
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
303-866-3581; www.water.state.co.us

September 1, 2019

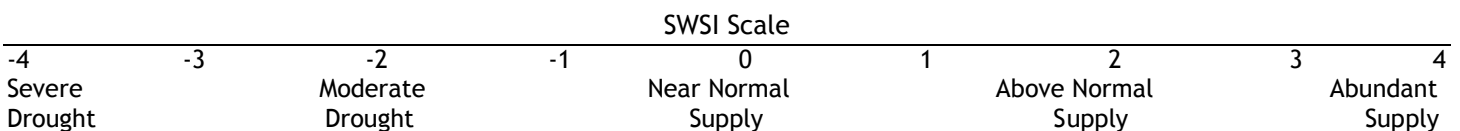
The Surface Water Supply Index (SWSI) is used as an indicator of water supply conditions in the seven major river basins of the state and in each of the 41 smaller watersheds, or HUCs. The Colorado Water Conservation Board (CWCB) completed a major revision to the Colorado Drought Plan in 2010. At that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

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

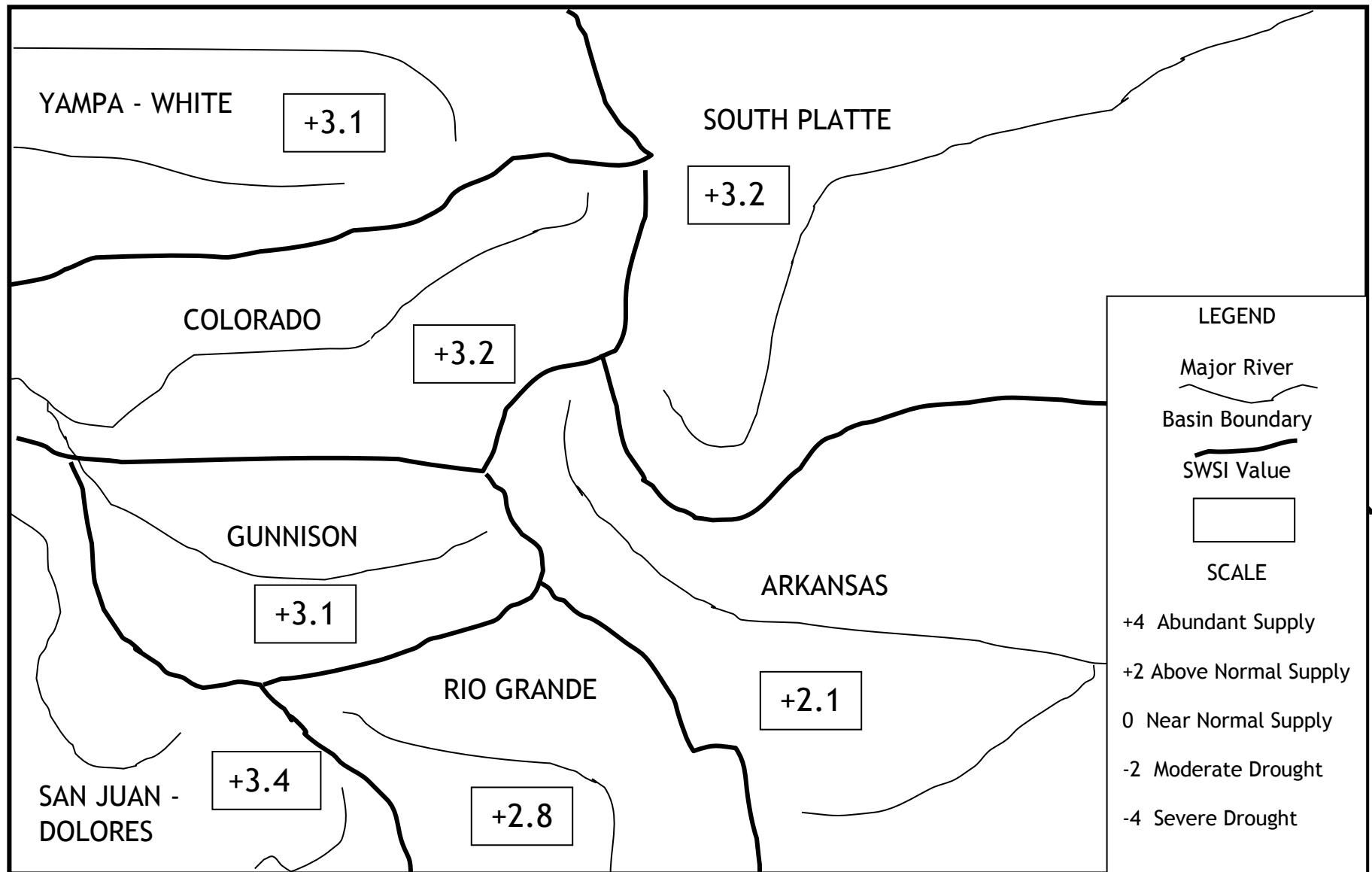
In 2015, CWCB and the Division of Water Resources (DWR) (both Divisions of the Colorado Department of Natural Resources) completed a software project to implement an automated calculation of the SWSI and to document the underlying hydrologic data. July 1, 2015 was the first month that the automated DNR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

The SWSI calculation for the summer season (July 1 to September 1) is based on the previous month's natural streamflow (the estimate of flow without the impacts of diversions and imports), combined with reservoir storage at the end of last month, in this case August 31. The statewide SWSI values for September 1 are above average. The SWSI values range from a low of +2.1 in the Arkansas Basin and a high of +3.4 in the San Juan-Dolores Basin, natural streamflow is average to above average, however some reservoir levels are still below normal.

Basin	September 1 SWSI	Change from Previous Month	Change from Previous Year
Arkansas	2.1	-0.5	0.2
Colorado	3.2	-0.4	6.8
Gunnison	3.1	-0.7	6.8
Rio Grande	2.8	-0.4	4.5
San Juan-Dolores	3.4	-0.5	5.7
South Platte	3.2	-0.6	2.6
Yampa-White	3.1	-0.6	5.7



SURFACE WATER SUPPLY INDEX FOR COLORADO BY MAJOR RIVER BASIN



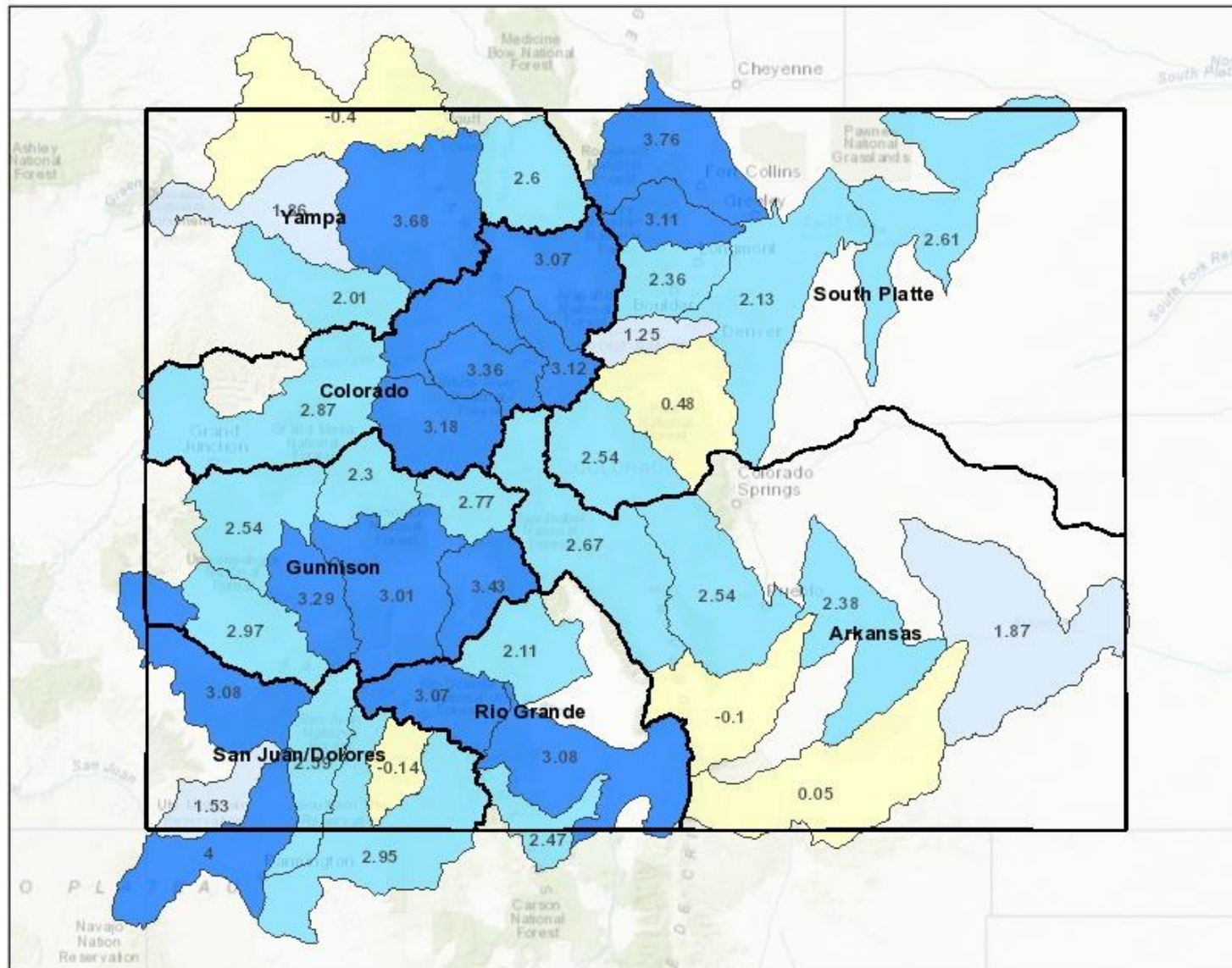
September 1, 2019

SURFACE WATER SUPPLY INDEX FOR COLORADO BY HUC



COLORADO'S
Decision Support Systems
CWCB / DWR

SWSI September 1, 2019

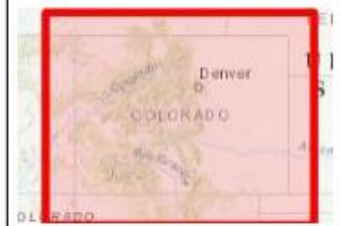


Legend

- 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: 9/20/2019 3:53:36 PM

September 1, 2019 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	-0.11	81	85	3,858
	11020010	Purgatoire	0.05	81	42	26,162
	11020005	Upper Arkansas-Lake Meredith	2.38	76	74	105,886
	11020009	Upper Arkansas-John Martin Reservoir	1.88	18	70	190,408
	11020001	Arkansas Headwaters	2.67	71	81	272,912
	11020002	Upper Arkansas	2.54	64	73	277,866
Colorado	14010003	Eagle	3.37	91	90	37,224
	14010002	Blue	3.13	83	86	182,155
	14010004	Roaring Fork	3.19	N/A	89	190,045
	14010005	Colorado Headwaters-Plateau	2.87	68	84	259,543
	14010001	Colorado Headwaters	3.08	90	81	292,000
Gunnison	14020003	Tomichi	3.44	75	89	14,985
	14030003	San Miguel	2.98	82	86	20,255
	14020004	North Fork Gunnison	2.31	81	84	24,231
	14020006	Uncompahgre	3.30	75	81	89,819
	14020001	East-Taylor	2.78	N/A	89	129,355
	14020005	Lower Gunnison	2.54	81	81	140,539
	14020002	Upper Gunnison	3.02	N/A	85	988,376
Rio Grande	13010004	Saguache	2.11	87	75	4,528
	13010002	Alamosa-Trinchera	3.09	89	79	25,816
	13010005	Conejos	2.48	N/A	74	49,283
	13010001	Rio Grande Headwaters	3.08	77	88	91,895
San Juan-Dolores	14080105	Middle San Juan	4.01	88	58	4,663
	14080107	Mancos	1.54	98	63	7,978
	14080102	Piedra	-0.15	N/A	48	11,615
	14080104	Animas	2.59	78	82	80,608
	14080101	Upper San Juan	2.95	50	68	154,929
	14030002	Upper Dolores	3.08	78	38	366,234
South Platte	10190004	Clear	1.25	78	65	14,184
	10190005	St. Vrain	2.36	62	61	86,132
	10190003	Middle South Platte-Cherry Creek	2.14	81	67	166,278
	10190001	South Platte Headwater	2.54	N/A	74	173,917
	10190007	Cache La Poudre	3.77	78	84	192,853
	10190012	Middle South Platte-Sterling	2.61	91	67	220,378
	10190002	Upper South Platte	0.49	95	49	340,865
	10190006	Big Thompson	3.11	93	58	611,717
Yampa-White	14050003	Little Snake	-0.40	N/A	45	1,733
	10180001	North Platte Headwaters	2.61	99	81	21,849
	14050005	Upper White	2.02	N/A	74	24,968
	14050002	Lower Yampa	1.86	N/A	72	27,090
	14050001	Upper Yampa	3.69	N/A	67	66,736

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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September 1, 2019 SWSI Component Information - Streamflow Forecast & Reservoir Storage - By HUC

HUC ID	HUC Name	Component Name	Component Volume (AF)	Component NEP for Month
11020001	Arkansas Headwaters	CLEAR CREEK RESERVOIR	6,350	54
		HOMESTAKE RESERVOIR	41,450	73
		ARKANSAS RIVER AT SALIDA	41,685	81
		TWIN LAKES RESERVOIR	61,835	77
		TURQUOISE LAKE	121,592	68
11020006	Huerfano	CUCHARAS RESERVOIR	-	18
		CUCHARAS RIVER AT BOYD RANCH NR LA VETA	1,186	69
		HUERFANO RIVER NEAR REDWING	2,672	87
11020010	Purgatoire	PURGATOIRE RIVER AT TRINIDAD	4,622	42
		TRINIDAD LAKE	21,540	64
11020002	Upper Arkansas	PUEBLO RESERVOIR INFLOW	63,666	73
		PUEBLO RESERVOIR	214,200	81
11020009	Upper Arkansas-John Martin Reservoir	CUCHARAS RIVER AT BOYD RANCH NR LA VETA	1,186	69
		HUERFANO RIVER NEAR REDWING	2,672	87
		PURGATOIRE RIVER AT TRINIDAD	4,622	42
		ADOBE CREEK RESERVOIR	13,425	37
		PUEBLO RESERVOIR INFLOW	63,666	73
		JOHN MARTIN RESERVOIR	104,837	72
11020005	Upper Arkansas-Lake Meredith	CUCHARAS RIVER AT BOYD RANCH NR LA VETA	1,186	69
		HUERFANO RIVER NEAR REDWING	2,672	87
		LAKE HENRY	7,809	91
		MEREDITH RESERVOIR	30,553	73
		PUEBLO RESERVOIR INFLOW	63,666	73
14010002	Blue	BLUE RIVER INFLOW TO GREEN MOUNTAIN RES	39,982	86
		GREEN MOUNTAIN RESERVOIR	142,173	83
14010001	Colorado Headwaters	WOLFORD MOUNTAIN RESERVOIR	60,040	88
		WILLIAMS FORK RESERVOIR	94,300	88
		COLORADO RIVER NEAR DOTSERO	137,660	81
14010005	Colorado Headwaters-Plateau	VEGA RESERVOIR	19,567	90
		COLORADO RIVER NEAR CAMEO	239,976	84
14010003	Eagle	EAGLE RIVER BELOW GYPSUM	37,224	90
14010004	Roaring Fork	ROARING FORK AT GLENWOOD SPRINGS	91,519	89
		RUEDI RESERVOIR	98,526	68
14020001	East-Taylor	TAYLOR R INF TO TAYLOR PARK RESERVOIR	14,828	88
		EAST RIVER AT ALMONT	20,567	87
		TAYLOR PARK RESERVOIR	93,960	75
14020005	Lower Gunnison	GUNNISON RIVER NR GRAND JUNCTION	140,539	81
14020004	North Fork Gunnison	PAONIA RESERVOIR	11,539	75
		NORTH FORK GUNNISON R NR SOMERSET	12,692	84
14030003	San Miguel	SAN MIGUEL RIVER NEAR PLACERVILLE	20,255	86
14020003	Tomichi	VOUGA RESERVOIR NEAR DOYLEVILLE	597	81
		TOMICHI CREEK AT GUNNISON, CO	14,388	89

HUC ID	HUC Name	Component Name	Component Volume (AF)	Component NEP for Month
14020006	Uncompahgre	UNCOMPAHGRE RIVER AT COLONA	17,838	81
		RIDGEWAY RESERVOIR	71,981	81
14020002	Upper Gunnison	FRUITLAND RESERVOIR	3,150	92
		SILVER JACK RESERVOIR	7,848	69
		CRAWFORD RESERVOIR	9,270	88
		LAKE FORK AT GATEVIEW, CO	20,045	86
		GUNNISON RIVER NEAR GUNNISON, CO	51,393	86
		MORROW POINT RESERVOIR	112,207	21
		BLUE MESA RESERVOIR	784,463	83
13010002	Alamosa-Trinchera	SANGRE DE CRISTO	501	42
		TRINCHERA CK	1,198	73
		UTE CREEK	1,745	83
		CULEBRA CREEK AT SAN LUIS	1,874	49
		MOUNTAIN HOME	4,301	69
		ALAMOSA CREEK ABOVE TERRACE RESERVOIR	6,438	90
		TERRACE RESERVOIR	9,759	97
13010005	Conejos	CONEJOS RIVER NEAR MOGOTE	13,914	74
		PLATORO RESERVOIR	35,369	77
13010001	Rio Grande Headwaters	RIO GRANDE RESERVOIR	4,169	34
		SANTA MARIA RESERVOIR	13,430	82
		CONTINENTAL RESERVOIR	20,479	99
		RIO GRANDE NEAR DEL NORTE	53,817	88
13010004	Saguache	SAGUACHE CREEK NEAR SAGUACHE, CO	4,528	75
14080104	Animas	FLORIDA RIVER INFLOW TO LEMON RESERVOIR	3,691	43
		LEMON RESERVOIR	28,171	78
		ANIMAS RIVER AT DURANGO	48,746	82
14080107	Mancos	MANCOS RIVER NEAR MANCOS	1,157	63
		JACKSON GULCH RESERVOIR	6,821	78
14080105	Middle San Juan	LA PLATA RIVER AT HESPERUS	1,344	59
		LONG HOLLOW RESERVOIR	3,319	50
14080102	Piedra	PIEDRA RIVER NEAR ARBOLES	11,615	48
14030002	Upper Dolores	DOLORES RIVER BELOW MCPHEE RESERVOIR	11,274	38
		GROUNDHOG RESERVOIR	21,600	99
		MCPHEE RESERVOIR	333,360	86
14080101	Upper San Juan	LOS PINOS RIVER NEAR BAYFIELD	19,519	62
		SAN JUAN RIVER NEAR CARRACAS	30,537	81
		VALLECITO RESERVOIR	104,873	98
10190006	Big Thompson	MARIANO RESERVOIR	2,000	82
		LONE TREE RESERVOIR	4,300	74
		LAKE LOVELAND RESERVOIR	5,900	25
		WILLOW CREEK RESERVOIR	7,913	57
		BIG THOMPSON R AT MOUTH, NR DRAKE, CO	11,540	58
		BOYD LAKE	39,400	88
		CARTER LAKE	102,984	99
		LAKE GRANBY	437,680	69

HUC ID	HUC Name	Component Name	Component Volume (AF)	Component NEP for Month
10190007	Cache La Poudre	HALLIGAN RESERVOIR	3,400	34
		BLACK HOLLOW RESERVOIR	4,600	99
		WINDSOR RESERVOIR	5,300	49
		CHAMBERS LAKE	6,800	96
		CACHE LA POUDRE	6,900	93
		FOSSIL CREEK RESERVOIR	7,500	96
		COBB LAKE	19,900	90
		CACHE LA POUDRE R AT CANYON MOUTH	20,011	84
		HORSETOOTH RESERVOIR	118,442	92
10190004	Clear Creek	CLEAR CREEK AT GOLDEN	14,184	65
10190003	Middle South Platte-Cherry Creek	SOUTH BOULDER CK NR ELDORADO SPRINGS, CO	2,309	58
		HORSECREEK RESERVOIR	4,200	42
		BOULDER CREEK NEAR ORODELL	6,578	72
		SAINT VRAIN CREEK AT LYONS	10,630	58
		BIG THOMPSON R AT MOUTH, NR DRAKE, CO	11,540	58
		CLEAR CREEK AT GOLDEN	14,184	65
		BARR LAKE	14,800	73
		MILTON RESERVOIR	17,400	99
		CACHE LA POUDRE R AT CANYON MOUTH	20,011	84
		SOUTH PLATTE RIVER AT SOUTH PLATTE	24,226	49
		STANDLEY RESERVOIR	40,400	80
10190012	Middle South Platte-Sterling	SOUTH BOULDER CK NR ELDORADO SPRINGS, CO	2,309	58
		BOULDER CREEK NEAR ORODELL	6,578	72
		SAINT VRAIN CREEK AT LYONS	10,630	58
		BIG THOMPSON R AT MOUTH, NR DRAKE, CO	11,540	58
		JULESBURG RESERVOIR	13,800	91
		CLEAR CREEK AT GOLDEN	14,184	65
		EMPIRE RESERVOIR	14,600	79
		PREWITT RESERVOIR	18,300	84
		CACHE LA POUDRE R AT CANYON MOUTH	20,011	84
		JACKSON LAKE RESERVOIR	21,900	89
		RIVERSIDE RESERVOIR	24,100	85
		SOUTH PLATTE RIVER AT SOUTH PLATTE	24,226	49
		POINT OF ROCKS RESERVOIR	38,200	99
10190001	South Platte Headwater	ELEVENMILE CANYON RESV INFLOW	9,917	74
		ANTERO RESERVOIR	19,600	54
		SPINNEY MOUNTAIN RESERVOIR	44,800	78
		ELEVENMILE CANYON RESERVOIR	99,600	46
10190005	St. Vrain	SOUTH BOULDER CK NR ELDORADO SPRINGS, CO	2,309	58
		TERRY RESERVOIR	3,500	20
		MARSHALL RESERVOIR	5,800	52
		BOULDER CREEK NEAR ORODELL	6,578	72
		SAINT VRAIN CREEK AT LYONS	10,630	58
		UNION RESERVOIR	11,932	83
		BUTTONROCK (RALPH PRICE) RESERVOIR	16,200	68
		GROSS RESERVOIR	29,183	98

HUC ID	HUC Name	Component Name	Component Volume (AF)	Component NEP for Month
10190002	Upper South Platte	SOUTH PLATTE RIVER AT SOUTH PLATTE	24,226	49
		CHEESMAN LAKE	67,939	31
		DILLON RESERVOIR	248,700	99
14050003	Little Snake	LITTLE SNAKE RIVER NEAR LILY	1,733	45
14050002	Lower Yampa	YAMPA RIVER NEAR MAYBELL	27,090	72
10180001	North Platte Headwaters	NORTH PLATTE R NR NORTHGATE	21,849	81
14050005	Upper White	WHITE RIVER NEAR MEEKER	24,968	74
14050001	Upper Yampa	ELKHEAD CREEK ABOVE LONG GULCH	315	53
		YAMCOLO RESERVOIR	9,203	99
		YAMPA RIVER AT STEAMBOAT SPRINGS	9,592	72
		ELK RIVER NEAR MILNER, CO	11,226	70
		STAGECOACH RESERVOIR NR OAK CREEK	36,400	99

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

*No longer exists

Water Volume NEP Color Scale:

0 (Well Below Normal)

50 (Normal)

100 (Well Above Normal)

Basinwide Conditions Assessment

The SWSI value for the month was +3.2.

Northeast Colorado enjoyed above average streamflows during the months of June and July with the delayed snowpack melt off. The peak runoff from seasonal snowmelt ended during the month of July, with the streamflows in many upper tributaries in the South Platte Basin quickly transitioning from above average flows near the beginning of August to below average flows by the end of August. This was due to many of the mountain and foothill areas in the basin experiencing below average precipitation and above average temperatures during the month of August. However, differing conditions controlled on the eastern plains experiencing above average precipitation and below average temperatures during the month of August. Reservoir releases during the later portion of August into September increased to meet demands, primarily irrigation, above the available native supplies in the streams.

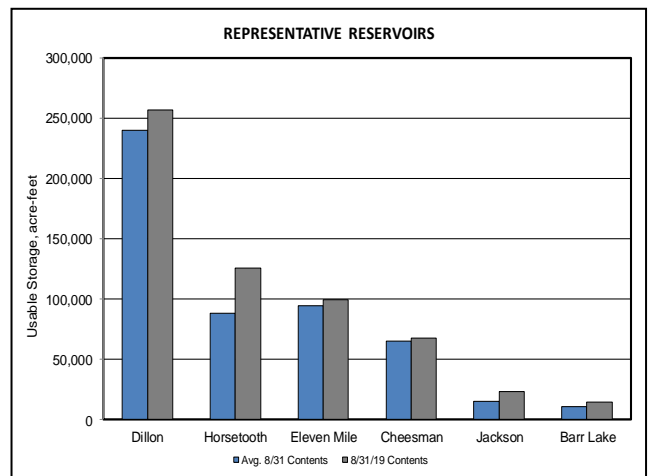
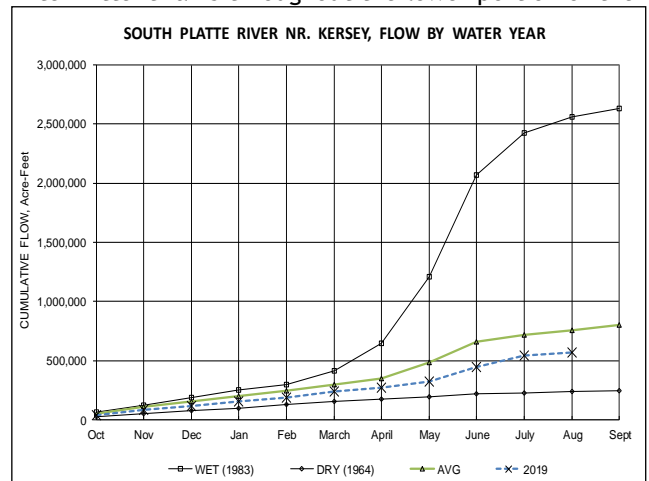
With the conditions of the basin transitioning from cool temperatures, above average precipitation in the form of snowpack to warm temperatures and below average precipitation, August found portions of the basin experiencing drought conditions for the first time this year by the end of August. The USDA Drought Monitor rating for northeast Colorado identified several counties with the majority or entire county with a rating of DO (abnormally dry) in the westerly (mountainous/foothill areas) areas including: Larimer, Boulder, Gilpin, Clear Creek, Park, Jefferson, Denver, and Broomfield Counties. A rating of DO began to appear at the end of August in small portions of several more counties including: Douglas, Arapahoe, and Adams Counties. 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.

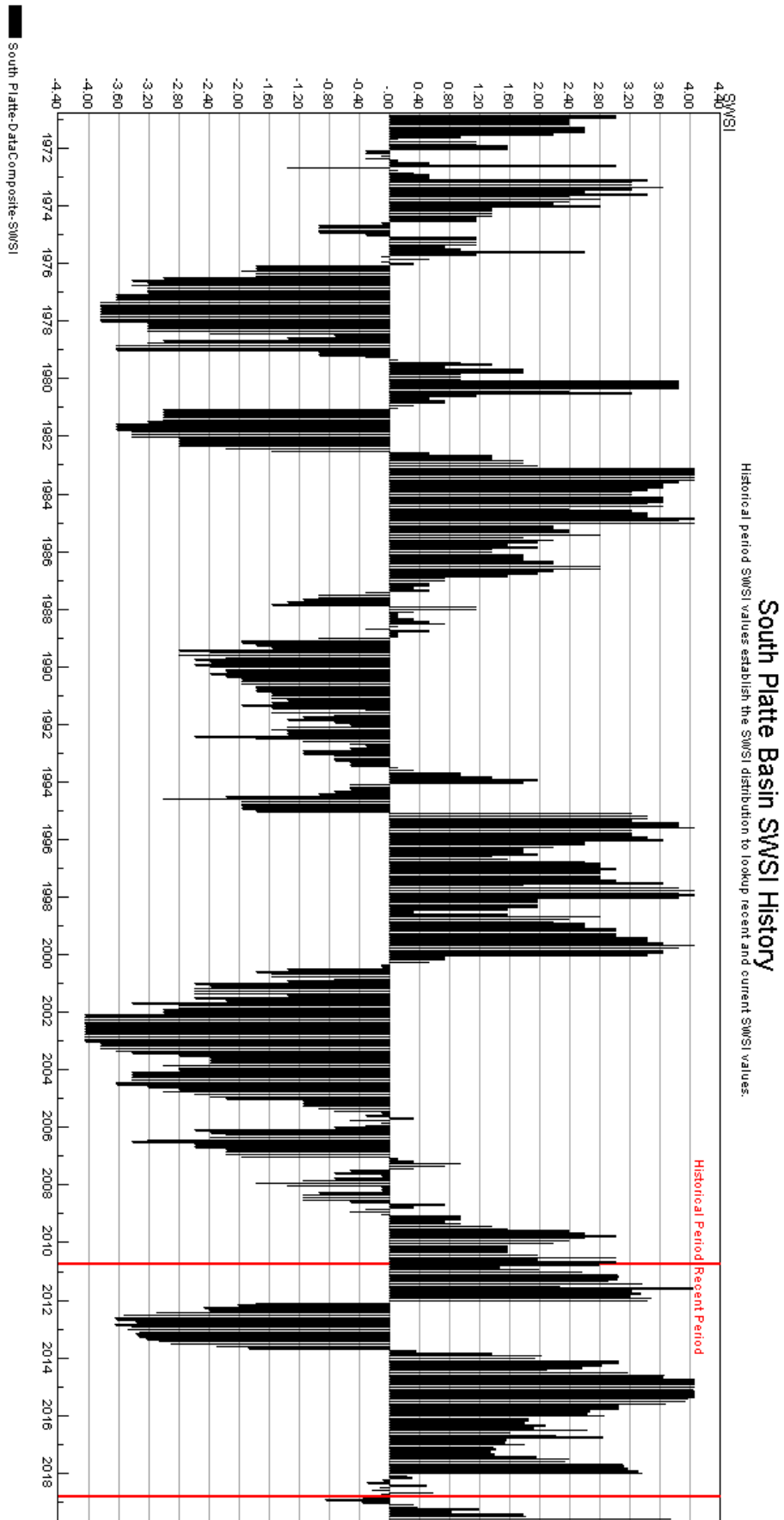
The seasonal snowmelt and runoff that was delayed for 3 to 4 weeks this year resulting in above average streamflows in June and July ended, seeing a return to average to slightly below average streamflows throughout the South Platte River Basin during the month of August. The flows at the Kersey gage downstream of the City of Greeley, experienced average daily flows for the month of August of approximately 359 cfs, 71% of the historic mean value of 505 cfs. The daily flows at the Julesburg gage for the month of August were slightly above average resulting in average flow of 192 cfs, 105% of the historic mean monthly value of 187 cfs. Flows in several tributaries in higher elevations quickly transitioned from above average to below average streamflows during the month of August.

The Calls on the South Platte River were indicative of the end of runoff from snowmelt transitioning to average to below average streamflows. The end of July into the beginning portion of August experienced calls on the lower end of the basin below Greeley controlled by calls bouncing between an 1885 and 1902 priority on the lower end of the river, including a Compact Call with a priority of 6/14/1897 continuing until August 5th. Intermittent rains throughout the lower portion of the basin during early to mid-August resulted in the calls going more junior on the lower end of the river, with the Compact Call being removed on August 5th for the remainder of the month. With runoff ending and streamflows returning to average, calls below Chatfield controlled the upper portion of the basin varying from an 1885 to 1909 Burlington Call administered at the Western Ditch diversion through mid-August and fairly junior calls varying from 1972 to 1995 recharge rights on the lower end of the South Platte River. The last third of August continued with fairly senior calls on the upper portion of the South Platte River primarily administered at the Western Ditch diversion varying from 1881 to an 1871 priority, with the lower portion of the river at the Sterling No. 1 Ditch diversion call priority of 1888.

The delayed runoff and cooler weather during the months of June and July resulted in most reservoirs throughout the basin being full to near full at the start of August. With dropping streamflows and increasing demands during the month of August, reservoir releases increased throughout the month. However, reservoir storage levels throughout the South Platte River mainstem ended the month of August above the average at the 6 SWSI Representative Reservoirs at 587,630 acre-feet volume, which is 114% of the long term average of 514,449 acre-feet. Additionally, 32 indexed reservoirs throughout Division 1 basin at 134% of the long term average (1981 - 2010) with a storage volume of 889,852 acre-feet at the end of August, representing approximately 78% of full capacity. This is ahead of the long term average of 59% for the end of August storage in the 32 indexed reservoirs throughout Division 1.

The temperature and precipitation outlook into September, October, and November 2019, prepared by the National Weather Service, in northeastern Colorado indicates a trend toward slightly above average temperatures and above average precipitation in the South Platte River Basin.





Basinwide Conditions Assessment

The SWSI value for the month was +2.5.

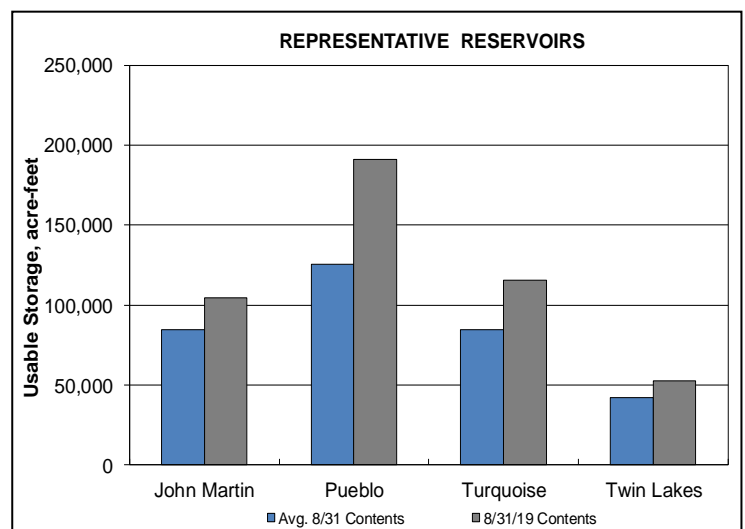
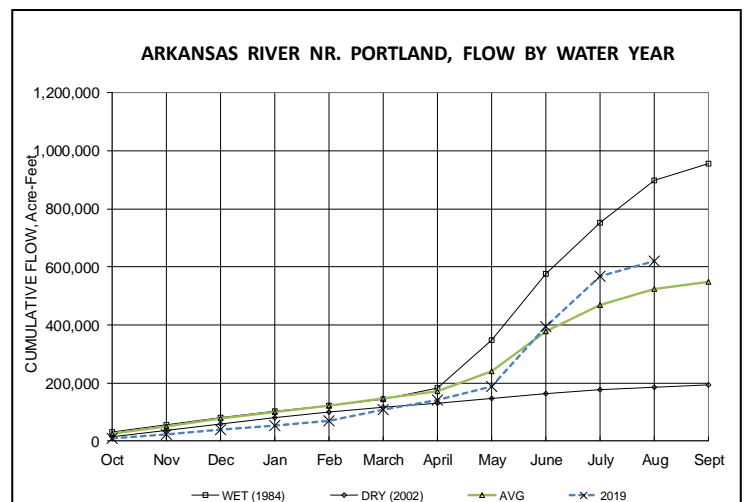
Outlook

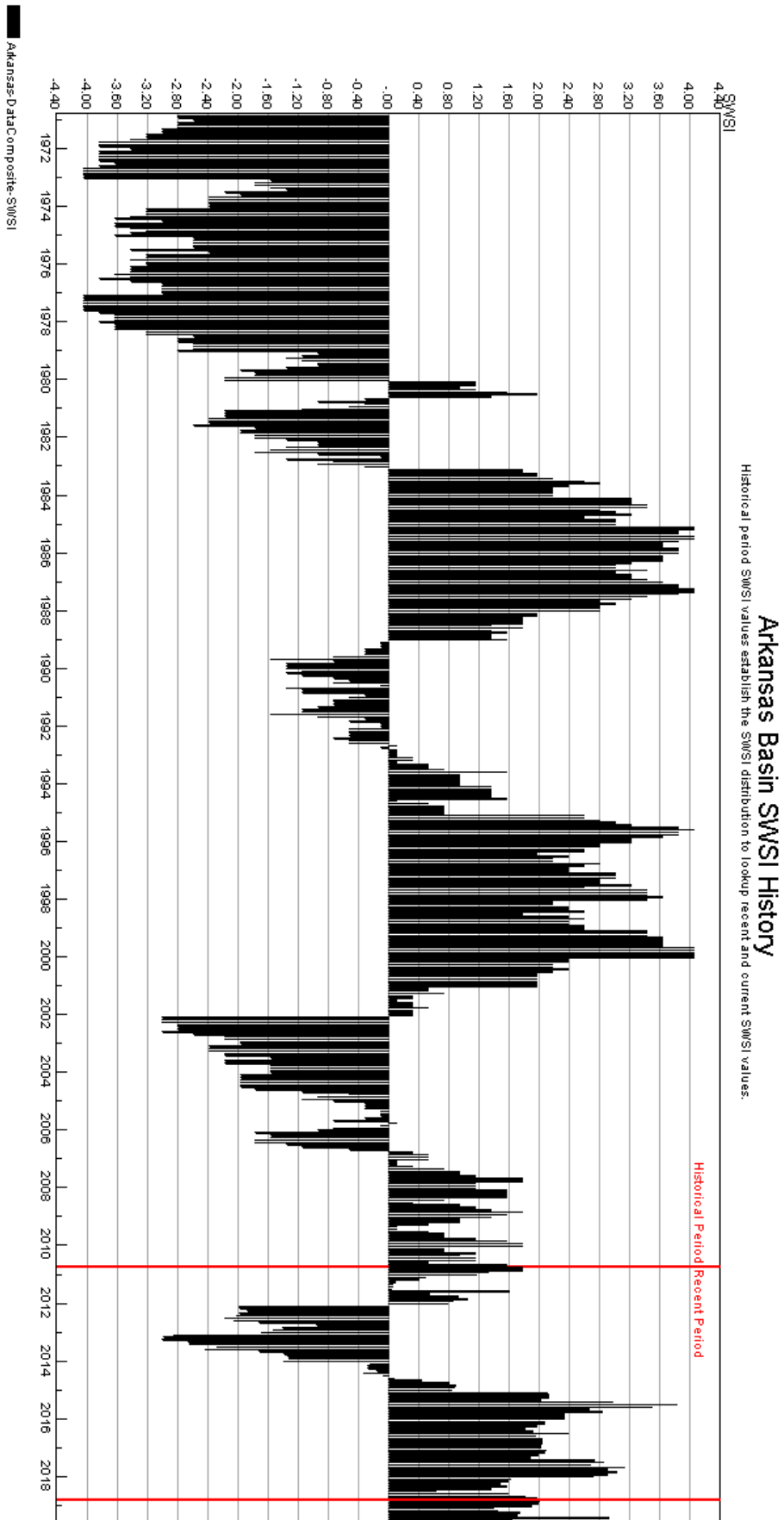
Flow in the Arkansas continued to decline through the month of August after the cessation of the late July-early August monsoonal hydrologic events. However, some relief was found in large flows from the Fountain Creek basin. River calls during August ranged from the Fort Lyon Canal 12/3/1884 pass thru call to the Catlin Canal to the Amity Canal 8/31/1893 pass thru call to the Fort Lyon Canal. This is a significantly different scenario from last year when the conditions were exceptionally dry and the senior call was set at 5/15/1874. There was a short duration precipitation event at the beginning of the month that did not make a significant contribution to the overall flow conditions.

The major Division 2 Transmountain Imports had tapered off by mid-month, but some of the smaller diversions still prevailed through the end of August.

Administrative/Management Concerns

Stored content in Pueblo Reservoir started the month of August off precipitously close to spilling account water with 244,000 ac-ft of the 245,000 ac-ft limit. By the end of August, strategic management, reduced flows from upper basin reservoirs, and irrigation ditches calling for account water, relieved stress on the Pueblo Reservoir accounts to a more manageable content of 217,000 ac-ft.





Basinwide Conditions Assessment

The SWSI value for the month was +3.2.

Flow at the gaging station Rio Grande near Del Norte averaged 1072 cfs (164% of normal). The Rio Grande benefited greatly from a release from Rio Grande Reservoir during August in preparation for the continuation of outlet work repair this Fall. The Conejos River near Mogote had a mean flow of 399 cfs (186% of normal), also bolstered by storage releases from Platoro Reservoir. In general, the upper Rio Grande basin streams had well above average flow through mid-August when streamflow plummeted to below average levels. Sporadic rainstorms provided only temporary increases in runoff.

Precipitation in Alamosa was 0.85 inches, 0.42 inches below normal and a big disappointment as weather forecasts had predicted a robust monsoon. The year to date precipitation in Alamosa is still above normal, but the past three months have been below average. Temperatures in Alamosa during August were slightly above the long-term average.

Outlook

The National Weather Service (NWS) is predicting the potential for better than normal precipitation for September, 2019 through February, 2020 along with warmer than average temperatures.

There has been some positive gain in aquifer storage during 2019 in the San Luis Valley. Another big runoff in 2020 would be an enormous benefit to the basin.

Administrative/Management Concerns

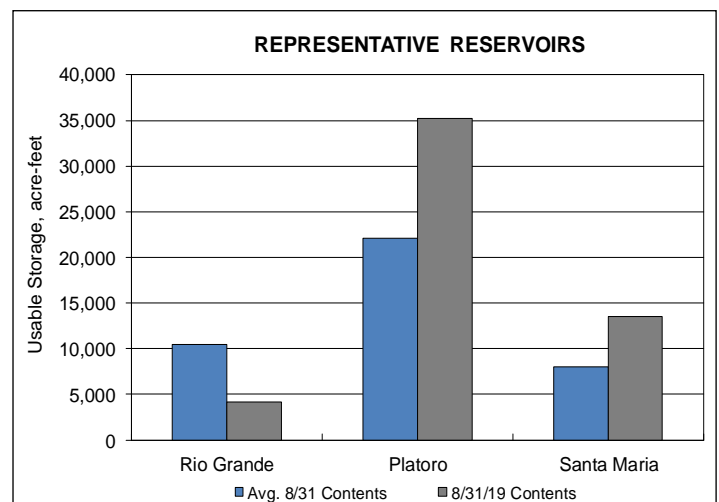
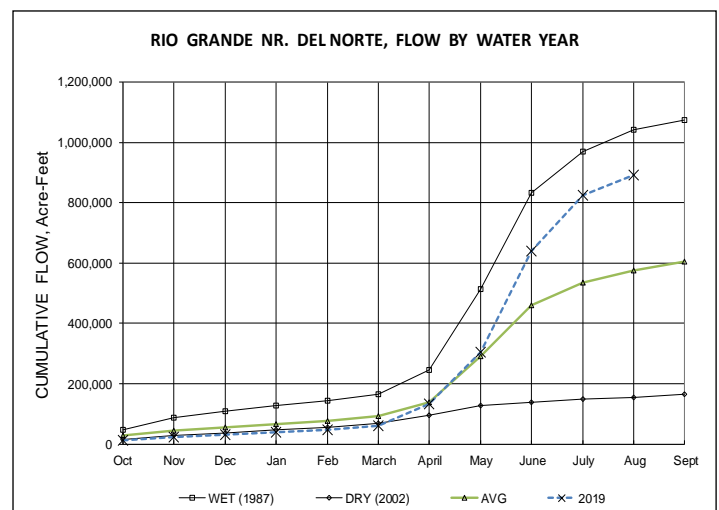
Whether the majority of the snowmelt occurred in May or June this year on a particular drainage, the runoff was remarkably high. However, the drop off to below average streamflow by mid-August on most streams in the upper Rio Grande basin is disconcerting. How could such a huge runoff end up with below average flow now? Rain, and the lack thereof. It reveals how dependent on monsoonal rains this basin is.

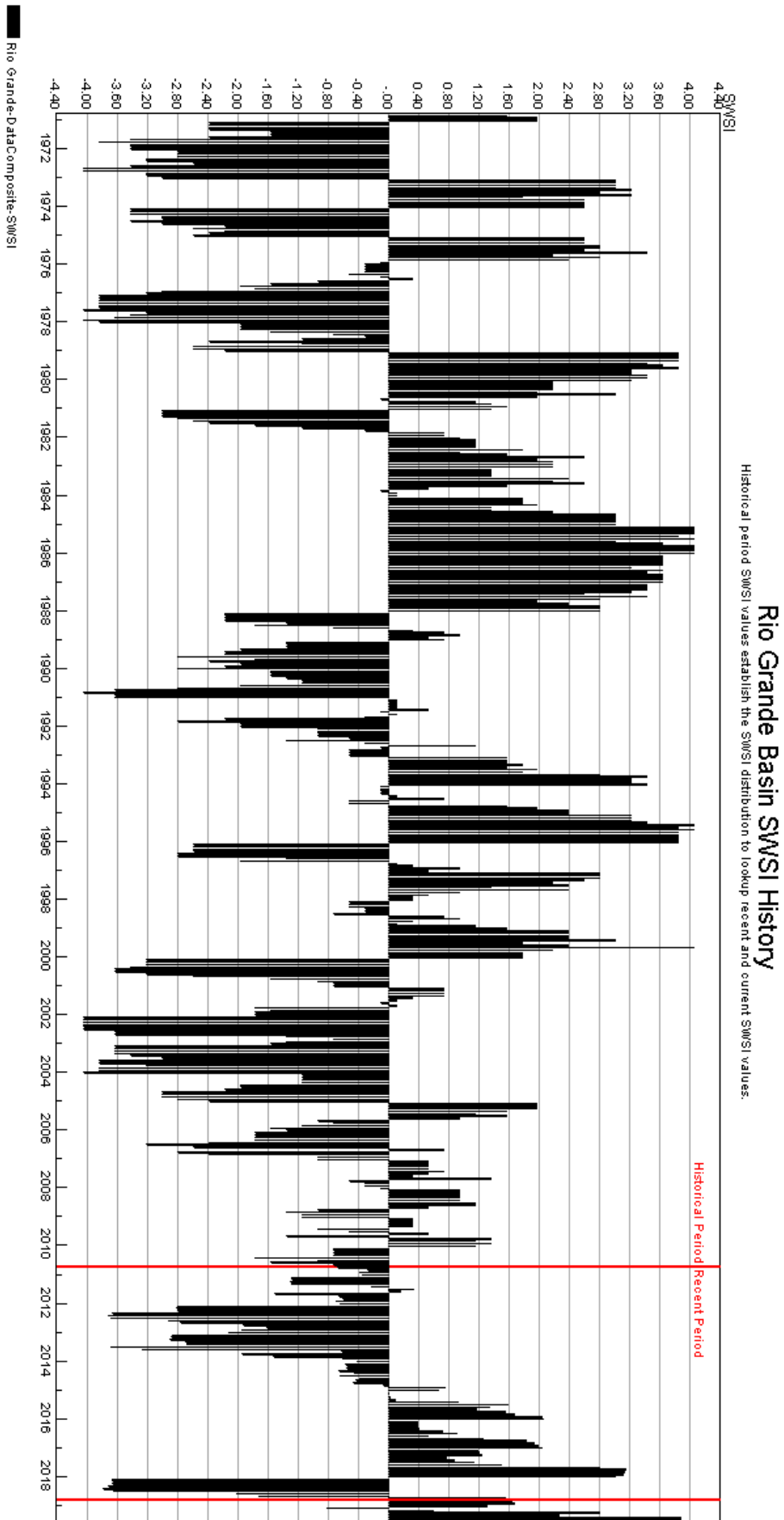
The diminished streamflow allowed the curtailment percentage on both the Conejos and the Rio Grande to be reduced at the beginning of September. This makes a larger portion of the native flow available for diversion by senior appropriators as less water delivery is required to the State line for Rio Grande Compact compliance.

Public Use Impact

Warm temperatures and sunny days helped cropland catch up some after a cool May and sporadic June and July. Crop yields may be down a bit this year.

Rio Grande and Rito Hondo Reservoirs have been nearly drained for dam and outlet work repairs. The plan is to have these reservoirs fully operational for 2020.





Basinwide Conditions Assessment

The SWSI value for the month was +3.8.

Precipitation in August was almost non-existent in most of the Gunnison basin. In fact, the lack of monsoon rains in July and August have some calling it the non-soon. Western portions of the Basin received between 0 and 30% of the average precipitation, while the wettest areas near Blue Mesa Reservoir and the City of Gunnison received 50-70% of the average. Temperatures basin wide were generally 5-7 degrees above average as well.

Outlook

During the next 30 day period the NWS Climate Prediction Center is forecasting equal chances of above or below average precipitation, while during the 90 day period they are forecasting greater than 50% chance of above average precipitation and temperatures.

Administrative/Management Concerns

Gunnison Tunnel demand continued to be met by natural inflow until August 26th. Therefore, as estimated last month, all of Taylor Park Reservoir's first fill account was moved into Blue Mesa Reservoir (105,387 acre-feet) on August 15th. In addition, the cumulative second fill right was almost full at the end of August. Only 50 acre-feet of first fill and 556 acre-feet of second fill were used at the Gunnison Tunnel to fill demand during August.

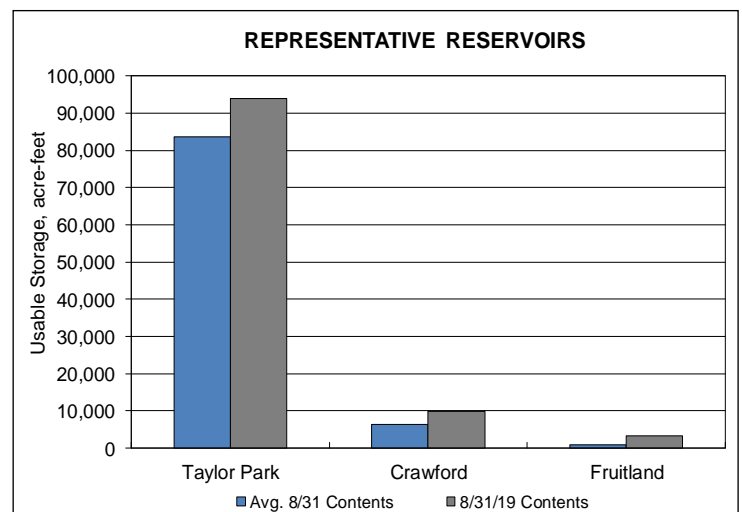
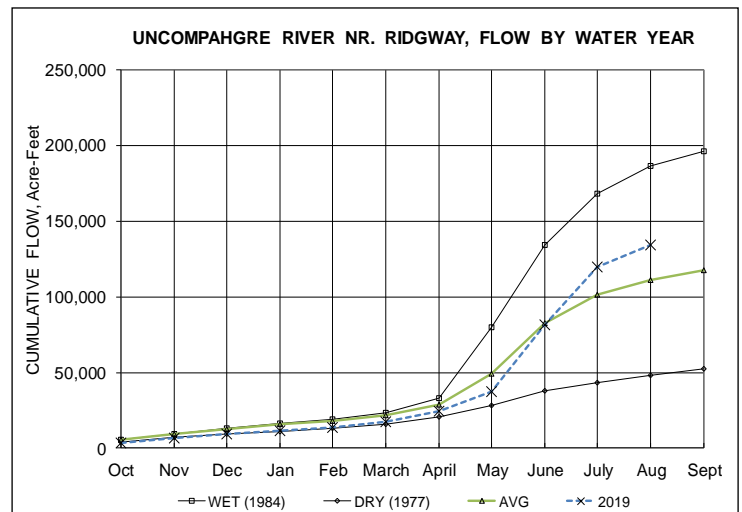
Continued abnormally dry conditions caused many more stream calls to be placed in August. In fact, there are currently 28 calls listed in the CDSS active call database for Water Division 4. Unlike last month, however, calls are now not limited to small tributary streams as they have now been placed on mainstem streams. For instance, a call was placed on the North Fork Gunnison River on August 14th by the Paonia Ditch. Other mainstem Division 4 streams, such as the San Miguel River, appear likely to go on call from the Highline Canal for irrigation during September. In addition, calls from instream flow water rights such as the rights on Dallas Creek and the Slate River now appear likely unless the monsoon arrives and additional precipitation falls. Calls on these streams appeared unlikely in early July as streamflows remained well above average from a great snowpack runoff and a cool June.

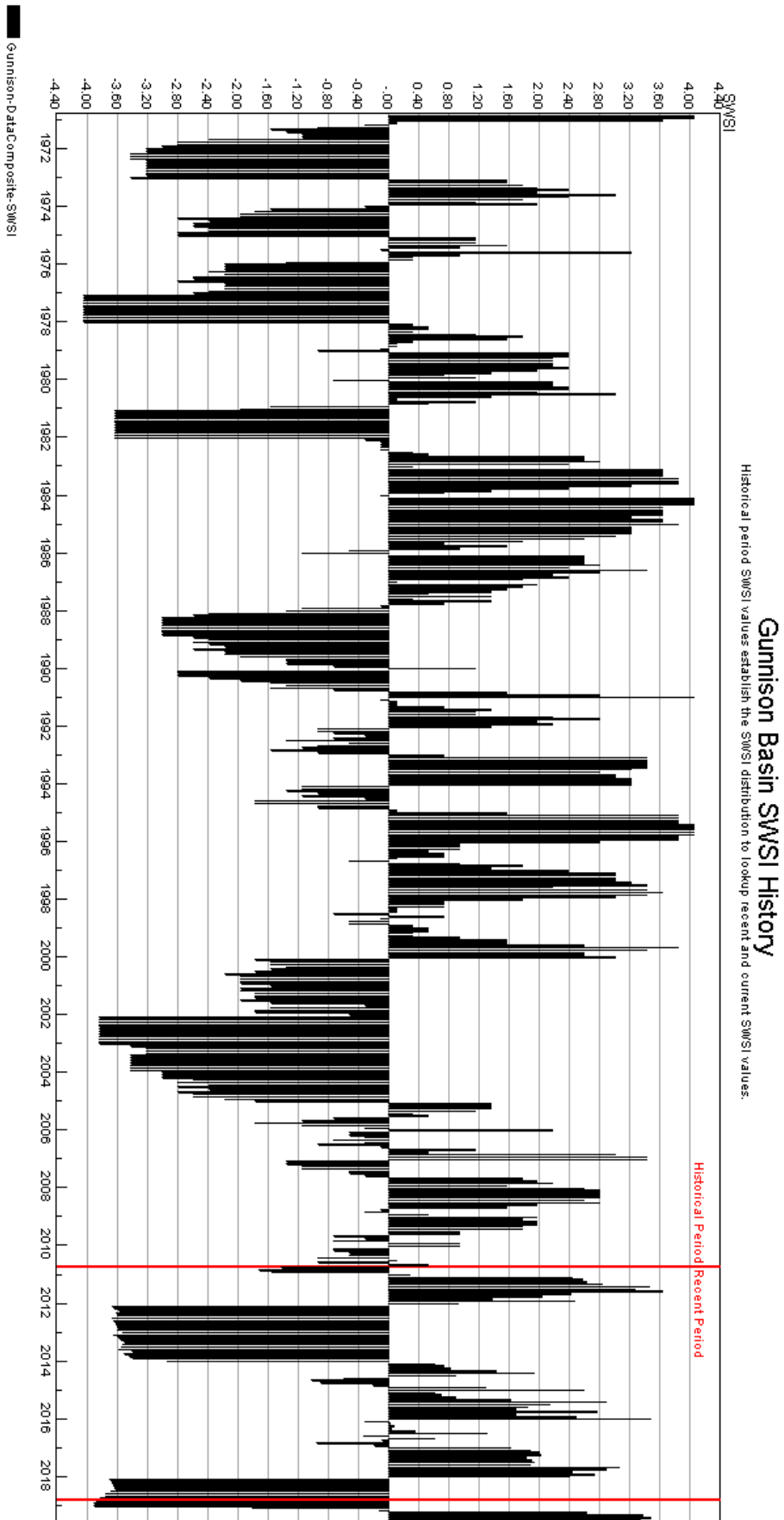
Streamflows during late August in many locations dropped to near or below average values for the date, which was caused by a complete lack of monsoon precipitation. This drying out of the basin could have an effect if the ground freezes prior to snowpack accumulation season as the antecedent soil moisture going into next year may be lower than normal.

Despite the increasing use of storage water during late August and early September it appears that most reservoirs will carryover average to greater than average amounts into the 2020 water year.

Public Use Impacts

Streams dropped from above normal in early August to near or below normal at the end. Greater than average releases from Taylor Park Reservoir, 400 cfs until August 25th, provided ample water below the dam for boaters to enjoy most of the month. Most basin reservoirs, despite the significant use for irrigation during the late month, continued to have more than enough water for flatwater recreation. Reports from the National Park Service on usage at Blue Mesa Reservoir indicate it was a very busy year for boating.





Basinwide Conditions Assessment

The SWSI value for the month was +3.6.

Outlook

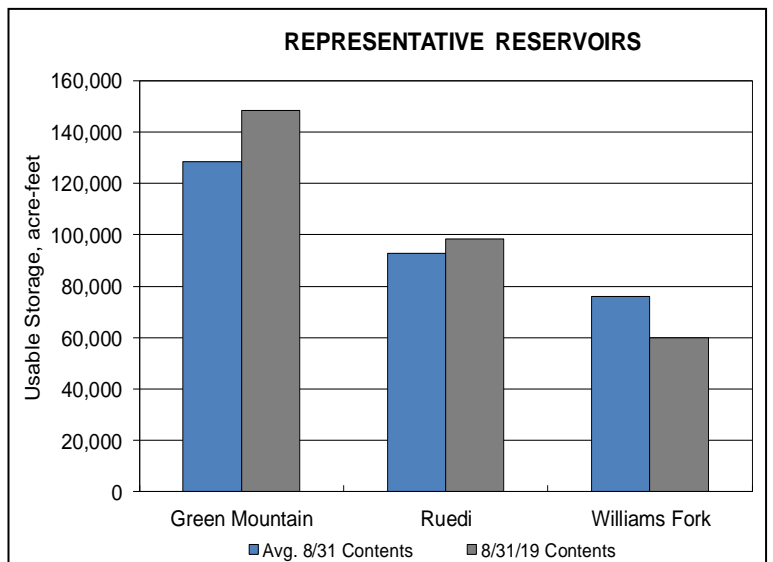
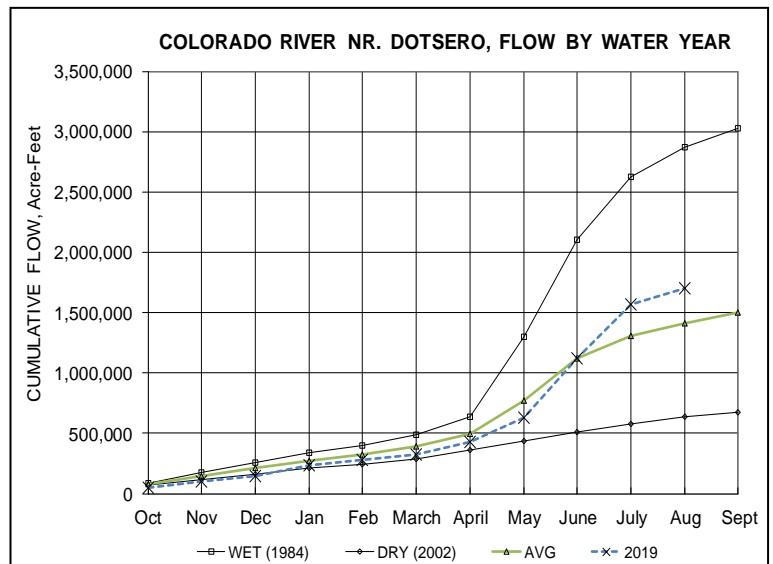
Colorado River flows are running above average and tributary flows are running slightly below average to average. River flows are forecasted to continue at average or below average throughout September. Above average precipitation with above average temperature is forecast for western Colorado through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

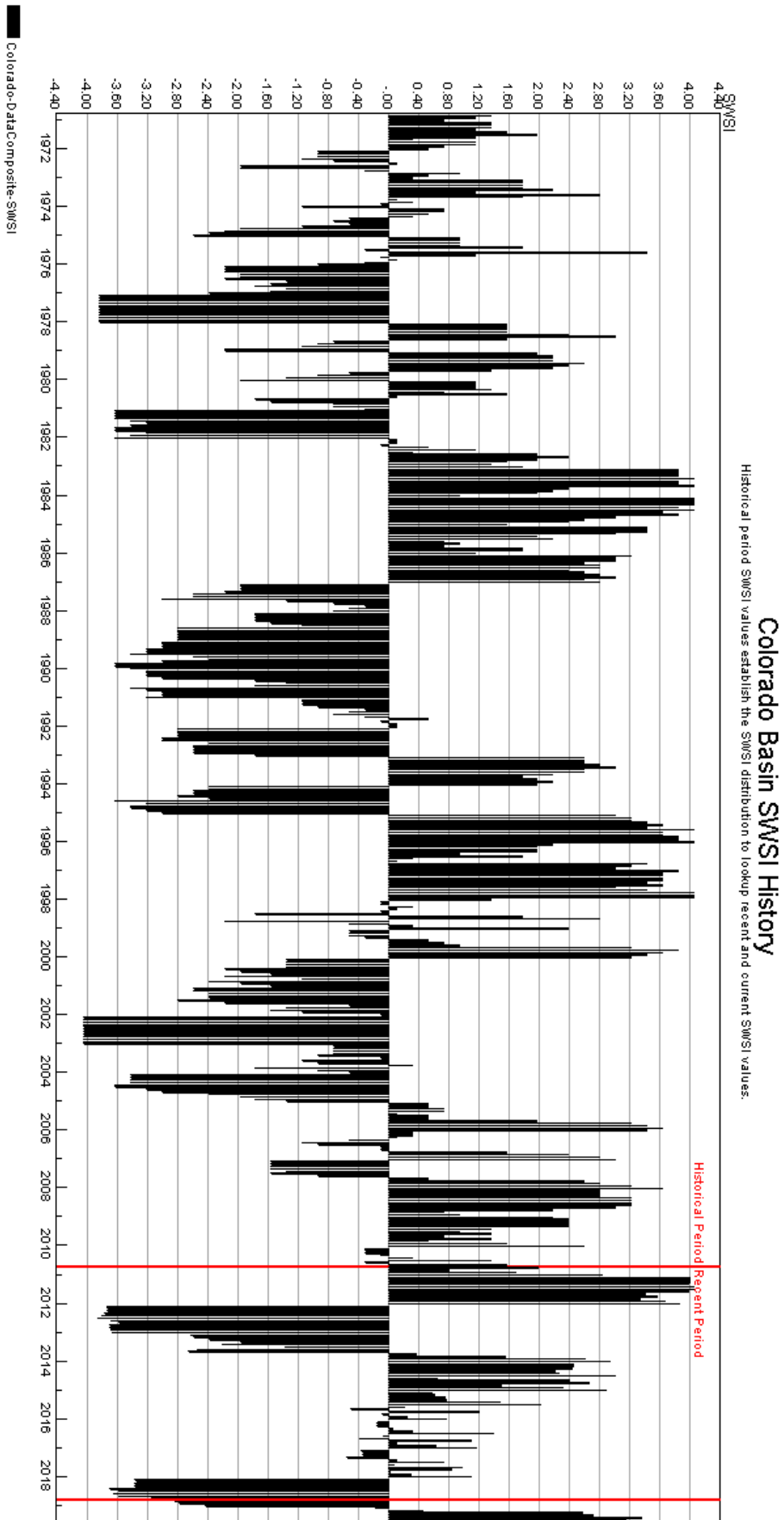
Administrative/Management Concerns

The call on the Colorado River mainstem is the Senior Shoshone (1250 cfs) water right. There is no call from the Grand Valley Irrigators. Grand Valley Irrigation diversions (Government Highline/Orchard Mesa Irrigation, Grand Valley Irrigation canals) continue at or near full capacity. Releases are being made from Granby, Wolford and Ruedi Reservoirs for the 15 mile reach fish recovery program. There is also HUP surplus water being released from Green Mountain in addition to contract water, and HUP water.

Public Use Impacts

The western slope saw its first snow of the year down to about an elevation of 9,000 feet and the growing season is winding down with manageable flows in most streams.





Basinwide Conditions Assessment

The SWSI value for the month was +3.7.

Snowpack: There is no longer any significant snow water equivalent in the basin.

Precipitation: Rainfall has been 40% lower than historic averages (1981- 2010) for the Yampa, White, and North Platte Basins in August. However, the basin's year-to-date precipitation is 114% of the average. August's low rainfall and warm temperatures has caused the runoff to continue to drop.

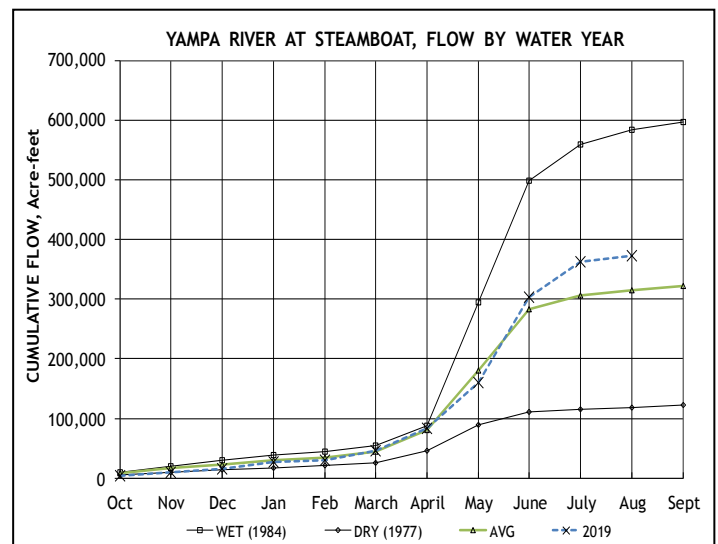
Reservoir Outlook

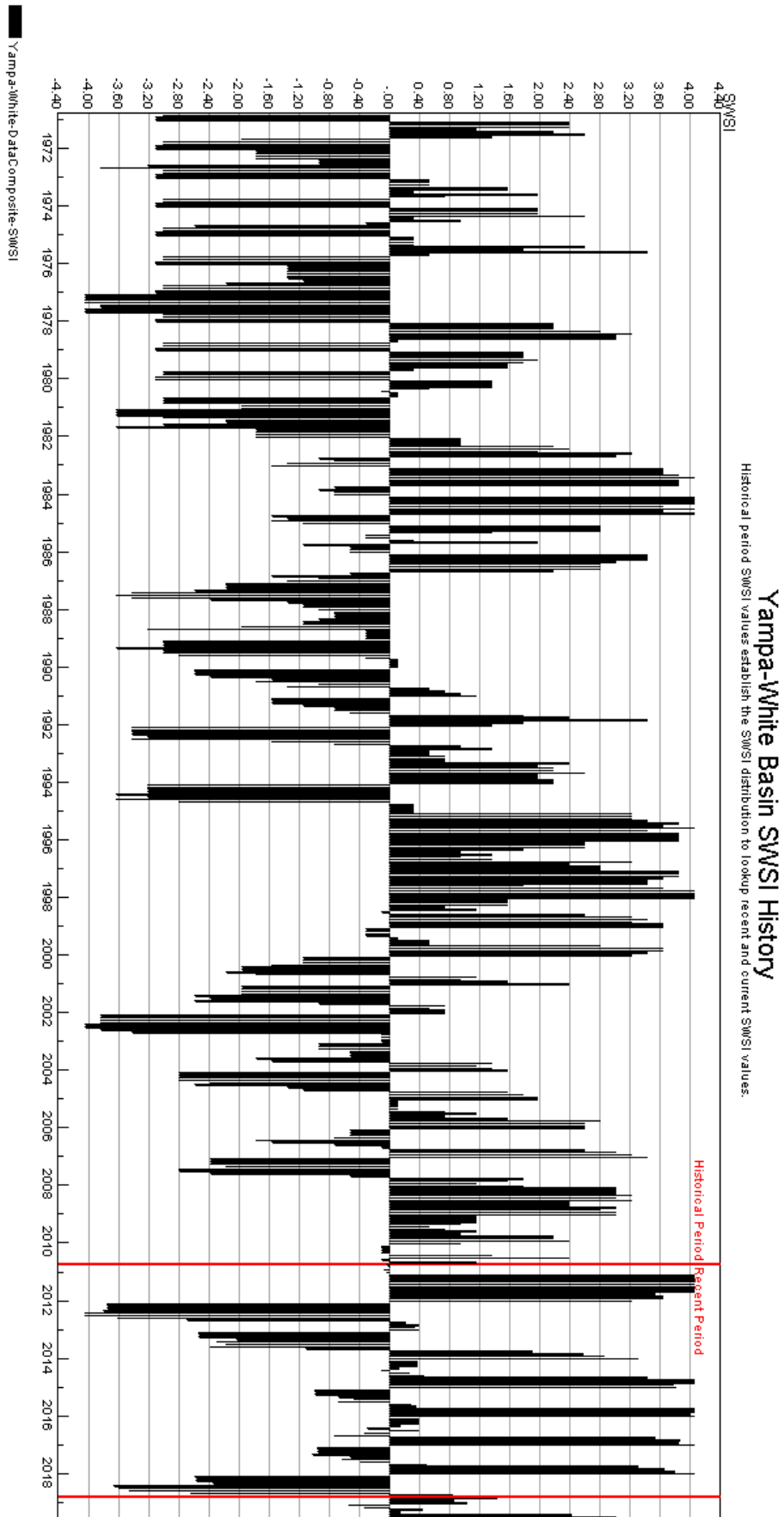
- Elkhead Reservoir - August 30th, 2019 was 79.4' at 24,348 AF - 95%.
- Fish Creek Reservoir - September 1st, 2019 at elevation 9883.18' and 3792 AF - 91.0%
- Stagecoach Reservoir - August 31, 2019 at elevation 7,204' and 36,439 AF - 100%
- Yamcolo Reservoir - August 31st, 2019 was 74.57' and 9,203 AF - 96%.

In general, water stored in Fish Creek Reservoir is for municipal purposes, in Yamcolo for irrigation purposes, Elkhead Creek for municipal, industrial, recreation, and fish recovery purposes. Stagecoach for recreation, but has a significant amount of stored water allocated for agriculture, municipal, industrial, and augmentation uses.

Public Use Impacts

Runoff has dropped rapidly following the high flows of a wet winter. The Yampa River was closed to tubing, fishing, and commercial rafting from 8/27/19 - 8/29/19 as flows through town dipped below 80 cfs. The primary use of water is for the production of grass hay. Most farmers turned off their headgates, throughout the month, to allow their field to dry as they prepared to harvest.





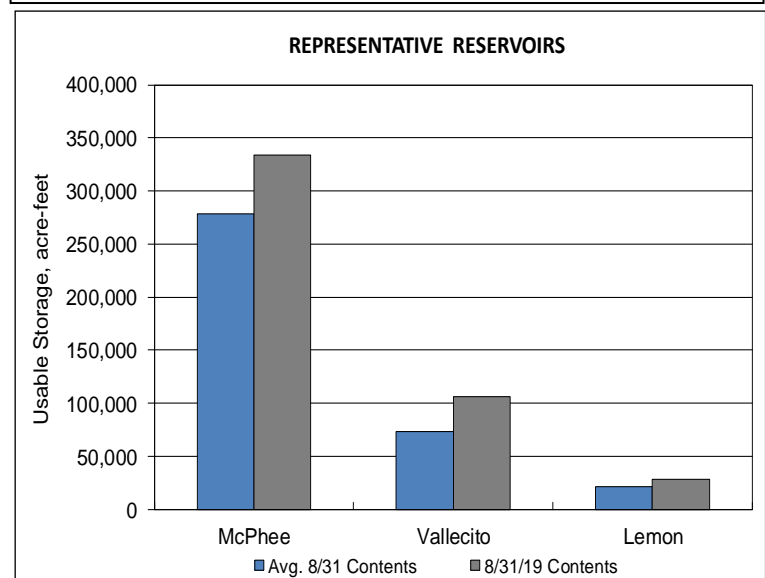
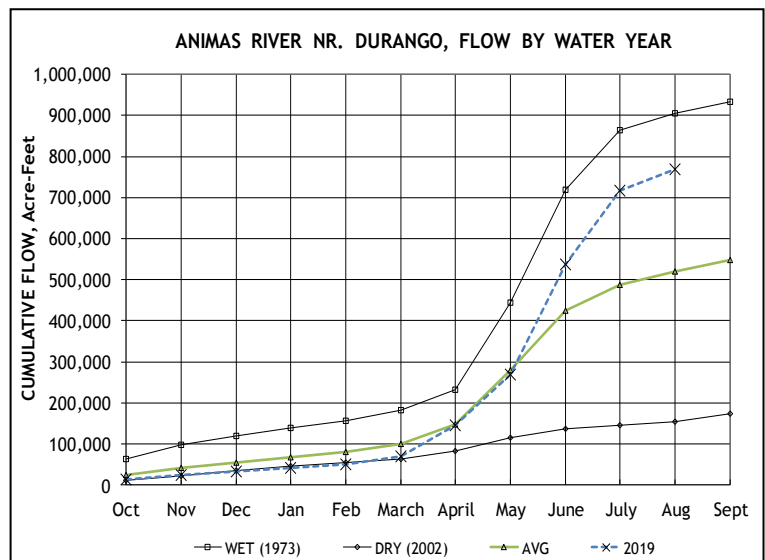
Basinwide Conditions Assessment

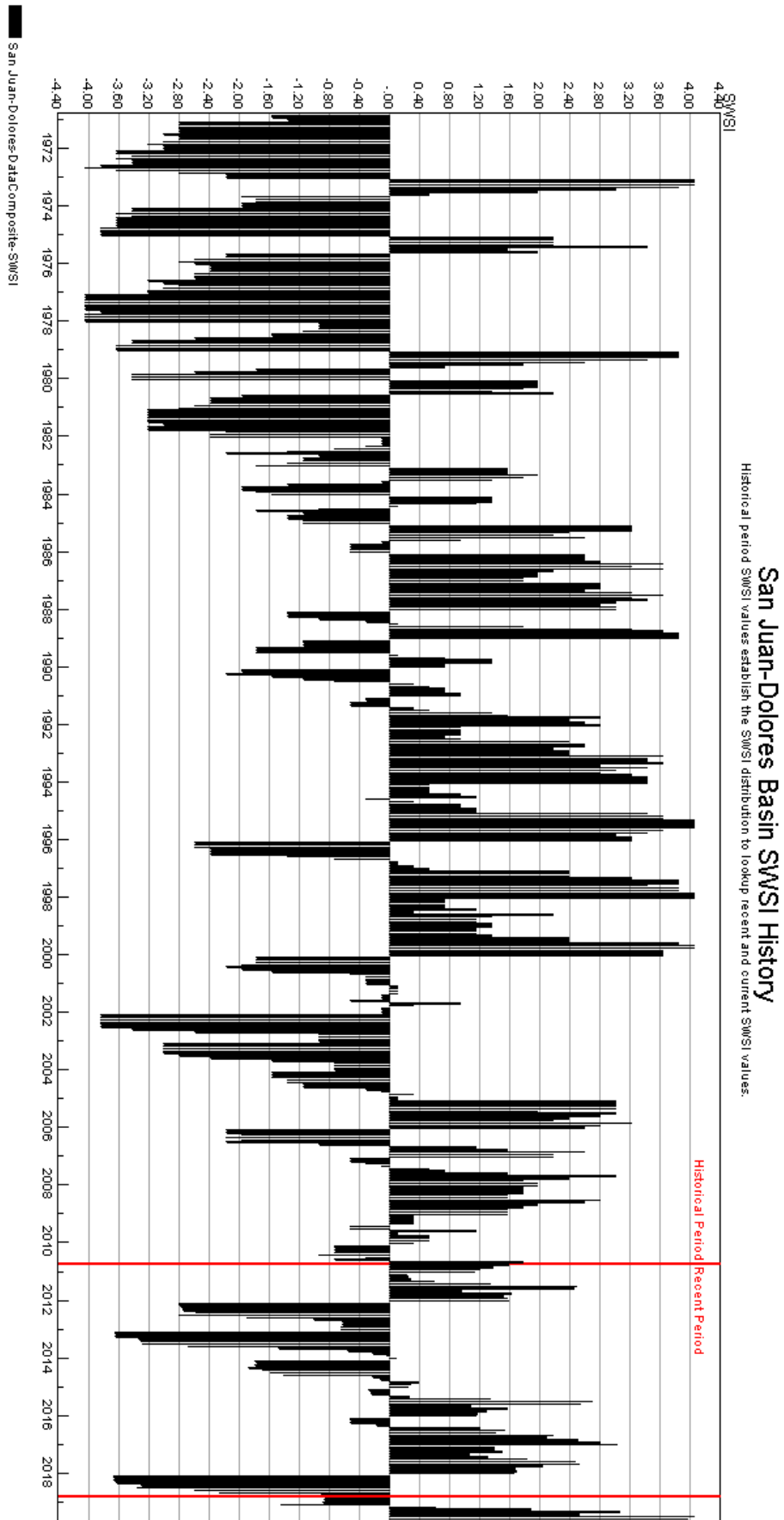
The SWSI value for the month was +4.0.

Flow at the Animas River at Durango averaged 793 cfs (140% of average). The flow at the Dolores River at Dolores averaged 218 cfs (90% of average). The La Plata River at Hesperus averaged 22 cfs (99% of average). Precipitation in Durango was 1.14 inches for the month, 46% of the 30-year average of 2.49 inches. Precipitation to date in Durango, for the water year is 20.82 inches, 120% of the 30-year average of 17.40 inches. End of last month precipitation to date, for the water year was 131% of average. The average high and low temperatures for the month of August in Durango were 90° and 51°. In comparison, the 30-year average high and low for the month is 84° and 52°. This August was the warmest on record out of 124 years of record. At the end of the month Vallecito Reservoir contained 105,736 acre-feet compared to its average content of 70,304 acre-feet (150% of average). McPhee Reservoir was up to 333,510 acre-feet compared to its average content of 282,923 (118% of average), while Lemon Reservoir was up to 28,540 acre-feet as compared to its average content of 21,282 acre-feet (134% of average).

Outlook

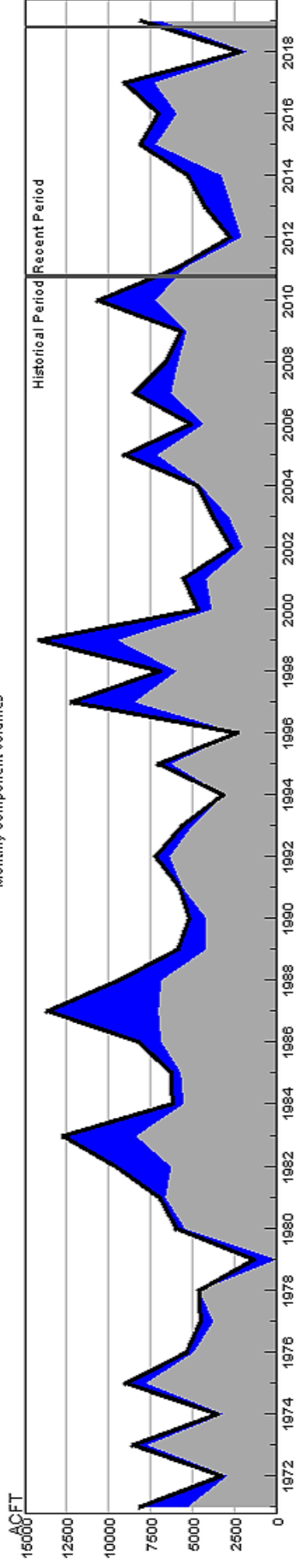
Precipitation (1.14 inches) was below average for August in Durango. There were 97 years out of 124 years of record where there was more precipitation than this year. The monsoon rains usually start in July in Durango, but that is not the case this year. As of the end of August, very little monsoon rain has been recorded in the area. The flows in the rivers within the basin fell to about average for this time of the year. There are 19 out of 108 years of record where the total flow past the Animas River at Durango stream gauge was more than this year. There were 57 out of 109 years of record where the total flow past the Dolores stream gauge was more than this year and 39 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.





HUC 14080107 (Mancos) Surface Water Supply - SEP

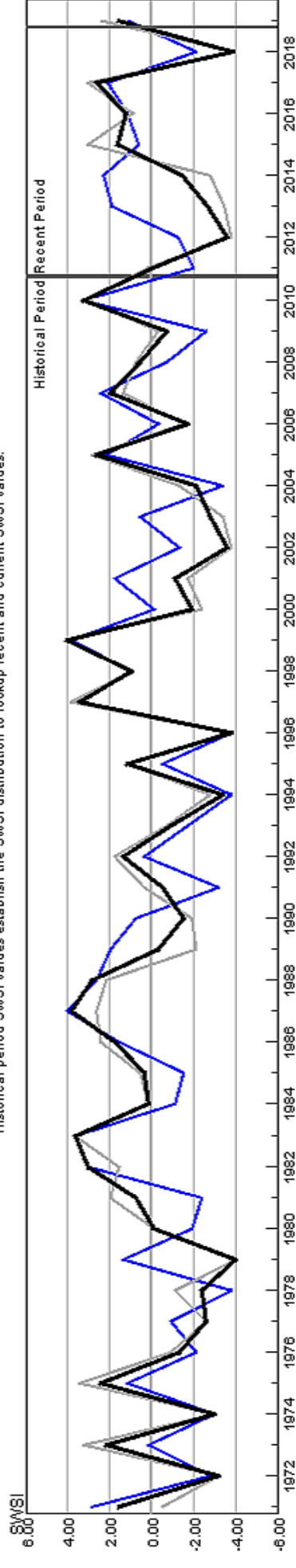
Monthly component volumes



HUC:14080107-SEP-DataComposite
 HUC:14080107-SEP-PrevMoStreamflow
 HUC:14080107-SEP-ForecastdRunoff
 HUC:14080107-SEP-ReservoirStorage

HUC 14080107 (Mancos) SWSI Values - SEP

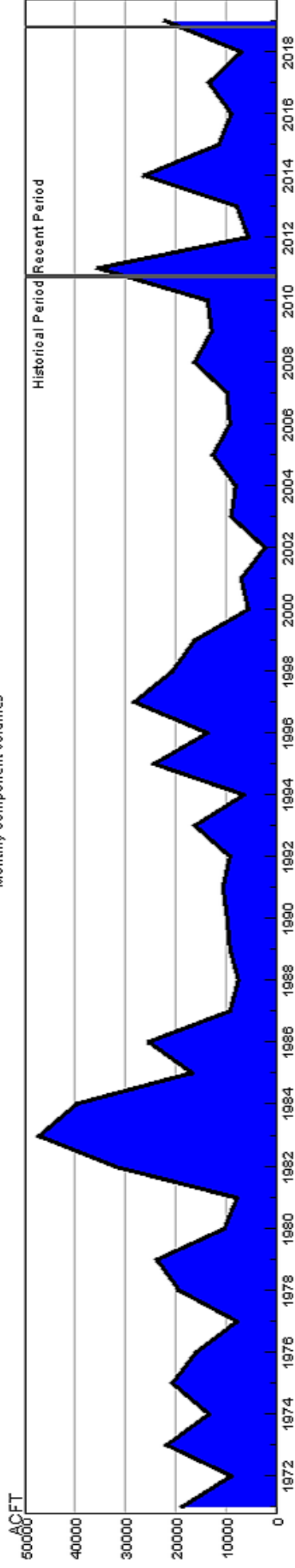
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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 HUC:14080107-SEP-DataComposite-SWSI

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

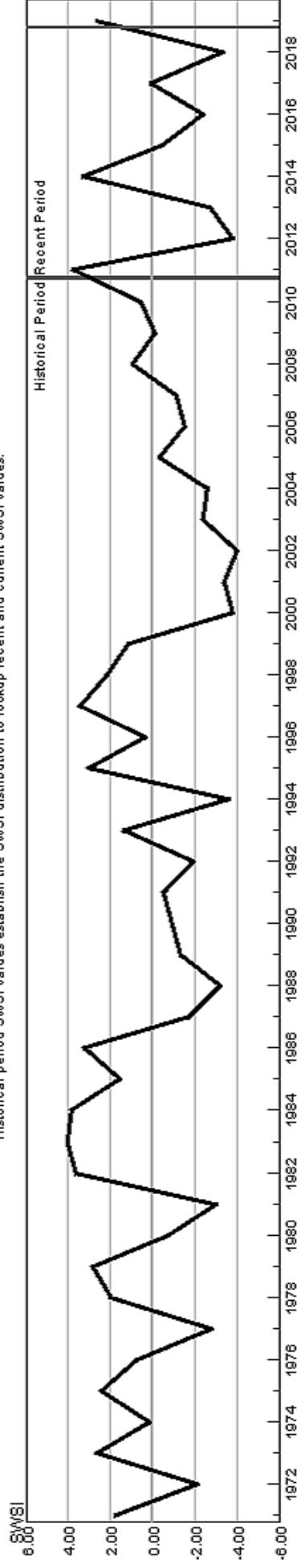
Monthly component volumes



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

HUC 10180001 (North Platte Headwaters) SWSI Values - SEP

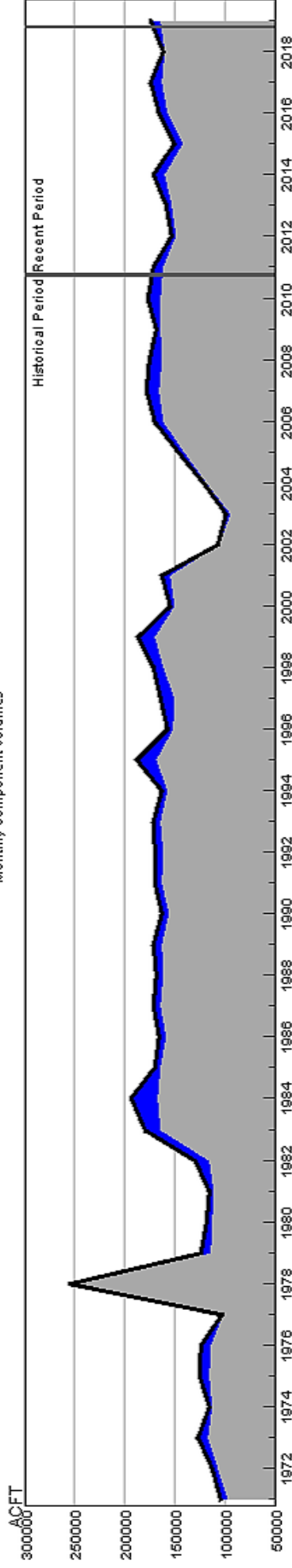
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

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

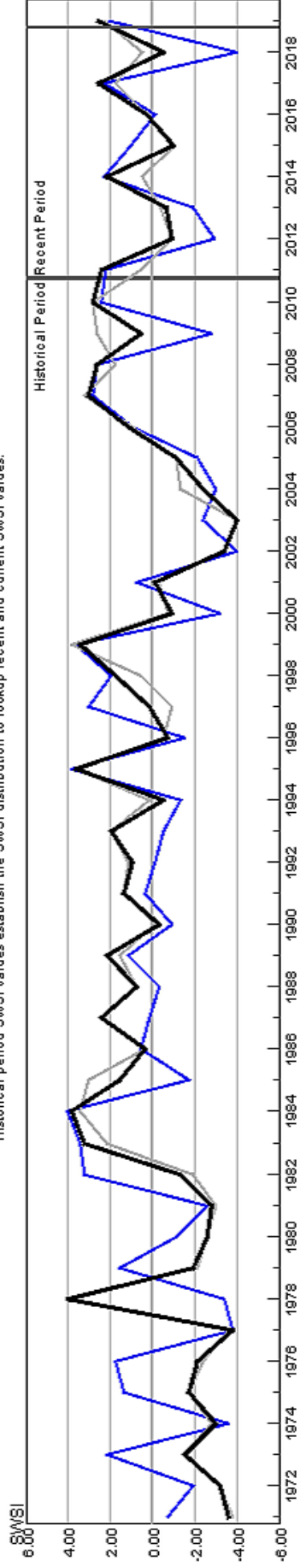
Monthly component volumes



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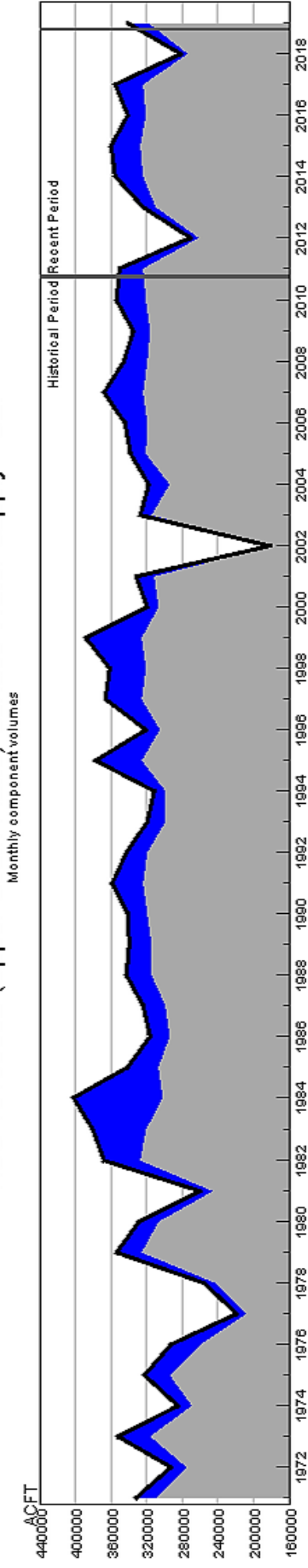
HUC 10190001 (South Platte Headwater) SWSI Values - SEP

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



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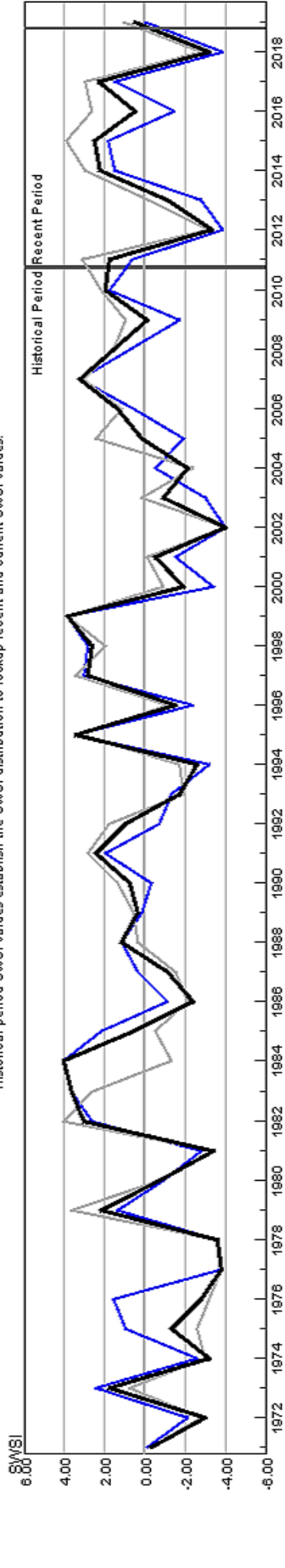
HUC 10190002 (Upper South Platte) Surface Water Supply - SEP



HUC:10190002-SEP-DataComposite
HUC:10190002-SEP-PrevMoStreamflow
HUC:10190002-SEP-ForecastedRunoff
HUC:10190002-SEP-ReservoirStorage

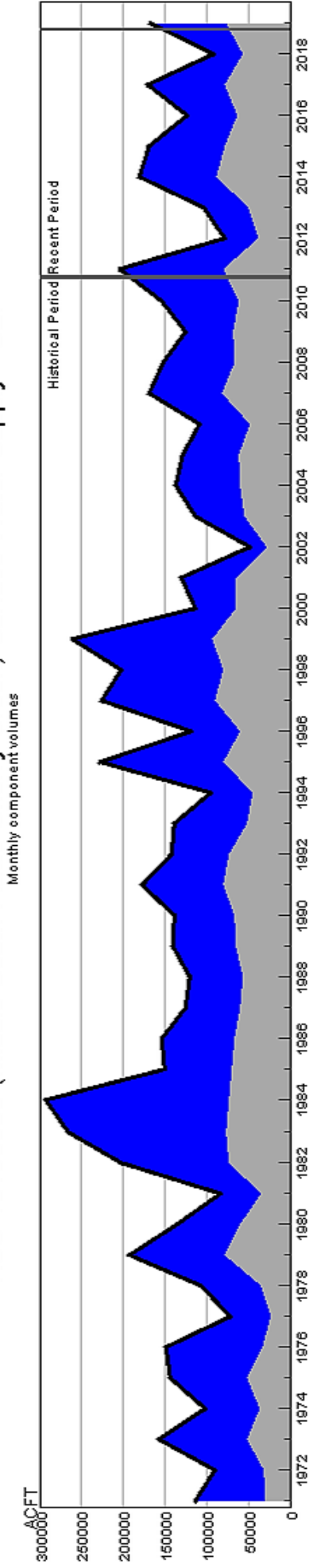
HUC 10190002 (Upper South Platte) SWSI Values - SEP

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
HUC:10190002-SEP-ReservoirStorage-SWSI
HUC:10190002-SEP-DataComposite-SWSI

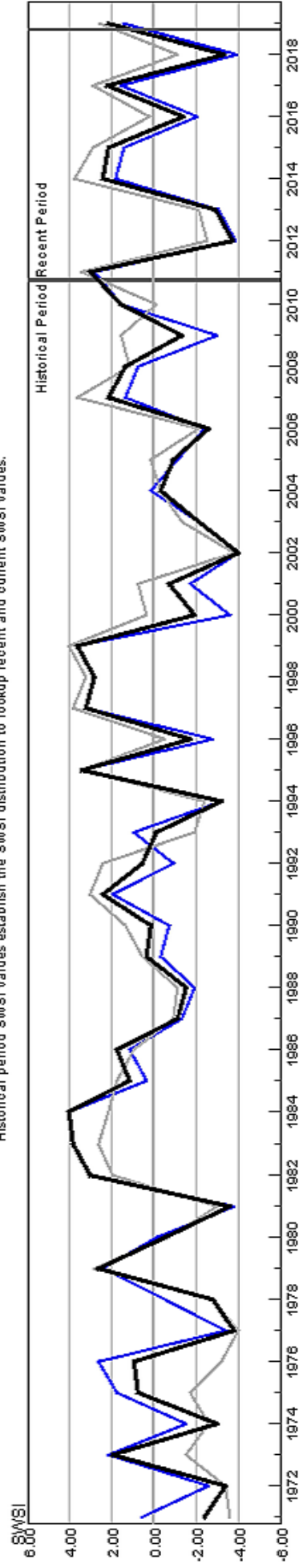
HUC 10190003 (Middle South Platte-Cherry Creek) Surface Water Supply - SEP



HUC:10190003-SEP-DataComposite
HUC:10190003-SEP-PrevMoStreamflow
HUC:10190003-SEP-ForecastedRunoff
HUC:10190003-SEP-ReservoirStorage

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

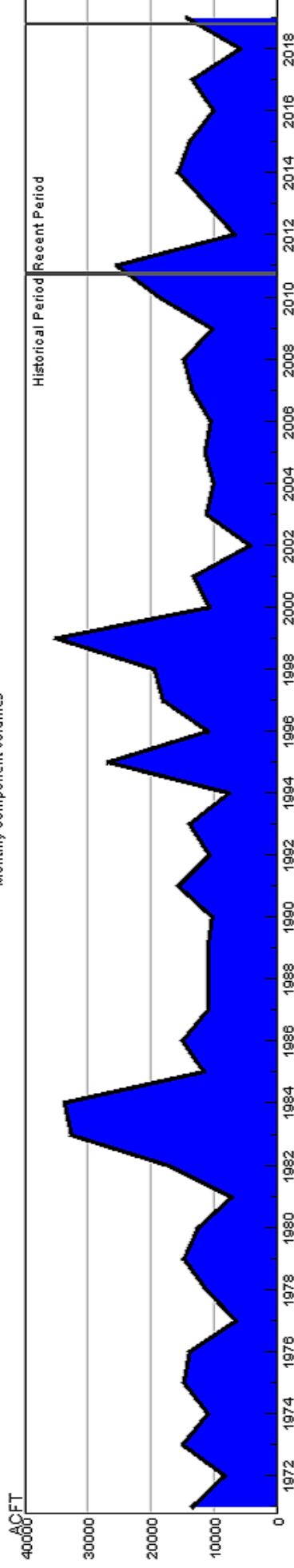
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 10190004 (Clear) Surface Water Supply - SEP

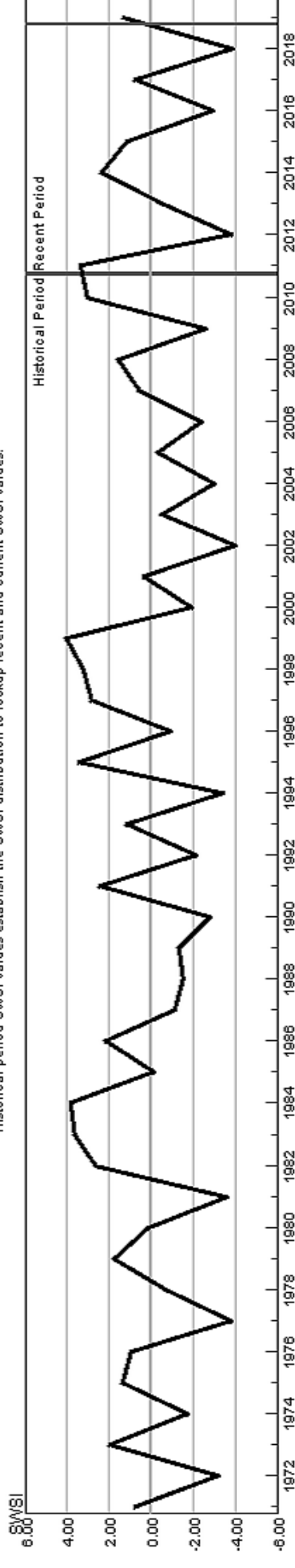
Monthly component volumes



HUC:10190004-SEP-DataComposite
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 HUC:10190004-SEP-ForecastedRunoff-SWSI
 HUC:10190004-SEP-ReservoirStorage

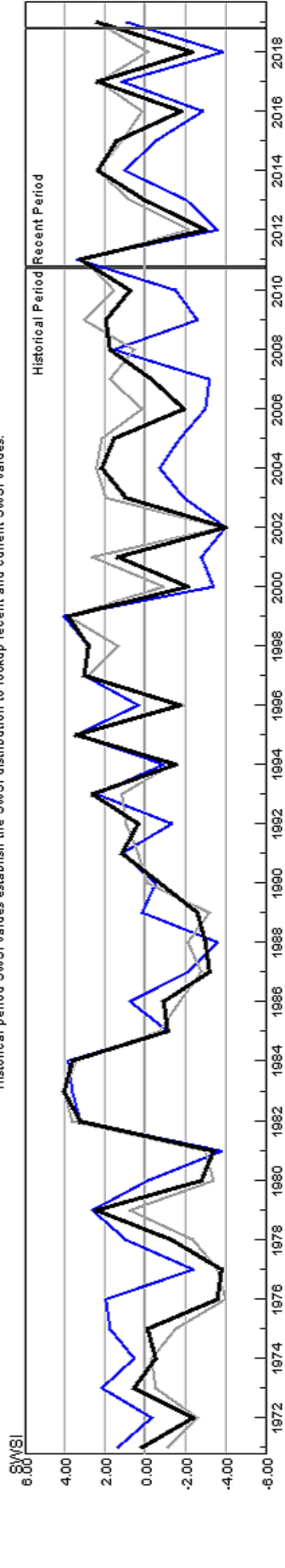
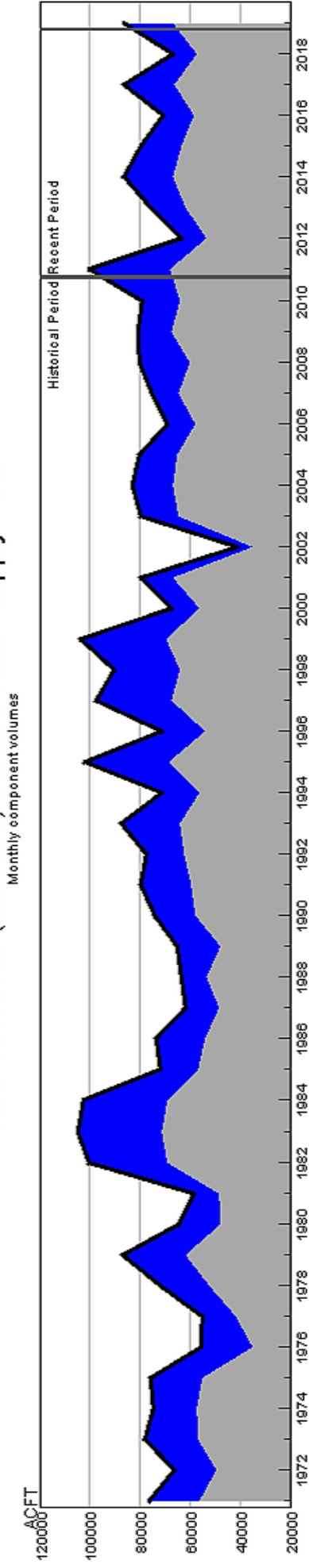
HUC 10190004 (Clear) SWSI Values - SEP

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



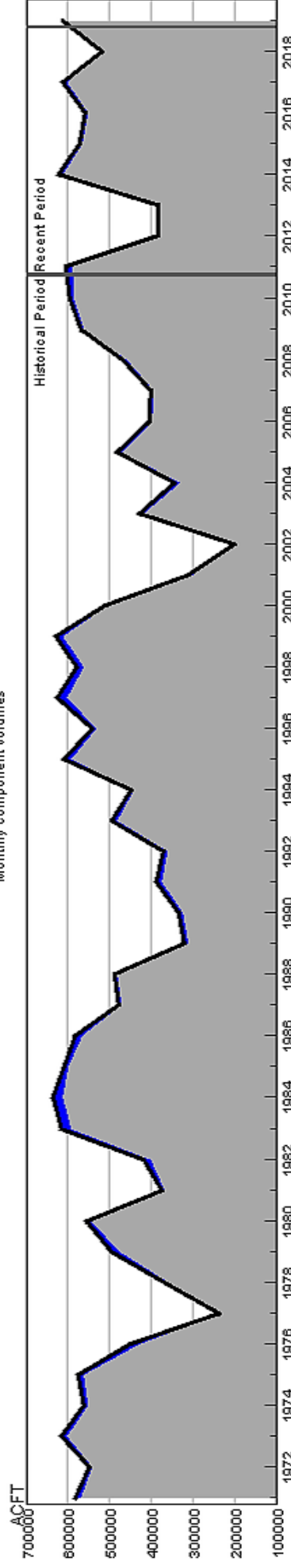
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 HUC:10190004-SEP-ReservoirStorage-SWSI
 HUC:10190004-SEP-DataComposite-SWSI

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



HUC 101900006 (Big Thompson) Surface Water Supply - SEP

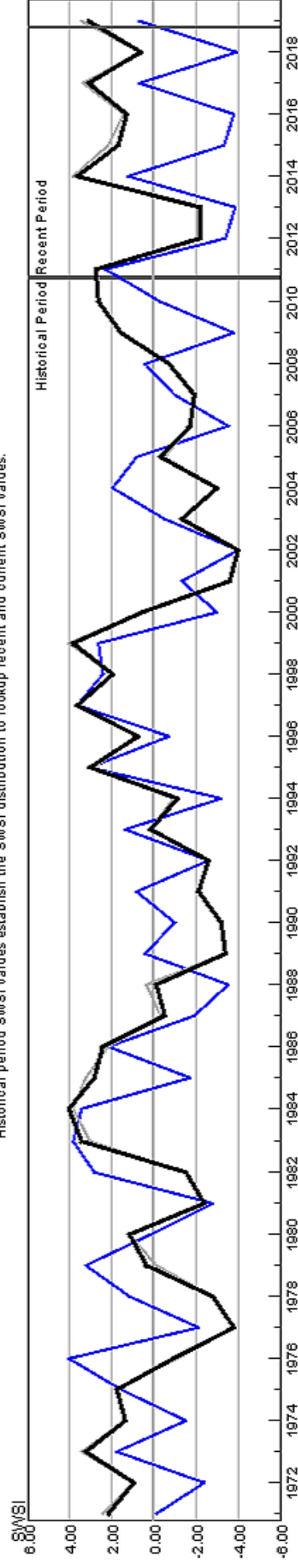
Monthly component volumes



HUC:101900006-SEP-DataComposite
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 HUC:101900006-SEP-ForecastedRunoff-SWSI
 HUC:101900006-SEP-ReservoirStorage

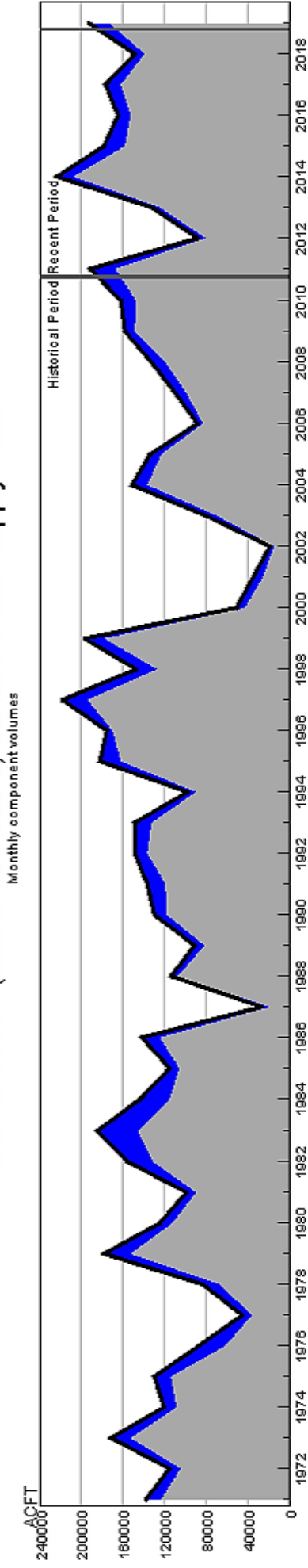
HUC 101900006 (Big Thompson) SWSI Values - SEP

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



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 HUC:101900006-SEP-ReservoirStorage-SWSI
 HUC:101900006-SEP-DataComposite-SWSI

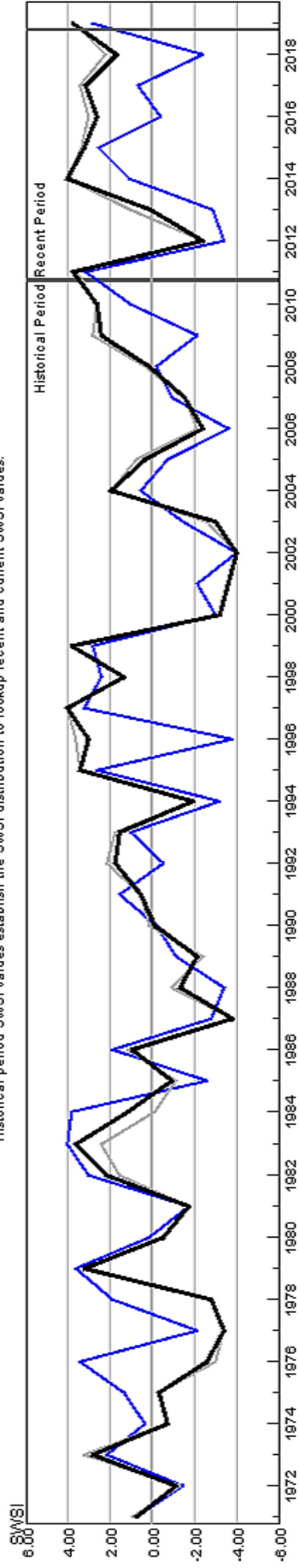
HUC 10190007 (Cache La Poudre) Surface Water Supply - SEP



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HUC:10190007-SEP-ForecastRunoff
HUC:10190007-SEP-ReservoirStorage

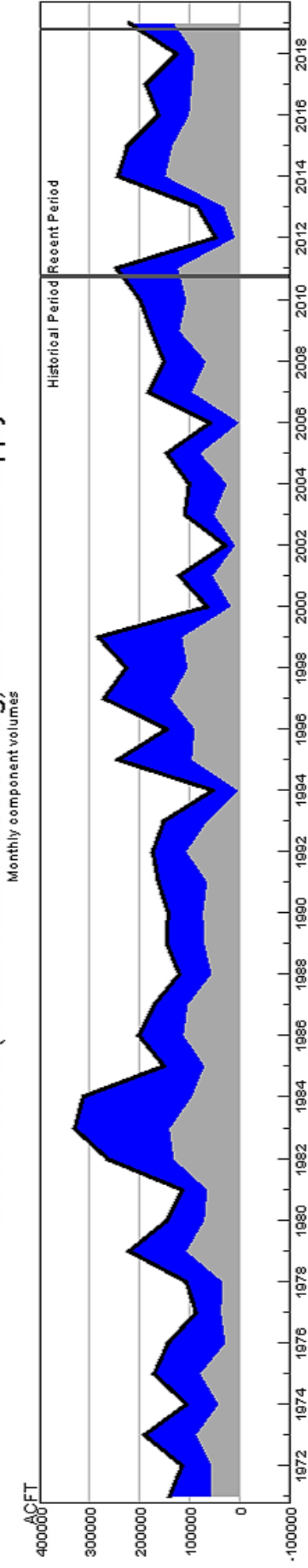
HUC 10190007 (Cache La Poudre) SWSI Values - SEP

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



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HUC:10190007-SEP-DataComposite-SWSI

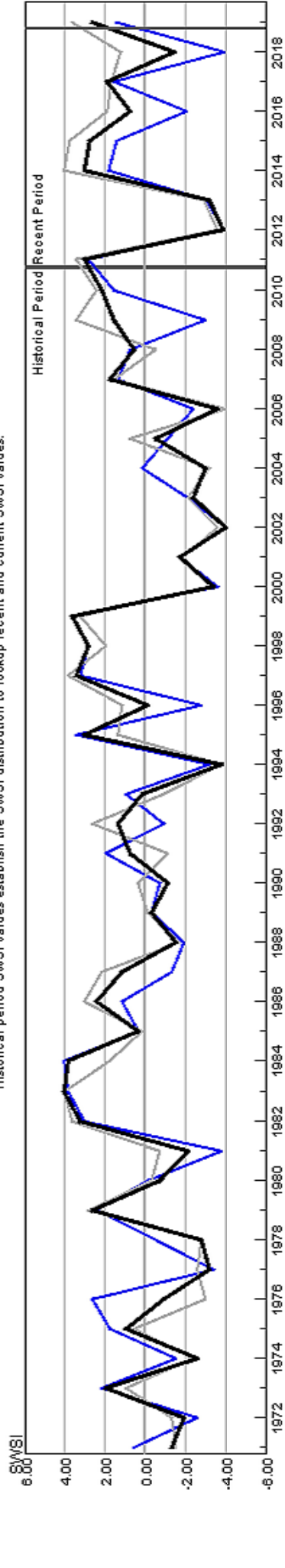
HUC 10190012 (Middle South Platte-Sterling) Surface Water Supply - SEP



HUC:10190012-SEP-DataComposite
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HUC:10190012-SEP-ForecastedRunoff
HUC:10190012-SEP-ReservoirStorage

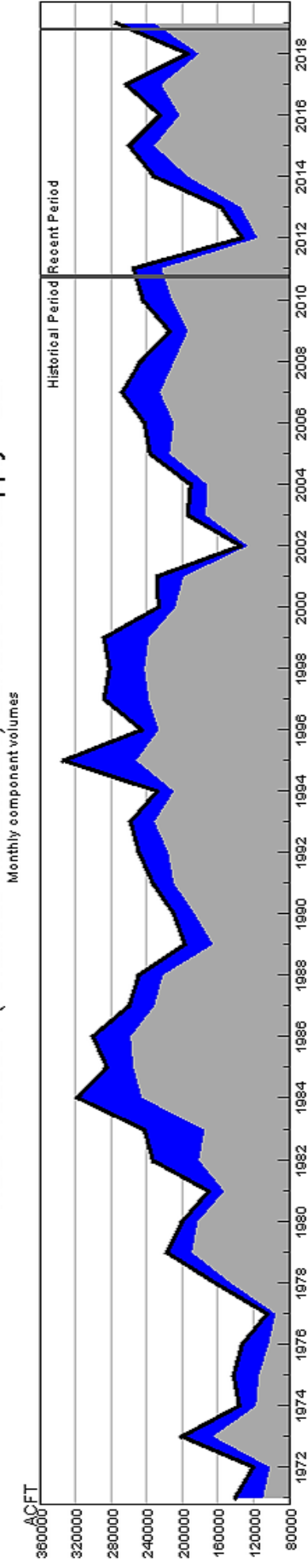
HUC 10190012 (Middle South Platte-Sterling) SWSI Values - SEP

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



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

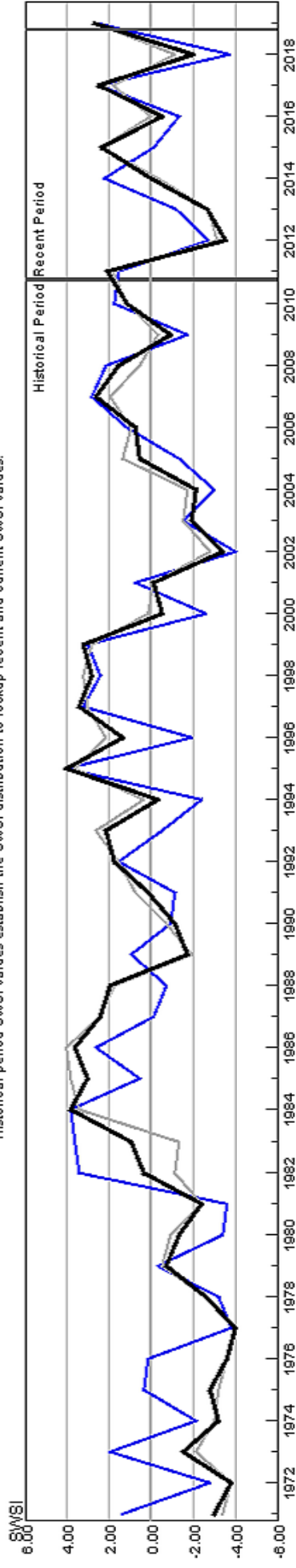
HUC 11020001 (Arkansas Headwaters) Surface Water Supply - SEP



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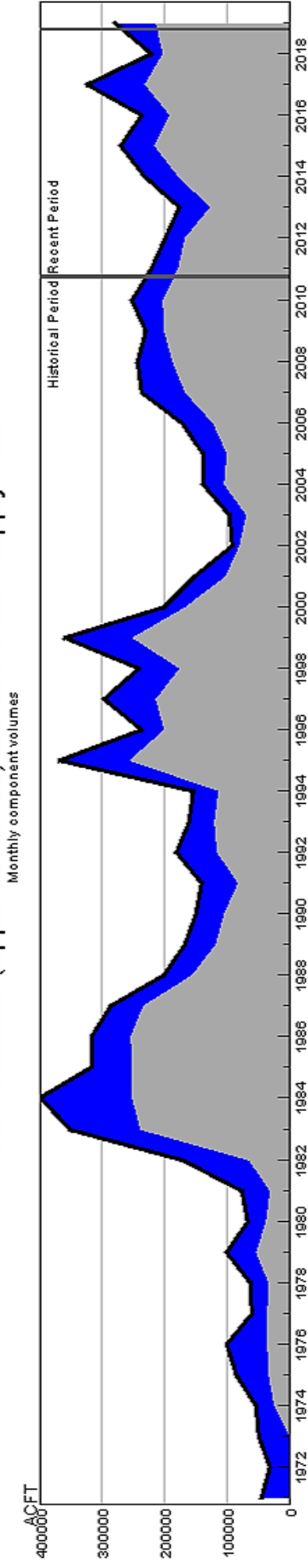
HUC 11020001 (Arkansas Headwaters) SWSI Values - SEP

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



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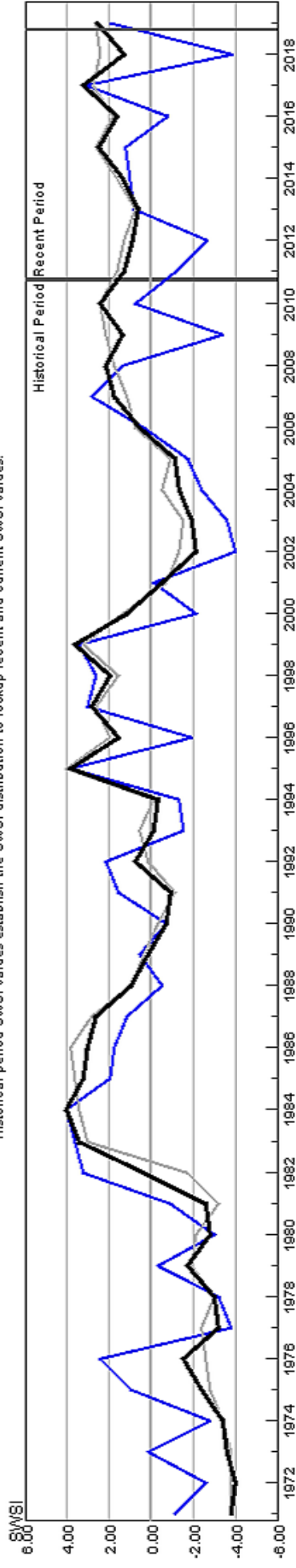
HUC 11020002 (Upper Arkansas) Surface Water Supply - SEP



HUC:11020002-SEP-DataComposite
 HUC:11020002-SEP-PrevMoStreamflow
 HUC:11020002-SEP-ForecastedRunoff-SWSI
 HUC:11020002-SEP-ReservoirStorage

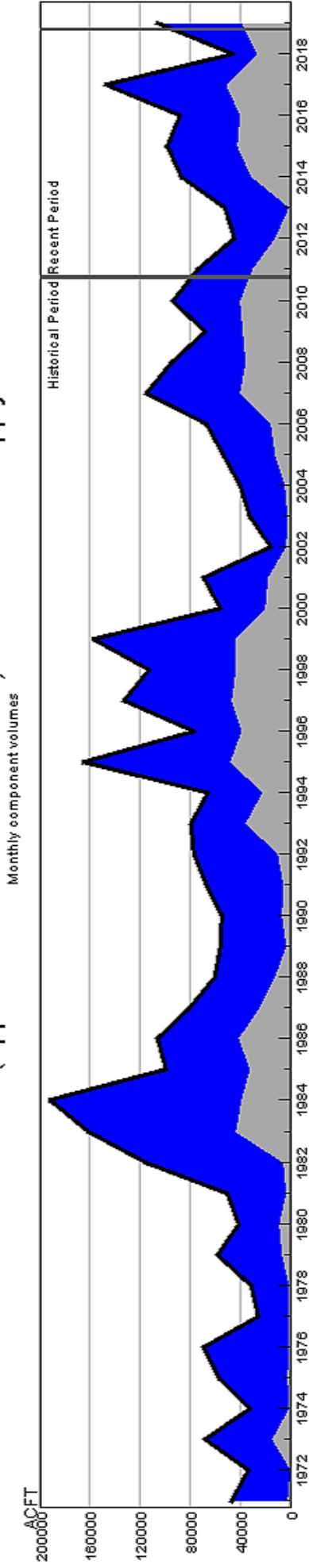
HUC 11020002 (Upper Arkansas) SWSI Values - SEP

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



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 HUC:11020002-SEP-DataComposite-SWSI

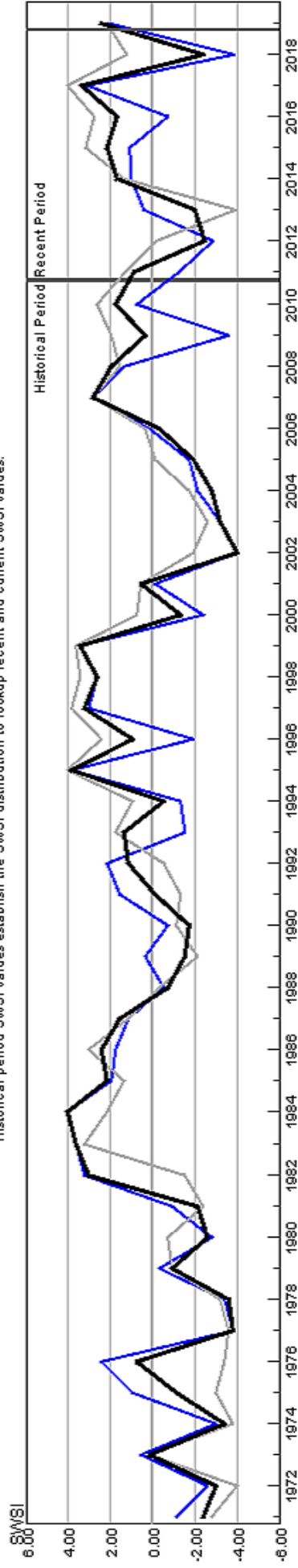
HUC 11020005 (Upper Arkansas-Lake Meredith) Surface Water Supply - SEP



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

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

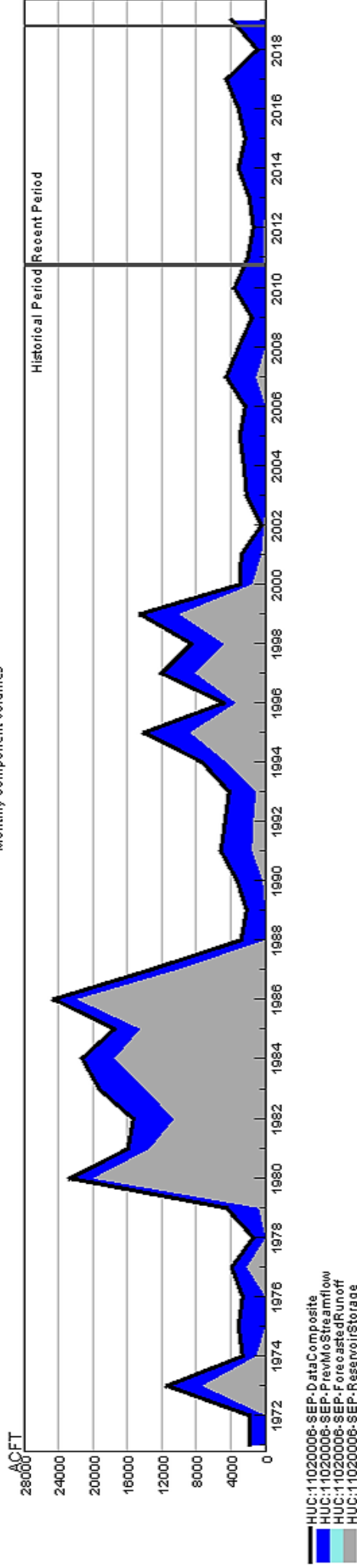
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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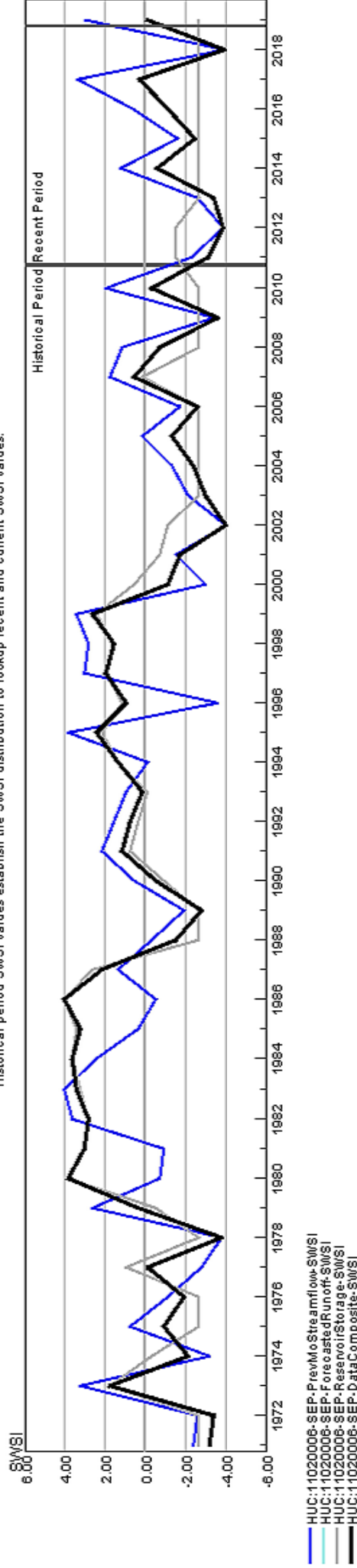
HUC 11020006 (Huerfano) Surface Water Supply - SEP

Monthly component volumes

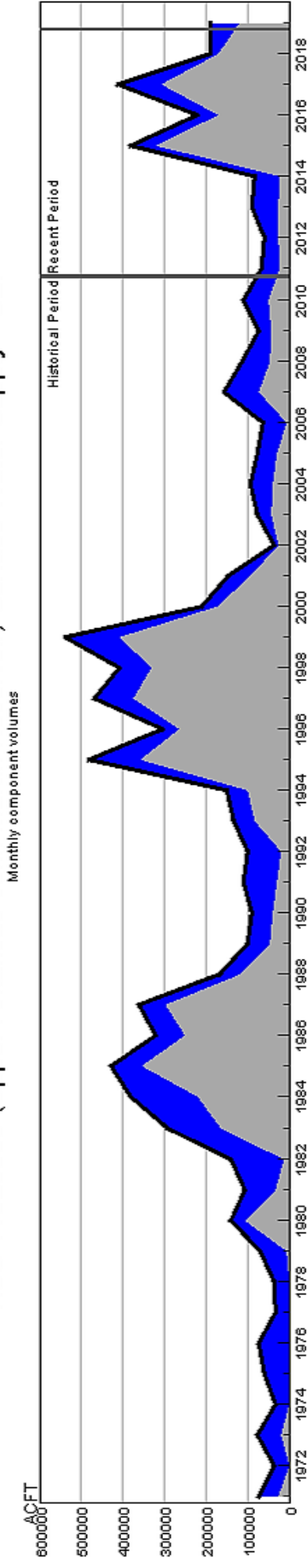


HUC 11020006 (Huerfano) SWSI Values - SEP

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



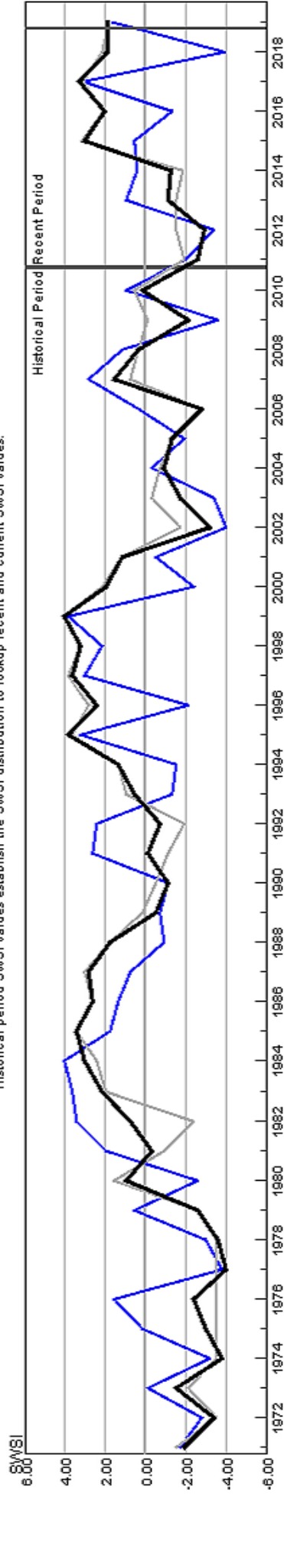
HUC 11020009 (Upper Arkansas-John Martin Reservoir) Surface Water Supply - SEP



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

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

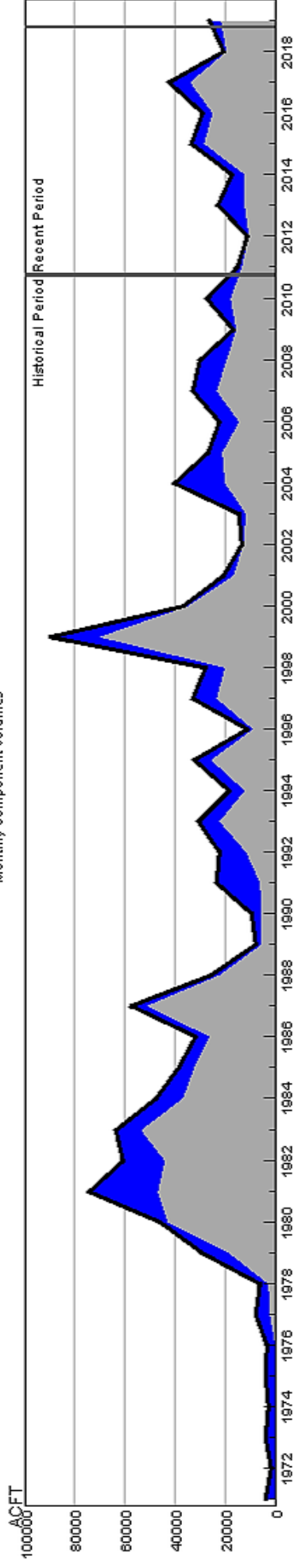
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 11020010 (Purgatoire) Surface Water Supply - SEP

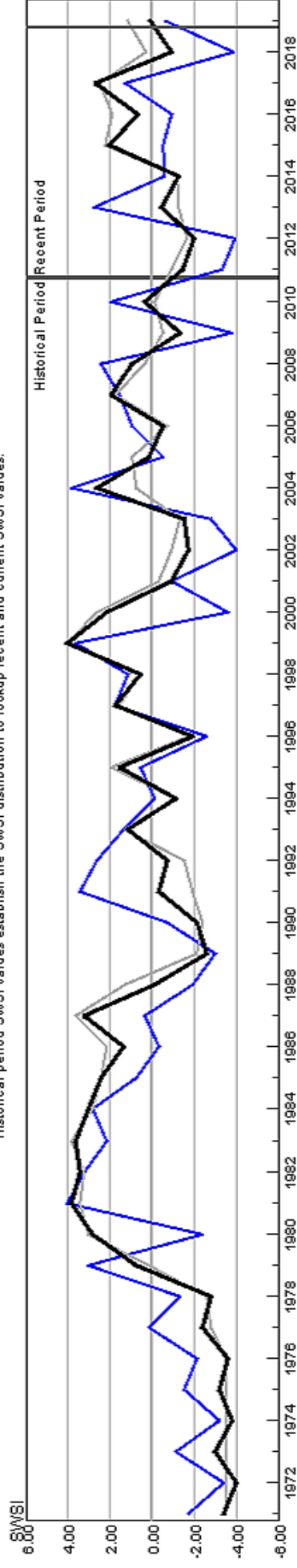
Monthly component volumes



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

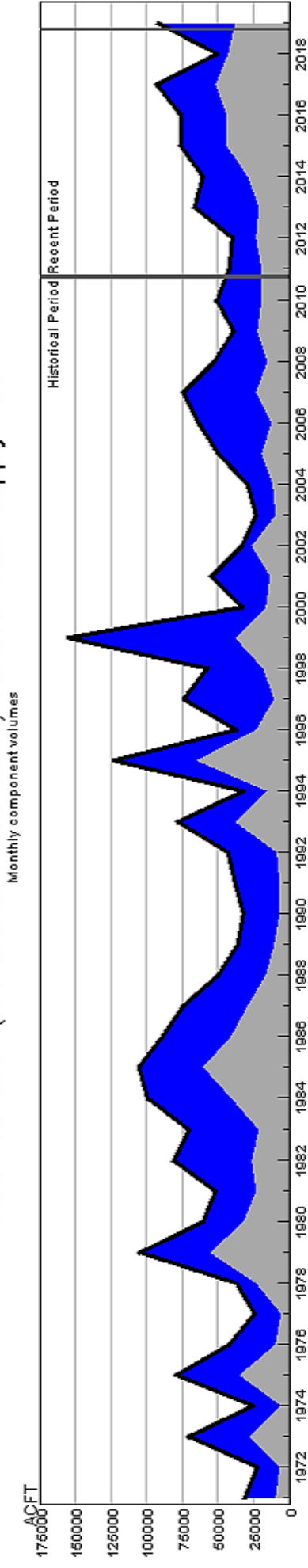
HUC 11020010 (Purgatoire) SWSI Values - SEP

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



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

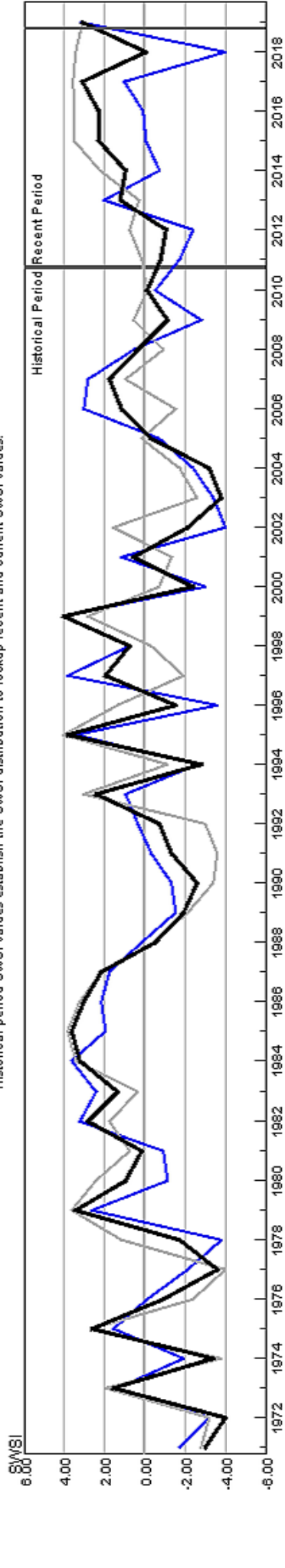
HUC 13010001 (Rio Grande Headwaters) Surface Water Supply - SEP



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

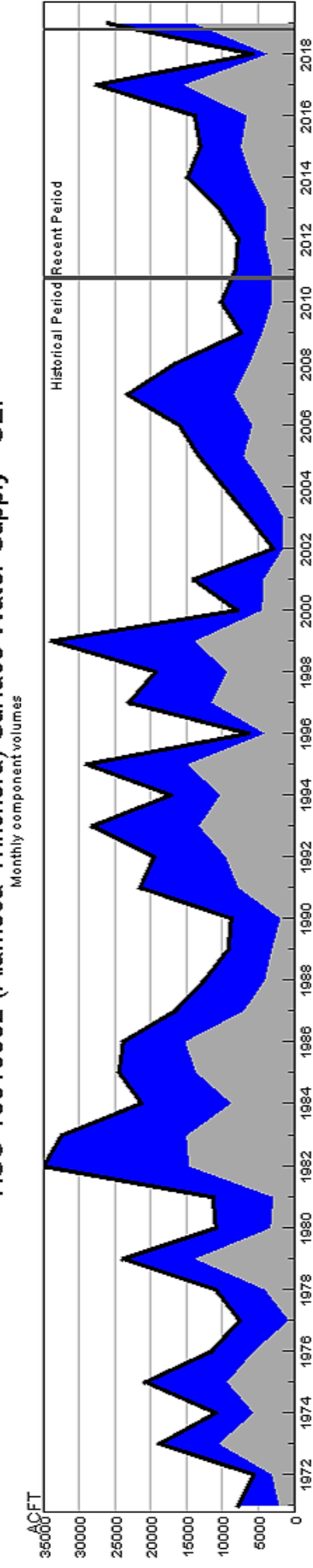
HUC 13010001 (Rio Grande Headwaters) SWSI Values - SEP

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

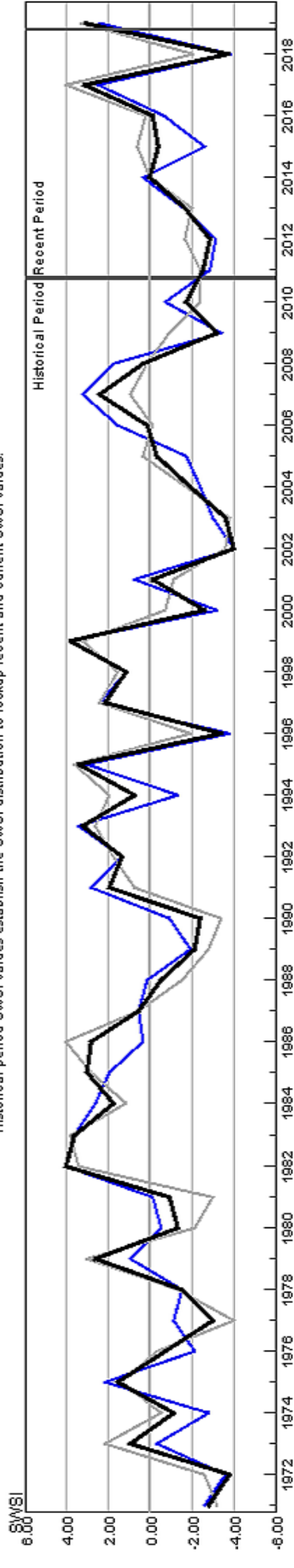
HUC 13010002 (Alamosa-Trinchera) Surface Water Supply - SEP



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

HUC 13010002 (Alamosa-Trinchera) SWSI Values - SEP

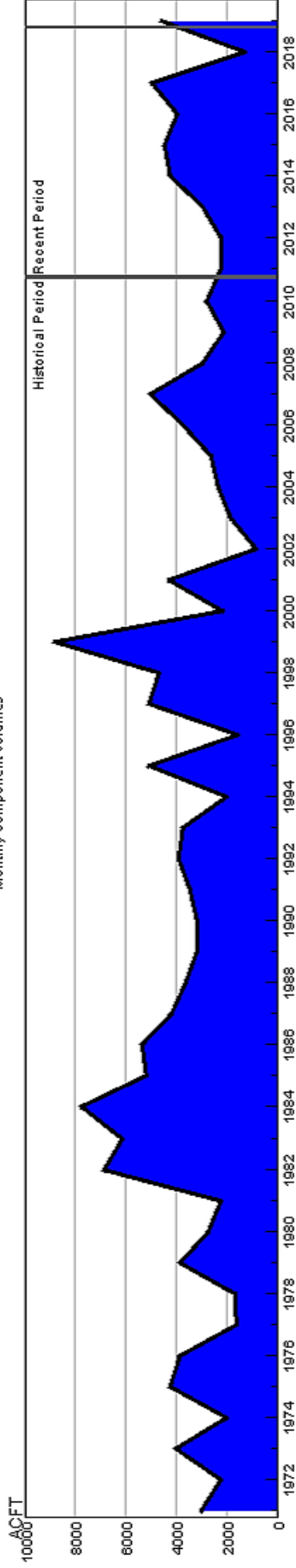
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

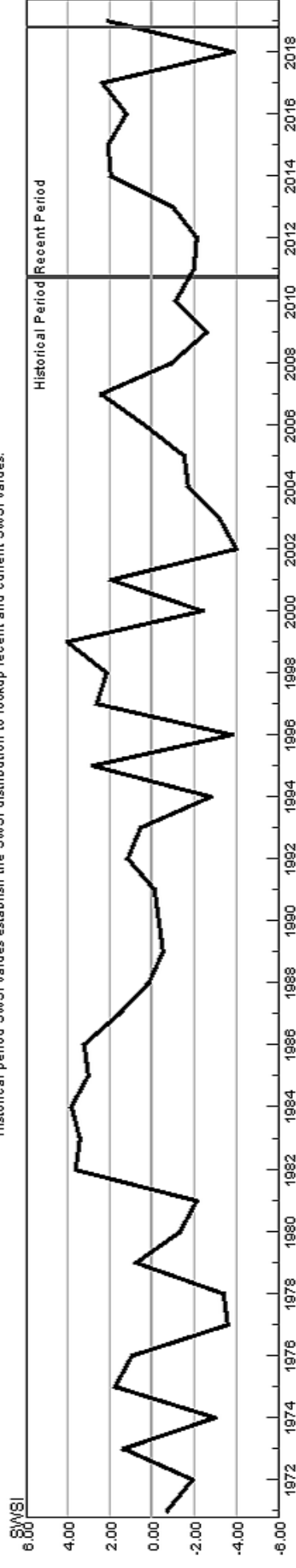
Monthly component volumes



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

HUC 13010004 (Saguache) SWSI Values - SEP

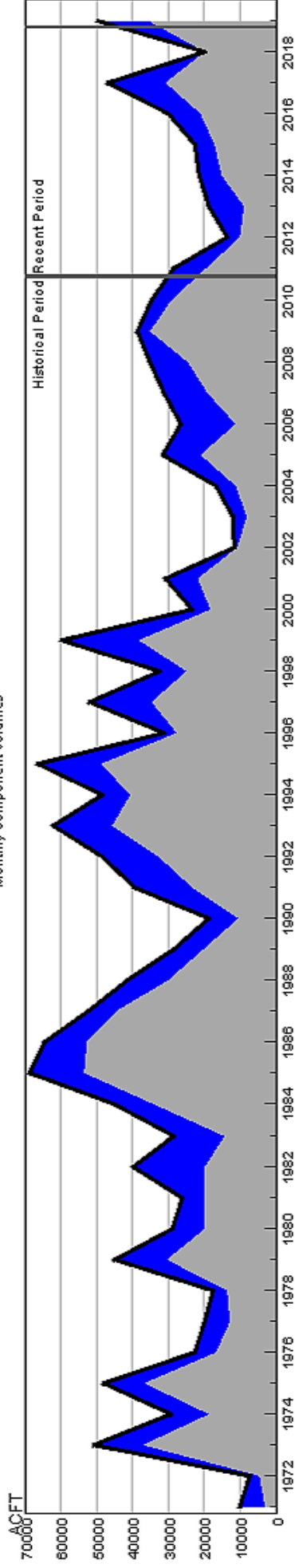
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

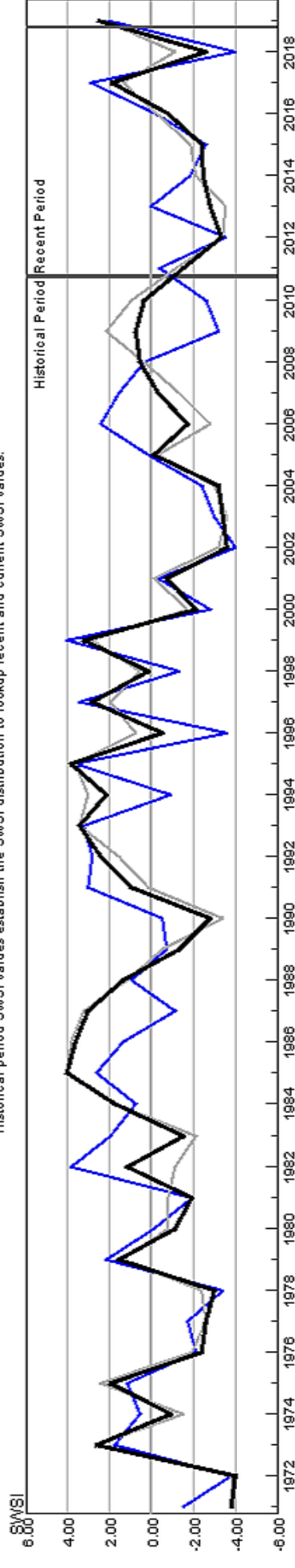
Monthly component volumes



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

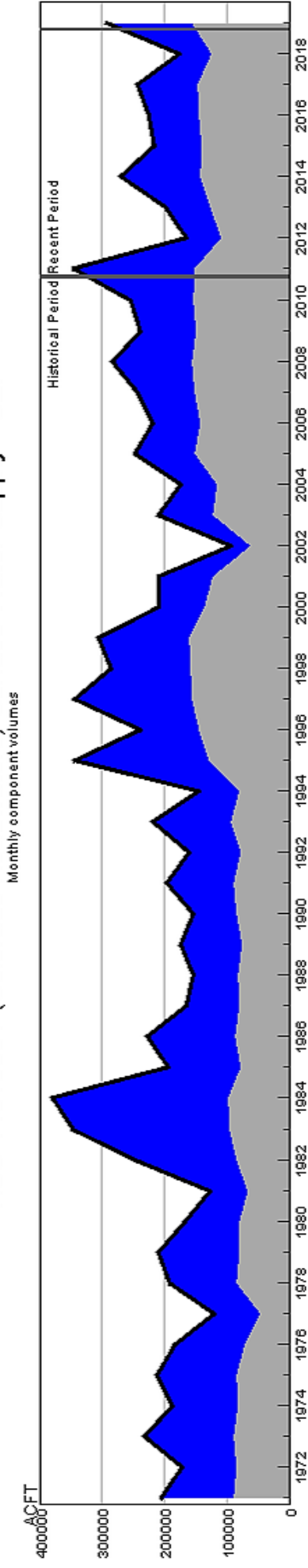
HUC 13010005 (Conejos) SWSI Values - SEP

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

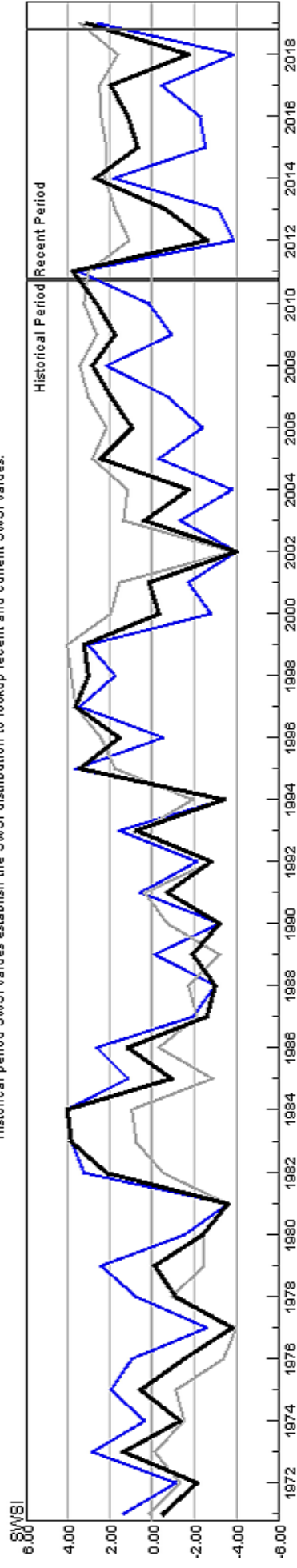
HUC 14010001 (Colorado Headwaters) Surface Water Supply - SEP



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

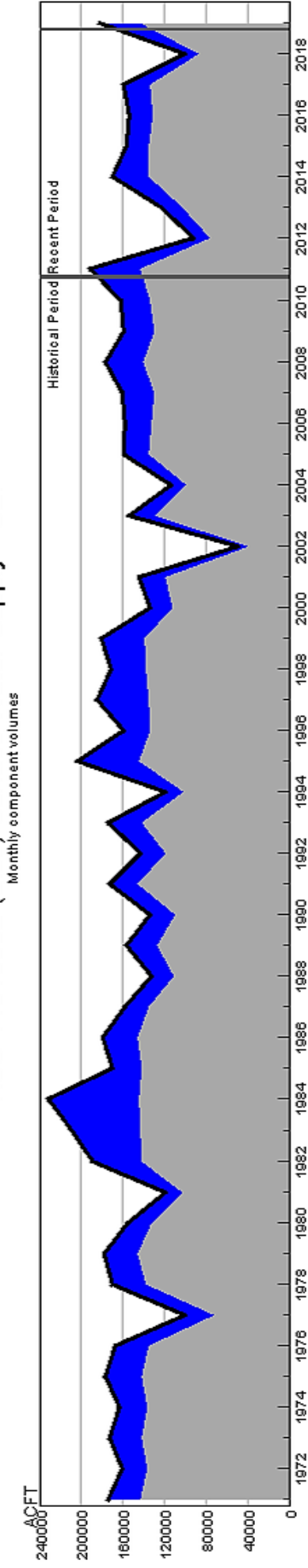
HUC 14010001 (Colorado Headwaters) SWSI Values - SEP

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

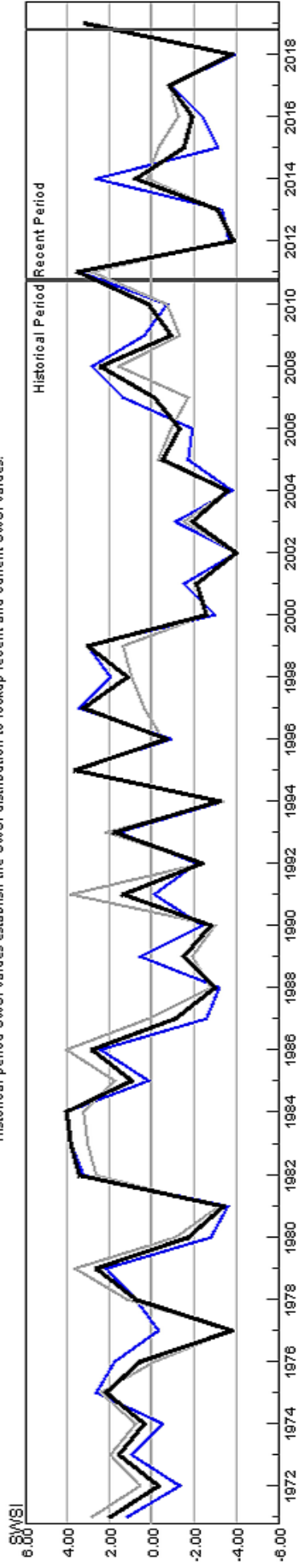
HUC 14010002 (Blue) Surface Water Supply - SEP



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

HUC 14010002 (Blue) SWSI Values - SEP

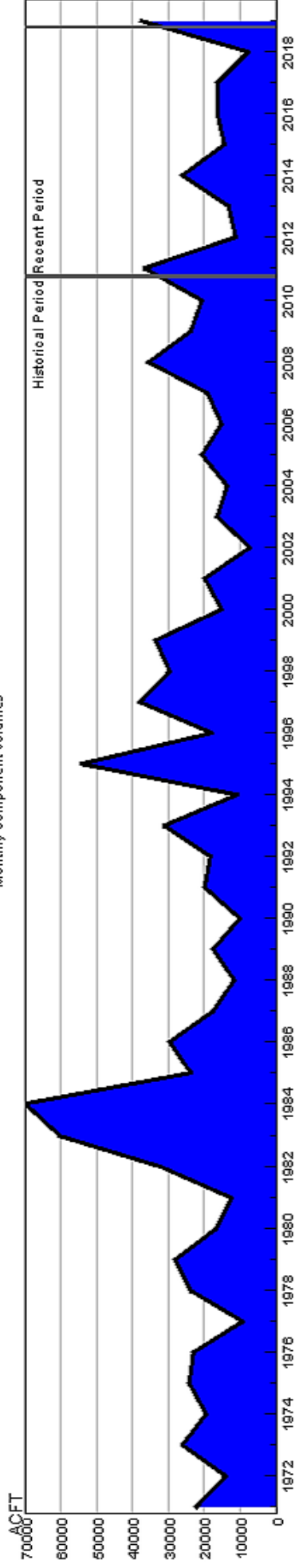
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

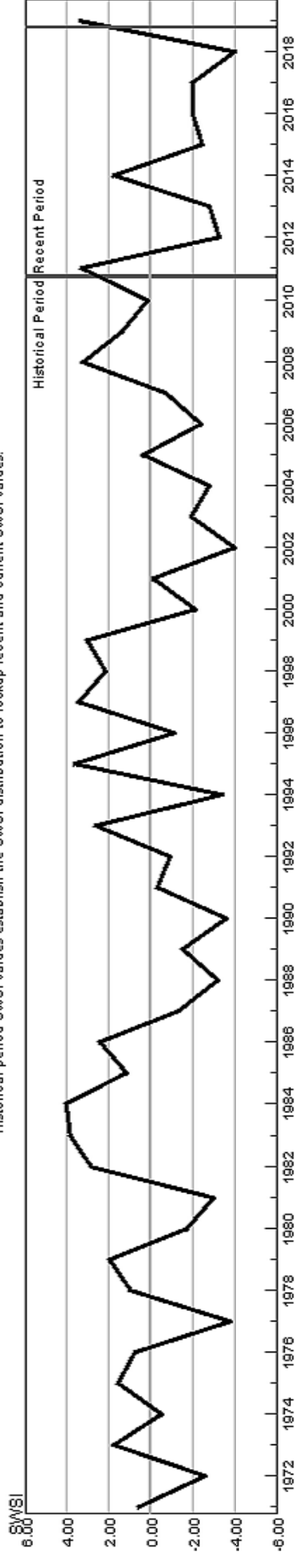
Monthly component volumes



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

HUC 14010003 (Eagle) SWSI Values - SEP

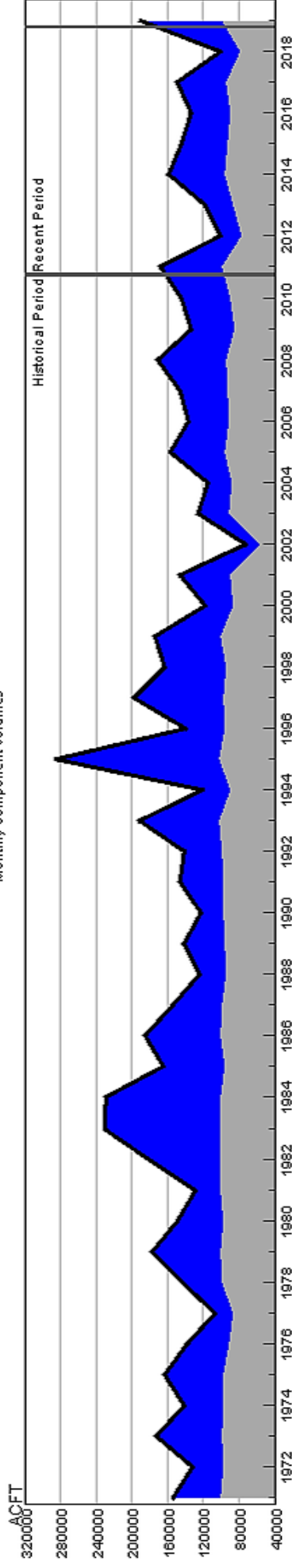
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

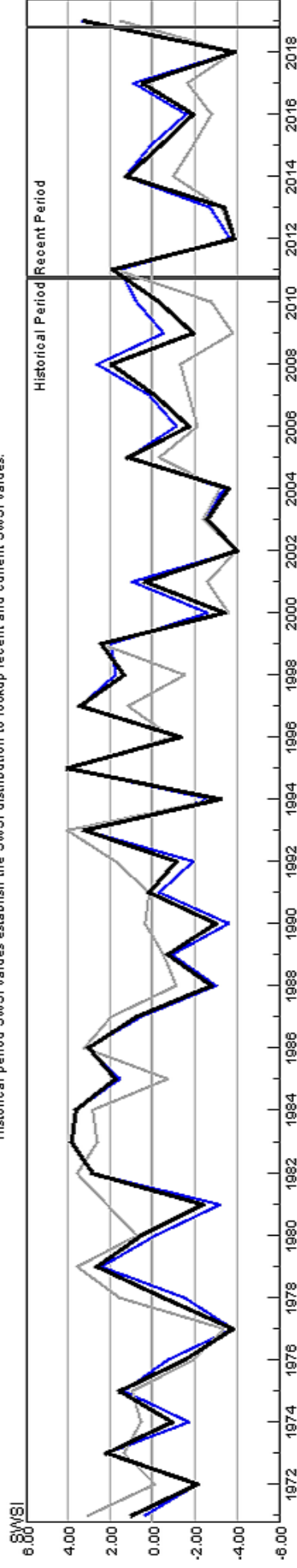
Monthly component volumes



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

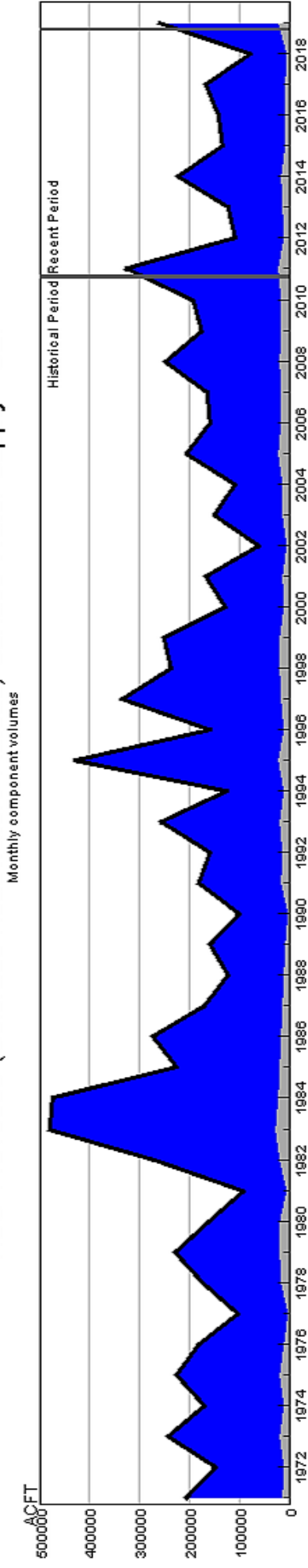
HUC 14010004 (Roaring Fork) SWSI Values - SEP

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



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

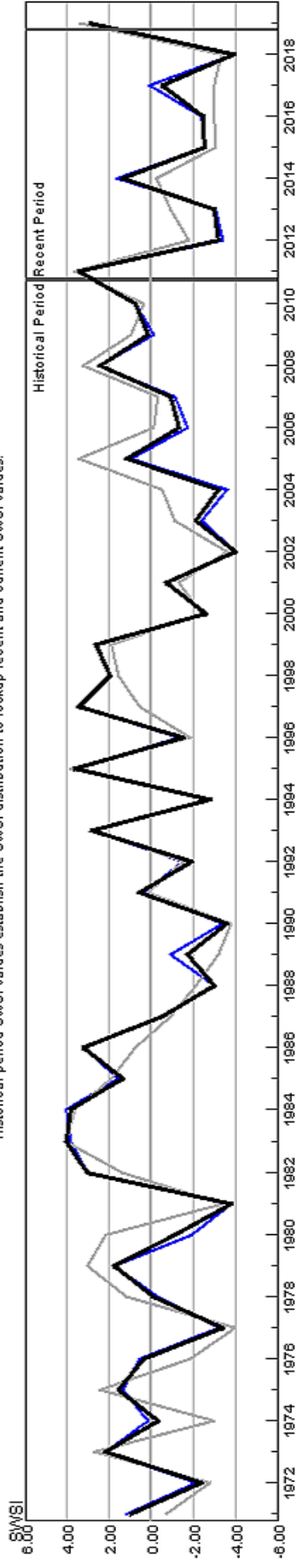
HUC 14010005 (Colorado Headwaters-Plateau) Surface Water Supply - SEP



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

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

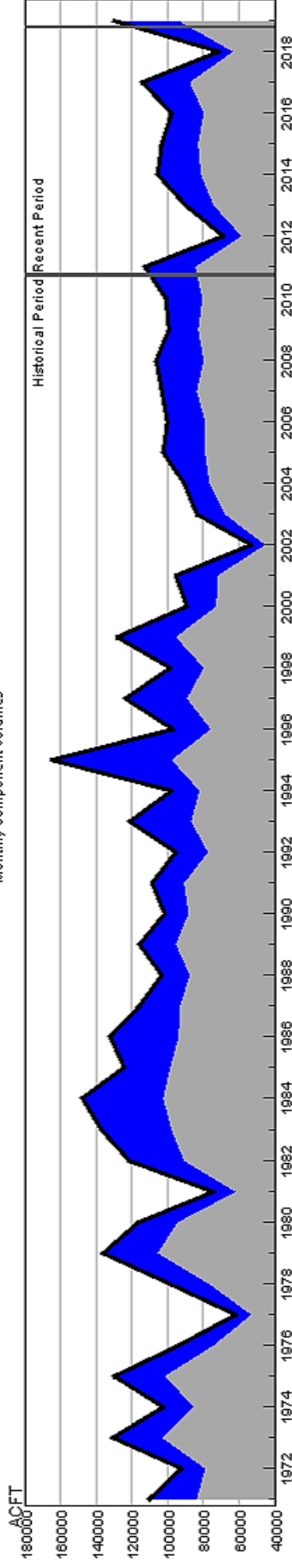
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

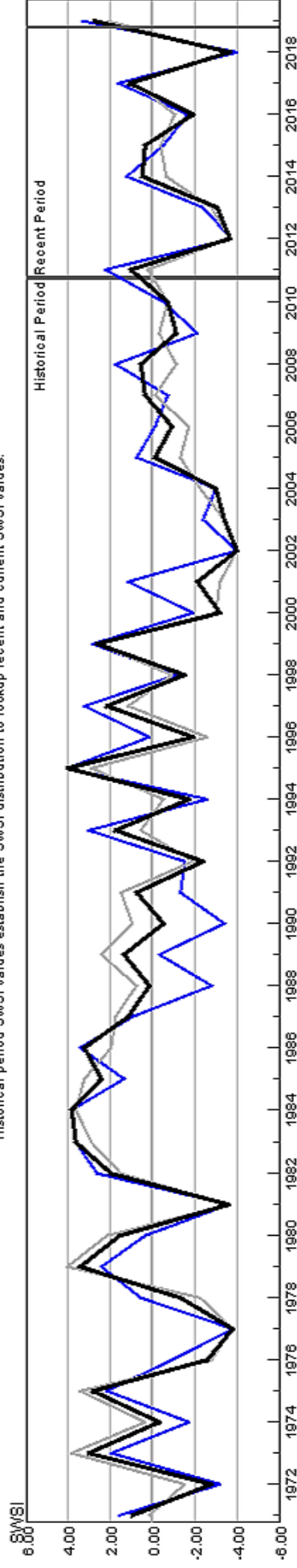
Monthly component volumes



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

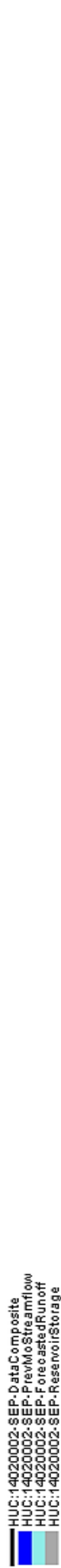
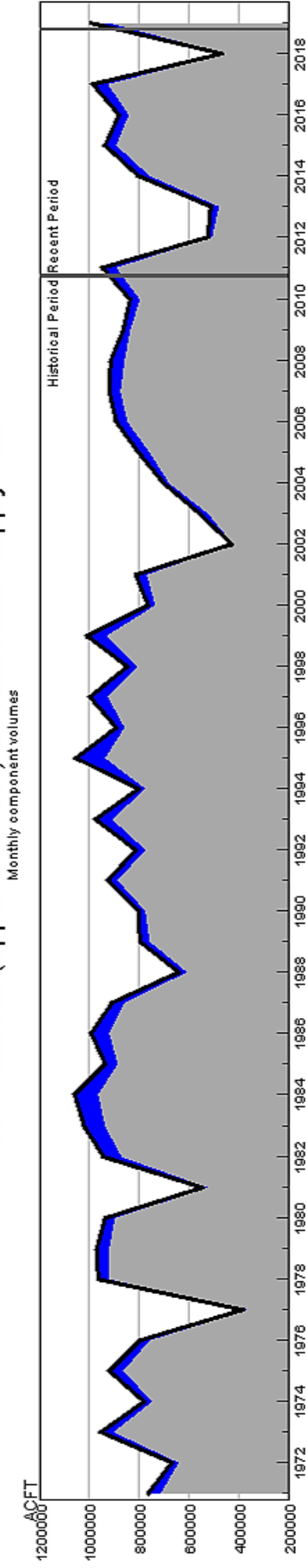
HUC 14020001 (East-Taylor) SWSI Values - SEP

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

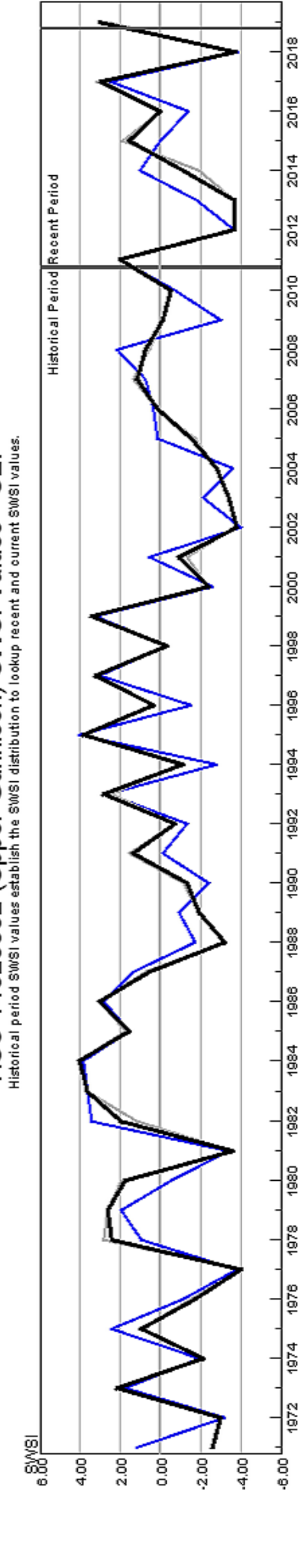


HUC:14020001-SEP-PrevMoStreamflow-SWSI
 HUC:14020001-SEP-ForecastdRunoff-SWSI
 HUC:14020001-SEP-ReservoirStorage-SWSI
 HUC:14020001-SEP-DataComposite-SWSI

HUC 14020002 (Upper Gunnison) Surface Water Supply - SEP

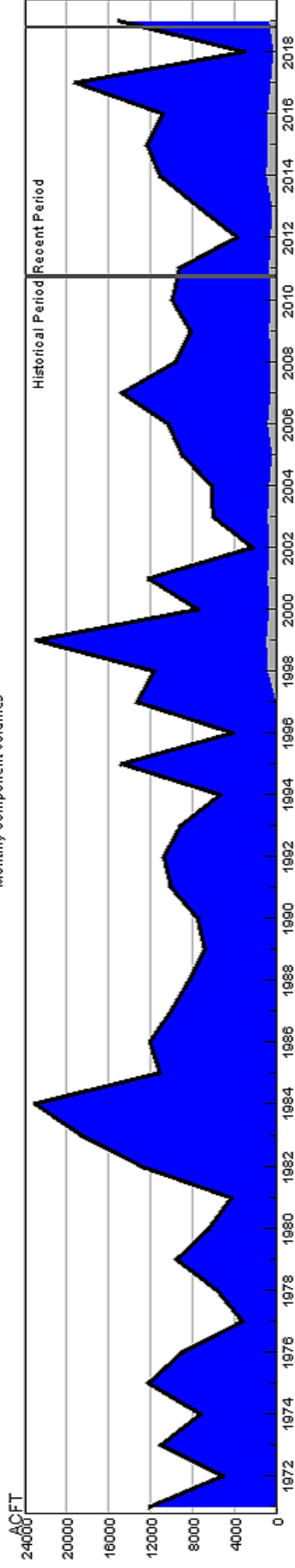


HUC 14020002 (Upper Gunnison) SWSI Values - SEP



HUC 14020003 (Tomichi) Surface Water Supply - SEP

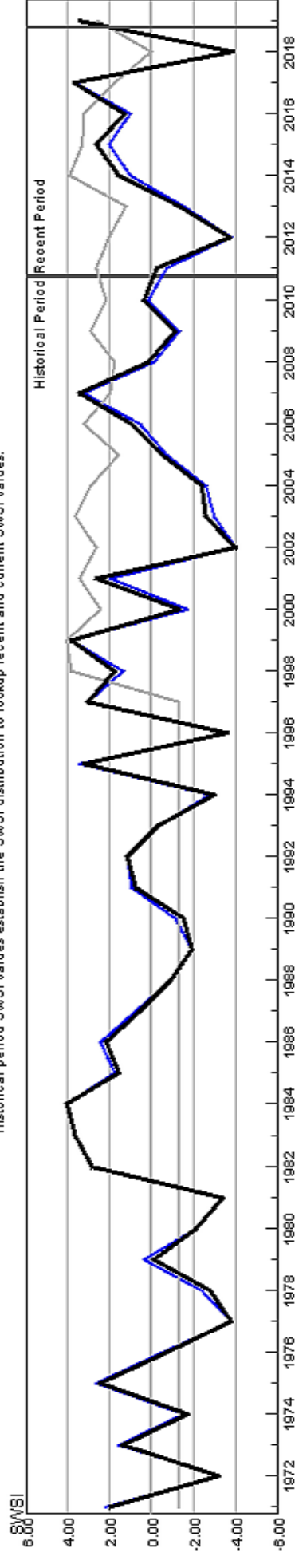
Monthly component volumes



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

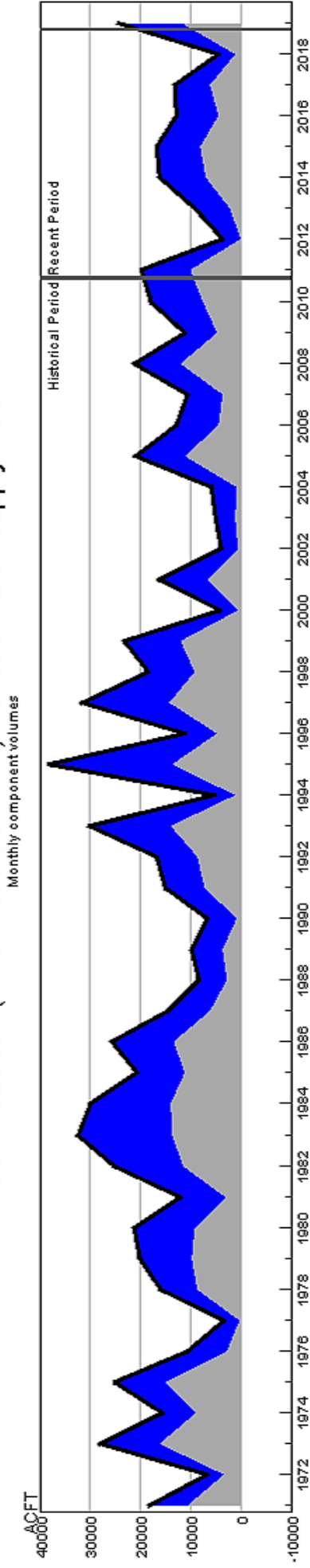
HUC 14020003 (Tomichi) SWSI Values - SEP

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

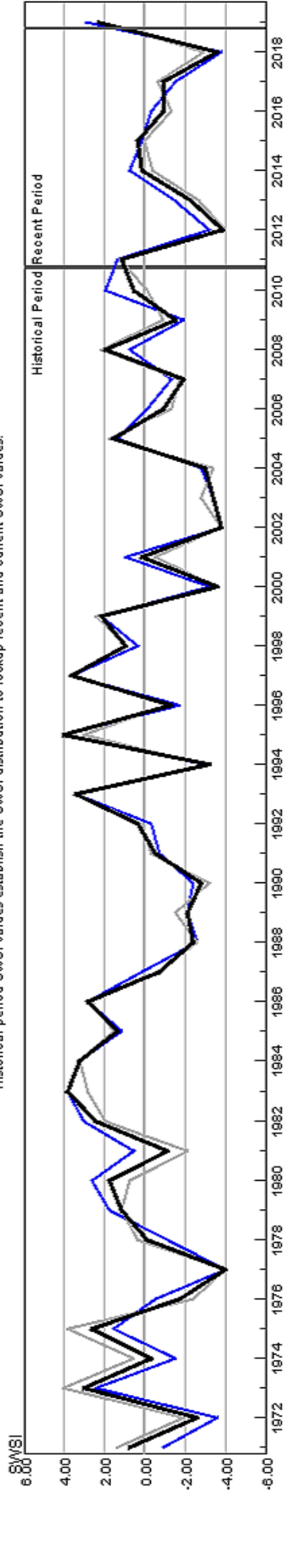
HUC 14020004 (North Fork Gunnison) Surface Water Supply - SEP



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

HUC 14020004 (North Fork Gunnison) SWSI Values - SEP

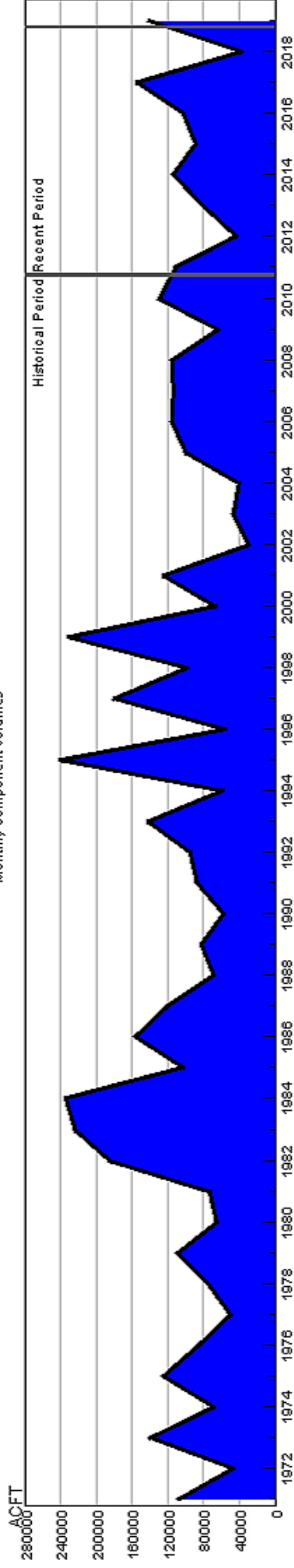
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14020005 (Lower Gunnison) Surface Water Supply - SEP

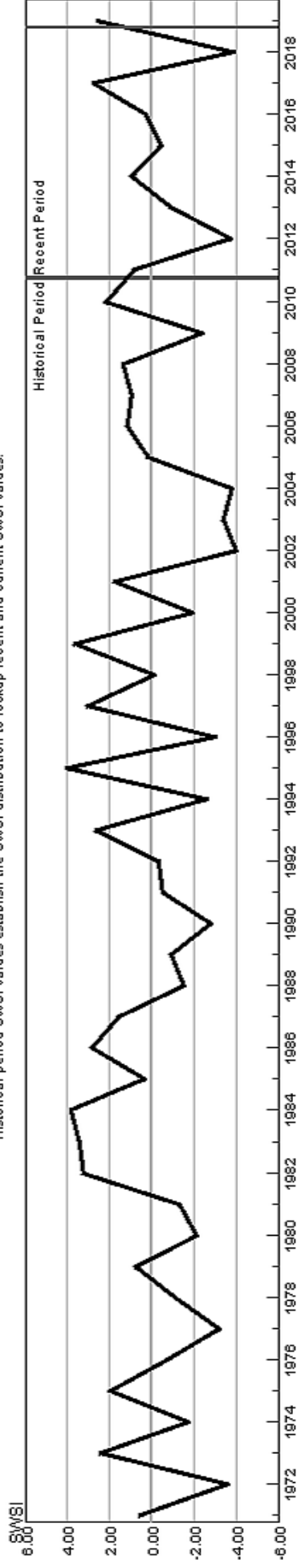
Monthly component volumes



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

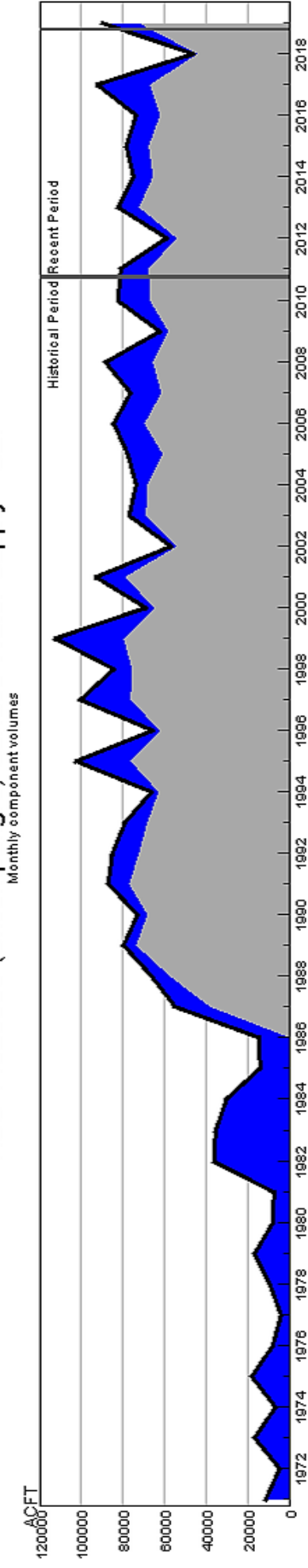
HUC 14020005 (Lower Gunnison) SWSI Values - SEP

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



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

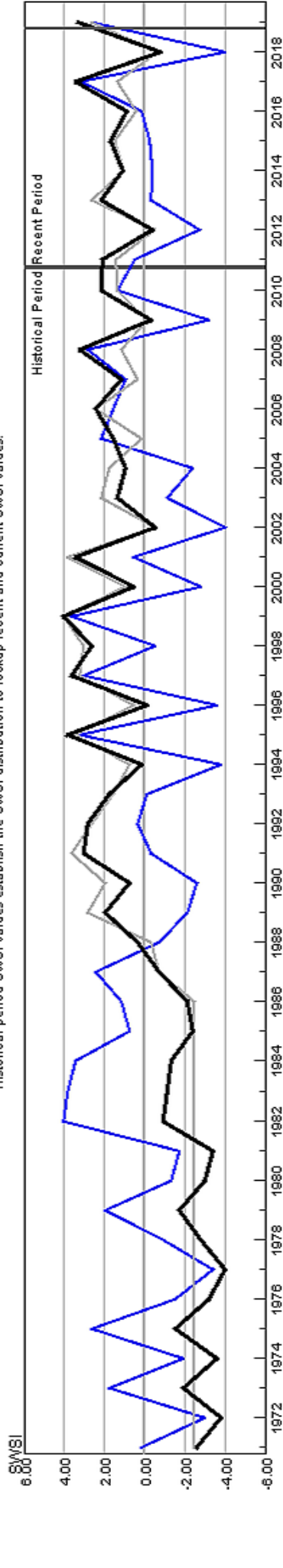
HUC 14020006 (Uncompahgre) Surface Water Supply - SEP



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

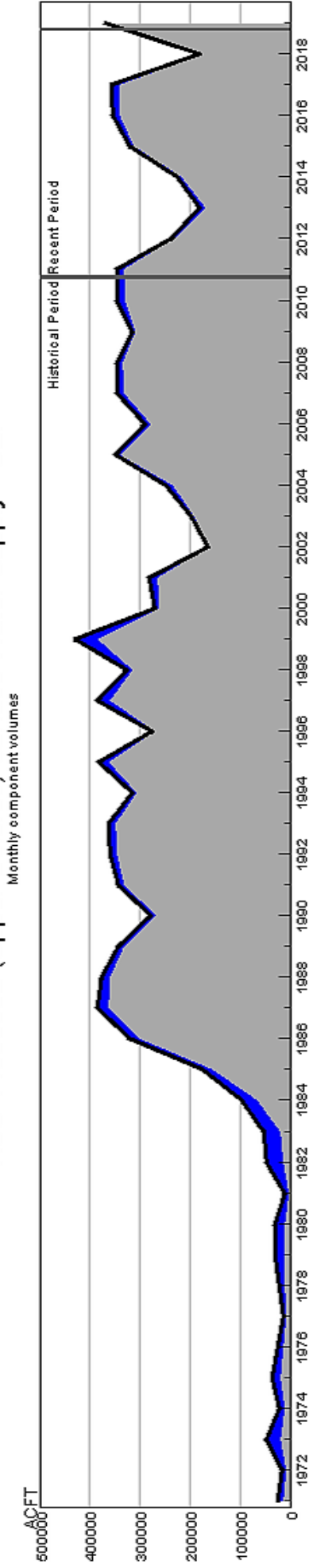
HUC 14020006 (Uncompahgre) SWSI Values - SEP

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



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

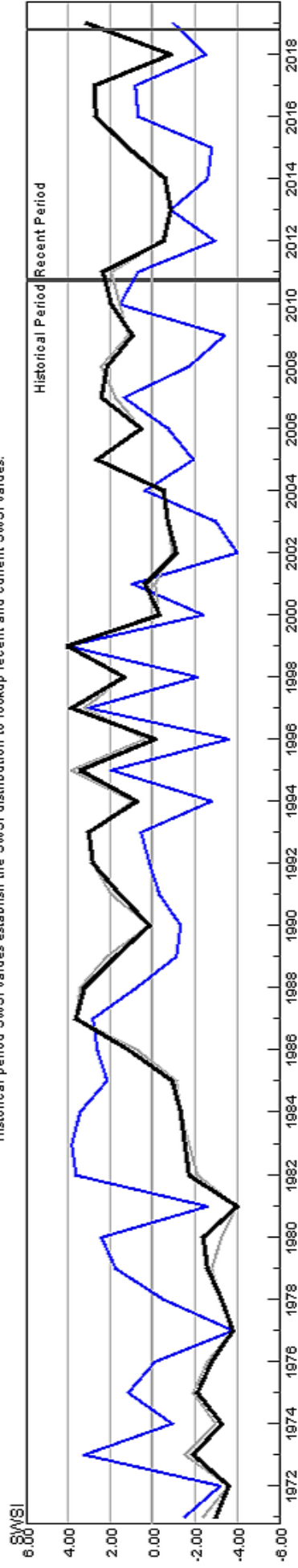
HUC 14030002 (Upper Dolores) Surface Water Supply - SEP



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

HUC 14030002 (Upper Dolores) SWSI Values - SEP

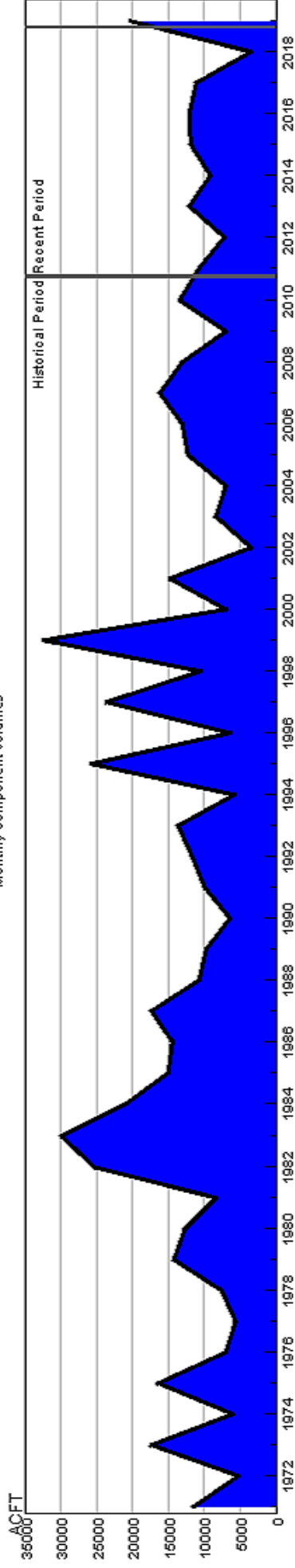
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

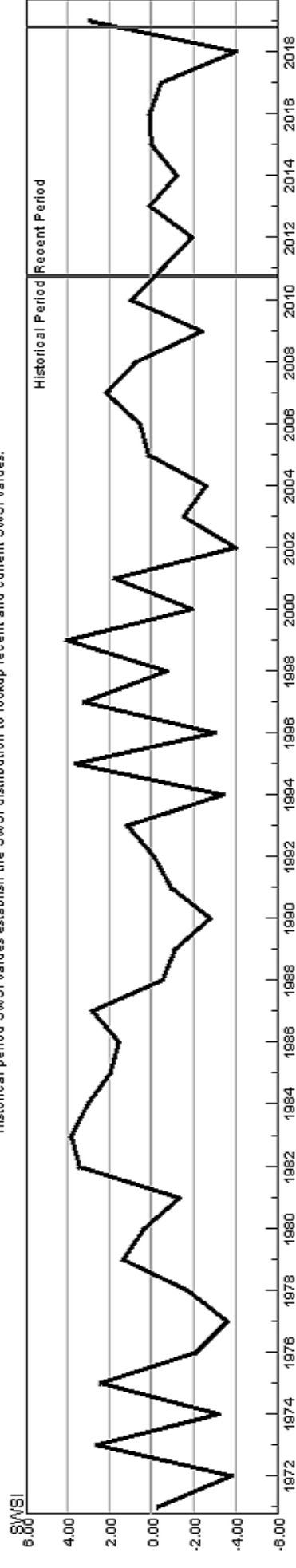
Monthly component volumes



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

HUC 14030003 (San Miguel) SWSI Values - SEP

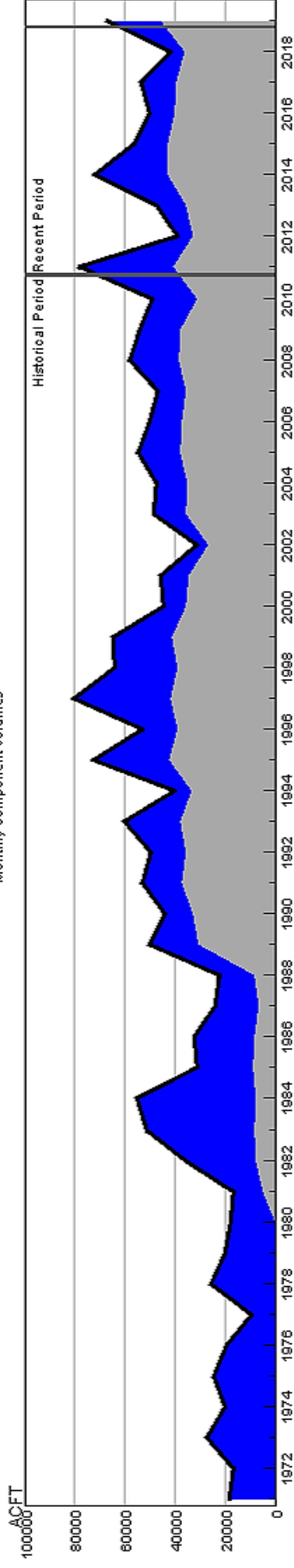
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

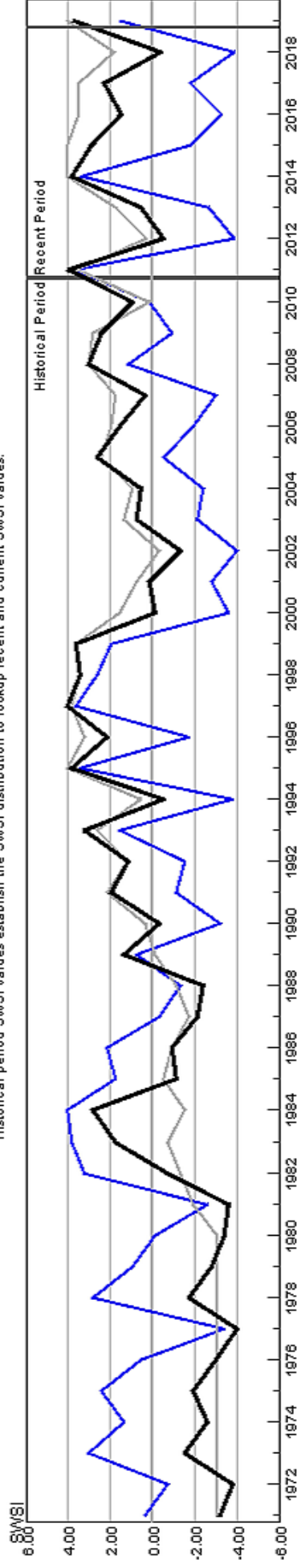
Monthly component volumes



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

HUC 14050001 (Upper Yampa) SWSI Values - SEP

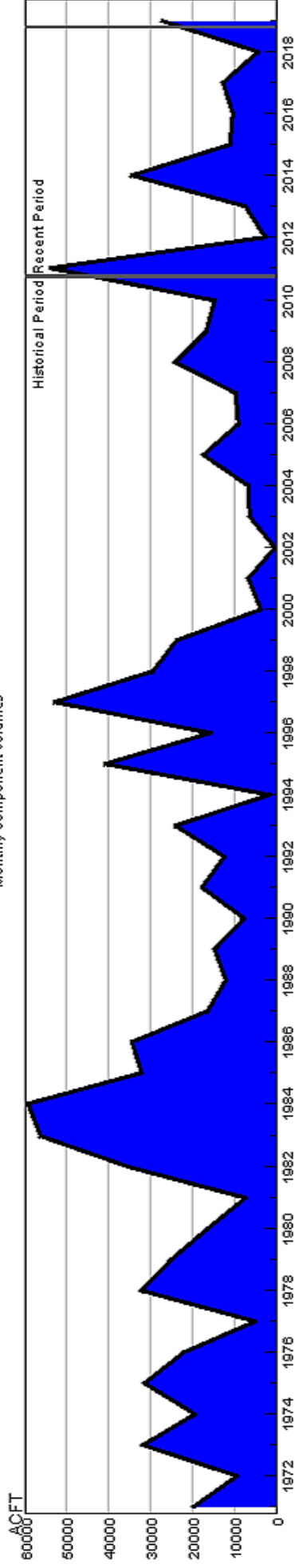
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14050002 (Lower Yampa) Surface Water Supply - SEP

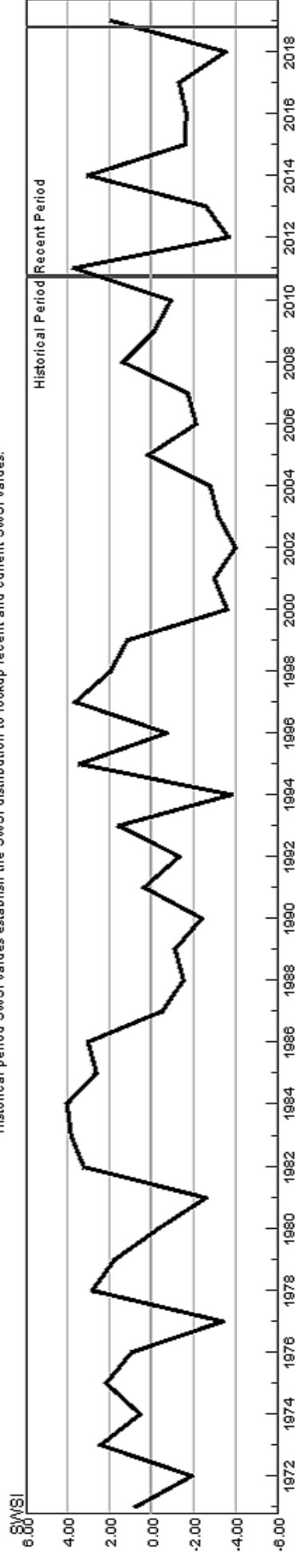
Monthly component volumes



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

HUC 14050002 (Lower Yampa) SWSI Values - SEP

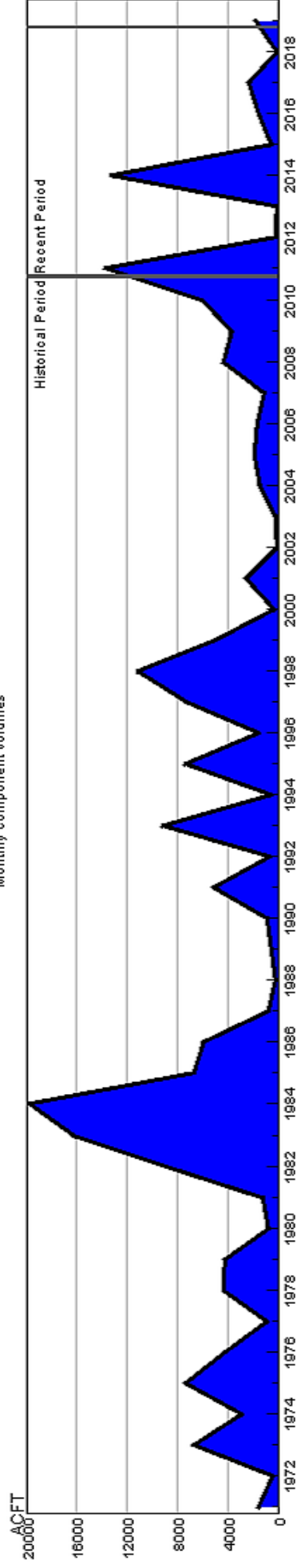
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

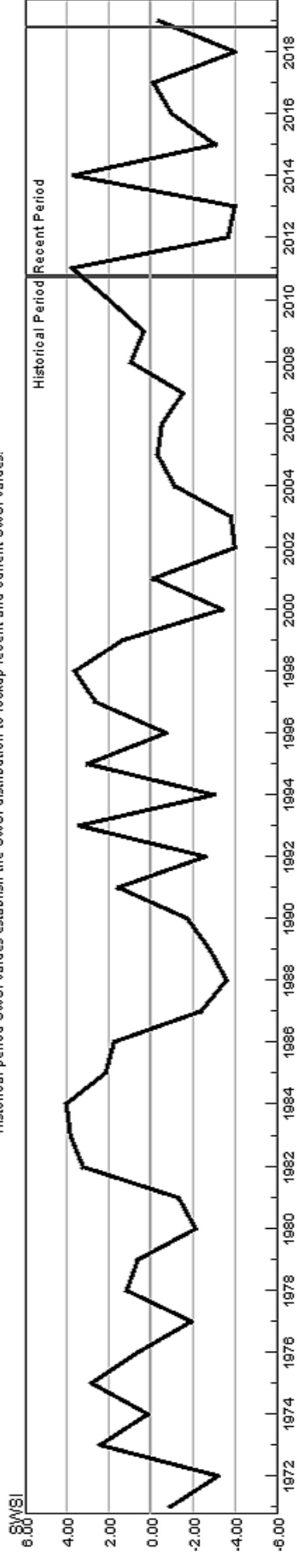
Monthly component volumes



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

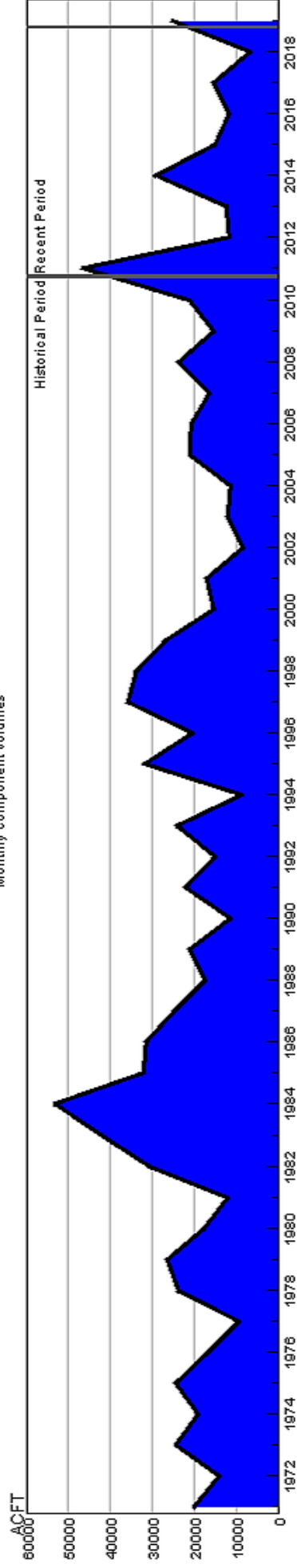
HUC 14050003 (Little Snake) SWSI Values - SEP

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



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

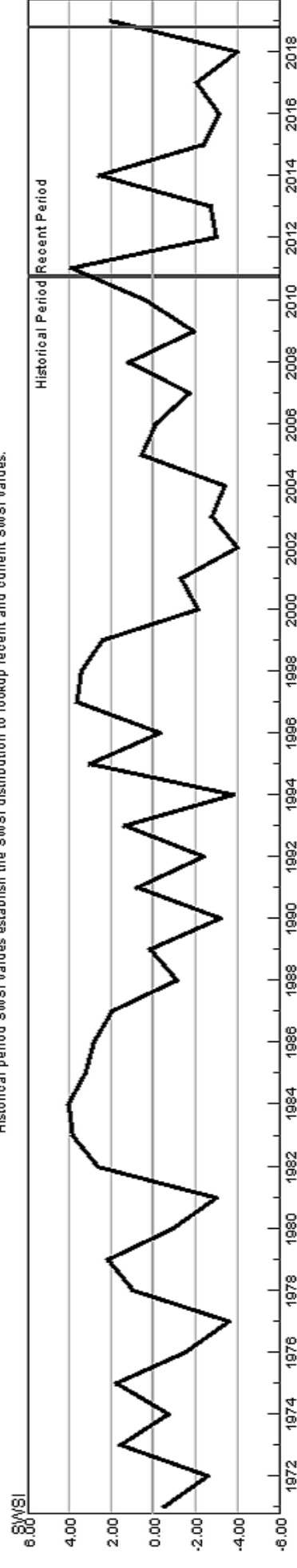
HUC 14050005 (Upper White) Surface Water Supply - SEPMonthly component volumes



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

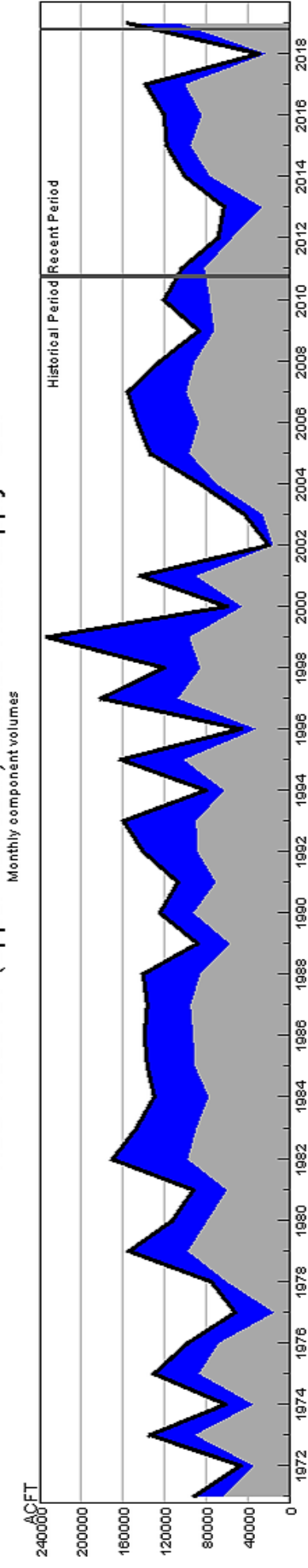
HUC 14050005 (Upper White) SWSI Values - SEP

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

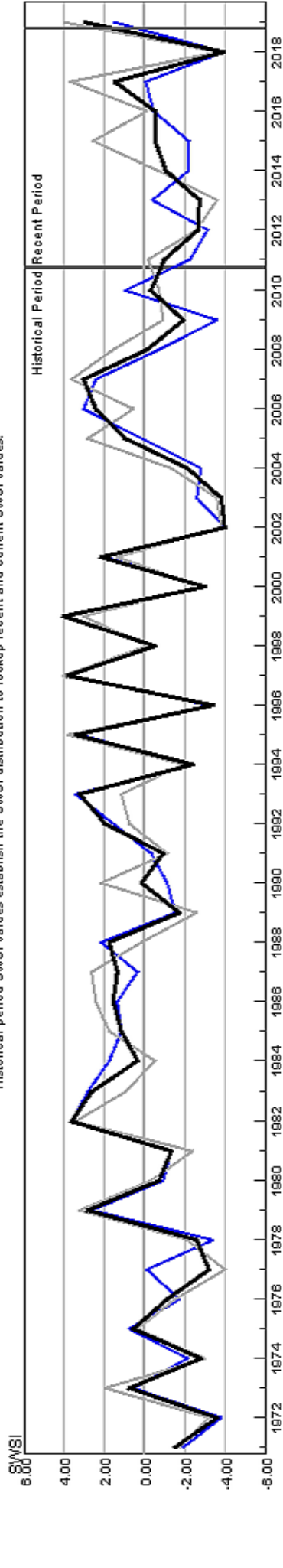
HUC 14080101 (Upper San Juan) Surface Water Supply - SEP



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

HUC 14080101 (Upper San Juan) SWSI Values - SEP

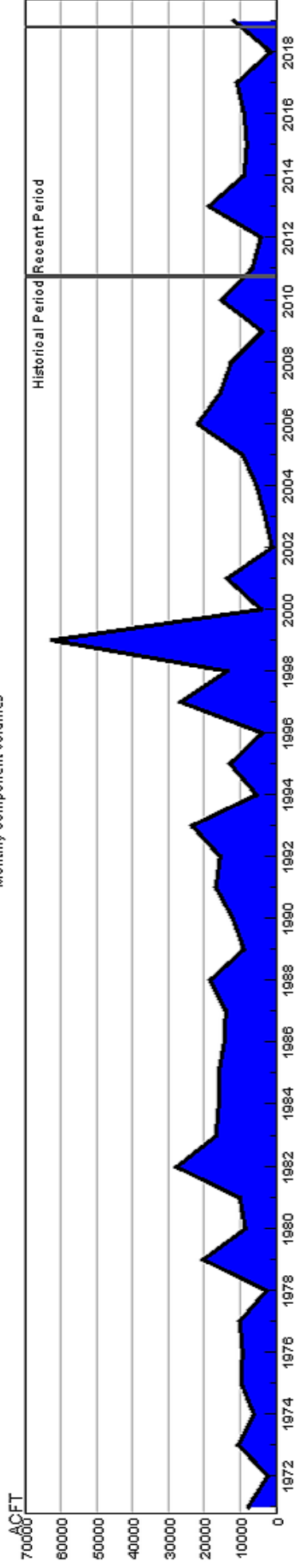
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14080102 (Piedra) Surface Water Supply - SEP

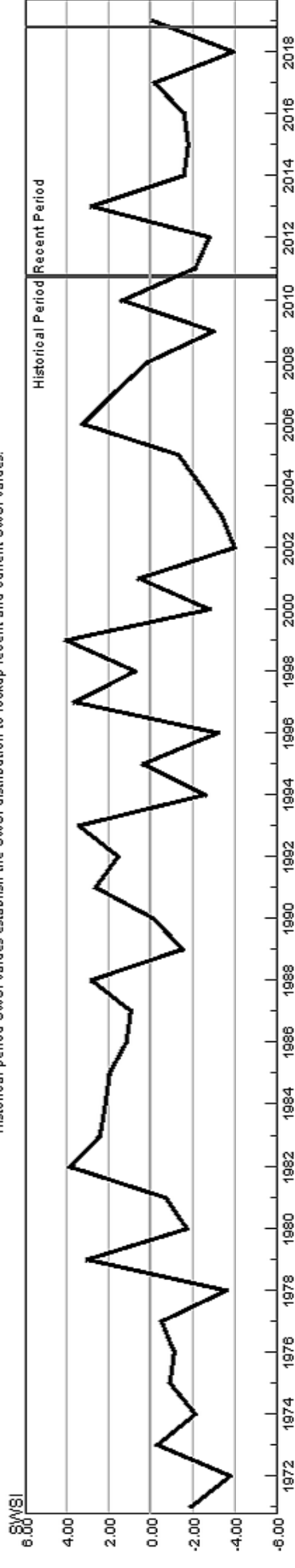
Monthly component volumes



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

HUC 14080102 (Piedra) SWSI Values - SEP

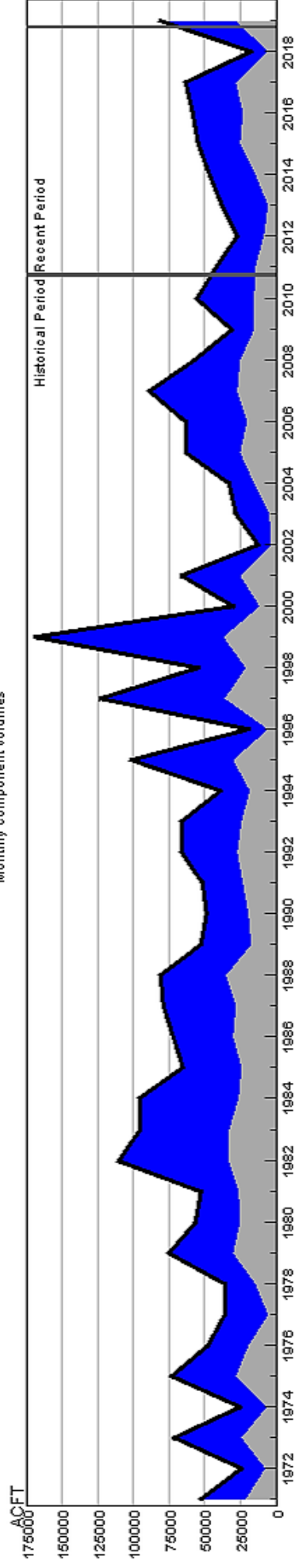
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.



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

HUC 14080104 (Animas) Surface Water Supply - SEP

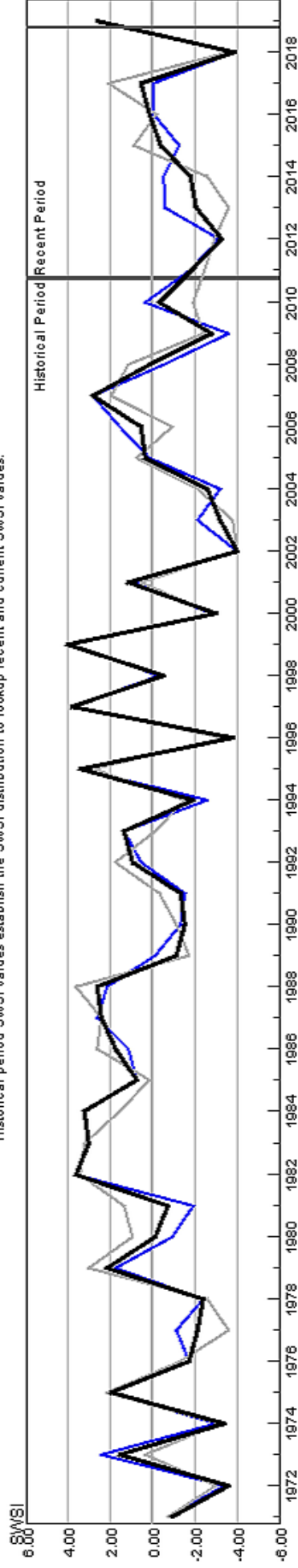
Monthly component volumes



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

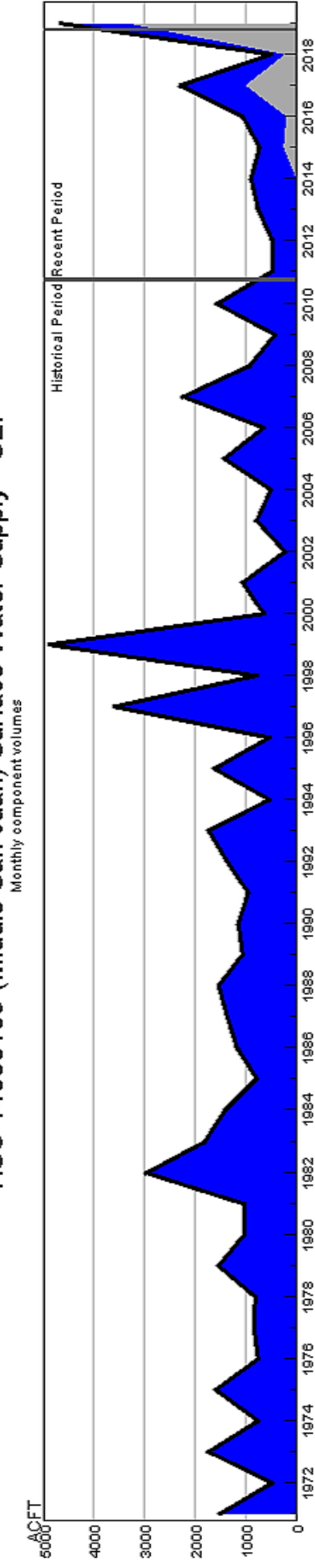
HUC 14080104 (Animas) SWSI Values - SEP

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



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

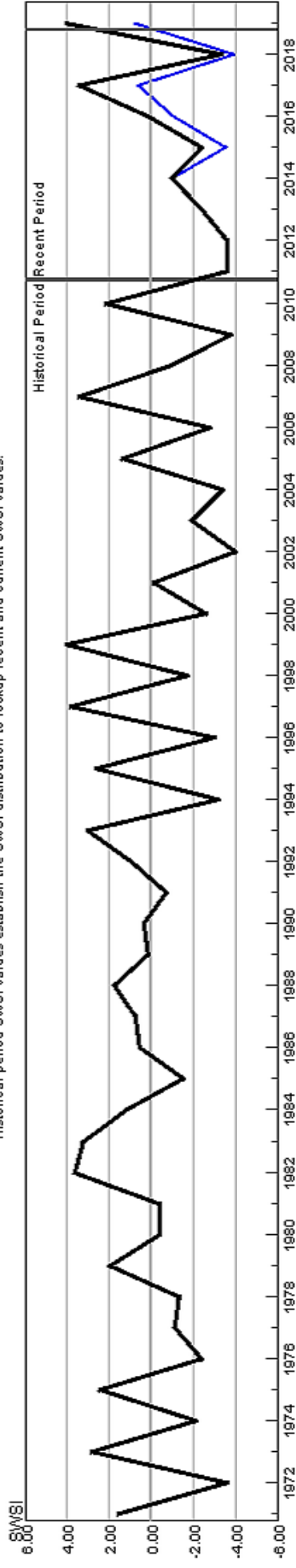
HUC 14080105 (Middle San Juan) Surface Water Supply - SEP



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