
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, 2018

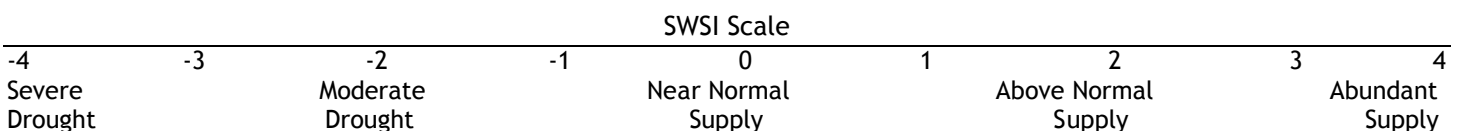
The Surface Water Supply Index (SWSI) is used as an indicator of water supply conditions in the seven major river basins of the state and in each of the 41 smaller watersheds, or HUCs. The Colorado Water Conservation Board (CWCB) completed a major revision to the Colorado Drought Plan in 2010. At that 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

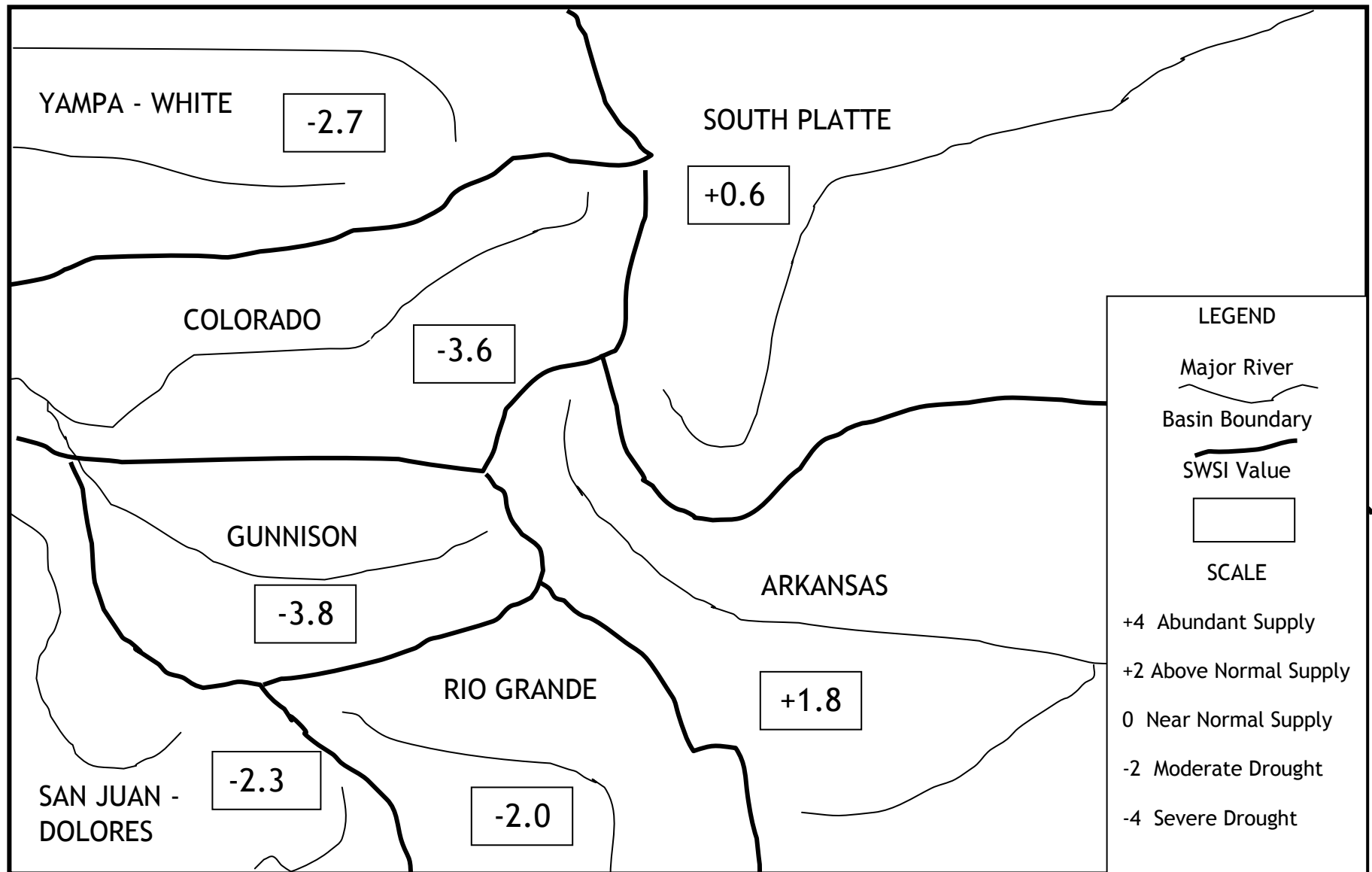
In 2015, CWCB and the Division of Water Resources (DWR) (both Divisions of the Colorado Department of Natural Resources) completed a software project to implement an automated calculation of the SWSI and to document the underlying hydrologic data. July 1, 2015 was the first month that the automated DNR 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 summer season (July 1 to September 1) is based on the previous month's natural streamflow (the estimate of flow without the impacts of diversions and imports), combined with reservoir storage at the end of last month, in this case August 31. The following SWSI values were computed for each of the seven major basins for September 1, 2018. Water supply conditions are well below normal in all but the South Platte and Arkansas River basins. Those two basins have streamflow well below normal, but the SWSI is moderated by strong reservoir storage volumes, though the reservoir storage is declining in the Arkansas River basin. Each basin, except for the Rio Grande and Gunnison has improved since August 1.

Basin	September 1 SWSI	Change from Previous Month	Change from Previous Year
Arkansas	1.8	0.2	-1.3
Colorado	-3.6	0.1	-4.5
Gunnison	-3.8	0.0	-6.8
Rio Grande	-2.0	-0.2	-4.8
San Juan-Dolores	-2.3	0.3	-4.8
South Platte	0.6	0.8	-2.5
Yampa-White	-2.7	0.7	-3.2



SURFACE WATER SUPPLY INDEX FOR COLORADO BY MAJOR RIVER BASIN



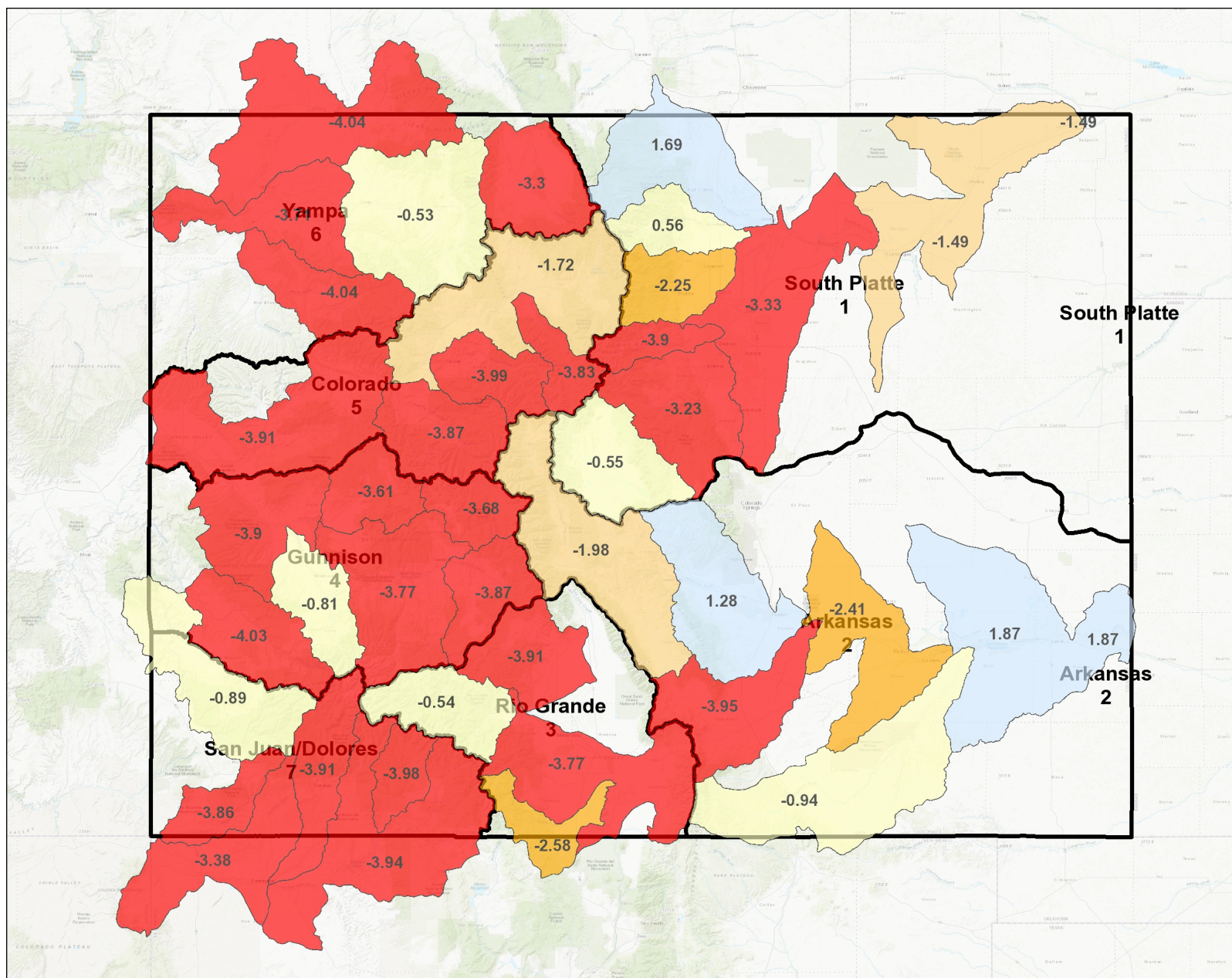
September 1, 2018



CDSS

Colorado's Decision Support Systems

SWSI September 1, 2018



Legend

SWSI - Current Report

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

Location



Notes

113.64 0 56.82 113.64 Miles

1: 3,600,000



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

Date Prepared: 9/11/2018 7:05:01 AM

September 1, 2018 SWSI Values by HUC and Non Exceedance Probabilities (NEP)

Basin	HUC ID	HUC Name	SWSI	Reservoir Storage NEP	Prev. Month Streamflow NEP	Total Vol (AF)
Arkansas	11020006	Huerfano	-3.95	36	3	810
	11020010	Purgatoire	-0.95	79	4	20,461
	11020005	Upper Arkansas-Lake Meredith	-2.42	64	3	45,030
	11020009	Upper Arkansas-John Martin Reservoir	1.87	18	3	189,187
	11020001	Arkansas Headwaters	-1.99	75	5	193,054
	11020002	Upper Arkansas	1.28	53	3	220,523
Colorado	14010003	Eagle	-3.99	70	2	7,768
	14010005	Colorado Headwaters-Plateau	-3.92	5	3	77,671
	14010002	Blue	-3.84	N/A	2	99,187
	14010004	Roaring Fork	-3.87	3	4	99,501
	14010001	Colorado Headwaters	-1.72	10	3	175,444
Gunnison	14020003	Tomichi	-3.87	7	3	2,996
	14030003	San Miguel	-4.04	5	2	3,529
	14020004	North Fork Gunnison	-3.61	50	4	4,288
	14020005	Lower Gunnison	-3.91	15	3	36,520
	14020006	Uncompahgre	-0.81	N/A	2	46,641
	14020001	East-Taylor	-3.69	42	2	70,331
	14020002	Upper Gunnison	-3.77	N/A	3	464,051
Rio Grande	13010004	Saguache	-3.91	91	3	1,273
	13010002	Alamosa-Trinchera	-3.78	26	3	5,671
	13010005	Conejos	-2.58	N/A	1	19,800
	13010001	Rio Grande Headwaters	-0.54	41	2	48,413
San Juan-Dolores	14080105	Middle San Juan	-3.38	40	3	496
	14080102	Piedra	-3.98	6	2	1,330
	14080107	Mancos	-3.87	N/A	24	2,126
	14080104	Animas	-3.91	6	3	16,351
	14080101	Upper San Juan	-3.95	50	3	29,639
	14030002	Upper Dolores	-0.89	4	19	180,254
South Platte	10190004	Clear	-3.90	56	3	5,706
	10190005	St. Vrain	-2.26	16	3	66,690
	10190003	Middle South Platte-Cherry Creek	-3.33	37	3	91,993
	10190012	Middle South Platte-Sterling	-1.49	N/A	3	124,393
	10190007	Cache La Poudre	1.70	51	21	148,190
	10190001	South Platte Headwater	-0.55	57	2	161,231
	10190002	Upper South Platte	-3.24	77	3	281,032
	10190006	Big Thompson	0.57	64	3	518,556
Yampa-White	14050003	Little Snake	-4.04	N/A	1	100
	14050002	Lower Yampa	-3.71	60	5	2,674
	10180001	North Platte Headwaters	-3.31	N/A	10	7,121
	14050005	Upper White	-4.04	N/A	1	7,452
	14050001	Upper Yampa	-0.53	N/A	2	39,688

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)

September 1, 2018 SWSI Component Information - Streamflow Forecast & Reservoir Storage - By HUC

HUC Name	Component Name	Component Volume (AF)	Component NEP for Month
Arkansas Headwaters	CLEAR CREEK RESERVOIR	5,900	50
	ARKANSAS RIVER AT SALIDA	12,314	5
	TWIN LAKES RESERVOIR	29,402	19
	HOMESTAKE RESERVOIR	41,600	74
	TURQUOISE LAKE	103,838	35
Huerfano	CUCHARAS RESERVOIR*	0	18
	CUCHARAS RIVER AT BOYD RANCH NR LA VETA	183	3
	HUERFANO RIVER NEAR REDWING	627	4
Purgatoire	PURGATOIRE RIVER AT TRINIDAD	1,161	4
	TRINIDAD LAKE	19,300	53
Upper Arkansas	PUEBLO RESERVOIR INFLOW	18,323	3
	PUEBLO RESERVOIR	202,200	79
Upper Arkansas-John Martin Reservoir	CUCHARAS RIVER AT BOYD RANCH NR LA VETA	183	3
	HUERFANO RIVER NEAR REDWING	627	4
	PURGATOIRE RIVER AT TRINIDAD	1,161	4
	ADOBE CREEK RESERVOIR	13,364	37
	PUEBLO RESERVOIR INFLOW	18,323	3
	JOHN MARTIN RESERVOIR	155,529	77
Upper Arkansas-Lake Meredith	CUCHARAS RIVER AT BOYD RANCH NR LA VETA	183	3
	HUERFANO RIVER NEAR REDWING	627	4
	LAKE HENRY	5,573	73
	PUEBLO RESERVOIR INFLOW	18,323	3
	MEREDITH RESERVOIR	20,324	64
Blue	BLUE RIVER INFLOW TO GREEN MOUNTAIN RES	12,440	2
	GREEN MOUNTAIN RESERVOIR	86,747	5
Colorado Headwaters	WOLFORD MOUNTAIN RESERVOIR	39,840	66
	COLORADO RIVER NEAR DOTSERO	50,704	3
	WILLIAMS FORK RESERVOIR	84,900	57
Colorado Headwaters-Plateau	VEGA RESERVOIR	5,255	10
	COLORADO RIVER NEAR CAMEO	72,416	3
Eagle	EAGLE RIVER BELOW GYPSUM	7,768	2
Roaring Fork	ROARING FORK AT GLENWOOD SPRINGS	20,503	4
	RUEDI RESERVOIR	78,998	3
East-Taylor	TAYLOR R INF TO TAYLOR PARK RESERVOIR	3,193	3
	EAST RIVER AT ALMONT	4,147	1
	TAYLOR PARK RESERVOIR	62,991	7
Lower Gunnison	GUNNISON RIVER NR GRAND JUNCTION	36,520	3
North Fork Gunnison	PAONIA RESERVOIR	1,004	15
	NORTH FORK GUNNISON R NR SOMERSET	3,284	4
San Miguel	SAN MIGUEL RIVER NEAR PLACERVILLE	3,529	2
Tomichi	VOUGA RESERVOIR NEAR DOYLEVILLE	181	50
	TOMICHI CREEK AT GUNNISON, CO	2,815	3

HUC Name	Component Name	Component Volume (AF)	Component NEP for Month
Uncompahgre	UNCOMPAHGRE RIVER AT COLONA	2,481	2
	RIDGEWAY RESERVOIR	44,160	42
Upper Gunnison	FRUITLAND RESERVOIR	200	54
	CRAWFORD RESERVOIR	1,289	4
	SILVER JACK RESERVOIR	1,732	1
	LAKE FORK AT GATEVIEW, CO	5,028	4
	GUNNISON RIVER NEAR GUNNISON, CO	9,625	2
	MORROW POINT RESERVOIR	112,183	20
	BLUE MESA RESERVOIR	333,994	5
Alamosa-Trinchera	SANGRE DE CRISTO	13	2
	TRINCHERA CK	157	2
	UTE CREEK	295	6
	MOUNTAIN HOME	425	3
	CULEBRA CREEK AT SAN LUIS	596	12
	ALAMOSA CREEK ABOVE TERRACE RESERVOIR	1,085	4
	TERRACE RESERVOIR	3,100	38
Conejos	CONEJOS RIVER NEAR MOGOTE	0	1
	PLATORO RESERVOIR	19,800	41
Rio Grande Headwaters	RIO GRANDE RESERVOIR	3,400	30
	RIO GRANDE NEAR DEL NORTE	7,213	2
	CONTINENTAL RESERVOIR	16,800	99
	SANTA MARIA RESERVOIR	21,000	93
Saguache	SAGUACHE CREEK NEAR SAGUACHE, CO	1,273	3
Animas	FLORIDA RIVER INFLOW TO LEMON RESERVOIR	730	3
	LEMON RESERVOIR	5,694	6
	ANIMAS RIVER AT DURANGO	9,927	3
Mancos	MANCOS RIVER NEAR MANCOS	387	24
	JACKSON GULCH RESERVOIR	1,739	4
Middle San Juan	LONG HOLLOW RESERVOIR	209	50
	LA PLATA RIVER AT HESPERUS	287	3
Piedra	PIEDRA RIVER NEAR ARBOLES	1,330	2
Upper Dolores	GROUNDHOG RESERVOIR	2,200	1
	DOLORES RIVER BELOW MCPHEE RESERVOIR	7,807	19
	MCPHEE RESERVOIR	170,247	40
Upper San Juan	SAN JUAN RIVER NEAR CARRACAS	2,709	3
	LOS PINOS RIVER NEAR BAYFIELD	5,361	3
	VALLECITO RESERVOIR	21,569	6
Big Thompson	MARIANO RESERVOIR	1,000	39
	LONE TREE RESERVOIR	3,300	49
	LAKE LOVELAND RESERVOIR	3,700	8
	BIG THOMPSON R AT MOUTH, NR DRAKE, CO	4,792	3
	WILLOW CREEK RESERVOIR	7,235	20
	BOYD LAKE	31,600	61
	CARTER LAKE	61,930	53
	LAKE GRANBY	404,999	56

HUC Name	Component Name	Component Volume (AF)	Component NEP for Month
Cache La Poudre	CACHE LA POUDRE	2,700	43
	HALLIGAN RESERVOIR	3,800	44
	BLACK HOLLOW RESERVOIR	5,000	99
	CHAMBERS LAKE	5,300	80
	WINDSOR RESERVOIR	5,600	58
	FOSSIL CREEK RESERVOIR	6,300	94
	CACHE LA POUDRE R AT CANYON MOUTH	9,173	21
	COBB LAKE	15,800	61
	HORSETOOTH RESERVOIR	94,517	66
Clear	CLEAR CREEK AT GOLDEN	5,706	3
Middle South Platte-Cherry Creek	SOUTH BOULDER CK NR ELDORADO SPRINGS, CO	705	1
	HORSECREEK RESERVOIR	2,400	26
	BOULDER CREEK NEAR ORODELL	3,516	13
	SAINT VRAIN CREEK AT LYONS	4,569	3
	BIG THOMPSON R AT MOUTH, NR DRAKE, CO	4,792	3
	CLEAR CREEK AT GOLDEN	5,706	3
	SOUTH PLATTE RIVER AT SOUTH PLATTE	7,132	3
	CACHE LA POUDRE R AT CANYON MOUTH	9,173	21
	BARR LAKE	9,600	39
	MILTON RESERVOIR	10,100	66
	STANDLEY RESERVOIR	34,300	37
Middle South Platte-Sterling	SOUTH BOULDER CK NR ELDORADO SPRINGS, CO	705	1
	BOULDER CREEK NEAR ORODELL	3,516	13
	SAINT VRAIN CREEK AT LYONS	4,569	3
	BIG THOMPSON R AT MOUTH, NR DRAKE, CO	4,792	3
	CLEAR CREEK AT GOLDEN	5,706	3
	SOUTH PLATTE RIVER AT SOUTH PLATTE	7,132	3
	EMPIRE RESERVOIR	8,800	46
	CACHE LA POUDRE R AT CANYON MOUTH	9,173	21
	JULESBURG RESERVOIR	10,700	75
	PREWITT RESERVOIR	13,500	63
	JACKSON LAKE RESERVOIR	14,500	47
	RIVERSIDE RESERVOIR	19,000	69
	POINT OF ROCKS RESERVOIR	22,300	77
South Platte Headwater	ELEVENMILE CANYON RESV INFLOW	1,431	2
	ANTERO RESERVOIR	19,100	53
	SPINNEY MOUNTAIN RESERVOIR	42,000	61
	ELEVENMILE CANYON RESERVOIR	98,700	34
St. Vrain	SOUTH BOULDER CK NR ELDORADO SPRINGS, CO	705	1
	TERRY RESERVOIR	2,600	9
	BOULDER CREEK NEAR ORODELL	3,516	13
	SAINT VRAIN CREEK AT LYONS	4,569	3
	MARSHALL RESERVOIR	5,900	53
	UNION RESERVOIR	11,500	73
	BUTTONROCK (RALPH PRICE) RESERVOIR	15,900	51
	GROSS RESERVOIR	22,000	41

HUC Name	Component Name	Component Volume (AF)	Component NEP for Month
Upper South Platte	SOUTH PLATTE RIVER AT SOUTH PLATTE	7,132	3
	CHEESMAN LAKE	58,800	18
	DILLON RESERVOIR	215,100	13
Little Snake	LITTLE SNAKE RIVER NEAR LILY	100	1
Lower Yampa	YAMPA RIVER NEAR MAYBELL	2,674	5
North Platte Headwaters	NORTH PLATTE R NR NORTHGATE	7,121	10
Upper White	WHITE RIVER NEAR MEEKER	7,452	1
Upper Yampa	ELKHEAD CREEK ABOVE LONG GULCH	0	1
	YAMCOLO RESERVOIR	1,519	25
	YAMPA RIVER AT STEAMBOAT SPRINGS	1,968	1
	ELK RIVER NEAR MILNER, CO	2,901	3
	STAGECOACH RESERVOIR NR OAK CREEK	33,300	95

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

*Empty, filling restriction

Water Volume NEP Color Scale:

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

The SWSI value for the month was +0.6.

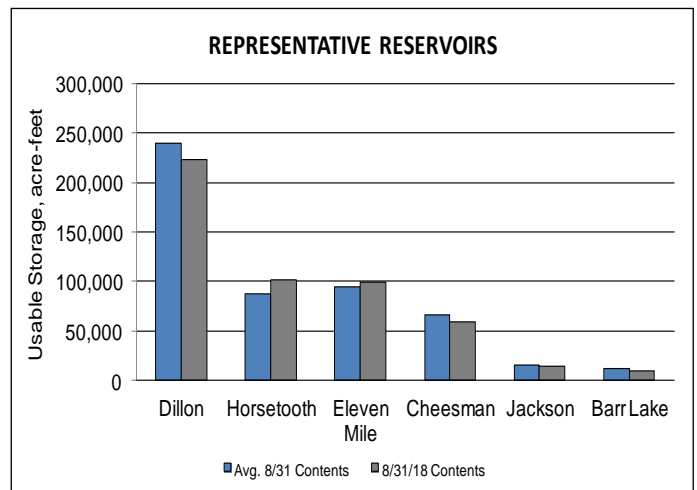
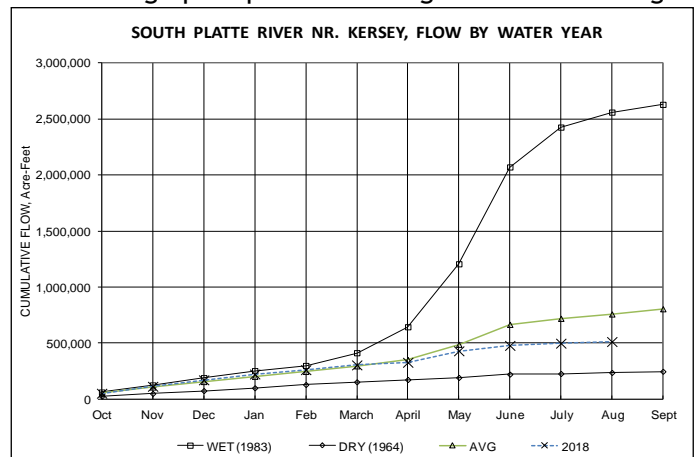
Northeast Colorado found some relief in with lower temperatures and short lived scattered precipitation events at the end of July, the middle and end of August. Overall dry weather conditions continued during August, except for intermittent scattered precipitation events in portions of the basin near the end of the middle of the month, resulted in below average stream flows throughout much of the South Platte River basin. Release of reservoir storage throughout the basin really ramped up during August drastically lowering levels in many irrigation reservoirs throughout the basin.

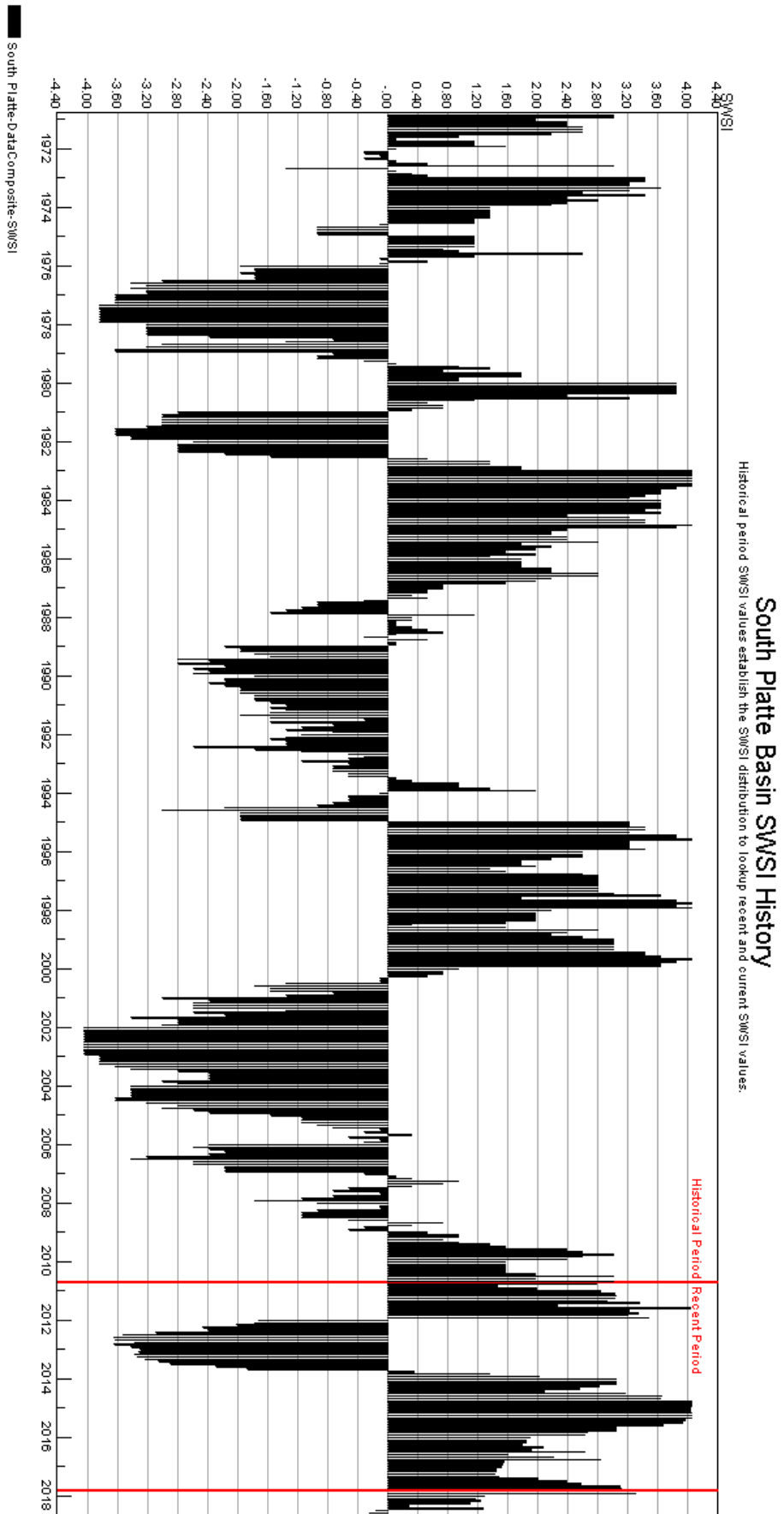
The USDA Drought Monitor rating for northeast Colorado remained constant during the month of August, with a rating of DO (abnormally dry) in the westerly (mountainous/foothill areas) areas of Larimer, Boulder, Jefferson, Douglas, Elbert and Arapaho Counties; a rating of D1 (moderate drought) in Gilpin, Clear Creek, and Park Counties; a rating of portions of Lincoln, El Paso, Teller and Park Counties rated as D1-D2 (moderate to severe). The eastern plains in the South Platte and Republican River basins continue to receive average to above average precipitation and are not currently in a drought condition.

Temperatures were below average at the end of July, increased through the middle of August to near average, and ended August above normal. Precipitation followed much the same pattern with a wet end to July, dry start to August until some scattered storms in mid-August, followed by dry conditions through the end of August. The late July cool down and precipitation provided short lived relief to the South Platte River Basin, with warmer weather and dry conditions into the last week of August.

The overall warm temperatures, high water demand and below average precipitation during the month of August resulted in below average flows at the Kersey and Julesburg gages. The average daily flows at the Kersey gage for the month of August was around 250 cfs, 49% of the historic mean value of 505 cfs. The average daily flows at the Julesburg gage for the month of July was 145 cfs, 79% of the historic mean value of 183 cfs. The late July monsoonal precipitation provide a short duration of high daily flows at the Julesburg gage that increased the monthly daily average, that would have been much lower without the short duration but intense precipitation events along the lower portions of the mainstem of the South Platte River basin.

The dry and warm weather continued into August, but provided some short lived periods of precipitation at the end of July and again during the later portions of August. The 1897 South Platte River Compact Call was active for only 11 days during the month of August, coming back on August 27th into the month of September. The mainstem of the South Platte north of Denver started August with a calling priority of 1881, going more senior into the middle of August to a priority of 1871, and ending August with a calling priority of 1876. Many of the tributaries in the foothill and mountainous areas in Division 1 did not receive much precipitation resulting in the call for water becoming more and more senior through the month of August. The dry conditions in these areas is resulting in near to or historic low flows throughout the month of August in many tributaries. The outlook for precipitation in the areas in early September will be much welcomed.





Basinwide Conditions Assessment

The SWSI value for the month was +1.8.

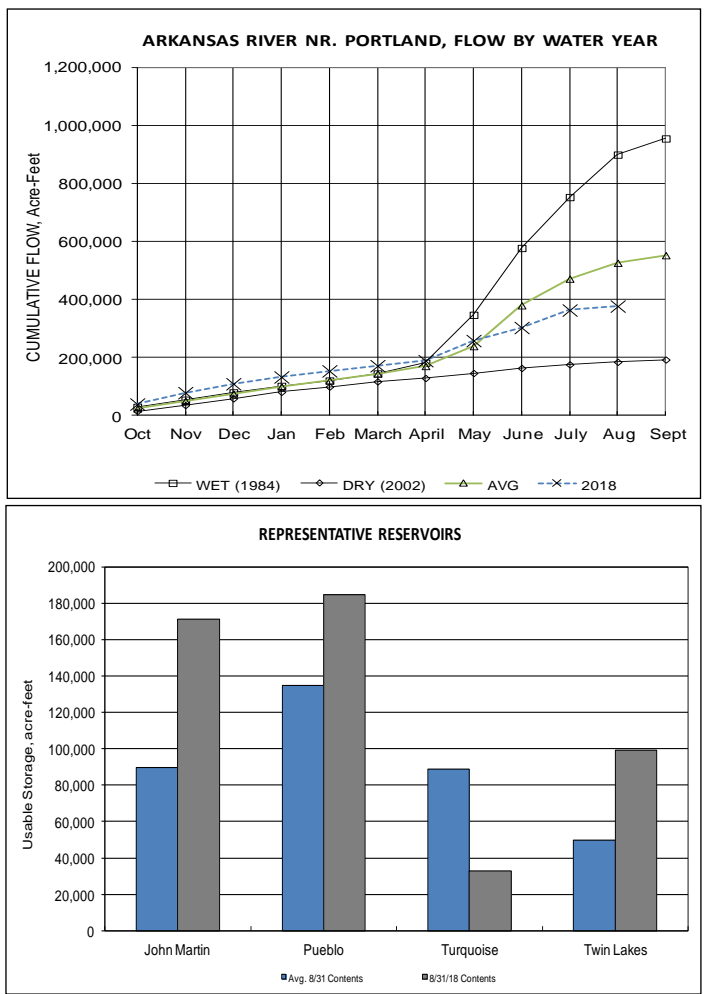
Outlook

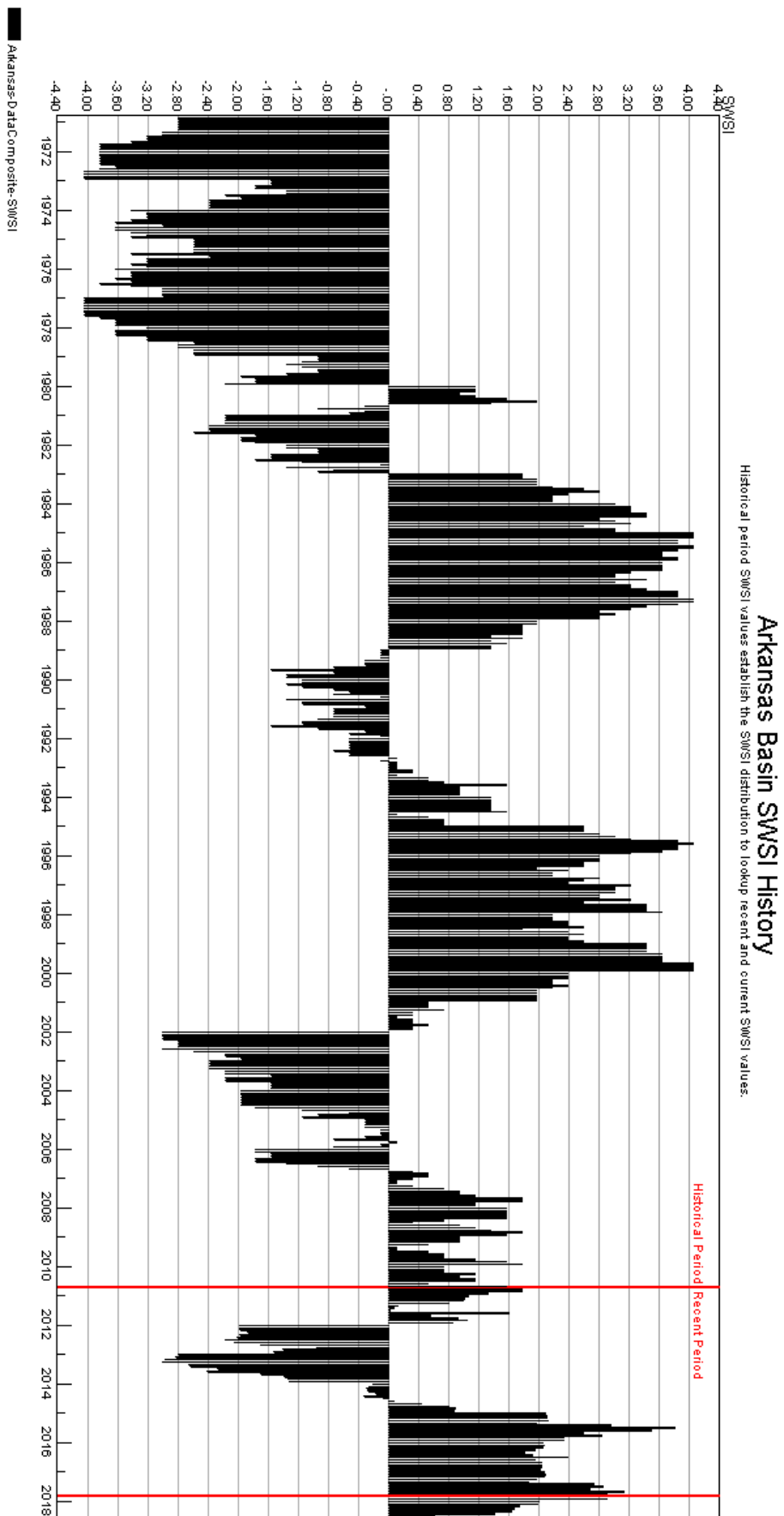
Flow in the Arkansas continued to decline through the month of August after the cessation of the late July-early August monsoonal hydrologic events. However, some relief was found in large flows from the Fountain Creek basin, which brought the junior call to 6/9/1890 (Colorado Canal) for a short period of time before ending the month with the senior call of 3/31/1882 (Bessemer Ditch). Increased flows on the Purgatoire River from hydrologic events brought some relief to the ditches in District 17 and 67 allowing Fort Lyon to sweep the river upstream. Higher flows also were enough for John Martin Reservoir to return to Conservation Storage briefly from August 8-10.

Kansas started a release of their Offset account water from John Martin Reservoir, which began on August 18, 2018. The total for the water released in August was just over 2,800 acre-feet from John Martin Reservoir.

Administrative/Management Concerns

At the end of August, Pueblo Reservoir (205,000 ac-ft) was only about 28,000 ac-ft less the same time as last year. John Martin Reservoir (155,000 ac-ft) was considerably lower at about 105,000 ac-ft less than the same time the year before. Account releases in August were minimal.





Basinwide Conditions Assessment

The SWSI value for the month was -2.0.

Flow at the gaging station Rio Grande near Del Norte averaged 220 cfs (34% of normal). The Rio Grande benefited greatly from a 4,000 acre-feet release from Rio Grande Reservoir during August in preparation for the start of outlet work repair this Fall. This release was picked up at the Farmers Union Canal. The Conejos River near Mogote had a mean flow of 55 cfs (25% of normal). In general, the entire upper Rio Grande basin suffered through a poor streamflow month. Streamflow was in the 20% to 40% of normal range. Sporadic rainstorms provided only temporary increases in runoff.

Precipitation in Alamosa was 0.64 inches, 0.63 inches below normal and a big disappointment as weather forecasts had predicted a robust monsoon. The year to date precipitation in Alamosa is lagging nearly two inches below average. The average temperature in Alamosa during August was slightly above the long term average, marking the 12th consecutive month of above average temperature.

Outlook

The National Weather Service (NWS) is predicting the potential for better than normal precipitation for September, 2018 through February, 2019. Streamflow in the basin will remain well below normal as long as only sporadic rain continues.

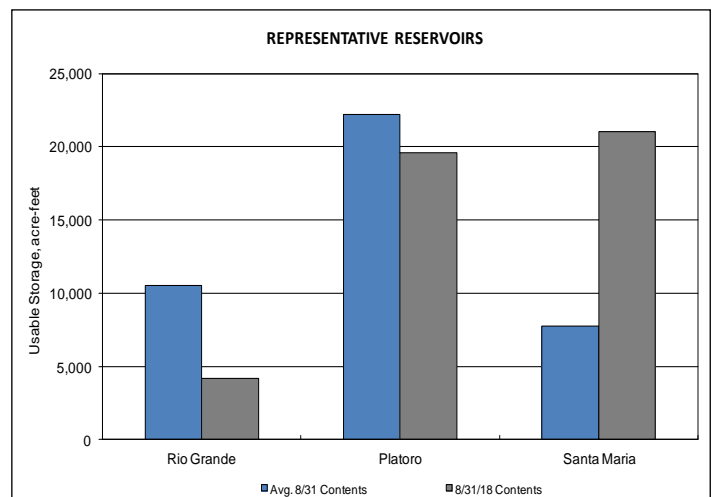
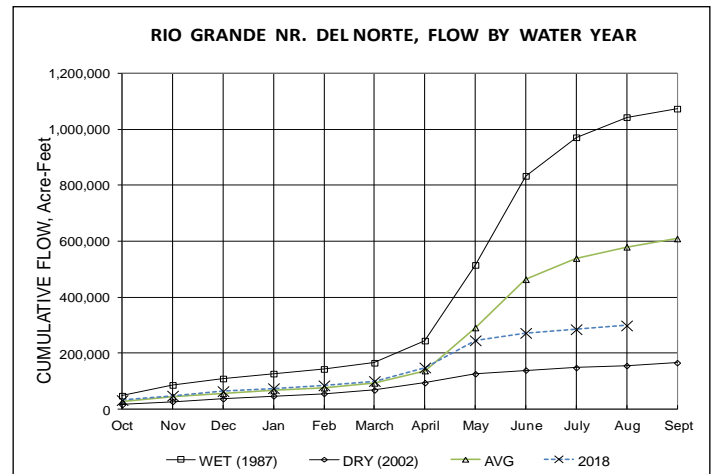
Reservoir storage is very low in this basin. A large change in the climate pattern must occur before reservoirs, including the groundwater aquifers, can return to normal operating levels.

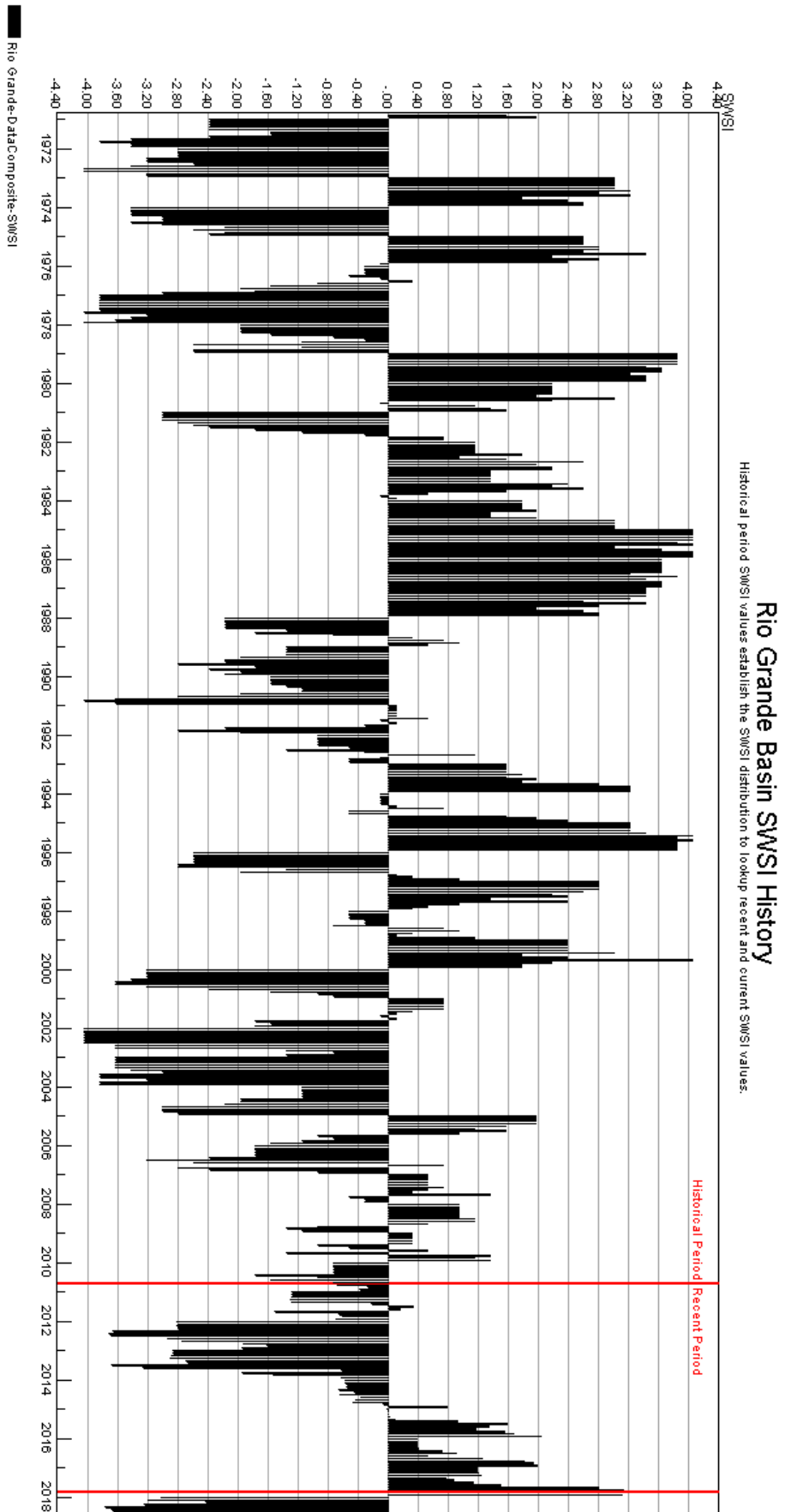
Administrative/Management Concerns

After a good runoff in 2017, this season has been very disappointing. While not quite on the level of low streamflow and harm of 2002, the effect of this year on the streams, reservoirs, and aquifers will be felt for years to come.

Public Use Impact

Drought years like this one have widespread effect on the economy such as: less tourism and layoffs in the service industries, reduced crop yield, selling off livestock due to lack of available grazing land. There's also stress on the stream ecology, increased chance for wildfire, and more opportunity for pine beetle damage to the area spruce forest.





Basinwide Conditions Assessment

The SWSI value for the month was -3.8.

Precipitation during August was spotty. Unfortunately, the spotty rainfall was not enough to boost streamflows for more than a few hours in most locations and therefore, didn't reduce the usage of storage. Some areas received measurable precipitation from the few episodes of monsoon moisture, but all areas were again below average for the month. Streamflows at almost all gauge sites with long term records remained near record lows from 2002 and well below the 25th percentile throughout August.

Outlook

NOAA climate forecasts continue to predict wetter than average conditions for the next 90 day period, which includes September, October and November.

Administrative/Management Concerns

The meager amount of inflow into Blue Mesa Reservoir (237,500 acre-feet or 35% of average) combined with the storage used by the Uncompahgre Valley Water Users Association and the US Bureau of Reclamation to meet target flows at Whitewater are projected to result in Blue Mesa Reservoir ending the season at its lowest point ever with only 257,000 acre-feet in storage (31% of capacity).

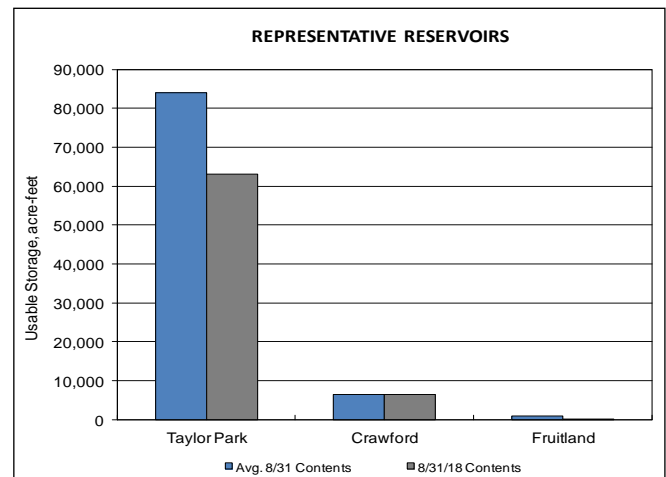
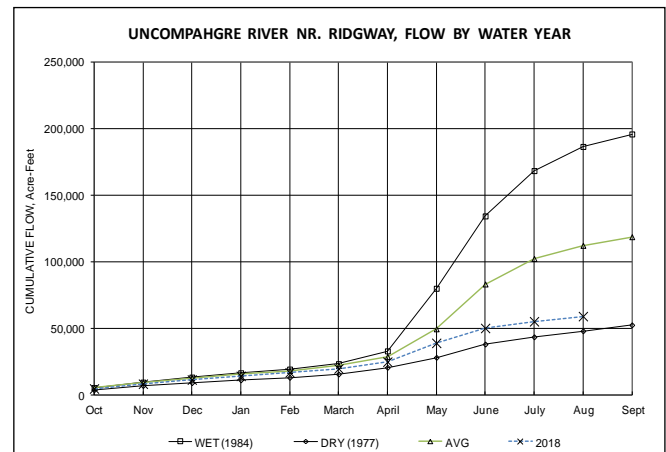
Gunnison Tunnel diversions exceeded inflow to the Aspinall Unit for all of August, which resulted in the use of 28,736 acre-feet of Taylor Park first fill. In addition, another 9,150 acre-feet of second fill storage that was released from Taylor Park effectively increased the inflow to the Aspinall Unit and reduced the amount of first fill needed at the Tunnel by a like amount. As a result, during August, the UVWUA actually used a total of 37,886 acre-feet of storage to meet their demand. According to a model prepared by the Division of Water Resources, the Tunnel will consume all Taylor Park first fill stored in the Aspinall Unit on September 10th, resulting in an exchange of Aspinall Unit water for first fill water that is still stored in Taylor Park. The UVWUA plans to reduce diversions starting in early September to stretch the remaining storage through November 1st. Based on their planned reductions they will end up using a total of 101,000 acre-feet of first fill and should have around 5,000 acre-feet remaining of 1st fill storage at the end of the season. In addition to the storage that the UVWUA used from Taylor Park to fill their system, another 11,100 acre-feet of storage in Ridgway Reservoir was used to fill demand at their seven main headgates. This leaves the UVWUA with only 100 acre-feet of storage remaining in Ridgway to begin September. As a result, Ridgway Reservoir will only be passing inflows going forward. Passing inflows will result in periods when Tri-County Water Conservancy District cannot generate power with the hydropower units installed a few years ago because the inflow at near 90 cfs is in a range (75-130 cfs) that doesn't allow them to use either the small or large turbines.

During August, the Grand Mesa Water Users Association (GMWUA) continued to only accept reservoir storage orders every other week to reduce the associated transit losses. Release of reservoir water from higher elevation reservoirs to lower ones on Surface Creek has resulted in only two reservoirs (Park and Cedar Mesa Reservoirs) out of 38 containing any usable storage. Other Grand Mesa drainages are in similar shape with few reservoirs containing much usable storage near the end of the season.

Slate River flows have been below 2012 record lows much of August at between 5 and 10 cfs, which is significantly less than the 23 cfs instream flow right. This has resulted in an instream flow call since July 19th that required operation of numerous augmentation plans including the Upper Gunnison River Water Conservancy District basin-wide plan that requires releases from Meridian Lake.

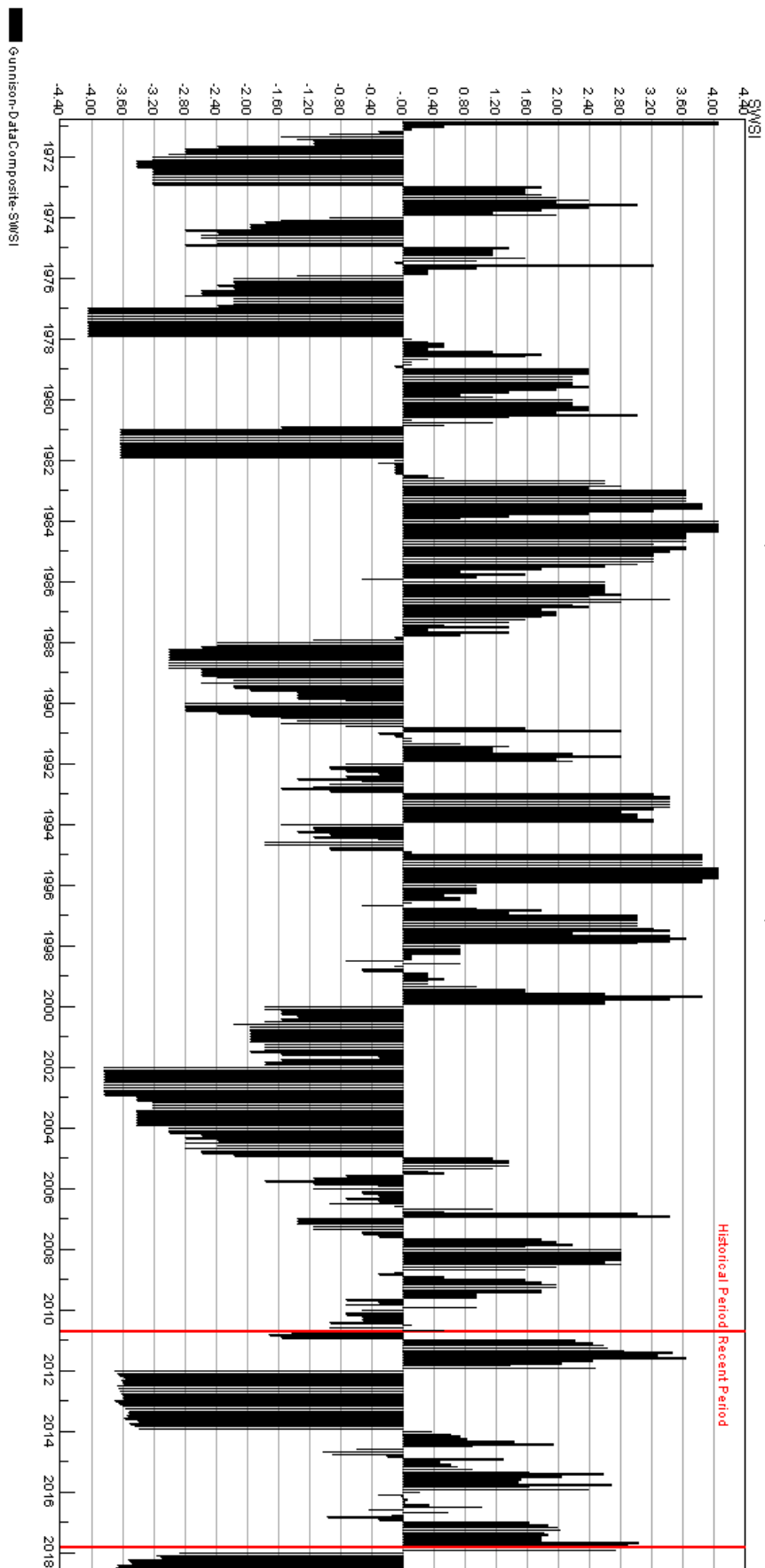
Public Use Impacts

Water temperatures in many trout streams continued to exceed 70 degrees in many locations. On the Lake Fork Gunnison and Cimarron Rivers this is being mitigated by releases from pools of water in Silver Jack Reservoir and Lake San Cristobal, respectively, that are dedicated to boost streamflows and improve conditions for fish.



Gunnison Basin SWSI History

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



Basinwide Conditions Assessment

The SWSI value for the month was -3.6.

Outlook

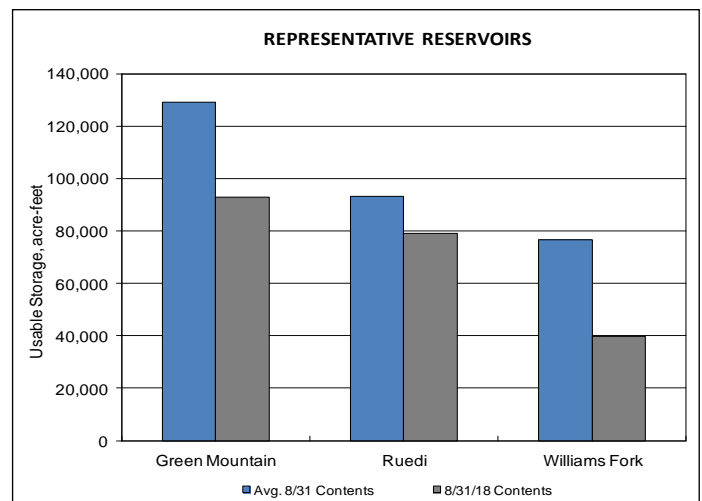
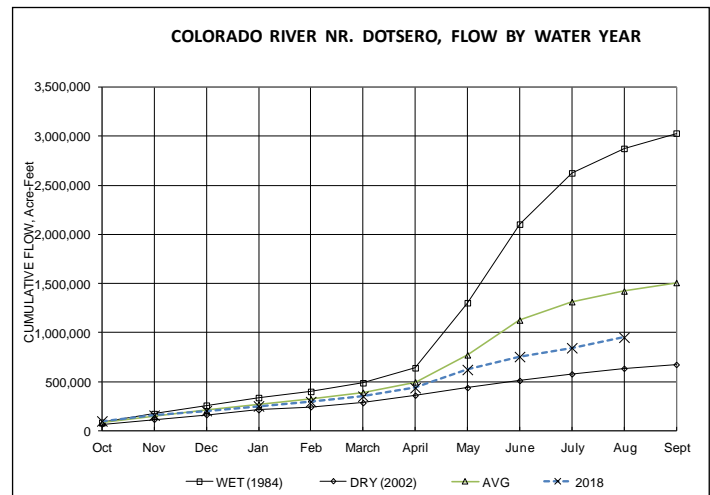
Colorado River flows and tributary flows are running below average. River flows are forecasted to continue below average throughout September. Below average precipitation with above average temperature is forecast for western Colorado through September.

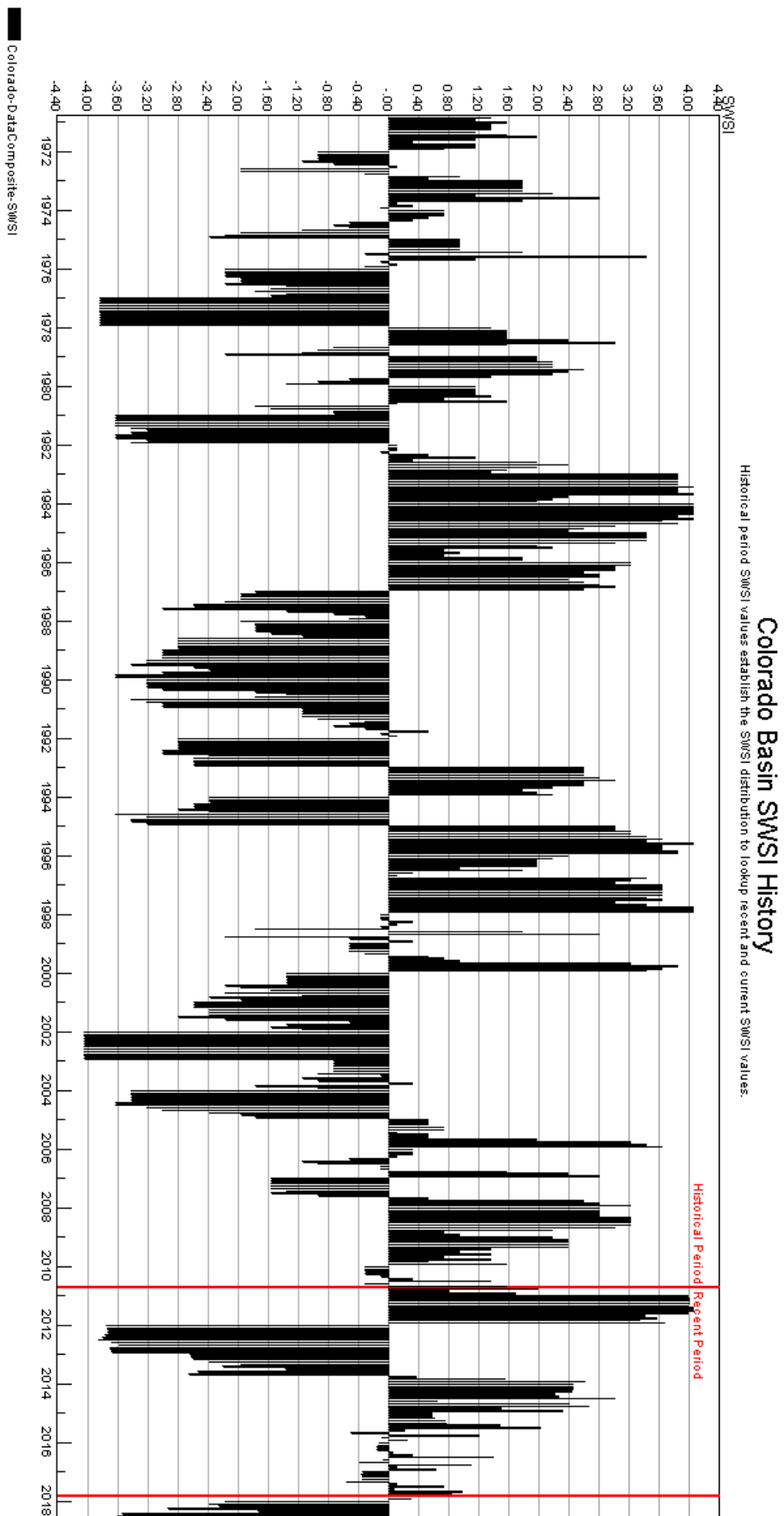
Administrative/Management Concerns

The call on the Colorado River mainstem is the Grand Valley Project (730cfs) water right. There is also a call at the Senior Shoshone Power Plant water right. Grand Valley Irrigation diversions (Government Highline/Orchard Mesa Irrigation, Grand Valley Irrigation canals) continue at or near full capacity. Green Mountain is releasing to pass inflows, release contract water, CB-T water and HUP water.

Public Use Impacts

It is projected that Lake Powell's levels will be 94 feet below when the reservoir was nearly full in 2000. In early September, Lake Powell was about 48% full and Lake Mead about 38% full. The demands on the Colorado River basin are exceeding the supply.





Basinwide Conditions Assessment

The SWSI value for the month was -2.7.

August precipitation was well below average in the Yampa, White, and North Platte River basins. However, specific figures are not available yet as access to the NRCS website did not result in a report.

The Yampa River went on call for the first time in history on September 6, 2018.+

Outlook

As of August 31st Fish Creek Reservoir was storing approximately 2,990 AF, 72% of capacity. The capacity of Fish Creek Reservoir is 4,167 AF. Yamcolo Reservoir was storing 2,500 AF at the end of August 2018. The capacity of Yamcolo Reservoir is 8,700 AF. Elkhead Reservoir's storage on September 1st was 19,510 AF. The capacity of Elkhead Reservoir is 24,778 AF. Again with Stagecoach Reservoir, access the NRCS report was unavailable.

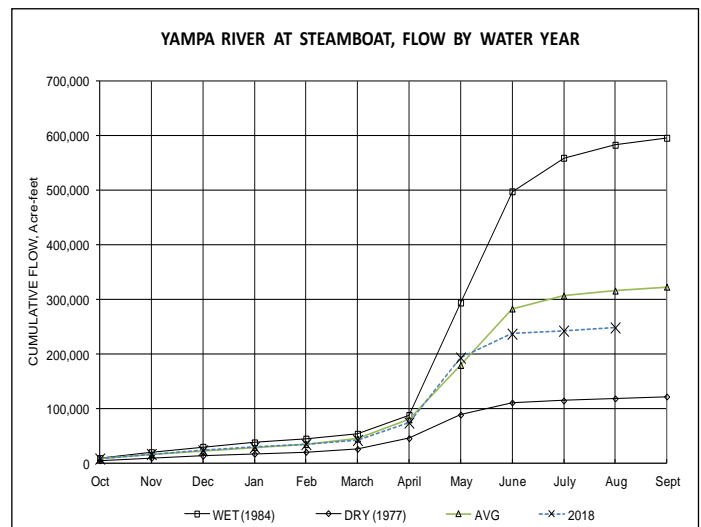
Water stored in Fish Creek Reservoir is used primarily for municipal purposes, Yamcolo Reservoir for irrigation purposes, and Elkhead Creek Reservoir for municipal, industrial, recreational, and fish recovery releases. Stagecoach Reservoir is primarily used for recreation though a significant amount of stored water is allocated for municipal, industrial, irrigation and augmentation uses.

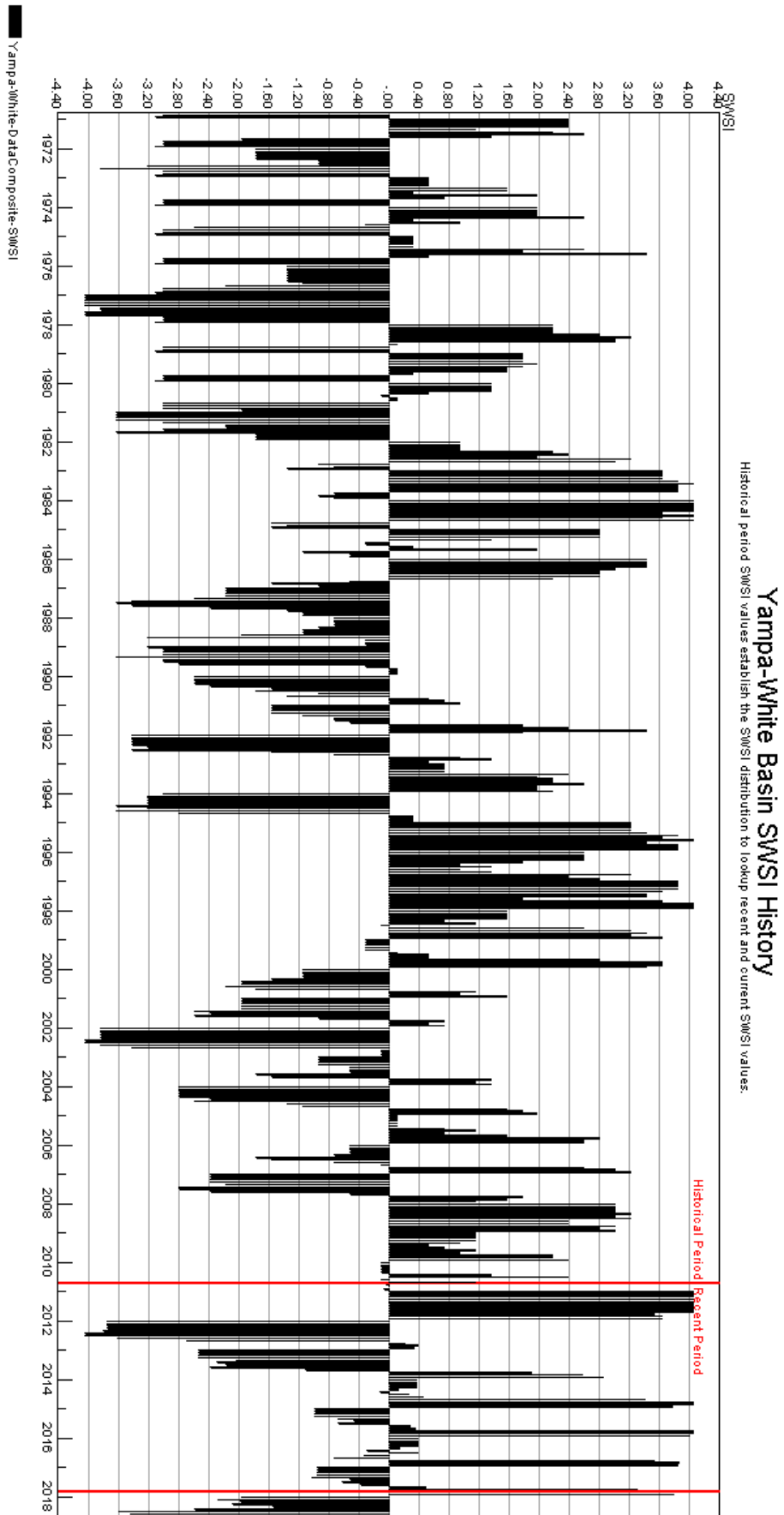
Public Use Impacts

Please check the Stagecoach Reservoir State Park website for the fishing report. Motorized boating is now allowed on the reservoir (June 1 - October 31). ANS inspections are available at the Marina/North/Main Boat ramp. A pre-inspection is required prior to launching any vessel in to the reservoir. The swim beach is open until September 30th.

Steamboat Lake is now open for boating and you can stop by the visitor center for a mandatory boat inspection. Call 800-244-5613 for camping reservations. Reservations are recommended at all times. The swim beach is open until September 30th. Dam construction is currently underway. There is no public day use or access to the Sage Flats day use area.

Fire danger is high in Routt, Moffat and Rio Blanco counties. Routt County has enacted Stage 1 fire restrictions.





Basinwide Conditions Assessment

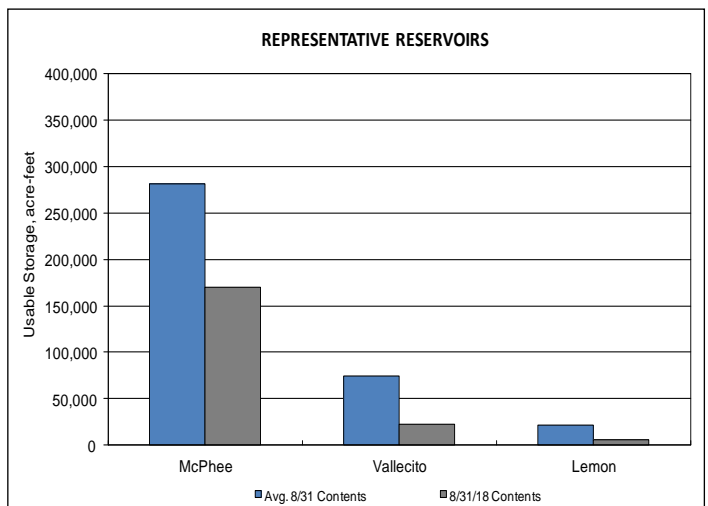
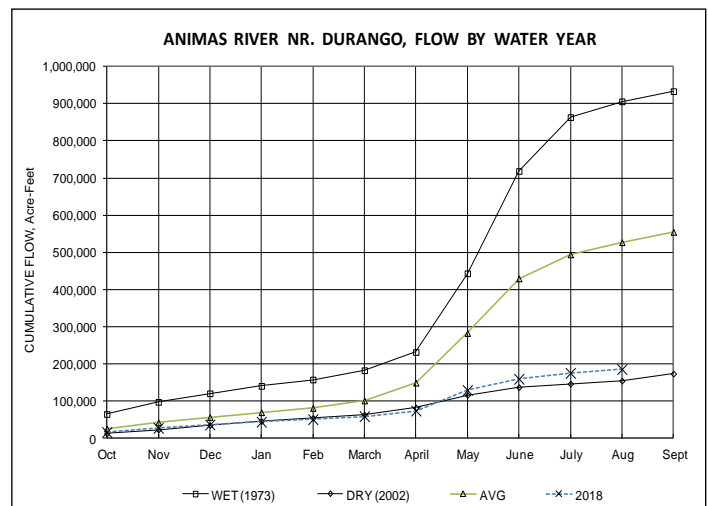
The SWSI value for the month was -2.3.

Flow at the Animas River at Durango averaged 161 cfs (28% of average). The flow at the Dolores River at Dolores average is 126 cfs (52% of average). The La Plata River at Hesperus averaged 4.7 cfs (21% of average). Precipitation in Durango was 1.10 inches for the month, 42% of the 30-year average of 2.60 inches. Precipitation to date in Durango, for the water year, is 7.40 inches, 42% of the 30-year average of 17.48 inches. End of last month precipitation to date, for the water year was 42% of average. The average high and low temperatures for the month of August in Durango were 88° and 51°. In comparison, the 30-year average high and low for the month is 84° and 52°. At the end of the month Vallecito Reservoir contained 22,422 acre-feet compared to its average content of 70,943 acre-feet (32% of average). McPhee Reservoir was up to 170,221 acre-feet compared to its average content of 286,445 (59% of average), while Lemon Reservoir was up to 6,051 acre-feet as compared to its average content of 21,574 acre-feet (28% of average). As with all SWSI calculations, the NEP and SWSI values for the Upper Dolores are based on a comparison of water volumes available for water supply back to 1970. Although conditions in the Upper Dolores are comparable to 2002 and 2012, since McPhee Reservoir was not constructed until the 1980's, the earlier years of record do not have any water attributed to McPhee, resulting in an September 1 SWSI closer to normal (-0.89) than what is being experienced by agricultural water users. In addition, the water in McPhee Reservoir below the active pool of 151,000 acre-feet is not available to irrigation users but only to the relatively minor demands for municipal, industrial, and fish and wildlife uses.

Outlook

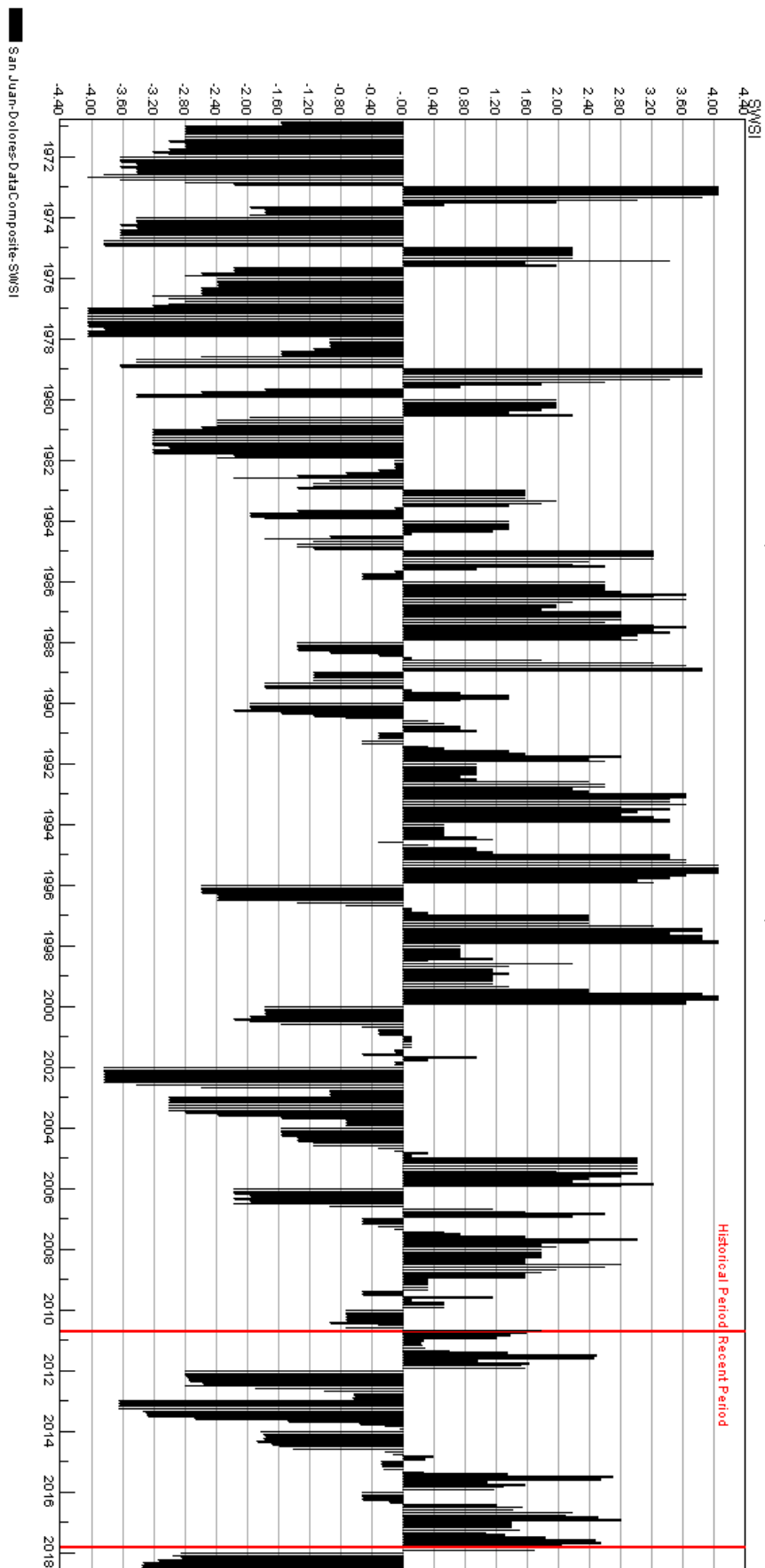
Precipitation (1.10 inches) was below average for August in Durango. There were 99 years out of 124 years of record where there was more precipitation than this year. The flows in the rivers within the basin remained well below average for this time of year. There are 106 out of 107 years of record where the total flow past the Animas River at Durango stream gauge was more than this year.

There were 88 out of 108 years of record where the total flow past the Dolores stream gauge was more than this year and 101 out of 102 years of record where the total flow past the La Plata River at Hesperus gauge was more than this year. The only years where the flows were less on the Animas and La Plata Rivers was in 2002. Flows on the Dolores River were impacted by the release from Groundhog Reservoir. Montezuma Valley Irrigation District is draining the reservoir for maintenance on the dam. Flows on the Dolores would show much lower without the release.



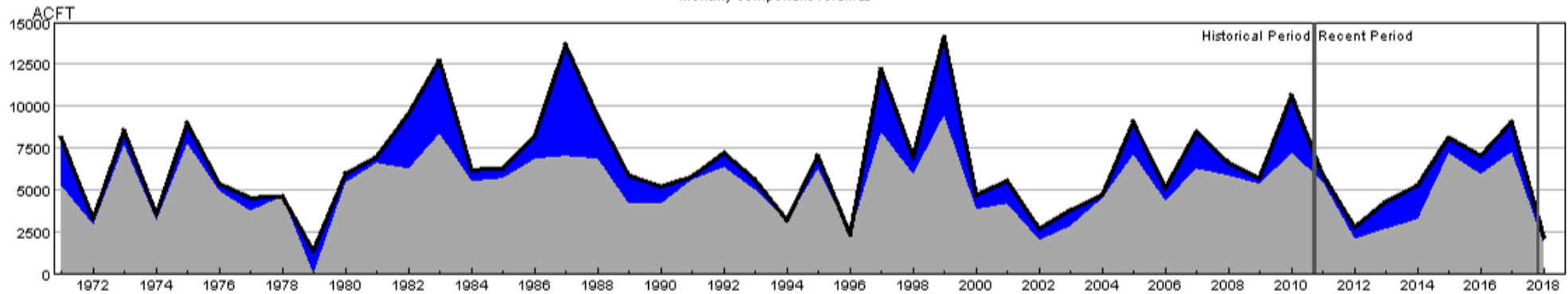
San Juan-Dolores Basin SWSI History

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



HUC 14080107 (Mancos) Surface Water Supply - SEP

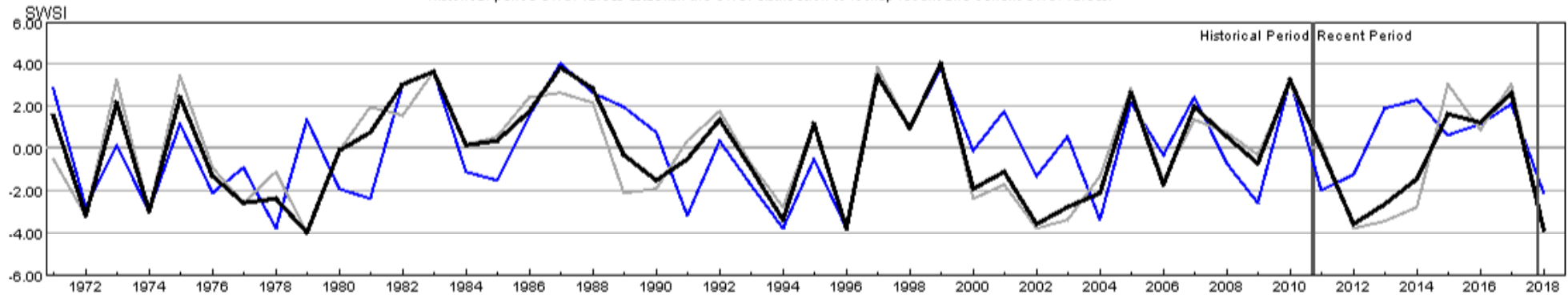
Monthly component volumes



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 HUC:14080107-SEP-PrevMoStreamflow
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 HUC:14080107-SEP-ReservoirStorage

HUC 14080107 (Mancos) SWSI Values - SEP

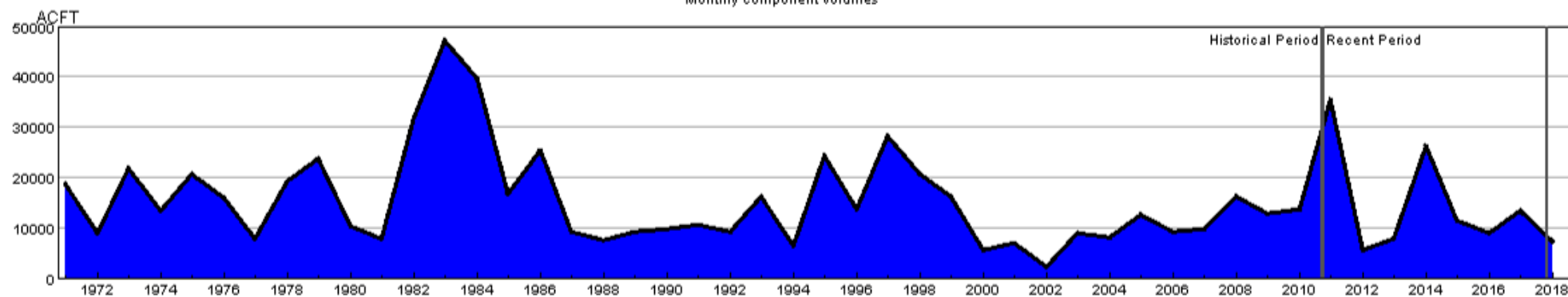
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:14080107-SEP-PrevMoStreamflow-SWSI
 HUC:14080107-SEP-ForecastedRunoff-SWSI
 HUC:14080107-SEP-ReservoirStorage-SWSI
 HUC:14080107-SEP-DataComposite-SWSI

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

Monthly component volumes



HUC:10180001-SEP-DataComposite
 HUC:10180001-SEP-PrevMoStreamflow
 HUC:10180001-SEP-ForecastedRunoff
 HUC:10180001-SEP-ReservoirStorage

HUC 10180001 (North Platte Headwaters) SWSI Values - SEP

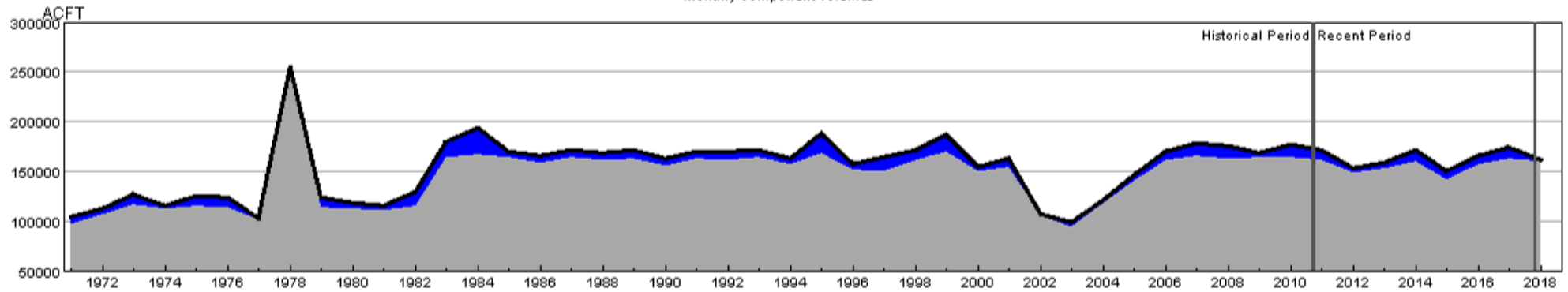
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

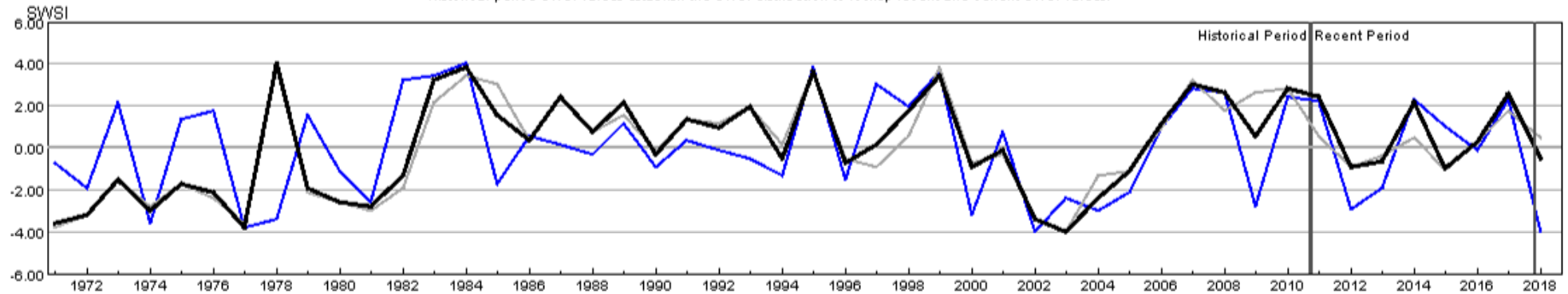
Monthly component volumes



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

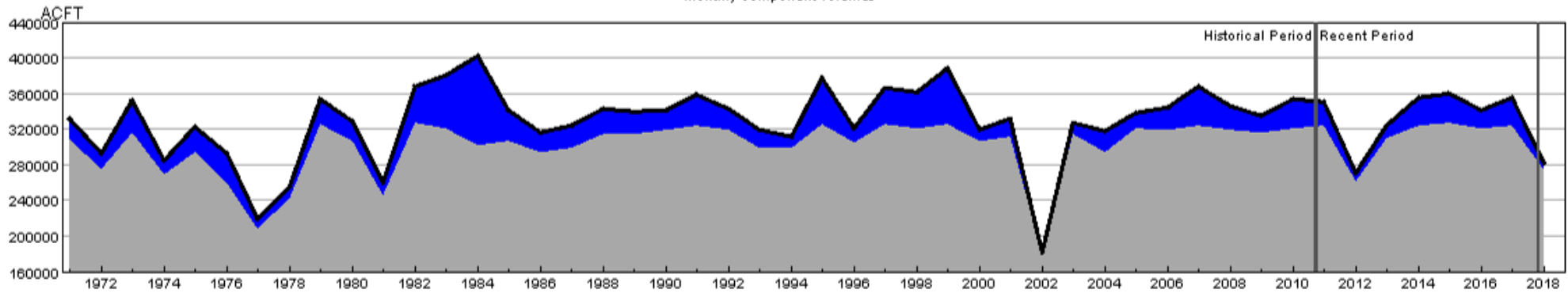
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

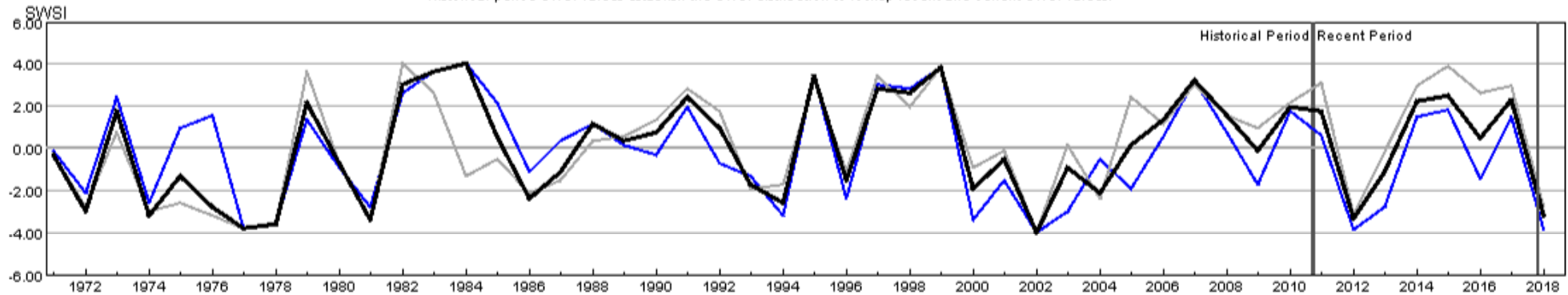
Monthly component volumes



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

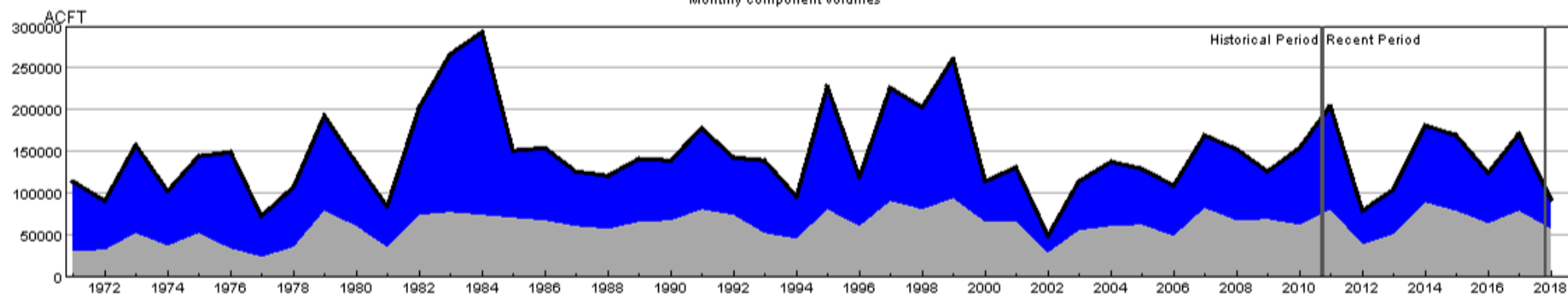
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:10190002-SEP-PrevMoStreamflow-SWSI
 HUC:10190002-SEP-ForecastedRunoff-SWSI
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HUC 10190003 (Middle South Platte-Cherry Creek) Surface Water Supply - SEP

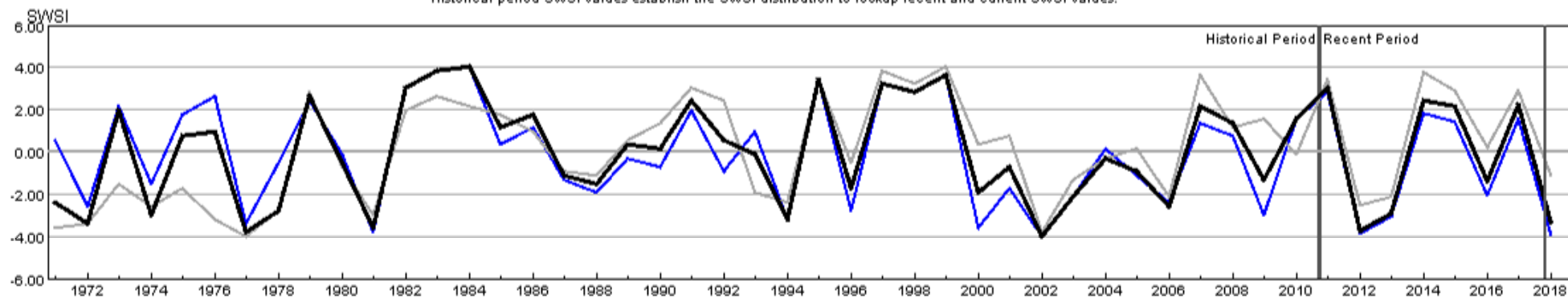
Monthly component volumes



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

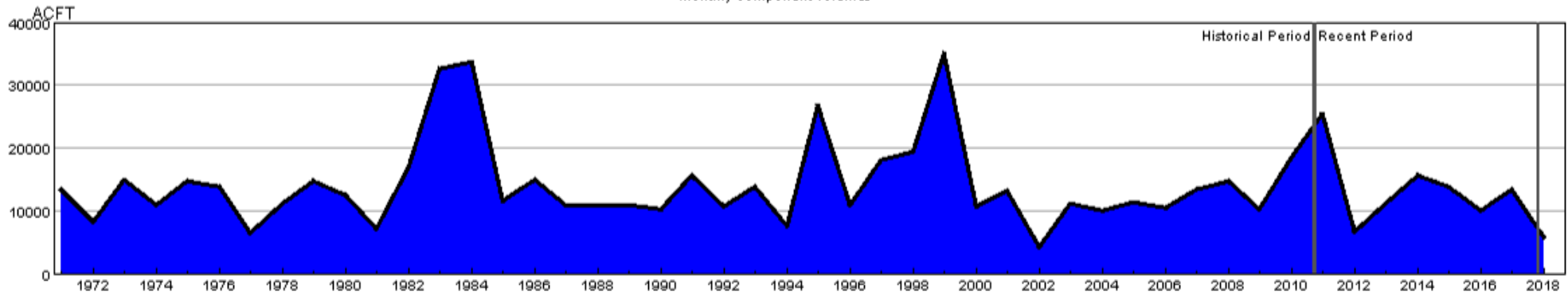
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

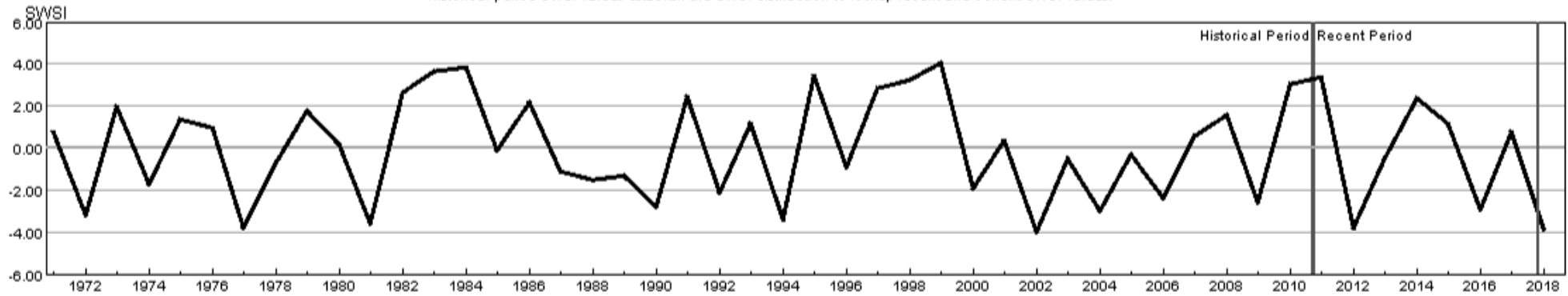
Monthly component volumes



HUC:10190004-SEP-DataComposite
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HUC 10190004 (Clear) SWSI Values - SEP

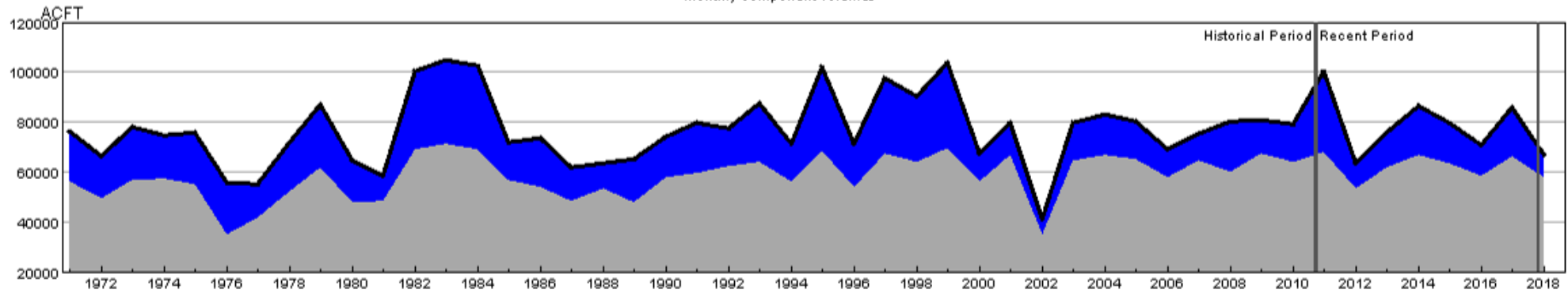
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

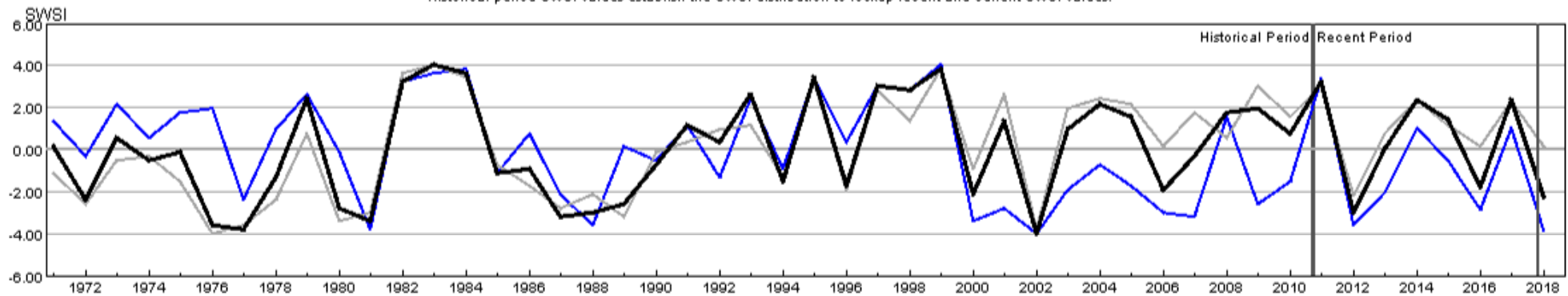
Monthly component volumes



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

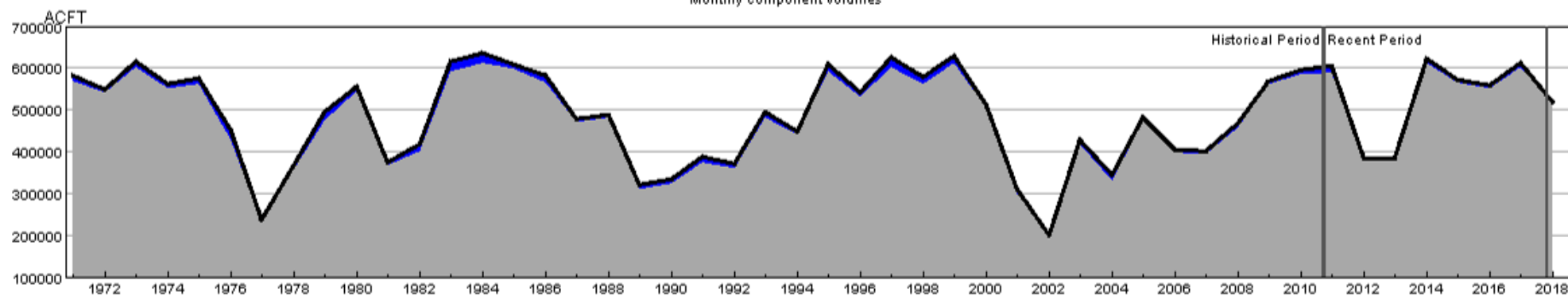
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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HUC 10190006 (Big Thompson) Surface Water Supply - SEP

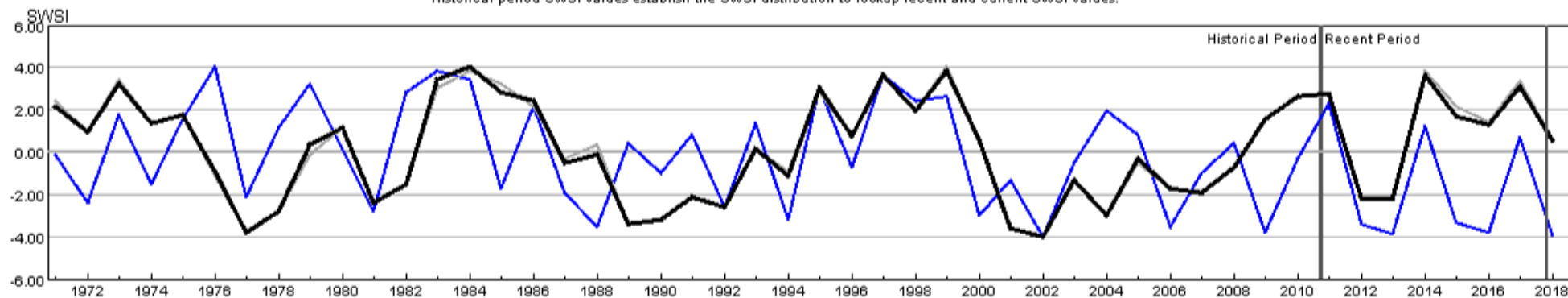
Monthly component volumes



HUC:10190006-SEP-DataComposite
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HUC 10190006 (Big Thompson) SWSI Values - SEP

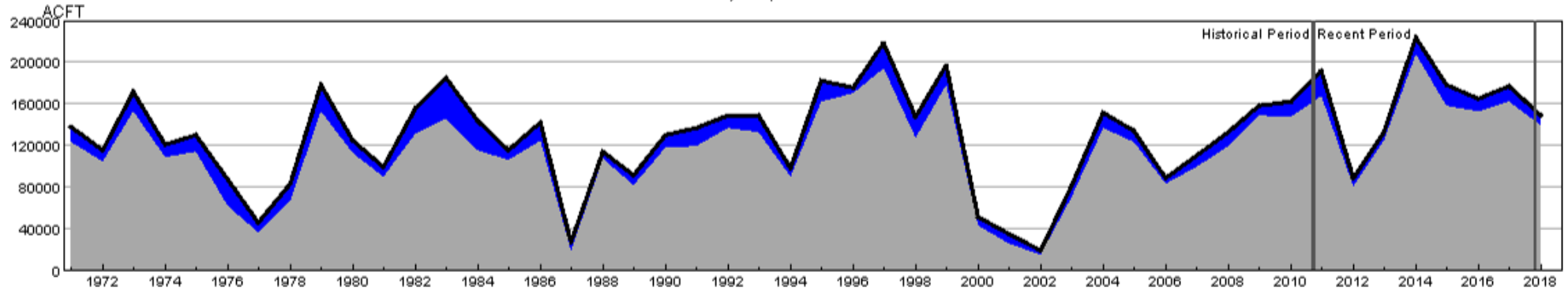
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

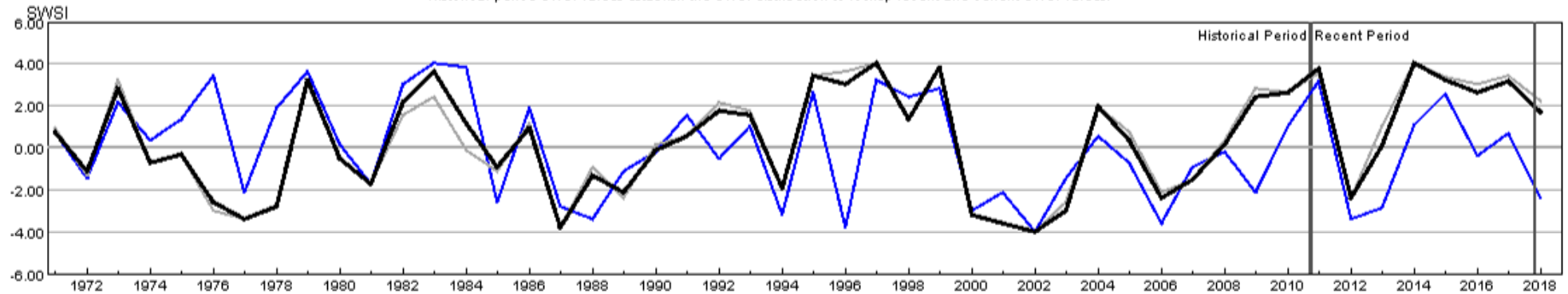
Monthly component volumes



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

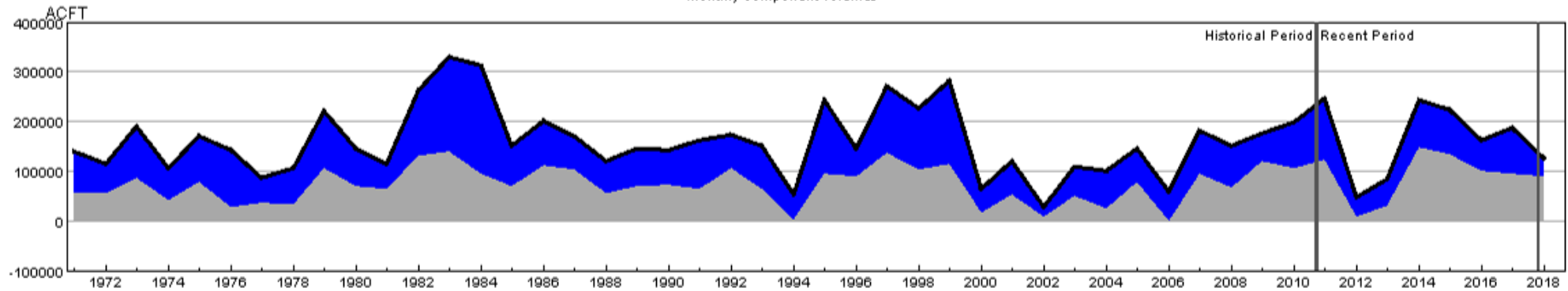
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

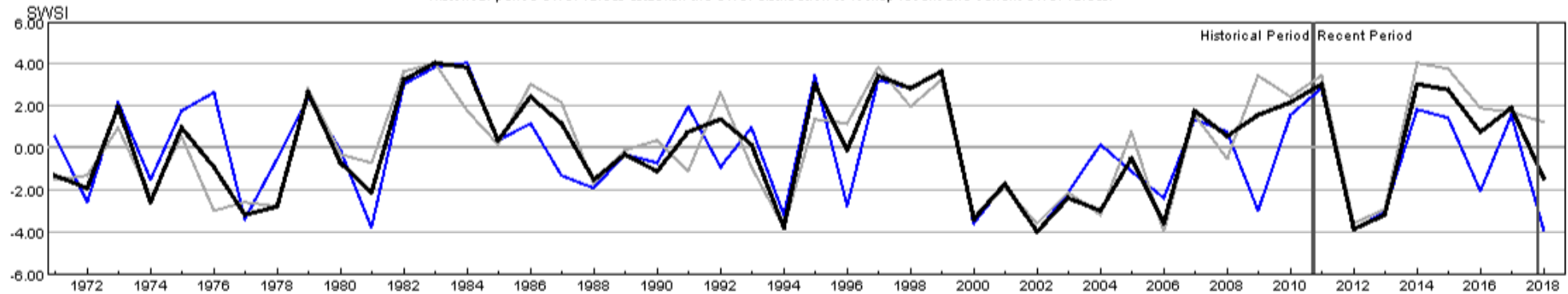
Monthly component volumes



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

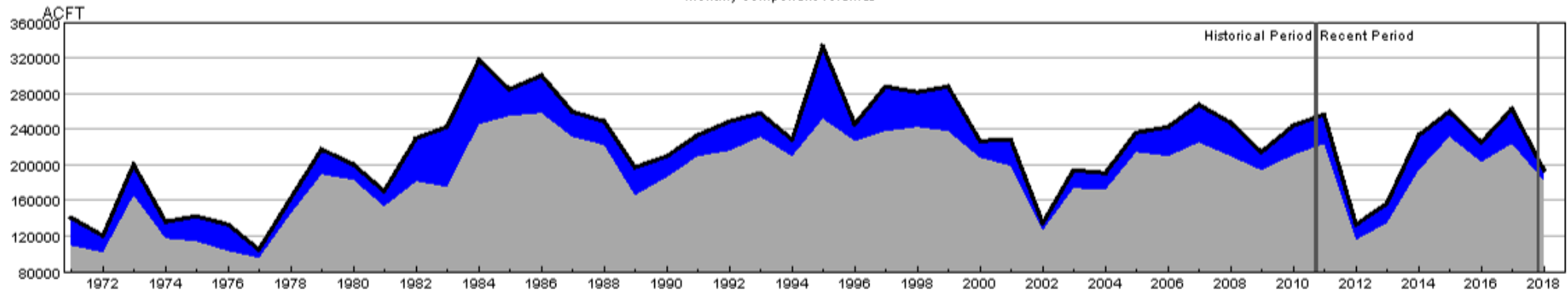
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



HUC:10190012-SEP-PrevMoStreamflow-SWSI
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HUC 11020001 (Arkansas Headwaters) Surface Water Supply - SEP

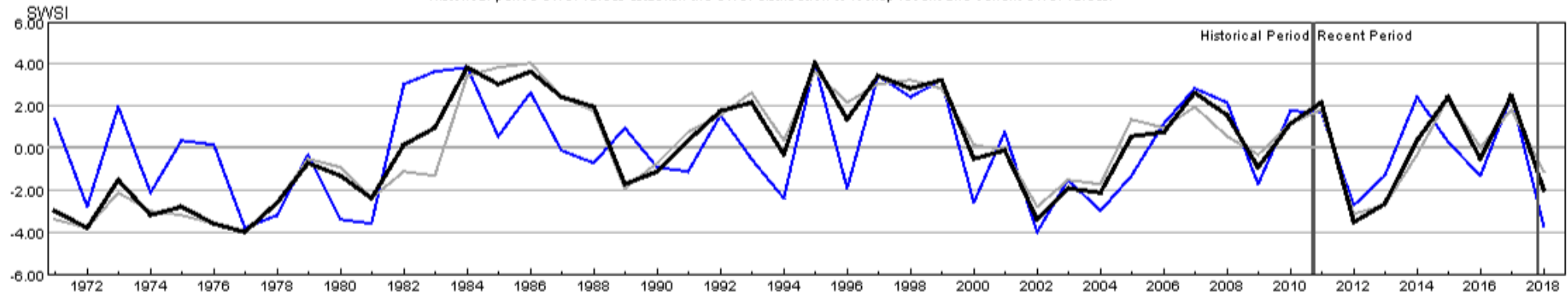
Monthly component volumes



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

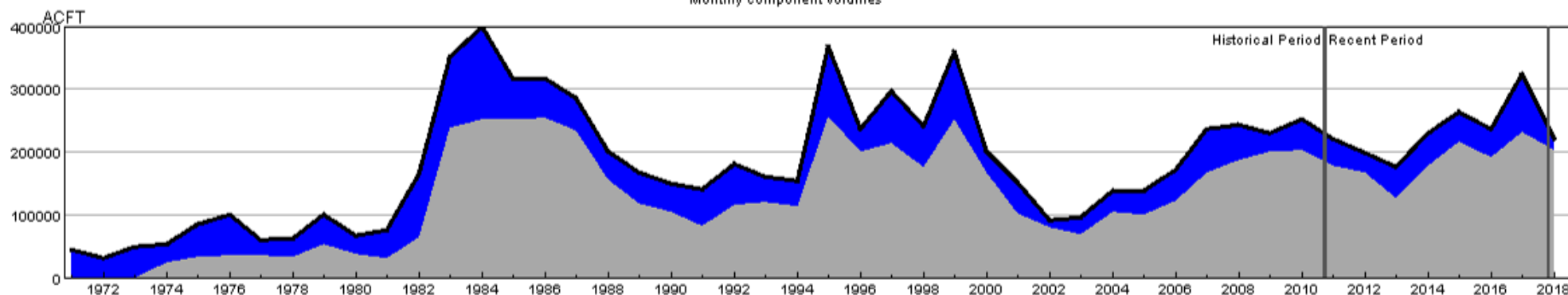
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

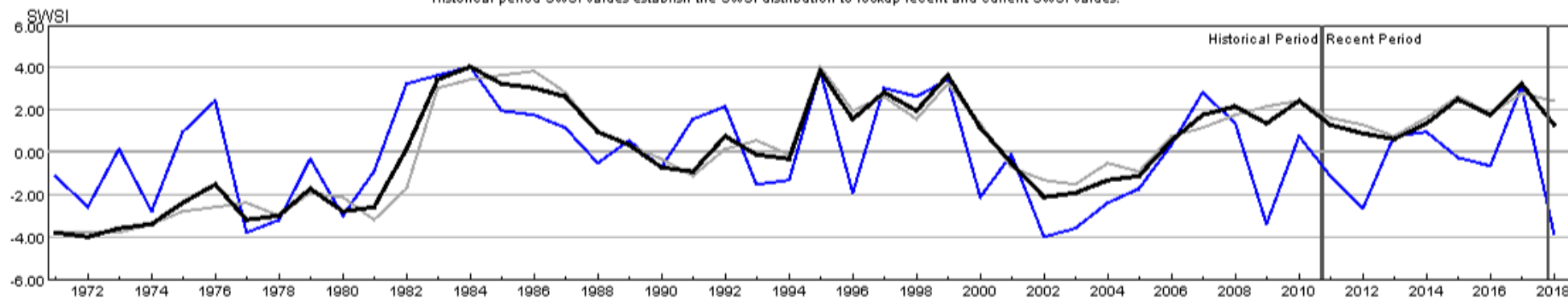
Monthly component volumes



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

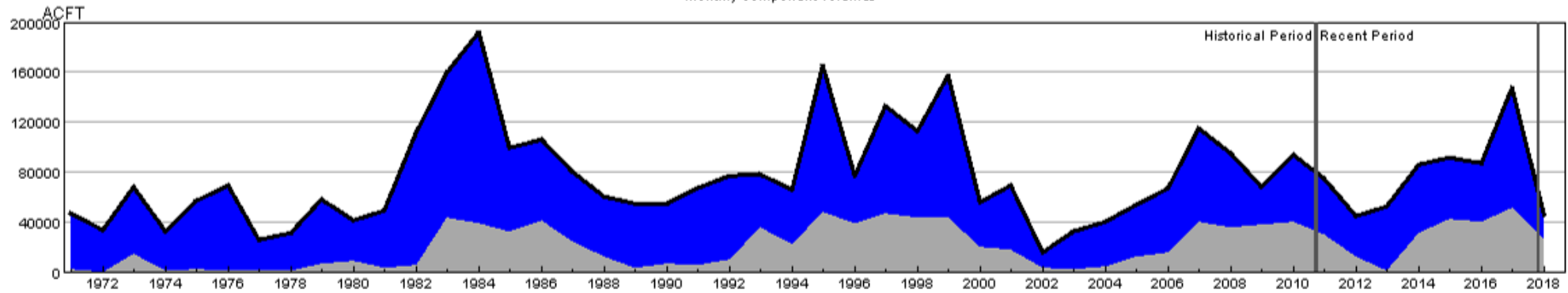
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

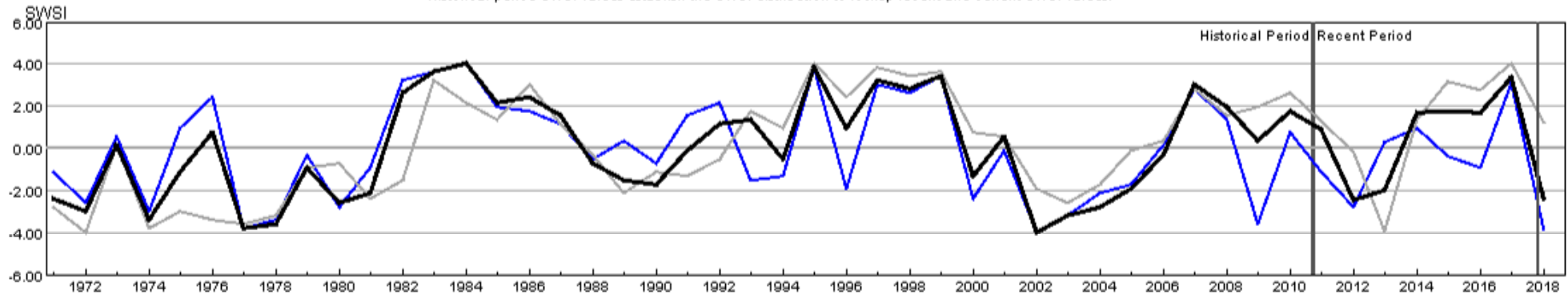
Monthly component volumes



HUC:11020005-SEP-DataComposite
 HUC:11020005-SEP-PrevMoStreamflow
 HUC:11020005-SEP-ForecastedRunoff
 HUC:11020005-SEP-ReservoirStorage

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

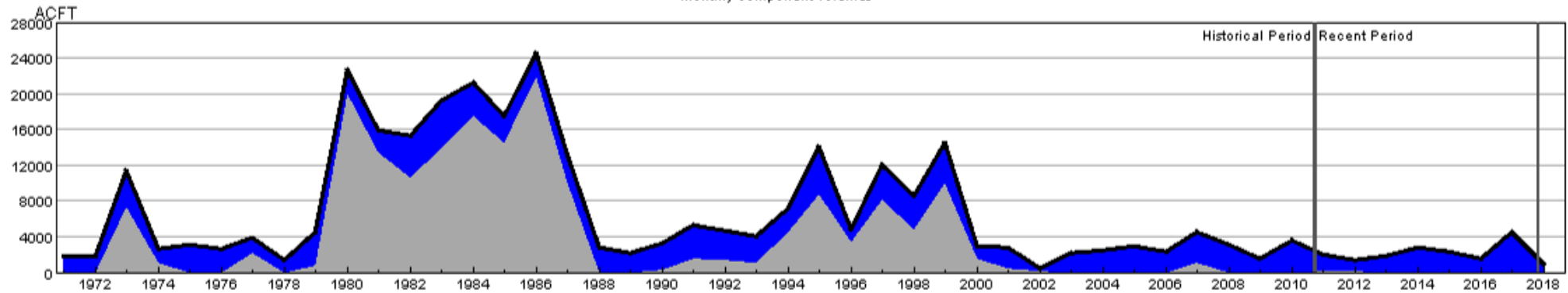
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

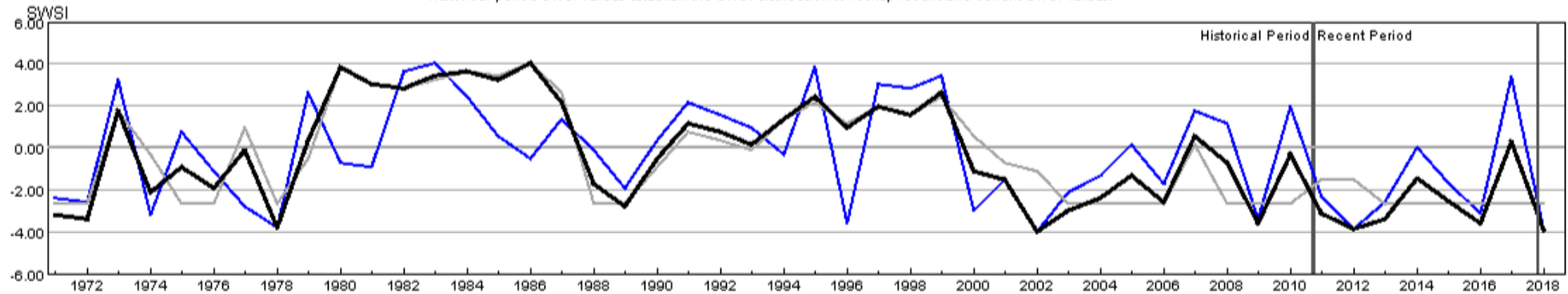
Monthly component volumes



HUC:11020006-SEP-DataComposite
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HUC 11020006 (Huerfano) SWSI Values - SEP

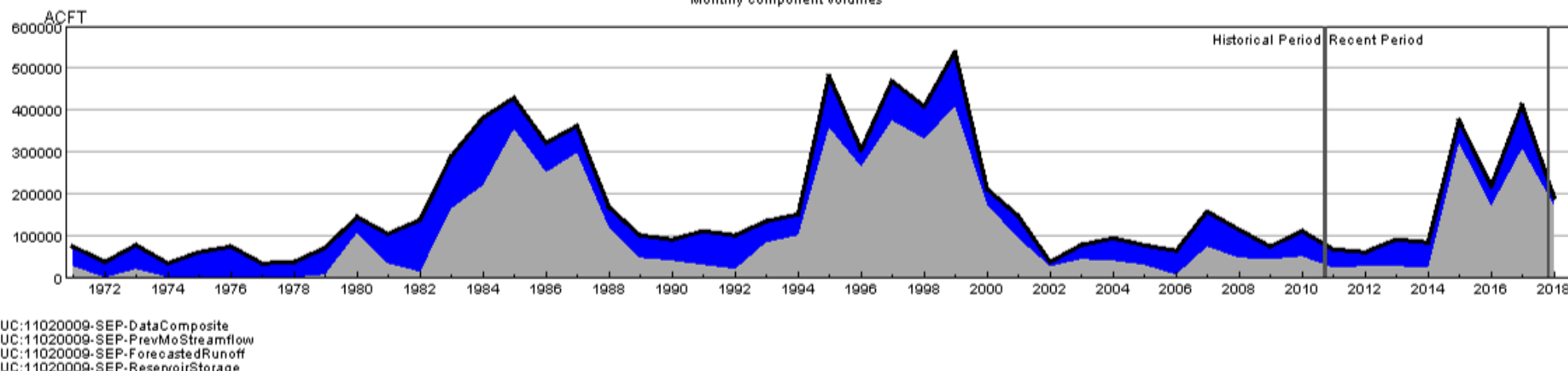
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

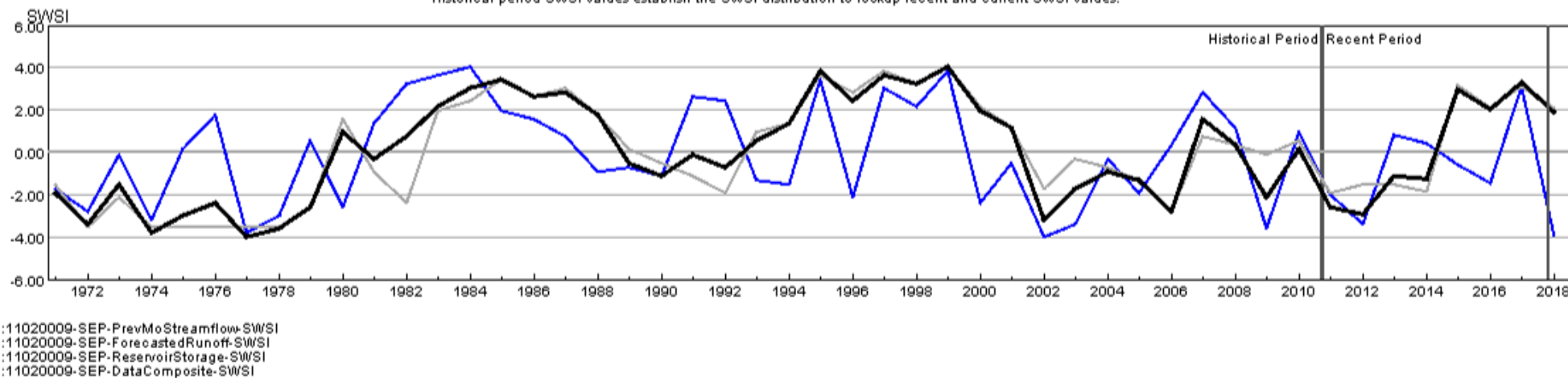
HUC 11020009 (Upper Arkansas-John Martin Reservoir) Surface Water Supply - SEP

Monthly component volumes



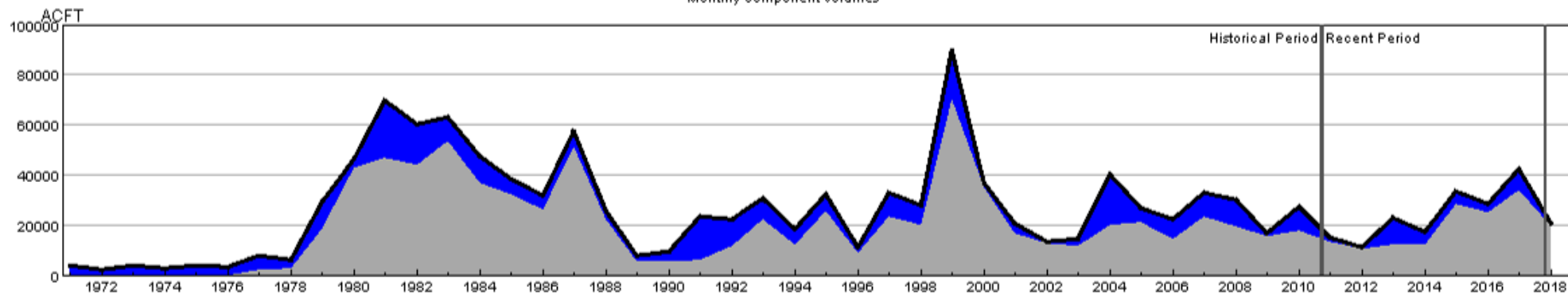
HUC 11020009 (Upper Arkansas-John Martin Reservoir) SWSI Values - SEP

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



HUC 11020010 (Purgatoire) Surface Water Supply - SEP

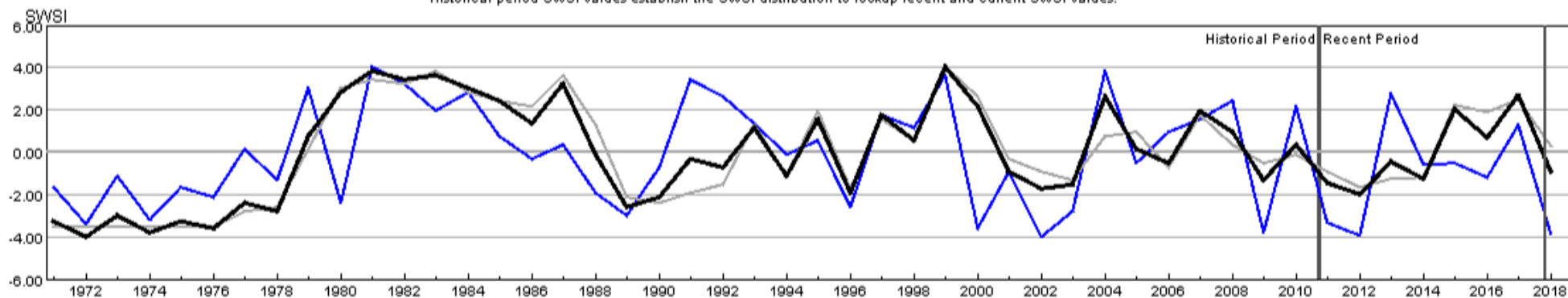
Monthly component volumes



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

HUC 11020010 (Purgatoire) SWSI Values - SEP

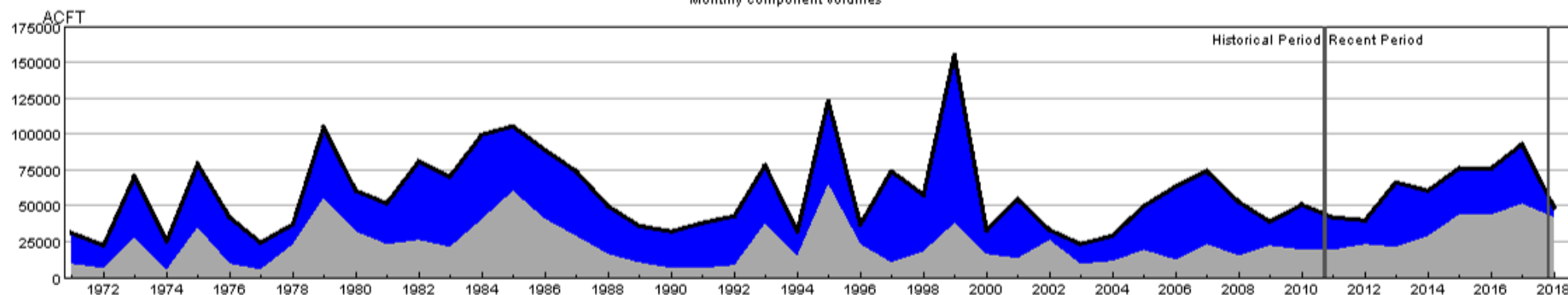
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

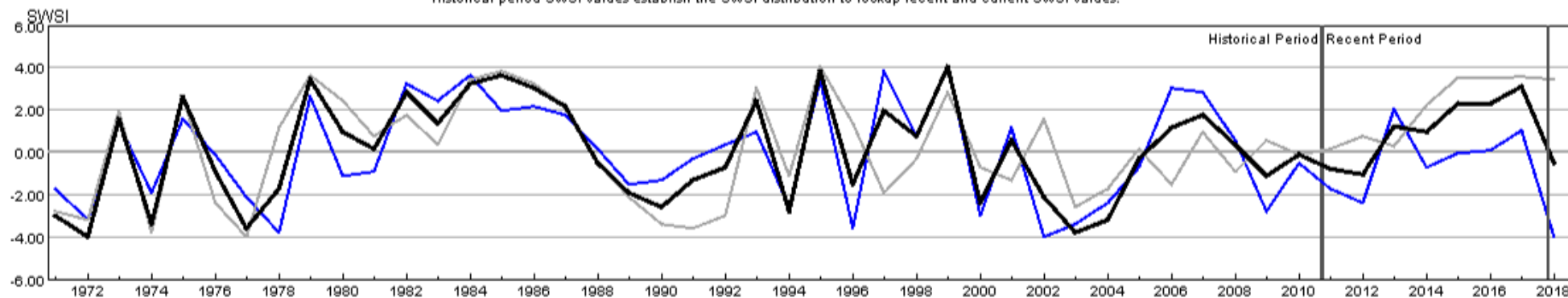
Monthly component volumes



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

HUC 13010001 (Rio Grande Headwaters) SWSI Values - SEP

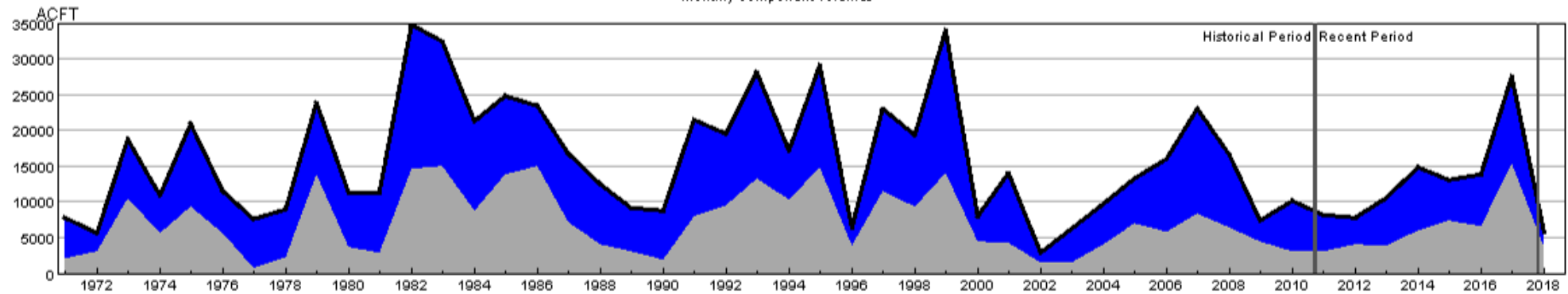
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

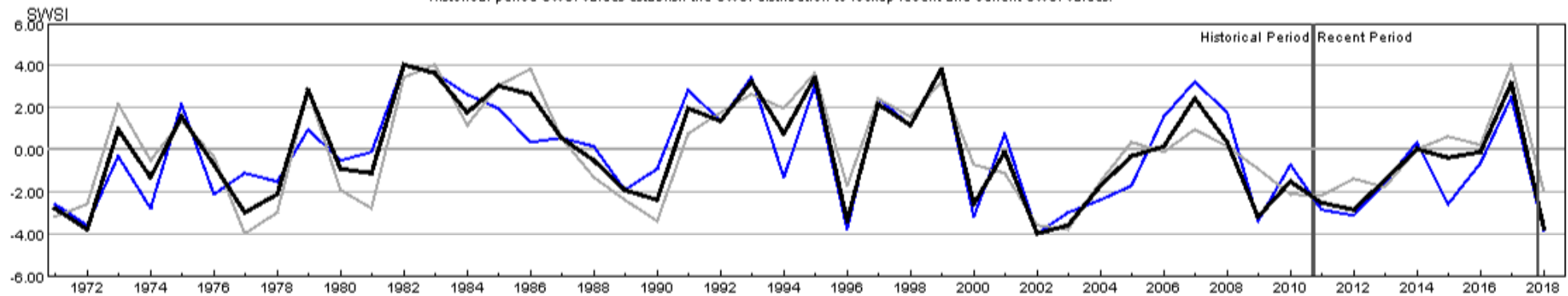
Monthly component volumes



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

HUC 13010002 (Alamosa-Trinchera) SWSI Values - SEP

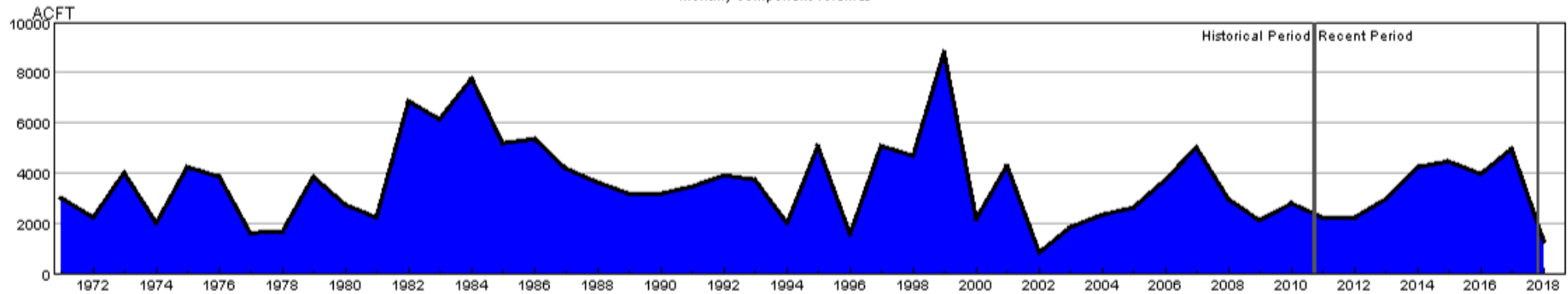
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

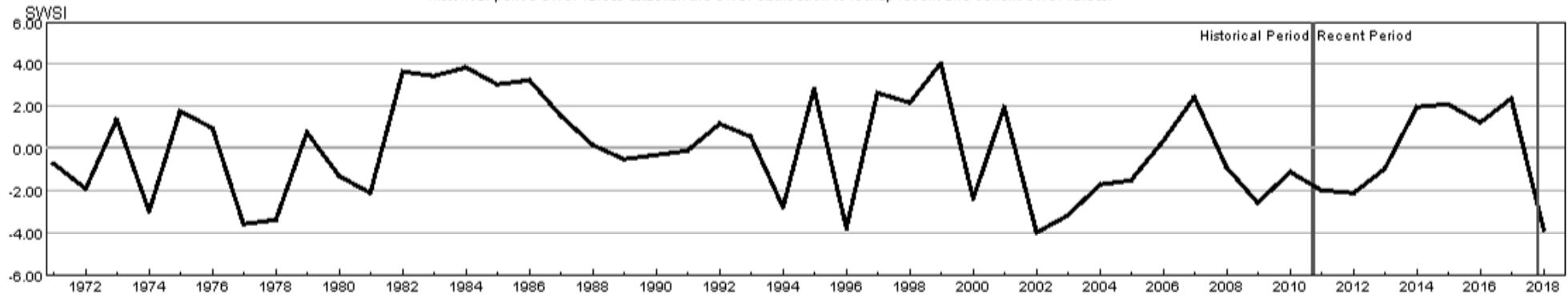
Monthly component volumes



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

HUC 13010004 (Saguache) SWSI Values - SEP

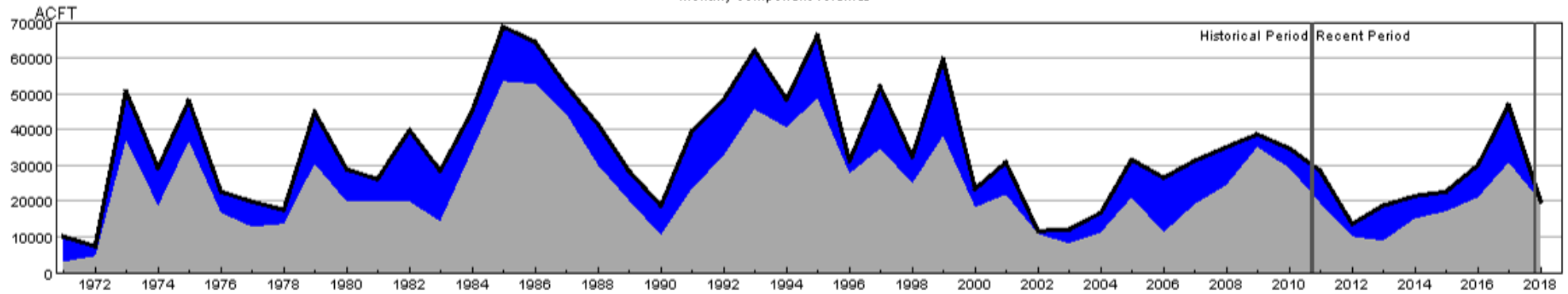
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

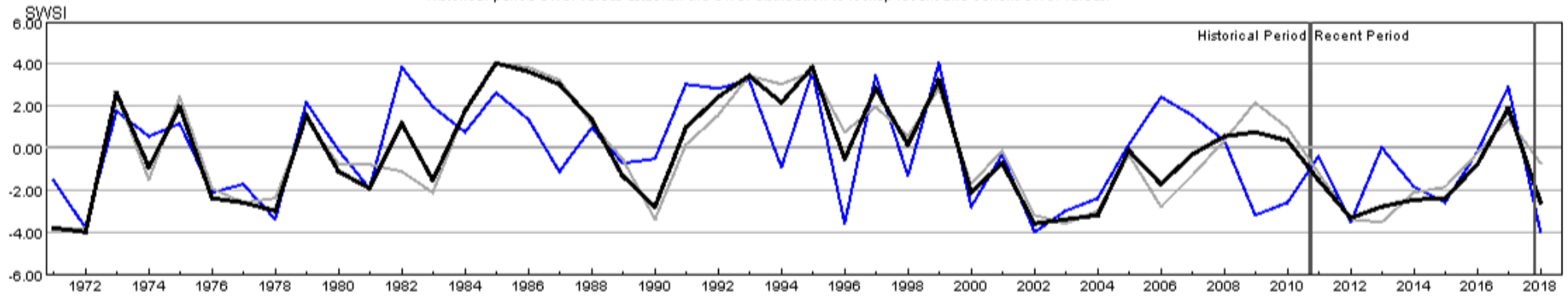
Monthly component volumes



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

HUC 13010005 (Conejos) SWSI Values - SEP

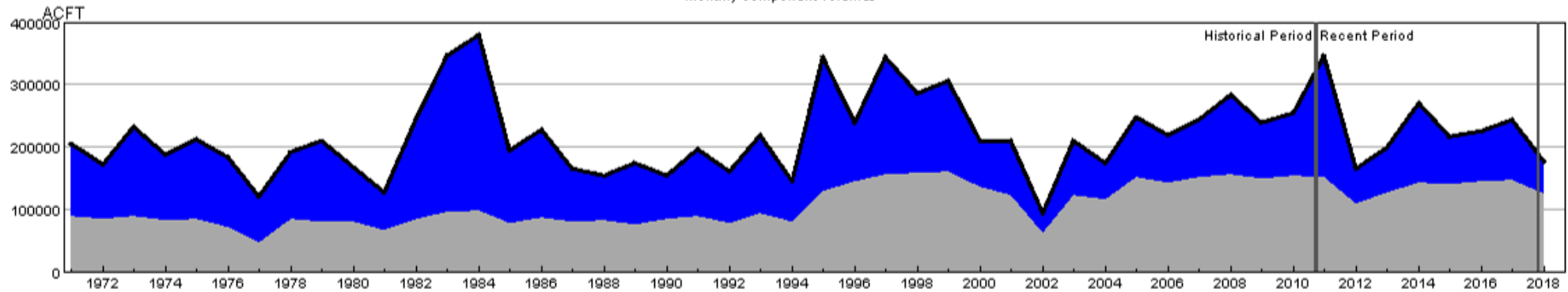
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14010001 (Colorado Headwaters) Surface Water Supply - SEP

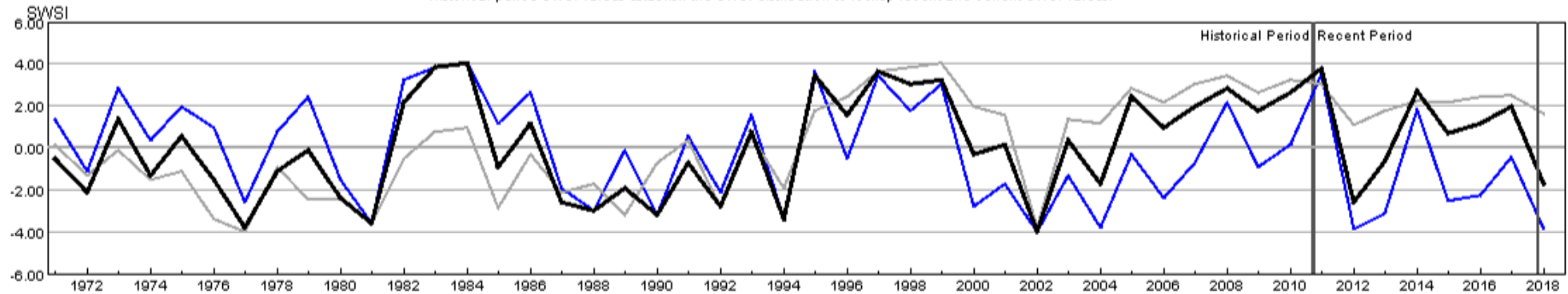
Monthly component volumes



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

HUC 14010001 (Colorado Headwaters) SWSI Values - SEP

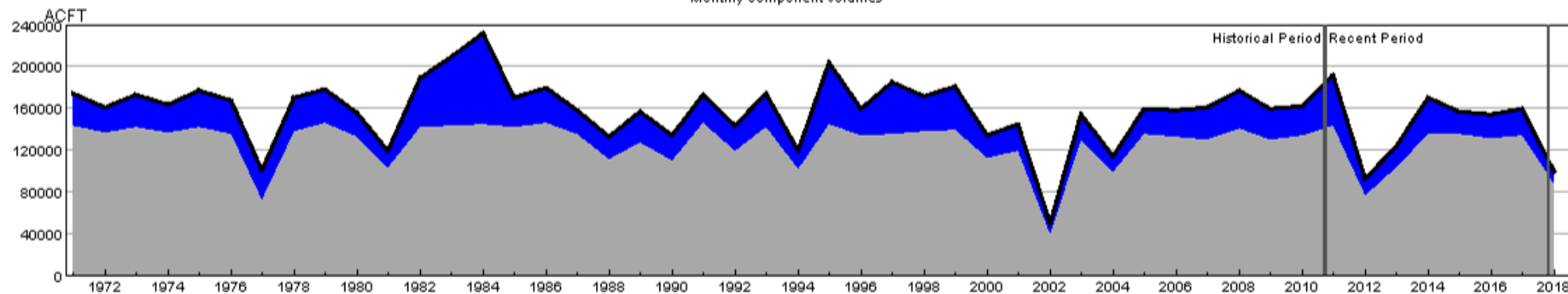
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

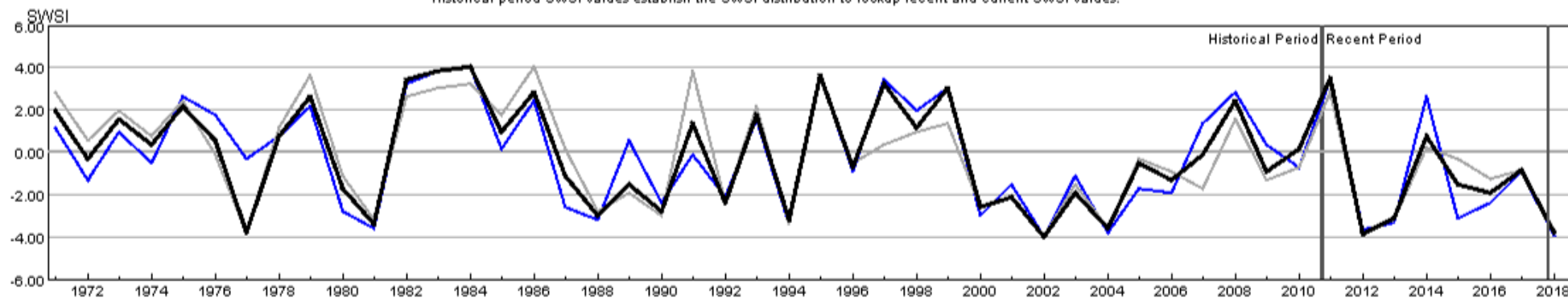
Monthly component volumes



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

HUC 14010002 (Blue) SWSI Values - SEP

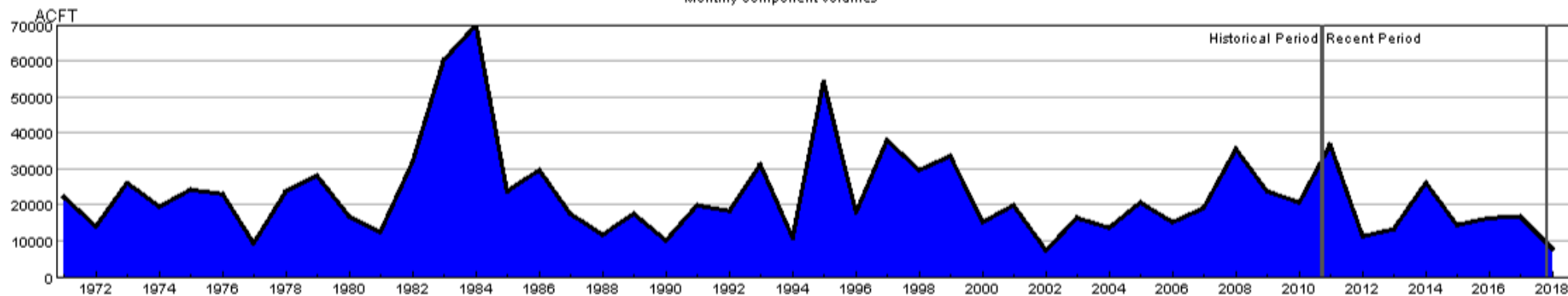
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

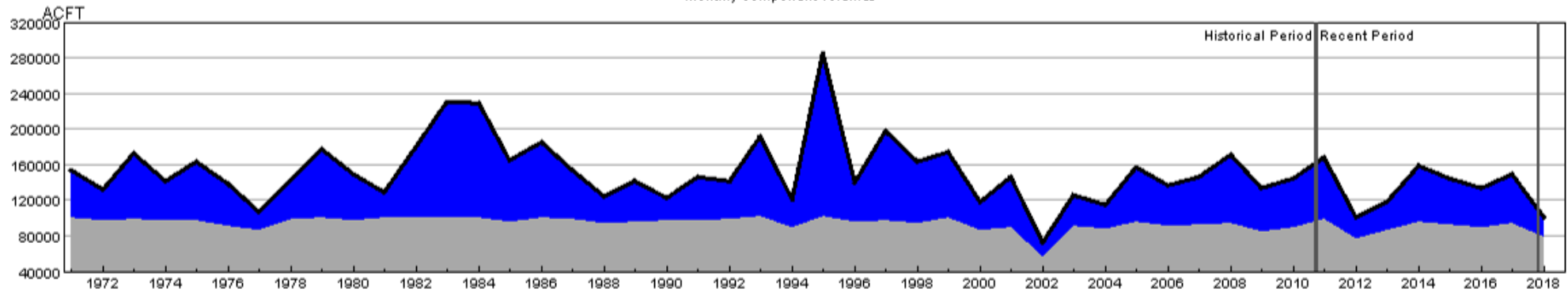
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

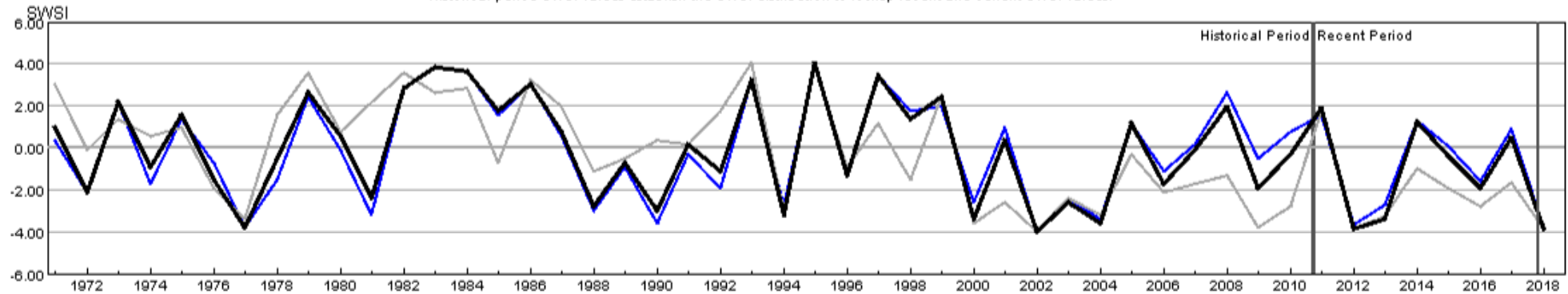
Monthly component volumes



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

HUC 14010004 (Roaring Fork) SWSI Values - SEP

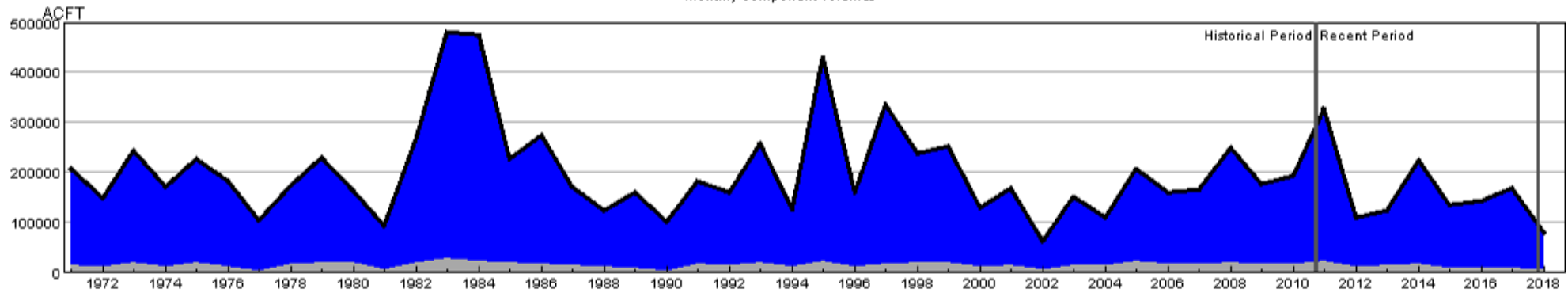
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

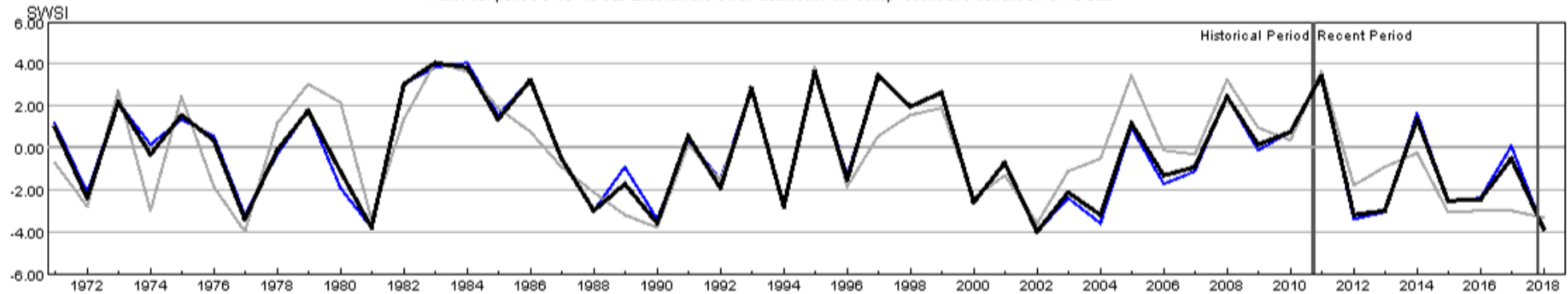
Monthly component volumes



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

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

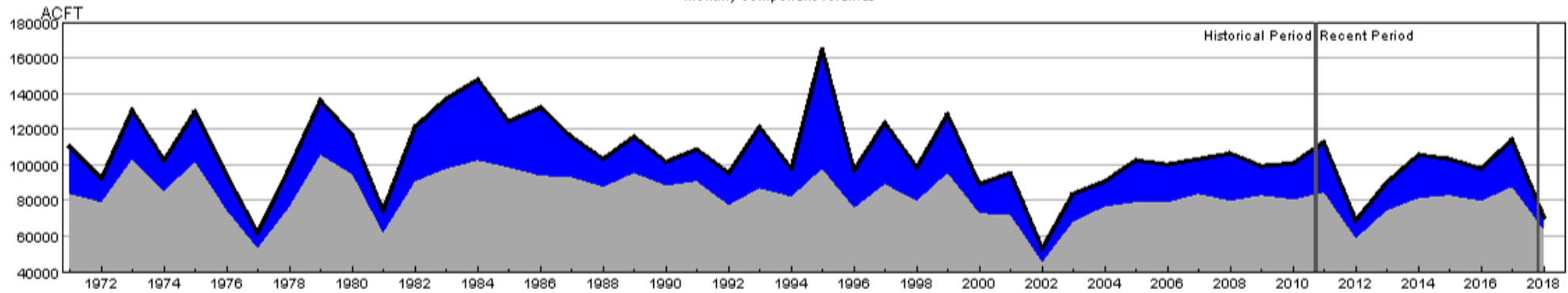
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

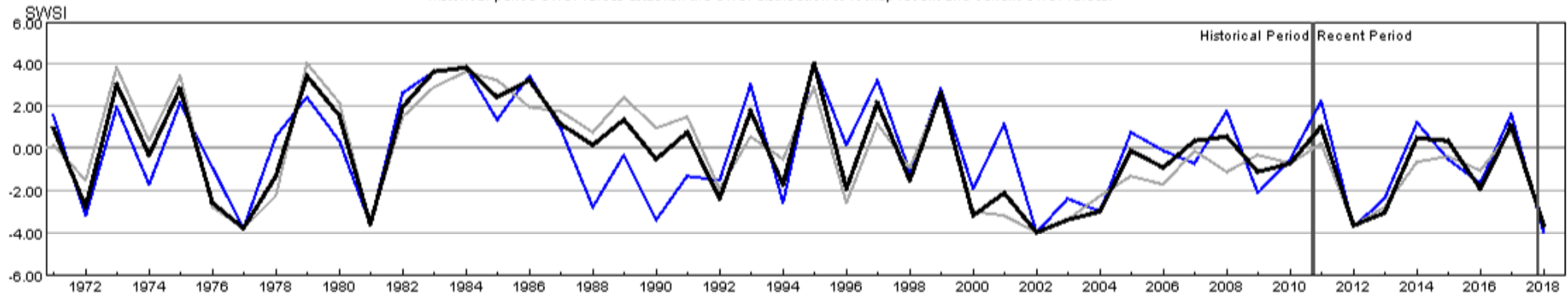
Monthly component volumes



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

HUC 14020001 (East-Taylor) SWSI Values - SEP

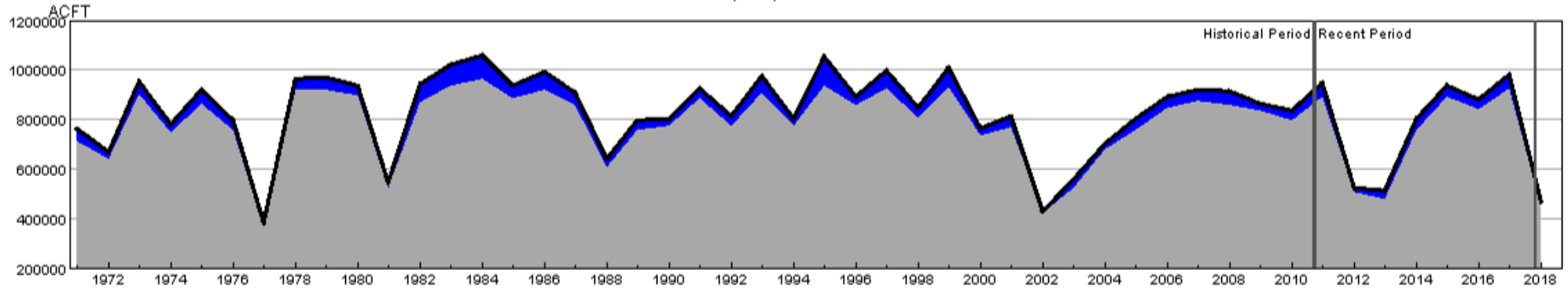
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

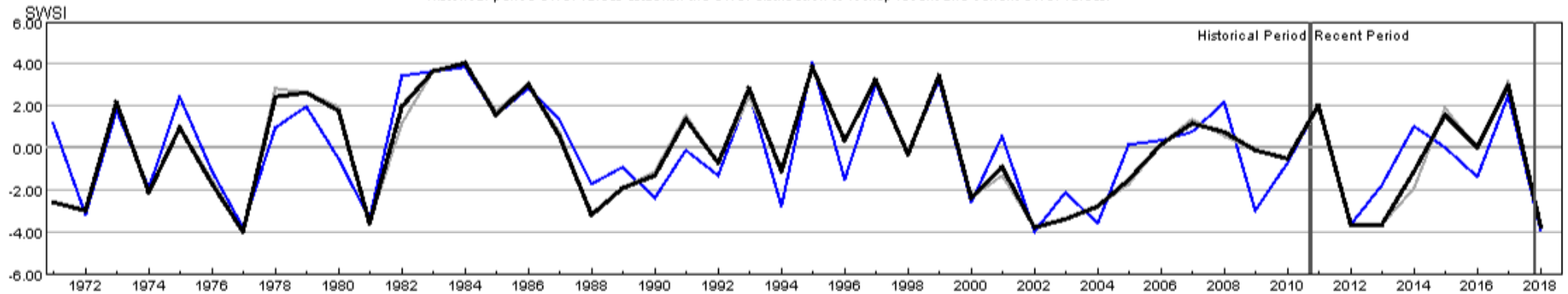
Monthly component volumes



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

HUC 14020002 (Upper Gunnison) SWSI Values - SEP

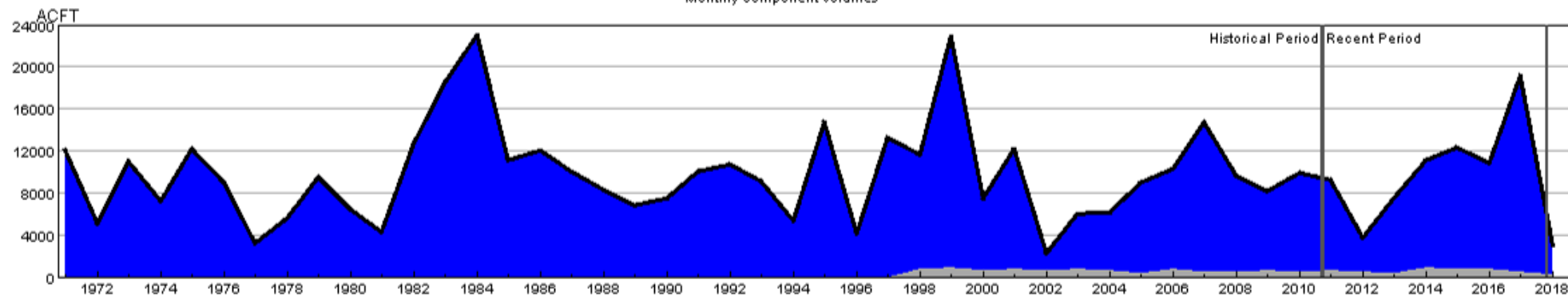
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

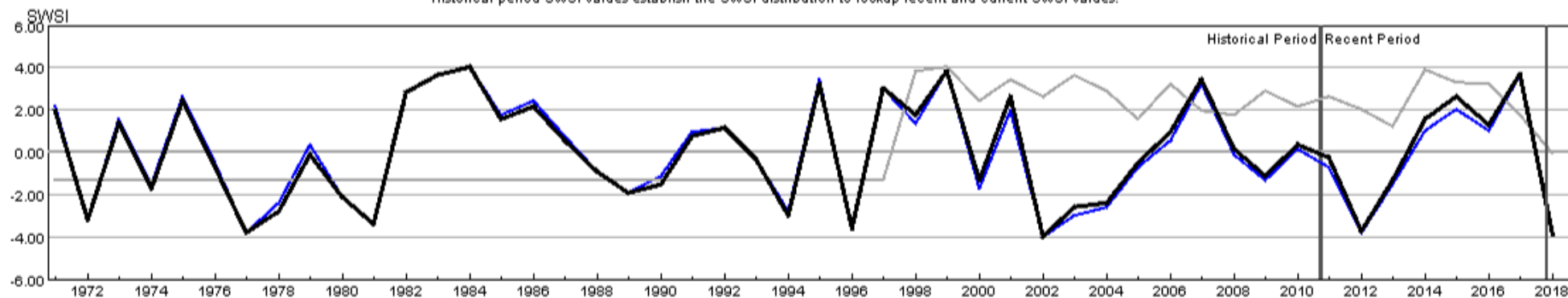
Monthly component volumes



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

HUC 14020003 (Tomichi) SWSI Values - SEP

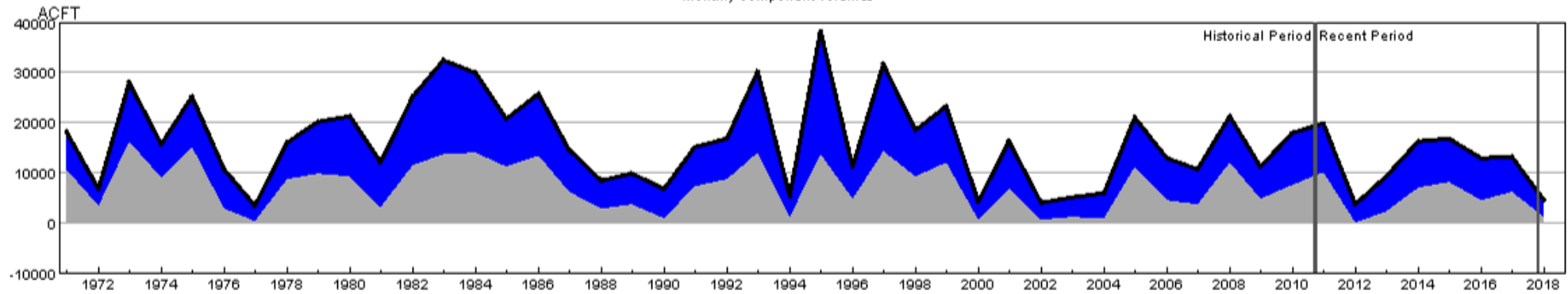
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

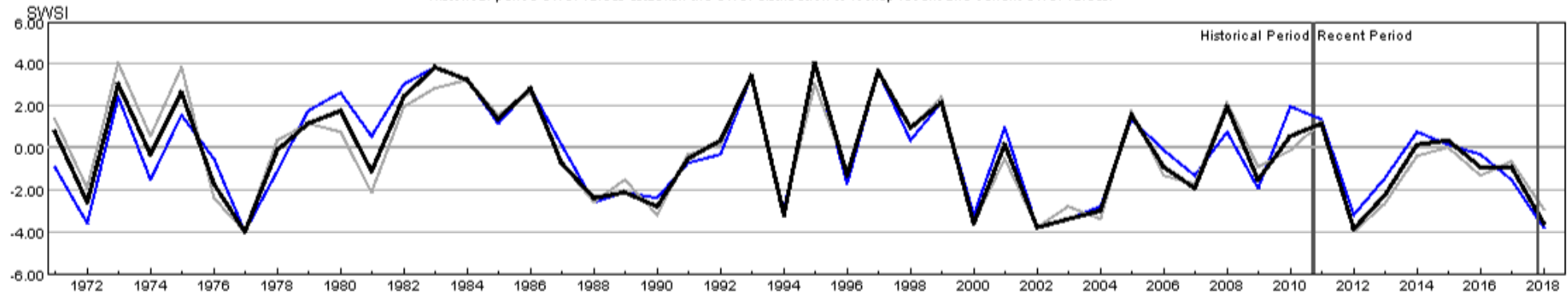
Monthly component volumes



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

HUC 14020004 (North Fork Gunnison) SWSI Values - SEP

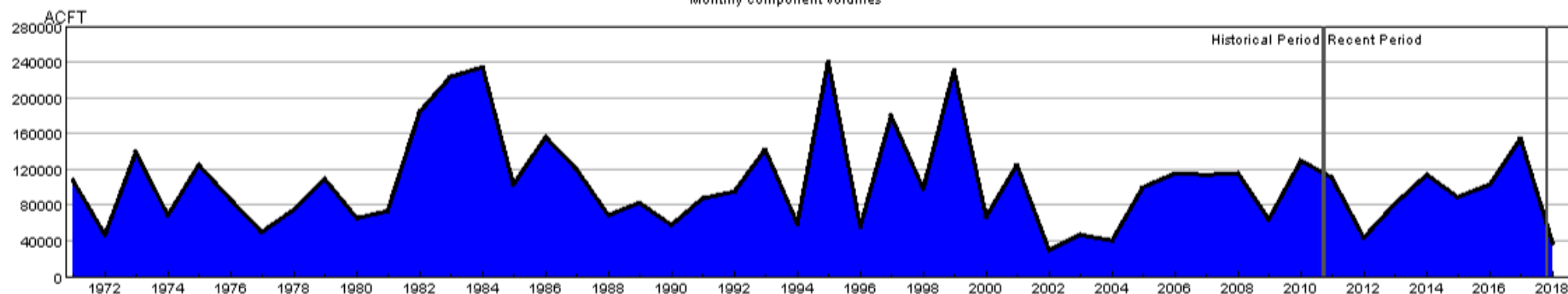
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

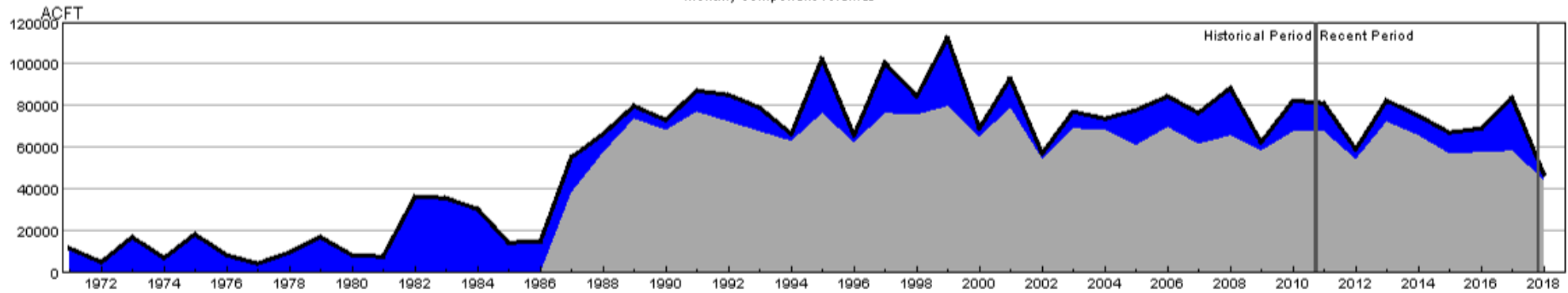
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

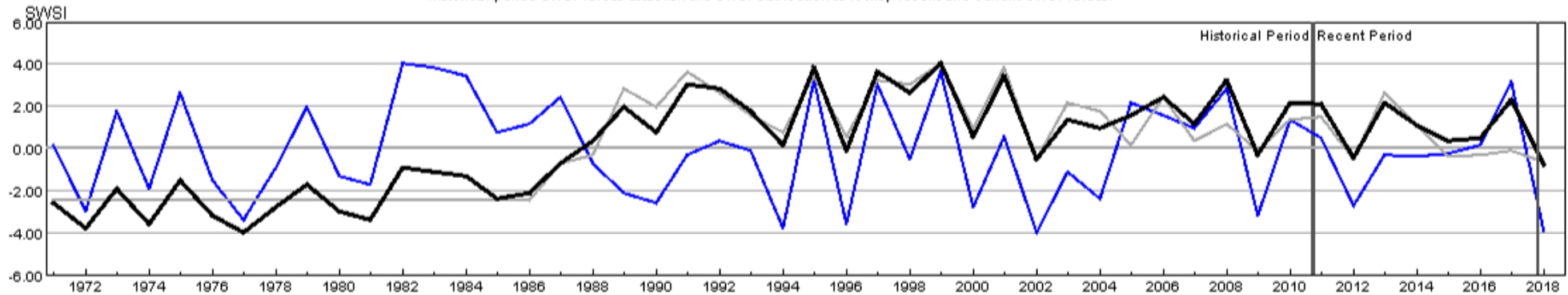
Monthly component volumes



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

HUC 14020006 (Uncompahgre) SWSI Values - SEP

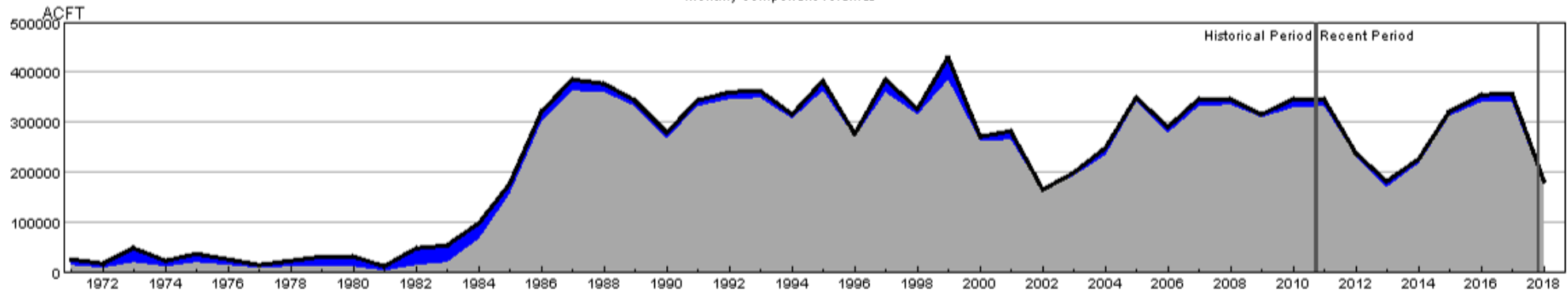
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

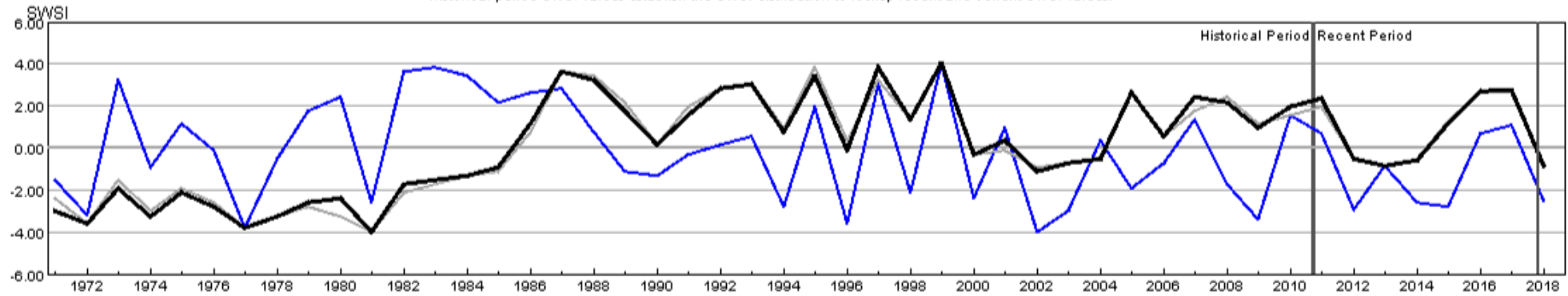
Monthly component volumes



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

HUC 14030002 (Upper Dolores) SWSI Values - SEP

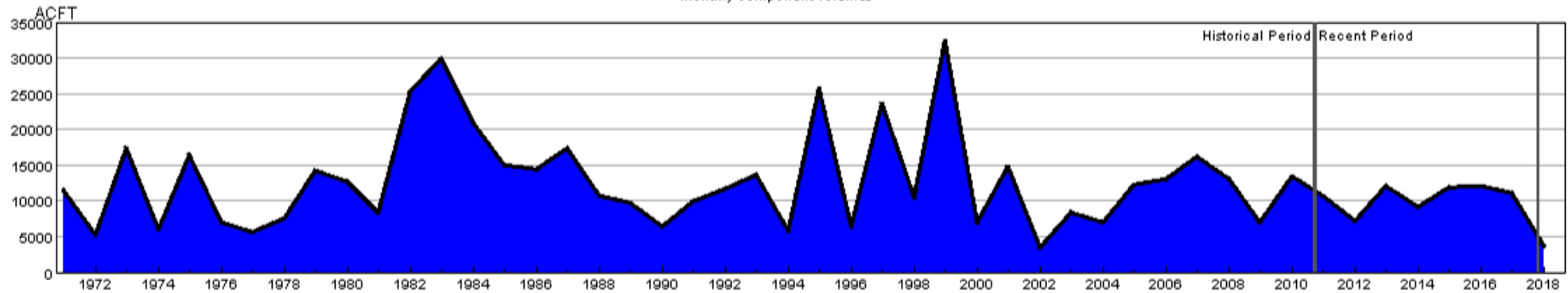
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

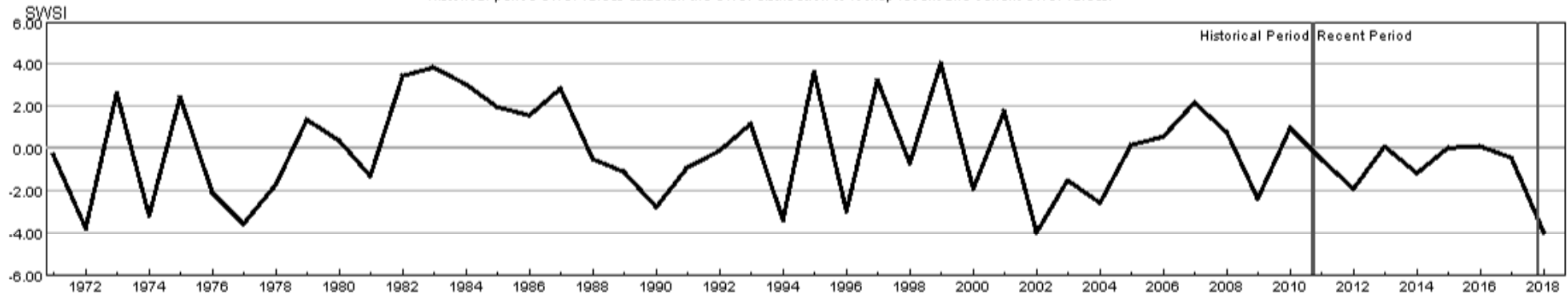
Monthly component volumes



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

HUC 14030003 (San Miguel) SWSI Values - SEP

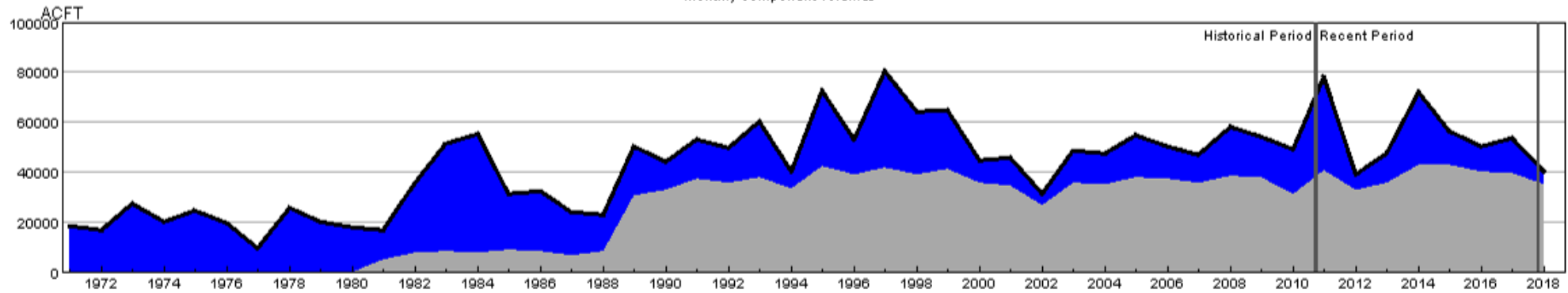
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

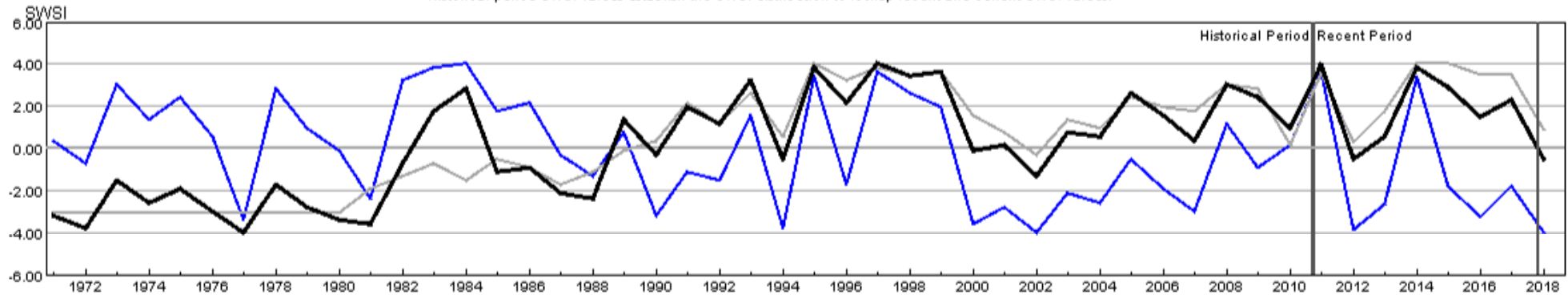
Monthly component volumes



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

HUC 14050001 (Upper Yampa) SWSI Values - SEP

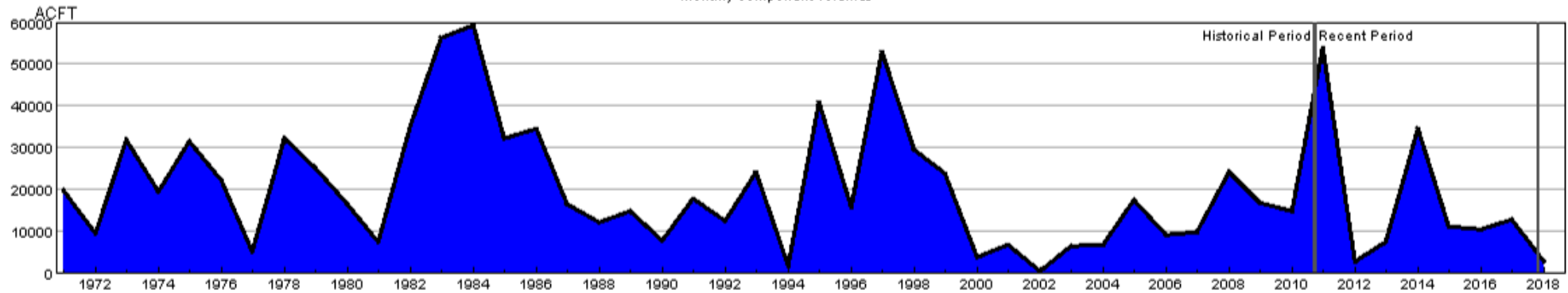
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

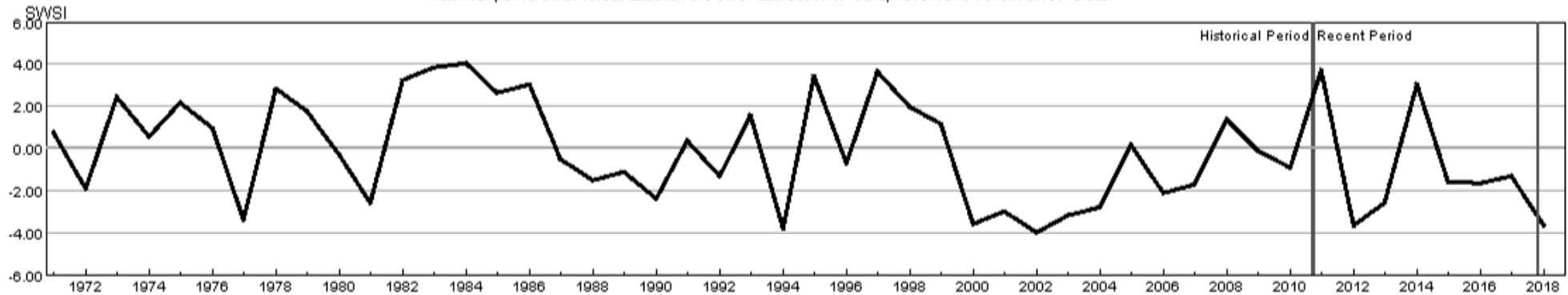
Monthly component volumes



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

HUC 14050002 (Lower Yampa) SWSI Values - SEP

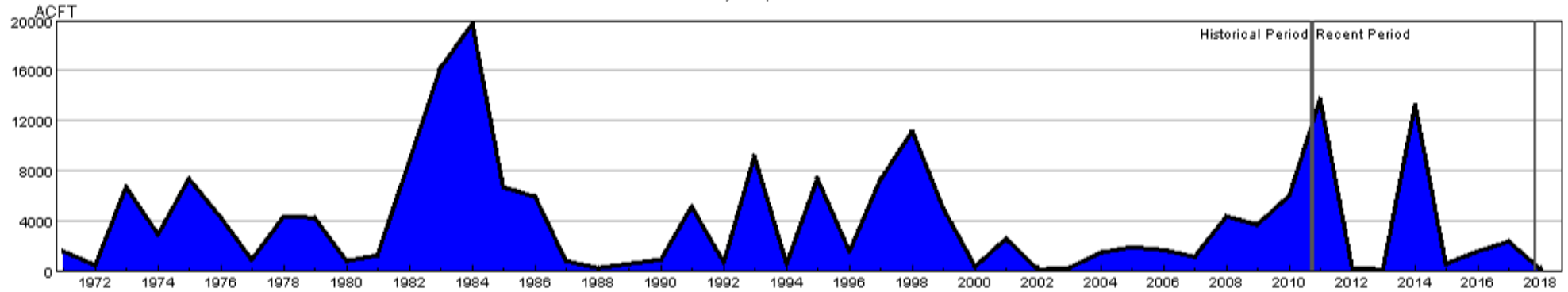
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

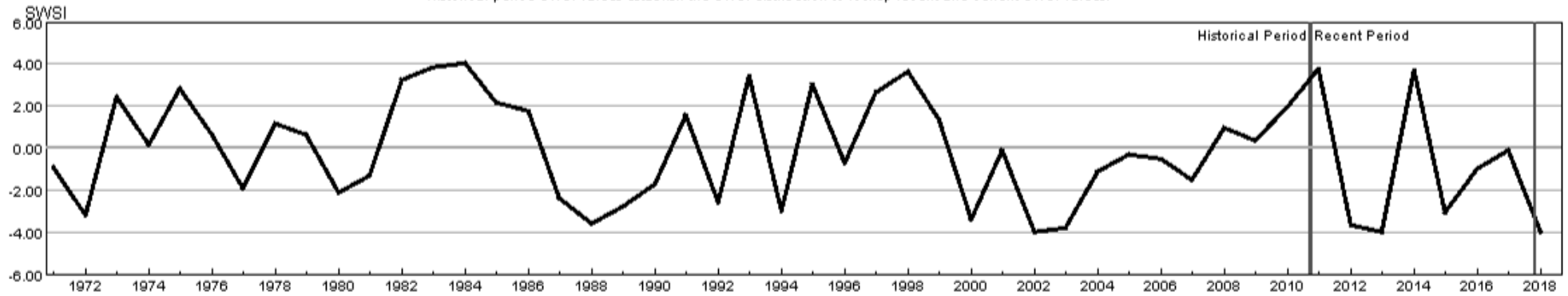
Monthly component volumes



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

HUC 14050003 (Little Snake) SWSI Values - SEP

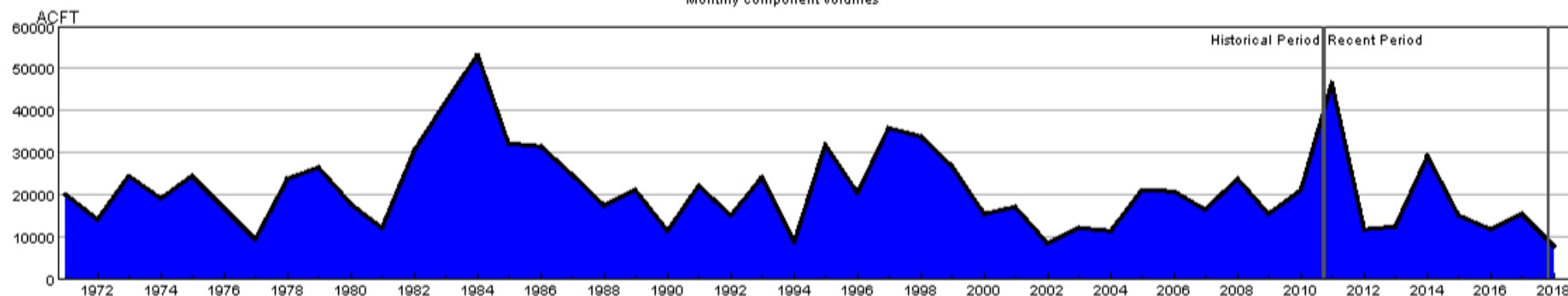
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

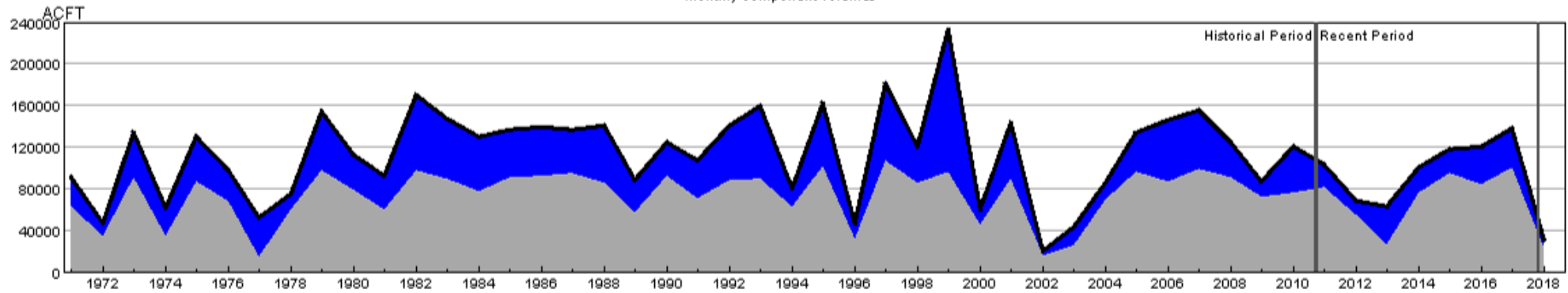
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

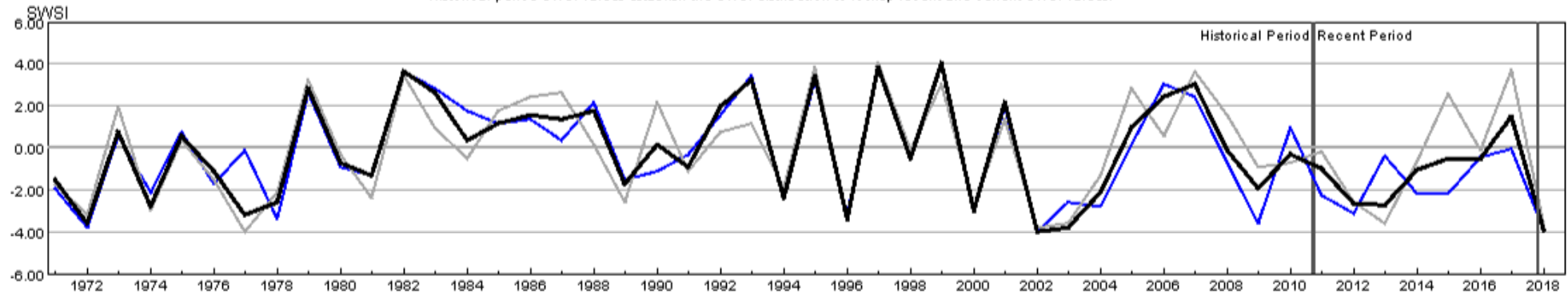
Monthly component volumes



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

HUC 14080101 (Upper San Juan) SWSI Values - SEP

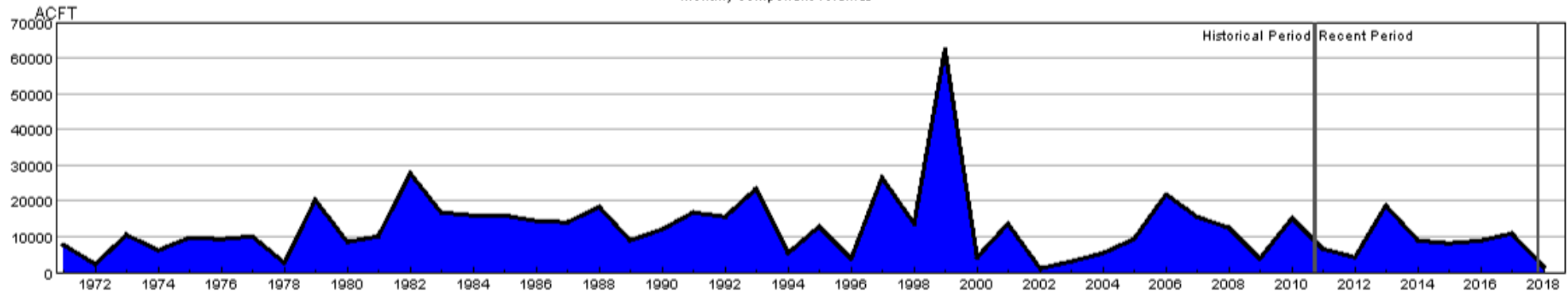
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

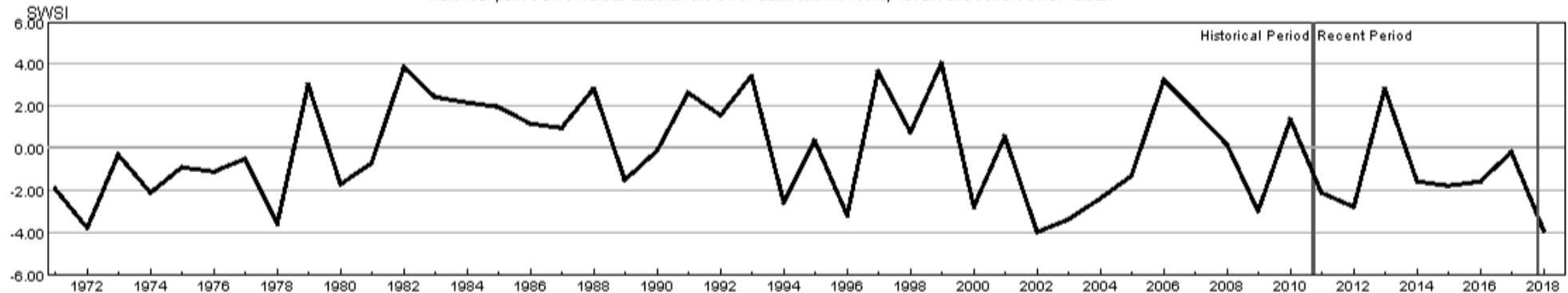
Monthly component volumes



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

HUC 14080102 (Piedra) SWSI Values - SEP

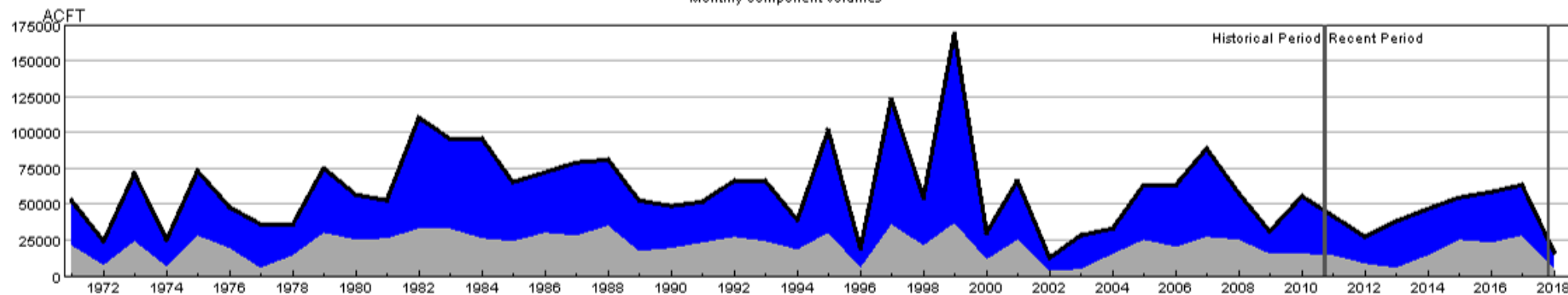
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

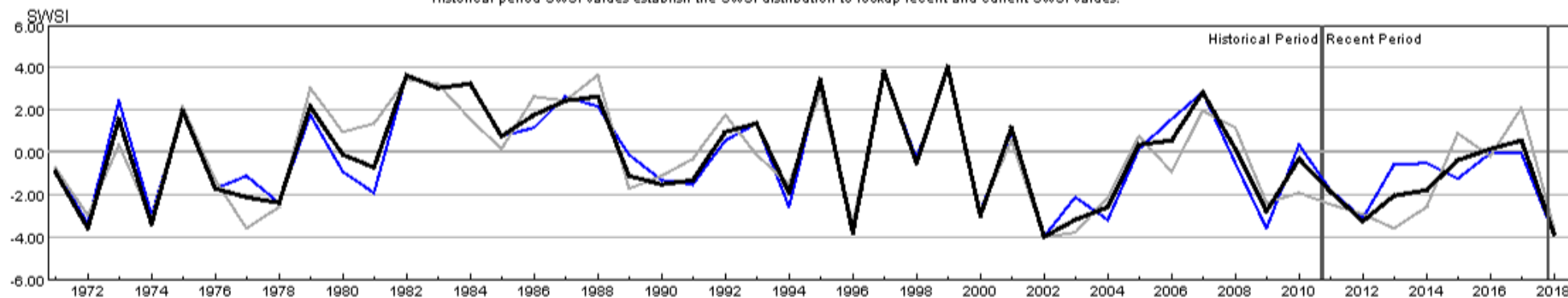
Monthly component volumes



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

HUC 14080104 (Animas) SWSI Values - SEP

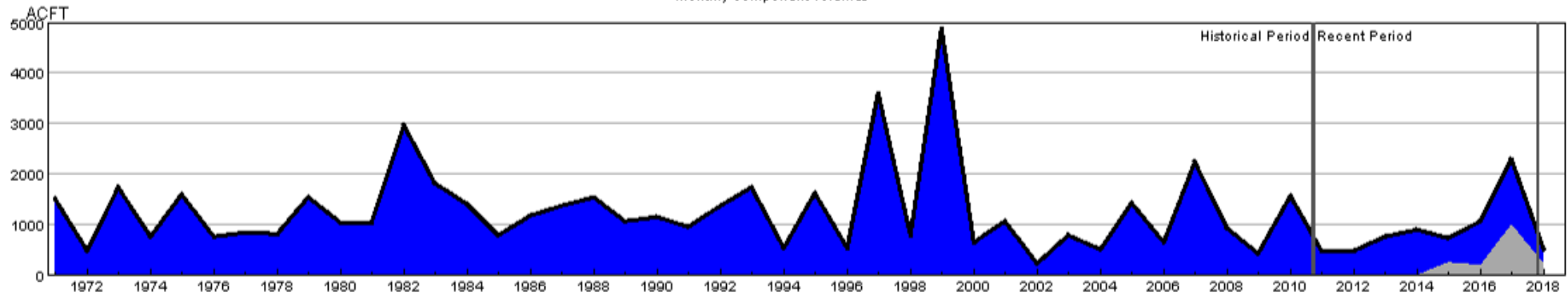
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

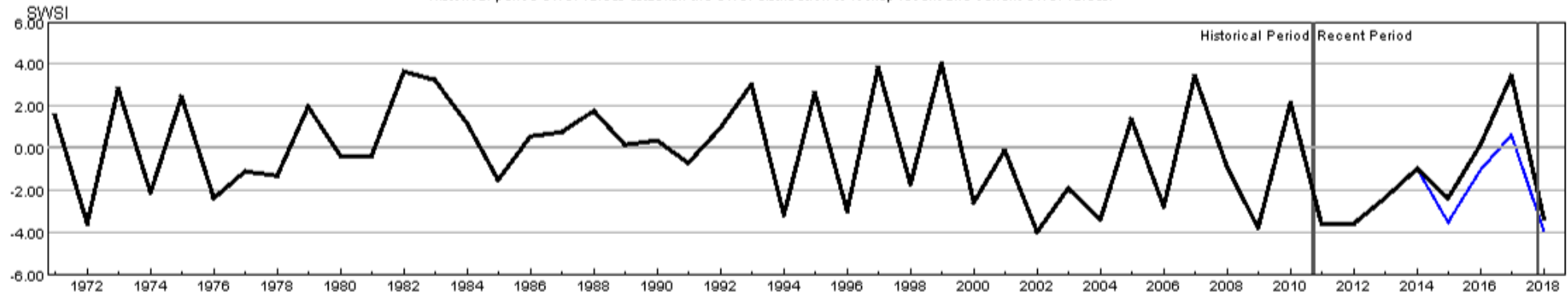
Monthly component volumes



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