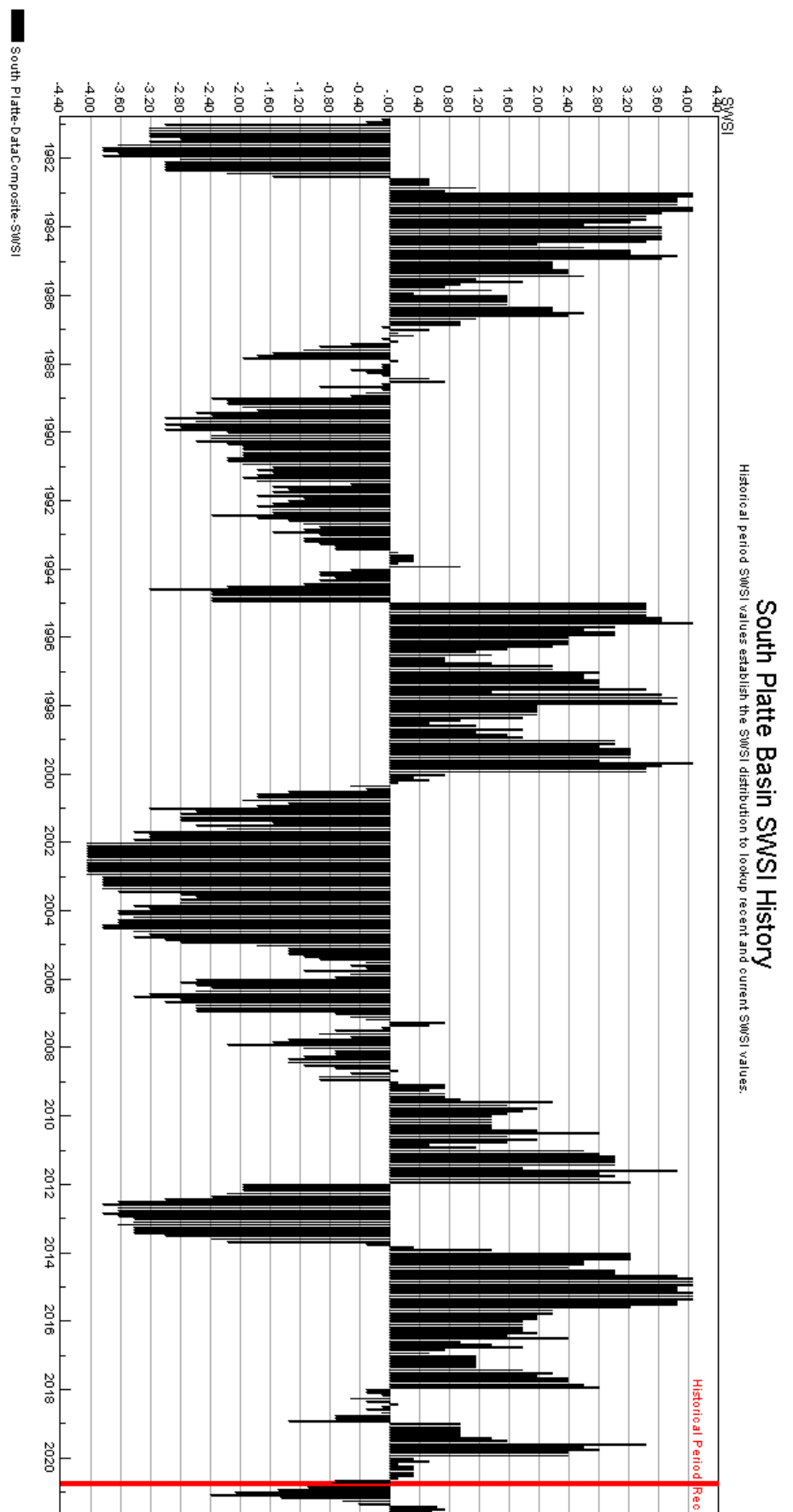
With the continued trend of above average temperatures and below average precipitation and streamflows, the calls on the South Platte River and tributaries continued to be senior as demand for water by water users increased during the month of August, with the exception of intermittent storm events and short lived reduction of demand during late August harvest of certain crops. The beginning of August through August 13 included the controlling call on the river at the Lowline ditch near the Town of Sterling with a circa 1888 calling right; and the lower river controlled downstream by a call at the Harmony No. 1 Canal near the Town of Crook; and the remainder downstream portion of the river controlled by a South Platte Compact Call at the stateline. As flows dropped and demand increased, an additional call was placed upstream of the above noted calls at the Western Ditch located near the Town of Platteville with a 1871 bypass call from August 14th through August 20th, and again on August 24th for the remainder of August. Beginning on August 27th and the remainder of the month into September, a call was placed at the Lower Latham Ditch downstream of the Western Ditch with an 1881 priority. The South Platte Compact call, with a priority date of June 14, 1897 impacting water district 64 from the Washington County westerly line to the state line, was placed at the stateline during much of the month of August from August 1 through August 26, and removed for the remainder of August into early September due to intermittent storm events and temporary decrease in demand for water due to harvesting of certain crops. Many tributaries experienced the same trend and



demands with internal calls being senior to the downstream South Platte River calls during the month of August. With the continued weather conditions and resulting high demand of water exceeding the available supplies, it is anticipated that the calls will continue to be more senior throughout the basin and the demand for reservoir releases to continue into the month of September.

Reservoir storage levels throughout the South Platte River mainstem ended the month of August above the historical average at the 6 SWSI Representative Reservoirs (Dillon, Horsetooth, Eleven Mile, Cheeseman, Jackson, and Barr Lake) at 571,780 acre-feet volume, which is 111% of the long term average (1961-current). Additionally, 32 indexed reservoirs throughout the Division 1 basin ended the month of August at 113% of the long-term average with a storage volume of 750,910 acre-feet representing 66% of total full capacity for the reservoirs. This is above the long term average of 59% of total full capacity for the end of August storage in the 32 indexed reservoirs throughout Division 1. With the above average temperatures and below average precipitation and native streamflows, the demand by water users for reservoir water releases increased during the month of August into early September.

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



Basinwide Conditions Assessment

The SWSI value for the month was -1.2.

Outlook

August was generally dry and droughty, but there was a storm at the beginning of the month that increased flow on the Purgatoire. River calls during August started with the Fort Lyon Canal 3/1/1887 pass thru call to the Amity Canal and ended with the Fort Lyon Canal 4/15/1884 call. For 3 days in August, storm relief bumped up the senior call to the 4/8/1905 Fort Lyon Canal call.

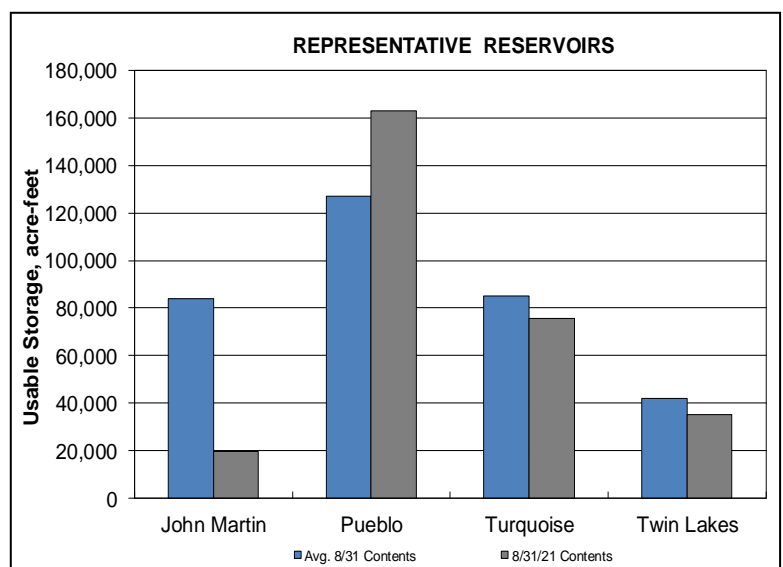
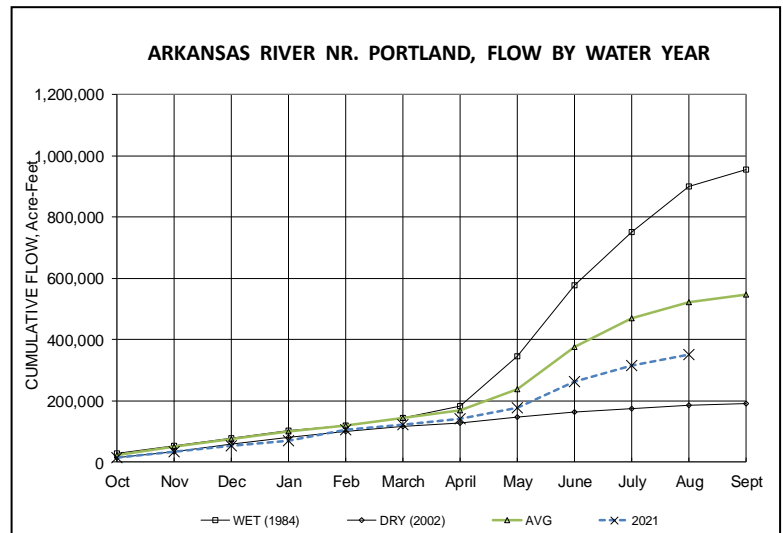
Administrative Concerns

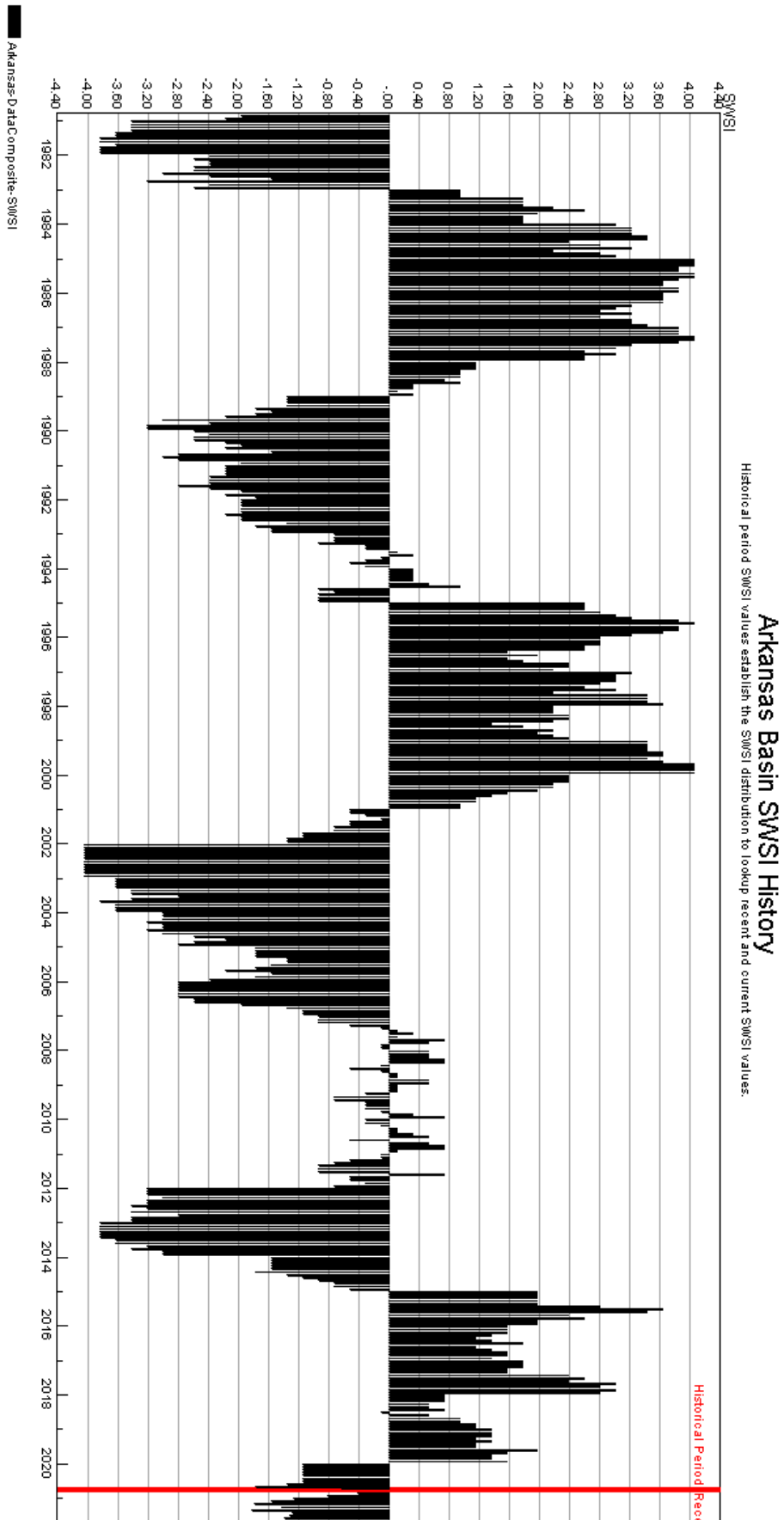
Amity Canal Company's Great Plains right was in priority the first part of August as a result of the precipitation events down the Purgatoire which accounted for 719 ac-ft stored in John Martin Reservoir. John Martin Reservoir was also in Conservation Storage during the precipitation event and stored 6,776 ac-ft.

The stored content in John Martin Reservoir at the end of August was 19,772 ac-ft compared to 40,428 ac-ft at the end of August 2020.

The State of Kansas drained their Article II account along with their Downstream Offset account on August 7, 2021.

Conditions in the Arkansas Basin were very dry in spite of several precipitation events that only provided momentary relief.





Basinwide Conditions Assessment

The SWSI value for the month was -1.4.

Flow at the gaging station Rio Grande near Del Norte averaged 215 cfs (33% of normal). The Conejos River near Mogote had a mean flow of 100 cfs (46% of normal). The streamflow in the Rio Grande at the State line averaged only 16 cfs during August when Compact delivery requirement was no longer needed to meet the 2020 required delivery. Streamflow in the upper Rio Grande basin was severely below average during August as rainfall on the mountains and plains was scarce.

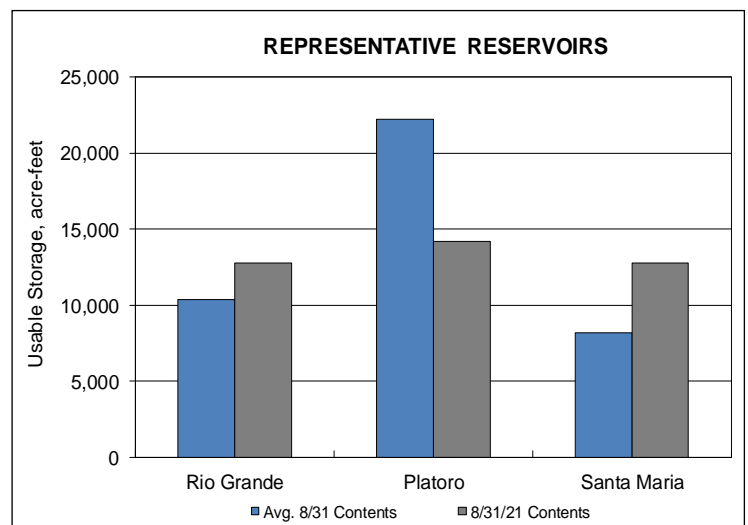
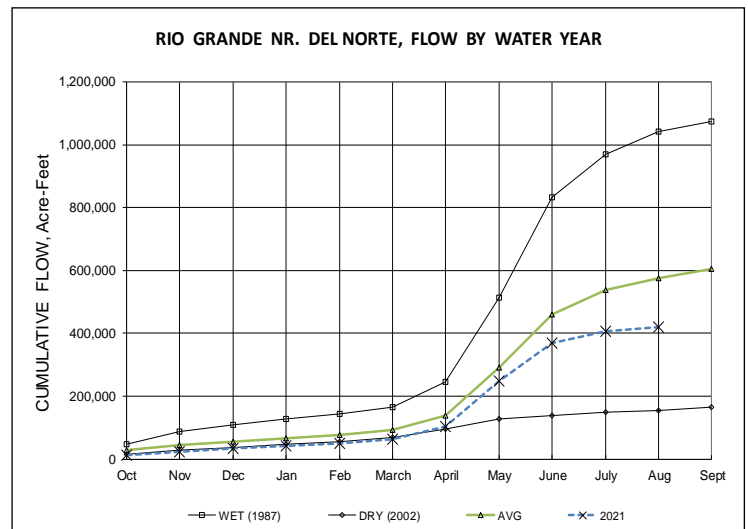
Outlook

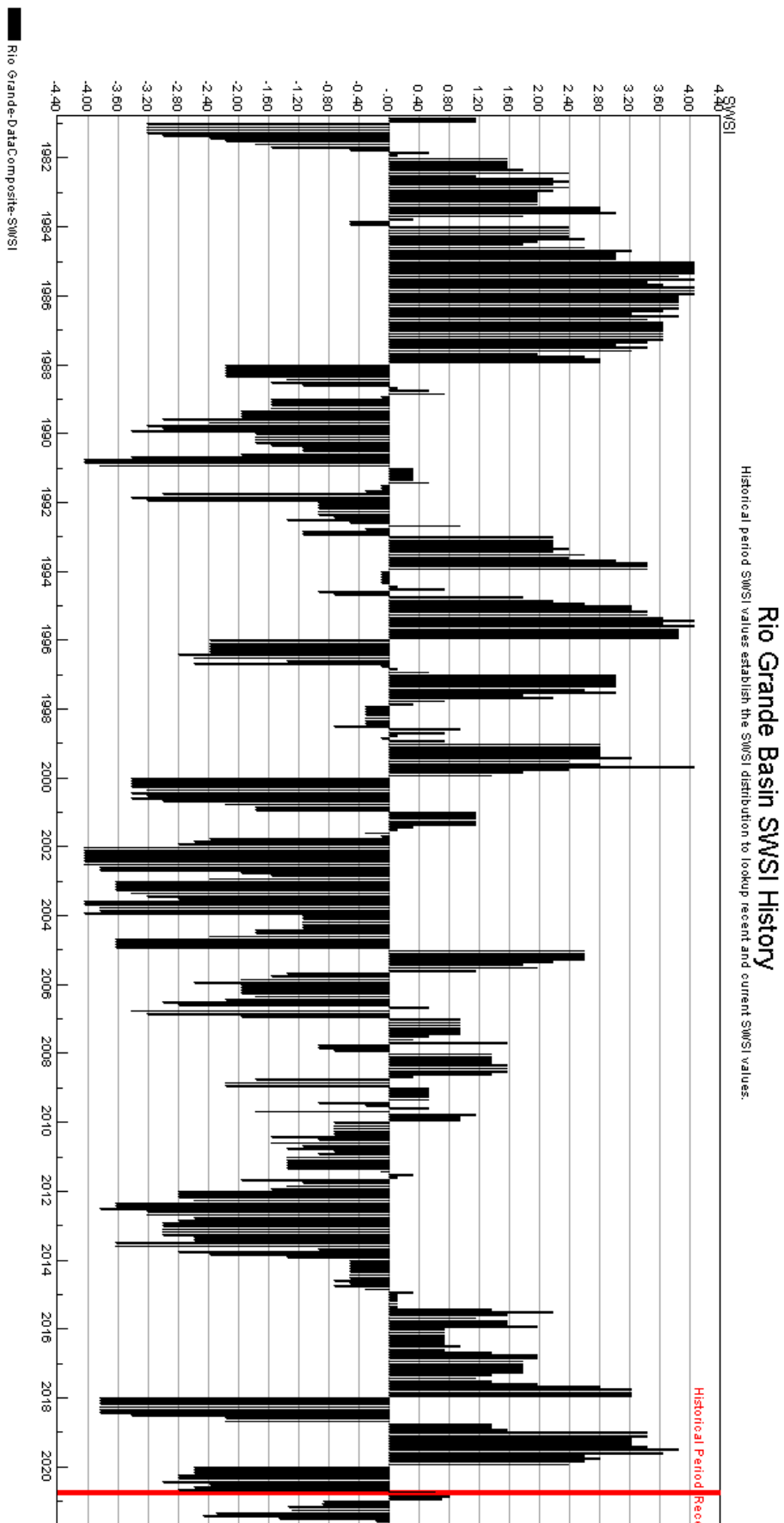
The month of August had warmer and drier conditions when compared to long-term records. Year to date precipitation is below normal for the San Luis Valley. NOAA weather forecasts for the next month and beyond call for below precipitation and warmer than normal temperatures.

Administrative/Management Concerns

Drought years like this one and 2018 take a toll on the environment, the farmers, ranchers and those who visit the San Luis Valley for recreation. Reservoir levels have receded and streamflow has diminished as the poor snow pack gave way to well below normal precipitation. Very senior calls exist on every stream in the upper Rio Grande basin. Junior water rights had little or no diversion this year. The aquifers are further stressed by pumping for irrigation demand. This makes sustainability requirements under the Case No. 15CW3024 Groundwater Use Rules even more difficult to achieve.

These are issues a few good snowstorms won't fix. The expected La Nina conditions for this winter won't help a quick recovery. The American southwest has lower precipitation patterns during La Nina. These overall conditions harken back to the drought of the early 2000's.





Basinwide Conditions Assessment

The SWSI value for the month was -3.7.

Basin Wide Conditions Outlook

A robust monsoon season that began in late June, continued through July, started to fizzle out by August with conditions trending hot and dry for the first half of August. Fortunately for irrigators in the Gunnison basin, base flows in streams were being propped up by the monsoon conditions and local calls on mainstem rivers such as the North Fork River, Uncompahgre River and Slate River, were relaxed. However, smaller streams with headwaters at lower elevations, such as the streams on the Uncompahgre Plateau, have been virtually non-existent due to the two previous years of poor snow pack and no monsoon season to speak of, resulting in very dry soil conditions. Yet, in the high country, headwaters are yielding at least some meager base flows and the vegetation is thick and lush due to the frequent daily showers. By the second week of August, streamflows at all stations on major streams, including the Uncompahgre River, East River, Taylor River, Tomichi Creek, and North Fork Gunnison River began to drop to levels between the 75th and 50th percentile for the date. Temperatures during August remained moderate and by August 19th and 20th, another potent monsoon event once again propped up base flows throughout the basin, with even flash flooding conditions in some parts of the basin. For example, the San Miguel River at Uravan went from approximately 50cfs to over 1,000 cfs on August 19.

Outlook

Unfortunately, the National Climate Prediction Center forecasts for the September to November period continue to predict lower than average precipitation combined with above average temperatures. This has been the forecast all spring and summer. The monsoonal events have been a welcome deviation from the forecasts.

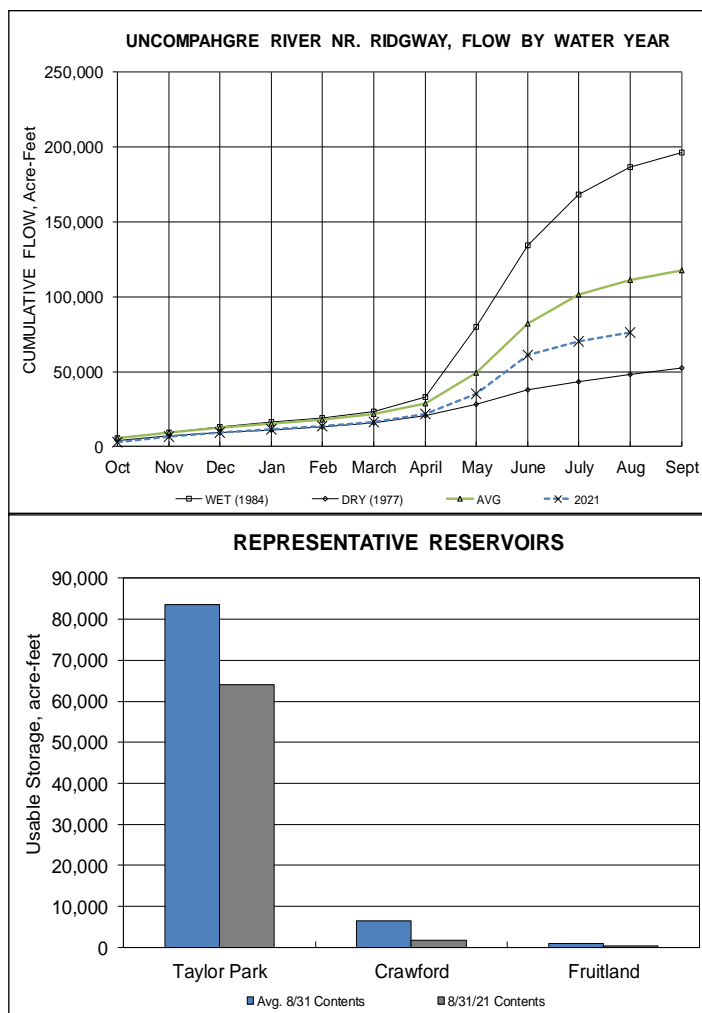
Administrative/Management Concerns

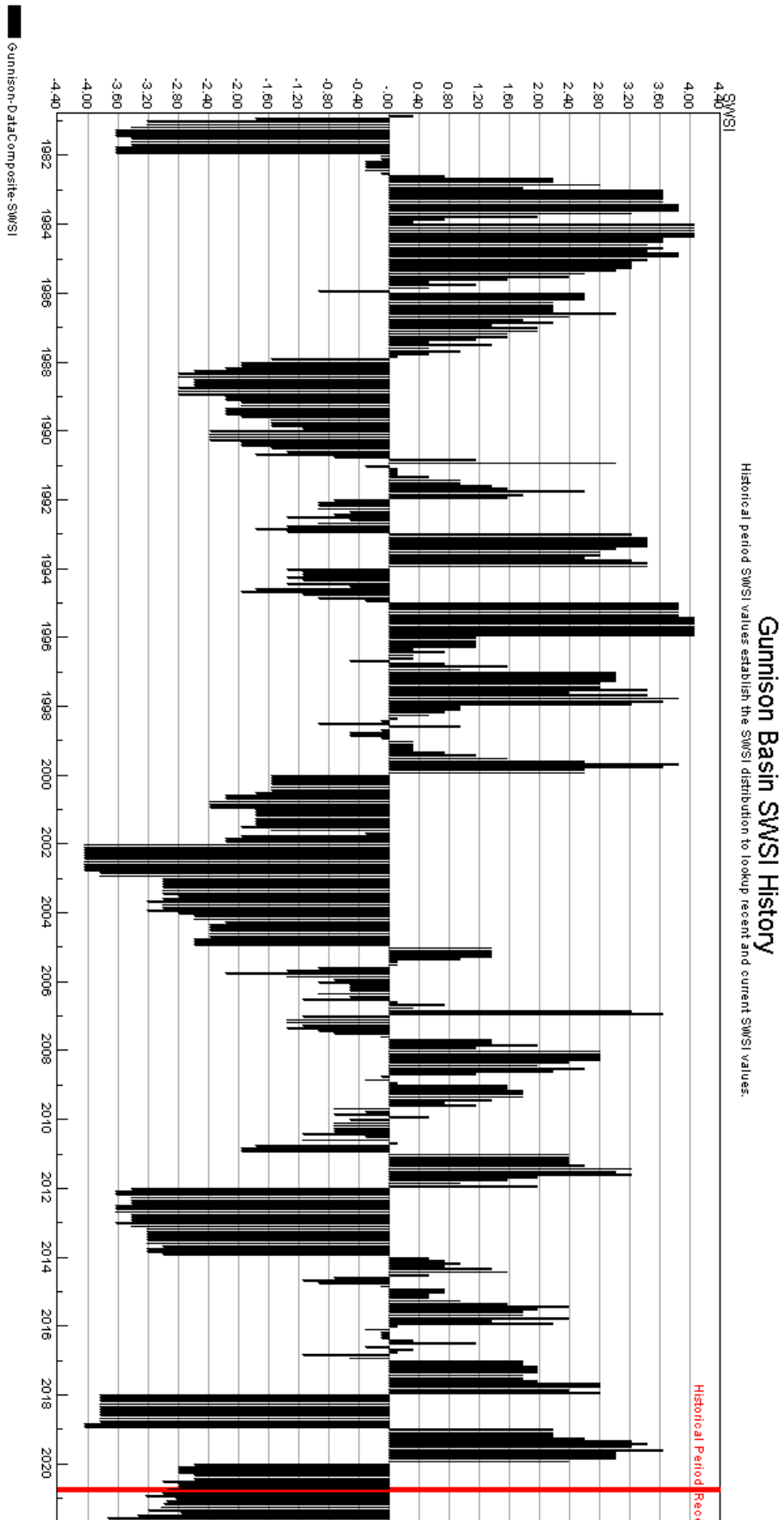
The Bureau of Reclamation has scheduled a fish screen installation project at Ridgway Reservoir to begin on September 7th. As such, Tri-County Water Conservancy District, the operators of the dam and reservoir storage, needed to lower the elevation of the reservoir for the contractors to successfully install the fish screen at the “glory hole” spillway tube. Therefore, releases from the reservoir during August until September 7th have resulted in fully satisfying the Uncompahgre Valley Water Users (UUVUA) demands for diversion on the Uncompahgre River and thus the UUVUA has been able to operate at 100% delivery for August while at the same time preserving their storage accounts for use later in the summer and early fall. In addition, diversions at the Gunnison Tunnel remained at 1,050 cfs for the entire month. During this irrigation season, the UUVUA has used approximately 14,000 ac-ft of its first fill storage from their account in Blue Mesa Reservoir. On July 20th, the UUVUA informed the Division of Water Resources that their desire was to preserve their Taylor Park Reservoir storage water and account for the shortage at the Gunnison Tunnel with water released by Reclamation through the power plant at Crystal Dam. This will have the effect of the UUVUA ending the water year with a full 106,230 acre-feet as carryover storage in their Taylor Park Reservoir first fill account. In quite a different story than last irrigation season, the use of Ridgway Reservoir storage was limited to only 2579 ac-ft in August leaving the remaining balance of the account available for September and October.

Storage orders and resulting releases from Grand Mesa Reservoirs remained extremely high during August due to the extremely low base flows in the streams.

Public Use Impacts

The base flow target in the Gunnison River at Whitewater specified in the Aspinall Unit reoperations ROD remained at 890 cfs in August due to a drought provision that applies when storage in Blue Mesa Reservoir is less than 600,000 acre-feet. However, Reclamation maintained releases from Crystal Dam at levels that kept flows in the Gunnison Gorge near 600 cfs throughout the month, which kept the target flows well above the minimum required. In addition, Reclamation made a release from the Aspinall Unit as part of upper basin states’ emergency drought response operations to help prop up the elevation of Lake Powell and preserve power generation capabilities. The forecasted end of year storage in Blue Mesa Reservoir is now predicted to be 220,000 acre-feet, which will be one of the lowest ever recorded and is having public use impacts at the boat launch areas.





Basinwide Conditions Assessment

The SWSI value for the month was -2.8.

Outlook

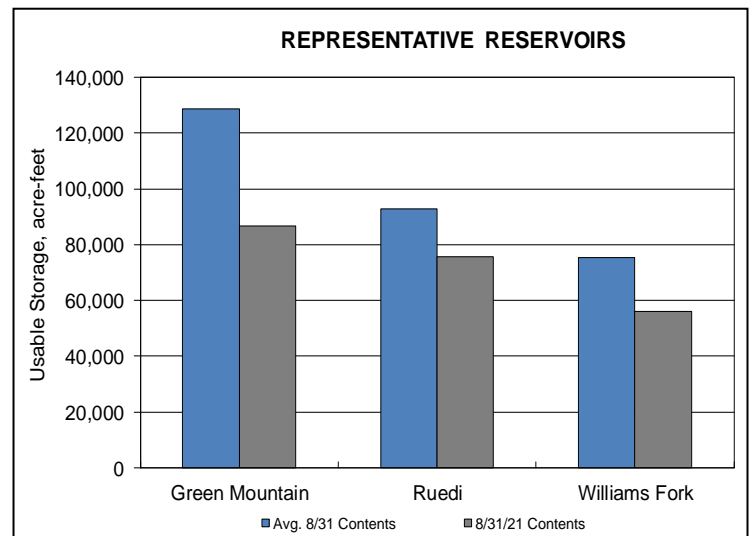
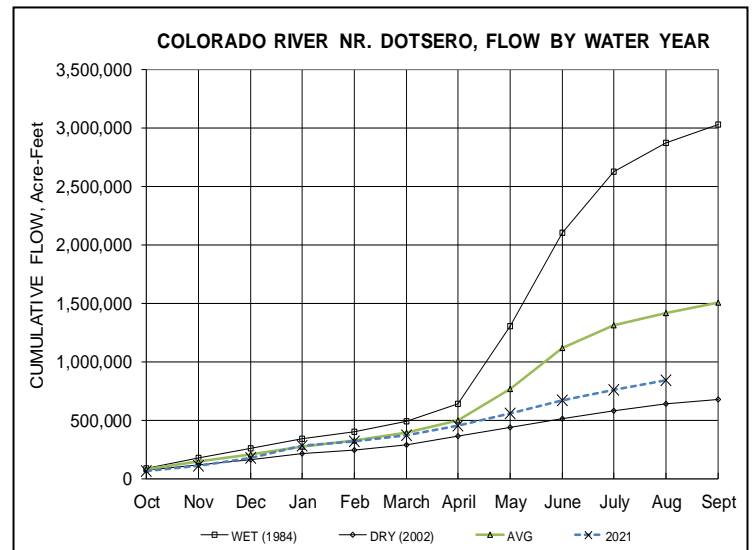
Colorado River flows and tributary flows are running below average and are forecasted to continue below average through September. Above average temperatures and above average precipitation are forecast for September.

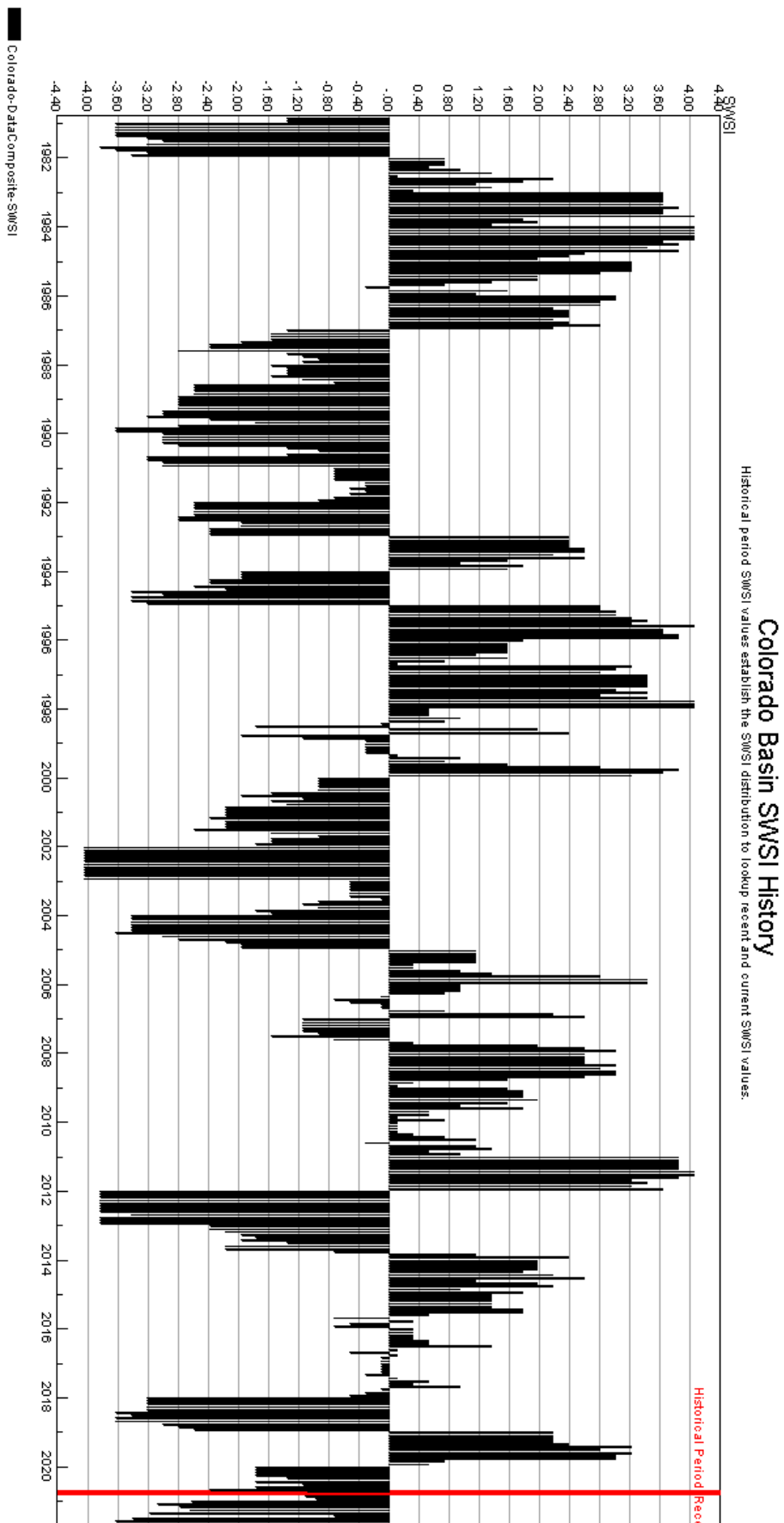
Administrative/Management Concerns

The call on the Colorado River mainstem is the Cameo Grand Valley Canal (WDID 7200645) with its junior 119 cfs priority). 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 water. Green Mountain is releasing inflow, storage for contracts, Silt Project replacement, HUP irrigation direct delivery and Historic User Pool replacement water. Both Ruedi Reservoir and Wolford Reservoirs are releasing Green Mountain substitution water.

Public Use Impacts

In a meeting hosted by the Glenwood Canyon Restoration Alliance, the Colorado Department of Transportation spokesperson, Elise Thatcher, said maintenance work on Interstate 70 continues at a steady pace, and CDOT is slated to have all lanes east - and westbound open before Thanksgiving. CDOT crews removed about 3,300 truckloads of debris from Glenwood Canyon from the mudslides. Colorado agencies made the decision to move forward with removing material from the river during the winter with the goal of completing the removal project before spring.





Basinwide Conditions Assessment

The SWSI value for the month was -2.9.

Basin Wide Conditions Assessment:

Precipitation (24 sites) - Yampa and White River basins were **108%** of the August average, putting the basins at 74% of average for the water year to date. This is up from last year's monthly average of 16%, and down from last year's water year to date of 86%. North Platte River basin was **113%** of the monthly average, putting the basin at 81% for the water year to date. This is up from last year's monthly average of 28%, and down from last year's water year to date of 94%. For the entire Yampa, White and North Platte River basins the lowest percent of average, at 31%, was the Deadman Hill SNOTEL station. The highest, at 180%, was the Little Snake River SNOTEL station, with 2.7 inches.

**Averages are from 1981-2010 records*

Temperatures - The average August temperature for NOAA Colorado Climate Division 2: Colorado River Drainage was **63.9° F**. This is +2.2°F from the average of 61.7°F. This temperature ranks 112 for the lowest of the previous 127 years of data. For the NOAA Colorado Climate Division 4: Platte Drainage, the average temperature was **67.7° F**, +2.0°F from the average of 60.0°F, ranking 112.

**Averages are from 1901-2000 records*

Reservoir Outlook:

Elkhead Reservoir - June 30, 2021 capacity level was 19,130 AF of 25,550 AF -

74.8% capacity.

Fish Creek Reservoir - August 31, 2021 elevation was 9878' at 3220 AF of 4,160 AF -

76.8% capacity.

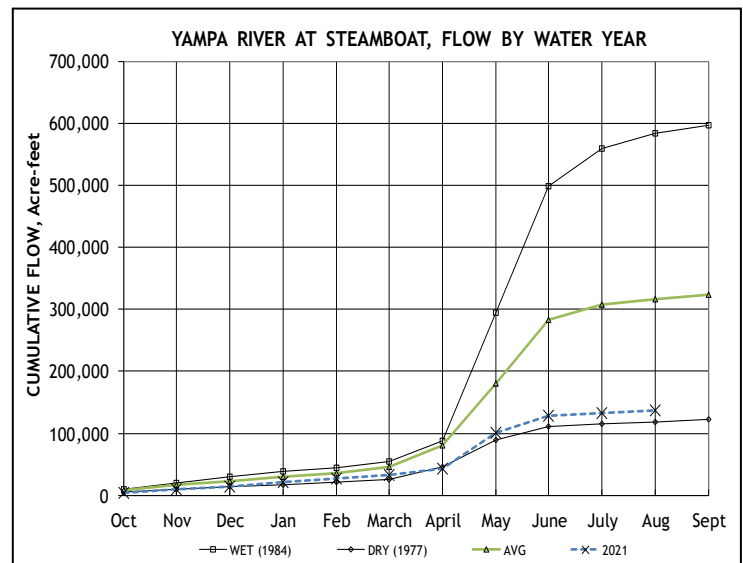
Stagecoach Reservoir -August 31, 2021 capacity level was 31,100 AF of 36,500 AF -

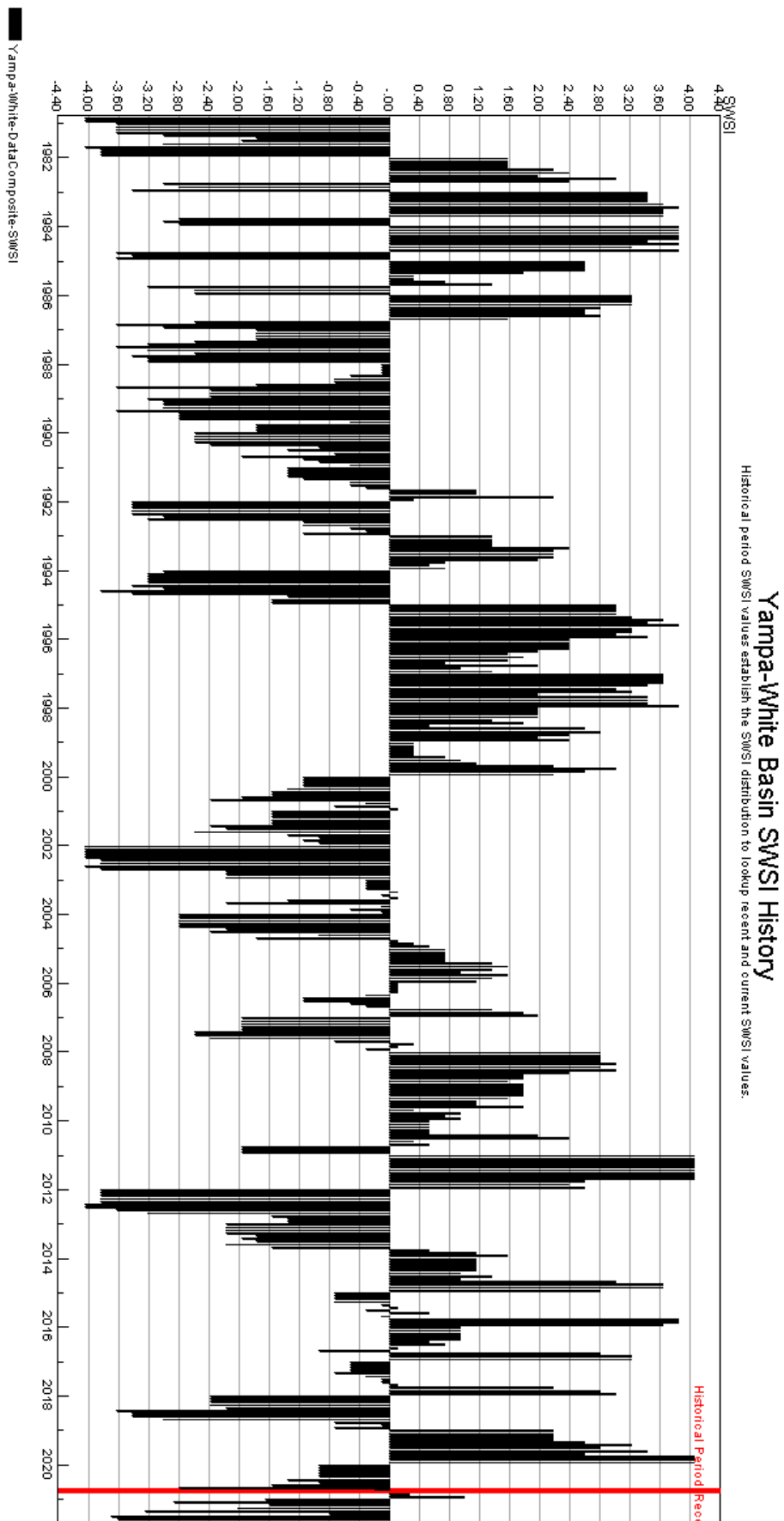
85% of capacity, 98% of average, 91% of last year.

Yamcolo Reservoir - August 31, 2021 capacity level was at 2,600 AF of 8,700 AF -

30% of capacity, 61% of average, 113% of last year.

**Averages are from 1981-2010 records*





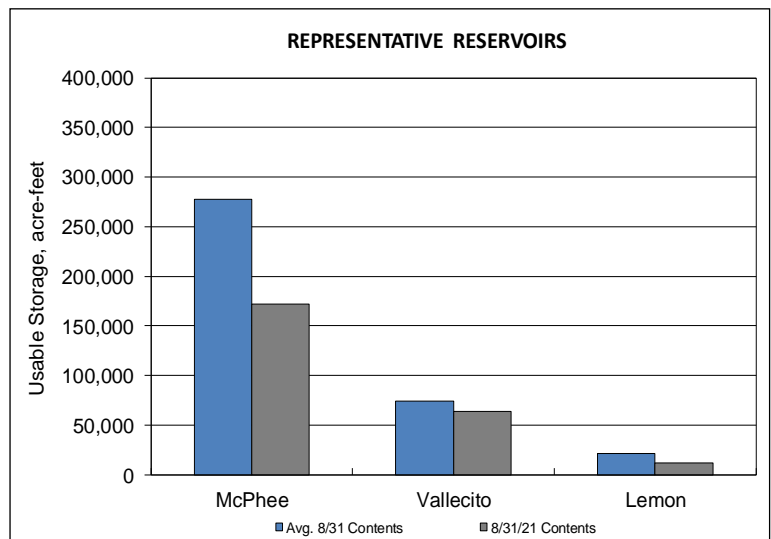
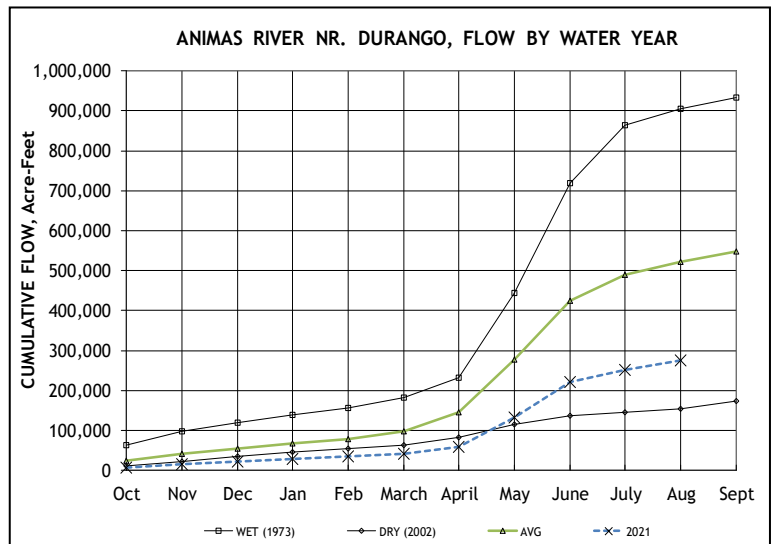
Basinwide Conditions Assessment

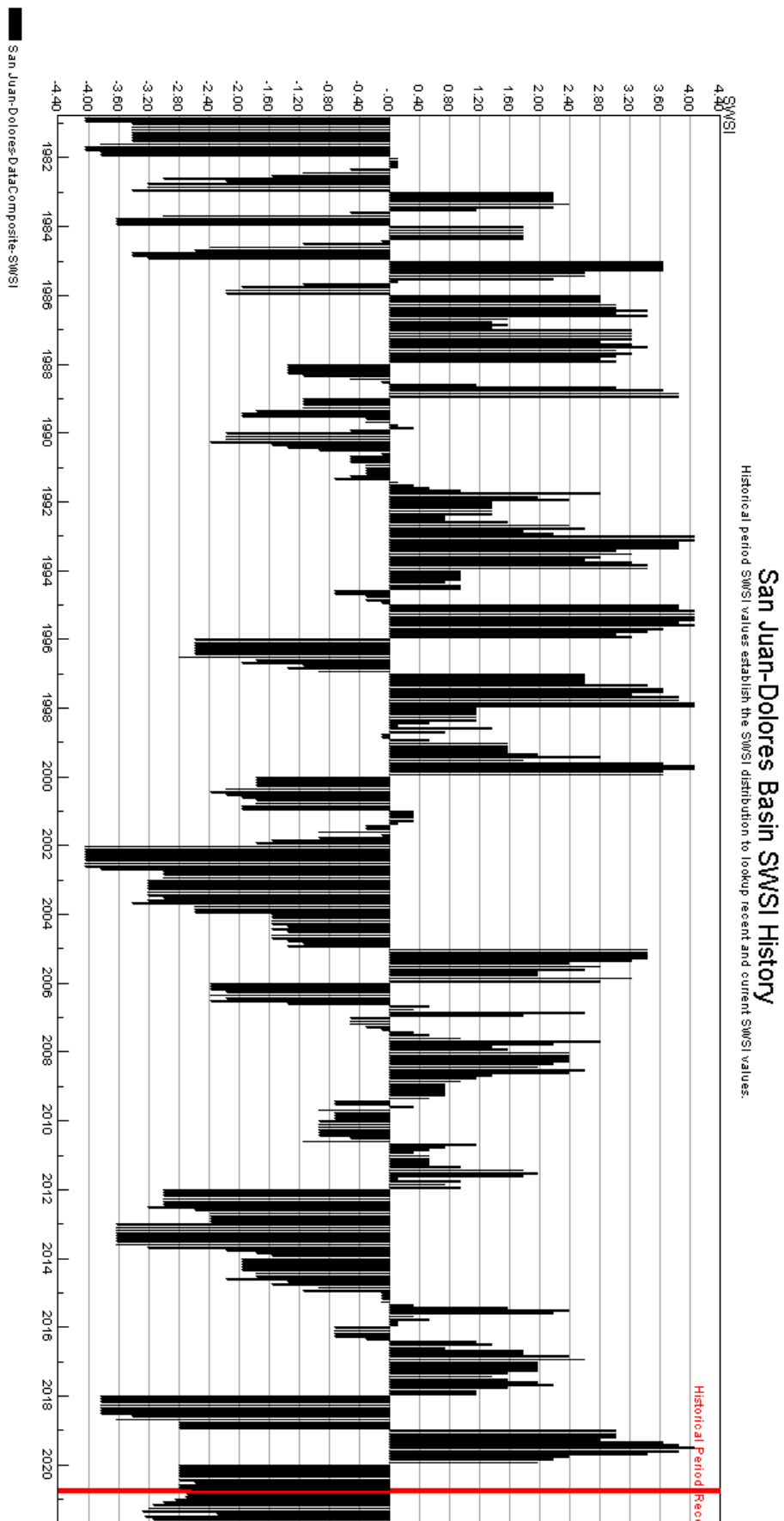
The SWSI value for the month was -3.3.

Flows at the Animas River at Durango averaged 357 cfs (63% of average). The flow at the Dolores River at Dolores averaged 131 cfs (54% of average). The La Plata River at Hesperus averaged 13.1 cfs (60% of average). Precipitation in Durango was 1.45 inches for the month, 60% of the 30-year average of 2.41 inches. Precipitation to date in Durango for the water year is 13.16 inches, 76% of the 30-year average of 17.37 inches. The average high and low temperatures for the month of August in Durango were 88° and 50°. In comparison, the 30-year average high and low for the month is 84° and 53°. At the end of the month Vallecito Reservoir contained 43,365 acre-feet compared to its average content of 70,566 acre-feet (61% of average). McPhee Reservoir was up to 164,260 acre-feet compared to its average content of 281,959 (58% of average), while Lemon Reservoir was up to 12,640 acre-feet as compared to its average content of 21,232 acre-feet (60% of average).

Outlook

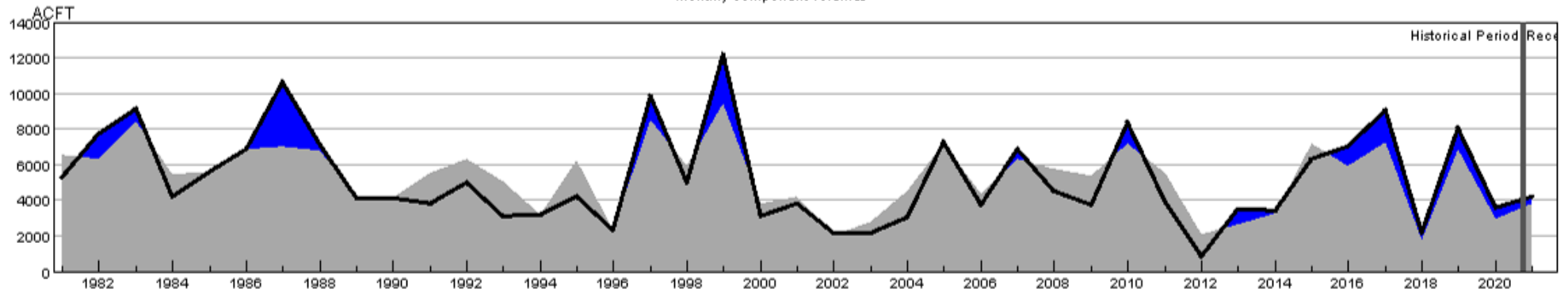
Precipitation (1.45 inches) was below average for August in Durango. There were 89 years out of 126 years of record where there was more precipitation than this year. The flows in the rivers did slightly better this month when compared to last month. The flows remain below average for the month. There were 85 out of 110 years of record where there was more flow at the Animas River at Durango gage than this year. There were 90 out of 111 years of record where the total flow past the Dolores stream gauge was more than this year. There were 73 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 well below average for this time of year but did improve when comparing their content to last month. McPhee Reservoir has not been this low since 2013. Only 4 years had a lower content than this year 1984, 1985, 2002 and 2013. Storage in 1984 and 1985 was just beginning after the construction was completed at the reservoir. 2002 was a very dry year. To compare several low content years, the content at the end of August in 2002 was 157,677 acre-feet. Content at the end of August in 2013 was 163,642 acre-feet.





HUC 14080107 (Mancos) Surface Water Supply - SEP

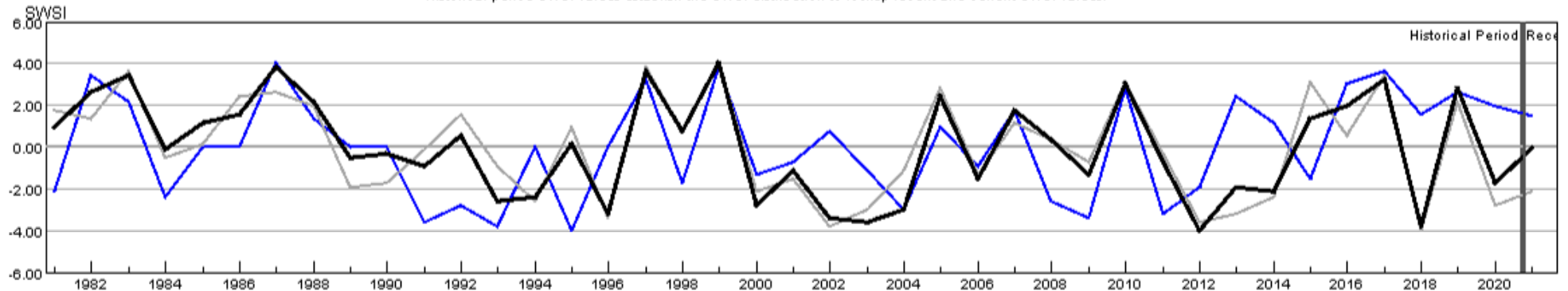
Monthly component volumes



HUC:14080107-SEP-DataComposite
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 HUC:14080107-SEP-ReservoirStorage

HUC 14080107 (Mancos) SWSI Values - SEP

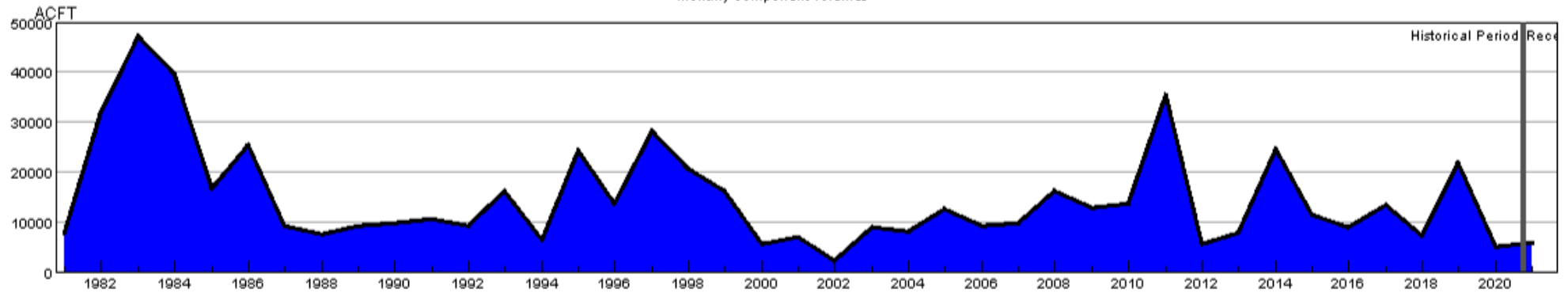
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

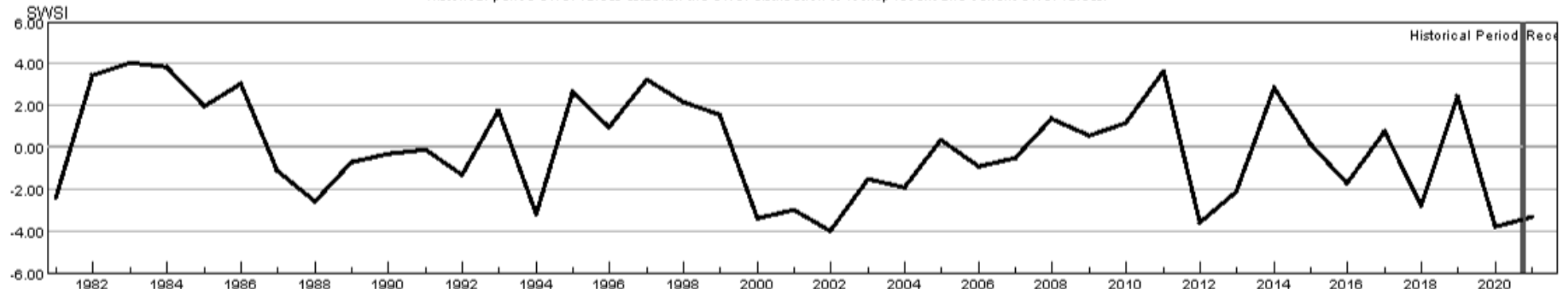
Monthly component volumes



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

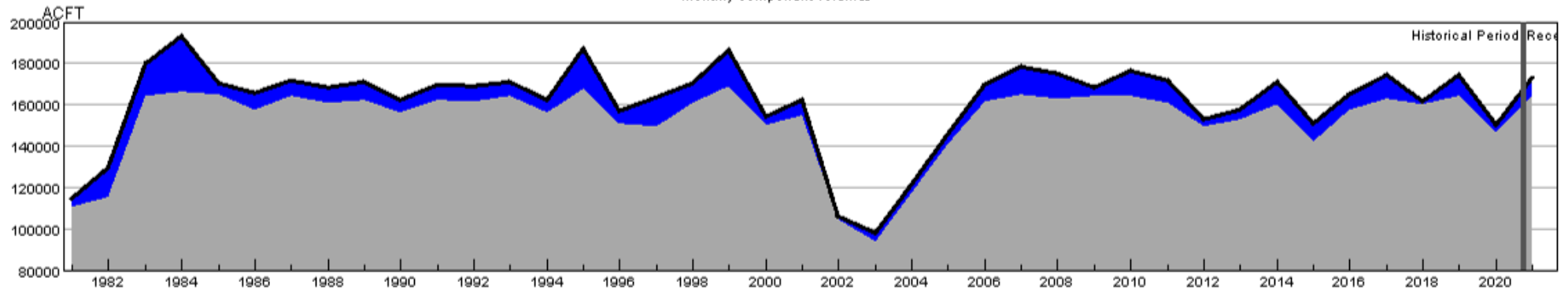
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:10180001-SEP-PrevMoStreamflow-SWSI
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 HUC:10180001-SEP-DataComposite-SWSI

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

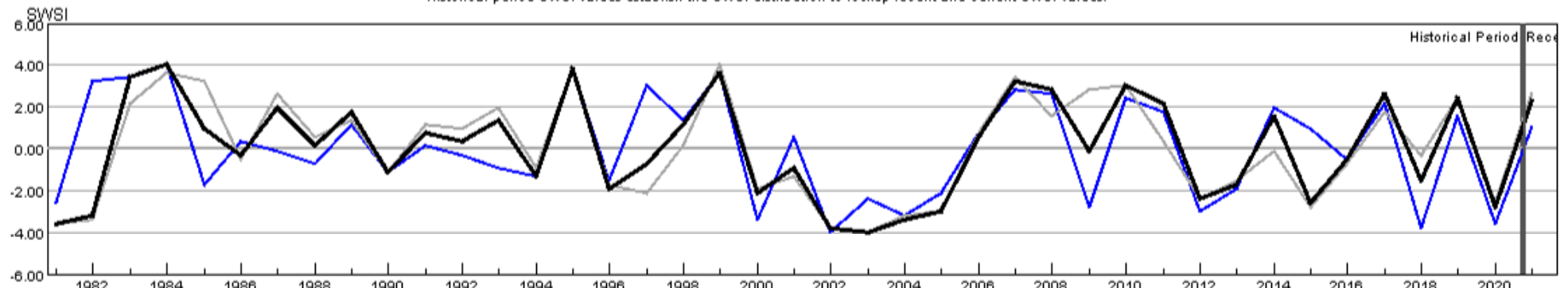
Monthly component volumes



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

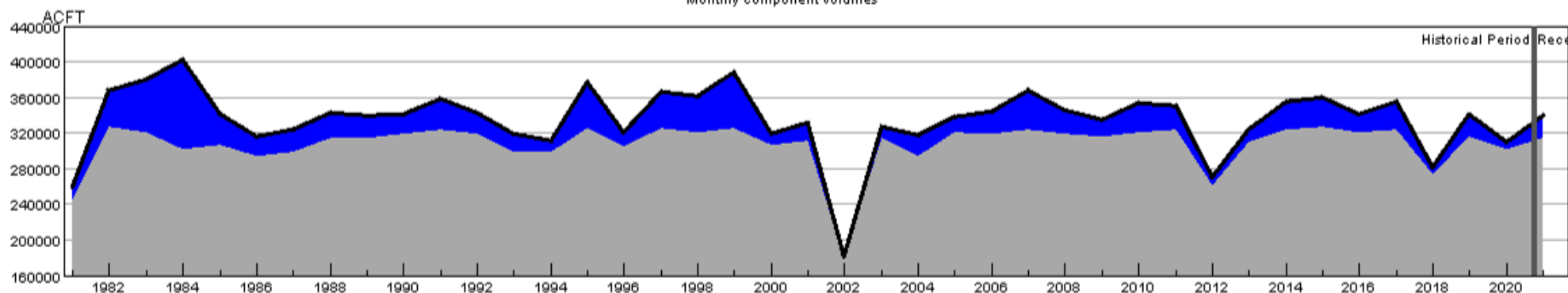
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:10190001-SEP-PrevMoStreamflow-SWSI
 HUC:10190001-SEP-ForecastedRunoff-SWSI
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HUC 10190002 (Upper South Platte) Surface Water Supply - SEP

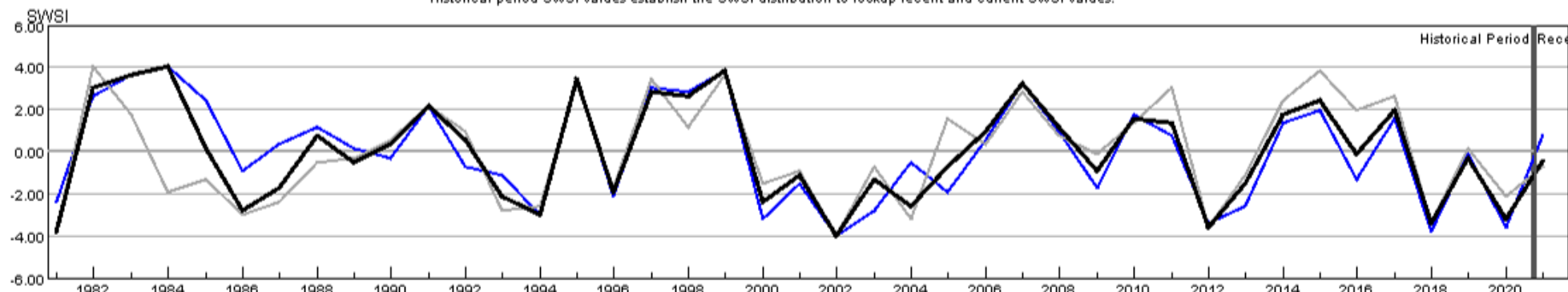
Monthly component volumes



HUC:10190002-SEP-DataComposite
 HUC:10190002-SEP-PrevMoStreamflow
 HUC:10190002-SEP-ForecastedRunoff
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HUC 10190002 (Upper South Platte) SWSI Values - SEP

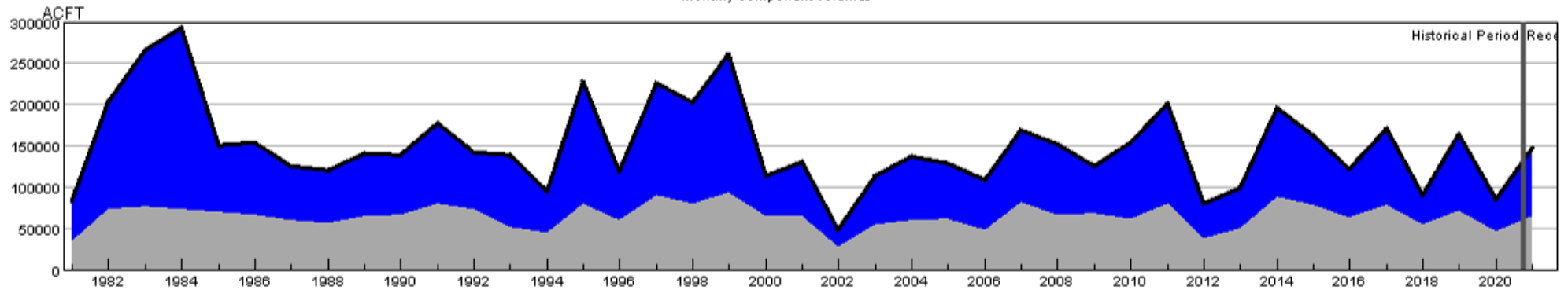
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

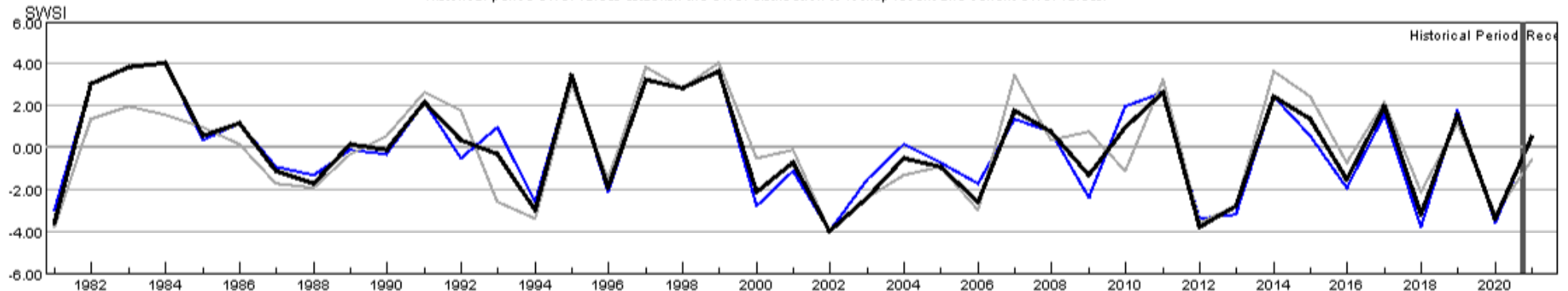
Monthly component volumes



HUC:10190003-SEP-DataComposite
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HUC 10190003 (Middle South Platte-Cherry Creek) SWSI Values - SEP

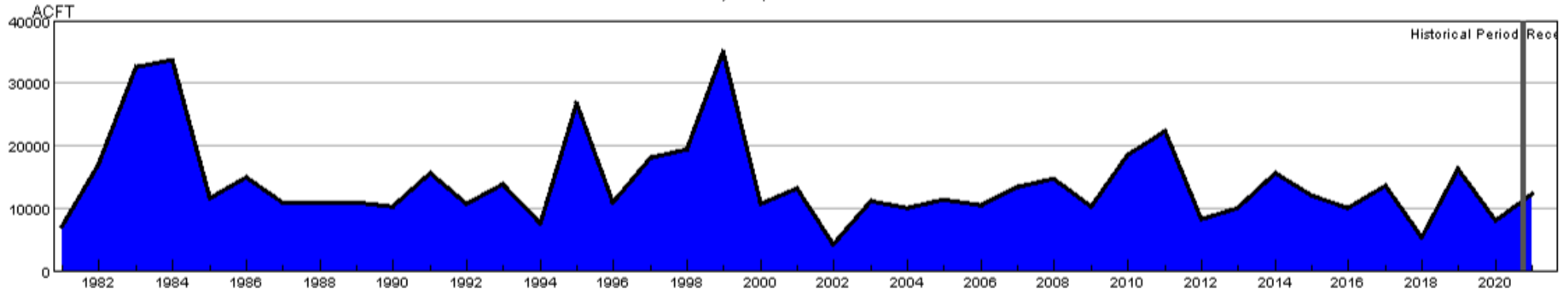
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:10190003-SEP-PrevMoStreamflow-SWSI
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 HUC:10190003-SEP-ReservoirStorage-SWSI
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HUC 10190004 (Clear) Surface Water Supply - SEP

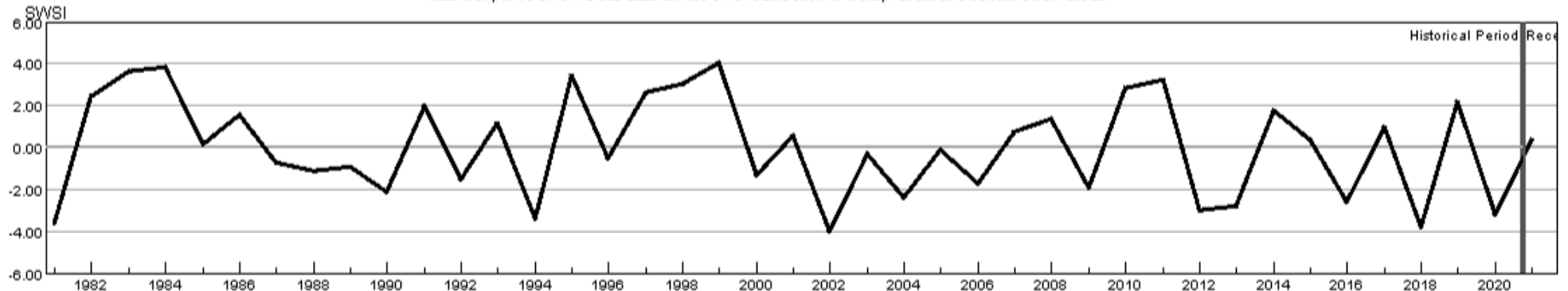
Monthly component volumes



- HUC:10190004-SEP-DataComposite
- HUC:10190004-SEP-PrevMoStreamflow
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- HUC:10190004-SEP-ReservoirStorage

HUC 10190004 (Clear) SWSI Values - SEP

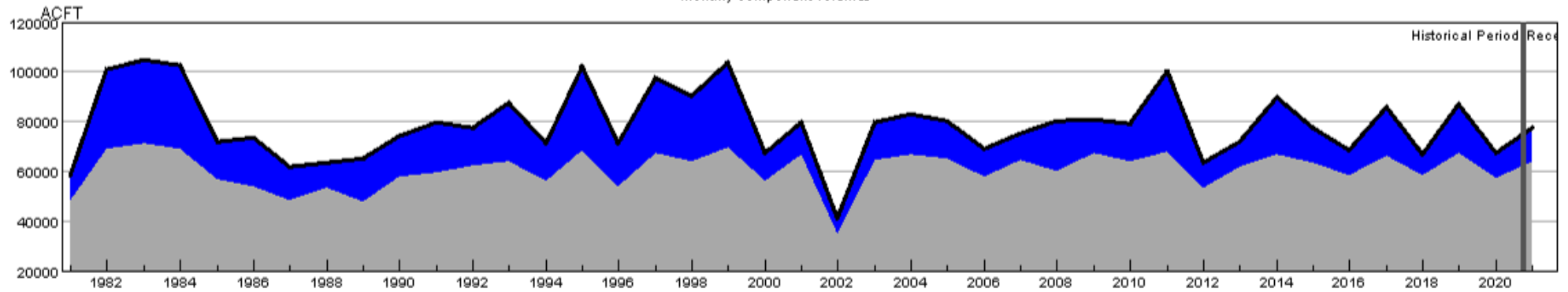
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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- HUC:10190004-SEP-ReservoirStorage-SWSI
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HUC 10190005 (St. Vrain) Surface Water Supply - SEP

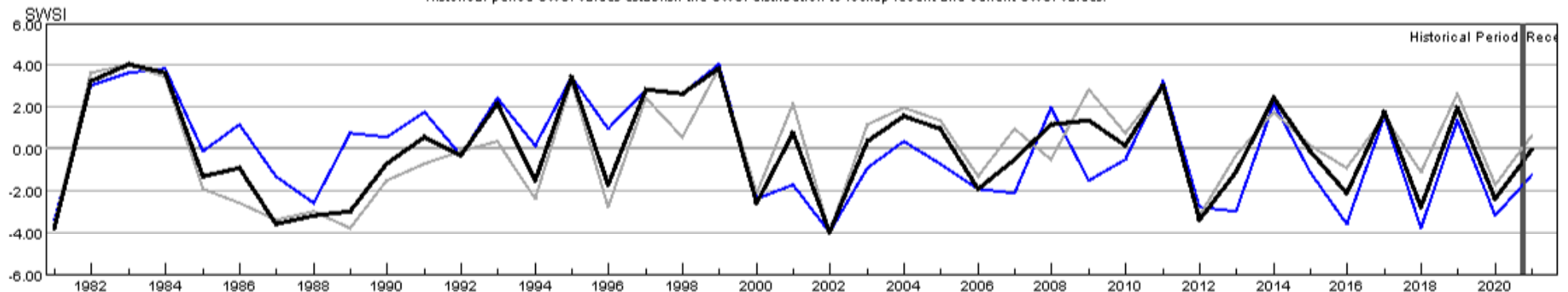
Monthly component volumes



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

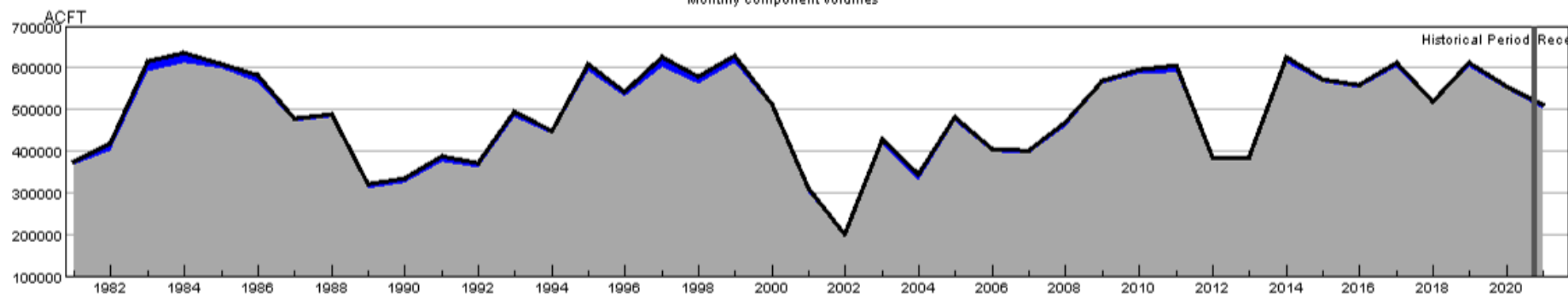
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 HUC:10190005-SEP-DataComposite-SWSI

HUC 10190006 (Big Thompson) Surface Water Supply - SEP

Monthly component volumes



HUC:10190006-SEP-DataComposite
 HUC:10190006-SEP-PrevMoStreamflow
 HUC:10190006-SEP-ForecastedRunoff
 HUC:10190006-SEP-ReservoirStorage

HUC 10190006 (Big Thompson) SWSI Values - SEP

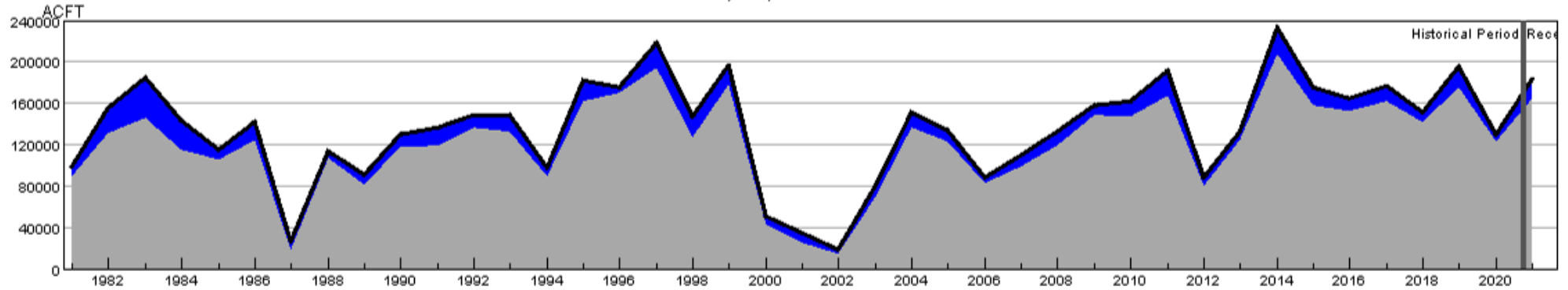
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 HUC:10190006-SEP-ReservoirStorage-SWSI
 HUC:10190006-SEP-DataComposite-SWSI

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

Monthly component volumes



HUC:10190007-SEP-DataComposite
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 HUC:10190007-SEP-ReservoirStorage

HUC 10190007 (Cache La Poudre) SWSI Values - SEP

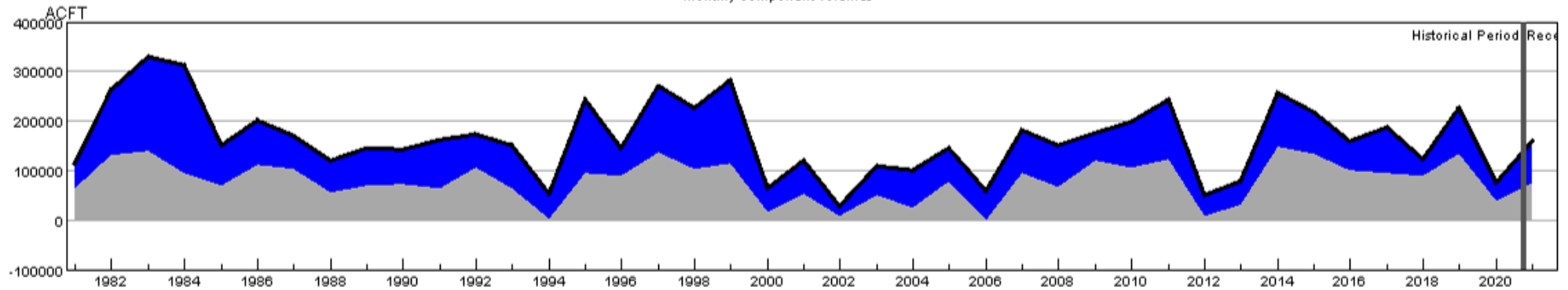
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HUC:10190007-SEP-PrevMoStreamflow-SWSI
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 HUC:10190007-SEP-ReservoirStorage-SWSI
 HUC:10190007-SEP-DataComposite-SWSI

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

Monthly component volumes



HUC:10190012-SEP-DataComposite
 HUC:10190012-SEP-PrevMoStreamflow
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 HUC:10190012-SEP-ReservoirStorage

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

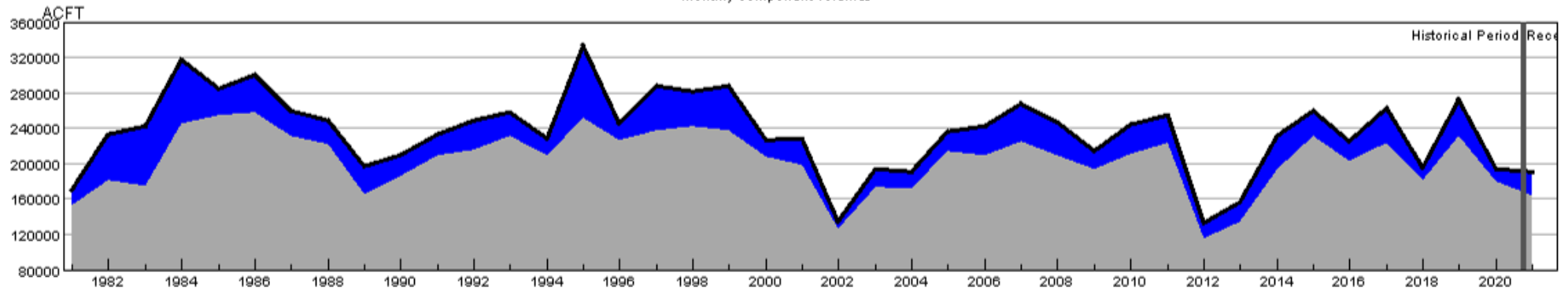
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:10190012-SEP-PrevMoStreamflow-SWSI
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 HUC:10190012-SEP-ReservoirStorage-SWSI
 HUC:10190012-SEP-DataComposite-SWSI

HUC 11020001 (Arkansas Headwaters) Surface Water Supply - SEP

Monthly component volumes



HUC:11020001-SEP-DataComposite
 HUC:11020001-SEP-PrevMoStreamflow
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HUC 11020001 (Arkansas Headwaters) SWSI Values - SEP

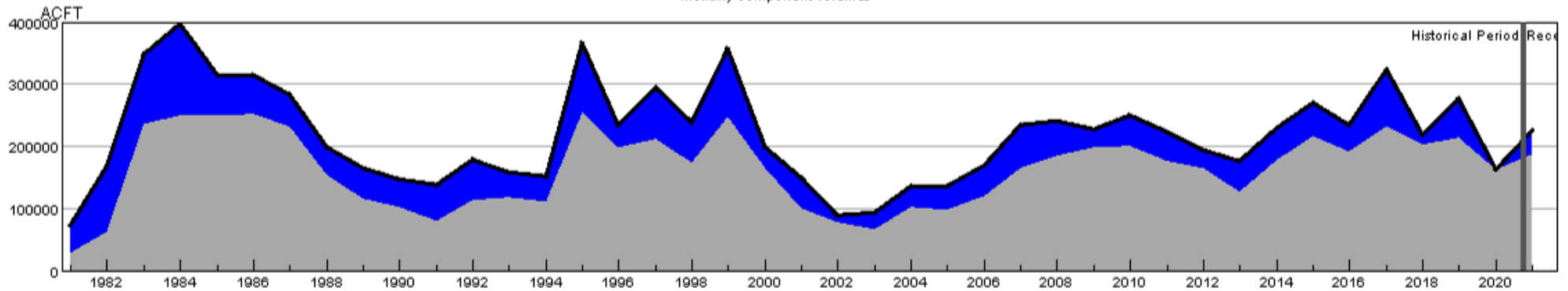
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

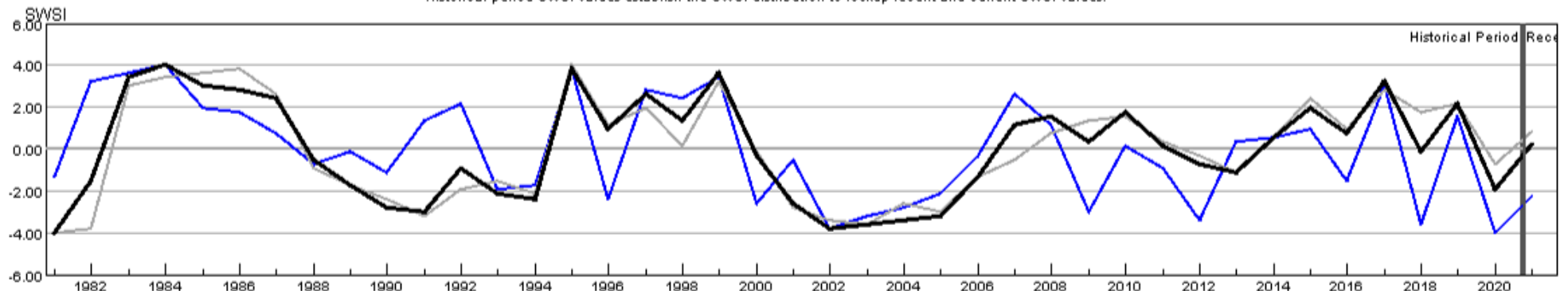
Monthly component volumes



HUC:11020002-SEP-DataComposite
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HUC 11020002 (Upper Arkansas) SWSI Values - SEP

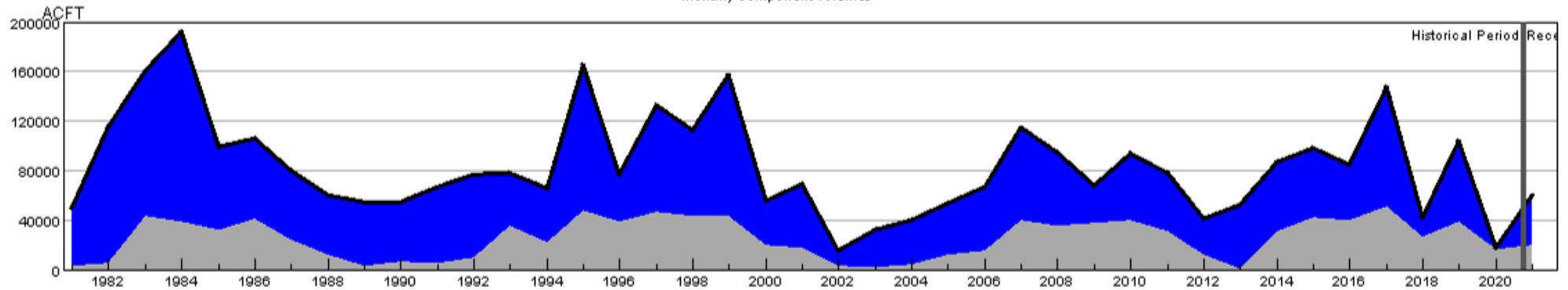
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

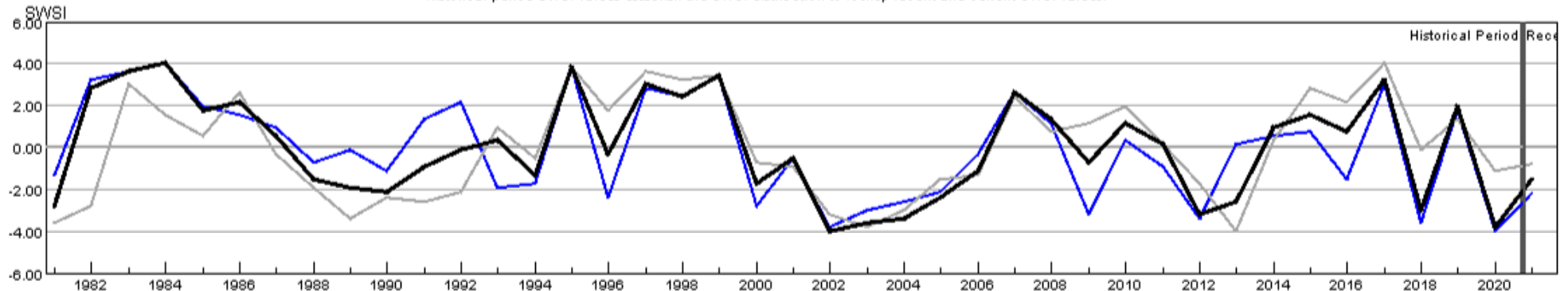
Monthly component volumes



HUC:11020005-SEP-DataComposite
 HUC:11020005-SEP-PrevMoStreamflow
 HUC:11020005-SEP-ForecastedRunoff
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HUC 11020005 (Upper Arkansas-Lake Meredith) SWSI Values - SEP

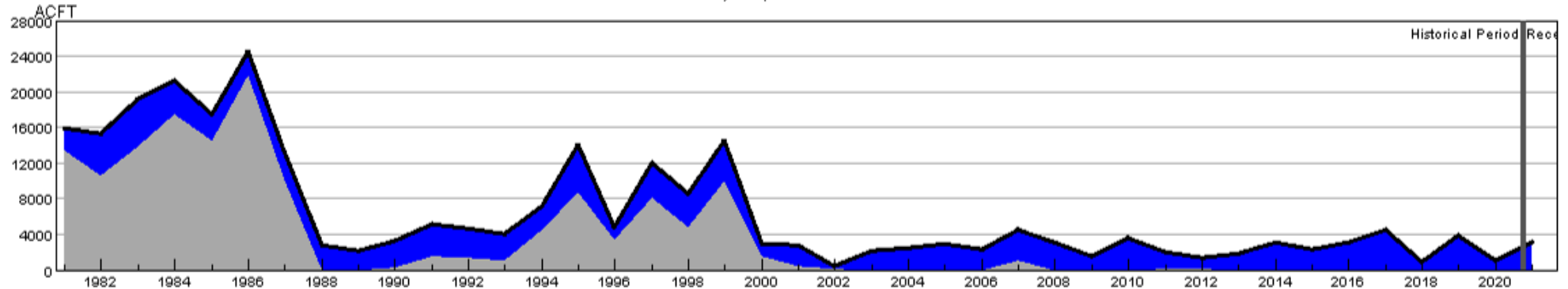
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:11020005-SEP-PrevMoStreamflow-SWSI
 HUC:11020005-SEP-ForecastedRunoff-SWSI
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HUC 11020006 (Huerfano) Surface Water Supply - SEP

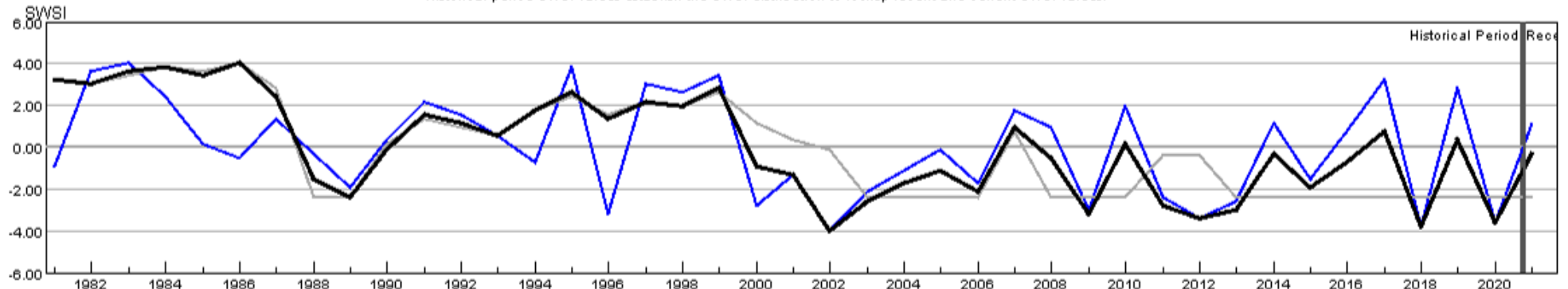
Monthly component volumes



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

HUC 11020006 (Huerfano) SWSI Values - SEP

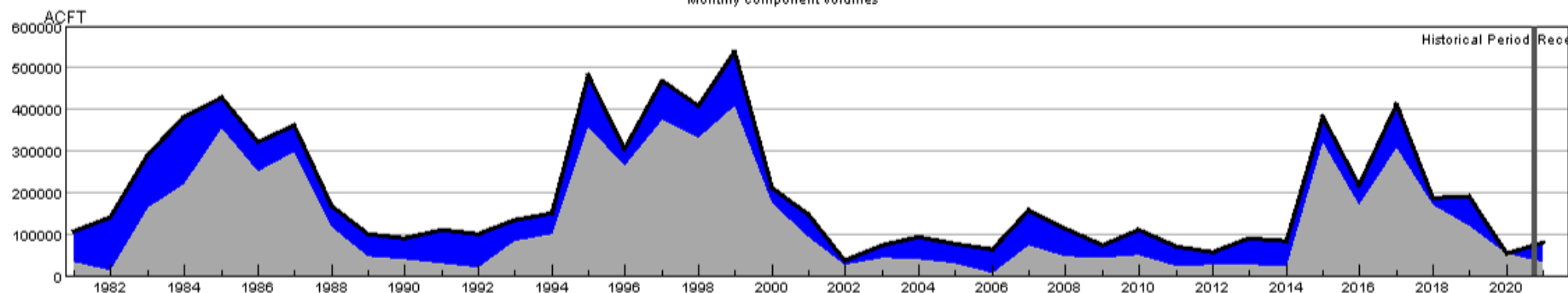
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

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

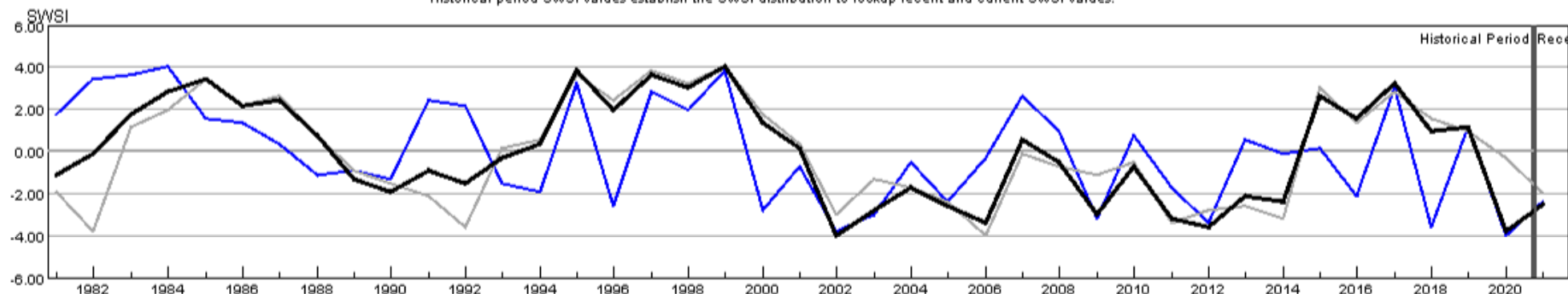
Monthly component volumes



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

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

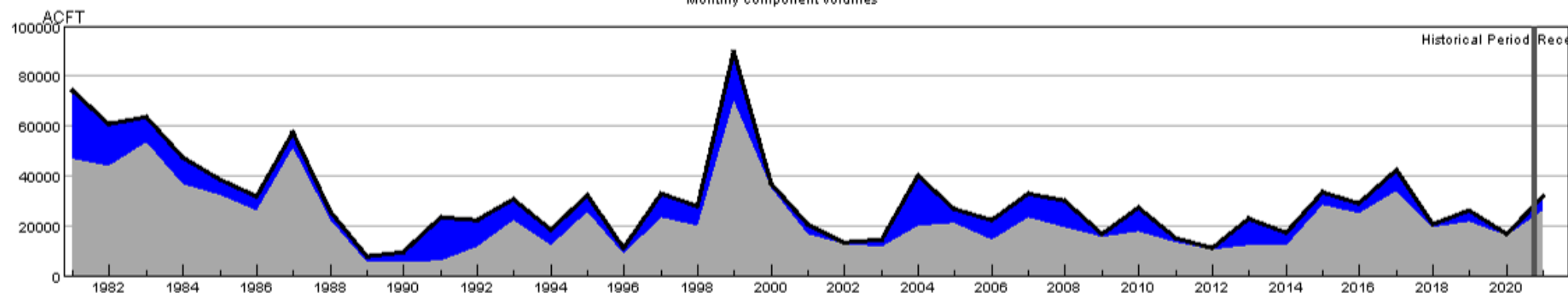
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 11020010 (Purgatoire) Surface Water Supply - SEP

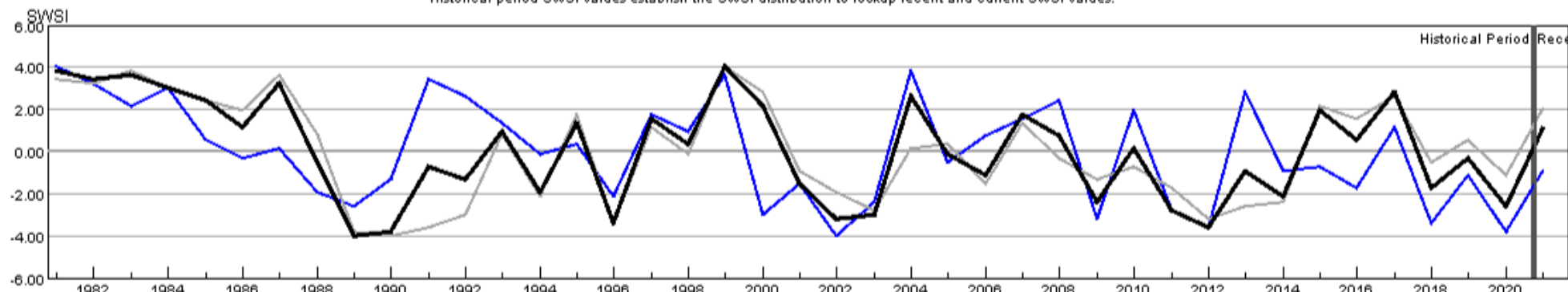
Monthly component volumes



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

HUC 11020010 (Purgatoire) SWSI Values - SEP

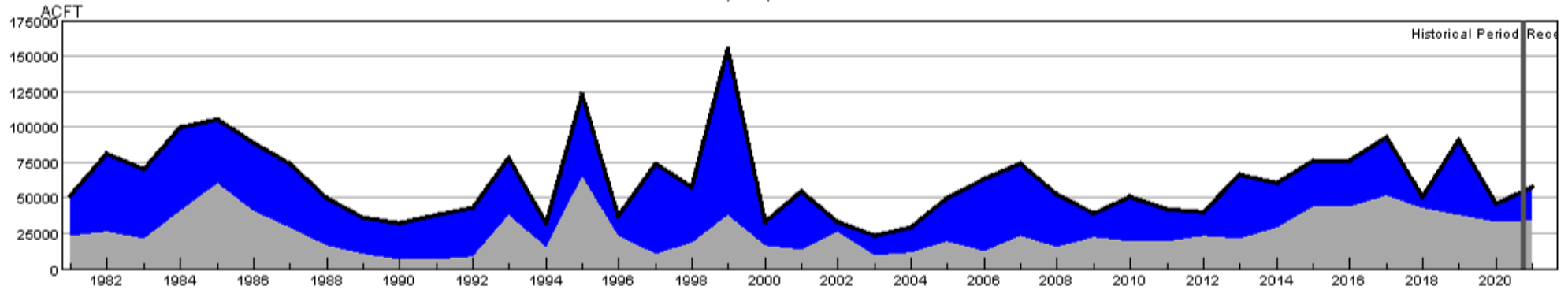
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 13010001 (Rio Grande Headwaters) Surface Water Supply - SEP

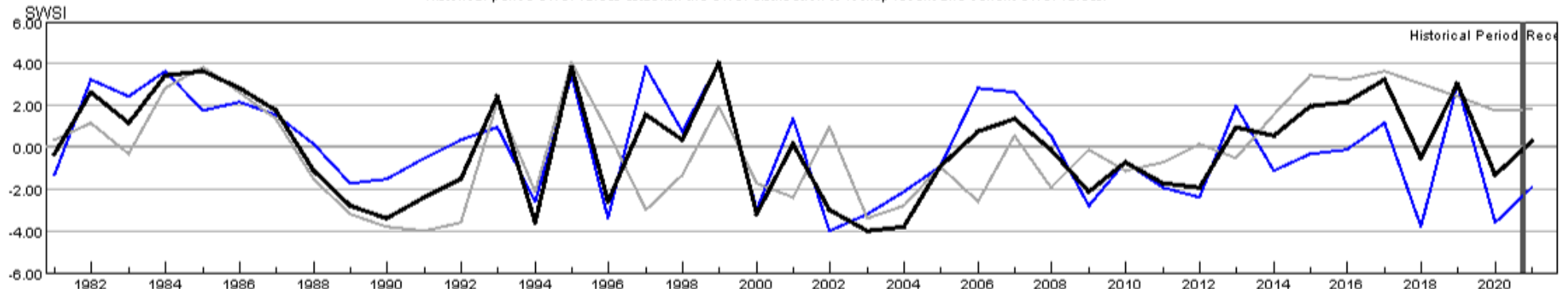
Monthly component volumes



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

HUC 13010001 (Rio Grande Headwaters) SWSI Values - SEP

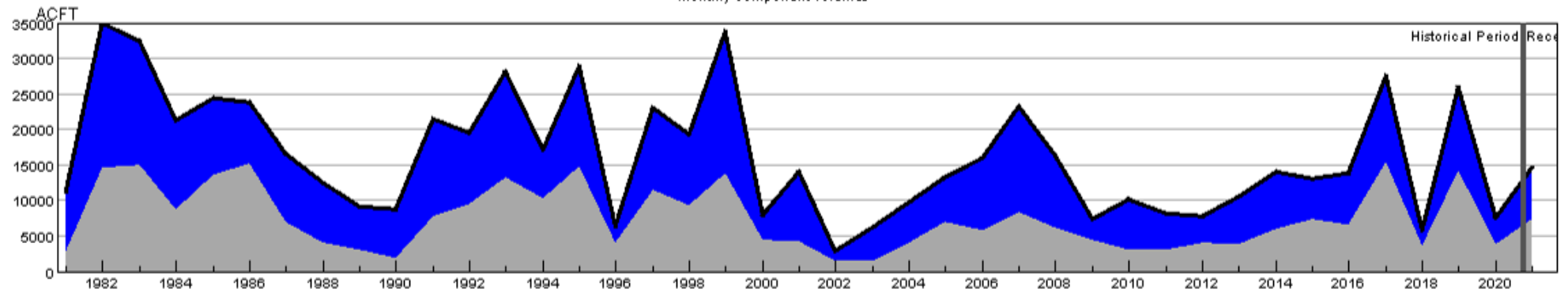
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 13010002 (Alamosa-Trinchera) Surface Water Supply - SEP

Monthly component volumes



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

HUC 13010002 (Alamosa-Trinchera) SWSI Values - SEP

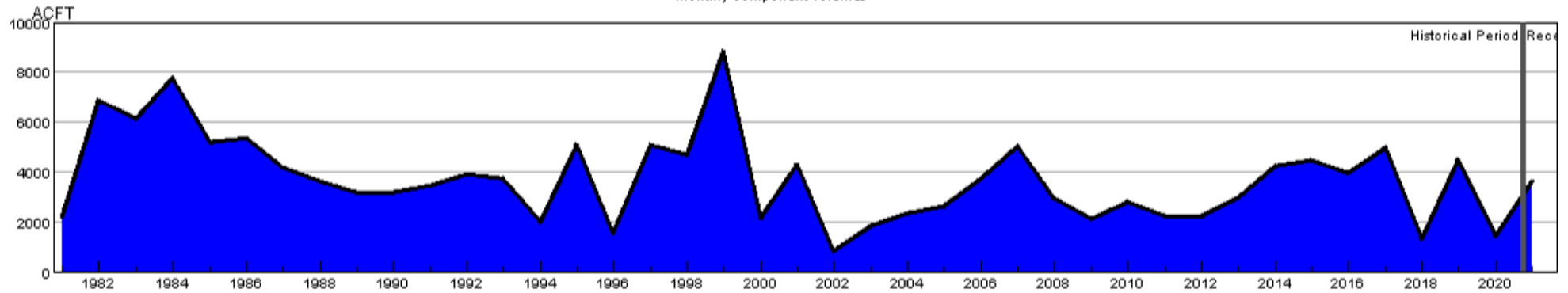
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 13010004 (Saguache) Surface Water Supply - SEP

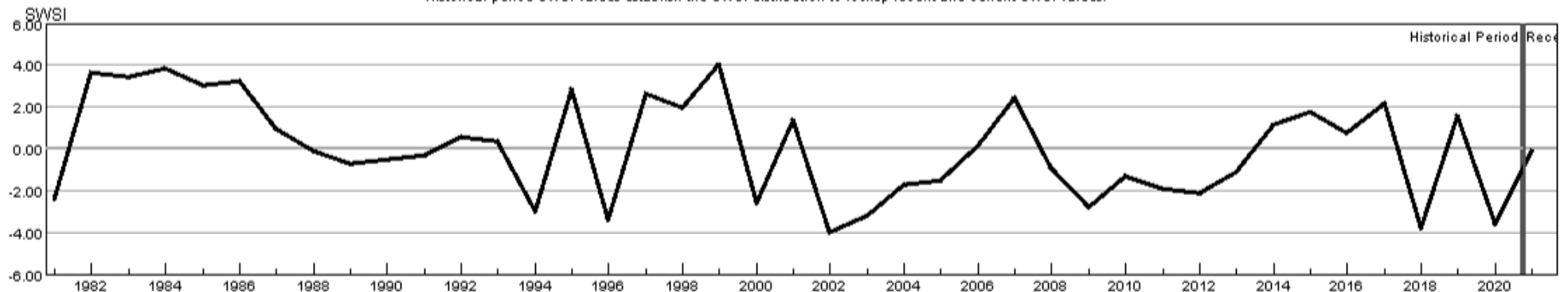
Monthly component volumes



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

HUC 13010004 (Saguache) SWSI Values - SEP

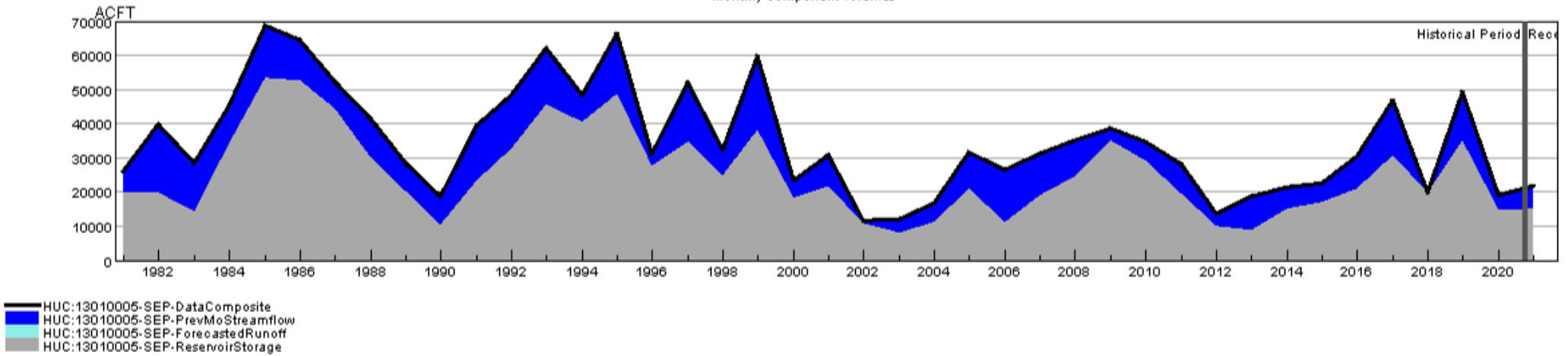
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

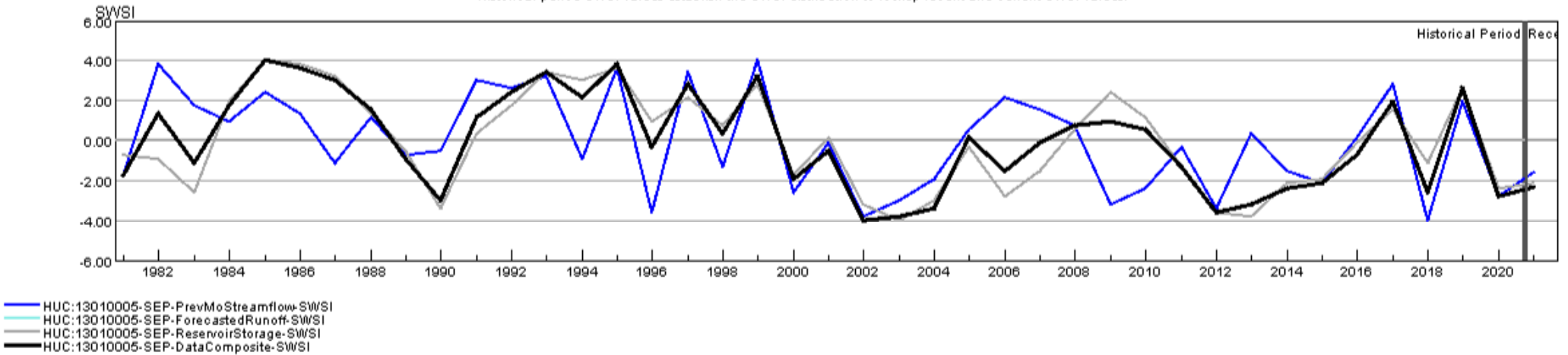
HUC 13010005 (Conejos) Surface Water Supply - SEP

Monthly component volumes



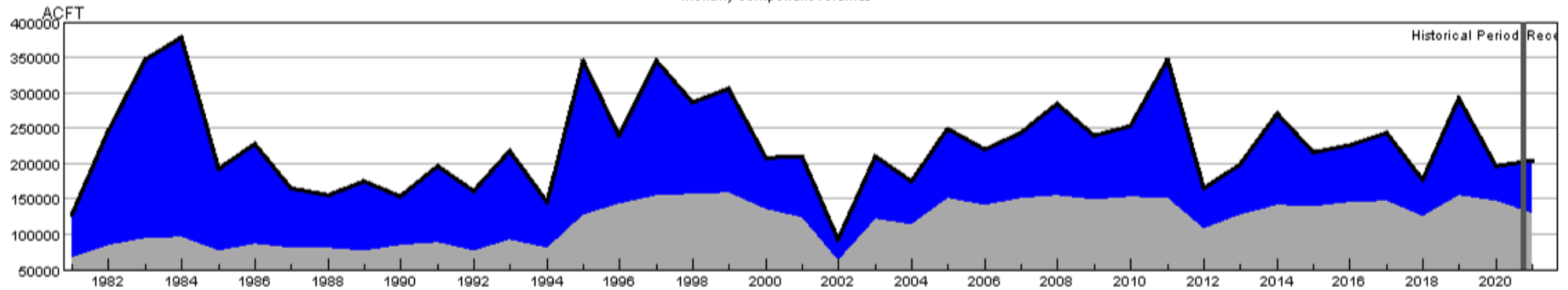
HUC 13010005 (Conejos) SWSI Values - SEP

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



HUC 14010001 (Colorado Headwaters) Surface Water Supply - SEP

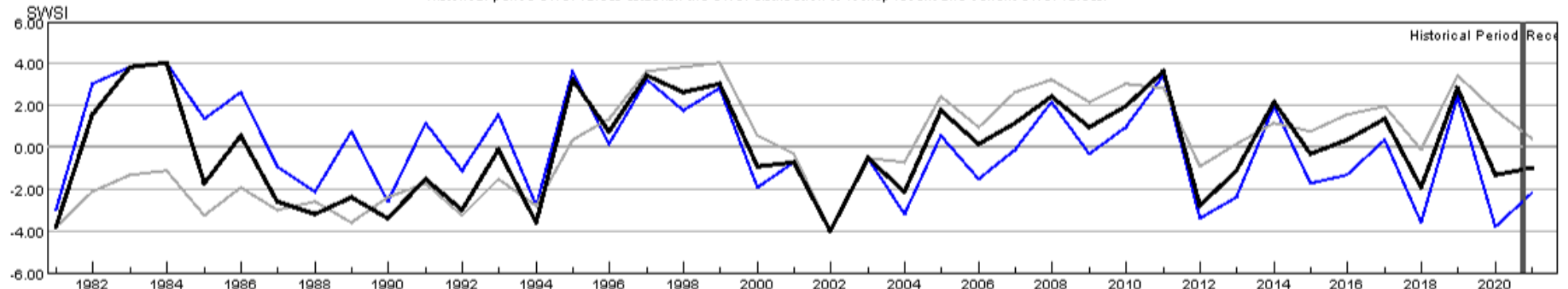
Monthly component volumes



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

HUC 14010001 (Colorado Headwaters) SWSI Values - SEP

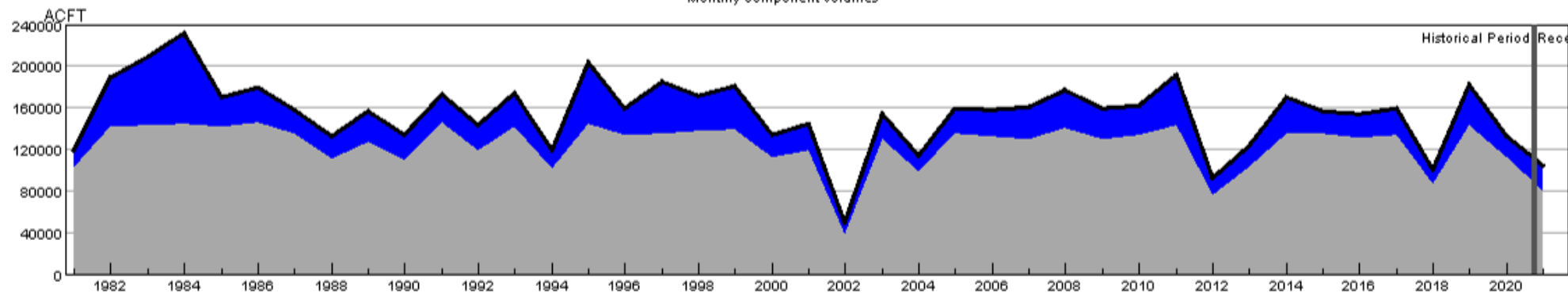
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14010002 (Blue) Surface Water Supply - SEP

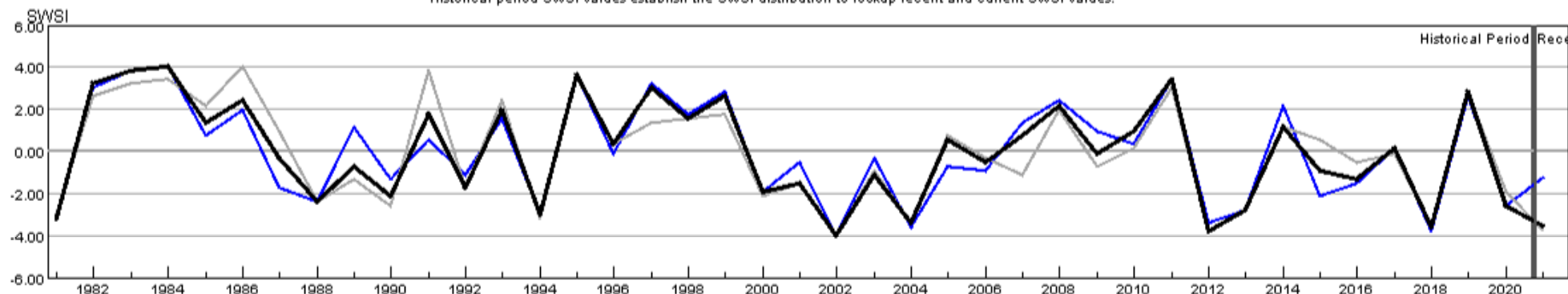
Monthly component volumes



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

HUC 14010002 (Blue) SWSI Values - SEP

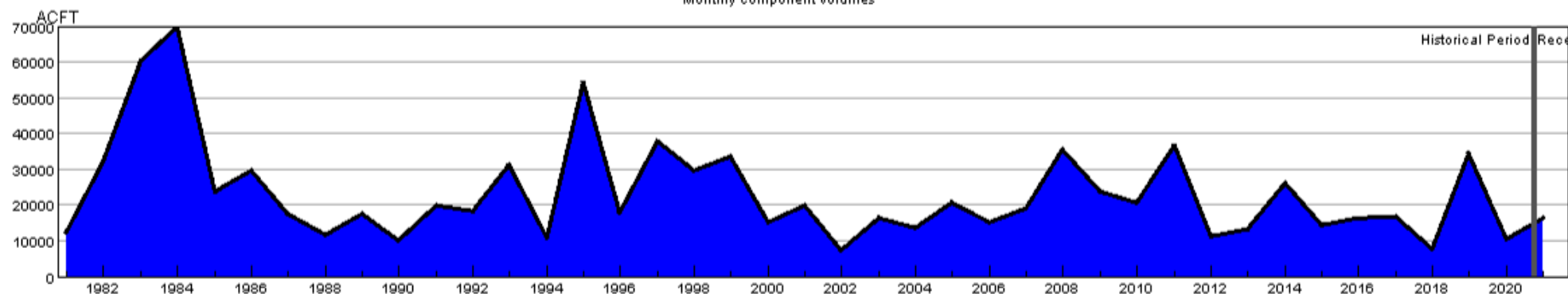
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14010003 (Eagle) Surface Water Supply - SEP

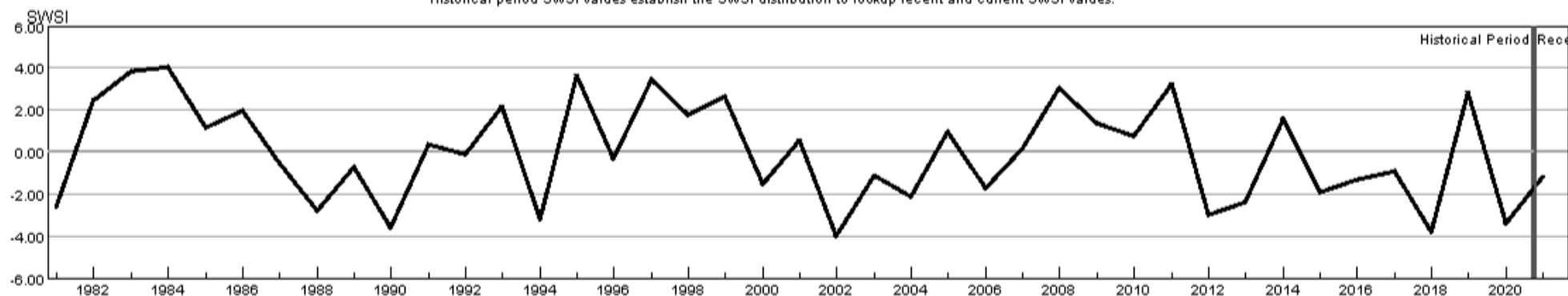
Monthly component volumes



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

HUC 14010003 (Eagle) SWSI Values - SEP

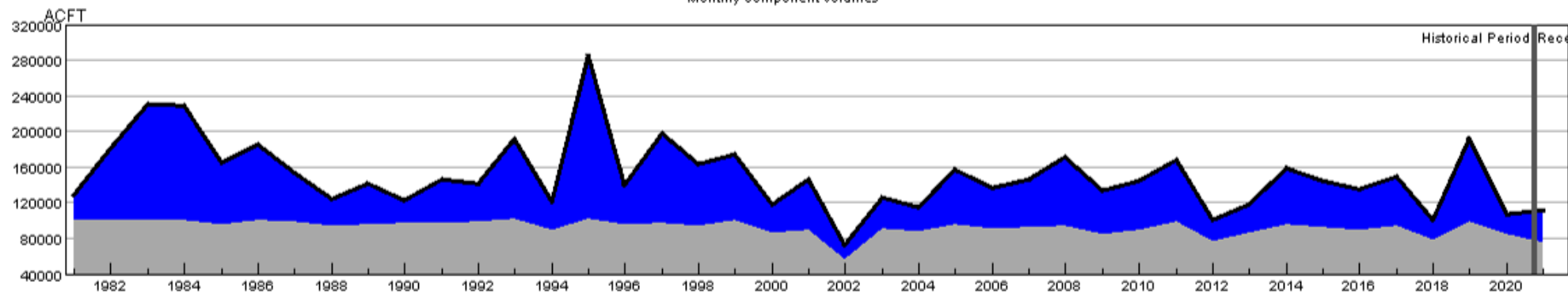
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14010004 (Roaring Fork) Surface Water Supply - SEP

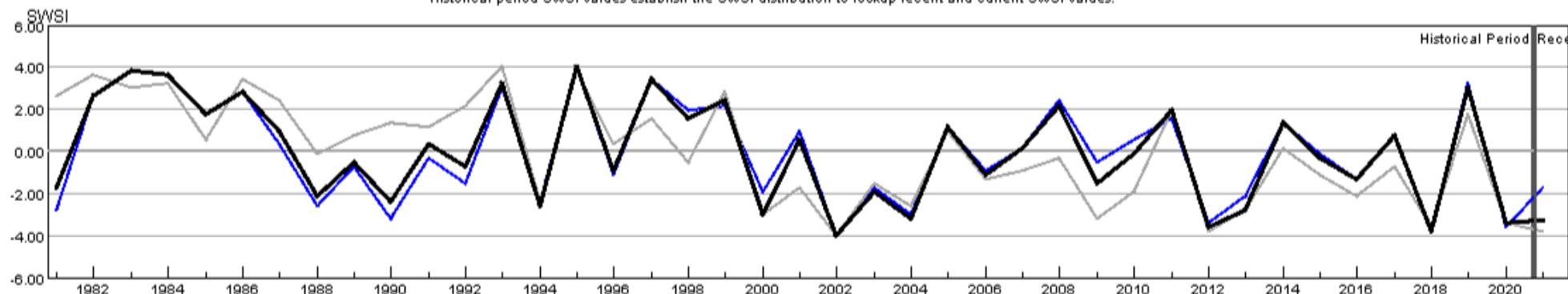
Monthly component volumes



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

HUC 14010004 (Roaring Fork) SWSI Values - SEP

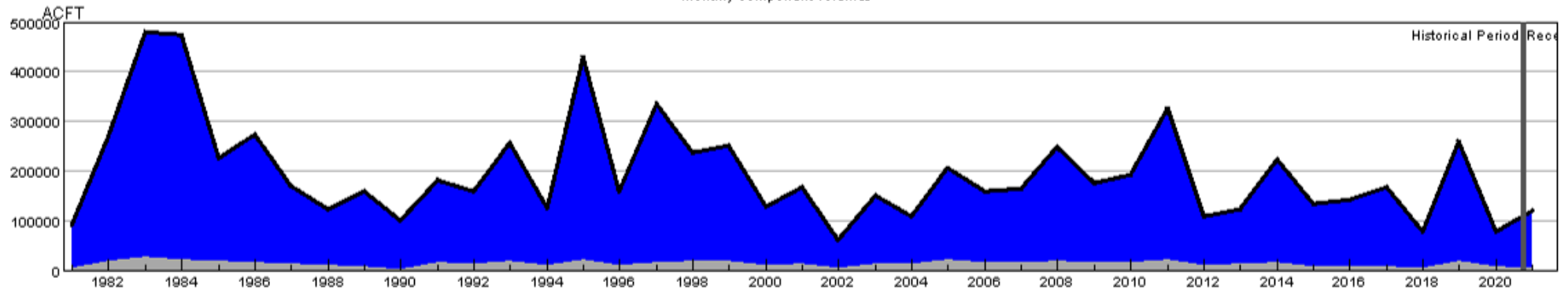
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

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

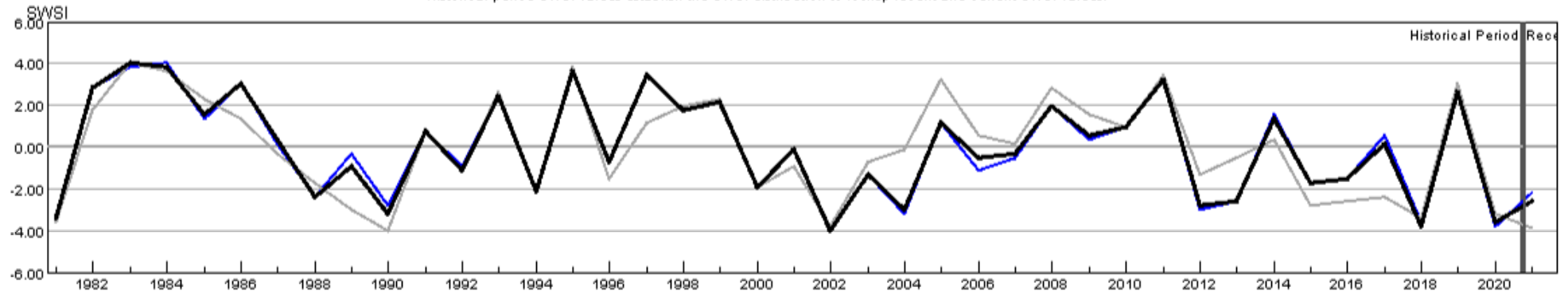
Monthly component volumes



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

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

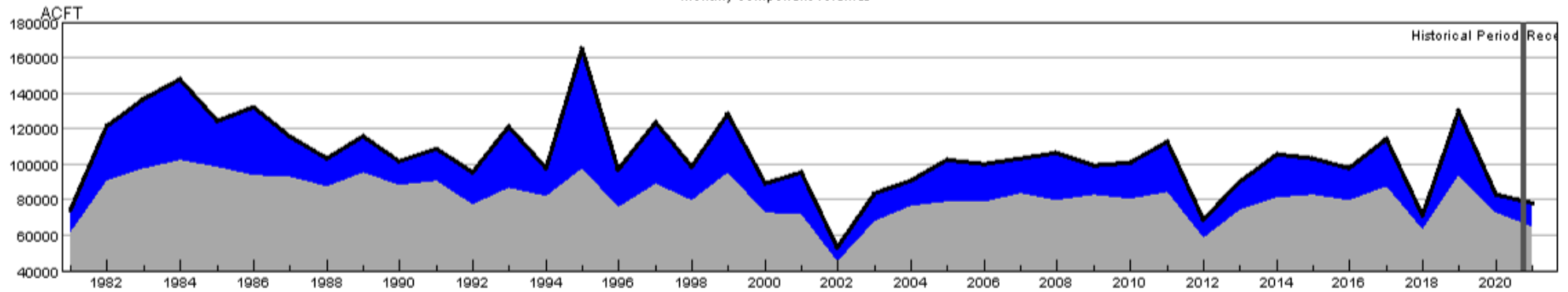
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14020001 (East-Taylor) Surface Water Supply - SEP

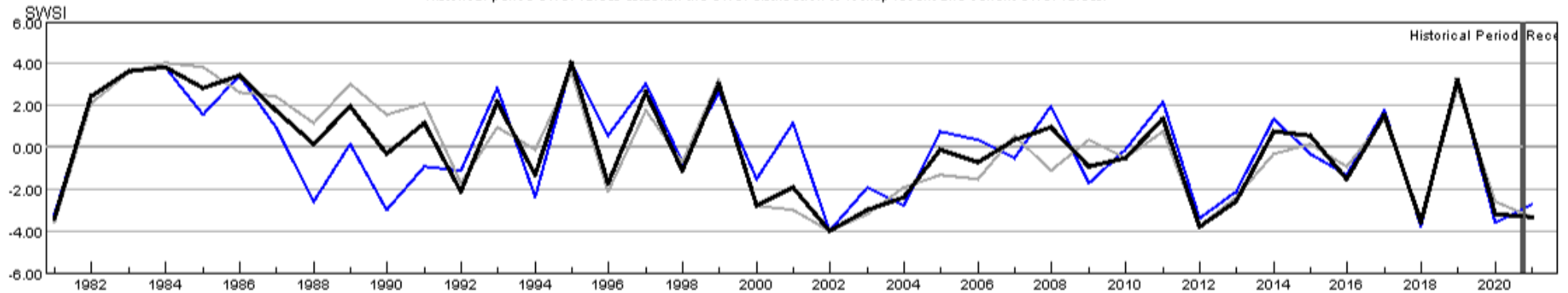
Monthly component volumes



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

HUC 14020001 (East-Taylor) SWSI Values - SEP

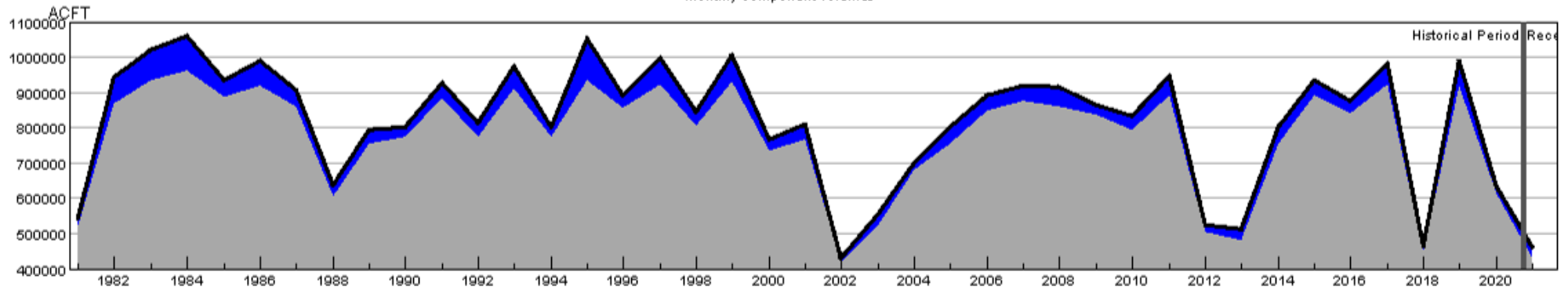
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14020002 (Upper Gunnison) Surface Water Supply - SEP

Monthly component volumes



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

HUC 14020002 (Upper Gunnison) SWSI Values - SEP

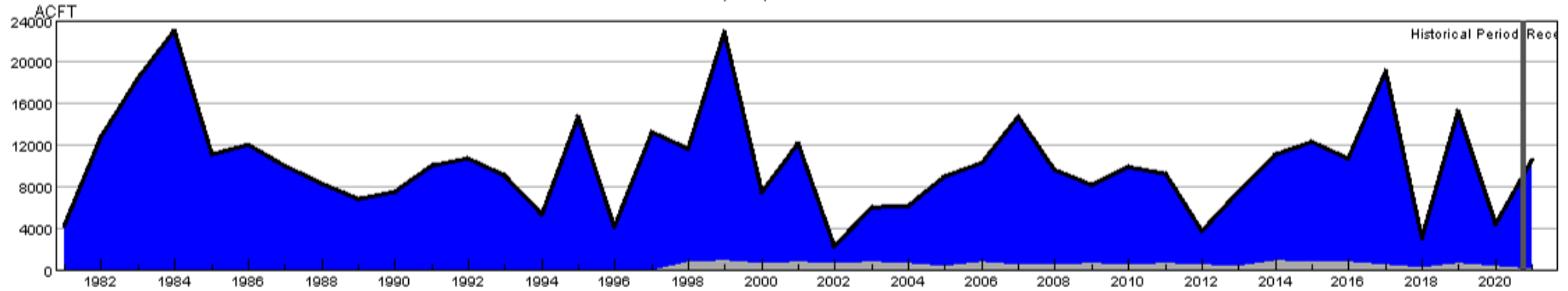
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14020003 (Tomichi) Surface Water Supply - SEP

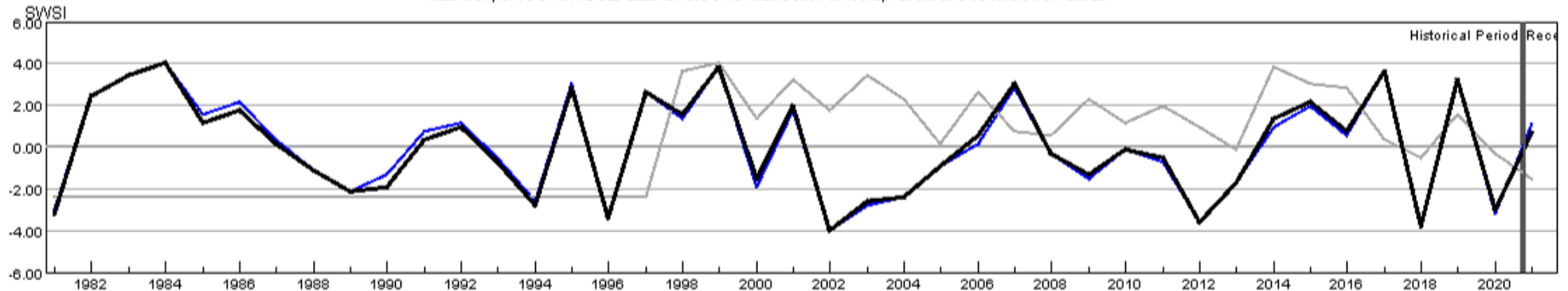
Monthly component volumes



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

HUC 14020003 (Tomichi) SWSI Values - SEP

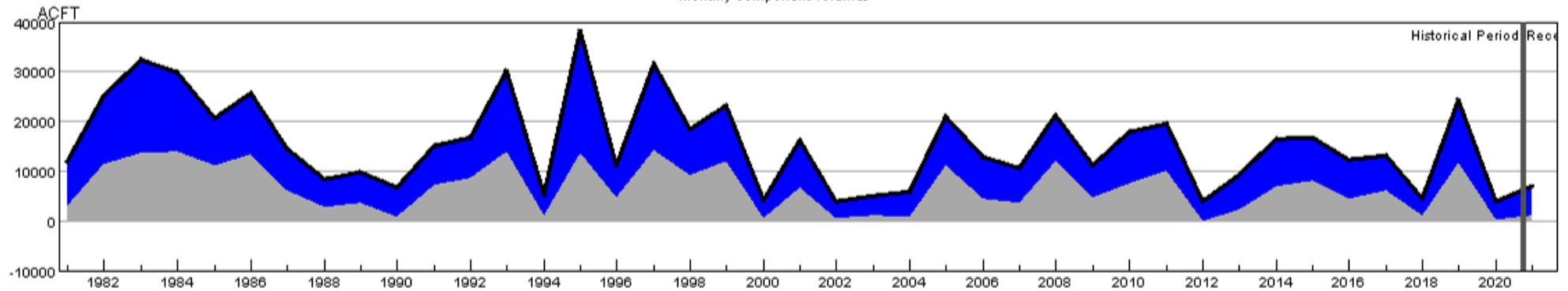
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

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

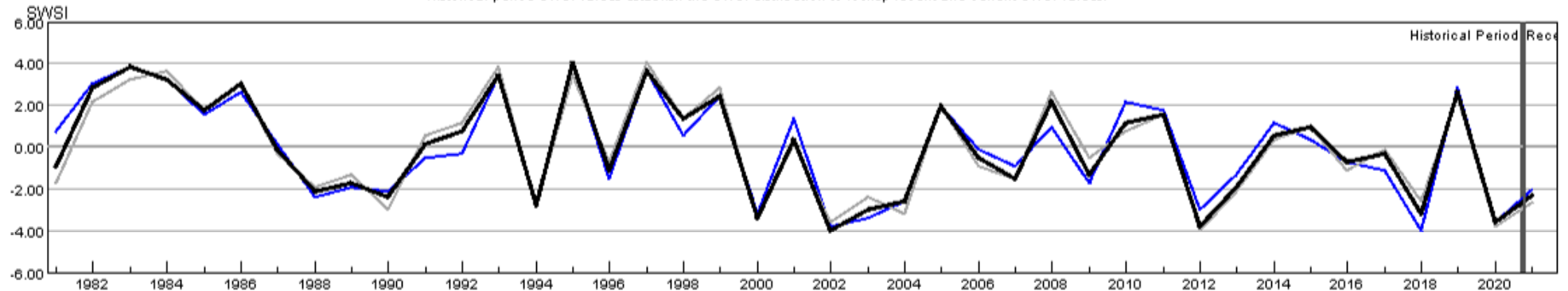
Monthly component volumes



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

HUC 14020004 (North Fork Gunnison) SWSI Values - SEP

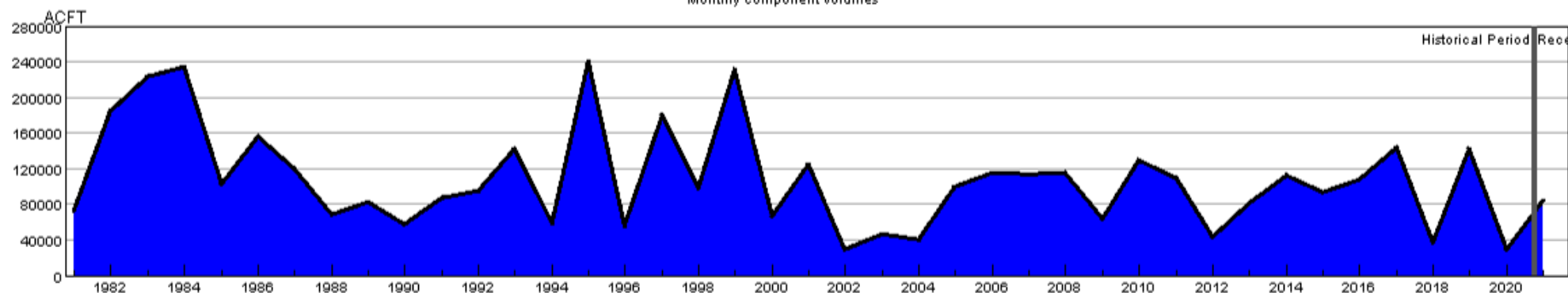
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14020005 (Lower Gunnison) Surface Water Supply - SEP

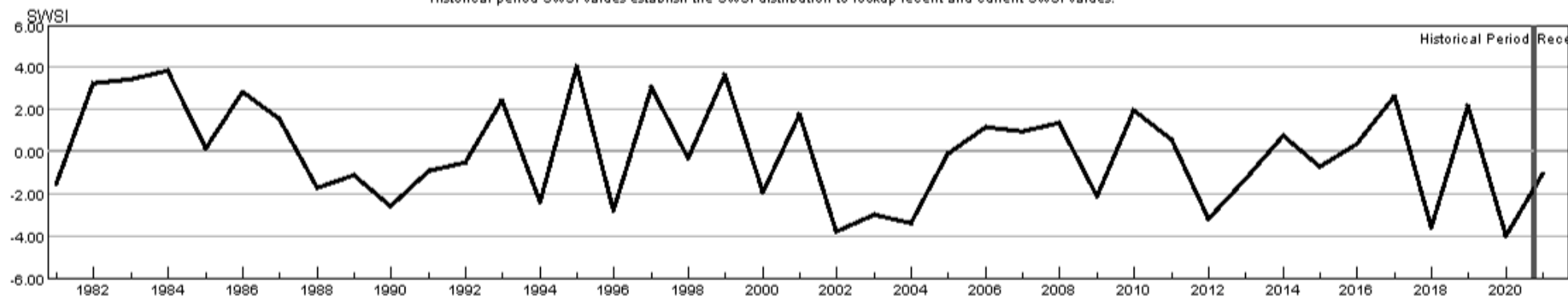
Monthly component volumes



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

HUC 14020005 (Lower Gunnison) SWSI Values - SEP

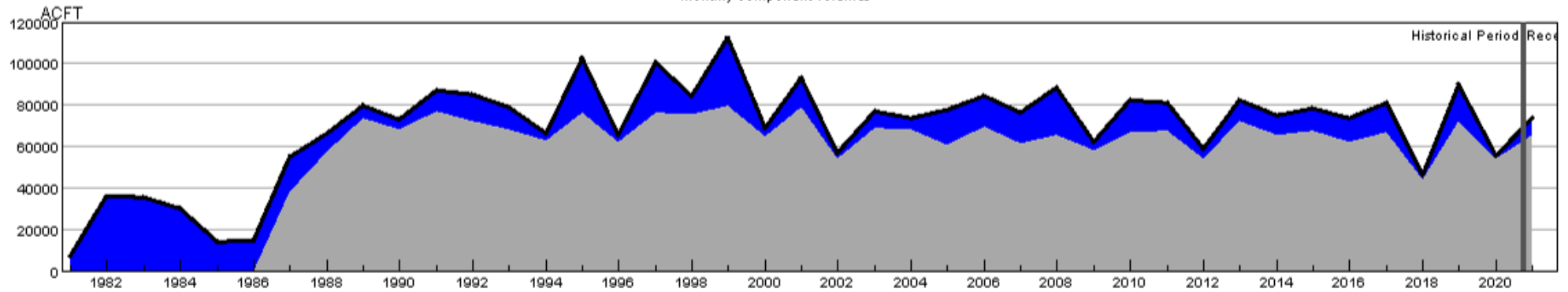
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14020006 (Uncompahgre) Surface Water Supply - SEP

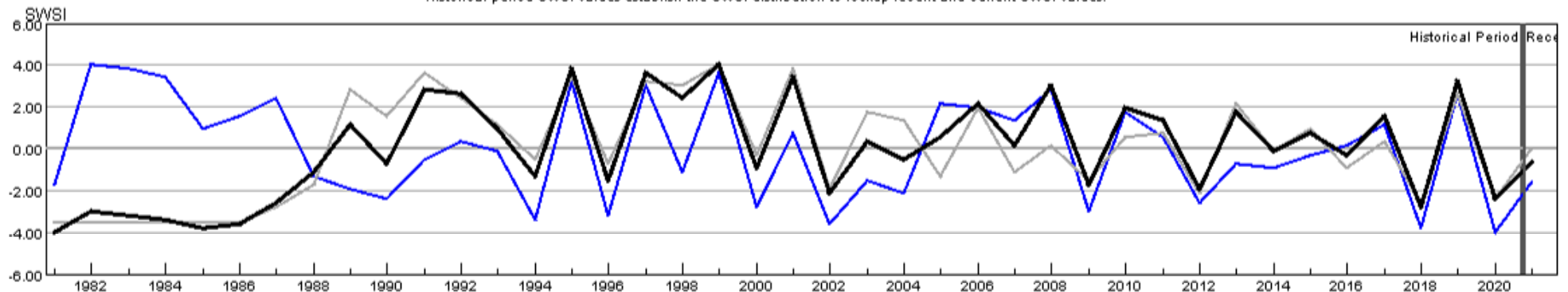
Monthly component volumes



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

HUC 14020006 (Uncompahgre) SWSI Values - SEP

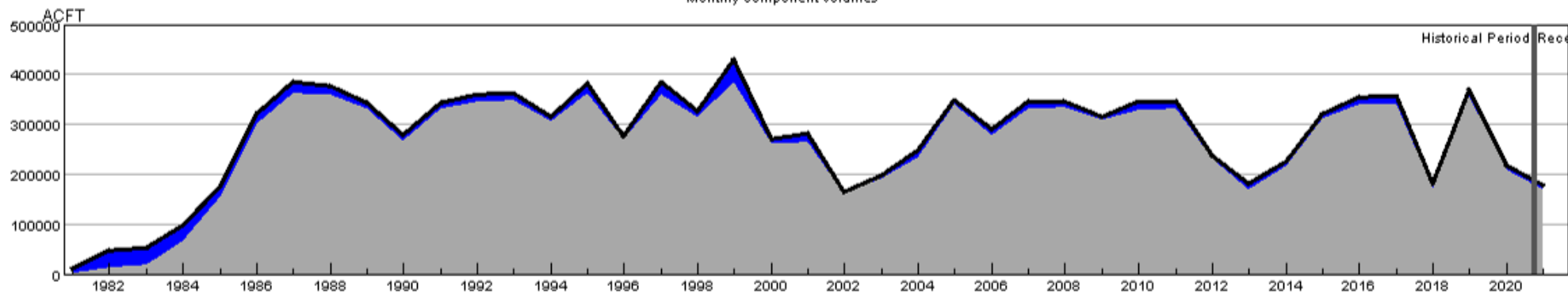
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14030002 (Upper Dolores) Surface Water Supply - SEP

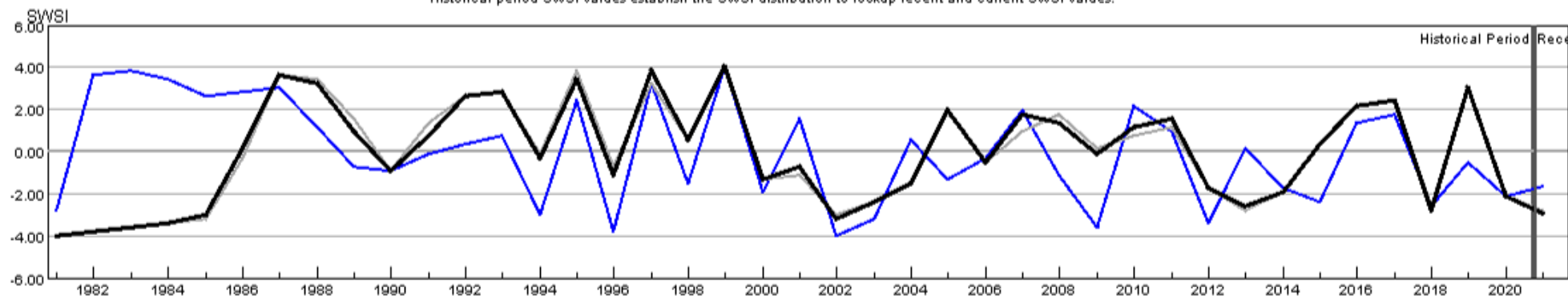
Monthly component volumes



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

HUC 14030002 (Upper Dolores) SWSI Values - SEP

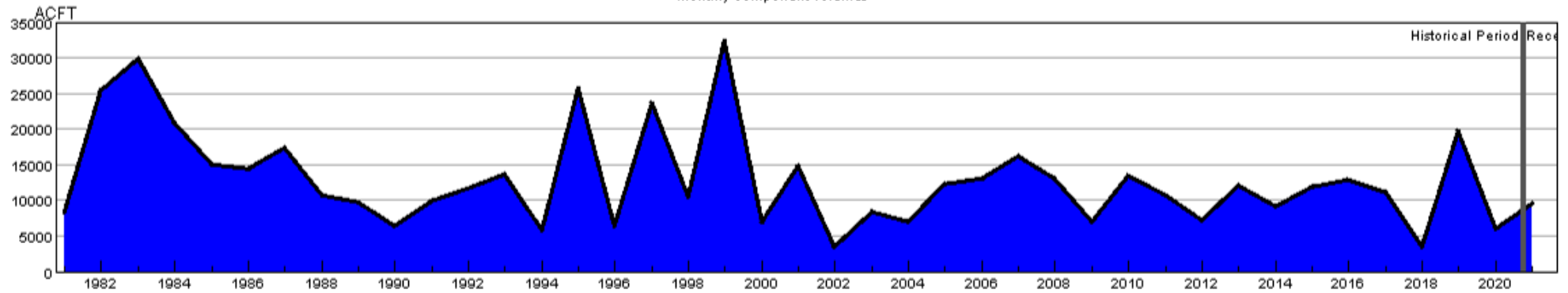
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14030003 (San Miguel) Surface Water Supply - SEP

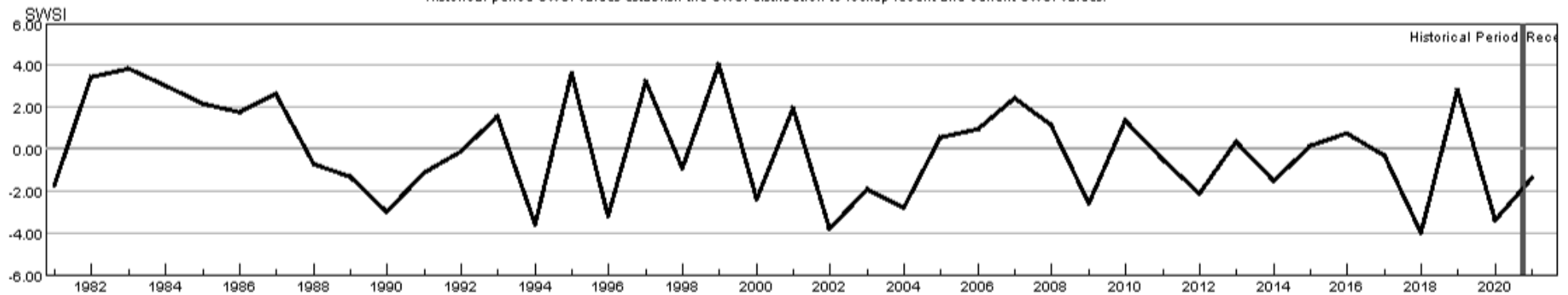
Monthly component volumes



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

HUC 14030003 (San Miguel) SWSI Values - SEP

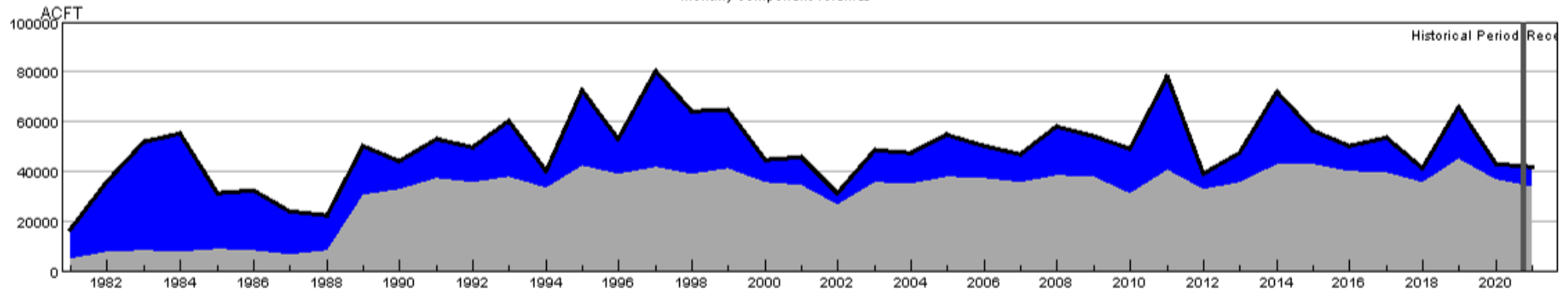
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14050001 (Upper Yampa) Surface Water Supply - SEP

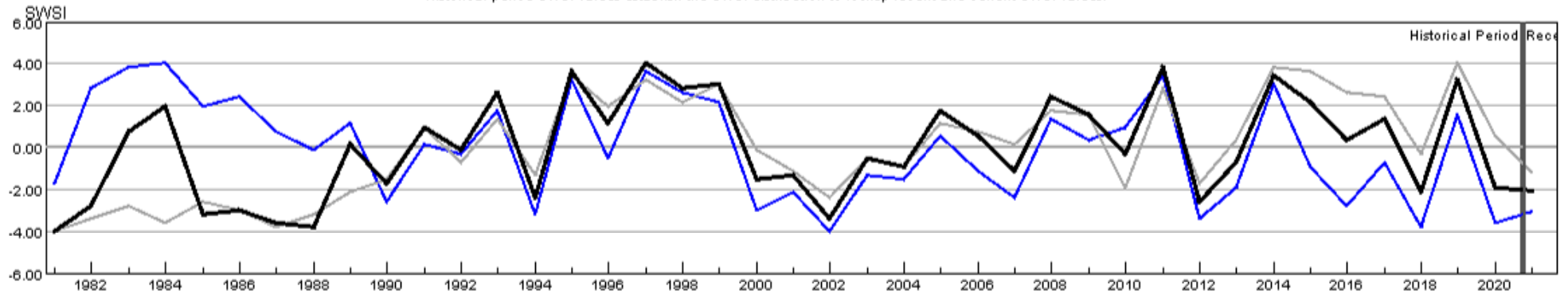
Monthly component volumes



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

HUC 14050001 (Upper Yampa) SWSI Values - SEP

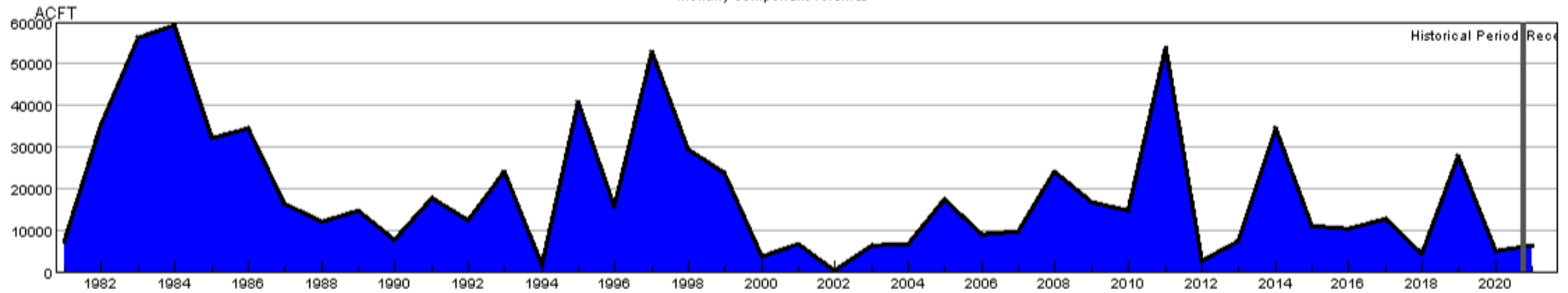
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14050002 (Lower Yampa) Surface Water Supply - SEP

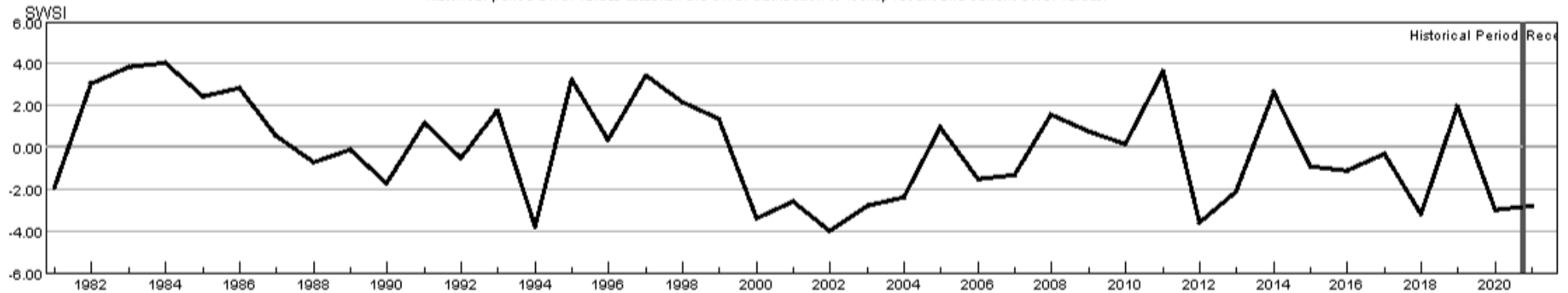
Monthly component volumes



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

HUC 14050002 (Lower Yampa) SWSI Values - SEP

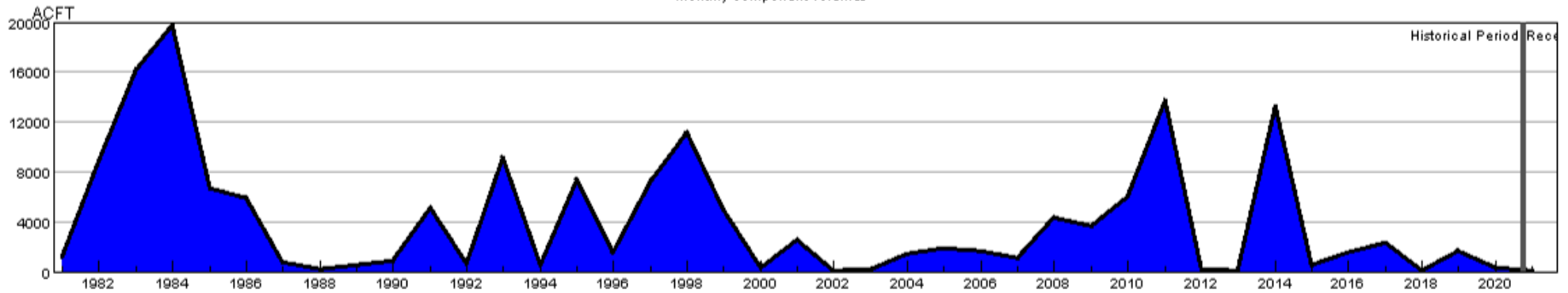
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14050003 (Little Snake) Surface Water Supply - SEP

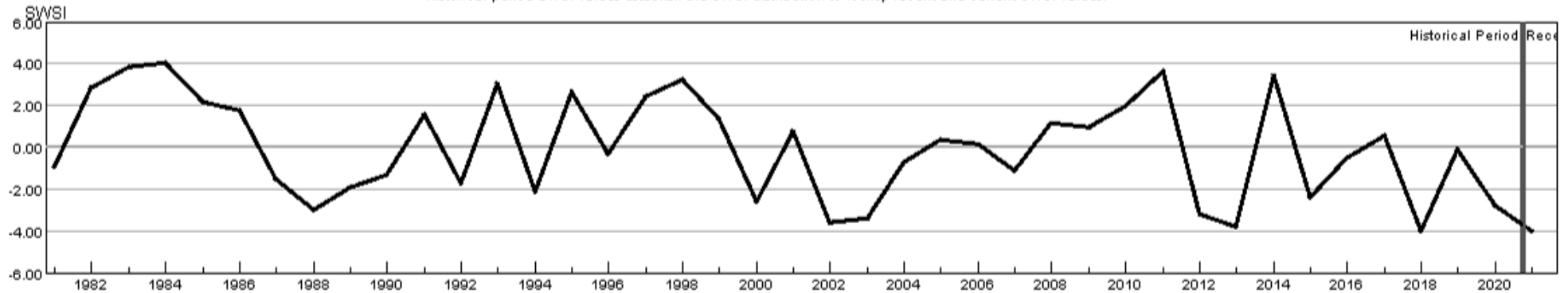
Monthly component volumes



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

HUC 14050003 (Little Snake) SWSI Values - SEP

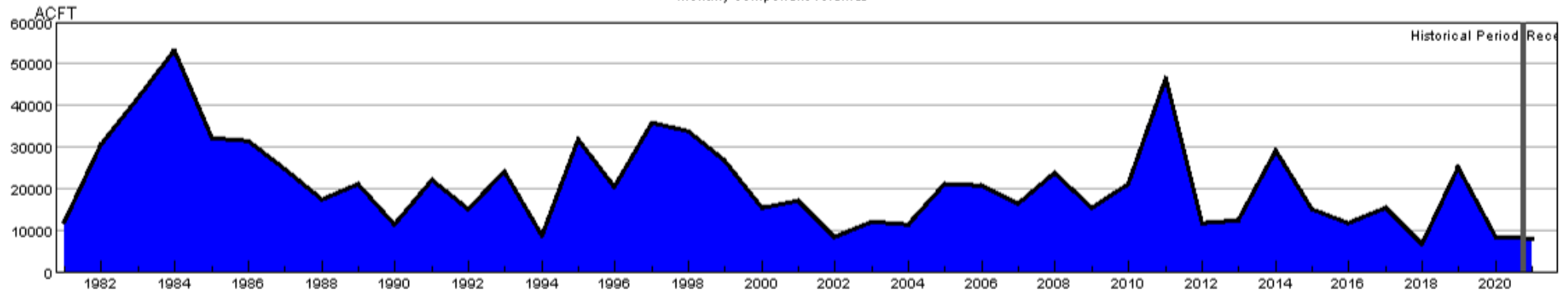
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14050005 (Upper White) Surface Water Supply - SEP

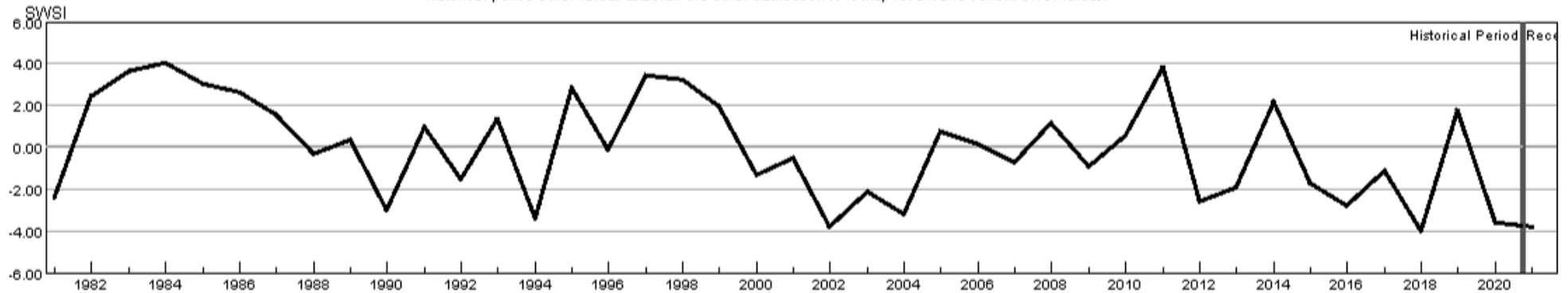
Monthly component volumes



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

HUC 14050005 (Upper White) SWSI Values - SEP

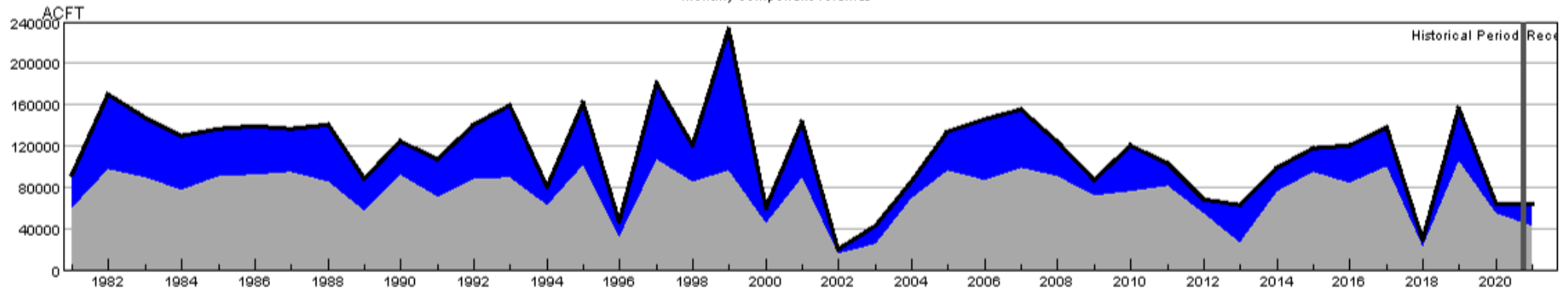
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14080101 (Upper San Juan) Surface Water Supply - SEP

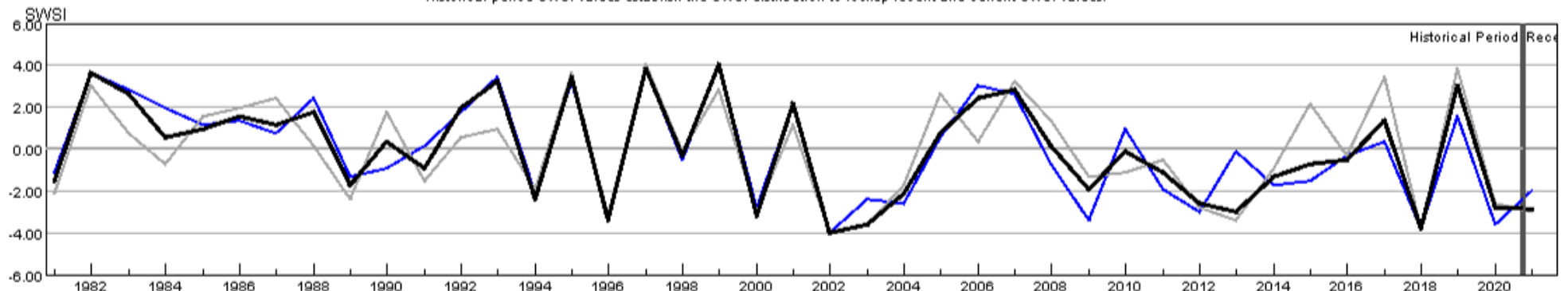
Monthly component volumes



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

HUC 14080101 (Upper San Juan) SWSI Values - SEP

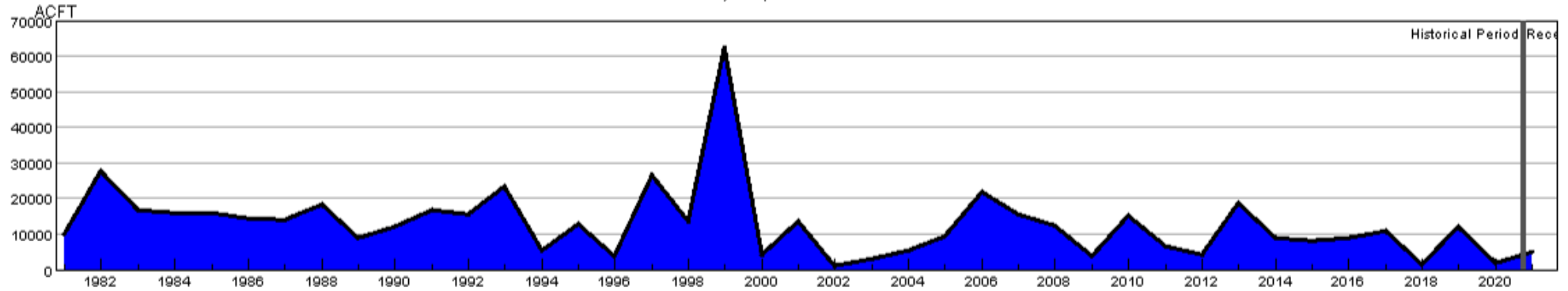
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14080102 (Piedra) Surface Water Supply - SEP

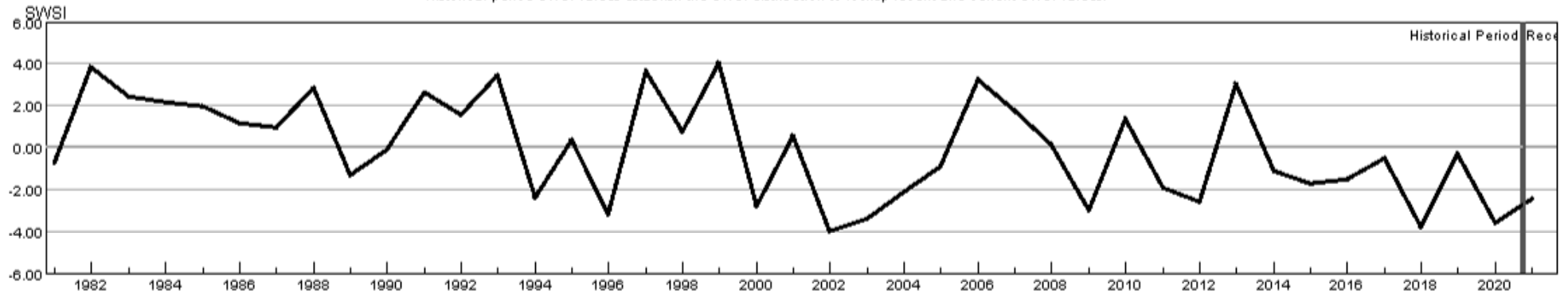
Monthly component volumes



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

HUC 14080102 (Piedra) SWSI Values - SEP

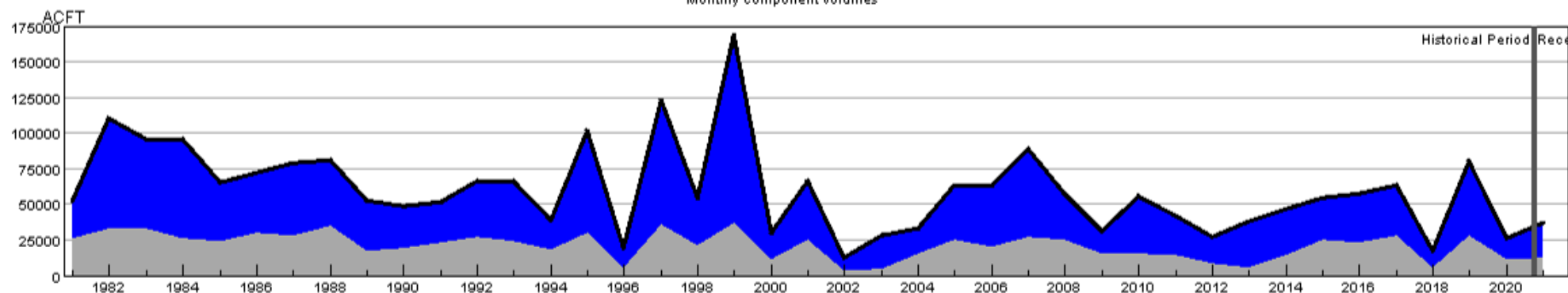
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14080104 (Animas) Surface Water Supply - SEP

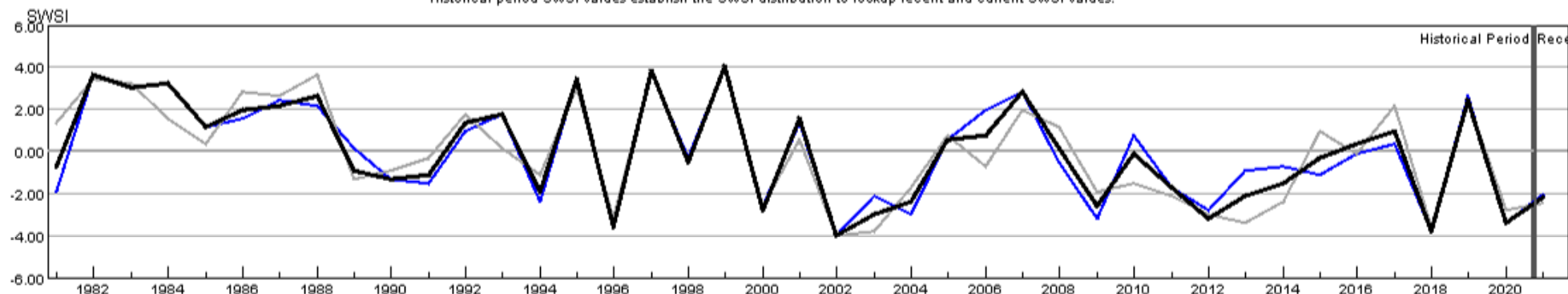
Monthly component volumes



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

HUC 14080104 (Animas) SWSI Values - SEP

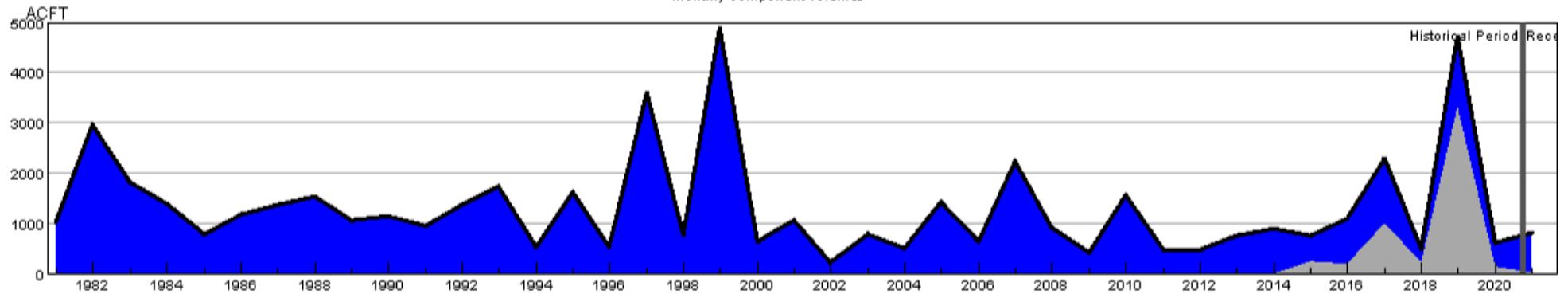
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14080105 (Middle San Juan) Surface Water Supply - SEP

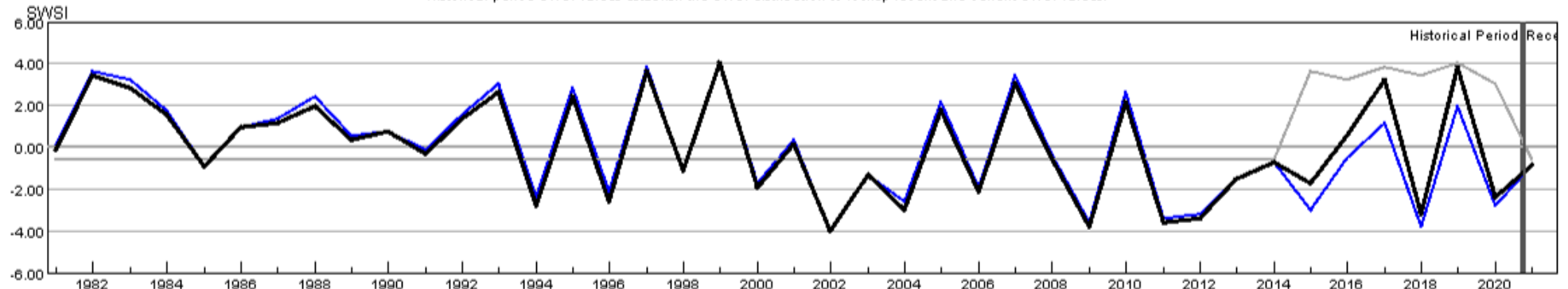
Monthly component volumes



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

HUC 14080105 (Middle San Juan) SWSI Values - SEP

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



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