
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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April 1, 2020

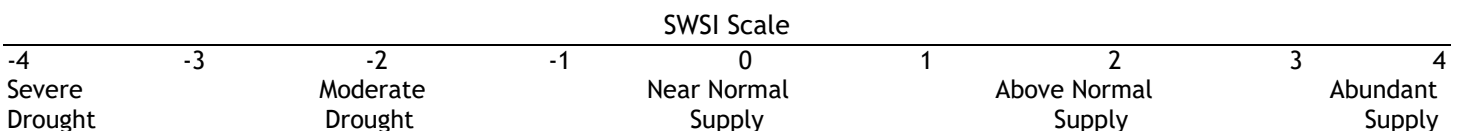
The Surface Water Supply Index (SWSI) is used as an indicator of water supply conditions in the seven major river basins of the state and in each of the 41 smaller watersheds, or HUCs. The Colorado Water Conservation Board (CWCB) completed a major revision to the Colorado Drought Plan in 2010. At that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

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

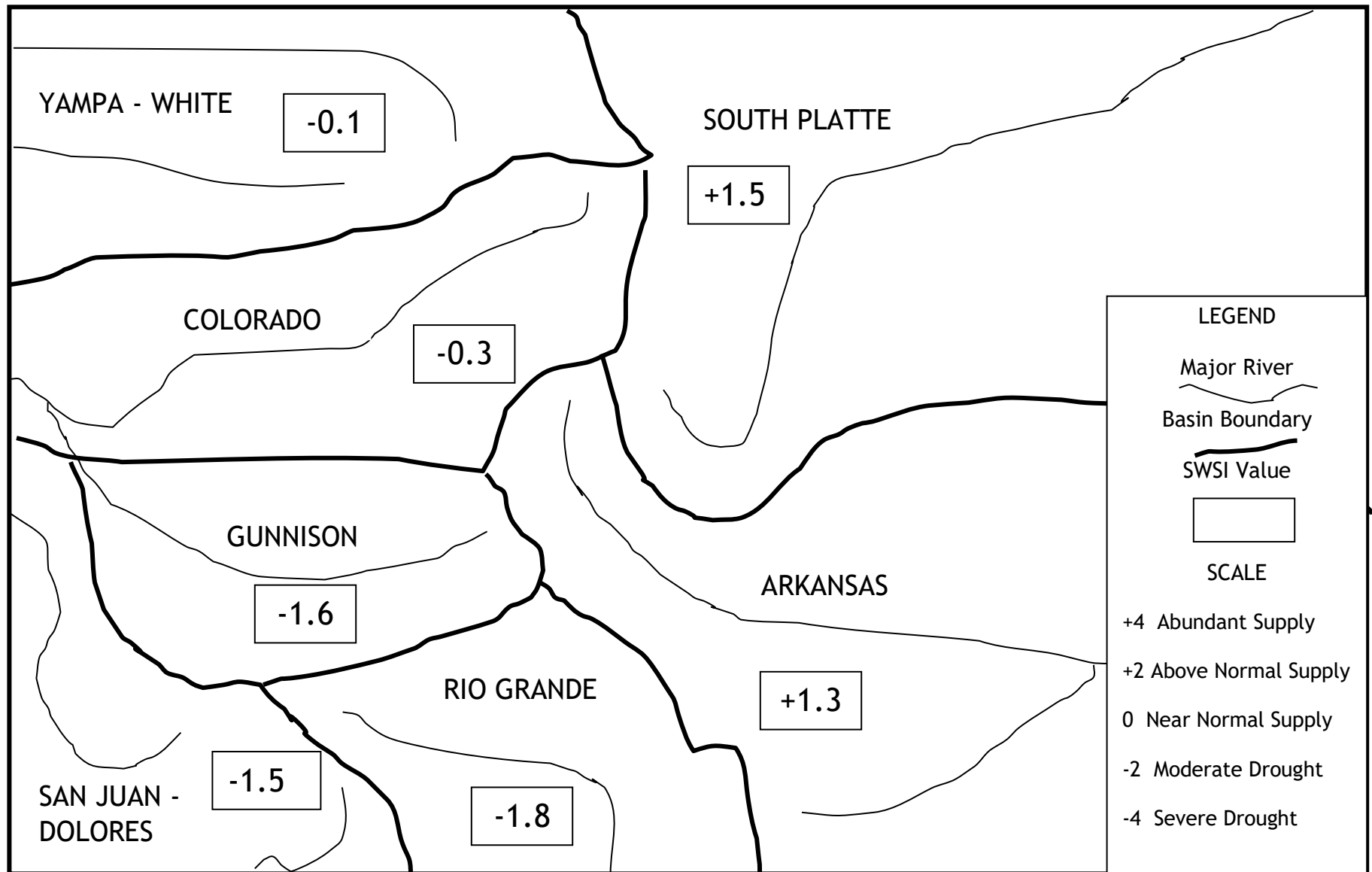
In 2015, CWCB and the Division of Water Resources (DWR) (both Divisions of the Colorado Department of Natural Resources) completed a software project to implement an automated calculation of the SWSI and to document the underlying hydrologic data. July 1, 2015 was the first month that the automated DNR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

The SWSI calculation for the winter/spring season (January 1 to June 1) is based on reservoir storage at the end of last month, in this case March 31, plus the forecasted streamflow runoff volume for the runoff season (April through September in most basins). The following SWSI values were computed for each of the seven major basins for April 1, 2020. Water supply conditions vary across the state from above normal to below normal in the Gunnison, Rio Grande and San Juan-Dolores basins. Storage varies statewide, from above average to below average, and snowpack is average to below average, resulting in streamflow forecasts that are normal to below normal in every basin.

Basin	April 1 SWSI	Change from Previous Month	Change from Previous Year
Arkansas	1.3	-0.1	-0.4
Colorado	-0.3	-0.6	-2.8
Gunnison	-1.6	0.0	-4.2
Rio Grande	-1.8	0.0	-4.6
San Juan-Dolores	-1.5	0.1	-3.4
South Platte	1.5	-0.1	0.3
Yampa-White	-0.1	-0.1	-0.5



SURFACE WATER SUPPLY INDEX FOR COLORADO BY MAJOR RIVER BASIN



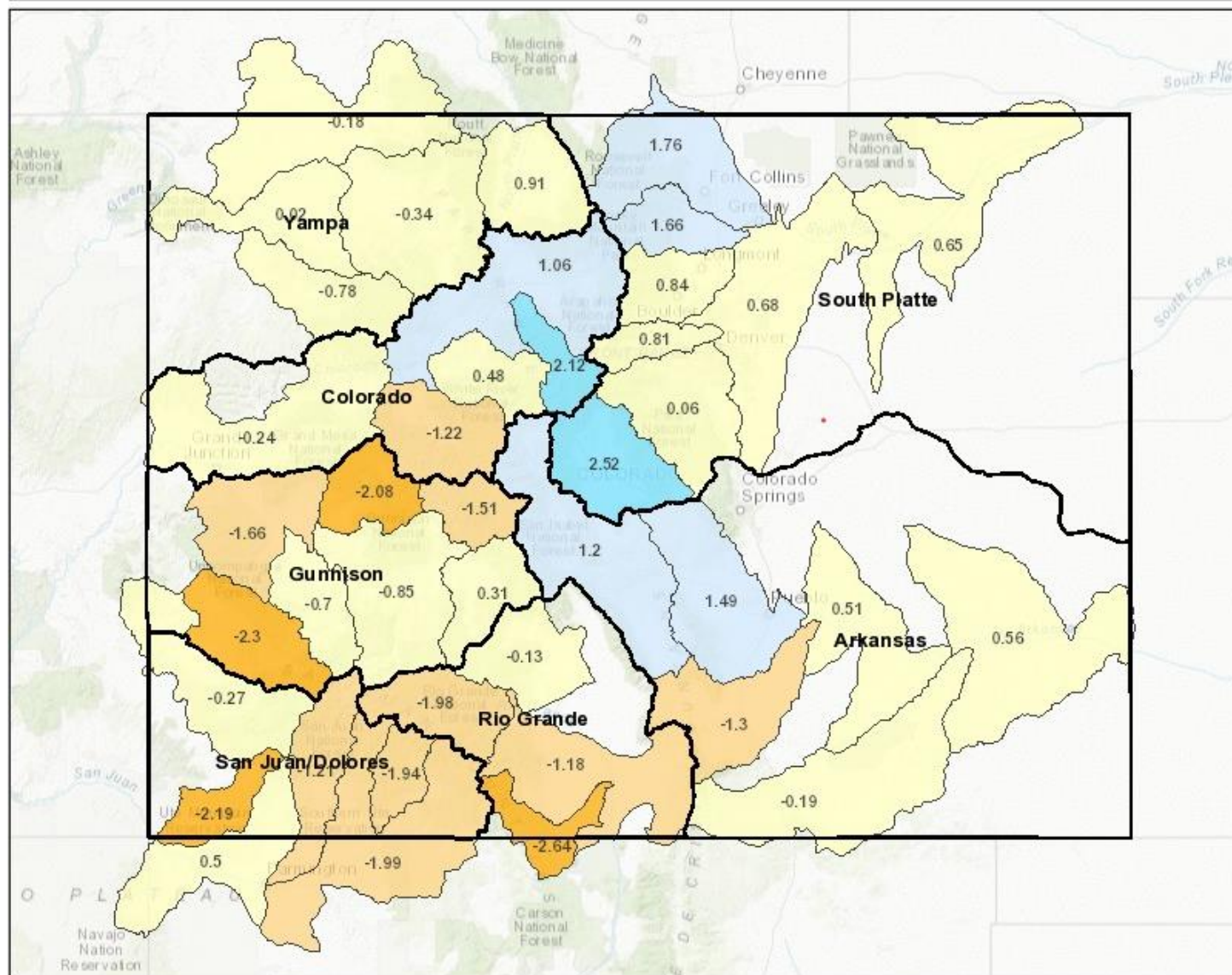
April 1, 2020

SURFACE WATER SUPPLY INDEX FOR COLORADO BY HUC



COLORADO
Division of Water Resources
Department of Natural Resources

April 1, 2020 SWSI



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

113.39 0 56.7 113.39 Miles

1: 3,592,221



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

Date Prepared: 4/21/2020 8:38:23 AM

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

Basin	HUC ID	HUC Name	SWSI	Reservoir Storage NEP	Forecast Flow NEP	Total Vol (AF)
Arkansas	11020006	Huerfano	-1.30	71	42	19,100
	11020010	Purgatoire	-0.19	77	45	64,330
	11020001	Arkansas Headwaters	1.21	68	61	394,371
	11020005	Upper Arkansas-Lake Meredith	0.52	14	54	397,304
	11020009	Upper Arkansas-John Martin Reservoir	0.56	71	54	564,547
	11020002	Upper Arkansas	1.50	59	55	593,700
Colorado	14010003	Eagle	0.49	92	56	340,000
	14010002	Blue	2.12	60	68	372,434
	14010004	Roaring Fork	-1.22	N/A	35	653,265
	14010001	Colorado Headwaters	1.06	87	59	1,605,250
	14010005	Colorado Headwaters-Plateau	-0.25	60	47	2,245,247
Gunnison	14020003	Tomichi	0.32	84	54	63,340
	14030003	San Miguel	-2.30	74	22	87,000
	14020006	Uncompahgre	-0.71	60	30	161,974
	14020004	North Fork Gunnison	-2.08	99	22	196,627
	14020001	East-Taylor	-1.51	N/A	27	287,384
	14020005	Lower Gunnison	-1.67	61	30	1,000,000
	14020002	Upper Gunnison	-0.85	N/A	30	1,249,739
Rio Grande	13010004	Saguache	-0.14	79	48	28,000
	13010002	Alamosa-Trinchera	-1.18	74	35	110,496
	13010005	Conejos	-2.64	N/A	21	143,447
	13010001	Rio Grande Headwaters	-1.98	48	27	397,402
San Juan-Dolores	14080105	Middle San Juan	0.51	63	40	23,088
	14080107	Mancos	-2.19	97	26	23,928
	14080102	Piedra	-1.94	N/A	27	140,000
	14080104	Animas	-1.22	29	35	387,745
	14080101	Upper San Juan	-1.99	50	25	458,514
	14030002	Upper Dolores	-0.27	24	29	496,795
South Platte	10190004	Clear	0.81	89	60	111,000
	10190001	South Platte Headwater	2.52	53	63	215,100
	10190005	St. Vrain	0.85	70	58	239,339
	10190002	Upper South Platte	0.07	N/A	60	446,756
	10190007	Cache La Poudre	1.76	74	62	450,008
	10190006	Big Thompson	1.67	71	57	576,530
	10190003	Middle South Platte-Cherry Creek	0.69	96	55	907,400
	10190012	Middle South Platte-Sterling	0.65	86	55	1,036,600
Yampa-White	14050005	Upper White	-0.79	N/A	41	250,000
	10180001	North Platte Headwaters	0.92	99	61	265,000
	14050003	Little Snake	-0.19	N/A	48	350,000
	14050001	Upper Yampa	-0.34	N/A	45	754,189
	14050002	Lower Yampa	0.03	N/A	50	1,010,000

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)
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April 1, 2020 SWSI Component Information - Streamflow Forecast & Reservoir Storage - By HUC

HUC ID	HUC Name	Component Name	Component Volume (AF)	Component NEP for Month
11020001	Arkansas Headwaters	CLEAR CREEK RESERVOIR	8,188	66
		HOMESTAKE RESERVOIR	41,203	98
		TWIN LAKES RESERVOIR	42,170	69
		TURQUOISE LAKE	52,810	24
		ARKANSAS RIVER AT SALIDA	250,000	61
11020006	Huerfano	CUCHARAS RESERVOIR*	0	14
		HUERFANO RIVER NEAR REDWING	9,500	31
		CUCHARAS RIVER AT BOYD RANCH NR LA VETA	9,600	46
11020010	Purgatoire	TRINIDAD LAKE	24,330	59
		PURGATOIRE RIVER AT TRINIDAD	40,000	45
11020002	Upper Arkansas	PUEBLO RESERVOIR	258,700	77
		PUEBLO RESERVOIR INFLOW	335,000	55
11020009	Upper Arkansas-John Martin Reservoir	HUERFANO RIVER NEAR REDWING	9,500	31
		CUCHARAS RIVER AT BOYD RANCH NR LA VETA	9,600	46
		PURGATOIRE RIVER AT TRINIDAD	40,000	45
		ADOBE CREEK RESERVOIR	47,576	61
		JOHN MARTIN RESERVOIR	122,871	71
		PUEBLO RESERVOIR INFLOW	335,000	55
11020005	Upper Arkansas-Lake Meredith	LAKE HENRY	3,637	6
		HUERFANO RIVER NEAR REDWING	9,500	31
		CUCHARAS RIVER AT BOYD RANCH NR LA VETA	9,600	46
		MEREDITH RESERVOIR	39,567	83
		PUEBLO RESERVOIR INFLOW	335,000	55
14010002	Blue	GREEN MOUNTAIN RESERVOIR	62,434	60
		BLUE RIVER INFLOW TO GREEN MOUNTAIN RES	310,000	68
14010001	Colorado Headwaters	WOLFORD MOUNTAIN RESERVOIR	50,850	86
		WILLIAMS FORK RESERVOIR	74,400	93
		COLORADO RIVER NEAR DOTSERO	1,480,000	59
14010005	Colorado Headwaters-Plateau	VEGA RESERVOIR	15,247	60
		COLORADO RIVER NEAR CAMEO	2,230,000	47
14010003	Eagle	EAGLE RIVER BELOW GYPSUM	340,000	56
14010004	Roaring Fork	RUEDI RESERVOIR	68,265	87
		ROARING FORK AT GLENWOOD SPRINGS	585,000	35
14020001	East-Taylor	TAYLOR PARK RESERVOIR	71,384	84
		TAYLOR R INF TO TAYLOR PARK RESERVOIR	86,000	47
		EAST RIVER AT ALMONT	130,000	24
14020005	Lower Gunnison	GUNNISON RIVER NR GRAND JUNCTION	1,000,000	30
14020004	North Fork Gunnison	PAONIA RESERVOIR	7,627	99
		NORTH FORK GUNNISON R NR SOMERSET	189,000	22
14030003	San Miguel	SAN MIGUEL RIVER NEAR PLACERVILLE	87,000	22
14020003	Tomichi	VOUGA RESERVOIR NEAR DOYLEVILLE	340	60
		TOMICHI CREEK AT GUNNISON, CO	63,000	54

HUC ID	HUC Name	Component Name	Component Volume (AF)	Component NEP for Month
14020006	Uncompahgre	RIDGEWAY RESERVOIR	66,974	61
		UNCOMPAHGRE RIVER AT COLONA	95,000	30
14020002	Upper Gunnison	SILVER JACK RESERVOIR	997	2
		FRUITLAND RESERVOIR	1,400	30
		CRAWFORD RESERVOIR	9,182	41
		LAKE FORK AT GATEVIEW, CO	98,000	31
		MORROW POINT RESERVOIR	105,735	2
		GUNNISON R INF TO BLUE MESA RESERVOIR	500,000	31
		BLUE MESA RESERVOIR	534,425	78
13010002	Alamosa-Trinchera	MOUNTAIN HOME	5,521	87
		TERRACE RESERVOIR	8,975	67
		TRINCHERA CK	10,000	38
		UTE CREEK	11,000	44
		SANGRE DE CRISTO	12,000	45
		CULEBRA CREEK AT SAN LUIS	18,000	46
		ALAMOSA CREEK ABOVE TERRACE RESERVOIR	45,000	26
13010005	Conejos	PLATORO RESERVOIR	18,447	48
		CONEJOS RIVER NEAR MOGOTE	125,000	21
13010001	Rio Grande Headwaters	RIO GRANDE RESERVOIR	3,971	4
		CONTINENTAL RESERVOIR	16,680	99
		SANTA MARIA RESERVOIR	21,751	92
		RIO GRANDE NEAR DEL NORTE	355,000	27
13010004	Saguache	SAGUACHE CREEK NEAR SAGUACHE, CO	28,000	48
14080104	Animas	LEMON RESERVOIR	17,745	29
		FLORIDA RIVER INFLOW TO LEMON RESERVOIR	40,000	25
		ANIMAS RIVER AT DURANGO	330,000	37
14080107	Mancos	JACKSON GULCH RESERVOIR	3,928	24
		MANCOS RIVER NEAR MANCOS	20,000	26
14080105	Middle San Juan	LONG HOLLOW RESERVOIR	5,088	50
		LA PLATA RIVER AT HESPERUS	18,000	40
14080102	Piedra	PIEDRA RIVER NEAR ARBOLES	140,000	27
14030002	Upper Dolores	GROUNDHOG RESERVOIR	16,300	84
		DOLORES RIVER BELOW MCPHEE RESERVOIR	200,000	29
		MCPHEE RESERVOIR	280,495	62
14080101	Upper San Juan	VALLECITO RESERVOIR	83,514	97
		LOS PINOS RIVER NEAR BAYFIELD	145,000	26
		SAN JUAN RIVER NEAR CARRACAS	230,000	25
10190006	Big Thompson	MARIANO RESERVOIR	200	2
		LAKE LOVELAND RESERVOIR	2,900	9
		LONE TREE RESERVOIR	7,100	34
		WILLOW CREEK RESERVOIR	8,064	97
		BOYD LAKE	35,400	59
		BIG THOMPSON R AT MOUTH, NR DRAKE, CO	93,000	57
		CARTER LAKE	106,050	74
		LAKE GRANBY	323,816	74

HUC ID	HUC Name	Component Name	Component Volume (AF)	Component NEP for Month
10190007	Cache La Poudre	BLACK HOLLOW RESERVOIR	3,600	81
		CHAMBERS LAKE	4,200	70
		HALLIGAN RESERVOIR	5,400	65
		FOSSIL CREEK RESERVOIR	9,300	74
		CACHE LA POUDRE	9,900	93
		WINDSOR RESERVOIR	10,500	22
		COBB LAKE	18,100	74
		HORSETOOTH RESERVOIR	144,008	94
		CACHE LA POUDRE R AT CANYON MOUTH	245,000	62
10190004	Clear Creek	CLEAR CREEK AT GOLDEN	111,000	60
10190003	Middle South Platte- Cherry Creek	HORSECREEK RESERVOIR	11,500	6
		MILTON RESERVOIR	21,000	82
		BARR LAKE	29,000	79
		STANDLEY RESERVOIR	38,900	81
		SOUTH BOULDER CK NR ELDORADO SPRINGS, CO	41,000	65
		BOULDER CREEK NEAR ORODELL	59,000	65
		SAINT VRAIN CREEK AT LYONS	89,000	50
		BIG THOMPSON R AT MOUTH, NR DRAKE, CO	93,000	57
		CLEAR CREEK AT GOLDEN	111,000	60
		SOUTH PLATTE RIVER AT SOUTH PLATTE	169,000	60
		CACHE LA POUDRE R AT CANYON MOUTH	245,000	62
10190012	Middle South Platte- Sterling	JULESBURG RESERVOIR	20,700	74
		PREWITT RESERVOIR	24,600	92
		JACKSON LAKE RESERVOIR	26,000	30
		EMPIRE RESERVOIR	32,600	67
		SOUTH BOULDER CK NR ELDORADO SPRINGS, CO	41,000	65
		RIVERSIDE RESERVOIR	55,000	64
		BOULDER CREEK NEAR ORODELL	59,000	65
		POINT OF ROCKS RESERVOIR	70,700	92
		SAINT VRAIN CREEK AT LYONS	89,000	50
		BIG THOMPSON R AT MOUTH, NR DRAKE, CO	93,000	57
		CLEAR CREEK AT GOLDEN	111,000	60
		SOUTH PLATTE RIVER AT SOUTH PLATTE	169,000	60
		CACHE LA POUDRE R AT CANYON MOUTH	245,000	62
10190001	South Platte Headwater	ANTERO RESERVOIR	20,000	65
		SPINNEY MOUNTAIN RESERVOIR	37,000	85
		ELEVENMILE CANYON RESV INFLOW	58,000	63
		ELEVENMILE CANYON RESERVOIR	100,100	82
10190005	St. Vrain	TERRY RESERVOIR	5,500	71
		MARSHALL RESERVOIR	7,000	62
		UNION RESERVOIR	10,539	34
		BUTTONROCK (RALPH PRICE) RESERVOIR	12,900	70
		GROSS RESERVOIR	14,400	77
		SOUTH BOULDER CK NR ELDORADO SPRINGS, CO	41,000	65
		BOULDER CREEK NEAR ORODELL	59,000	65
		SAINT VRAIN CREEK AT LYONS	89,000	50

HUC ID	HUC Name	Component Name	Component Volume (AF)	Component NEP for Month
10190002	Upper South Platte	CHEESMAN LAKE	54,656	31
		SOUTH PLATTE RIVER AT SOUTH PLATTE	169,000	60
		DILLON RESERVOIR	223,100	69
14050003	Little Snake	LITTLE SNAKE RIVER NEAR LILY	350,000	48
14050002	Lower Yampa	YAMPA RIVER NEAR MAYBELL	1,010,000	50
10180001	North Platte Headwaters	NORTH PLATTE R NR NORTHGATE	265,000	61
14050005	Upper White	WHITE RIVER NEAR MEEKER	250,000	41
14050001	Upper Yampa	YAMCOLO RESERVOIR	8,089	71
		STAGECOACH RESERVOIR NR OAK CREEK	34,100	99
		ELKHEAD CREEK ABOVE LONG GULCH	72,000	48
		YAMPA RIVER AT STEAMBOAT SPRINGS	270,000	50
		ELK RIVER NEAR MILNER, CO	370,000	48

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 +1.5.

The mountains and foothills experienced below average monthly precipitation for the month of March, at 82% of average, after experiencing well above the monthly average for February. However, the overall yearly precipitation remains above average at 107% of average for the year. High mountain precipitation in the form of snowpack ended the month of March at 117% of the historic medium, while the eastern plains continue to experience below average precipitation. The entire basin experienced slightly above average temperatures for the month of March. Water Supply forecasts for the South Platte River Basin point to slightly above average streamflows during 2020.

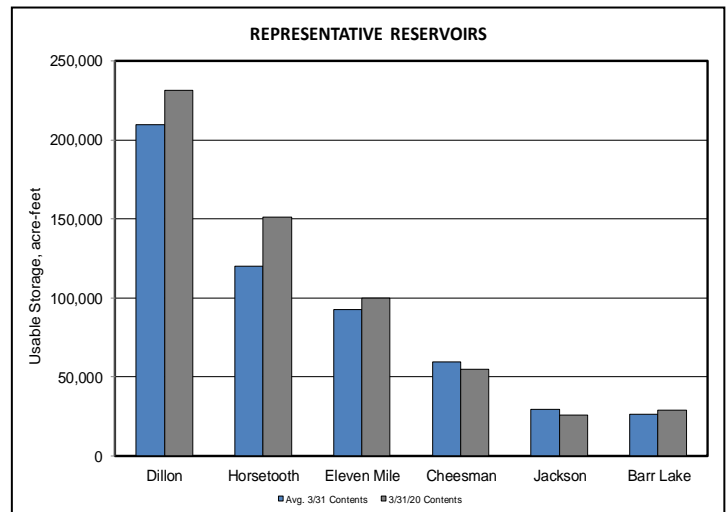
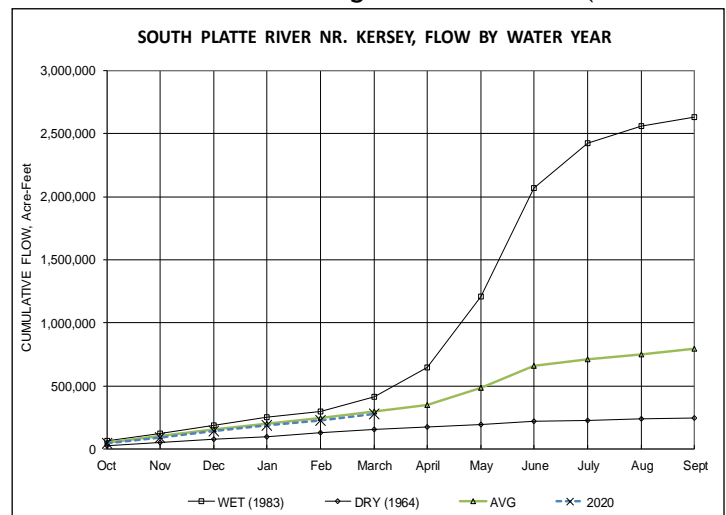
The USDA Drought Monitor rating for northeast Colorado continued with no drought conditions in the mountainous and foothill portions of the South Platte River Basin throughout the month of March. The eastern plains continue to experience drought conditions throughout and with abnormally dry conditions throughout March. The eastern plains experienced increasing drought conditions with portions of Lincoln, Washington, Logan, Kit Carson and Cheyenne Counties increasing from a rating of D0 (abnormally dry) conditions to a rating of D1 (moderate drought) during the month of March. The remainder of the eastern plains began the month of March with a rating of D0 in portions of El Paso, Elbert, Arapahoe, Adams, Morgan, Kit Carson, Yuma, Phillips, and Sedgewick, with some welcomed relief resulting in a rating of no drought conditions at the end of March into early April in the easterly most portions of Sedgewick, Phillips, Yuma, Kit Carson and Cheyenne Counties.

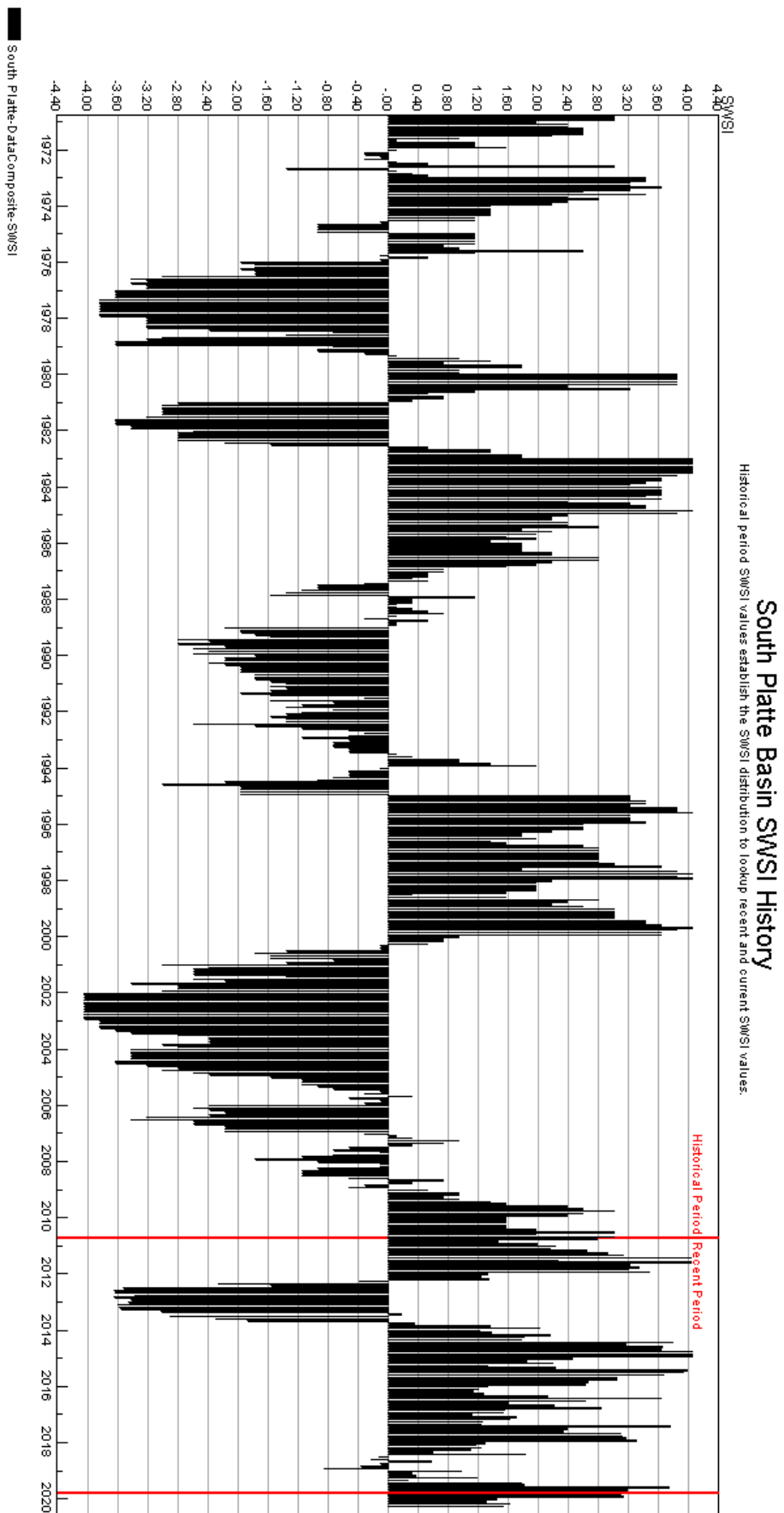
The overall basin experienced above average flows at the Kersey gage near the City of Greeley, with the average daily flows for the month of March approximately 820cfs, 117% of the historic mean value of 699.5 cfs. The average daily flow at the Julesburg gage for the month of March was 337 cfs, 67% of the historic mean value of 505.7 cfs, partly due to upstream diversions to recharge and reservoir storage.

The reservoir fill season began November 1st, with reservoir calls controlled through much of March (March 21st) by a 1911 Horsecreek Reservoir call at the Burlington Canal Headgate located just downstream from Denver on the upper end of the basin, and with junior reservoir or recharge calls, circa 2003 on the lower end of the Basin near Sterling, CO. The last third of the month of March was controlled by a 1977 Chatfield Reservoir call at the upper end of the South Platte River Basin above Denver, with no call downstream to the state line. Many tributaries have senior reservoir calls controlling their water district continuing to fill reservoirs.

Reservoir storage levels throughout the South Platte River mainstem ended the month of March above the average at the 6 SWSI Representative Reservoirs at 592,253 acre-feet volume, which is 110% of the long term average of 537,699 acre-feet. Additionally, 32 indexed reservoirs throughout Division 1 basin ended the month of March at 114% of the long term average (1981 - 2010) with a storage volume of 1,002,877 acre-feet representing 88% of full capacity. This is ahead of the long term average of 77% of full capacity for the end of March storage in the 32 indexed reservoirs throughout Division 1.

The temperature and precipitation outlook into April, May, and June prepared by the National Weather Service, in northeastern Colorado indicates a 33-40% chance of above average temperatures and a probability of average precipitation in the South Platte River Basin and Republican River Basin.





Basinwide Conditions Assessment

The SWSI value for the month was +1.3.

Outlook

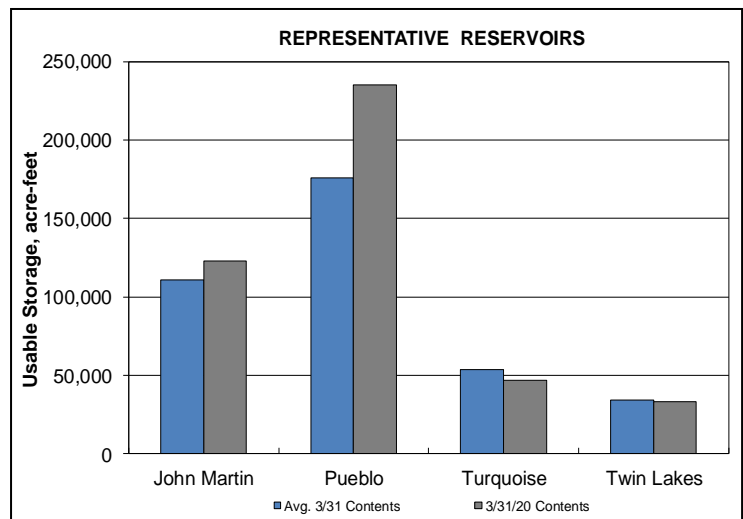
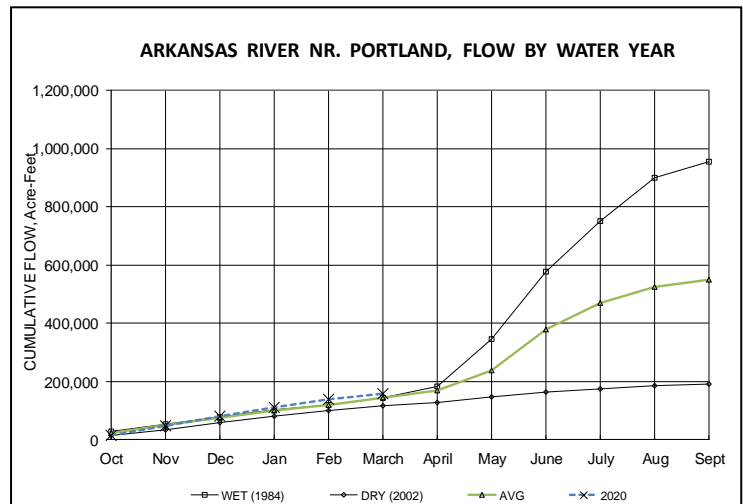
Total distributed reservoir storage following the Pueblo Winter Water Program was 116,840 acre-feet, including 44,487 acre-feet in Pueblo Reservoir, 60,398 acre-feet in diversions to off-channel reservoirs, and 11,955 acre-feet in John Martin Reservoir (after distribution to accounts). Conservation Storage in John Martin Reservoir through March 14, 2020 totaled 32,132 acre-feet. Storage values were considerably below the 20-year average of 131,418 ac-ft for the Pueblo Winter Water Program and just above the 1950-1975 pre-Winter Water Storage average of 23,024 ac-ft for Conservation Storage in John Martin Reservoir. However, across the board all values were higher than the 2019 Pueblo Winter Water Program.

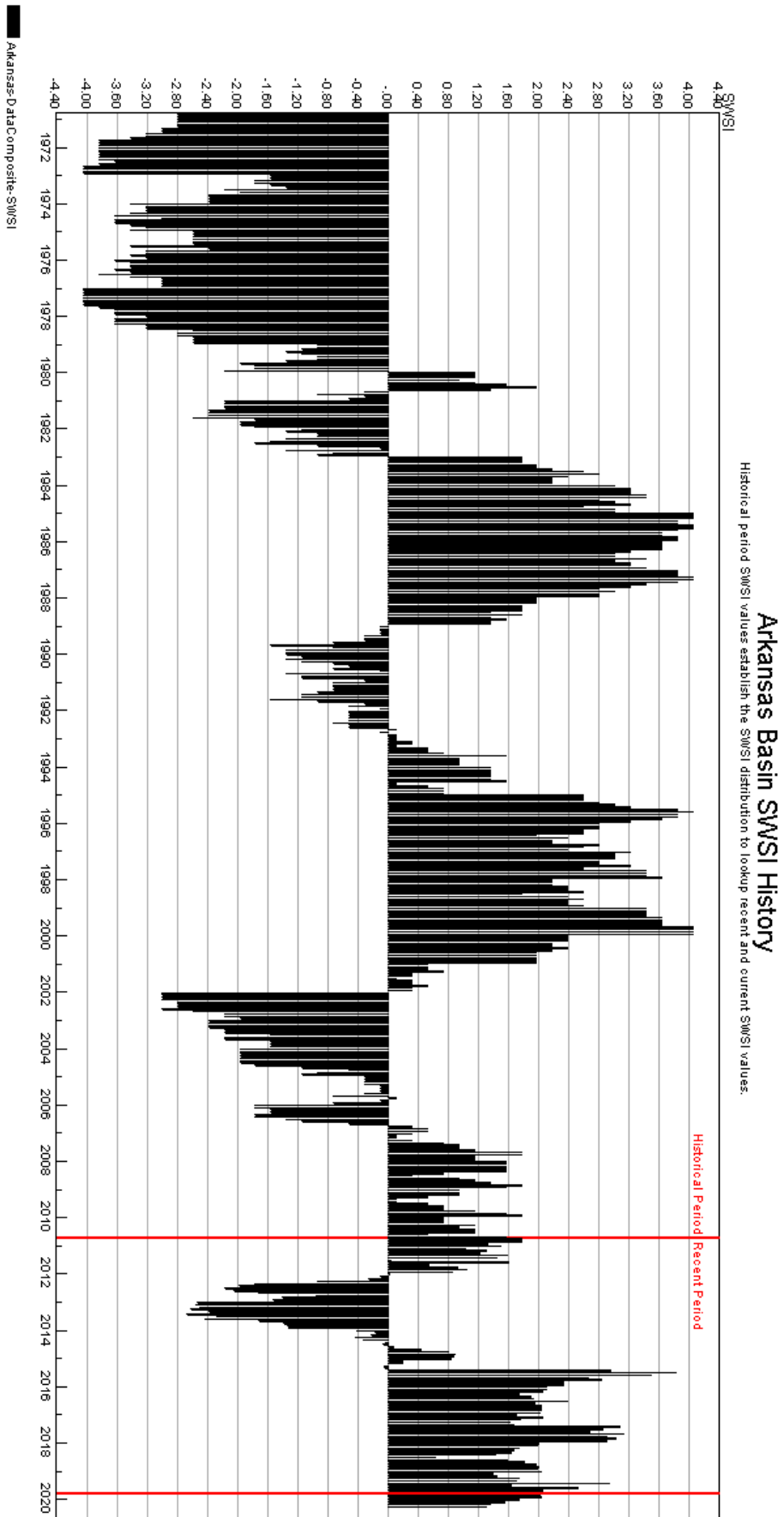
Snowpack in the basin has gradually decreased over the course of the winter to 101% of average. Last year at the end of March, the snowpack was 141%. Snowpack is also lower in the Upper Colorado River basin that makes up much of the transmountain imports into the Arkansas River Basin.

Administrative Concerns

The Bureau of Reclamation is forecasting imports from the Western Slope of 66,000 to 70,000 ac-ft during the irrigation season, which is slightly above average.

In March efforts to relocate 16,000+ acre-feet of water stored in Pueblo Reservoir began in earnest in anticipation of the Bureau of Reclamation requiring space in the Joint Use Pool be vacated before the April 15th deadline. Division 2 water users made significant efforts to relocate all of the excess water successfully prior to a spill.





Basinwide Conditions Assessment

The SWSI value for the month was -1.8.

Flow at the gaging station Rio Grande near Del Norte averaged 259 cfs (94% of normal). The Conejos River near Mogote had a mean flow of 66 cfs (75% of normal). Streamflow in the upper Rio Grande basin was generally below average during March as low-elevation snowpack was not plentiful for melt out.

For the second month in a row, temperatures in the San Luis Valley were much warmer than the long-term average. The warmth was enjoyable for residents, but the dry conditions have water supply managers concerned about the 2020 runoff.

Fresh snowfall in the San Luis Valley and the surrounding mountains was scarce during March until the middle of the month. The basinwide snowpack fell below average during the first week of March and never caught the average despite the late March snowfall. As the month drew to a close, most areas of the upper Rio Grande basin had below average snowpack.

Outlook

NOAA weather forecasts for the next three months call for below normal precipitation and above normal temperatures.

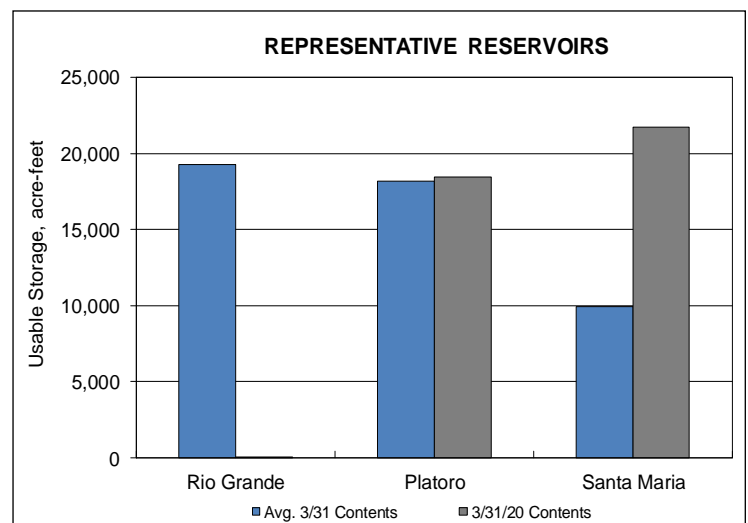
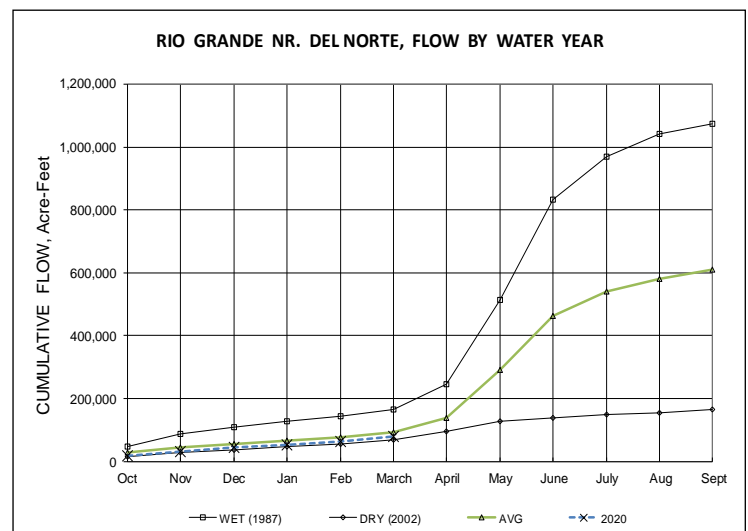
The recent coordinated forecast by the NRCS and NWS predicts below average runoff conditions throughout the upper Rio Grande basin. The best forecast within the basin for April through September runoff is Saguache Creek at 88% of average. The Rio Grande at Del Norte is slated for 69%, the Conejos near Mogote at 64%, the Alamosa River at 66% and Culebra Creek at 78%. Low on the totem pole for 2020 is the Rio San Antonio at only 43% of average. The dry conditions of the second half of 2019 are much of the reason for these disappointing forecasts.

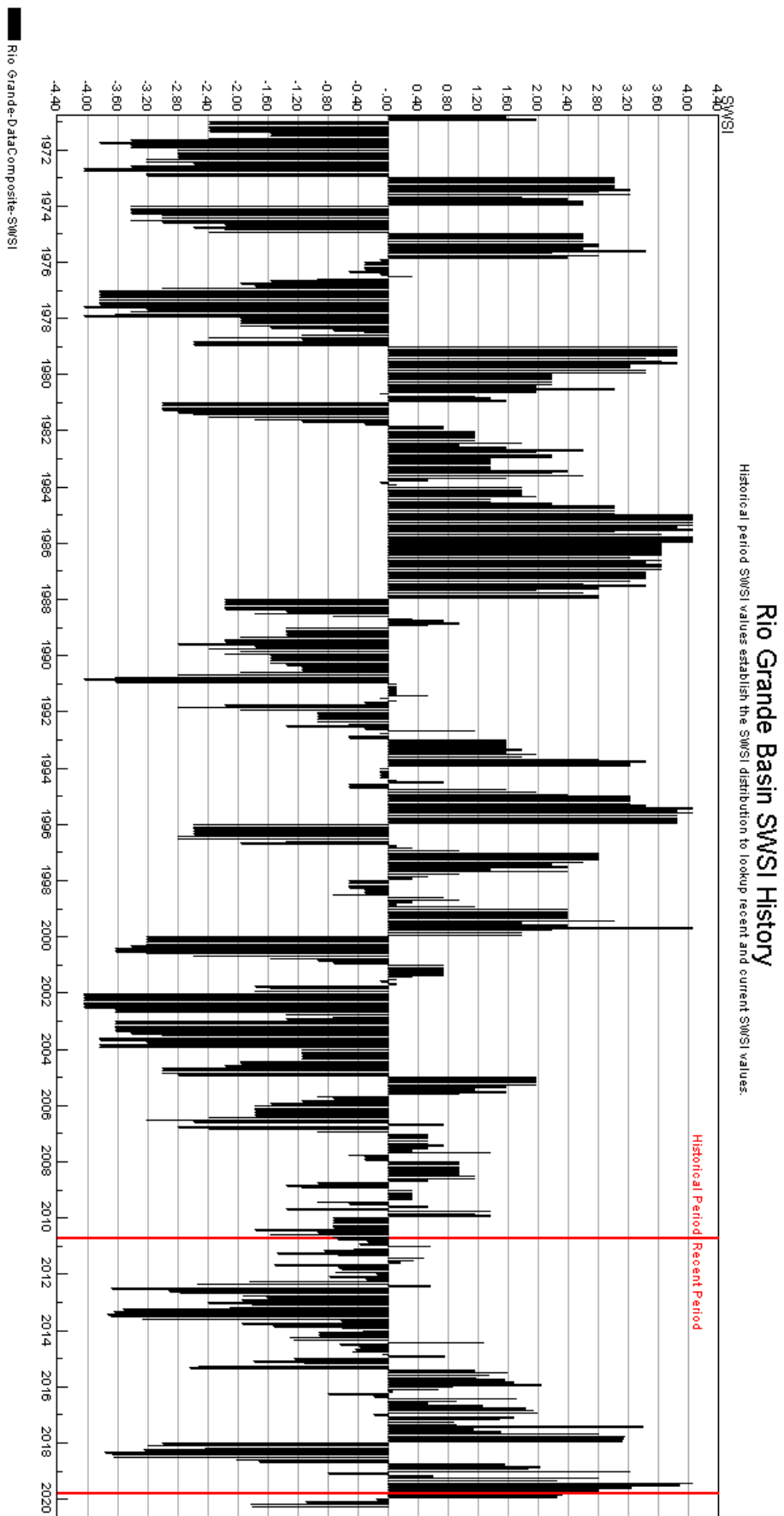
Administrative/Management Concerns

Water users and administrators are bracing for an irrigation season with below average surface water supplies. The hope is that some late snowfall can keep the situation from getting worse. The Valley's already strained aquifers will once again be a primary source of irrigation supply. Reservoir storage benefits a minority of water users in this basin. Most reservoirs in the basin are currently storing less than the long-term average. Rio Grande Reservoir is scheduled for completion of repair work this year.

Public Use Impact

Due to the warm and dry conditions, LaJara Creek opened irrigation season on March 23. The Trinchera Creek and Sangre de Cristo Creek drainages started up irrigation season on March 24. All other drainages in Water Division No. 3 (the upper Rio Grande basin and its tributaries) began irrigation season diversions on April 1.





Basinwide Conditions Assessment

The SWSI value for the month was -1.6.

Basin Wide Conditions Outlook

The west and southwest portions of the Gunnison basin, including the Uncompahgre Plateau and San Juans, received between 100 and 110 percent of average precipitation during March. Upper basin areas in the east didn't fare as well, with the Tomichi Creek and Taylor River basins receiving between 70 and 90 percent of average. Resulting snowpack, as measured by snow water equivalent (SWE) at all Snotel stations within the Gunnison basin, improved from 92 to 96 percent of the median for the date by April 1st. Unfortunately, between that time and April 16th drier and warm conditions resulted in a decline to 90% of the median. Conditions on the Grand Mesa improved by April 1st with the Park Reservoir Snotel site containing 84% of the median, but also declined to 76% by April 16th, which is the typical peak of the accumulation season.

Outlook

According to National Climate Prediction Center forecasts, the Gunnison basin remains between expected greater than average precipitation to the east and below average to the northwest. Streamflow forecasts prepared by the Colorado Basin River Forecast Center (CBRFC) on April 15th have declined and predict April to July runoff into Blue Mesa Reservoir to be 83% of the median. Forecasts for the Uncompahgre River into Ridgway Reservoir and the North Fork Gunnison into Paonia Reservoir are expected to be 71% and 77% of the median, respectively. These values remain below the SWE percentages because of expected infiltration into soils dried out by the hot and dry fall weather.

Administrative/Management Concerns

Dry conditions, which resulted in early demand from onion and winter wheat farmers, caused the Uncompahgre Valley Water Users Association (UVWUA) to turn 300 cfs into the Gunnison Tunnel on March 18th. On March 27th they increased diversions to over 500 cfs, allowing the South Canal hydropower facilities to operate. The UVWUA expects to reach full diversion of over 1,000 cfs by mid to late April.

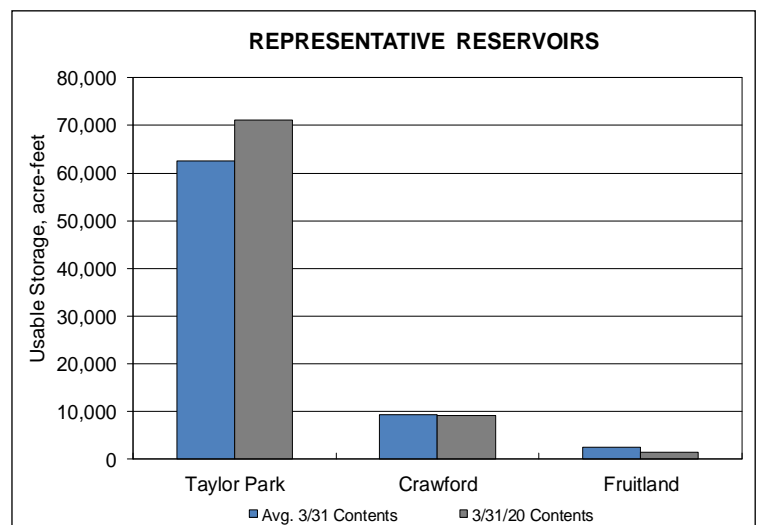
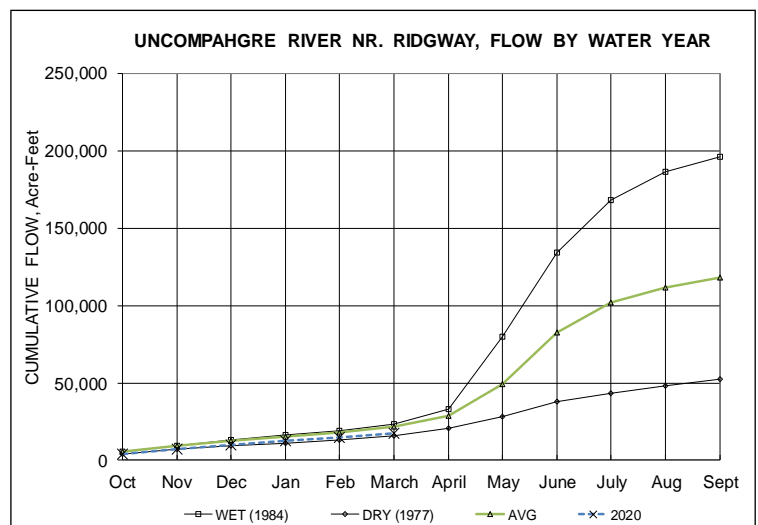
The CBRFC April 15th forecast for April to July runoff into Blue Mesa Reservoir was 490,000 acre-feet. If that level of snowpack holds until May 1st, it would place the basin in the "moderately dry" category as defined in the Aspenall Unit Operations EIS Record of Decision and would result in a 7,017 cfs target peak flow at the Gunnison River near Grand Junction gage. There is no required duration for the peak flow in a moderately dry year. Base flow target values would be 1,050 cfs for June and July and drop to 890 cfs in August and September, which is enough to keep the Redlands Power Canal running and provide the flows necessary to operate the fish ladder and fish screen at their diversion dam.

Growers in the Cedaredge area are feeling more optimistic since the additional snow in March brought snowpack above 2012 levels and some reservoirs are already spilling. While it won't be a banner year, it appears that there will be enough storage to get by. Now, area orchardists are hoping for limited overnight freezes to prevent damage to their fruit crops.

While COVID-19 has resulted in impacts to many areas of the Gunnison basin economy, the Division of Water Resources Water Commissioners have begun another irrigation season doing what they do best, helping agriculture maximize the beneficial use of water to produce food. Division 4 water commissioners have continued performing their essential jobs that can't be done virtually, but have easily been modified to comply with social distancing practices by limiting in-person contact with water users.

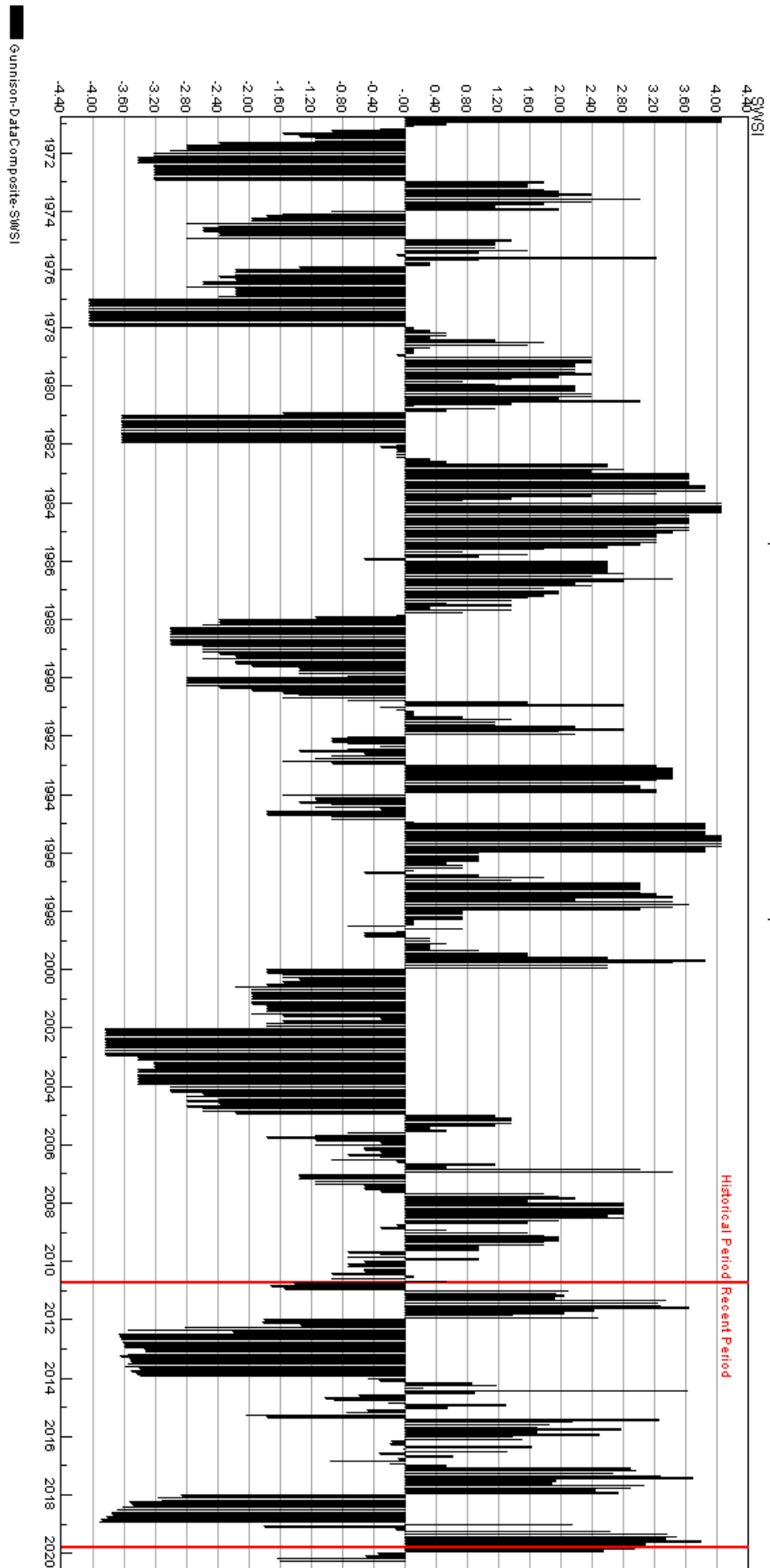
Public Use Impacts

Unfortunately, despite receiving increased snow that would have made for improved conditions in late March, basin ski resorts were forced to close due to Governor Polis' March 14th order related to COVID-19.



Gunnison Basin SWSI History

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



Apr-20

Basinwide Conditions Assessment

The SWSI value for the month was -0.3.

Outlook

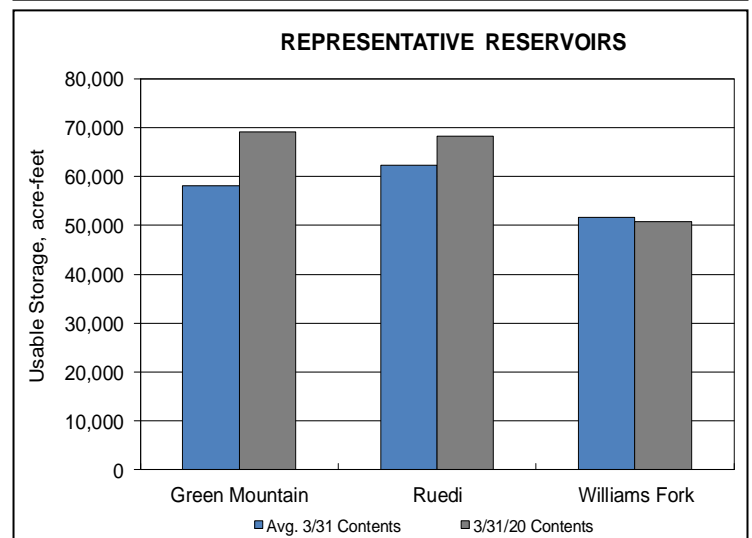
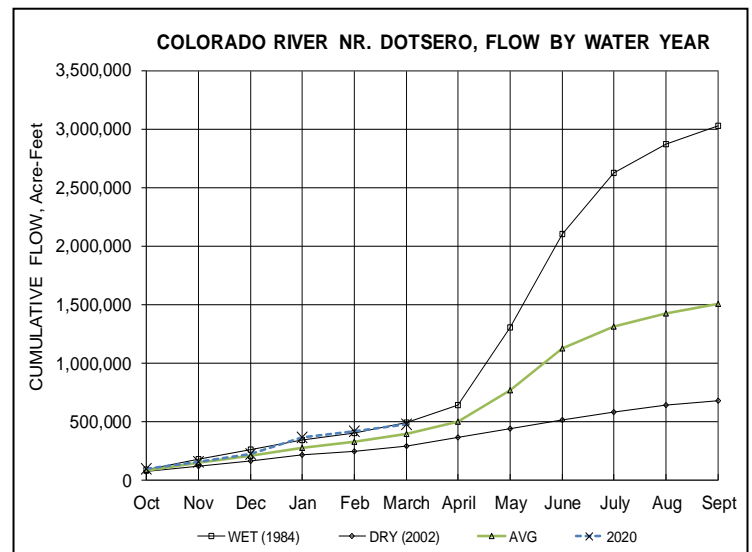
Colorado River flows are currently running below average and forecast to run below average through April with tributary flows also running below average throughout April. As of April 17th, the Upper Colorado River Basin snowpack was 107 percent of median snow water equivalent and 89 percent of average precipitation. Above average temperatures and above average precipitation are forecast for April.

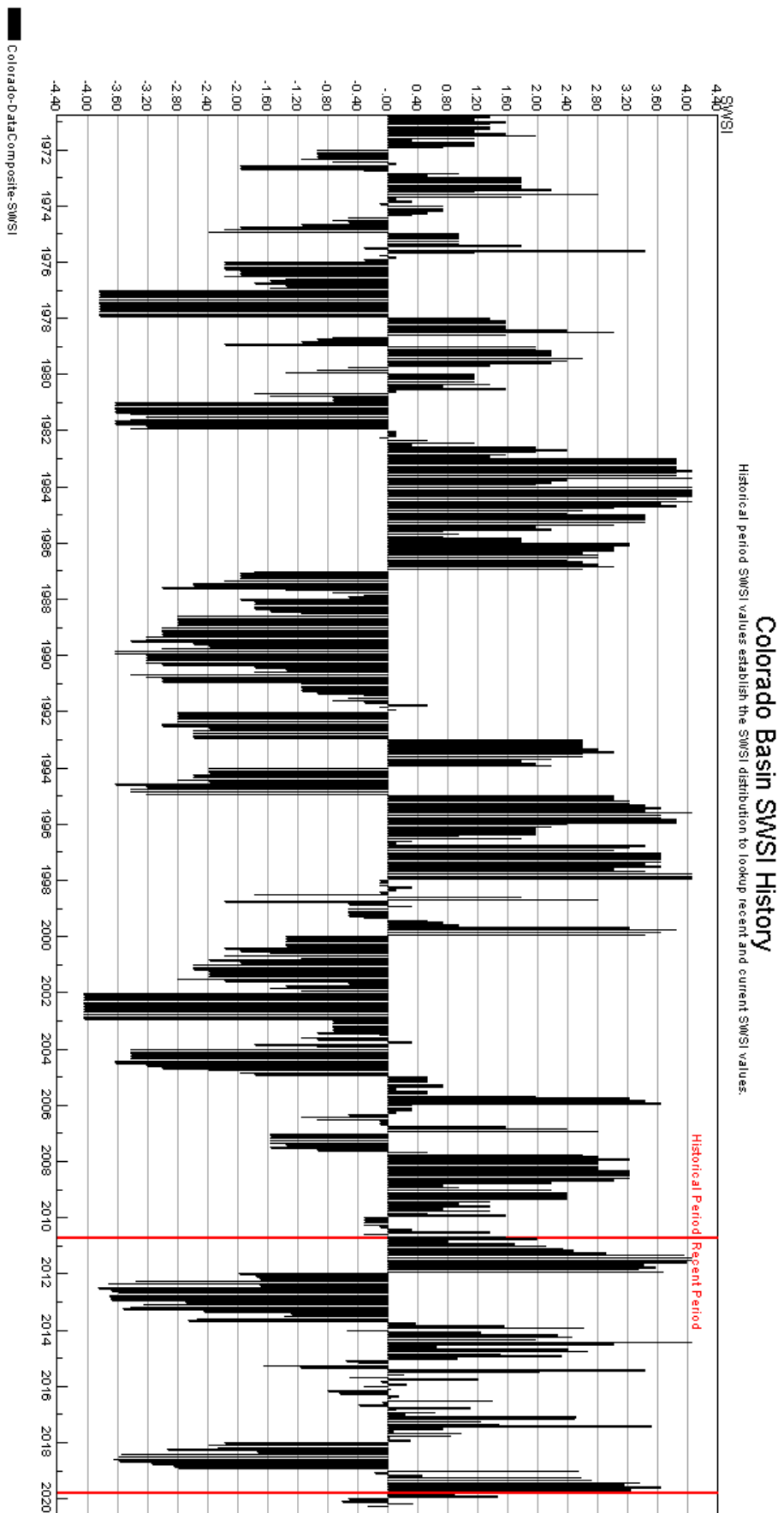
Administrative/Management Concerns

There is currently no call on the Colorado mainstem although entities are following the Shoshone Outage Protocol agreements. Green Mountain is releasing for the Shoshone outage protocol, inflows and power pool stored water. Grand Valley Irrigation diversions (Government Highline/Orchard Mesa Irrigation, Grand Valley Irrigation canals) are now running and are at or near full capacity.

Public Use Impacts

The Shoshone hydropower plant in Glenwood Canyon is not currently producing power due to ice jams on the spillway in February causing water to flood the plant and damage equipment, but due to the 'outage protocol', the plant's senior water rights were honored. The 'protocol' grew out of the Colorado River Cooperative Agreement and then its own agreement in 2016. This protocol allowed water to remain in the river at Shoshone's senior water right amount of 1,250 cfs.





Basinwide Conditions Assessment

The SWSI value for the month was -0.1.

Precipitation (24 sites) - Entire Yampa, White, and North Platte basins were **84%** of the monthly average, putting the basin at 100% of average for the water year to date. This is down from last year's monthly average of 152%. For the month, the lowest percent of average, at 54%, was the Battle Mountain SNOTEL station. The highest, at 122%, was the Bison Lake SNOTEL station.

**Averages are from 1981-2010 records*

Snowpack (25 sites) - Yampa, White, and North Platte basins were **111%** of the monthly SWE median. This is down from last year's median of 120%. For the month, the lowest percent of median, at 83%, was the Burro Mountain SNOTEL station. The highest, at 134%, was the Sandstone RS SNOTEL station. The largest snow depth is at 120 inches from the Tower SNOTEL site at 10,500 ft in elevation.

**Averages are from 1981-2010 records*

Temperatures - The average temperature for Colorado Climate Division 2: Colorado River Drainage was 35.6° F. This is +4.8°F from the average of 30.8°F. This temperature ranks 112th for lowest of the previous 125 years of data. For the Platte Drainage, Colorado Climate Division 4, the average temperature was 37.8°F, +4.6°F above the average of 27.3°F, ranking 107th.

**Averages are from 1901-2000 records*

Reservoir Outlook

Elkhead Reservoir - April 1st, 2020 elevation was 78.2' and 23,490 AF of 25,550 AF - 92% capacity

Fish Creek Reservoir - April 1st, 2020 elevation was 9,866.7' at 1,936 AF of 4,170 AF - 46.5% capacity.

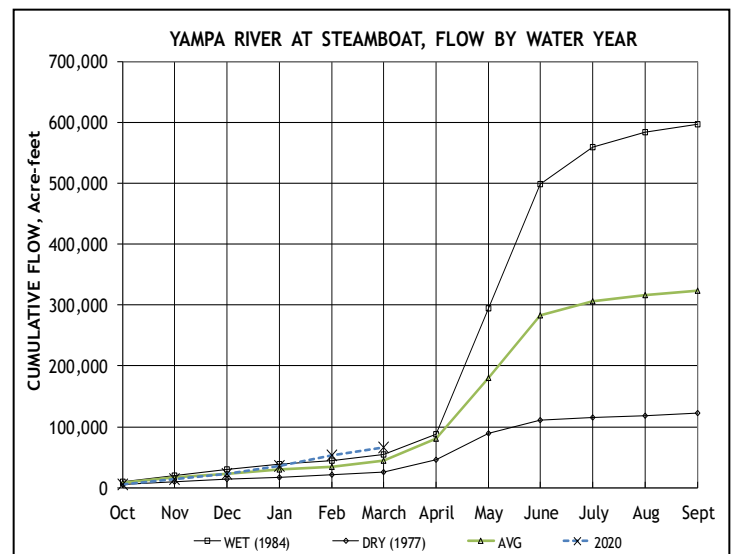
Stagecoach Reservoir - April 1st, 2020 capacity level was at 33,596 AF of 36,500 AF - 92% capacity, 123% average, 108% last year

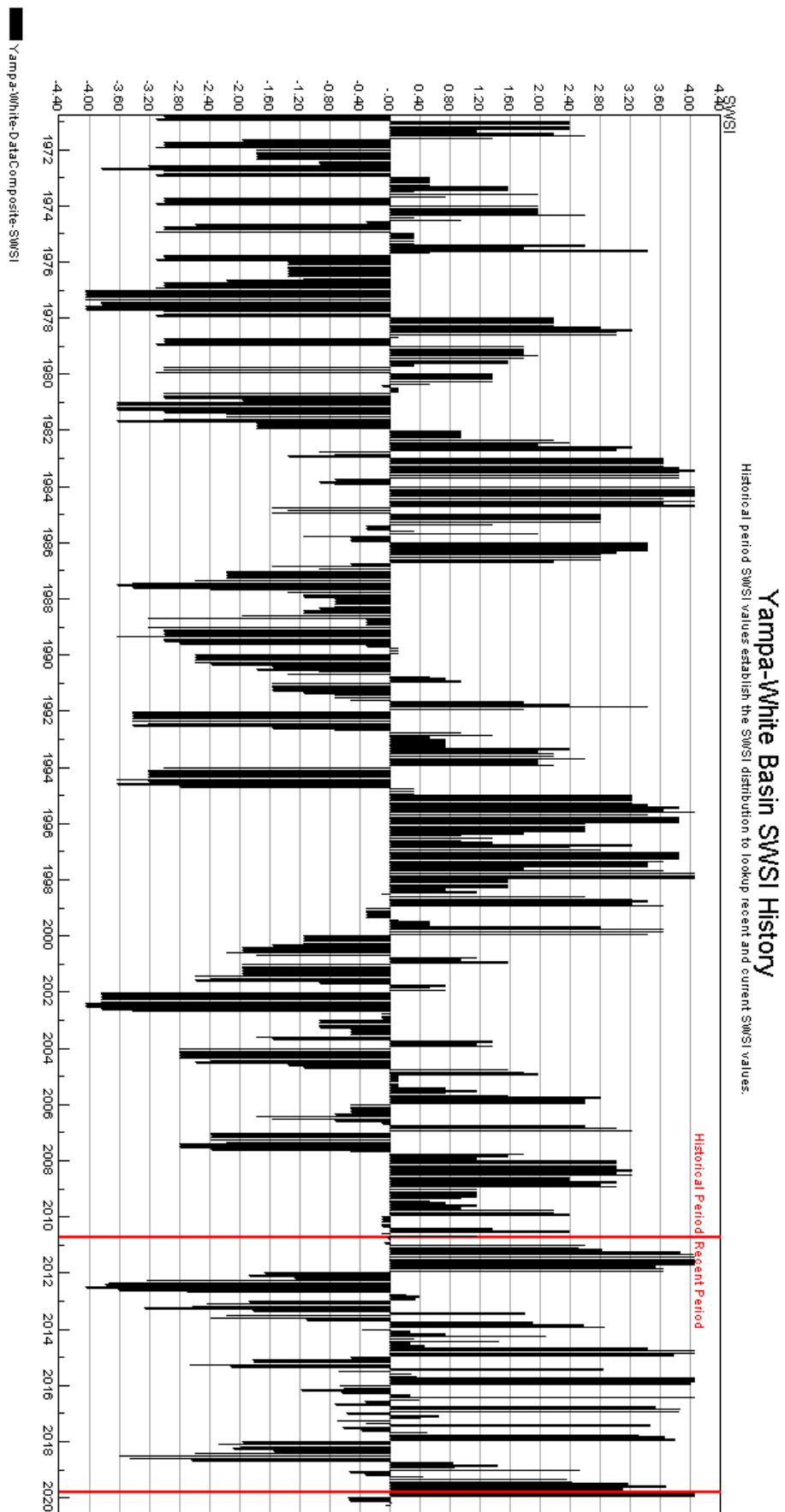
Yamcolo Reservoir - April 1st, 2020 capacity level was at 8,100 AF of 8,700 AF - 93% capacity, 123% average, 172% last year.

**Averages are from 1981-2010 records*

Administrative Concerns

There have been no calls in Division 6 for March.





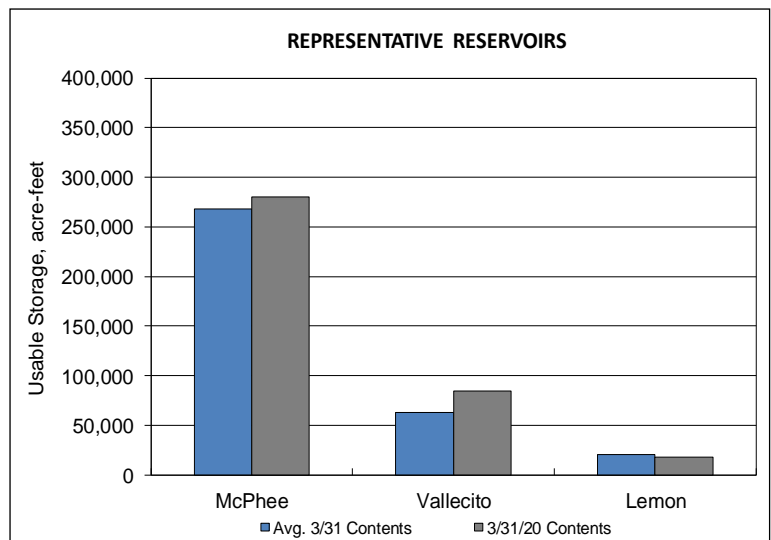
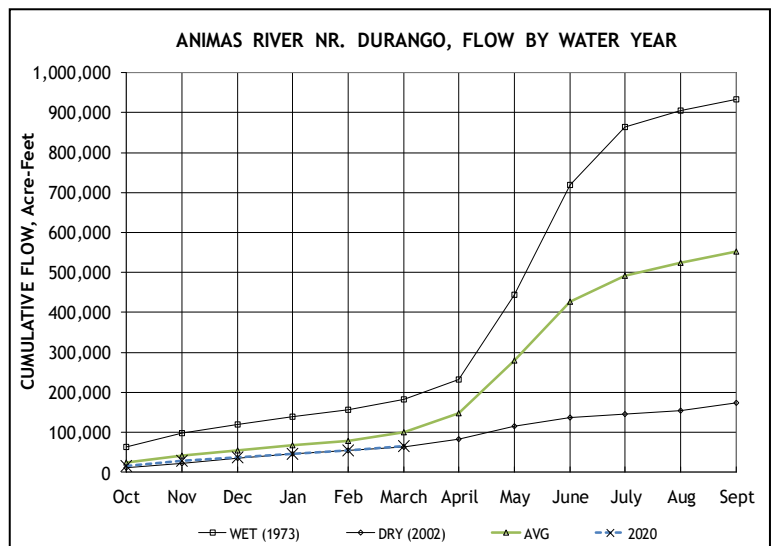
Basinwide Conditions Assessment

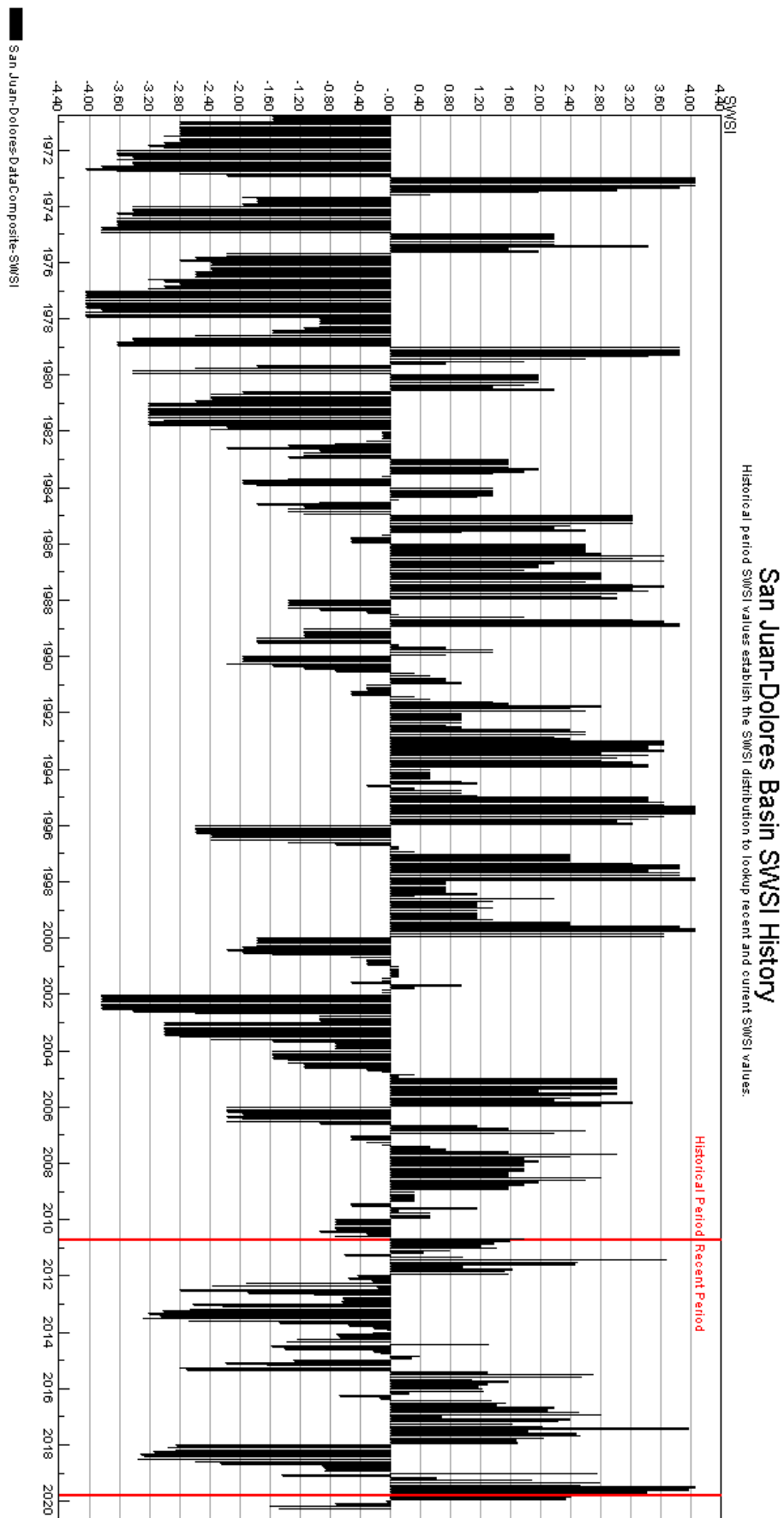
The SWSI value for the month was -1.5.

Flow at the Animas River at Durango averaged 166 cfs (54% of average). The flow at the Dolores River at Dolores was estimated to average 69 cfs (50% of average). The La Plata River at Hesperus averaged 8.6 cfs (51% of average). Precipitation in Durango was 1.73 inches for the month, 135% of the 30-year average of 1.28 inches. Precipitation to date in Durango, for the water year is 7.50 inches, 76% of the 30-year average of 9.91 inches. The average high and low temperatures for the month of March in Durango were 55° and 29°. In comparison, the 30-year average high and low for the month is 55° and 26°. At the end of the month Vallecito Reservoir contained 84,266 acre-feet compared to its average content of 58,237 acre-feet (145% of average). McPhee Reservoir was up to 280,457 acre-feet compared to its average content of 271,292 (103% of average), while Lemon Reservoir was up to 18,080 acre-feet as compared to its average content of 20,372 acre-feet (89% of average).

Outlook

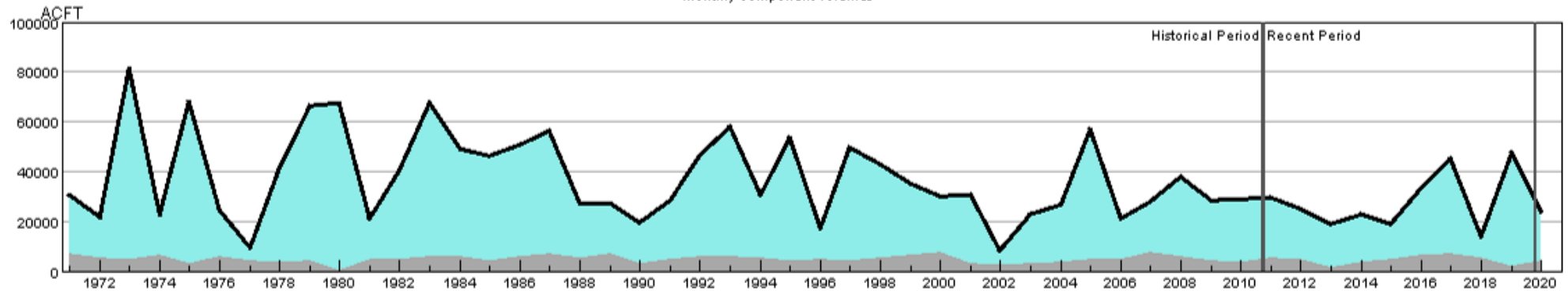
Precipitation (1.73 inches) was above average for March in Durango. There were 46 years out of 125 years of record where there was more precipitation than this year. The flows in the rivers held steady for the month when compared to the previous month. There are 100 out of 110 years of record where the total flow past the Animas River at Durango stream gauge was more than this year. There were 89 out of 109 years of record where the total flow past the Dolores stream gauge was more than this year and 73 out of 103 years of record where the total flow past the La Plata River at Hesperus gauge was more than this year. Most of the reservoirs within the basin are above average for this time of year. On March 31, the NRCS SNOTEL sites reported an average snow-water-equivalent within the basin at 100%. Last month the average snow-water-equivalent at the end of the month was 89%.





HUC 14080107 (Mancos) Surface Water Supply - APR

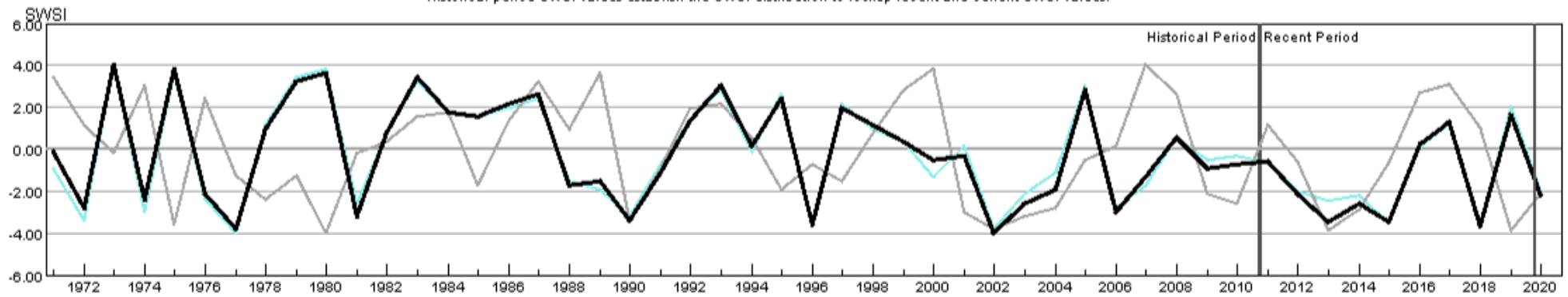
Monthly component volumes



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HUC 14080107 (Mancos) SWSI Values - APR

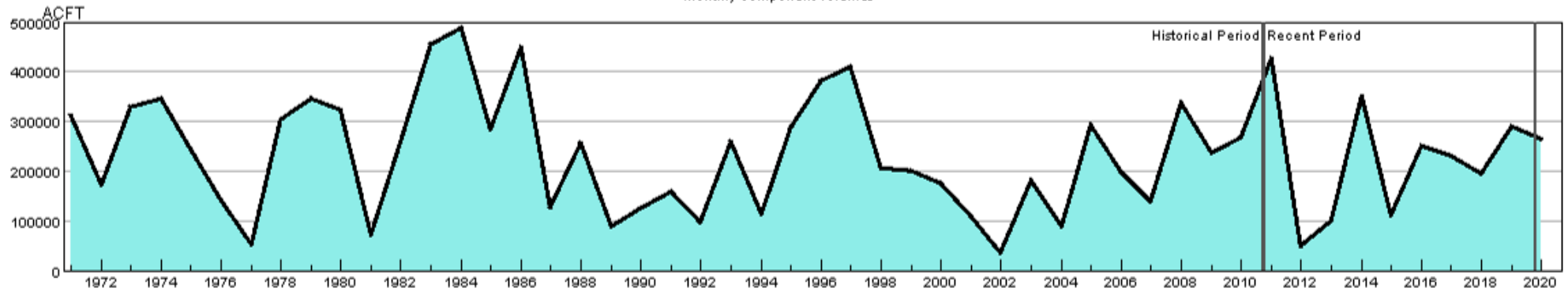
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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HUC 10180001 (North Platte Headwaters) Surface Water Supply - APR

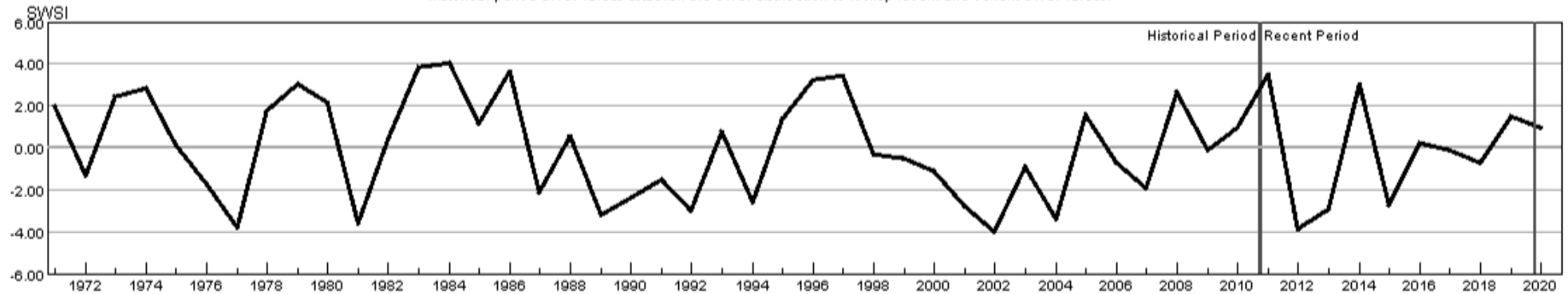
Monthly component volumes



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

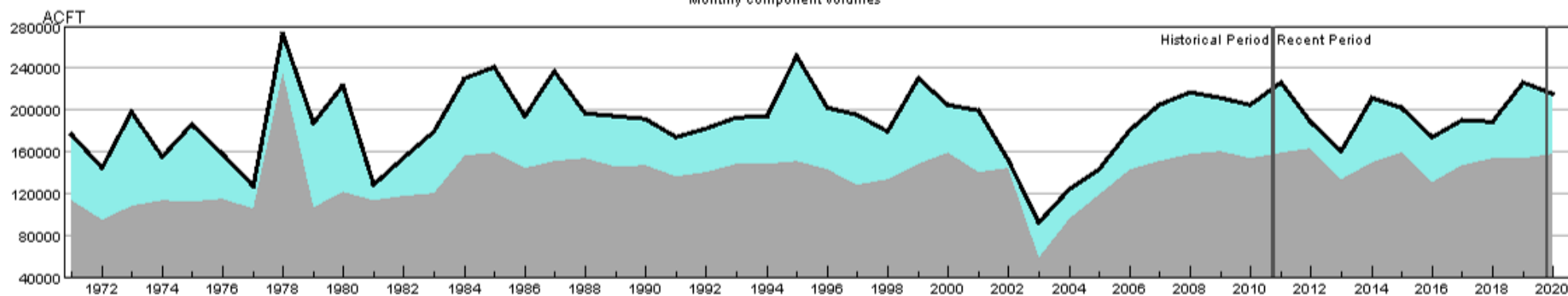
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

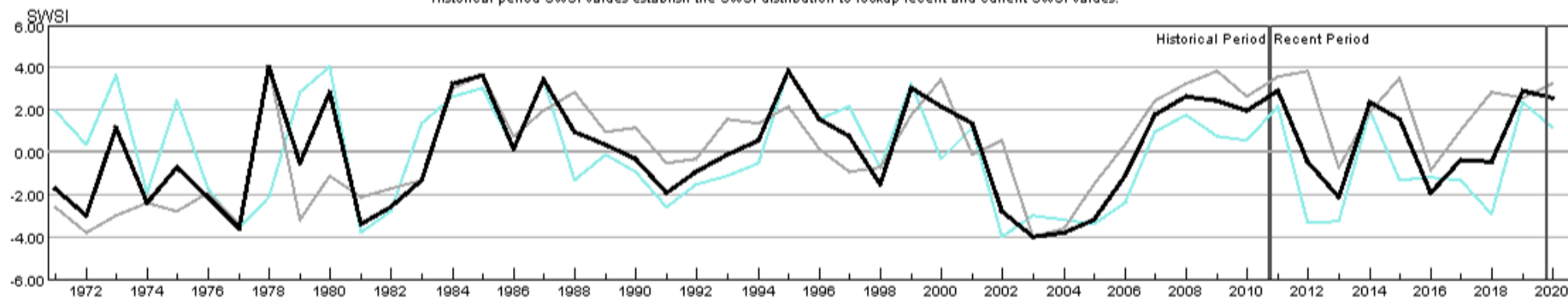
Monthly component volumes



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HUC 10190001 (South Platte Headwater) SWSI Values - APR

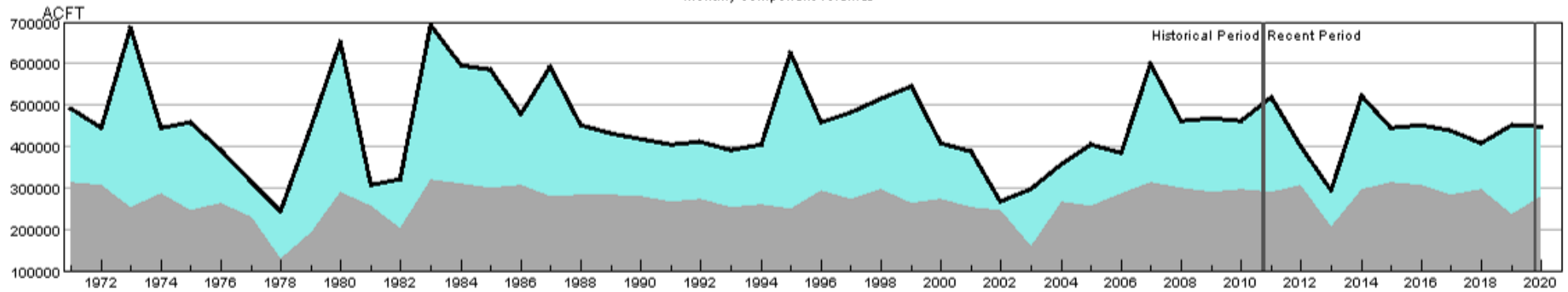
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

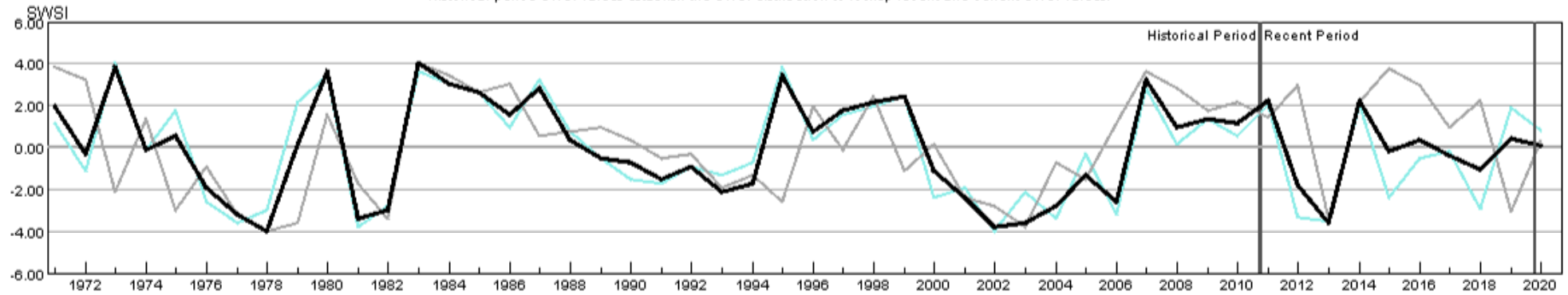
Monthly component volumes



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

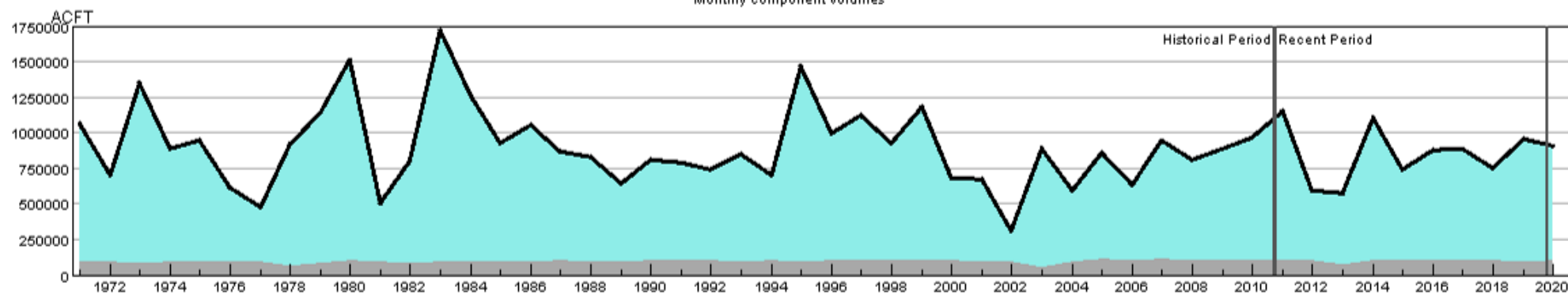
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

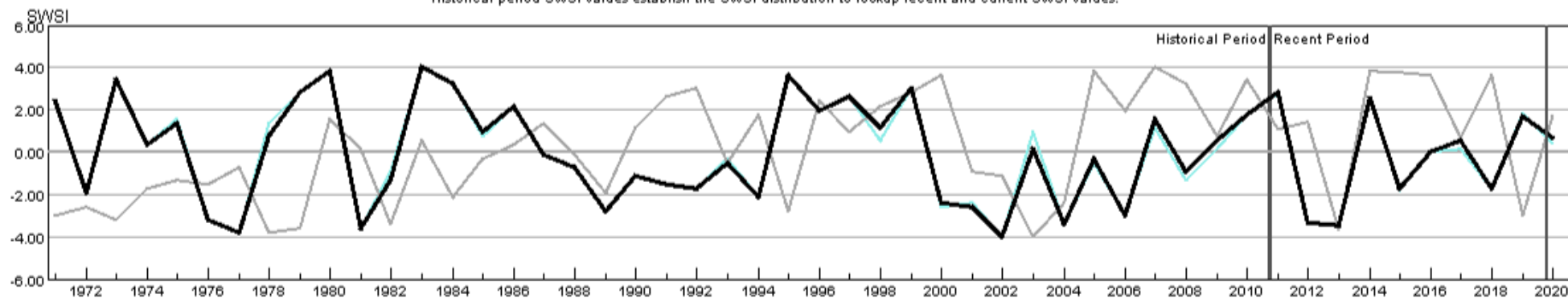
Monthly component volumes



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

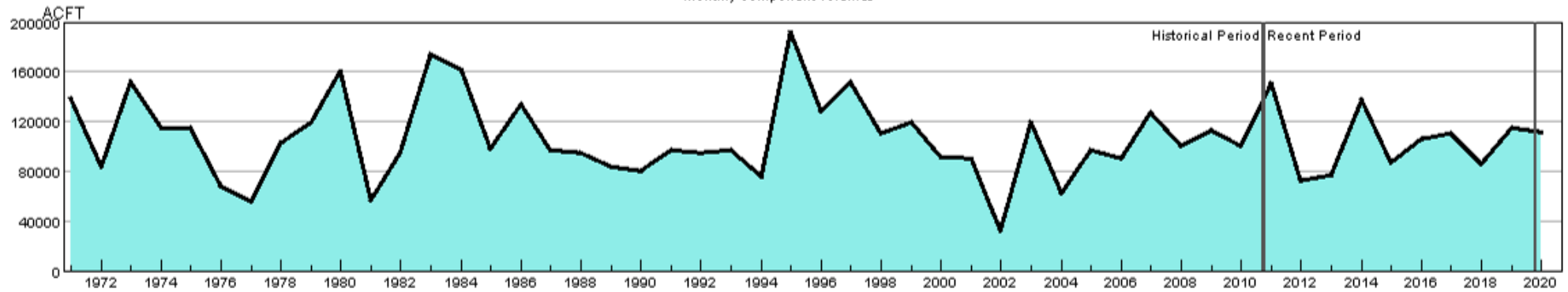
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HUC 10190004 (Clear) Surface Water Supply - APR

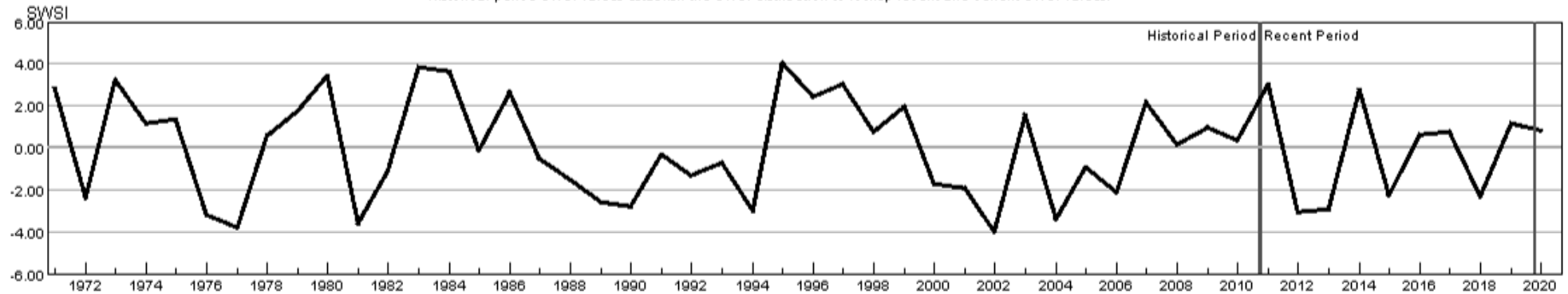
Monthly component volumes



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HUC 10190004 (Clear) SWSI Values - APR

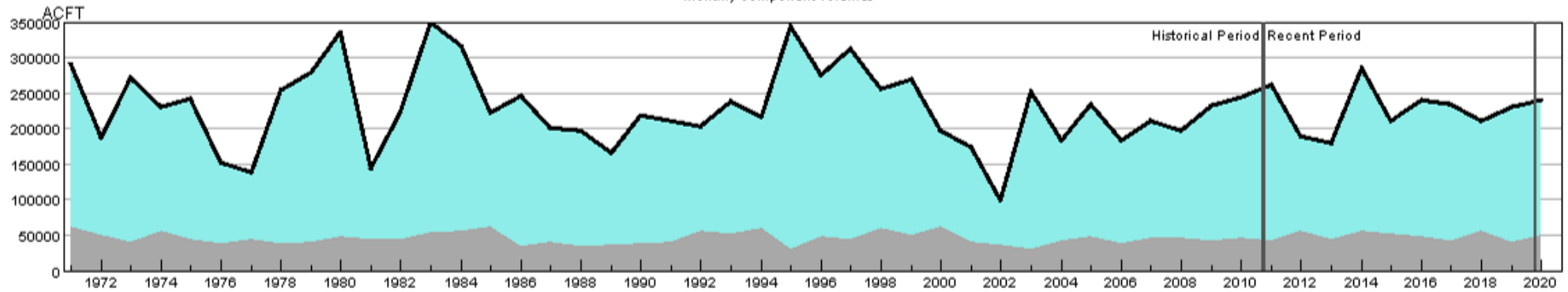
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

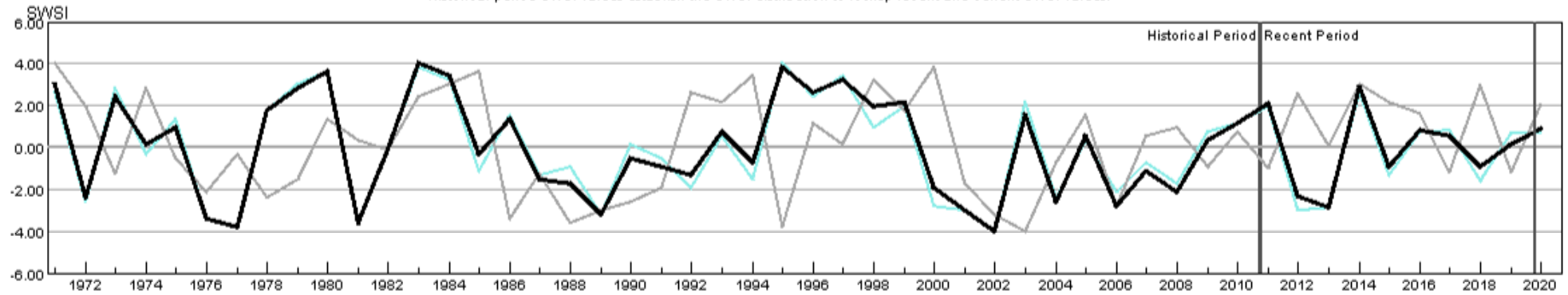
Monthly component volumes



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HUC 10190005 (St. Vrain) SWSI Values - APR

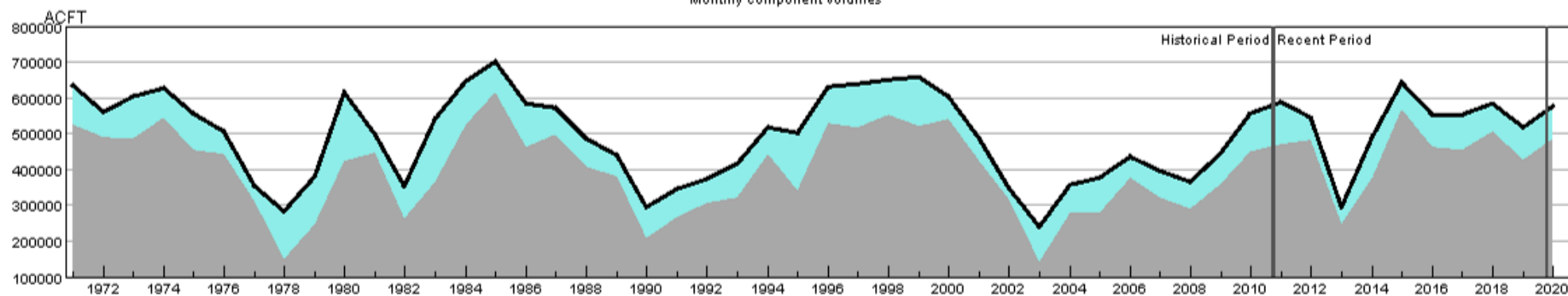
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HUC 10190006 (Big Thompson) Surface Water Supply - APR

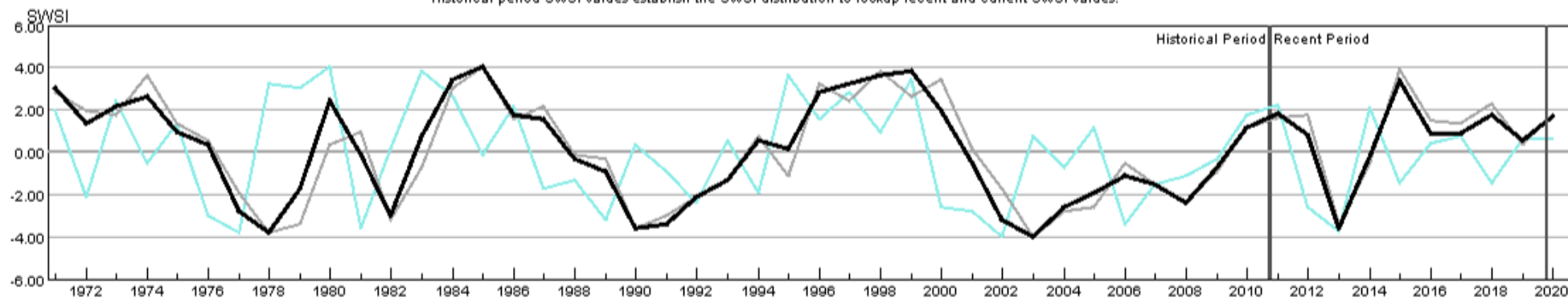
Monthly component volumes



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HUC 10190006 (Big Thompson) SWSI Values - APR

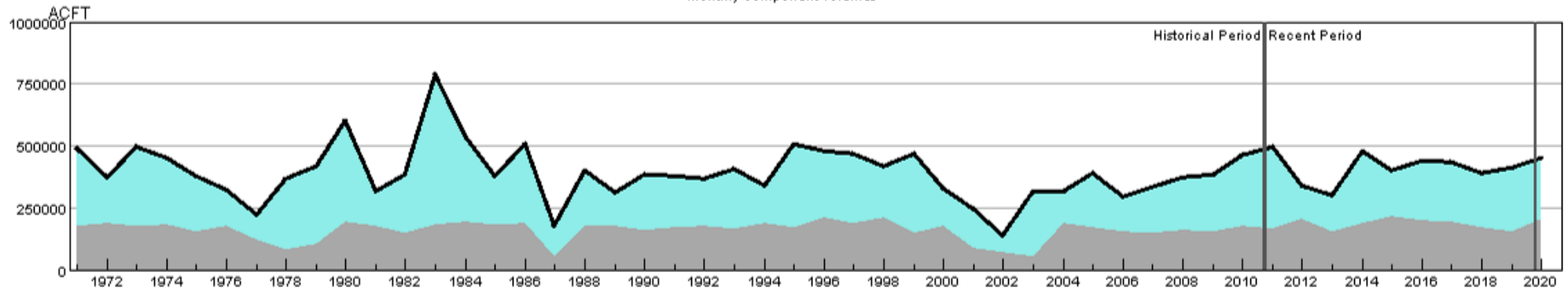
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HUC 10190007 (Cache La Poudre) Surface Water Supply - APR

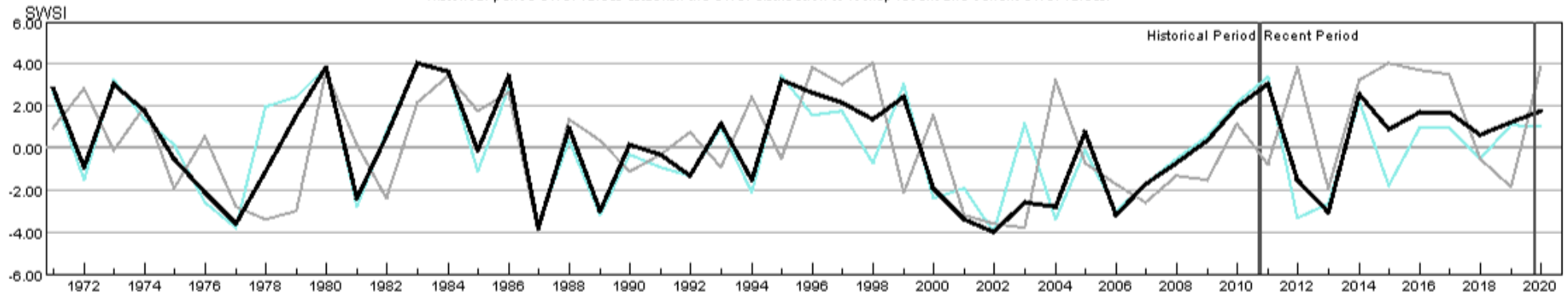
Monthly component volumes



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

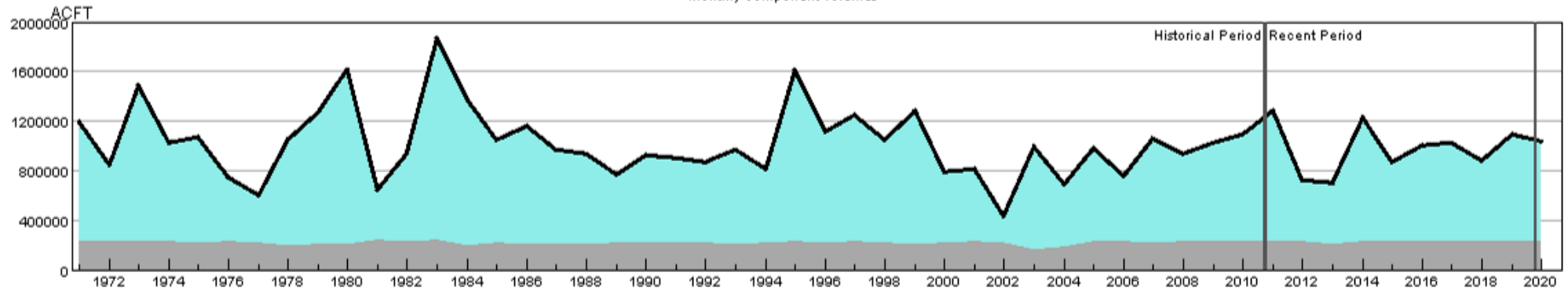
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

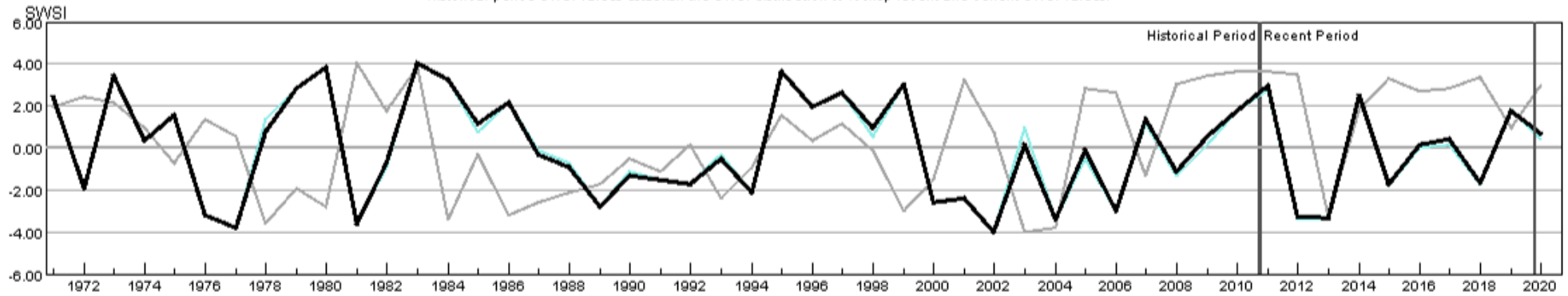
Monthly component volumes



HUC:10190012-APR-DataComposite
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HUC 10190012 (Middle South Platte-Sterling) SWSI Values - APR

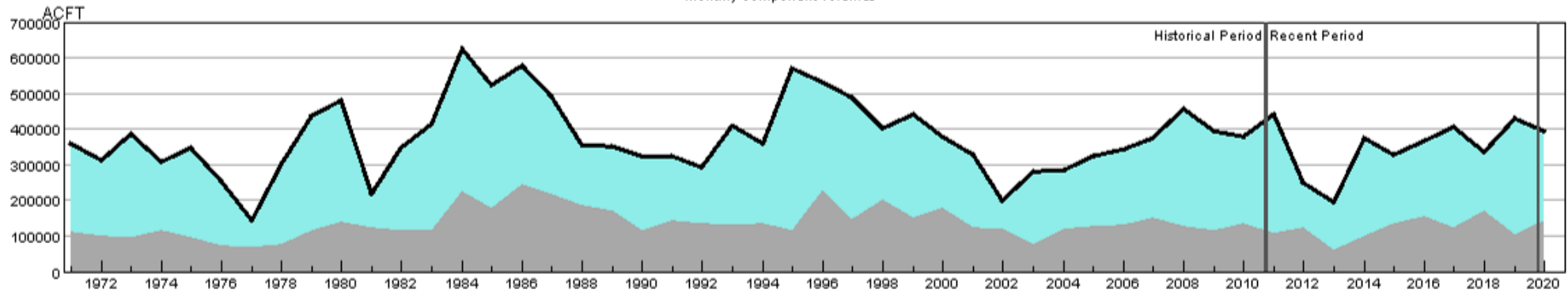
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HUC 11020001 (Arkansas Headwaters) Surface Water Supply - APR

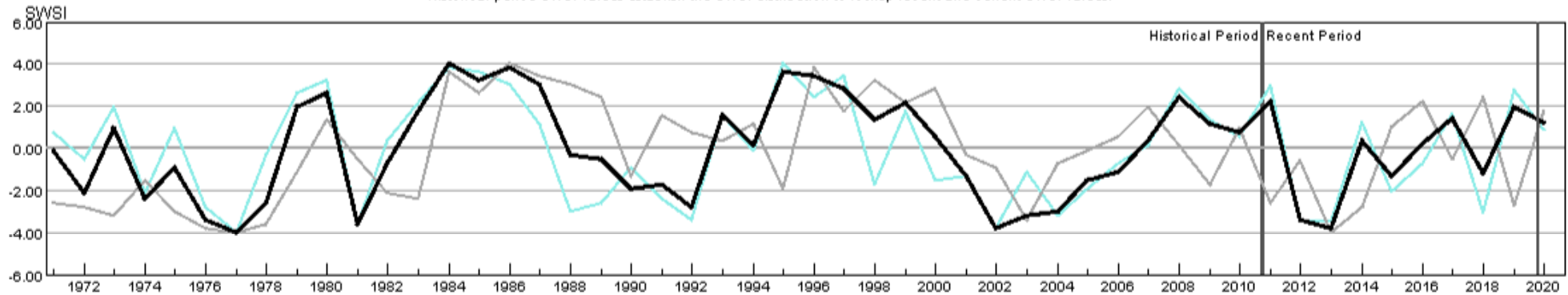
Monthly component volumes



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HUC 11020001 (Arkansas Headwaters) SWSI Values - APR

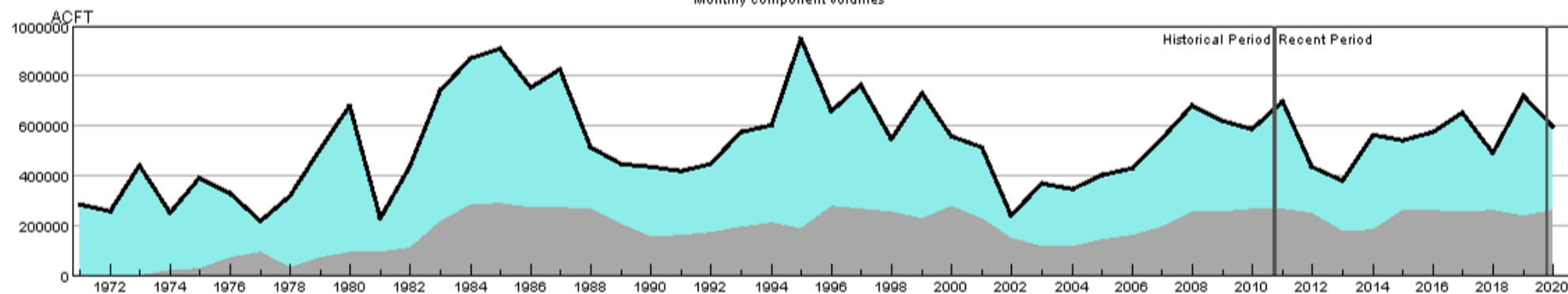
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HUC 11020002 (Upper Arkansas) Surface Water Supply - APR

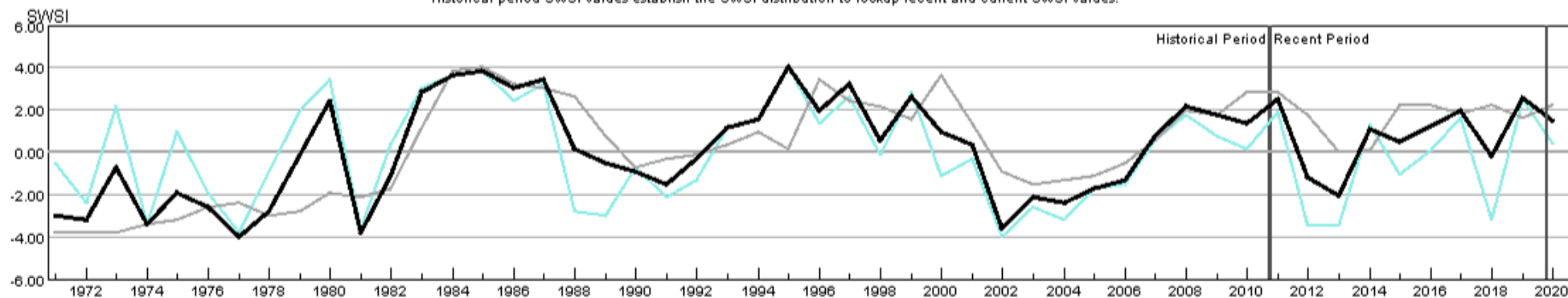
Monthly component volumes



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

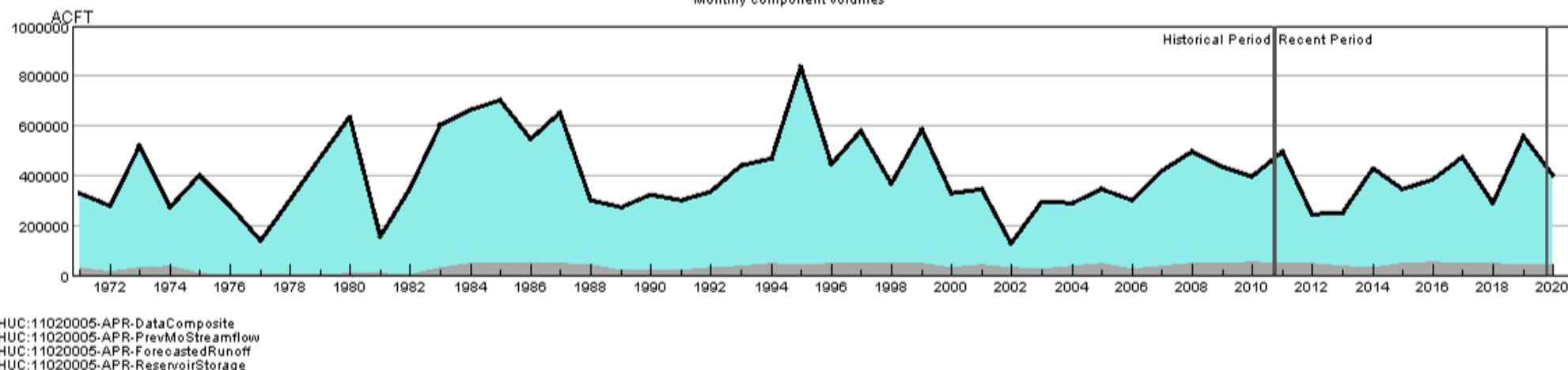
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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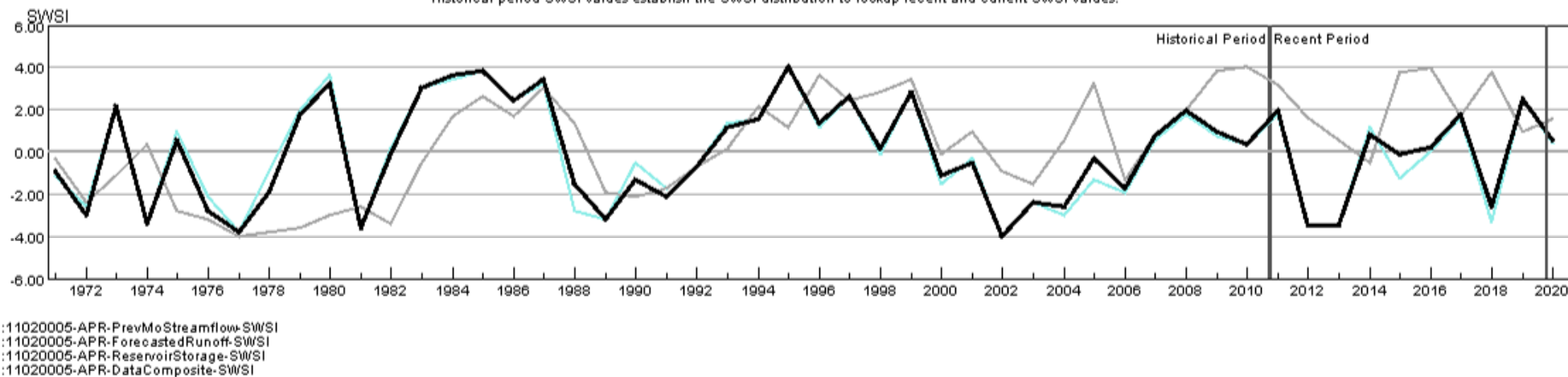
HUC 11020005 (Upper Arkansas-Lake Meredith) Surface Water Supply - APR

Monthly component volumes



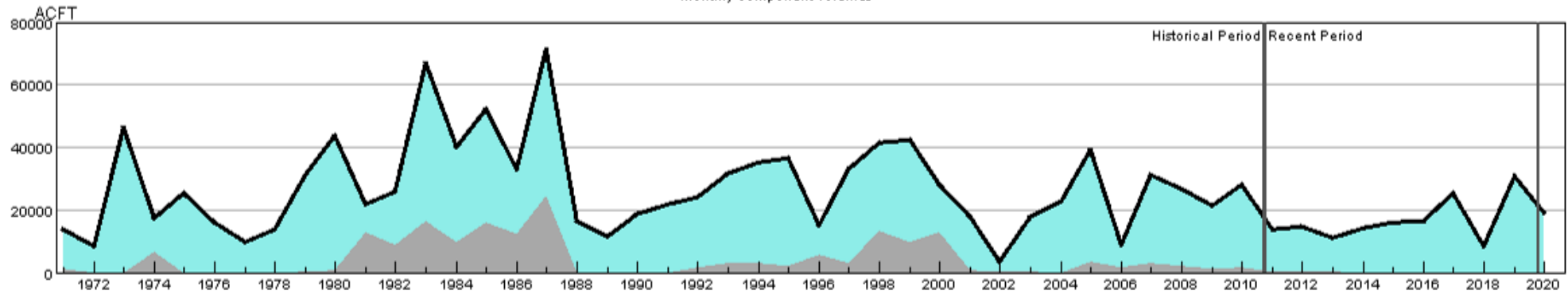
HUC 11020005 (Upper Arkansas-Lake Meredith) SWSI Values - APR

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



HUC 11020006 (Huerfano) Surface Water Supply - APR

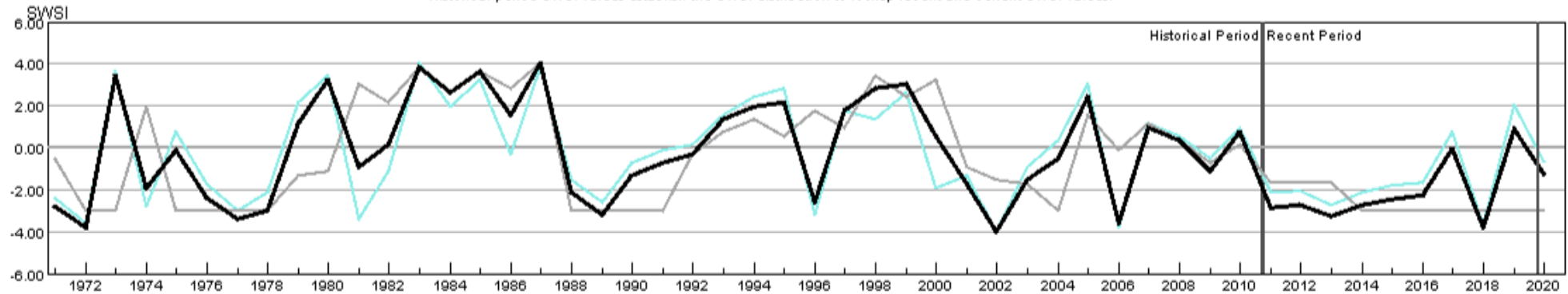
Monthly component volumes



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

HUC 11020006 (Huerfano) SWSI Values - APR

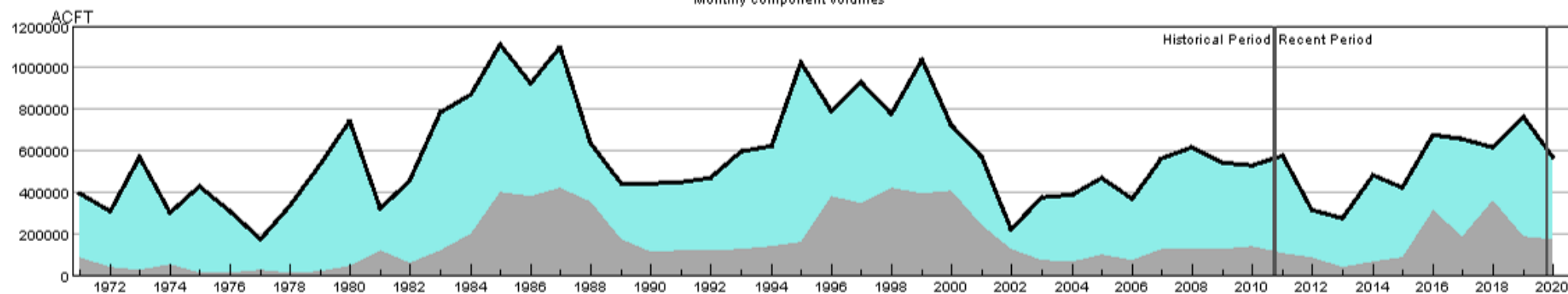
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

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

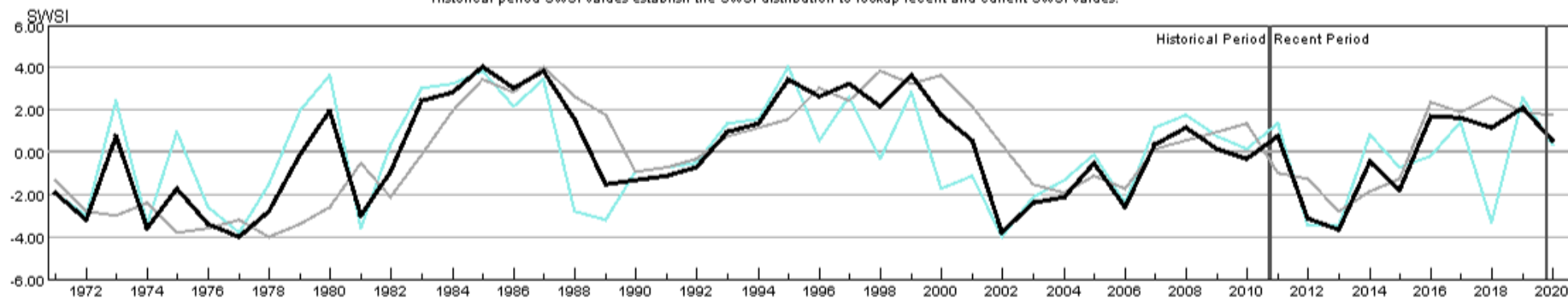
Monthly component volumes



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

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

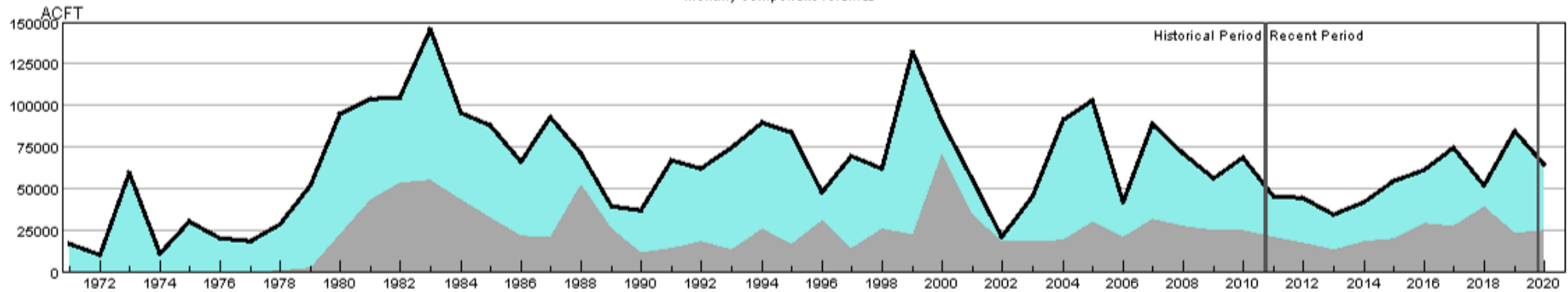
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 11020010 (Purgatoire) Surface Water Supply - APR

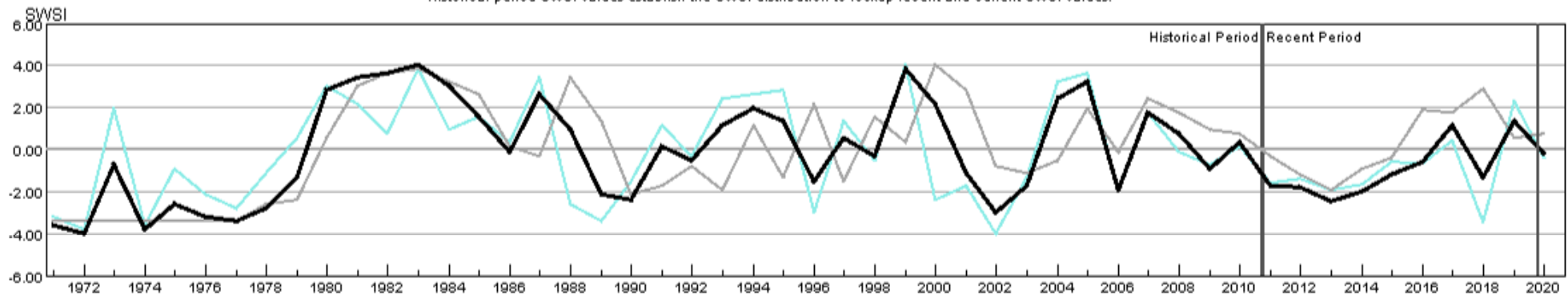
Monthly component volumes



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

HUC 11020010 (Purgatoire) SWSI Values - APR

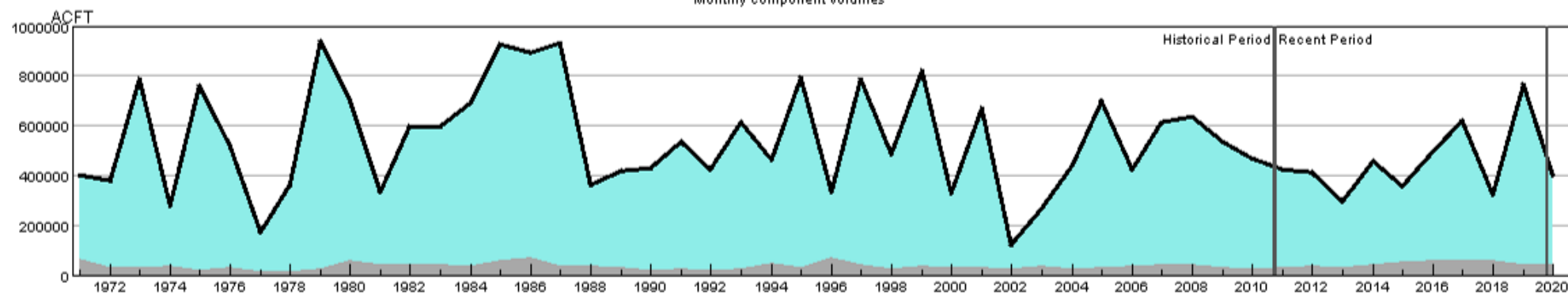
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

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

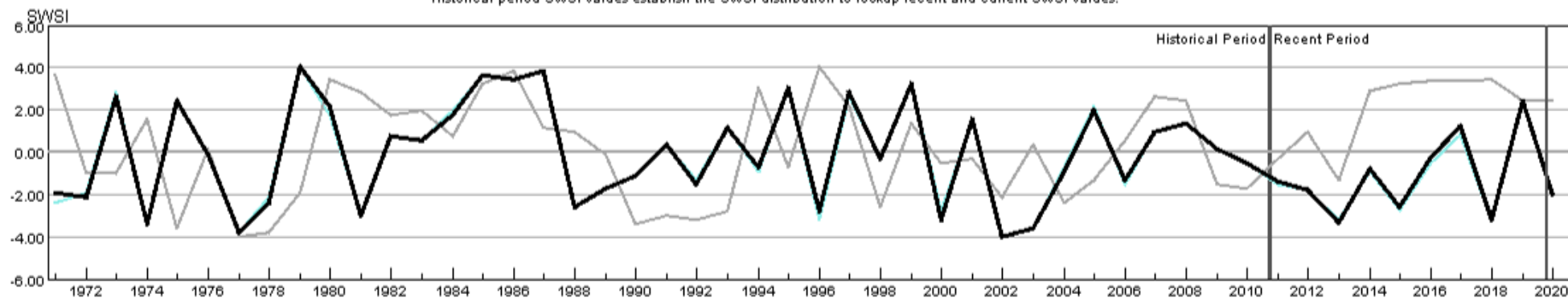
Monthly component volumes



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

HUC 13010001 (Rio Grande Headwaters) SWSI Values - APR

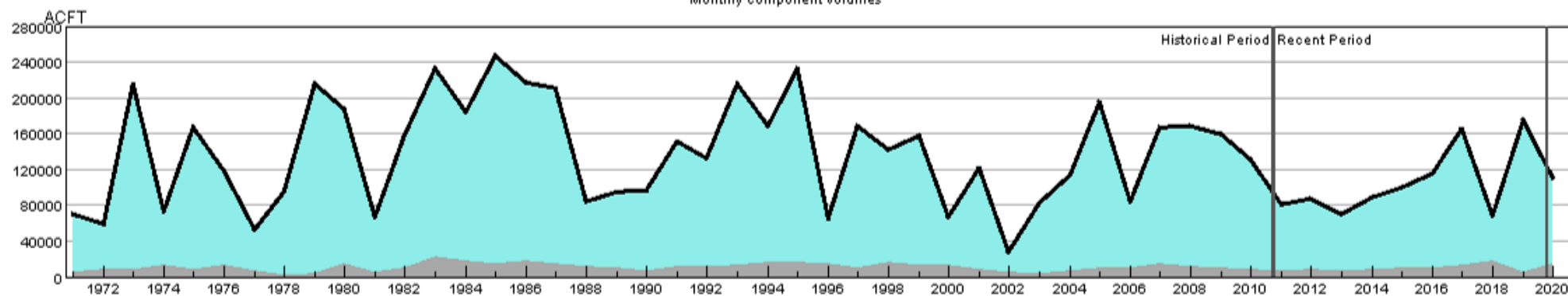
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

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

Monthly component volumes



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

HUC 13010002 (Alamosa-Trinchera) SWSI Values - APR

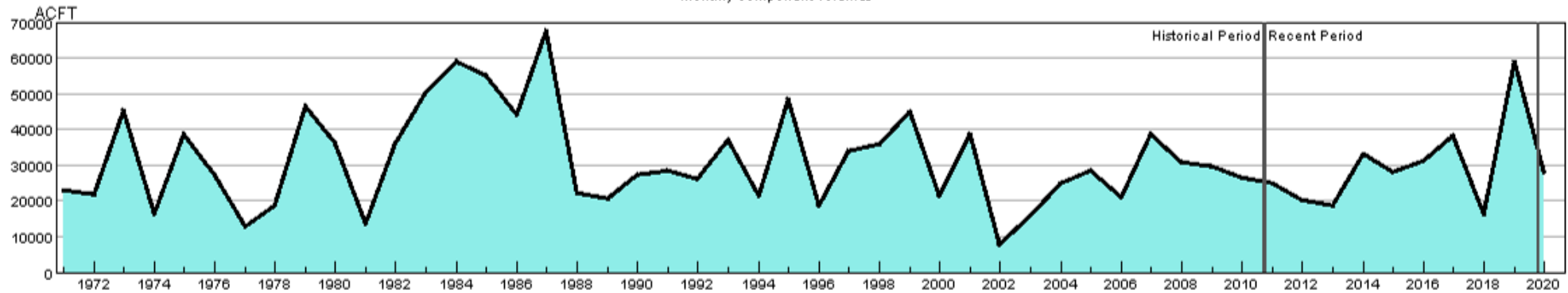
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 13010004 (Saguache) Surface Water Supply - APR

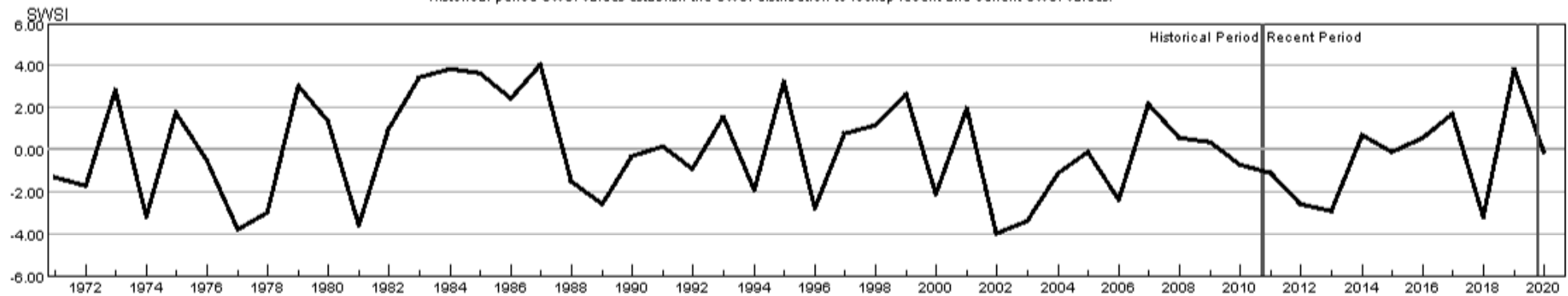
Monthly component volumes



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

HUC 13010004 (Saguache) SWSI Values - APR

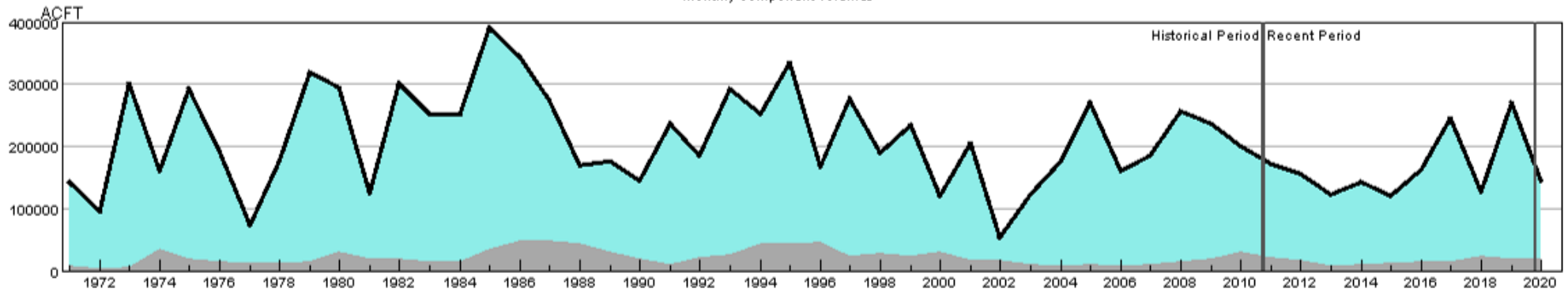
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 13010005 (Conejos) Surface Water Supply - APR

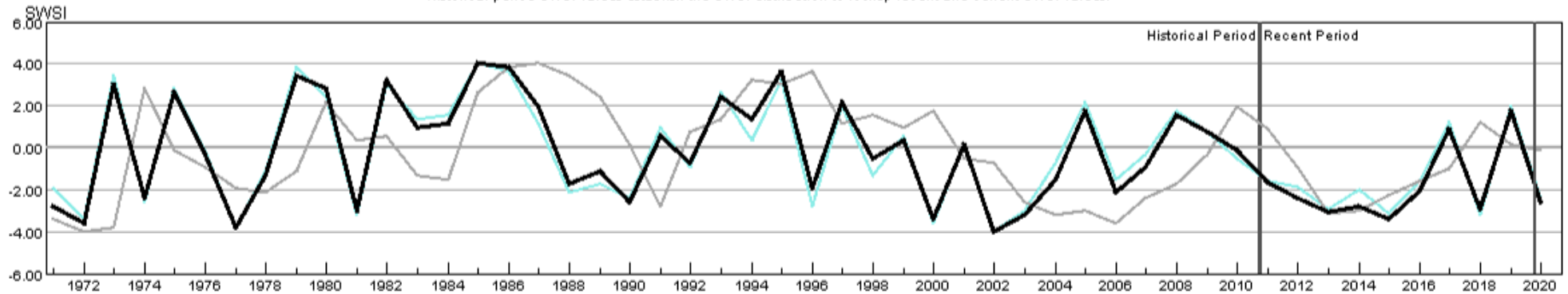
Monthly component volumes



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

HUC 13010005 (Conejos) SWSI Values - APR

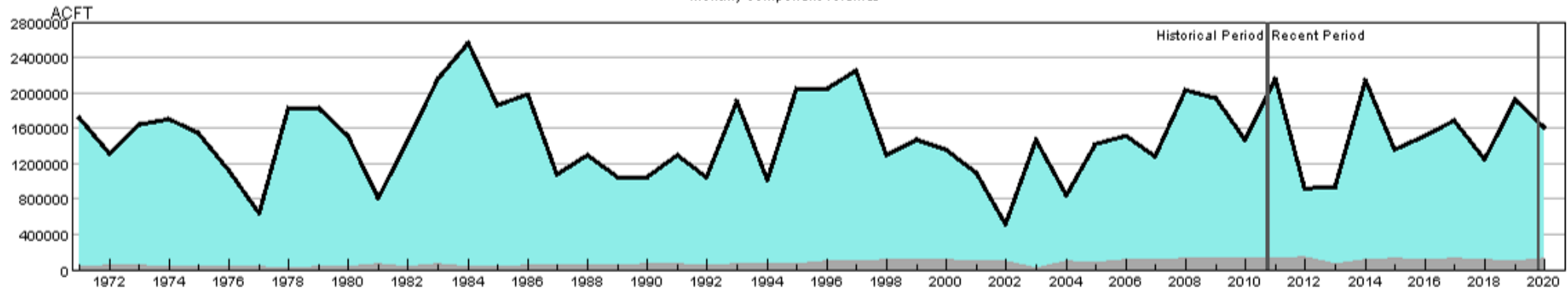
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14010001 (Colorado Headwaters) Surface Water Supply - APR

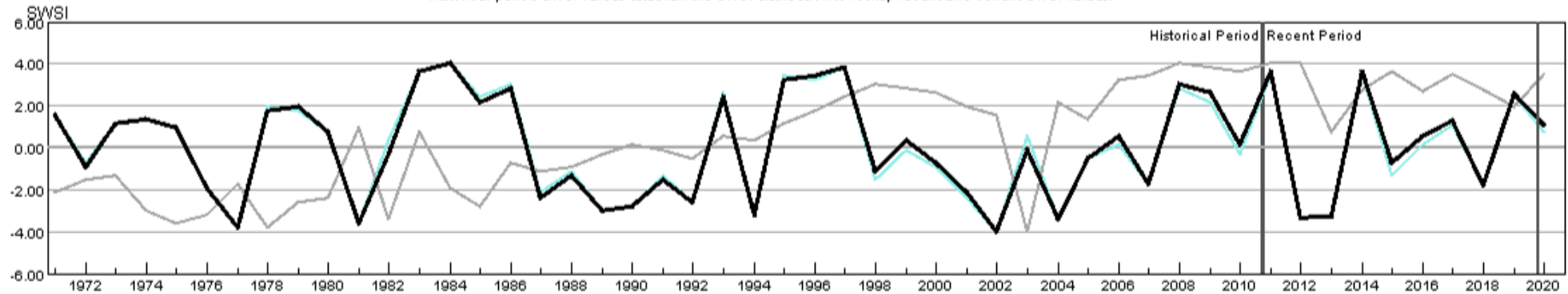
Monthly component volumes



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

HUC 14010001 (Colorado Headwaters) SWSI Values - APR

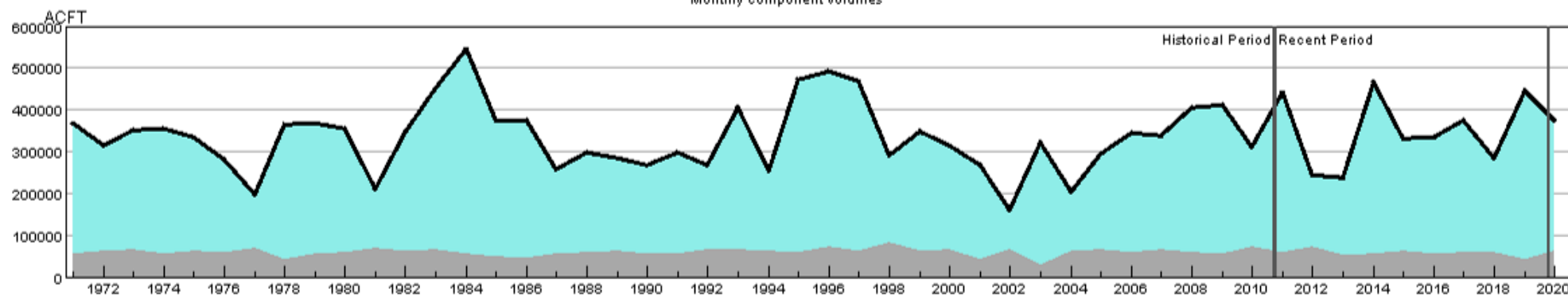
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14010002 (Blue) Surface Water Supply - APR

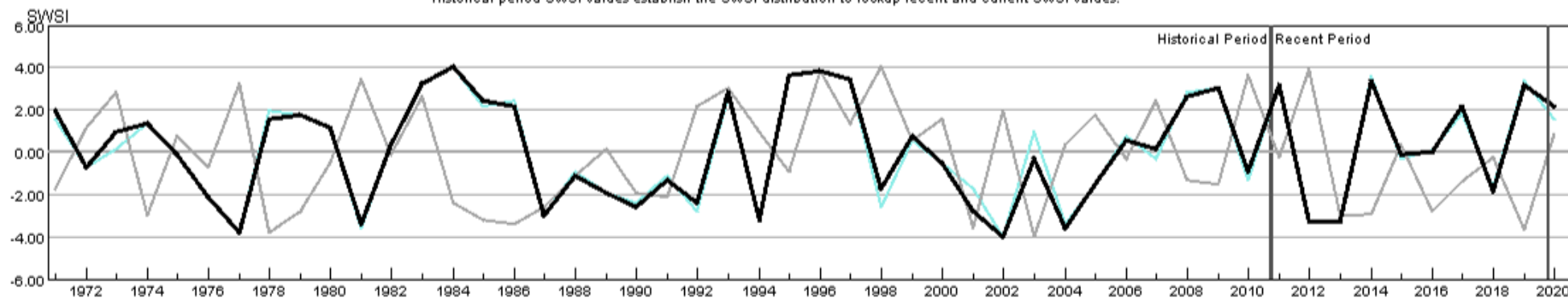
Monthly component volumes



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

HUC 14010002 (Blue) SWSI Values - APR

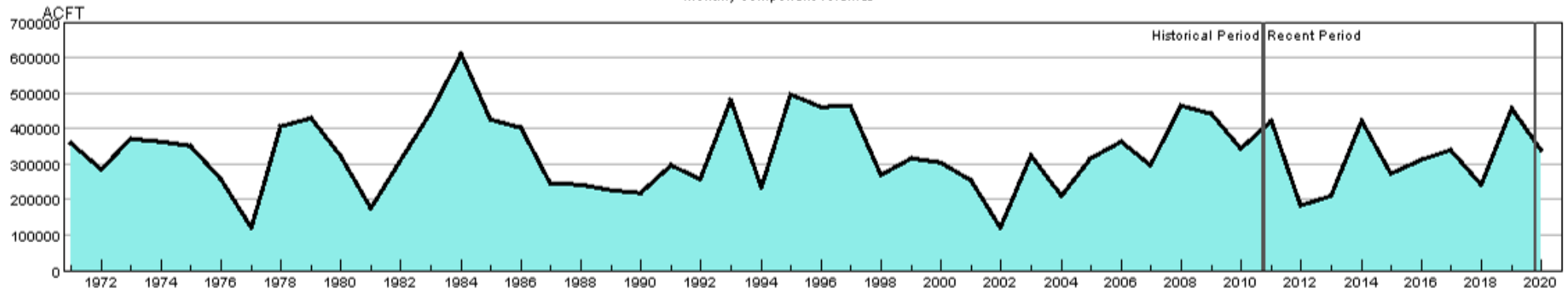
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14010003 (Eagle) Surface Water Supply - APR

Monthly component volumes



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

HUC 14010003 (Eagle) SWSI Values - APR

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



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

HUC 14010004 (Roaring Fork) Surface Water Supply - APR

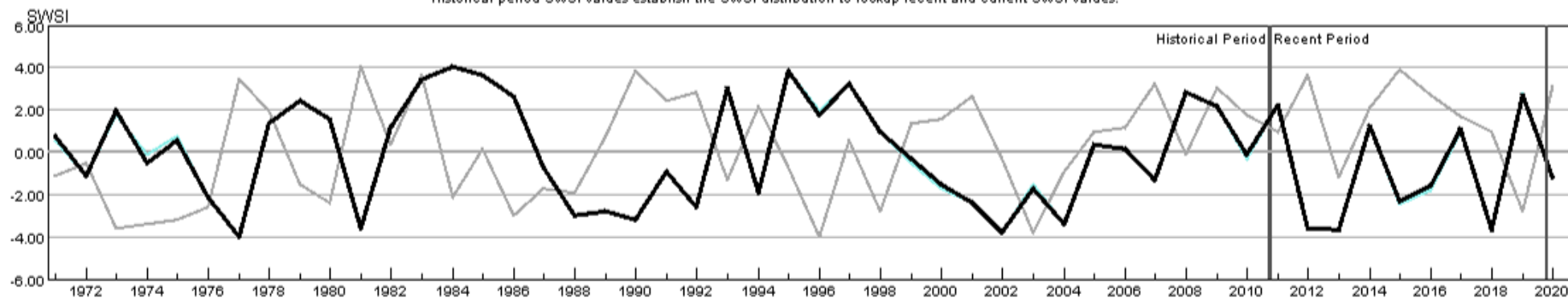
Monthly component volumes



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

HUC 14010004 (Roaring Fork) SWSI Values - APR

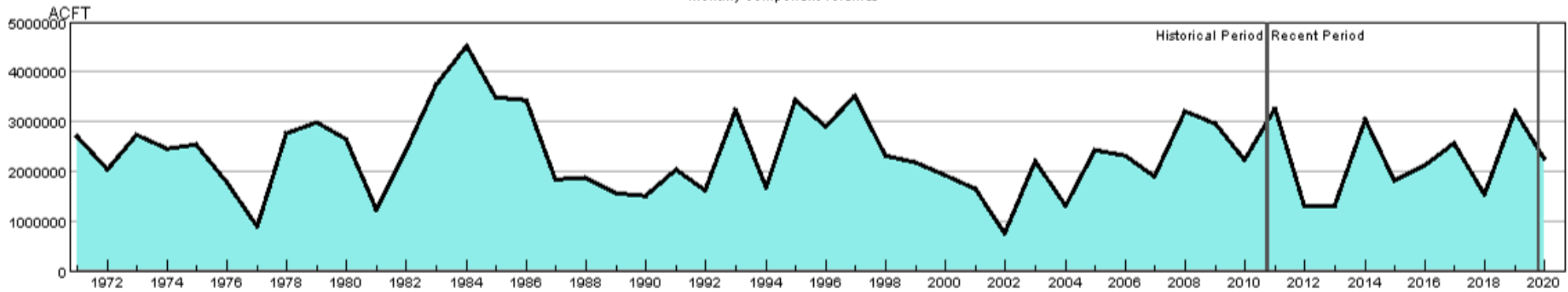
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

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

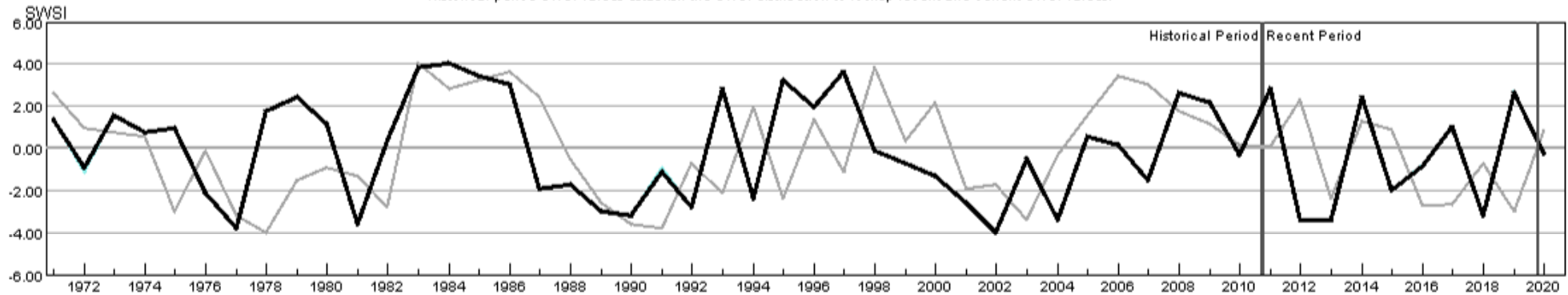
Monthly component volumes



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

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

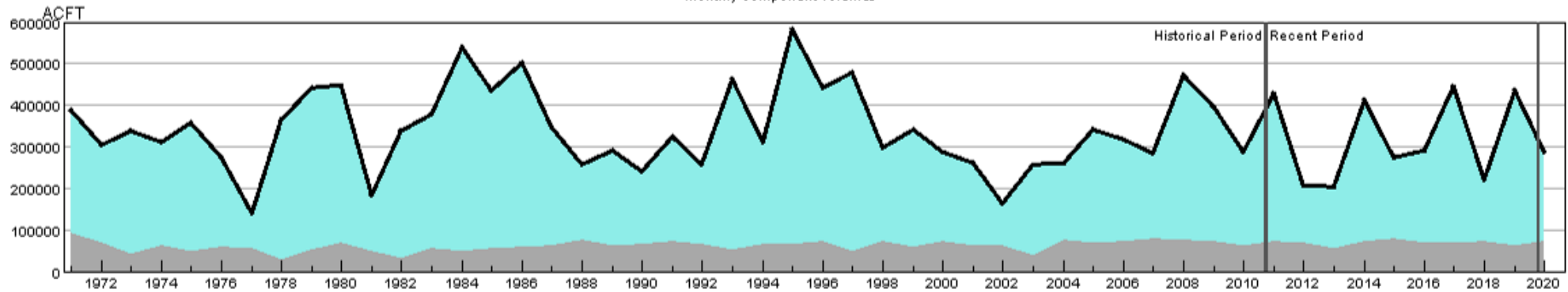
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

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

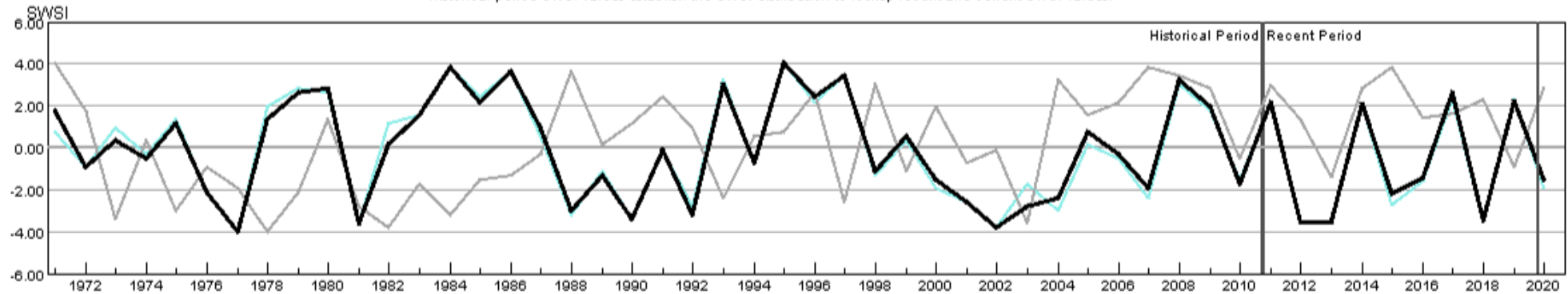
Monthly component volumes



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

HUC 14020001 (East-Taylor) SWSI Values - APR

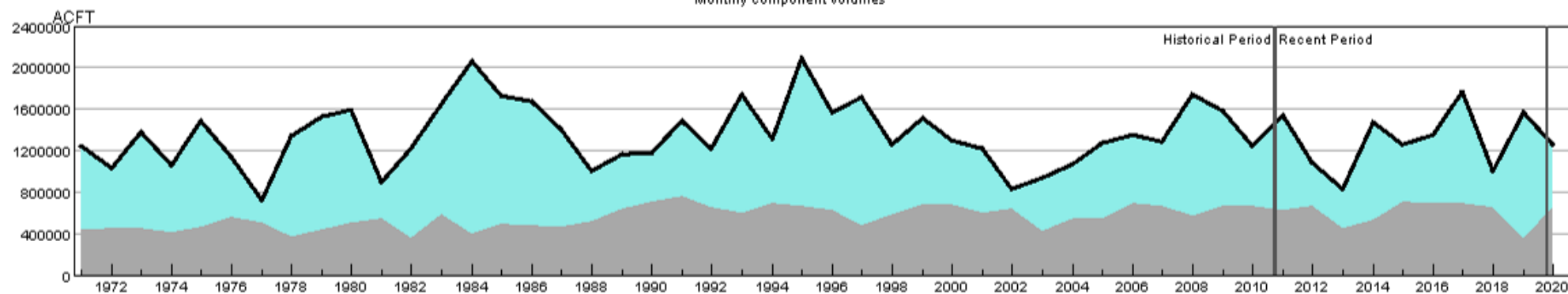
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14020002 (Upper Gunnison) Surface Water Supply - APR

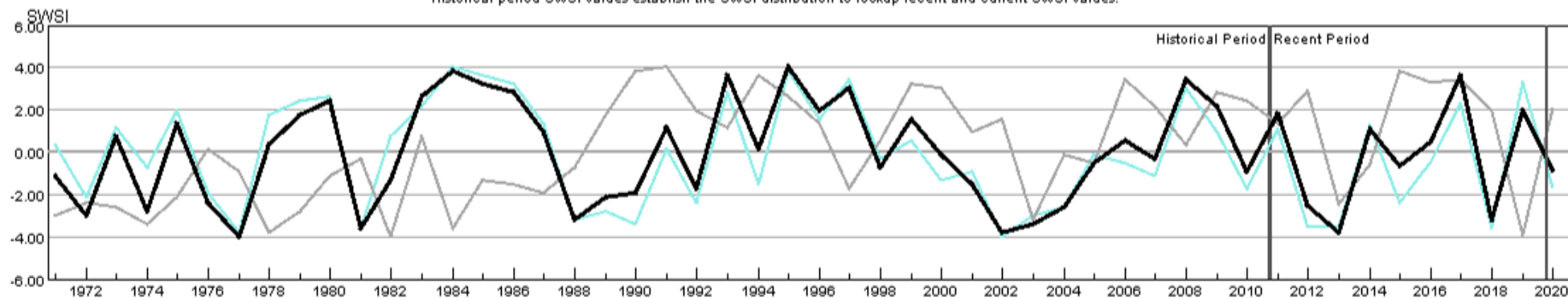
Monthly component volumes



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

HUC 14020002 (Upper Gunnison) SWSI Values - APR

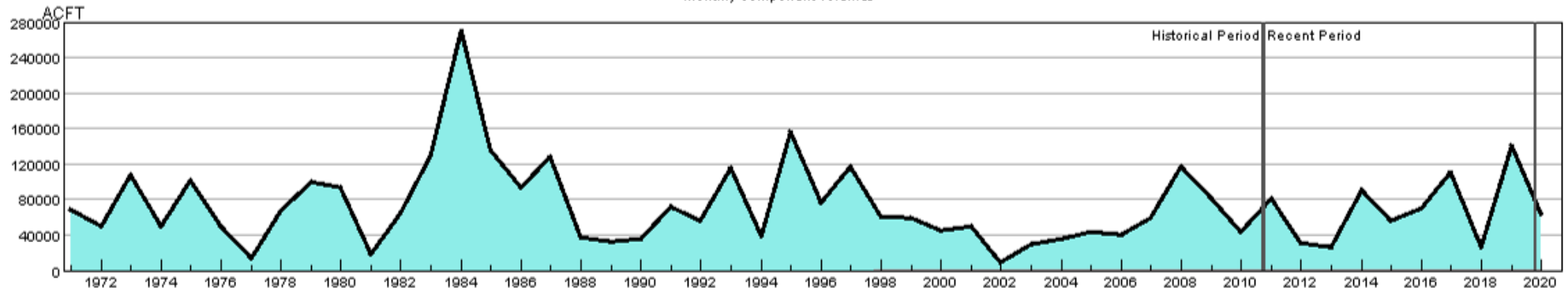
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14020003 (Tomichi) Surface Water Supply - APR

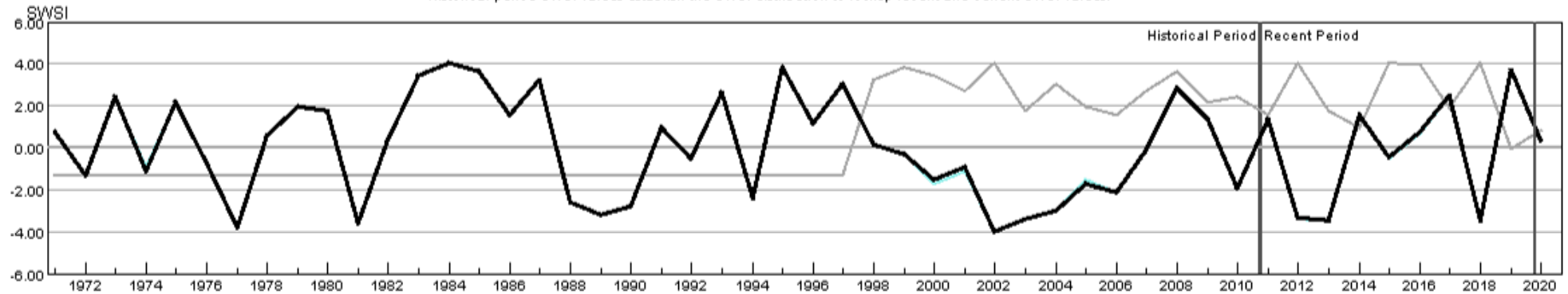
Monthly component volumes



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

HUC 14020003 (Tomichi) SWSI Values - APR

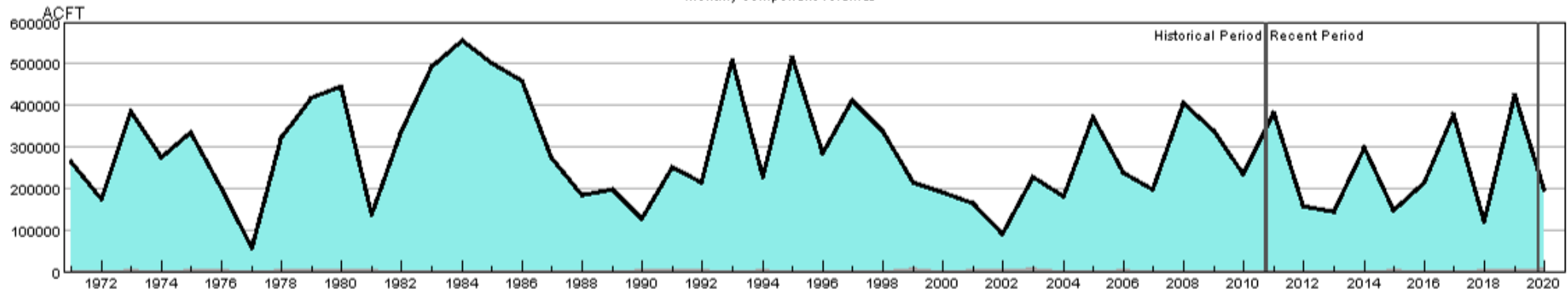
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

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

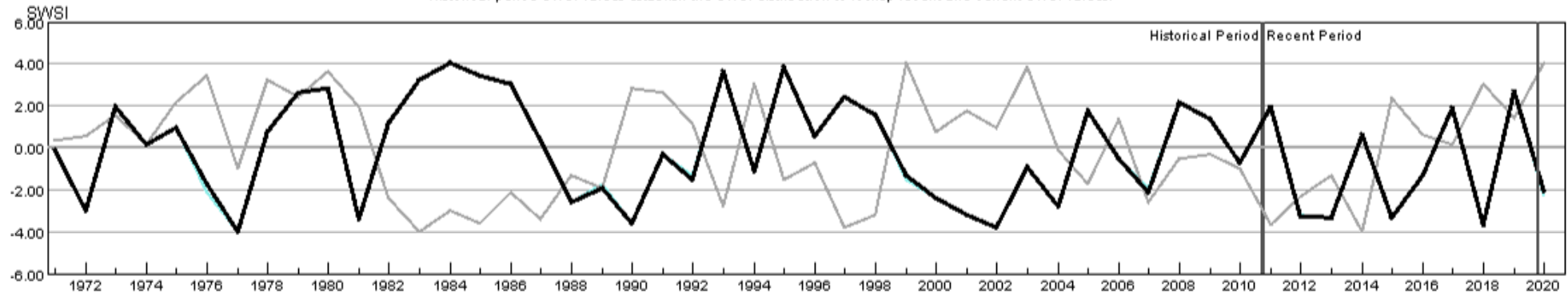
Monthly component volumes



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

HUC 14020004 (North Fork Gunnison) SWSI Values - APR

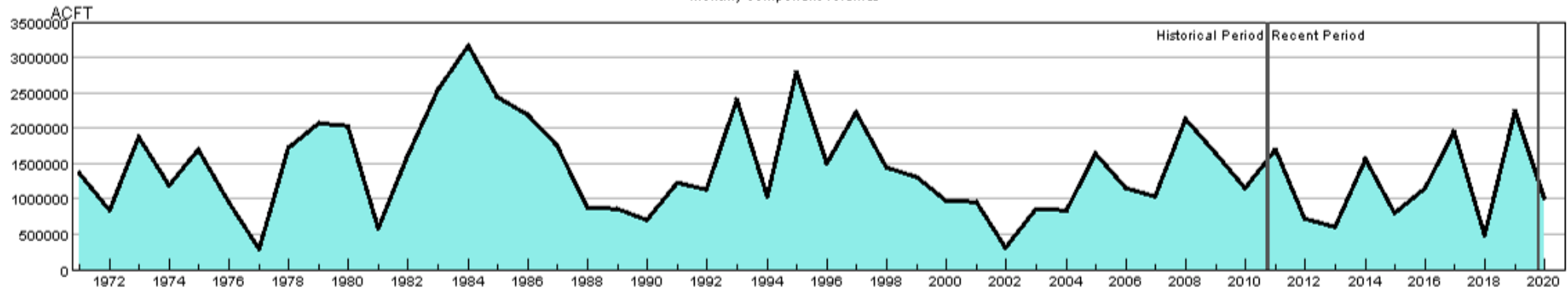
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14020005 (Lower Gunnison) Surface Water Supply - APR

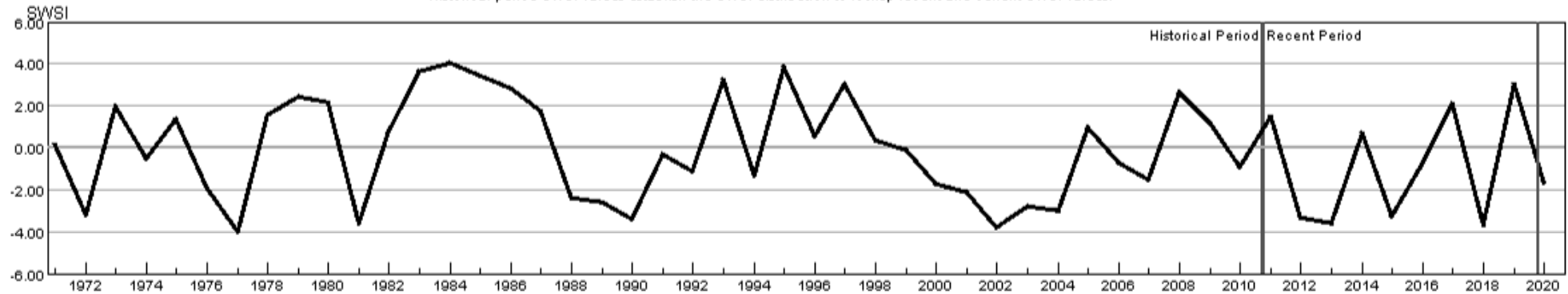
Monthly component volumes



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

HUC 14020005 (Lower Gunnison) SWSI Values - APR

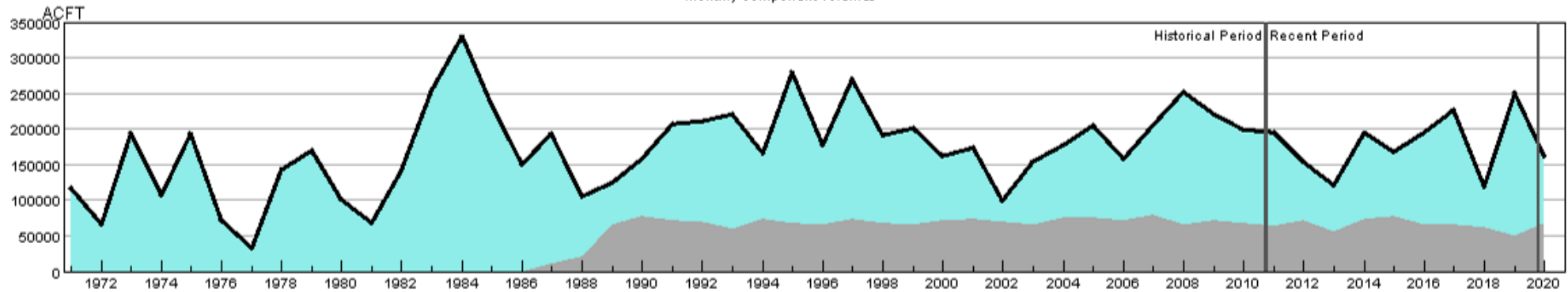
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14020006 (Uncompahgre) Surface Water Supply - APR

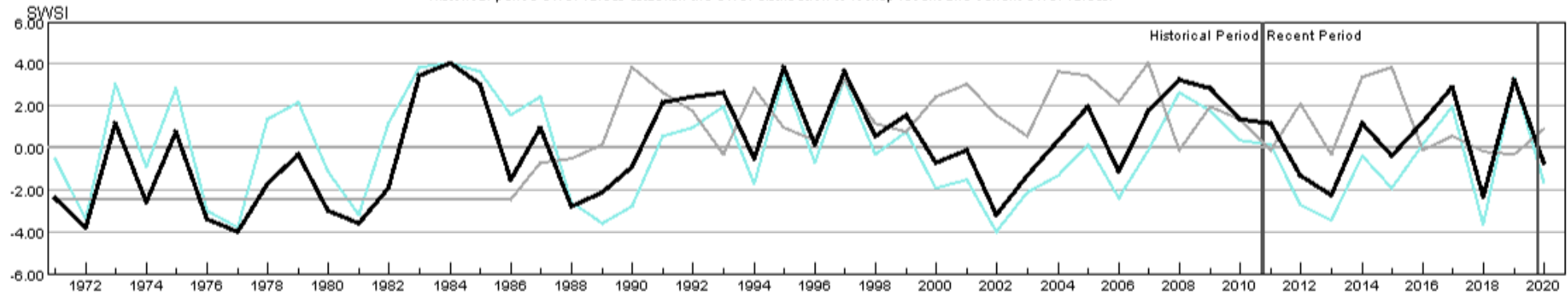
Monthly component volumes



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

HUC 14020006 (Uncompahgre) SWSI Values - APR

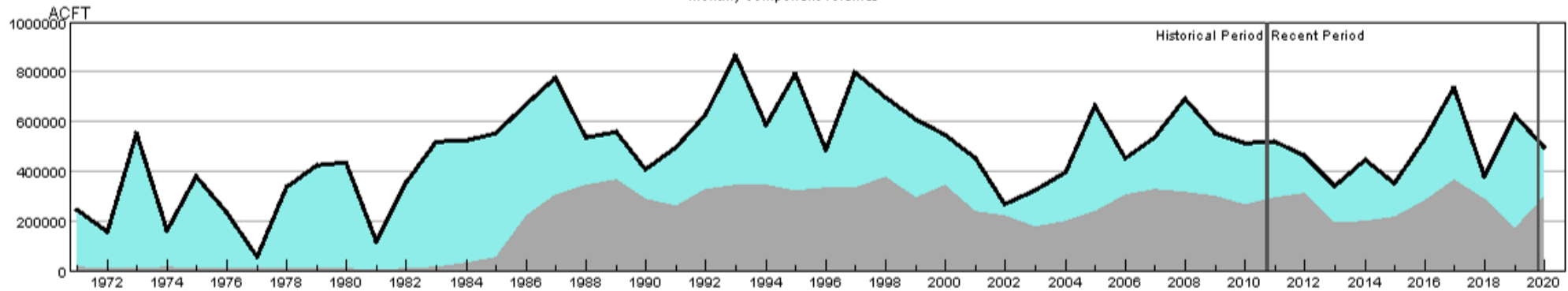
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14030002 (Upper Dolores) Surface Water Supply - APR

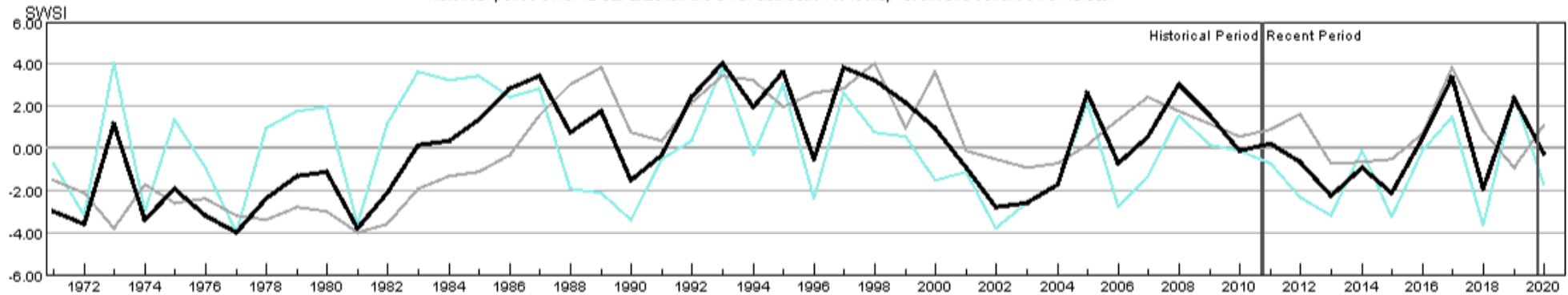
Monthly component volumes



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

HUC 14030002 (Upper Dolores) SWSI Values - APR

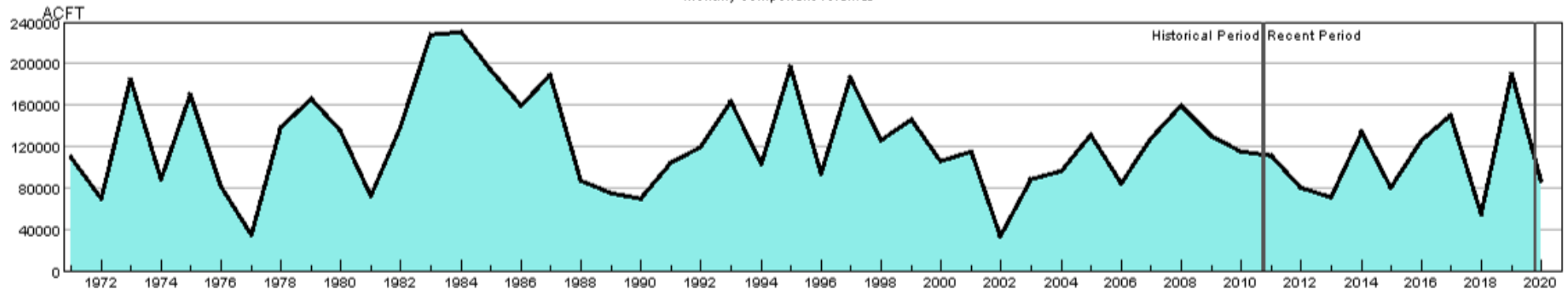
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14030003 (San Miguel) Surface Water Supply - APR

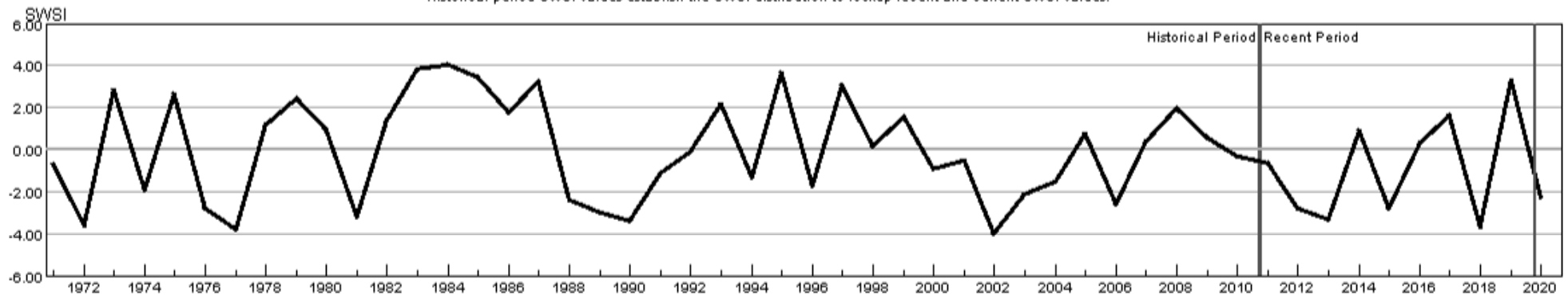
Monthly component volumes



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

HUC 14030003 (San Miguel) SWSI Values - APR

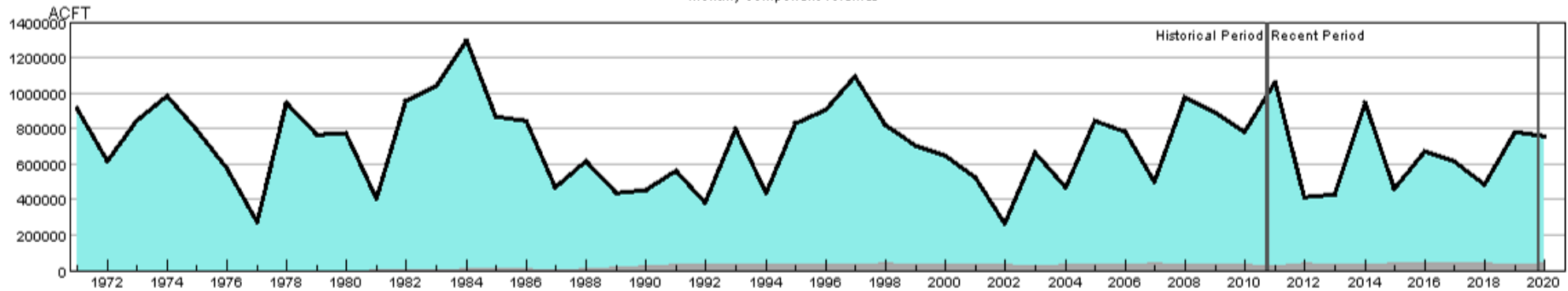
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14050001 (Upper Yampa) Surface Water Supply - APR

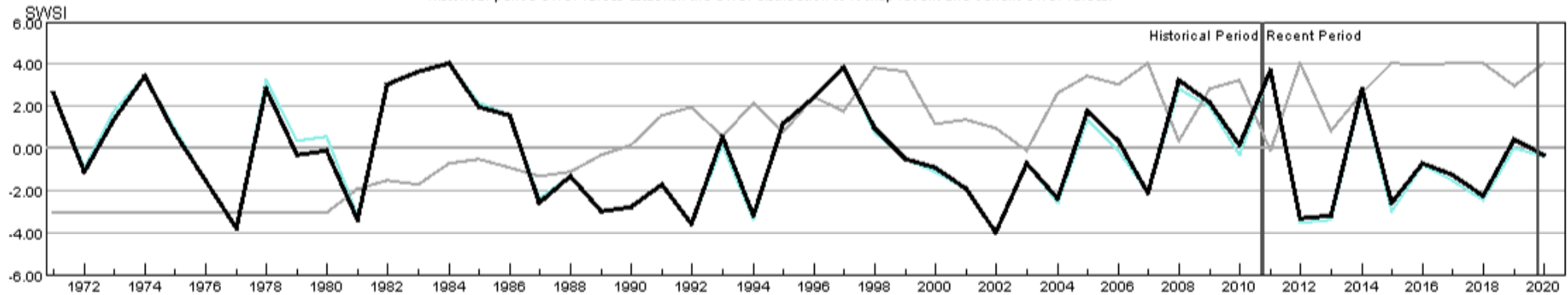
Monthly component volumes



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

HUC 14050001 (Upper Yampa) SWSI Values - APR

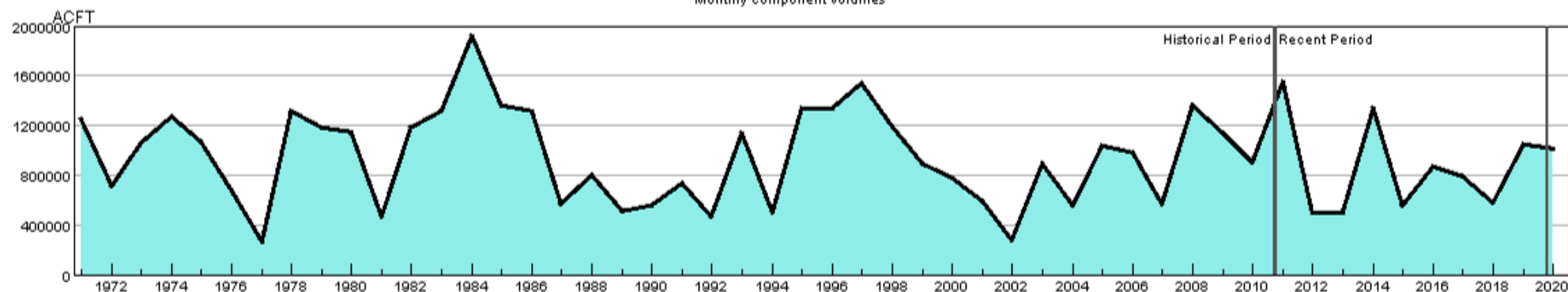
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14050002 (Lower Yampa) Surface Water Supply - APR

Monthly component volumes



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

HUC 14050002 (Lower Yampa) SWSI Values - APR

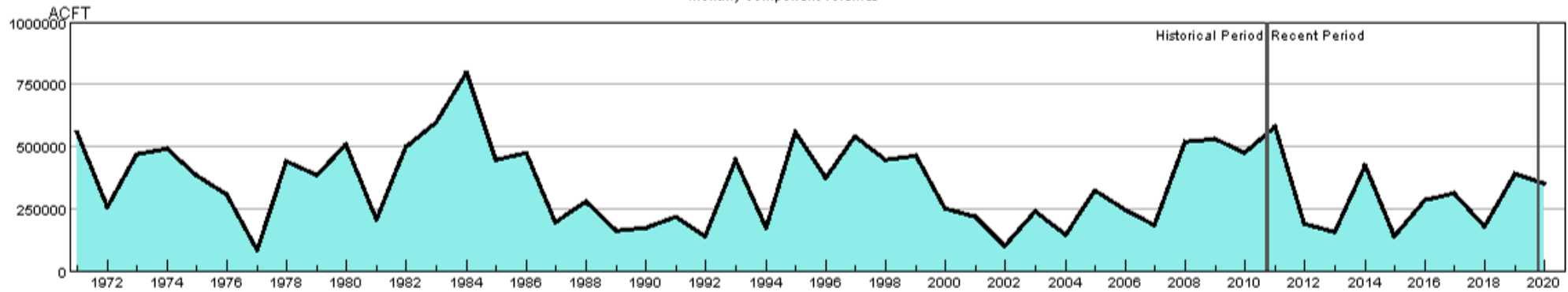
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14050003 (Little Snake) Surface Water Supply - APR

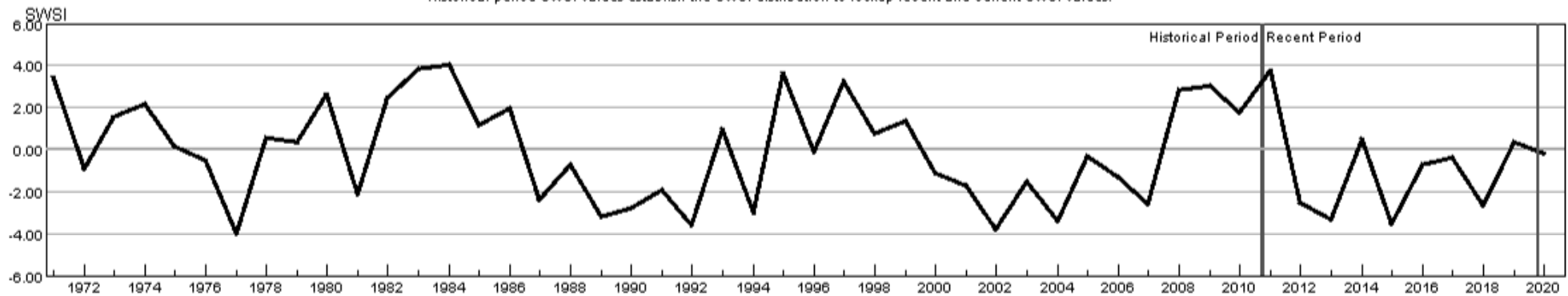
Monthly component volumes



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

HUC 14050003 (Little Snake) SWSI Values - APR

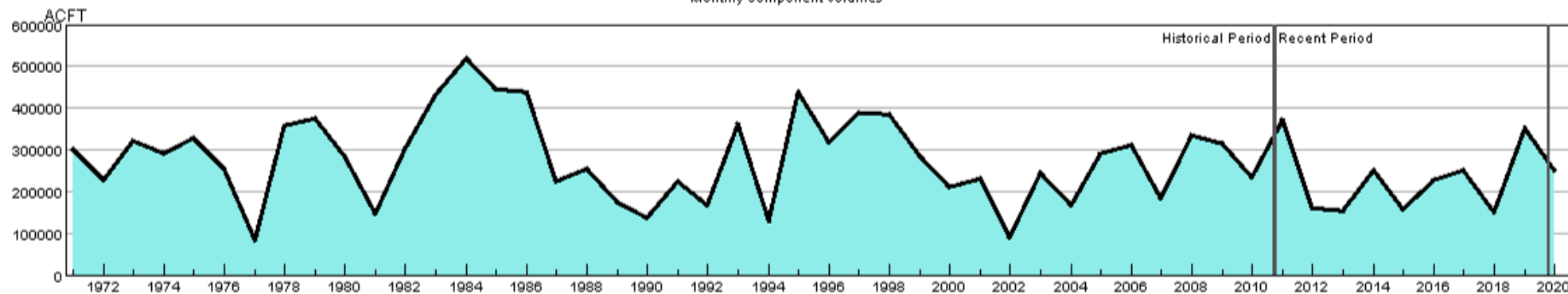
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14050005 (Upper White) Surface Water Supply - APR

Monthly component volumes



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

HUC 14050005 (Upper White) SWSI Values - APR

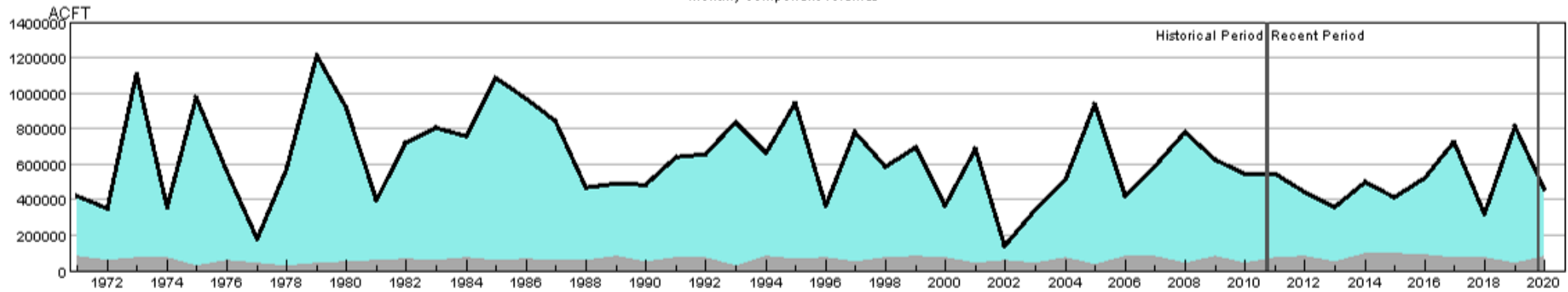
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

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

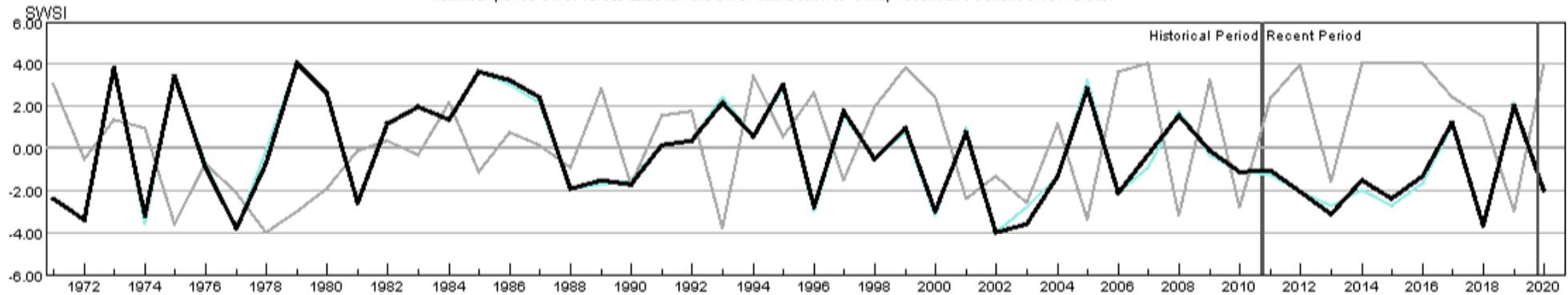
Monthly component volumes



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

HUC 14080101 (Upper San Juan) SWSI Values - APR

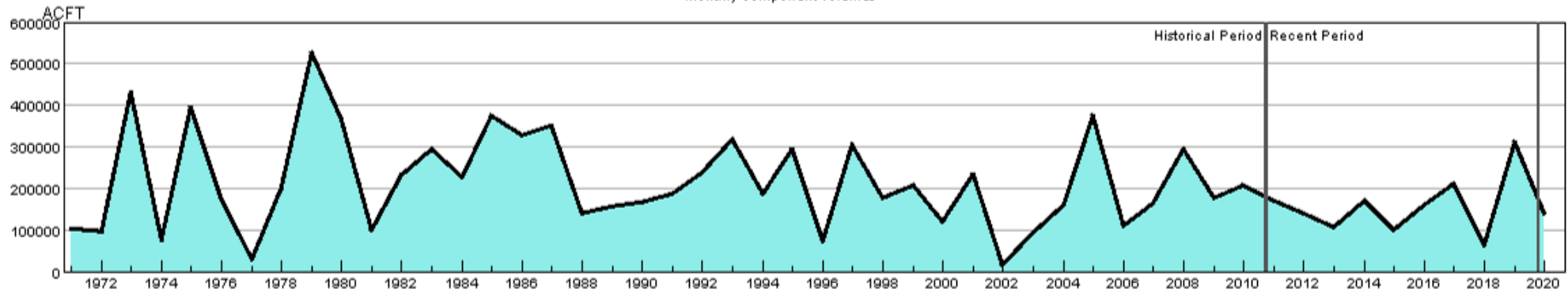
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14080102 (Piedra) Surface Water Supply - APR

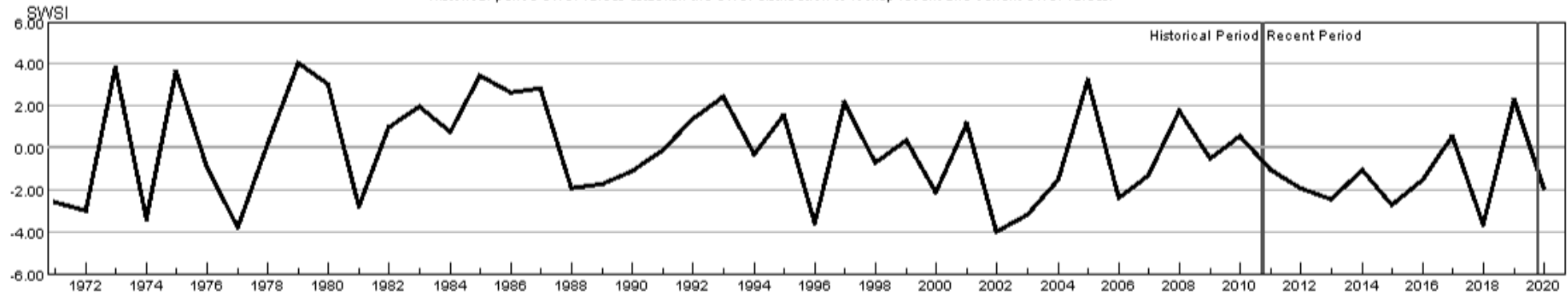
Monthly component volumes



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

HUC 14080102 (Piedra) SWSI Values - APR

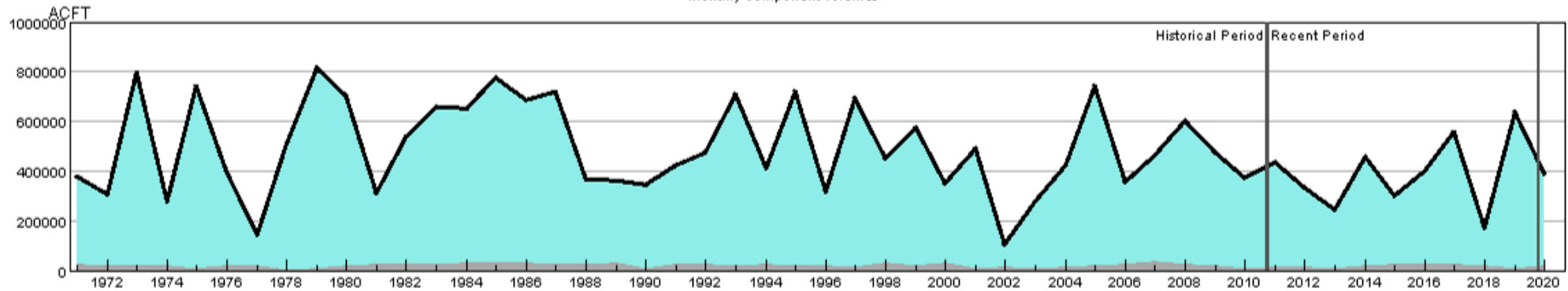
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14080104 (Animas) Surface Water Supply - APR

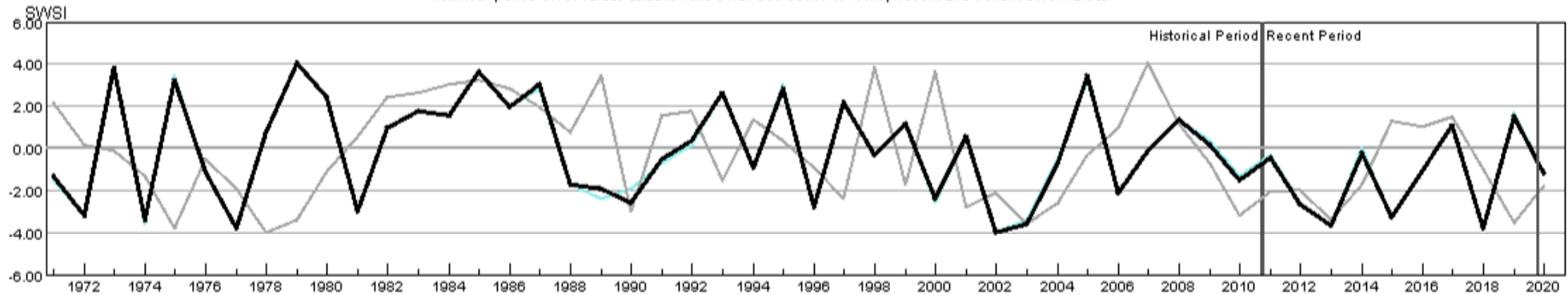
Monthly component volumes



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

HUC 14080104 (Animas) SWSI Values - APR

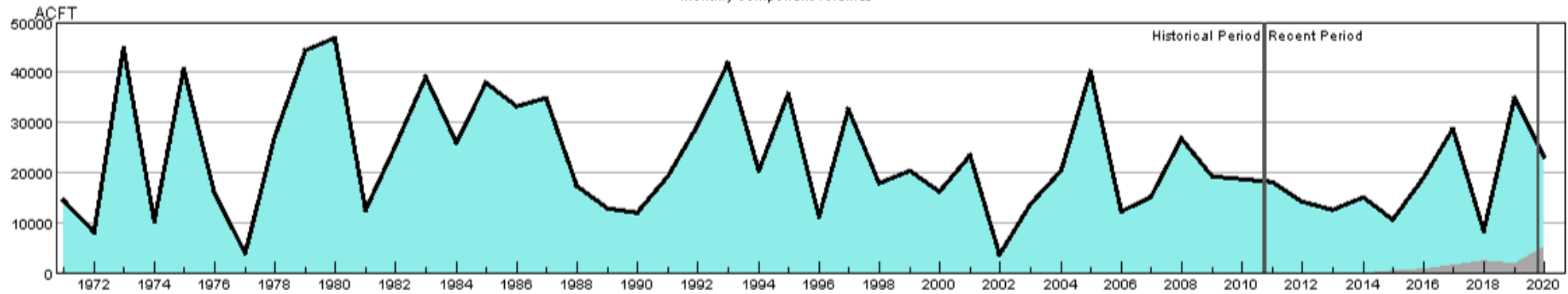
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

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

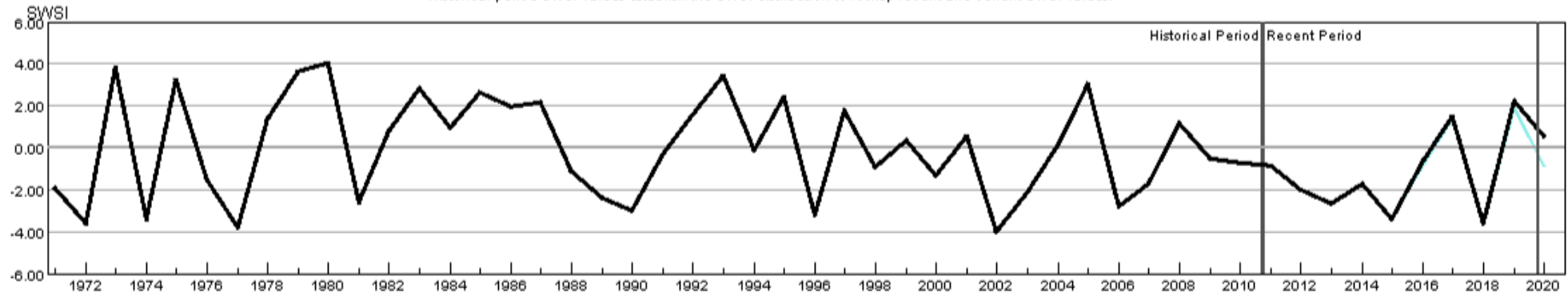
Monthly component volumes



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

HUC 14080105 (Middle San Juan) SWSI Values - APR

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



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