COLORADO
WATER SUPPLY CONDITIONS UPDATE

FROM THE OFFICE OF THE STATE ENGINEER: COLORADO DIVISION OF WATER RESOURCES   August 1, 2017
ROOM 818, 1313 SHERMAN ST., DENVER, CO 80203
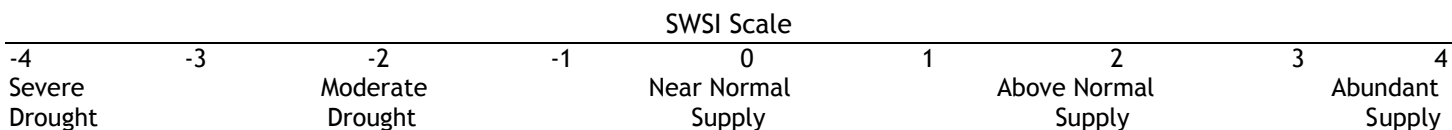303-866-3581; www.water.state.co.us

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.

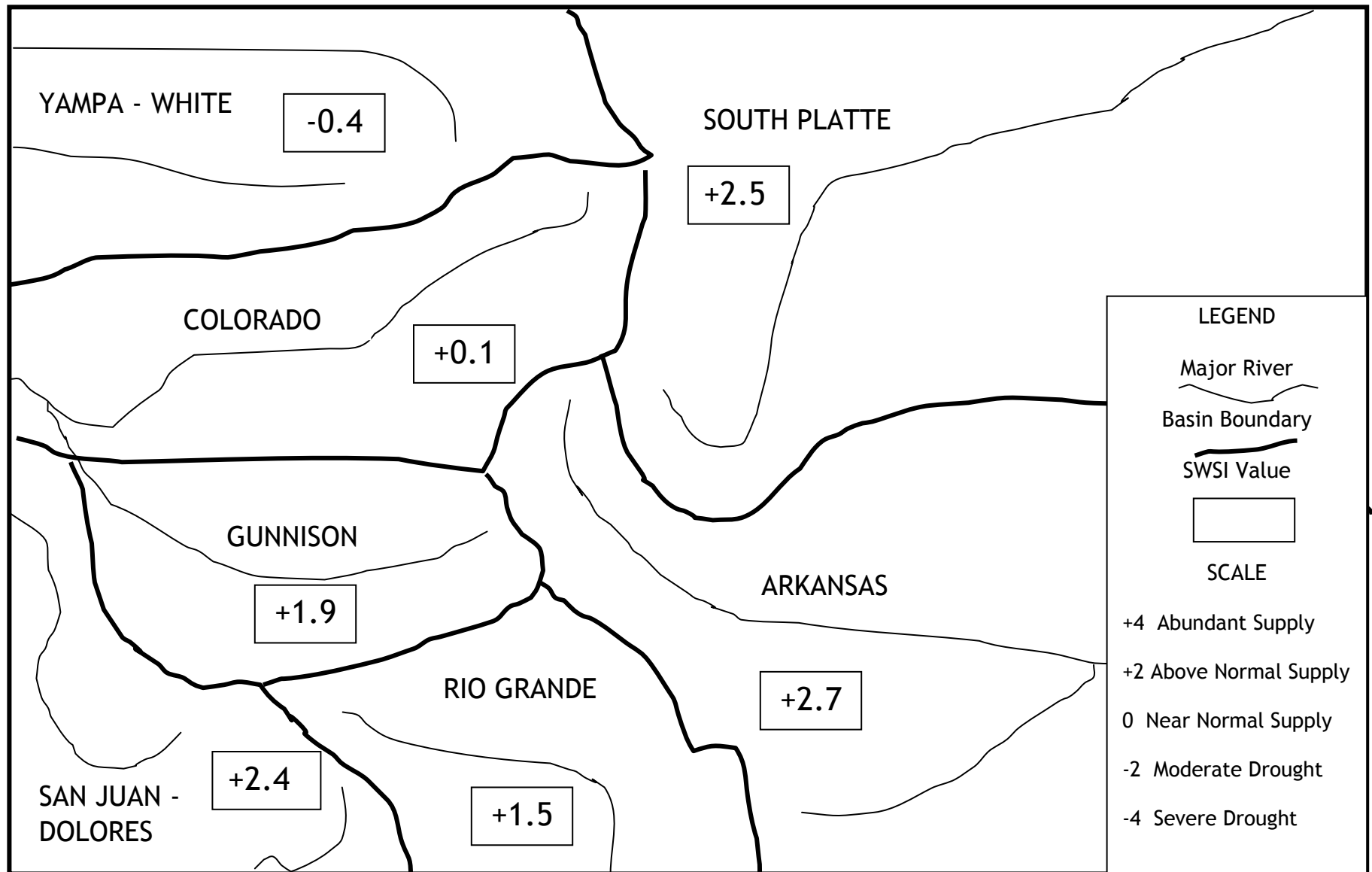| Time Period	SWSI Components
January 1 – June 1	Forecasted Runoff + Reservoir Storage
July 1 – September 1	**Previous Month's Streamflow + Reservoir Storage**
October 1 – December 1	Reservoir Storage

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 July 31. The following SWSI values were computed for each of the seven major basins for August 1, 2017. Water supply conditions are near to above normal for August 1, 2017 statewide.

Basin	August 1 SWSI	Change from Previous Month	Change from Previous Year
Arkansas	2.7	-0.2	0.7
Colorado	0.1	-0.8	0.1
Gunnison	1.9	-0.2	2.0
Rio Grande	1.5	0.4	0.9
San Juan-Dolores	2.4	0.7	1.0
South Platte	2.5	0.1	0.7
Yampa-White	-0.4	0.2	-0.1

SWSI Scale

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

SURFACE WATER SUPPLY INDEX FOR COLORADO BY MAJOR RIVER BASIN

YAMPA - WHITE

-0.4

SOUTH PLATTE

+2.5

COLORADO

+0.1

GUNNISON

+1.9

ARKANSAS

+2.7

RIO GRANDE

+1.5

SAN JUAN - DOLORES

+2.4

LEGEND

Major River

Basin Boundary

SWSI Value

SCALE

+4 Abundant Supply

+2 Above Normal Supply

0 Near Normal Supply

-2 Moderate Drought

-4 Severe Drought

August 1, 2017

SURFACE WATER SUPPLY INDEX FOR COLORADO BY HUC

CDSS | Colorado's Decision Support Systems

SWSI August 1, 2017

Legend

SWSI - Current Report

- SWSI Not Applicable (-99.99)
- Extremely Dry (-3.0 – -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)

Division

Citations

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: 8/16/2017 7:12:00 AM

August 1, 2017 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	11020001	Arkansas Headwaters	2.2	62	63	306,213
	11020002	Upper Arkansas	2.9	81	72	347,807
	11020005	Upper Arkansas-Lake Meredith	2.8	99	72	168,124
	11020006	Huerfano River	0.3	11	87	6,617
	11020009	Upper Arkansas-John Martin Reservoir	2.4	84	73	395,786
	11020010	Purgatoire River	2.8	82	80	45,962
Colorado	14010001	Colorado Headwaters	0.5	91	48	387,163
	14010002	Blue River	0.1	76	51	207,348
	14010003	Eagle River	-0.5	N/A	44	48,626
	14010004	Roaring Fork	0.0	78	49	231,013
	14010005	Colorado Headwaters-Plateau	-0.2	41	48	377,964
Gunnison	14020001	East-Taylor	1.6	69	63	162,085
	14020002	Upper Gunnison	2.0	84	62	1,065,477
	14020003	Tomichi Creek	2.6	64	81	16,069
	14020004	North Fork Gunnison	0.6	55	59	37,551
	14020005	Lower Gunnison	0.7	N/A	59	207,488
	14020006	Uncompahgre River	2.9	80	63	107,064
	14030003	San Miguel	-0.4	N/A	45	20,751
Rio Grande	13010001	Rio Grande Headwaters	1.6	82	58	107,423
	13010002	Alamosa-Trinchera	2.5	87	68	35,055
	13010004	Saguache Creek	2.0	N/A	74	6,177
	13010005	Conejos River	1.0	59	67	59,018
San Juan-Dolores	14030002	Upper Dolores	2.6	79	65	391,699
	14080101	Upper San Juan	0.9	83	55	171,817
	14080102	Piedra River	-2.1	N/A	25	7,943
	14080104	Animas River	0.7	74	57	104,884
	14080105	Middle San Juan	2.4	50	59	3,056
	14080107	Mancos	2.4	81	76	11,889
South Platte	10190001	South Platte Headwaters	3.3	91	78	189,903
	10190002	Upper South Platte	1.5	97	65	374,824
	10190003	Middle South Platte-Cherry Creek	1.3	54	64	274,246
	10190004	Clear Creek	0.5	N/A	56	28,341
	10190005	St. Vrain River	2.4	97	65	121,681
	10190006	Big Thompson River	2.6	82	62	651,700
	10190007	Cache La Poudre	3.4	99	69	248,000
	10190012	Middle South Platte-Sterling	0.8	46	64	325,646
Yampa-White	10180001	North Platte Headwaters	-0.3	N/A	47	32,528
	14050001	Upper Yampa	0.8	96	44	85,833
	14050002	Lower Yampa	-0.6	N/A	42	44,822
	14050003	Little Snake	-0.7	N/A	41	9,003
	14050005	Upper White	-1.4	N/A	33	24,914

NEP is non exceedance percentage for total reservoir storage in HUC and last month's native streamflow volume in HUC (if there is more than one of each type of component, their volumes are added together). Some HUCs do not have any reservoirs considered in the SWSI. Total Vol is the volume of reservoir storage plus last month's streamflow volume in the HUC combined. NEP is calculated compared to the volume of actual natural flow and active storage 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 (Normal)	4.0 (Abundant Supply)

August 1, 2017 SWSI Component Information By HUC

HUC ID	HUC Name	Component Name	Component Volume (AF)	Component NEP for Month
11020001	Arkansas Headwaters	ARKANSAS RIVER AT SALIDA	72,013	63
		CLEAR CREEK RESERVOIR	9,200	66
		TURQUOISE LAKE	115,900	41
		TWIN LAKES RESERVOIR	66,500	53
		HOMESTAKE RESERVOIR	42,600	80
11020002	Upper Arkansas	PUEBLO RESERVOIR INFLOW	108,807	72
		PUEBLO RESERVOIR	239,000	81
11020005	Upper Arkansas-Lake Meredith	PUEBLO RESERVOIR INFLOW	108,807	72
		HUERFANO RIVER NEAR REDWING	3,064	70
		CUCHARAS RIVER AT BOYD RANCH NR LA VETA	3,553	95
		MEREDITH RESERVOIR	43,100	99
		LAKE HENRY	9,600	99
11020006	Huerfano River	HUERFANO RIVER NEAR REDWING	3,064	70
		CUCHARAS RIVER AT BOYD RANCH NR LA VETA	3,553	95
		CUCHARAS RESERVOIR	0	11
11020009	Upper Arkansas-John Martin Reservoir	PUEBLO RESERVOIR INFLOW	108,807	72
		HUERFANO RIVER NEAR REDWING	3,064	70
		CUCHARAS RIVER AT BOYD RANCH NR LA VETA	3,553	95
		PURGATOIRE RIVER AT TRINIDAD	10,562	80
		ADOBE CREEK RESERVOIR	47,100	77
		JOHN MARTIN RESERVOIR	222,700	84
11020010	Purgatoire River	PURGATOIRE RIVER AT TRINIDAD	10,562	80
		TRINIDAD LAKE	35,400	82
14010001	Colorado Headwaters	COLORADO RIVER NEAR DOTSERO	225,563	48
		WILLIAMS FORK RESERVOIR	96,200	83
		WOLFORD MOUNTAIN RESERVOIR	65,400	89
14010002	Blue River	BLUE RIVER INFLOW TO GREEN MOUNTAIN RES	61,548	51
		GREEN MOUNTAIN RESERVOIR	145,800	76
14010003	Eagle River	EAGLE RIVER BELOW GYPSUM	48,626	44
14010004	Roaring Fork	ROARING FORK AT GLENWOOD SPRINGS	129,613	49
		RUEDI RESERVOIR	101,400	78
14010005	Colorado Headwaters-Plateau	COLORADO RIVER NEAR CAMEO	356,664	48
		VEGA RESERVOIR	21,300	41
14020001	East-Taylor	TAYLOR R INF TO TAYLOR PARK RESERVOIR	24,163	69
		EAST RIVER AT ALMONT	37,823	66
		TAYLOR PARK RESERVOIR	100,100	69

HUC ID	HUC Name	Component Name	Component Volume (AF)	Component NEP for Month
14020002	Upper Gunnison	GUNNISON RIVER NEAR GUNNISON, CO	76,399	63
		LAKE FORK AT GATEVIEW, CO	29,855	65
		BLUE MESA RESERVOIR	818,809	92
		MORROW POINT RESERVOIR	113,114	54
		FRUITLAND RESERVOIR	4,400	67
		CRAWFORD RESERVOIR	10,700	52
		SILVER JACK RESERVOIR	12,200	90
14020003	Tomichi Creek	TOMICHI CREEK AT GUNNISON, CO	15,669	81
		VOUGA RESERVOIR NEAR DOYLEVILLE	400	64
14020004	North Fork Gunnison	NORTH FORK GUNNISON R NR SOMERSET	22,751	59
		PAONIA RESERVOIR	14,800	55
14020005	Lower Gunnison	GUNNISON RIVER NR GRAND JUNCTION	207,488	59
14020006	Uncompahgre River	UNCOMPAHGRE RIVER AT COLONA	29,164	63
		RIDGEWAY RESERVOIR	77,900	80
14030003	San Miguel	SAN MIGUEL RIVER NEAR PLACERVILLE	20,751	45
13010001	Rio Grande Headwaters	RIO GRANDE NEAR DEL NORTE	55,623	58
		RIO GRANDE RESERVOIR	23,100	83
		SANTA MARIA RESERVOIR	10,600	74
		CONTINENTAL RESERVOIR	18,100	99
13010002	Alamosa-Trinchera	ALAMOSA CREEK ABOVE TERRACE RESERVOIR	7,543	66
		TRINCHERA CK	2,335	83
		SANGRE DE CRISTO	1,502	73
		UTE CREEK	2,147	70
		CULEBRA CREEK AT SAN LUIS	2,128	64
		TERRACE RESERVOIR	7,300	74
		MOUNTAIN HOME	12,100	99
13010004	Saguache Creek	SAGUACHE CREEK NEAR SAGUACHE, CO	6,177	75
13010005	Conejos River	CONEJOS RIVER NEAR MOGOTE	25,118	67
		PLATORO RESERVOIR	33,900	59
14030002	Upper Dolores	DOLORES RIVER BELOW MCPHEE RESERVOIR	24,379	65
		GROUNDHOG RESERVOIR	21,300	84
		MCPHEE RESERVOIR	346,020	78
14080101	Upper San Juan	SAN JUAN RIVER NEAR CARRACAS	27,336	48
		LOS PINOS RIVER NEAR BAYFIELD	29,881	58
		VALLECITO RESERVOIR	114,600	83
14080102	Piedra River	PIEDRA RIVER NEAR ARBOLES	7,943	25
14080104	Animas River	ANIMAS RIVER AT DURANGO	64,447	56
		FLORIDA RIVER INFLOW TO LEMON RESERVOIR	7,037	62
		LEMON RESERVOIR	33,400	74
14080105	Middle San Juan	LA PLATA RIVER AT HESPERUS	1,723	59
		LONG HOLLOW RESERVOIR	1,333	50
14080107	Mancos	MANCOS RIVER NEAR MANCOS	3,089	76
		JACKSON GULCH RESERVOIR	8,800	81

HUC ID	HUC Name	Component Name	Component Volume (AF)	Component NEP for Month
10190001	South Platte Headwaters	ELEVENMILE CANYON RESV INFLOW	20,803	78
		ANTERO RESERVOIR	20,200	97
		ELEVENMILE CANYON RESERVOIR	100,200	46
		SPINNEY MOUNTAIN RESERVOIR	48,700	89
10190002	Upper South Platte	SOUTH PLATTE RIVER AT SOUTH PLATTE	42,216	65
		BEAR CREEK ABV EVERGREEN	2,808	42
		CHEESMAN LAKE	78,400	57
		DILLON RESERVOIR	251,400	98
10190003	Middle South Platte-Cherry Creek	SOUTH PLATTE RIVER AT SOUTH PLATTE	42,216	65
		BEAR CREEK ABV EVERGREEN	2,808	42
		CLEAR CREEK AT GOLDEN	28,341	56
		SAINT VRAIN CREEK AT LYONS	29,000	80
		BOULDER CREEK NEAR ORODELL	14,300	60
		SOUTH BOULDER CK NR ELDORADO SPRINGS, CO	5,181	38
		BIG THOMPSON R AT MOUTH, NR DRAKE, CO	24,500	62
		CACHE LA POUDRE R AT CANYON MOUTH	44,300	69
		BARR LAKE	19,500	55
		MILTON RESERVOIR	15,200	81
		STANDLEY RESERVOIR	41,200	57
		HORSECREEK RESERVOIR	7,700	36
10190004	Clear Creek	CLEAR CREEK AT GOLDEN	28,341	56
10190005	St. Vrain River	SAINT VRAIN CREEK AT LYONS	29,000	80
		BOULDER CREEK NEAR ORODELL	14,300	60
		SOUTH BOULDER CK NR ELDORADO SPRINGS, CO	5,181	38
		GROSS RESERVOIR	29,500	96
		MARSHALL RESERVOIR	7,800	52
		BUTTONROCK (RALPH PRICE) RESERVOIR	16,200	90
		TERRY RESERVOIR	7,400	73
		UNION RESERVOIR	12,300	65
10190006	Big Thompson River	BIG THOMPSON R AT MOUTH, NR DRAKE, CO	24,500	62
		BOYD LAKE	38,400	59
		CARTER LAKE	101,200	96
		LAKE LOVELAND RESERVOIR	9,000	64
		LONE TREE RESERVOIR	7,000	89
		MARIANO RESERVOIR	2,000	20
		LAKE GRANBY	461,300	83
		WILLOW CREEK RESERVOIR	8,300	64

HUC ID	HUC Name	Component Name	Component Volume (AF)	Component NEP for Month
10190007	Cache La Poudre	CACHE LA POUDRE R AT CANYON MOUTH	44,300	69
		BLACK HOLLOW RESERVOIR	4,400	93
		CACHE LA POUDRE	8,900	85
		CHAMBERS LAKE	6,600	59
		COBB LAKE	20,000	89
		FOSSIL CREEK RESERVOIR	7,800	64
		HALLIGAN RESERVOIR	5,200	54
		HORSETOOTH RESERVOIR	141,600	99
		WINDSOR RESERVOIR	9,200	74
10190012	Middle South Platte-Sterling	SOUTH PLATTE RIVER AT SOUTH PLATTE	42,216	65
		BEAR CREEK ABV EVERGREEN	2,808	42
		CLEAR CREEK AT GOLDEN	28,341	56
		SAINT VRAIN CREEK AT LYONS	29,000	80
		BOULDER CREEK NEAR ORODELL	14,300	60
		SOUTH BOULDER CK NR ELDORADO SPRINGS, CO	5,181	38
		BIG THOMPSON R AT MOUTH, NR DRAKE, CO	24,500	62
		CACHE LA POUDRE R AT CANYON MOUTH	44,300	69
		EMPIRE RESERVOIR	20,300	58
		JACKSON LAKE RESERVOIR	20,400	43
		JULESBURG RESERVOIR	13,400	60
		POINT OF ROCKS RESERVOIR	36,500	51
		PREWITT RESERVOIR	14,500	38
		RIVERSIDE RESERVOIR	29,900	44
10180001	North Platte Headwaters	NORTH PLATTE R NR NORTHGATE	32,528	47
14050001	Upper Yampa	YAMPA RIVER AT STEAMBOAT SPRINGS	8,951	24
		ELK RIVER NEAR MILNER, CO	35,510	48
		ELKHEAD CREEK ABOVE LONG GULCH	572	41
		STAGECOACH RESERVOIR NR OAK CREEK	35,600	99
		YAMCOLO RESERVOIR	5,200	67
14050002	Lower Yampa	YAMPA RIVER NEAR MAYBELL	44,822	42
14050003	Little Snake	LITTLE SNAKE RIVER NEAR LILY	9,003	41
14050005	Upper White	WHITE RIVER NEAR MEEKER	24,914	33

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) |

Basinwide Conditions Assessment

The SWSI value for the month was +2.5. Northeast Colorado in July 2017 displayed a marked disparity in precipitation over the area while maintaining a fairly uniform temperature pattern. Precipitation in South Park and east along the I70 corridor was above too well above normal. The areas along the eastern border of Colorado also were near normal, but the northern Front Range and eastern plains were generally below to well below normal. In contrast, temperatures over almost the entire region were slightly above normal. The exception was an area centered around Morgan County where temperatures were well above normal.

The precipitation pattern just discussed created a marked change in the USDA Drought Monitor ratings in northeast Colorado in July. At the start of July there was an area with a D0 "Abnormally Dry" rating covering most of Park and Teller Counties, but the rest of northeast Colorado had no drought rating. By the end of July, the Park and Teller County area had disappeared, but a D0 rating extended north from the Denver metro area along the Front Range and eastern plains to Wyoming with another D0 area covering most of Logan, Phillips and Sedgwick Counties.

The flows at both the Kersey and Julesburg index gages were below average for July. The Kersey gage did manage to have 4 days of above average flow at the end of July, but Julesburg had no average or above average flows in July. The Julesburg flows were all also below the 120 cfs flow that triggers curtailment of Colorado water rights junior to June 14, 1897 in Water District 64 under the South Platte River Compact. That curtailment was done to keep Colorado in compliance with the terms of the Compact. The overall July mean flow at the Julesburg gage was about 61 cfs. This represents a flow of 20% of the long term mean flow of 311 cfs. The overall July mean flow at the Kersey gage was about 403 cfs or 60% of the long term mean flow of 675 cfs.

In a bit of an anomaly, the very low stream flows at the Kersey and Julesburg gages were not reflected in the seniority of calls on the mainstem and most of the major tributaries. In fact, there was the very odd circumstance where there were no internal calls on Clear Creek for the entire month! Clear Creek was entirely controlled by the South Platte calls in July. The calls on the mainstem were somewhat more junior than would normally be expected in July, probably at least partially because of the well above average precipitation South Park in July keeping the upper mainstem well supplied with water. However, the South Platte Compact call was on for the entire month of July. Most of the major tributaries were internally controlled in July.

While the dry conditions on the plains and northern Front Range did result in reservoir releases, primarily for irrigation, overall South Platte storage ended July 2017 in pretty good shape. The overall end of July storage was 83% of capacity. This is better than the long term average end of July storage of 72% of capacity.

SOUTH PLATTE RIVER NR. KERSEY, FLOW BY WATER YEAR

REPRESENTATIVE RESERVOIRS

South Platte Basin SWSI History

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

South Platte-Data Composite-SWSI

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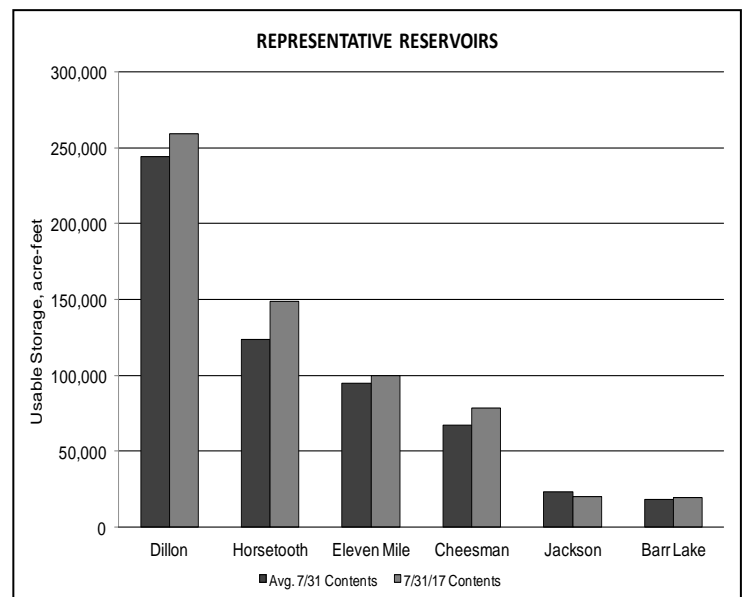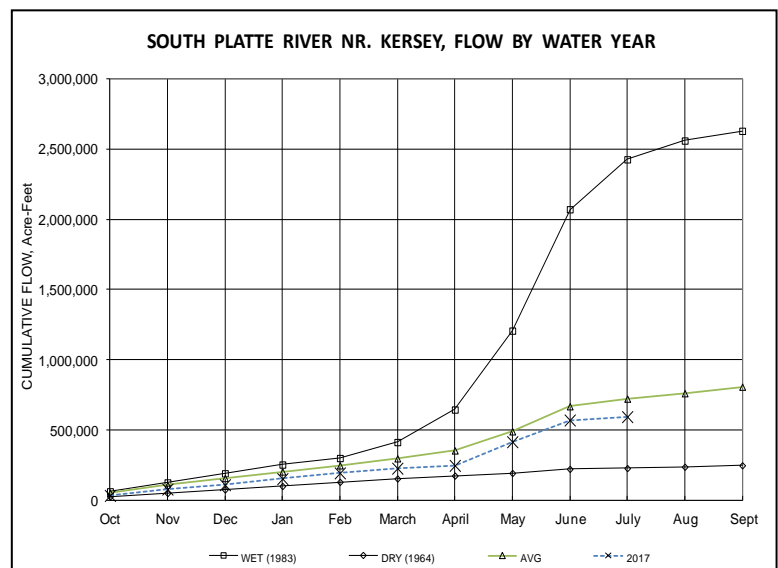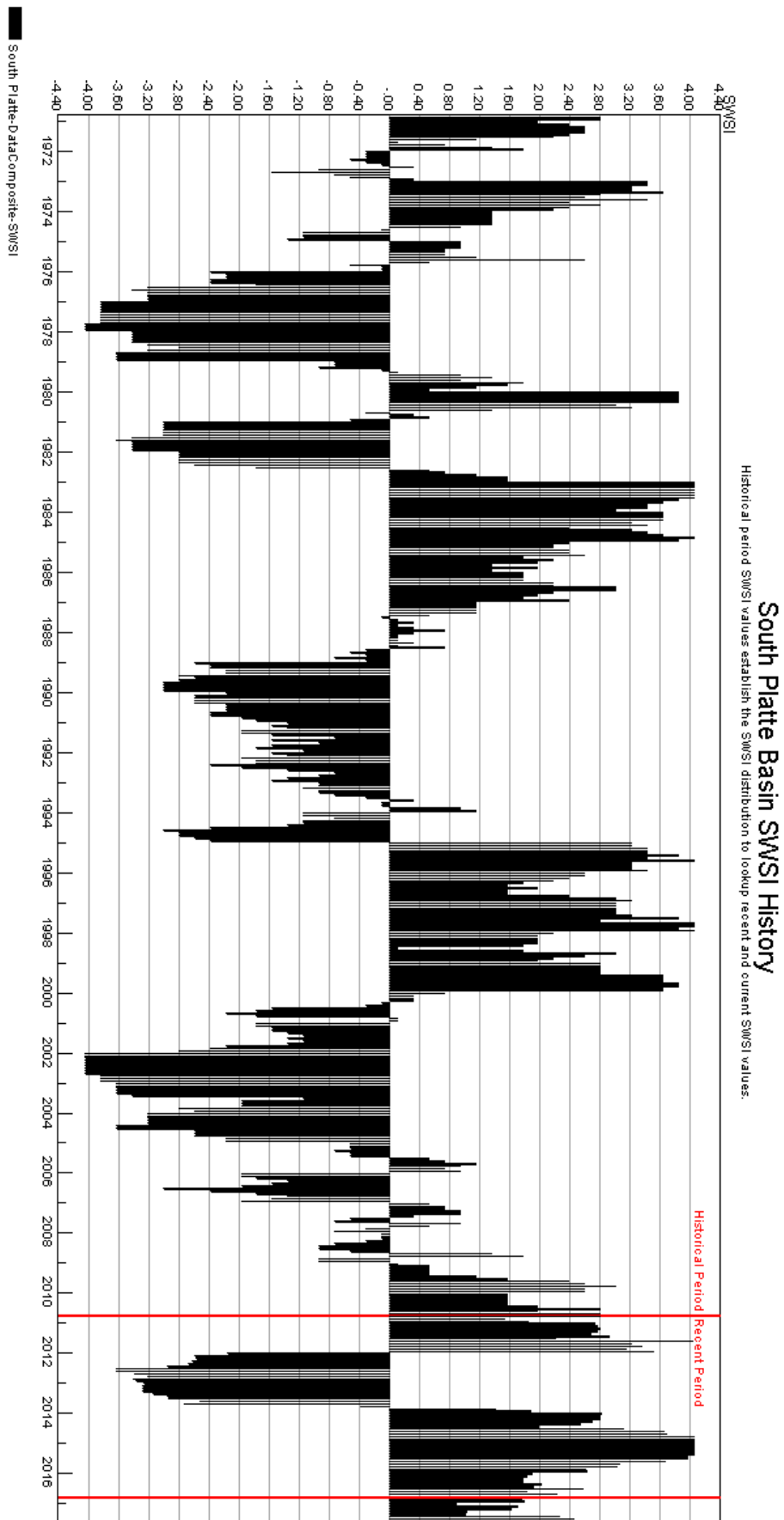
Basinwide Conditions Assessment

The SWSI value for the month was +2.7.

Outlook

River flow remained fairly strong in July with calls ranging from 3/1/1887 (Fort Lyon Canal) to 8/1/1896 (Amity Great Plains) during the month for the mainstem above John Martin Reservoir.

Administrative/Management Concerns

Some concern about flooding associated with the 2016 fire burn areas (Hayden Pass, Beulah Hills and Junkin) has existed in 2017 and some flood damage has occurred with the monsoonal moisture flow through southeastern Colorado dropping some rain on these areas.

Imports via the Fryingpan-Arkansas Project were less than projected causing the Southeastern Colorado Water Conservancy District to again freeze the final 20% of the 2017-18 allocation as occurred during 2016-17. This water supply provides supplemental irrigation water and well augmentation and return flow maintenance water that are important to the water rights within the SECWCD boundaries.

ARKANSAS RIVER NR. PORTLAND, FLOW BY WATER YEAR

REPRESENTATIVE RESERVOIRS

Arkansas Basin SWSI History

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

Arkansas-DataComposite-SWSI

12
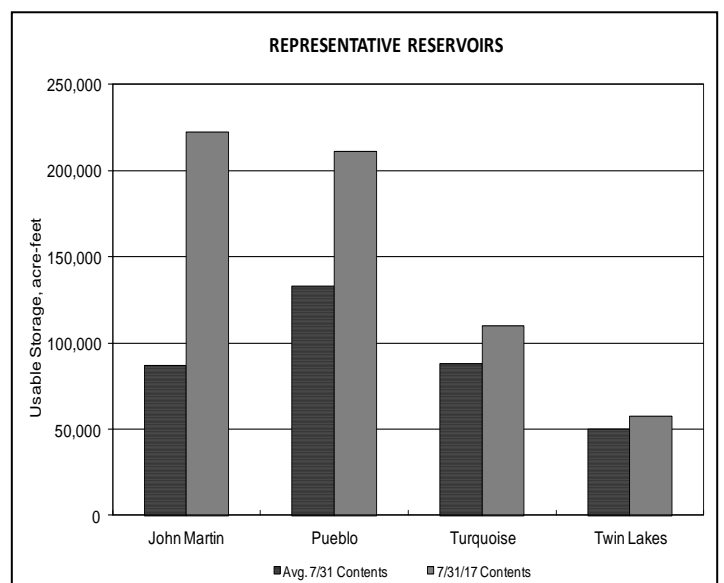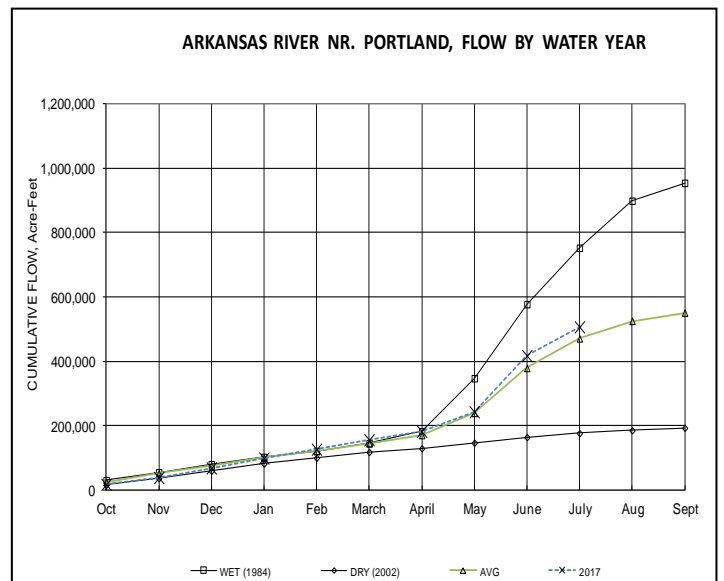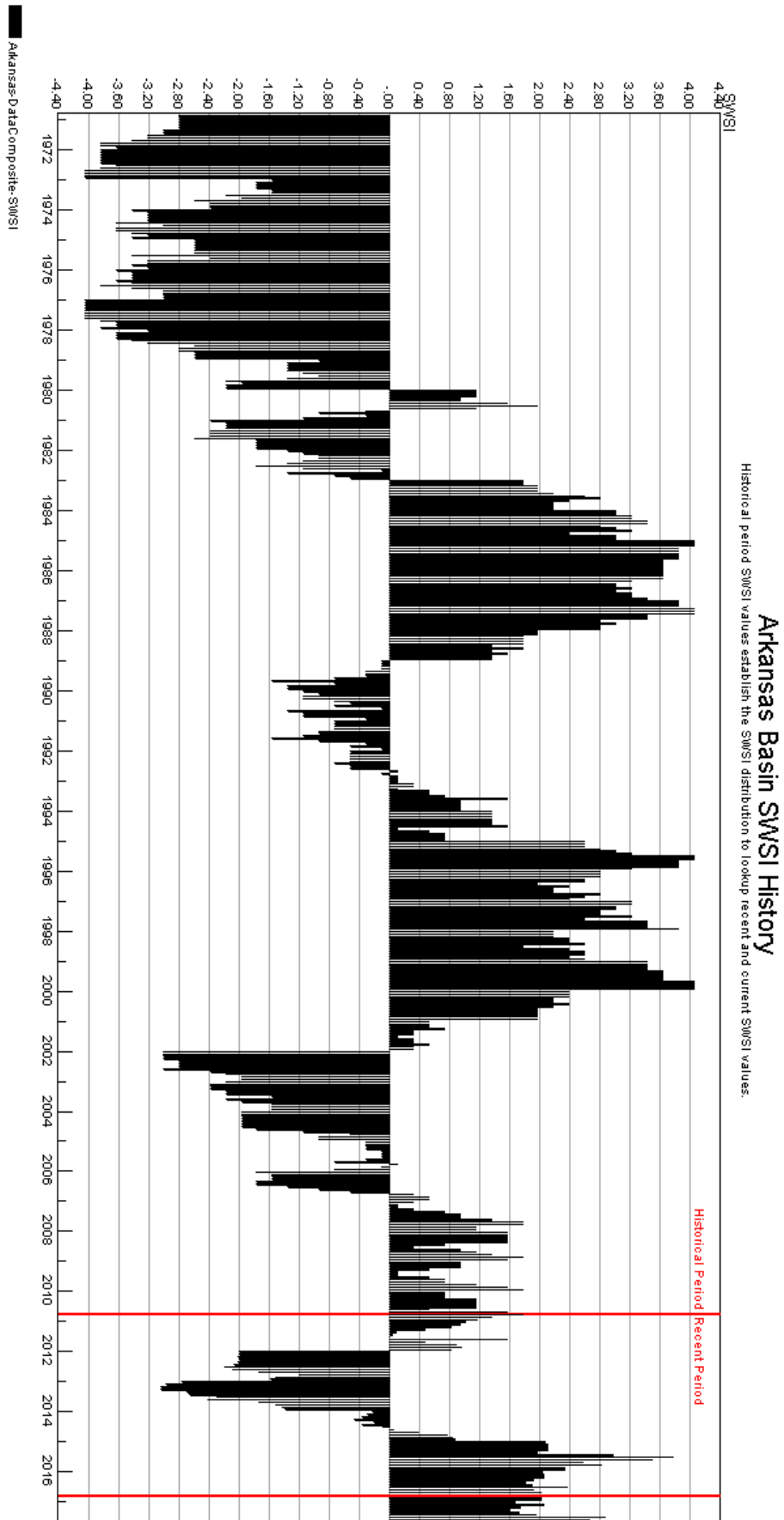
Basinwide Conditions Assessment

The SWSI value for the month was +1.5. Flow at the gaging station Rio Grande near Del Norte averaged 910 cfs (72% of normal). The Conejos River near Mogote had a mean flow of 510 cfs (113% of normal). Streamflow in the upper Rio Grande basin was generally below long-term average levels through July 15. A series of frequent rainstorms in the second half of the month increased streamflow throughout the basin. The Sangre de Cristo Range had an excellent month of rain and flow. The rain occurred often enough and with enough intensity to create maximum 2017 streamflow in Carnero and La Garita Creeks during late July. At the close of the month, all stream gauges had above normal flow with the exception of just a few, including the Rio Grande near Del Norte.

Precipitation during July was generally more than the long-term average in the San Luis Valley. Sudden thunderstorms battered locations throughout the San Luis Valley during July. Storms producing intense enough rain to cause local flooding occurred near Fort Garland, Monte Vista, and Alamosa. The monthly total of 3.52 inches set a new record for July rainfall in Alamosa. The year-to-date precipitation total in Alamosa is now almost eight inches – more than the normal annual accumulation. The higher elevations had frequent small storms, creating short-term runoff increases or "spikes" in the hydrograph. The duration of these spikes were typically about 24 hours apiece, but the frequency of the rain has now increased baseflow conditions throughout the basin.

Outlook

Recent NOAA weather forecasts for the next 60 days call for wetter and warmer than normal conditions for the upper Rio Grande basin. Starting in November, NOAA is suggesting a drying pattern through April, 2018.

Administrative/Management Concerns

July had normal administrative duties with reservoir releases, streamflow measurement, headgate diversion record- keeping, and well measurement rule compliance checking. Water delivery to the State Line has been more than adequate to keep up with the expected Compact delivery requirement for 2017.

Administrative/Management Concerns

The persistent rain in the second half of July allowed junior ditches to come back into priority. However, alfalfa and hay growers were unable to cut or bale on their normal schedule. This will create a big economic loss for Valley feed farmers.

RIO GRANDE NR. DEL NORTE, FLOW BY WATER YEAR

REPRESENTATIVE RESERVOIRS

Rio Grande Basin SWSI History

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

Rio Grande-Data Composite-SWSI

Historical Period Recent Period

SWSI

14
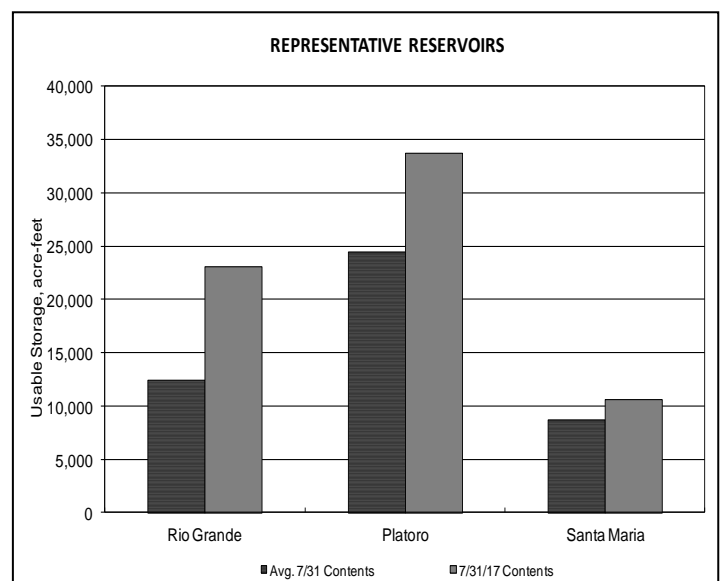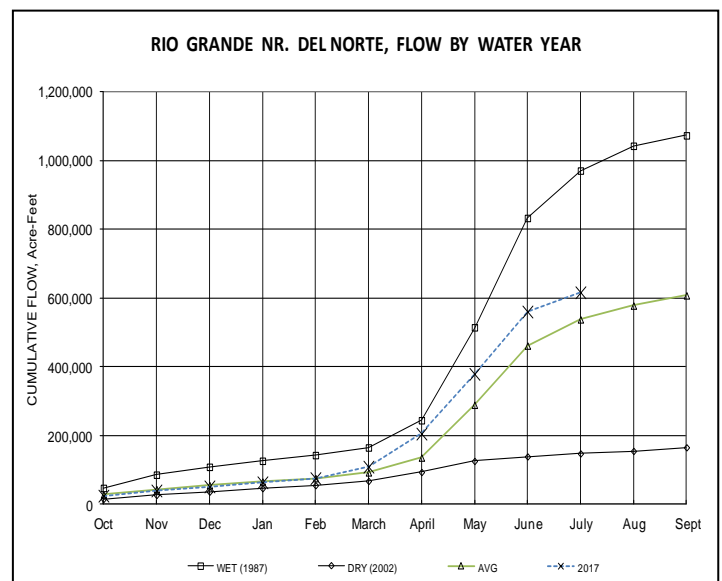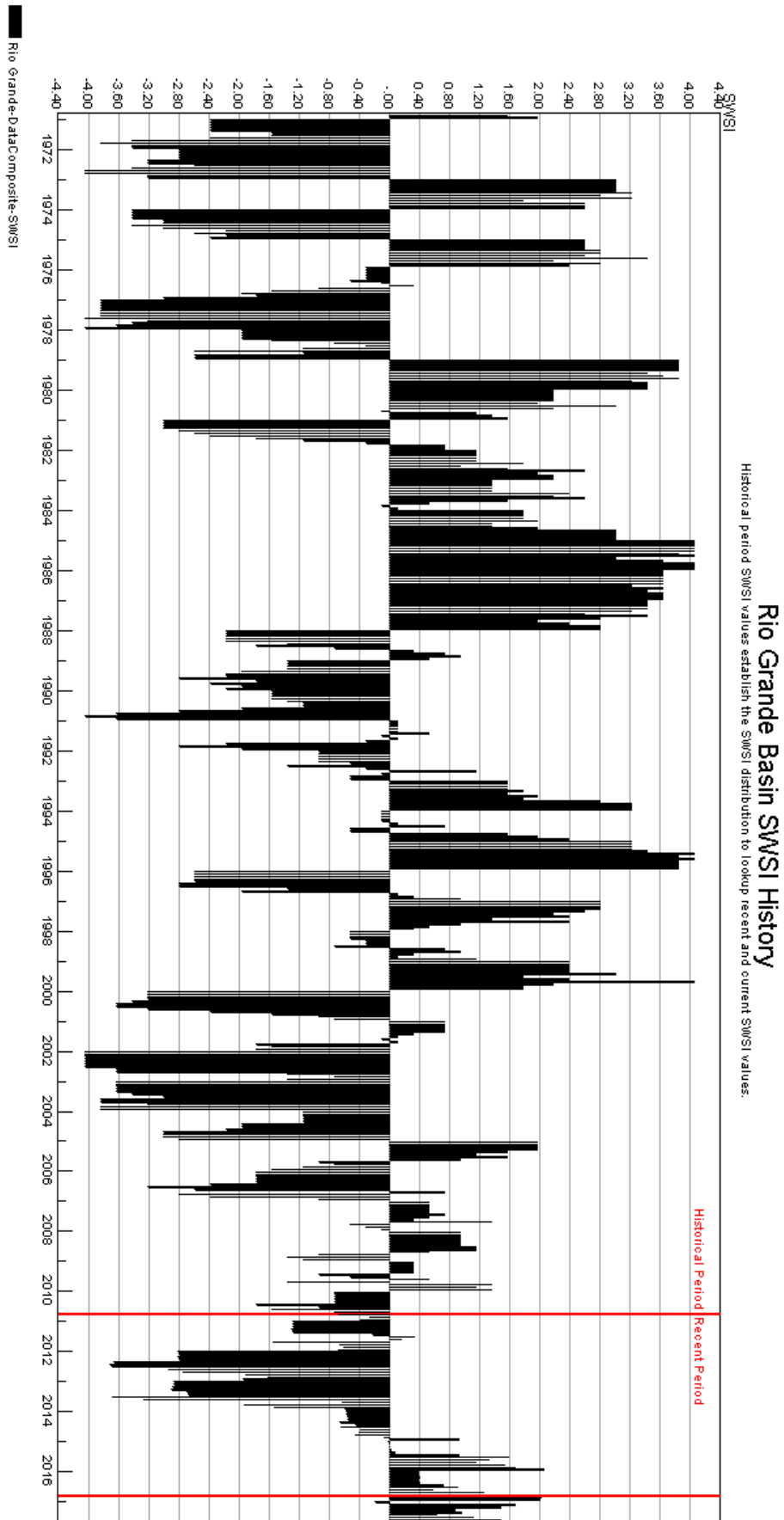
Basinwide Conditions Assessment

The SWSI value for the month was +1.9. While the beginning of July continued dry and hot over the entire Gunnison basin, the monsoon arrived in mid-July, providing much welcome precipitation. Southern and eastern tributaries, such as the Cimarron River and Tomichi Creek, received the most precipitation at between 150 and 200% of the 30-year average. Temperatures during the period were average to slightly below average.

Outlook

The most recent NWS forecast for August through October includes an area of greater than equal chances of above average precipitation centered on the four corners. The forecast also includes above average chances for greater than average temperatures in the Gunnison basin.

Administrative/Management Concerns

Diversions into the Gunnison Tunnel averaged 1,000 cfs for the month of July and were completely satisfied by calculated inflow to the Aspinall Unit. In fact, inflows to the Aspinall Unit have exceeded diversions at the Gunnison Tunnel by a minimum of 855 cfs through August 1st. As a result, no storage from any accounts have been used to fill the Gunnison Tunnel demand.

Due to ample snowmelt and the additional monsoon precipitation in July, on August 11th the water surface in Blue Mesa Reservoir is within 11 inches of the spillway, which corresponds to 821,839 acre-feet of active storage. Silver Jack Reservoir began declining in elevation on July 13th due to the release of storage, but increased by almost 6 inches between July 26th and 31st because of inflow from monsoon rains.

Irrigators in the Surface Creek valley began using storage water in July to satisfy demand, however, that demand decreased late in the month due to monsoon rainfall. The USBR and the Fire Mountain Canal and Reservoir Company are planning a project to reconstruct the outlet at Paonia Reservoir, which may require additional releases from the Reservoir in order to drop the Reservoir to the outlet elevation. These additional releases would satisfy demand and provide a rare late summer period without a call on the North Fork Gunnison River.

Public Use Impacts

Releases through the Gunnison Gorge stabilized, remaining between 950 and 1000 cfs during July. This is higher than average, but provides a quality boating and fishing experience in Curecanti National Recreation Area. Taylor Park Reservoir releases also stabilized during July and averaged just over 400 cfs.

UNCOMPAHGRE RIVER NR. RIDGWAY, FLOW BY WATER YEAR

REPRESENTATIVE RESERVOIRS

15

Gunnison Basin SWSI History

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

Gunnison-DataComposite-SWSI

16
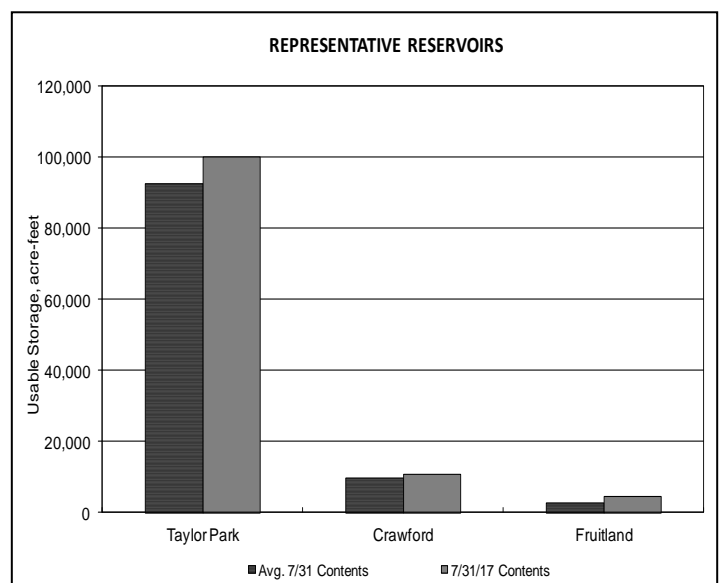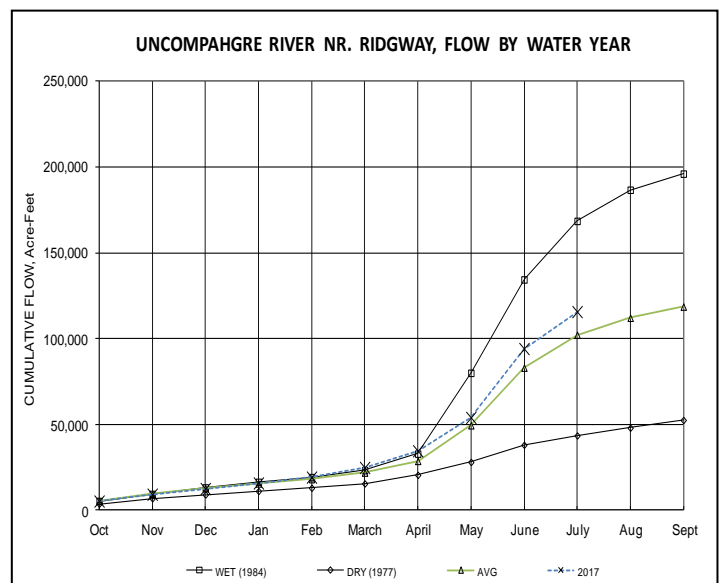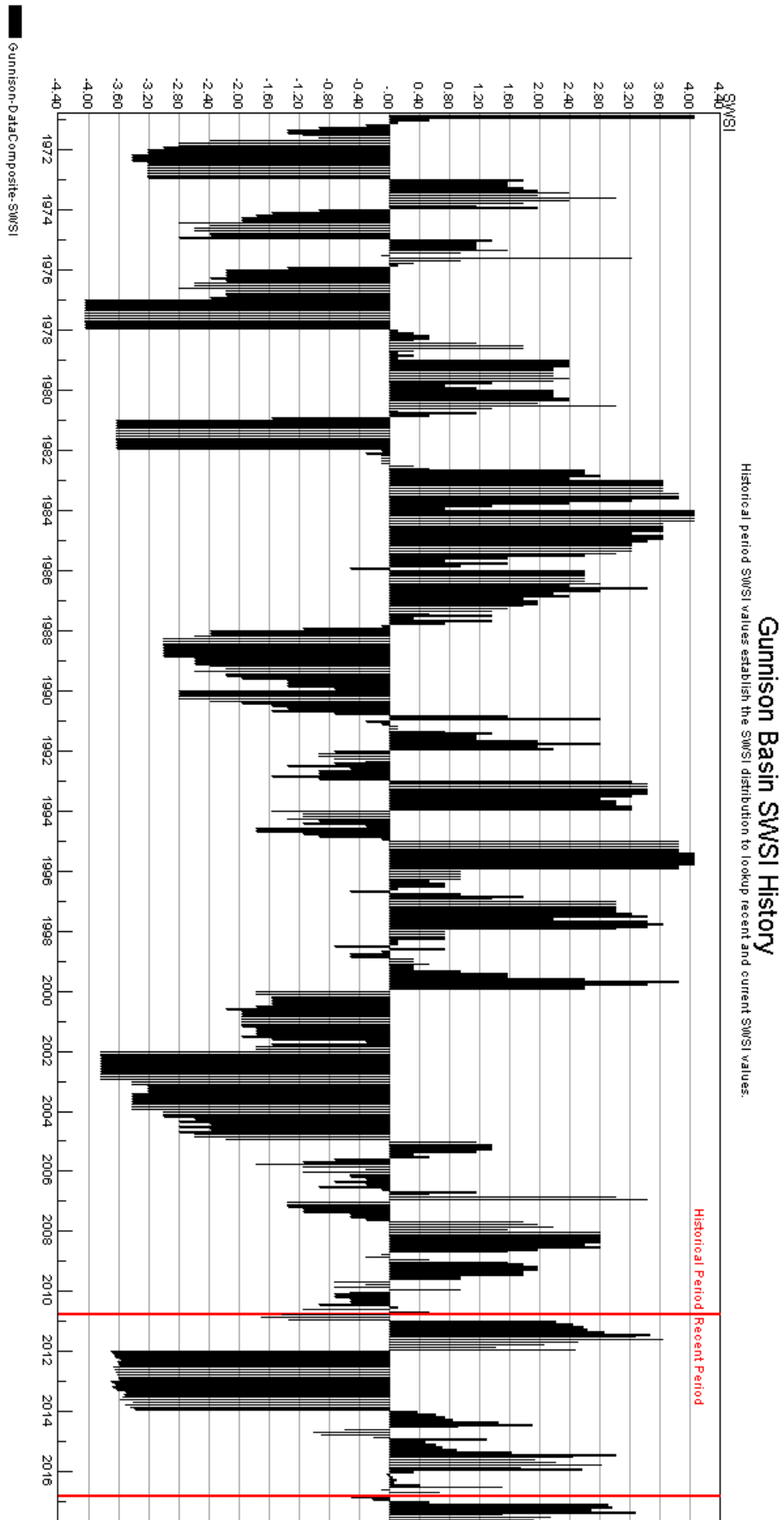
Basinwide Conditions Assessment
The SWSI value for the month was +0.1.

Outlook
Colorado River flows are running above average with tributary flows also running above average and forecasted to remain above average throughout August. Above average temperatures and below normal precipitation are forecast for August. Reservoir releases in general, will gradually decrease throughout August as inflows fall.

Administrative/Management Concerns
As of August 11, there is no call on the Colorado River.   Grand Valley Irrigation diversions (Government Highline/Orchard Mesa Irrigation, Grand Valley Irrigation canals) continue at or near full capacity. Green Mountain releases have generally been decreasing although have started releasing surplus water from the HUP pool for the benefit of the Endangered Fish Recovery. Wolford Mountain releases have been fluctuating to accommodate maintenance on the main gate.

Public Use Impacts
Aspen water managers are looking at their future water supply using 50 year projections of the worst case scenario of climate change. Those projections include natural spring runoff arriving 6 weeks earlier and being reduced by half in addition to a population growth from 6,800 to 8,400. That would increase water demands from 3,500 annual acre feet to 6,320 acre feet causing Aspen to experience water shortages in 19 out of 25 years.

COLORADO RIVER NR. DOTSERO, FLOW BY WATER YEAR

REPRESENTATIVE RESERVOIRS

Colorado Basin SWSI History

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

■ Colorado-DataComposite-SWSI

18
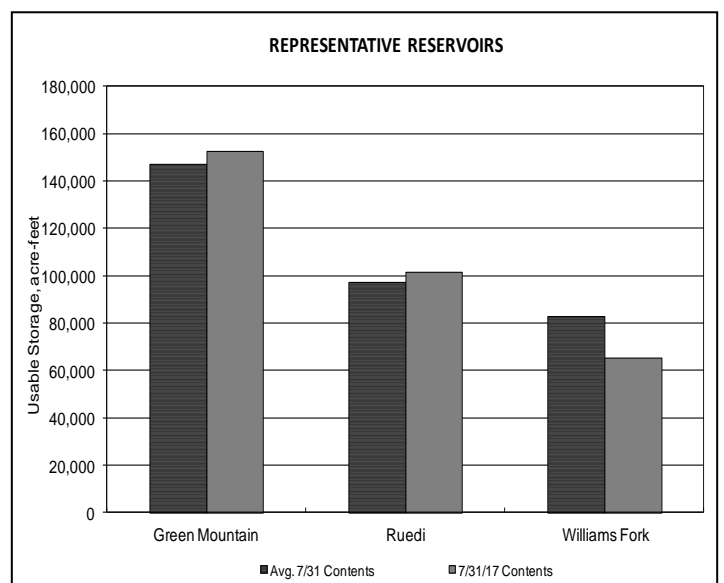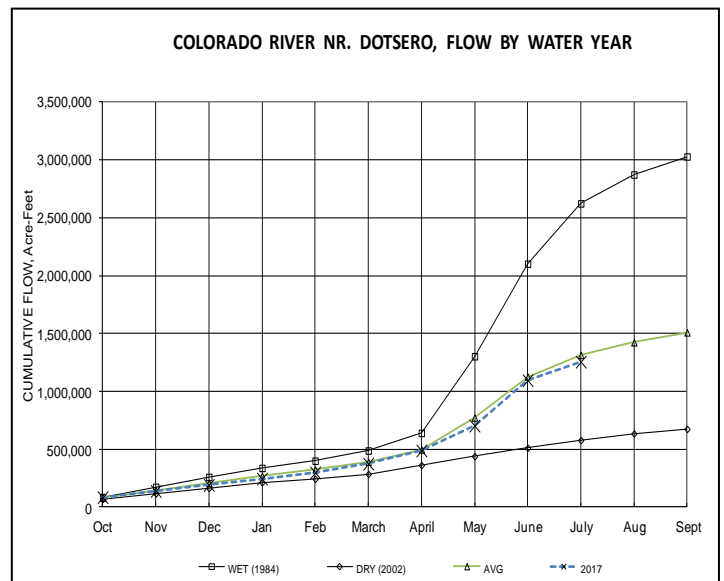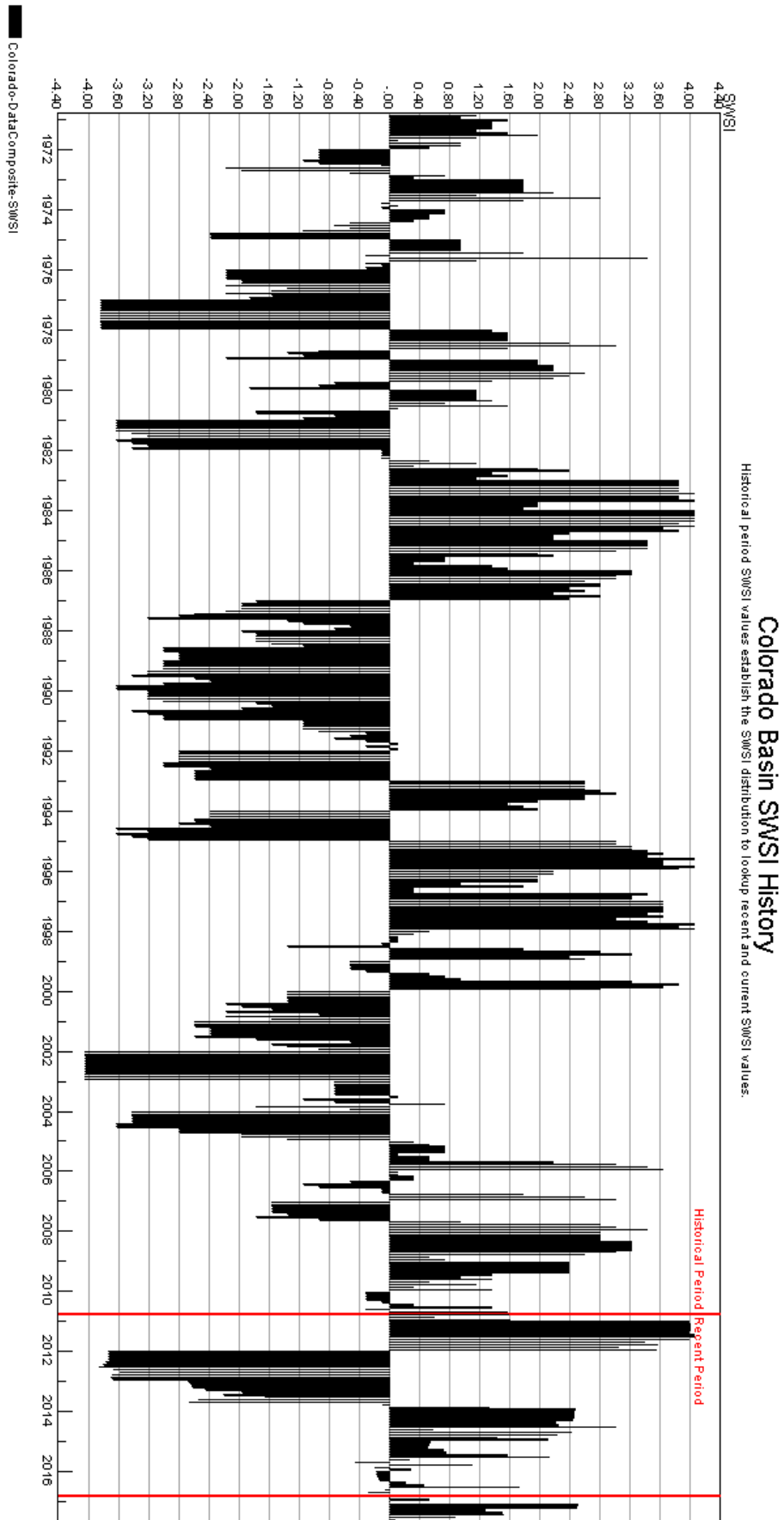
Basinwide Conditions Assessment

The SWSI value for the month was -0.4.

July precipitation was above average in the Yampa, White, and North Platte River basins. Precipitation for the month, as measured at the SNOTEL sites operated by NRCS, was reported at 110% of average for the Yampa, White, and North Platte River basins. Total precipitation for the water year as a percent of average to date in the combined basins at the end of July was 104%.

All Division 6 stream gages are open with the exception of the Willow Creek gage below Steamboat Lake due to maintenance on the dam.

Outlook

As of July 31st Fish Creek Reservoir was storing approximately 3,126 AF, 75% of capacity. The capacity of Fish Creek Reservoir is 4,167 AF. Yamcolo Reservoir was storing 5,200 AF at the end of July 2017. The capacity of Yamcolo Reservoir is 8,700 AF. The G3 web server is not functioning currently for Elkhead Creek Reservoir. The capacity of Elkhead Creek Reservoir is 24,778 AF. On July 31, 2017, Stagecoach Reservoir was storing 35,100 AF, 97% of capacity.

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

Boat ramps at Stagecoach Reservoir State Park are now open through October 31st. Campgrounds and the swim beach are also open. Reservations are encouraged. Please check the Stagecoach Reservoir State Park website for a detailed fishing report or call 970-879-6552 for the latest fishing conditions.

Steamboat Lake has all campgrounds open. Boating and swimming are open for the summer. The Steamboat Lake Dam will be undergoing a year-long project to complete required maintenance and repairs. Sage Flats day use area and all access to the dam will be closed for the year. All other Park facilities and activities will be open and available.

Yampa-White Basin SWSI History

Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.
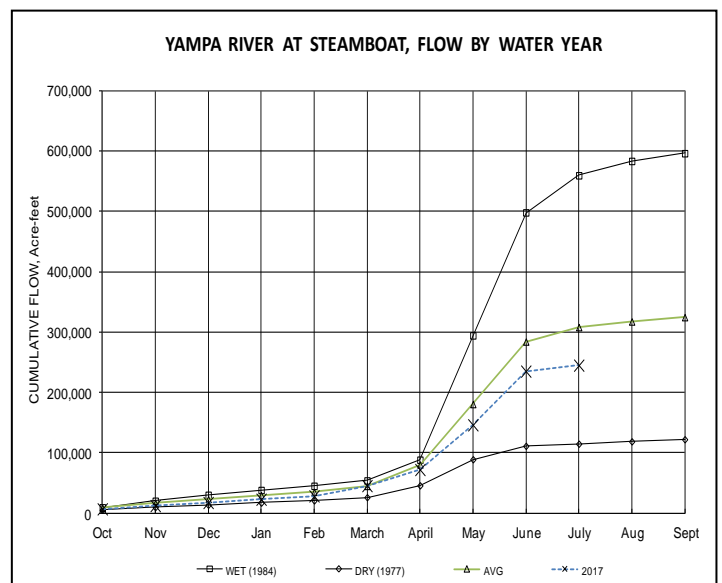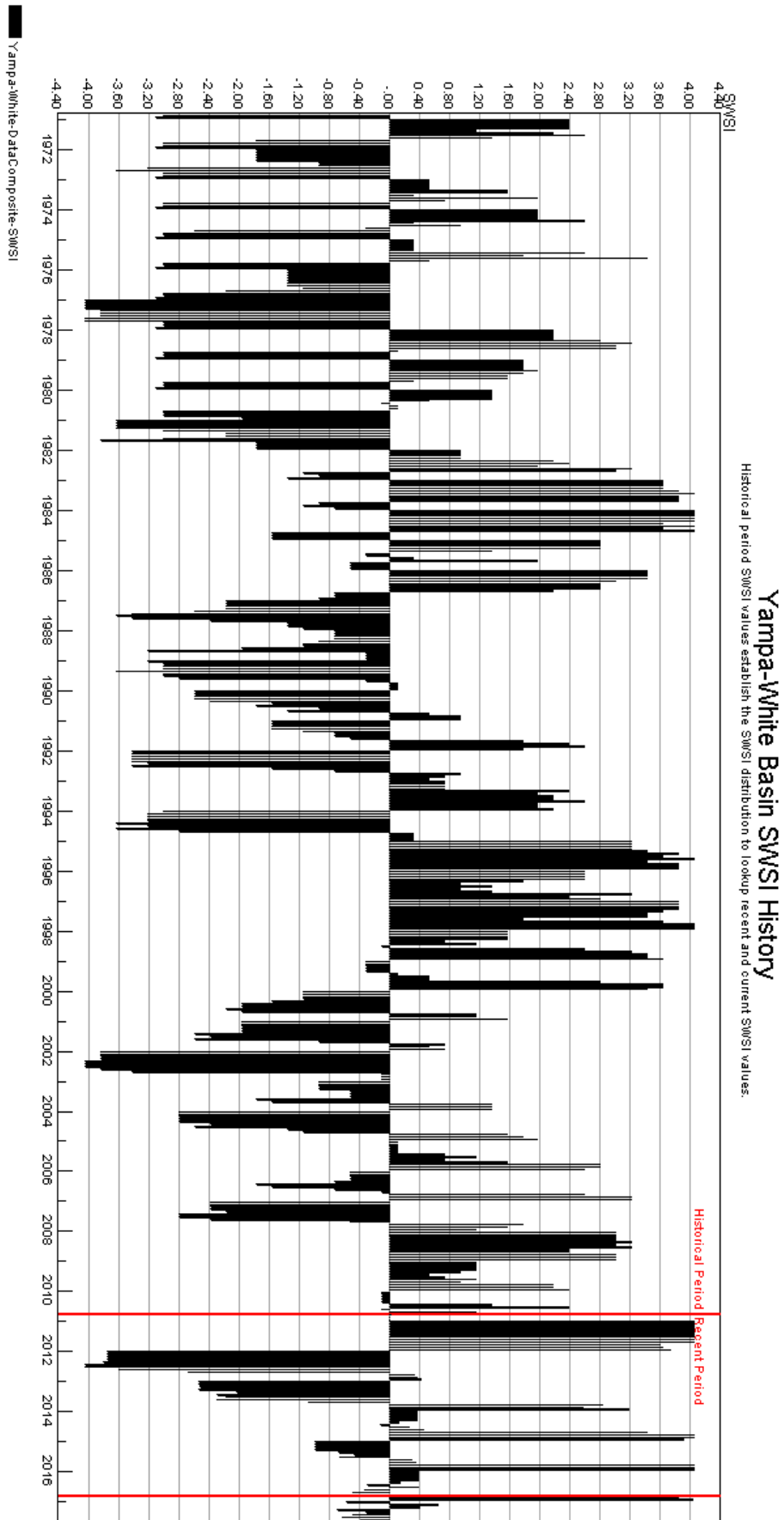
Basinwide Conditions Assessment
The SWSI value for the month was +2.4. Flow at the Animas River at Durango averaged 1,048 cfs (92% of average). The flow at the Dolores River at Dolores was estimated to average 421 cfs (110% of average). The La Plata River at Hesperus averaged 28 cfs (78% of average). Precipitation in Durango was 2.40 inches for the month, 126% of the 30-year average of 1.92 inches. Precipitation was the 36th highest amount recorded in July, in Durango, out of 123 years of record. Precipitation to date in Durango, for the water year, is 17.08 inches, 113% of the 30-year average of 15.10 inches. End of last month precipitation to date, for the water year was 111% of average. The average high and low temperatures for the month of July in Durango were 88° and 54°. In comparison, the 30-year average high and low for the month is 86° and 54°. At the end of the month Vallecito Reservoir contained 115,390 acre-feet compared to its average content of 89,600 acre-feet (129% of average). McPhee Reservoir was up to 346,213 acre-feet compared to its average content of 309,689 (112% of average), while Lemon Reservoir was up to 33,720 acre-feet as compared to its average content of 26,892 acre-feet (125% of average).

Outlook
Precipitation (2.40 inches) was above average for July in Durango. The monsoon rains typically begin in July and this year was no exception. There were 36 years out of 123 years of record where there was more precipitation than this year. The flows in the rivers within the basin were near average for this time of year. There was only 49 out of 106 years of record where the total flow past the Animas River at Durango stream gauge was more than this year. There were 35 out of 107 years of record where the total flow past the Dolores stream gauge was more than this year and 45 out of 100 years of record where the total flow past the La Plata River at Hesperus gauge was more than this year.

ANIMAS RIVER NR. DURANGO, FLOW BY WATER YEAR

REPRESENTATIVE RESERVOIRS

San Juan-Dolores Basin SWSI History

Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.
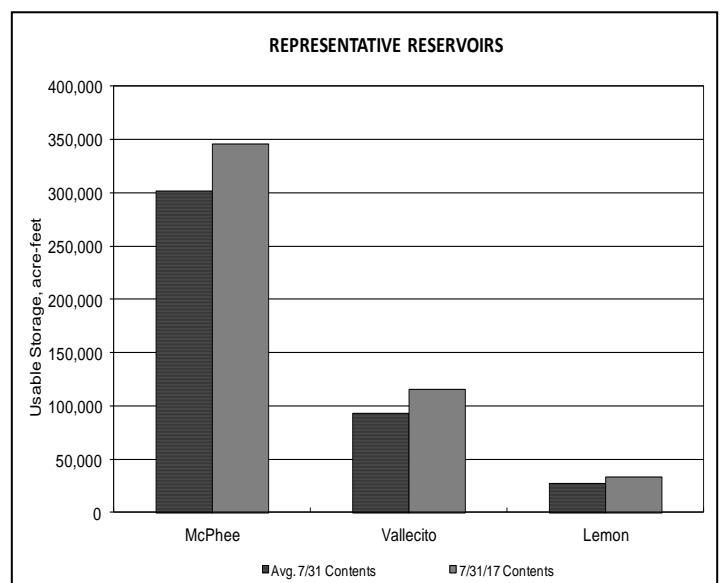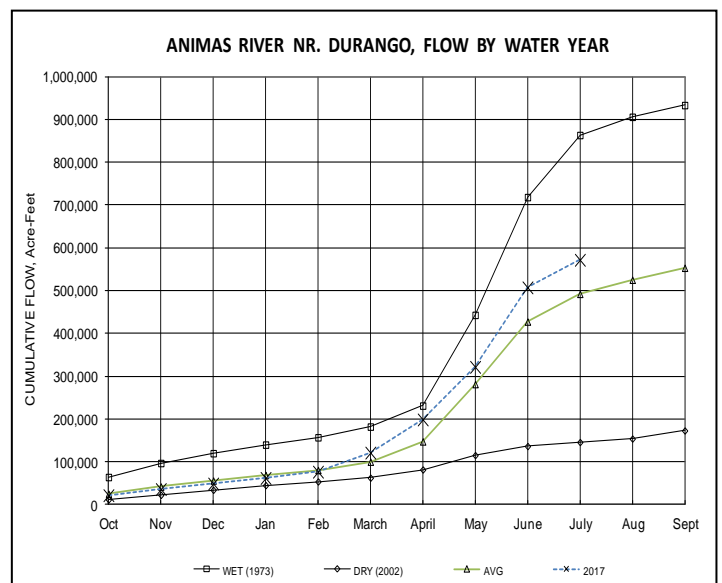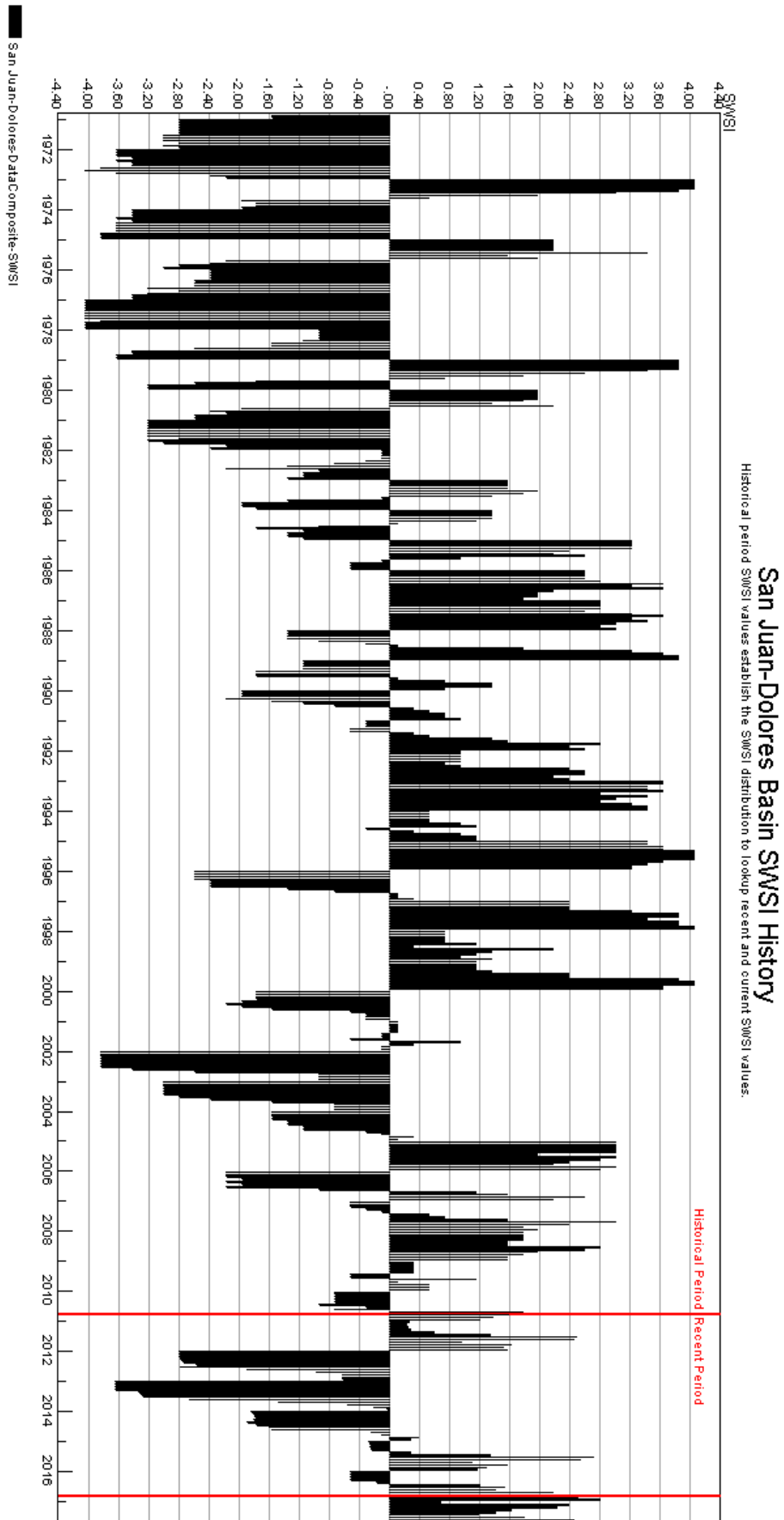
HUC 10190012 (Middle South Platte-Sterling) Surface Water Supply

Monthly component volumes
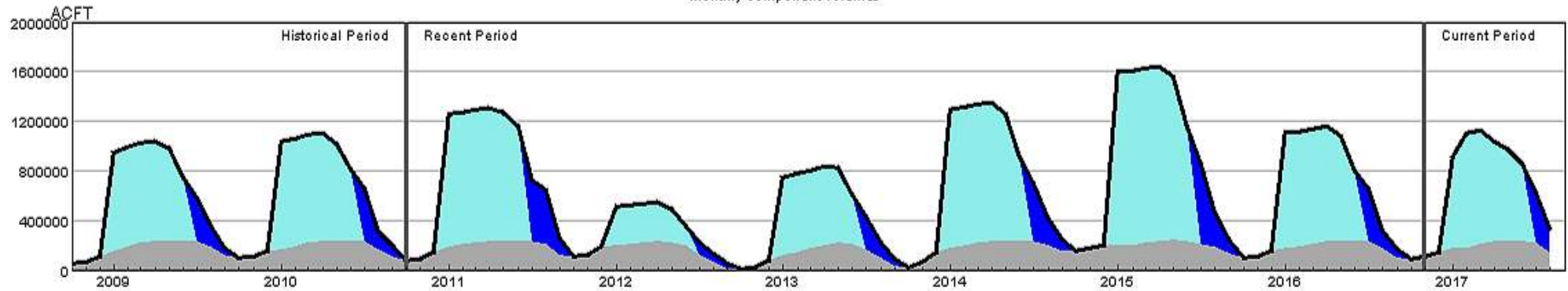
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- HUC:10190012-Component-PrevMoStreamflow
- HUC:10190012-Component-ForecastedRunoff
- HUC:10190012-Component-ReservoirStorage

HUC 10190012 (Middle South Platte-Sterling) SWSI

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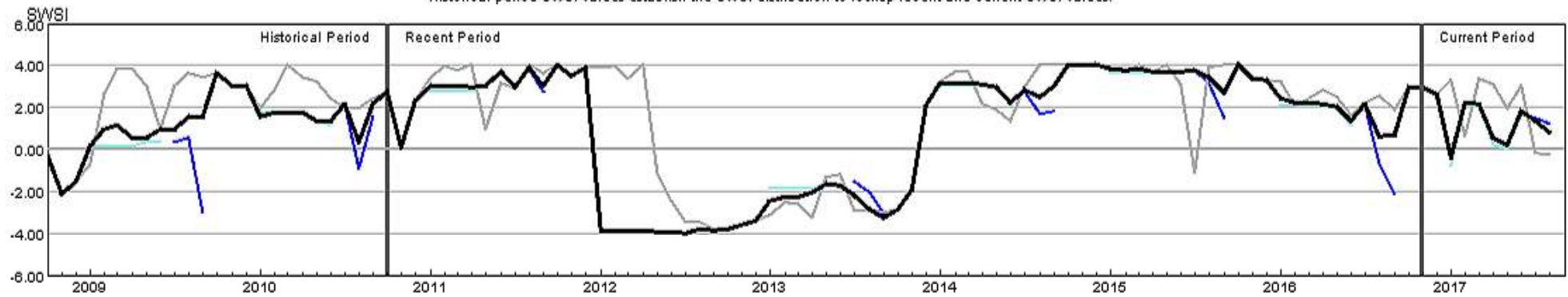
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- HUC:10190012-ForecastedRunoff-SWSI
- HUC:10190012-ReservoirStorage-SWSI
- HUC:10190012-DataComposite-SWSI

HUC 14010003 (Eagle) Surface Water Supply
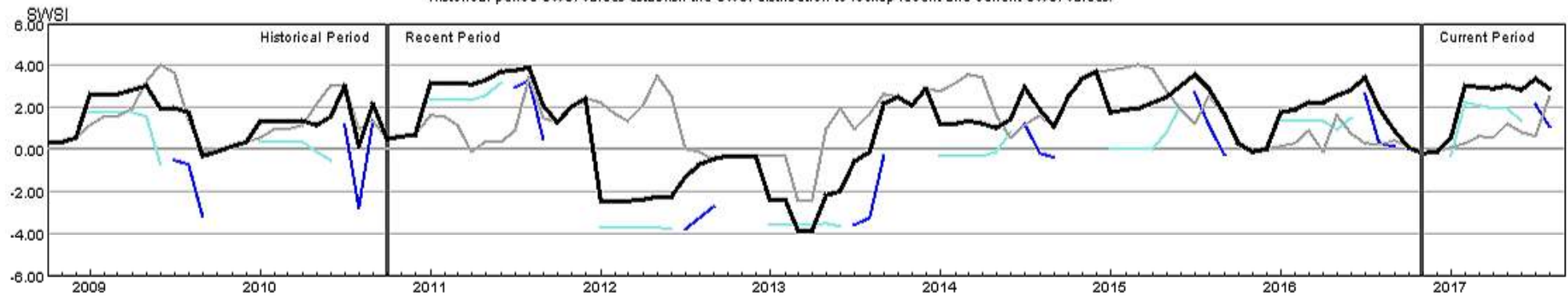Monthly component volumes

ACFT

Historical Period | Recent Period | Current Period
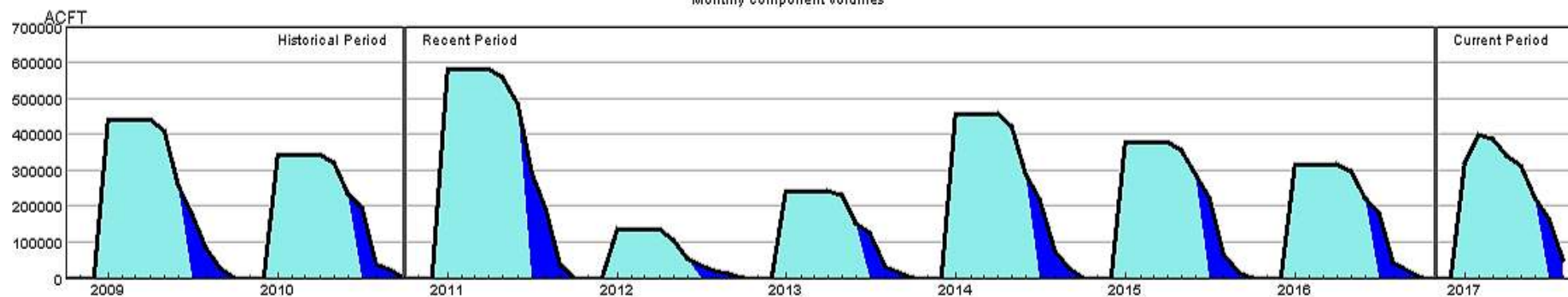
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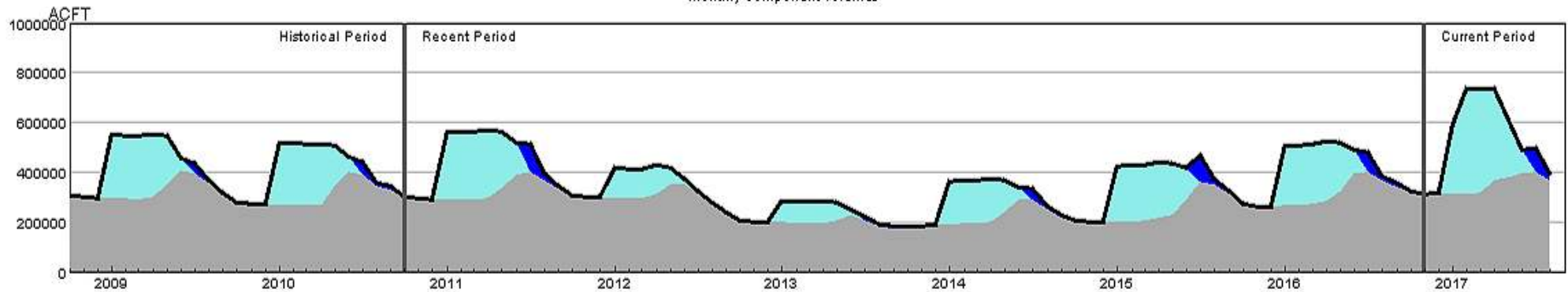HUC:14010003-Component-ReservoirStorage

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

SWSI

Historical Period | Recent Period | Current Period
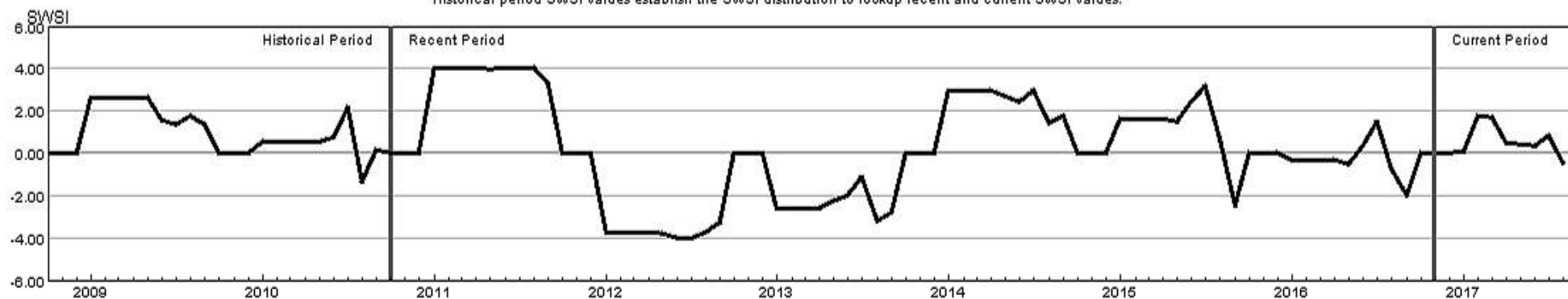
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HUC:14010003-ForecastedRunoff-SWSI
HUC:14010003-ReservoirStorage-SWSI
HUC:14010003-DataComposite-SWSI

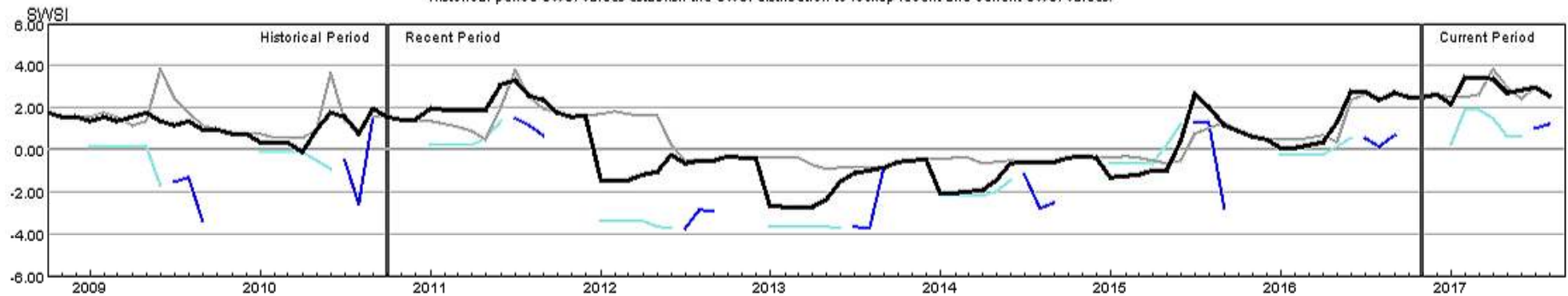HUC 14010004 (Roaring Fork) Surface Water Supply
Monthly component volumes
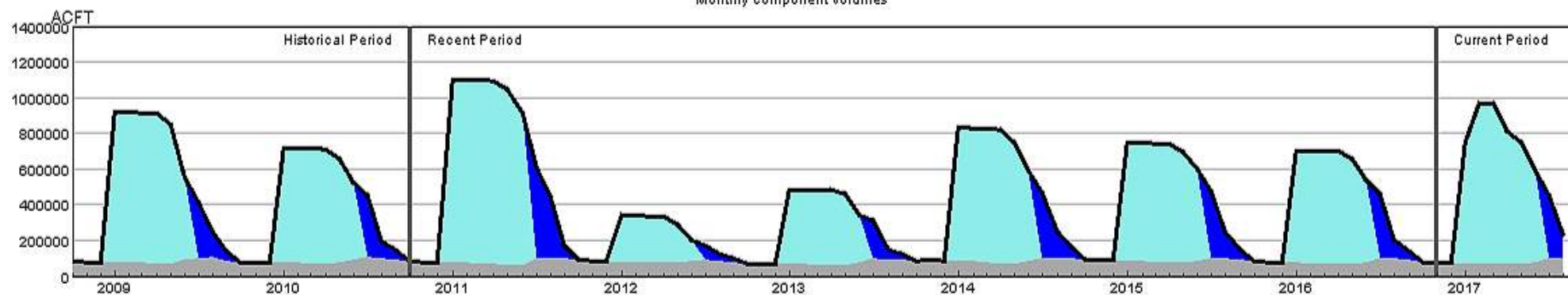
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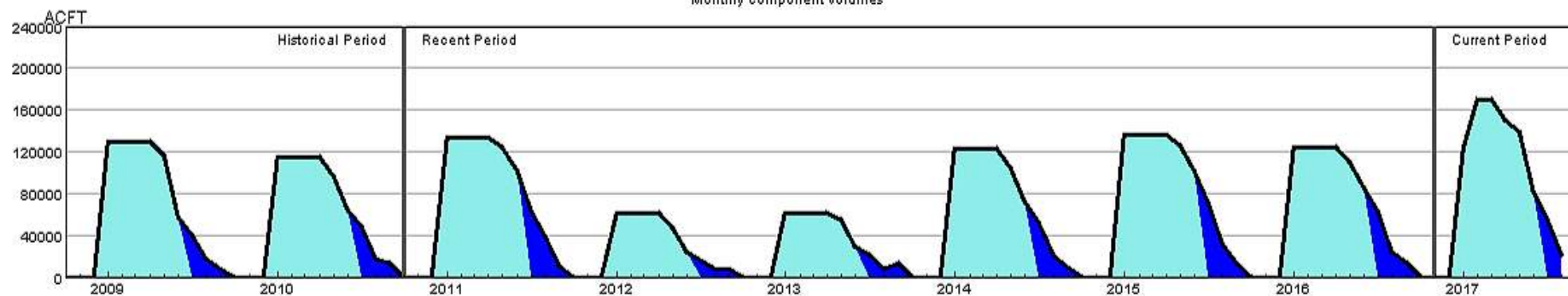
HUC 14010004 (Roaring Fork) SWSI
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.
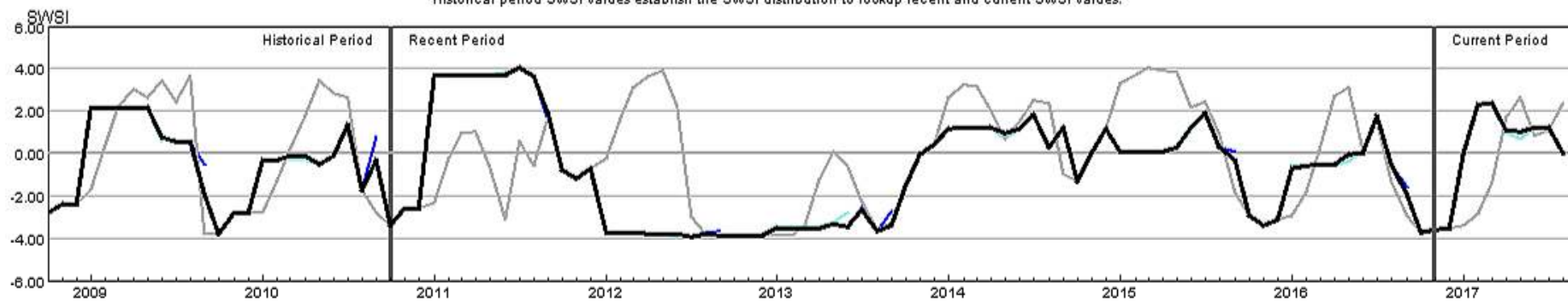
HUC:14010004-PrevMoStreamflow-SWSI
HUC:14010004-ForecastedRunoff-SWSI
HUC:14010004-ReservoirStorage-SWSI
HUC:14010004-DataComposite-SWSI

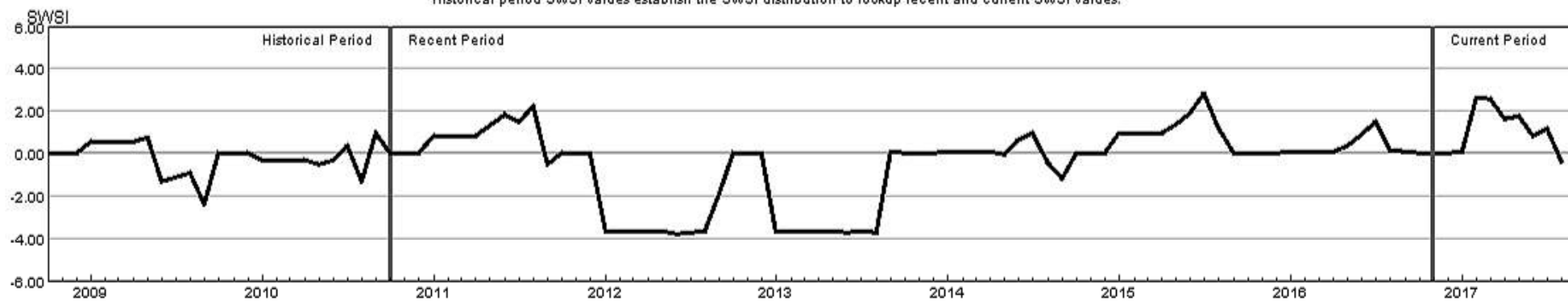# HUC 14010005 (Colorado Headwaters-Plateau) Surface Water Supply

Monthly component volumes
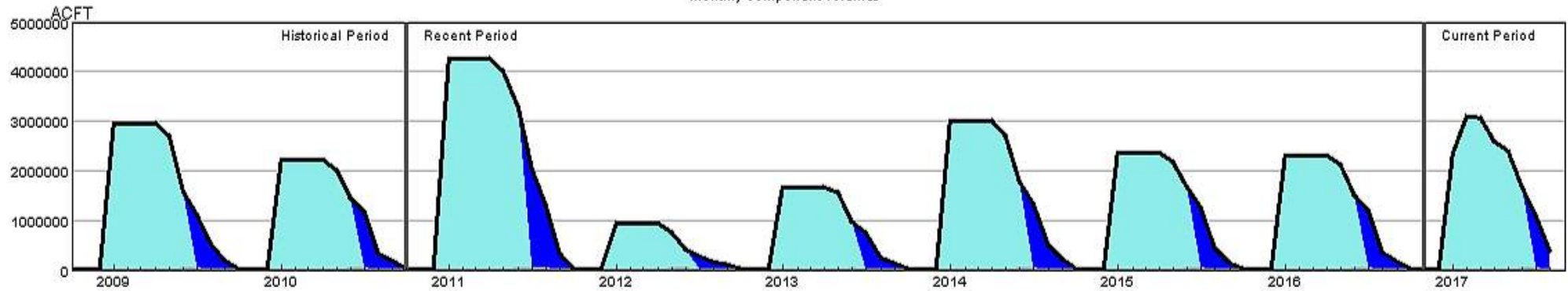
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HUC:14010005-Component-ReservoirStorage

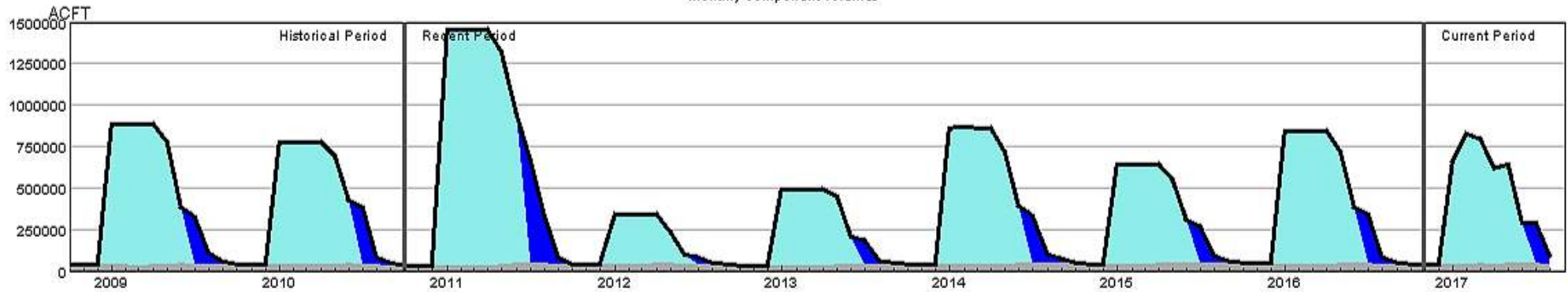# HUC 14010005 (Colorado Headwaters-Plateau) SWSI

Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.
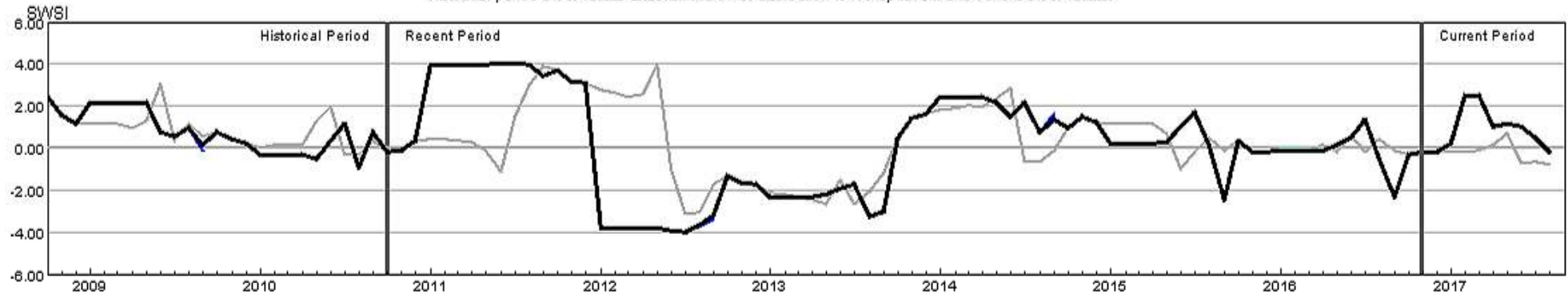
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HUC:14010005-ForecastedRunoff-SWSI
HUC:14010005-ReservoirStorage-SWSI
HUC:14010005-DataComposite-SWSI

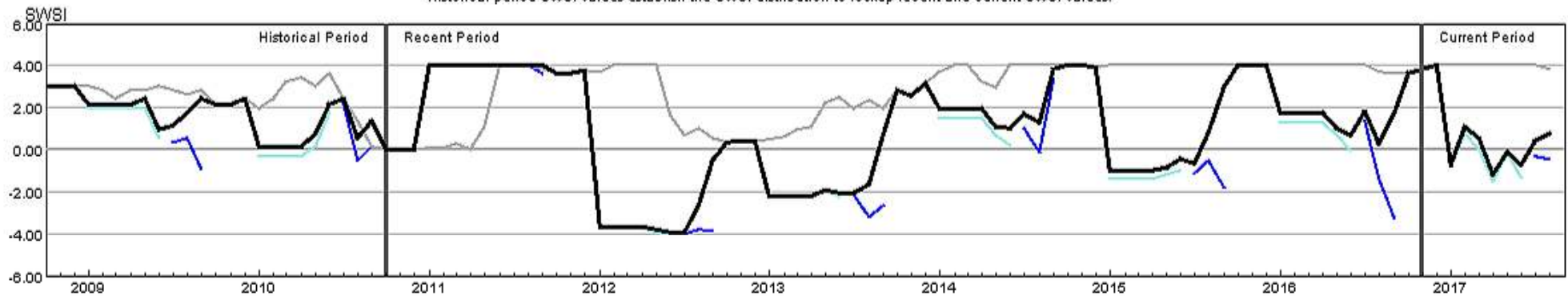**HUC 14020001 (East-Taylor) Surface Water Supply**
Monthly component volumes
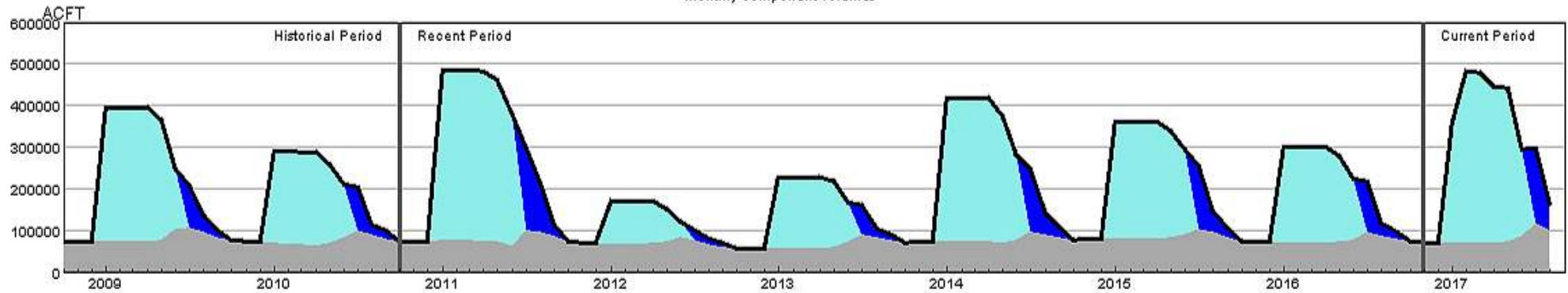
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HUC:14020001-Component-PrevMoStreamflow
HUC:14020001-Component-ForecastedRunoff
HUC:14020001-Component-ReservoirStorage

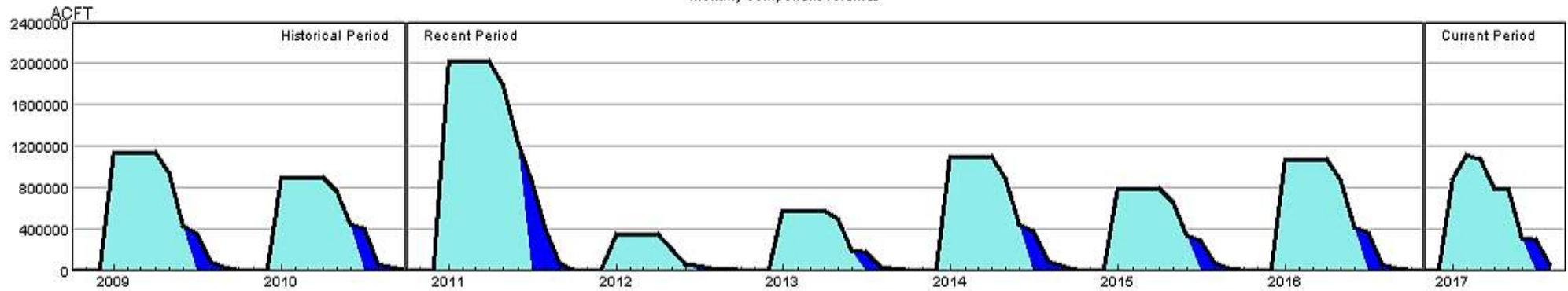**HUC 14020001 (East-Taylor) SWSI**
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.
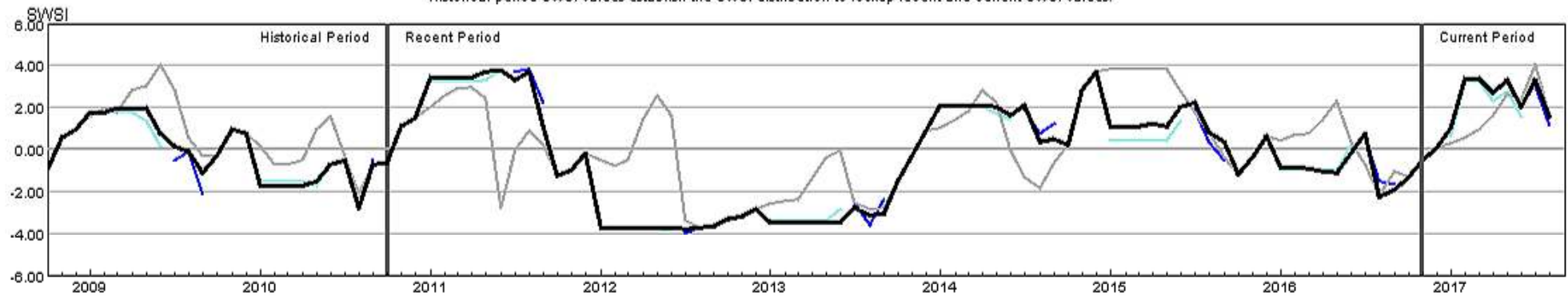
HUC:14020001-PrevMoStreamflow-SWSI
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HUC:14020001-ReservoirStorage-SWSI
HUC:14020001-DataComposite-SWSI

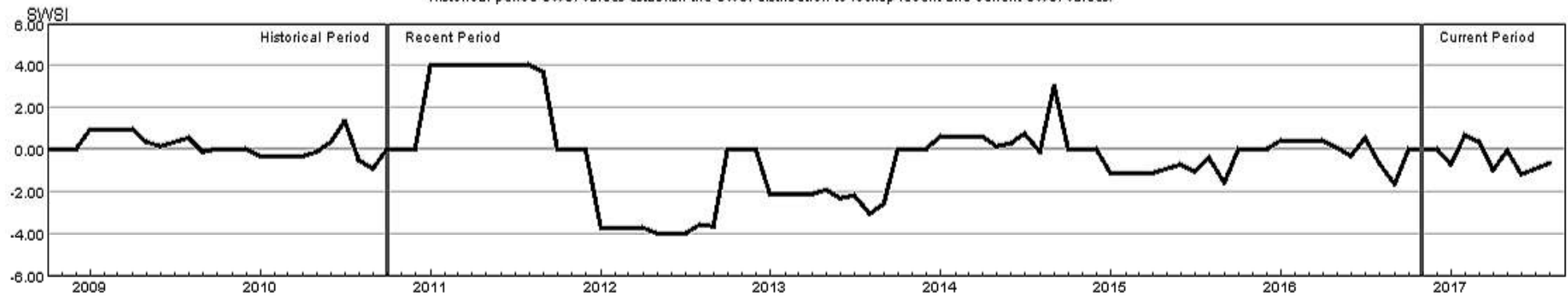HUC 14020002 (Upper Gunnison) Surface Water Supply
Monthly component volumes
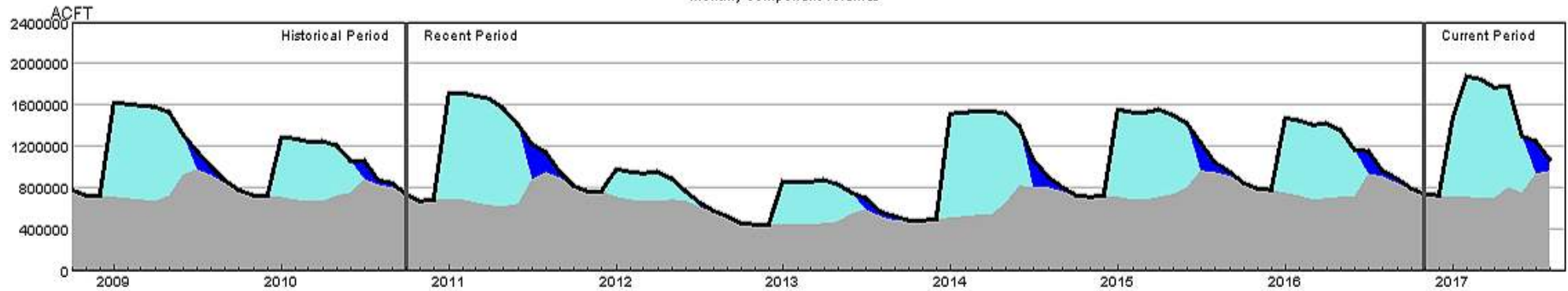
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HUC:14020002-Component-ForecastedRunoff
HUC:14020002-Component-ReservoirStorage

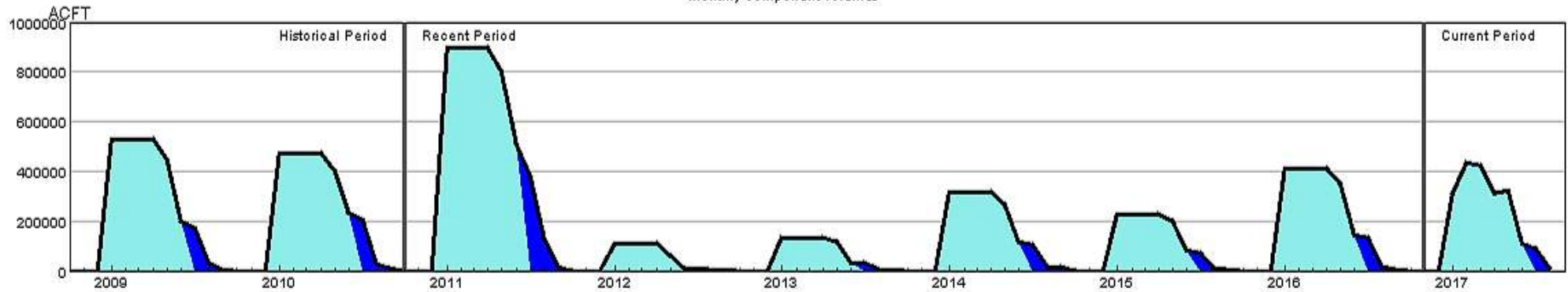HUC 14020002 (Upper Gunnison) SWSI
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.
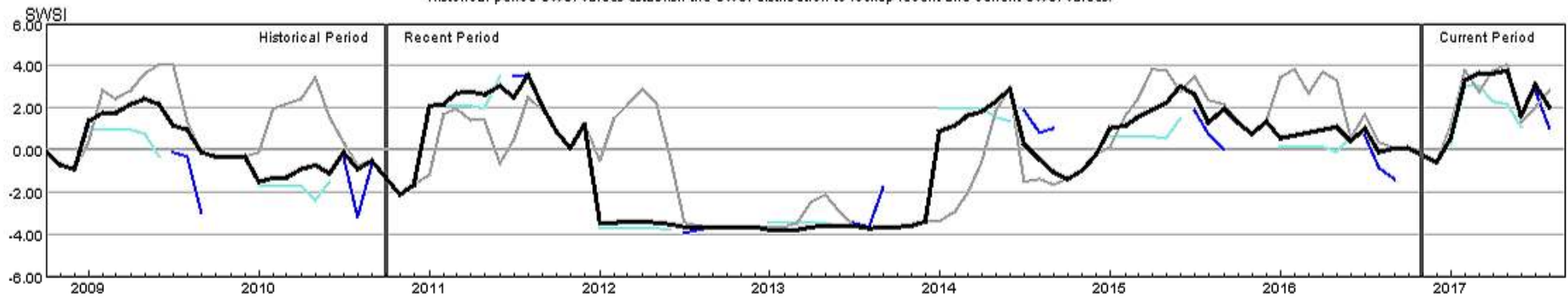
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HUC:14020002-ForecastedRunoff-SWSI
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HUC 14020003 (Tomichi) Surface Water Supply
Monthly component volumes
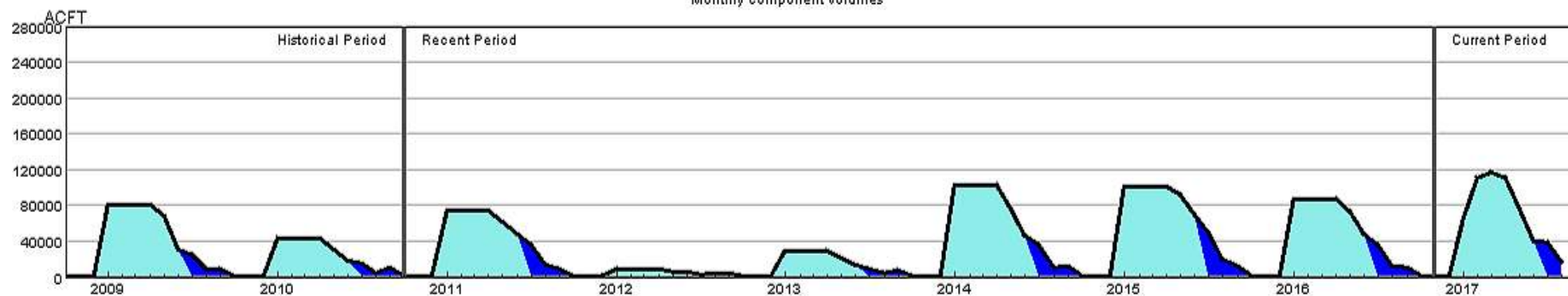
HUC:14020003-DataComposite
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HUC 14020003 (Tomichi) SWSI
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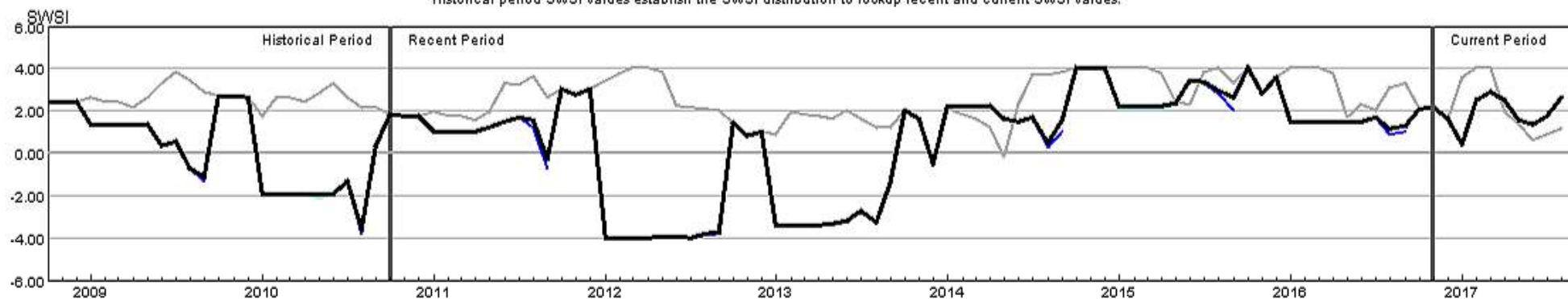
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HUC:14020003-DataComposite-SWSI

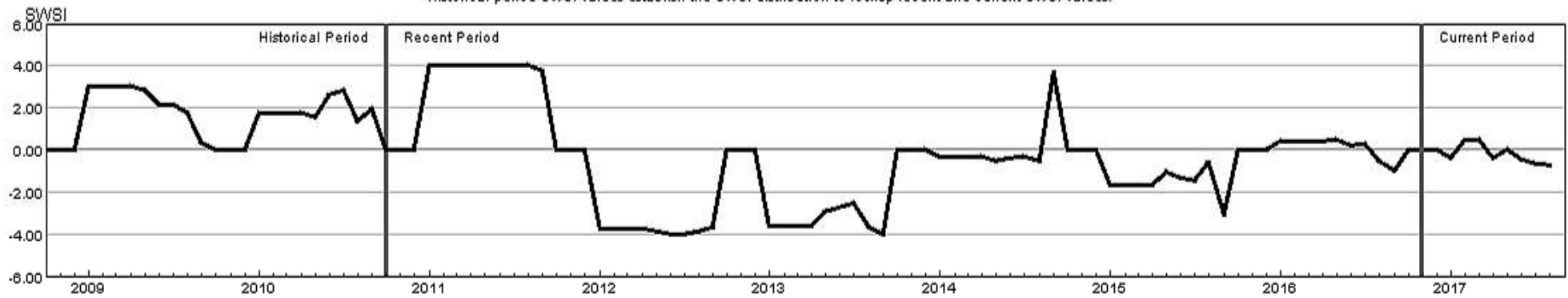# HUC 14020004 (North Fork Gunnison) Surface Water Supply

Monthly component volumes
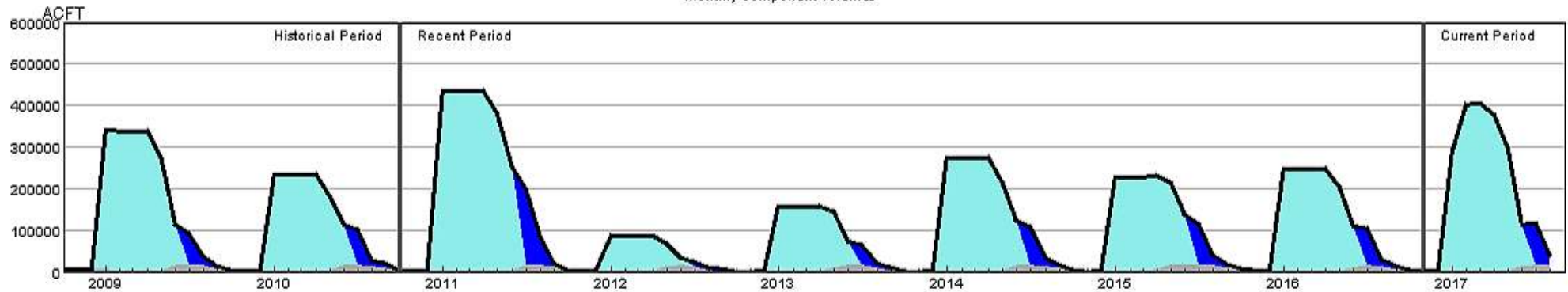
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HUC:14020004-Component-ForecastedRunoff
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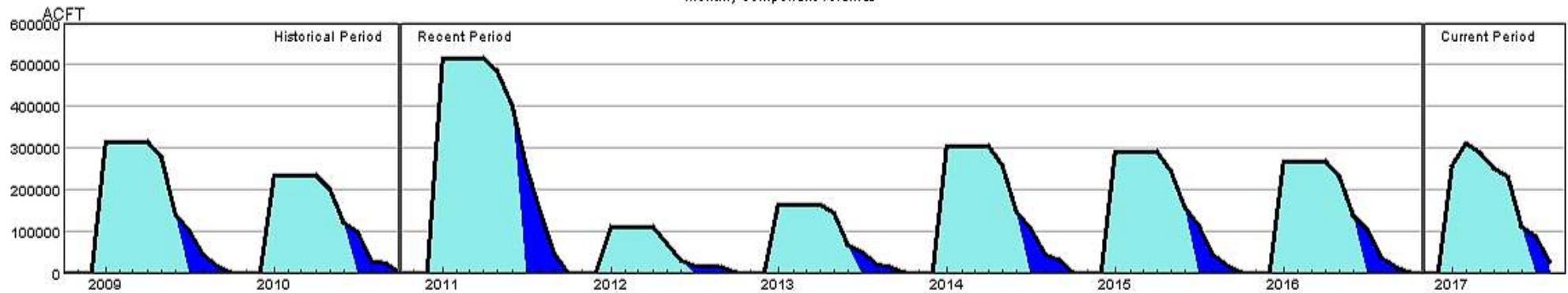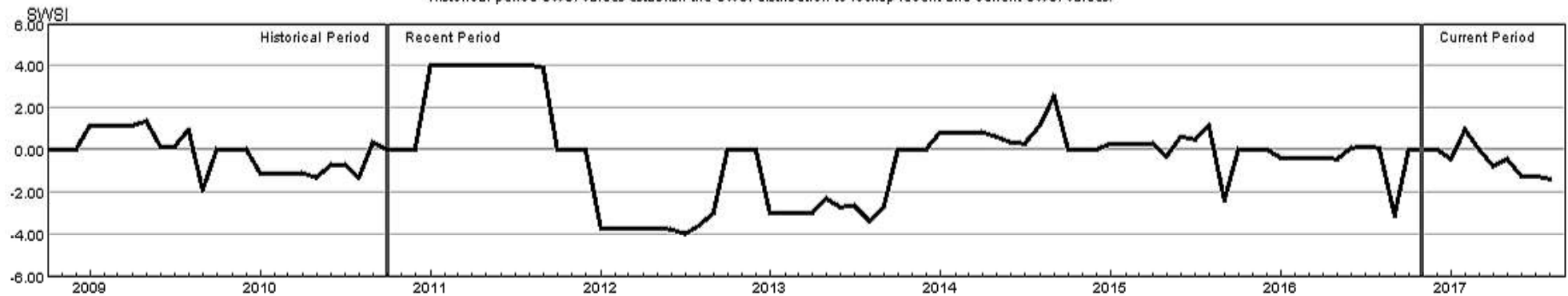
HUC 14020004 (North Fork Gunnison) SWSI

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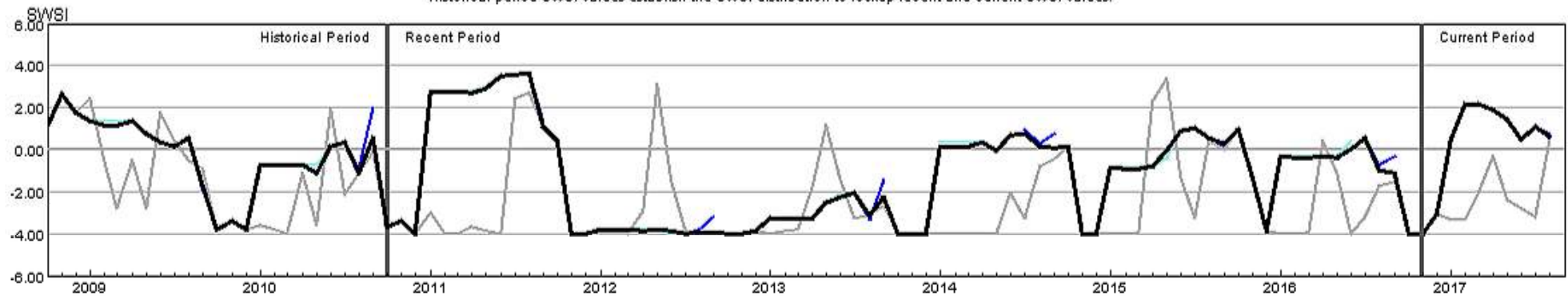
HUC:14020004-PrevMoStreamflow-SWSI
HUC:14020004-ForecastedRunoff-SWSI
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HUC:14020004-DataComposite-SWSI

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

ACFT
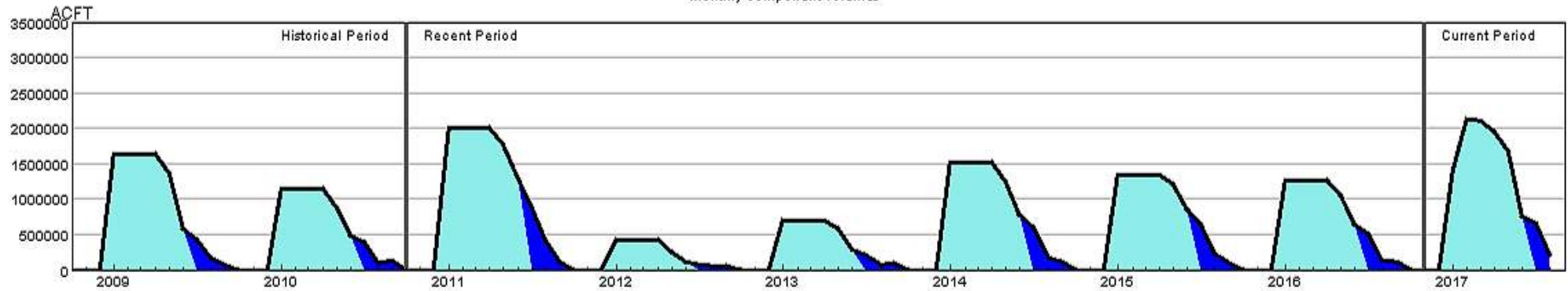
Legend:
- HUC:14020005-DataComposite
- HUC:14020005-Component-PrevMoStreamflow
- HUC:14020005-Component-ForecastedRunoff
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HUC 14020005 (Lower Gunnison) SWSI
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.
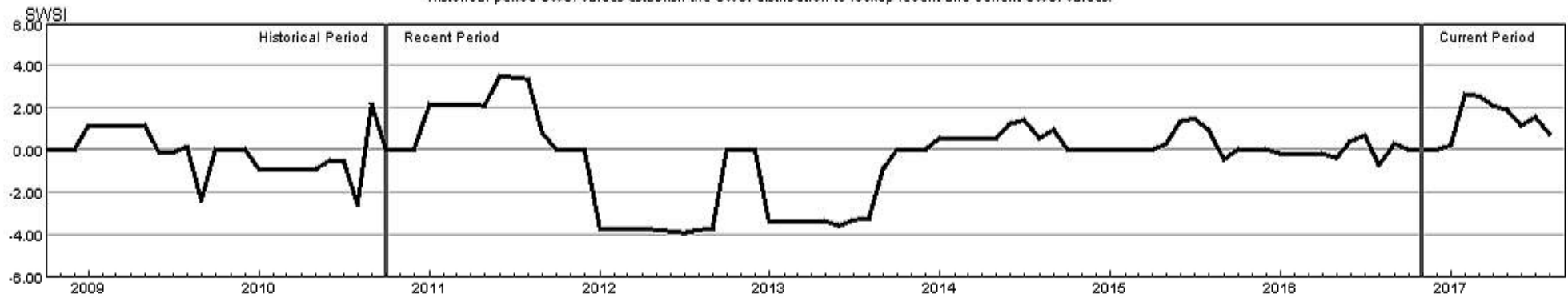
SWSI

Legend:
- HUC:14020005-PrevMoStreamflow-SWSI
- HUC:14020005-ForecastedRunoff-SWSI
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- HUC:14020005-DataComposite-SWSI

HUC 14020006 (Uncompahgre) Surface Water Supply
Monthly component volumes
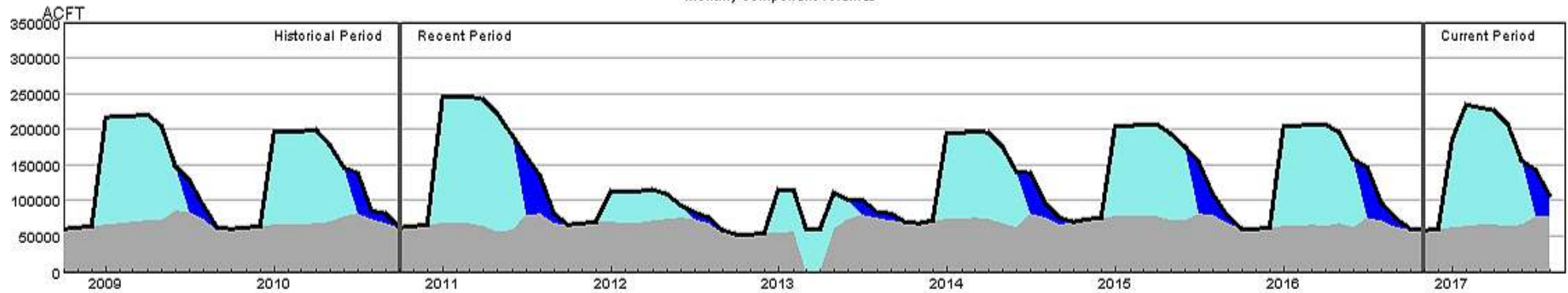
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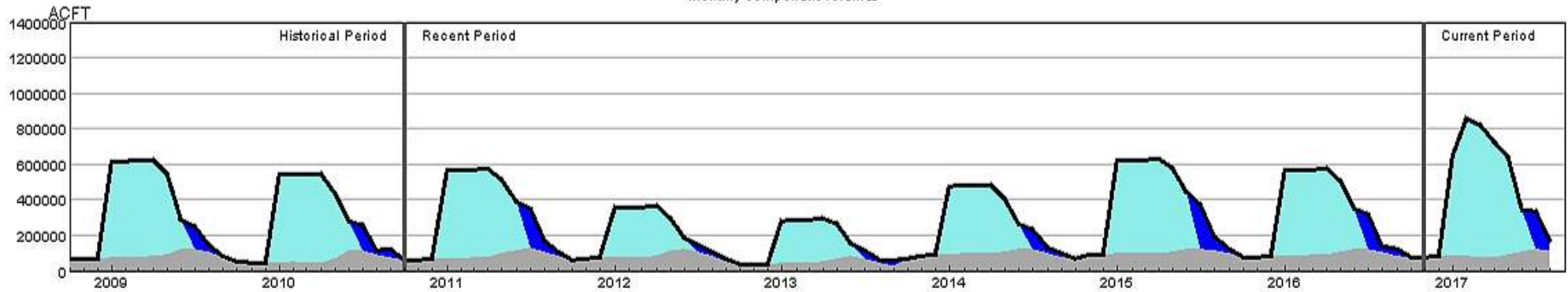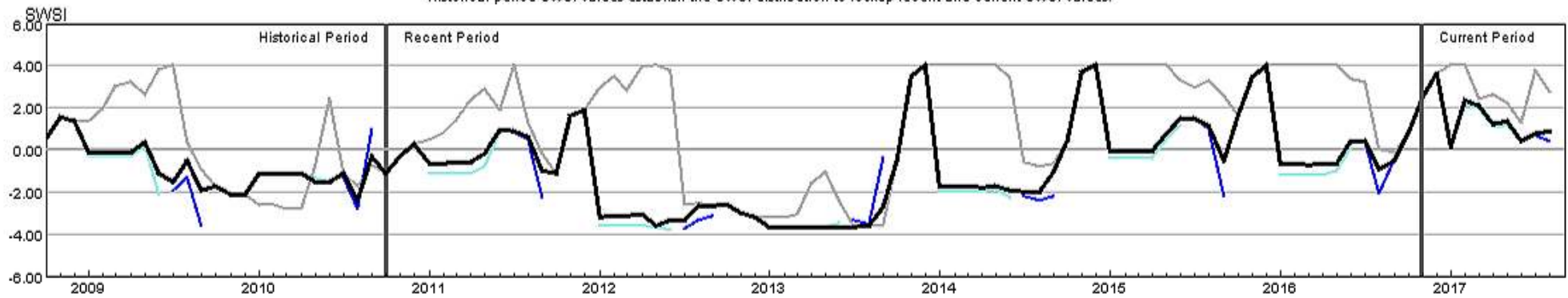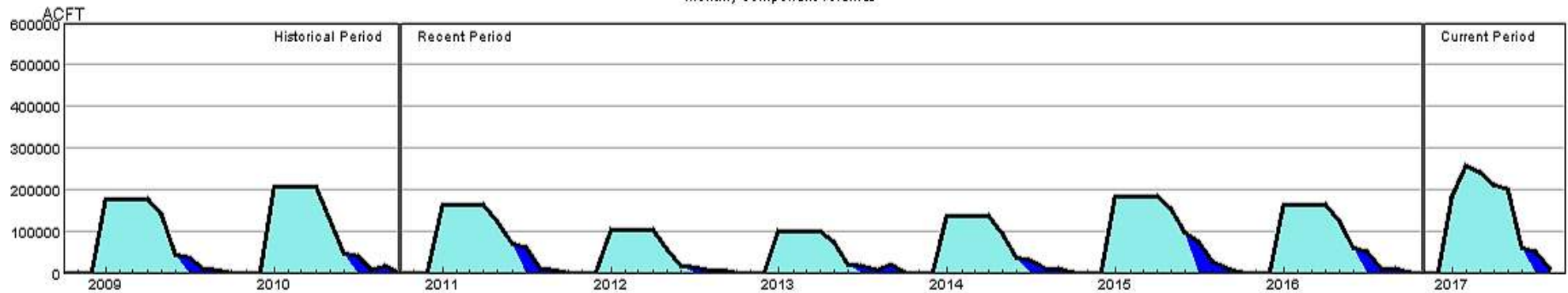
HUC 14020006 (Uncompahgre) SWSI
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.

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

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

Legend:
- HUC:14030002-DataComposite
- HUC:14030002-Component-PrevMoStreamflow
- HUC:14030002-Component-ForecastedRunoff
- HUC:14030002-Component-ReservoirStorage

HUC 14030002 (Upper Dolores) SWSI
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.

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

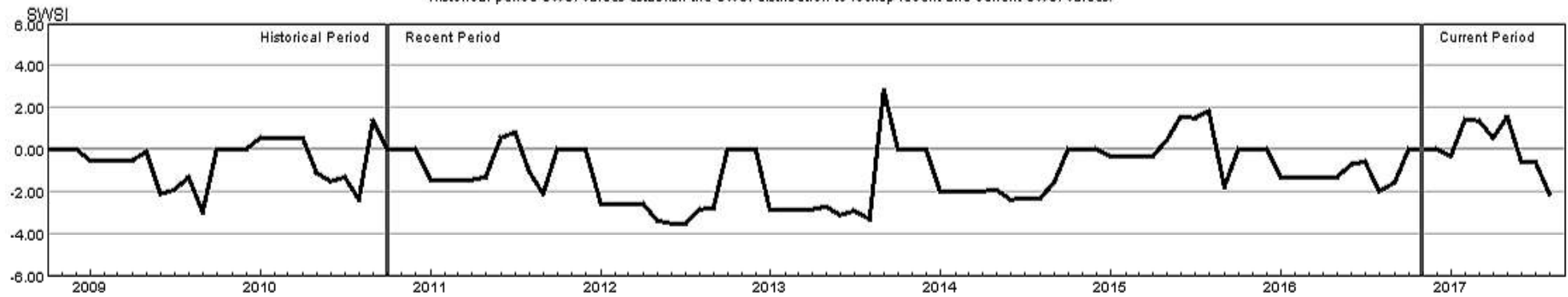# HUC 14030003 (San Miguel) Surface Water Supply
Monthly component volumes

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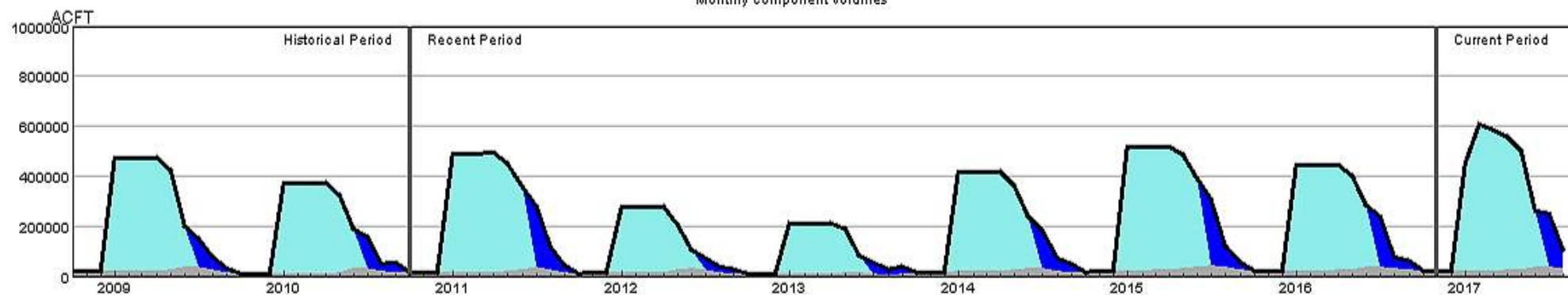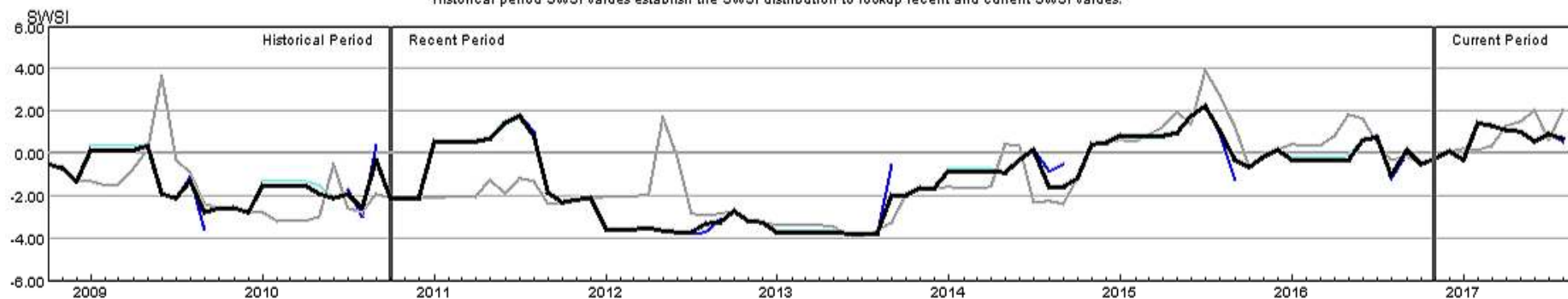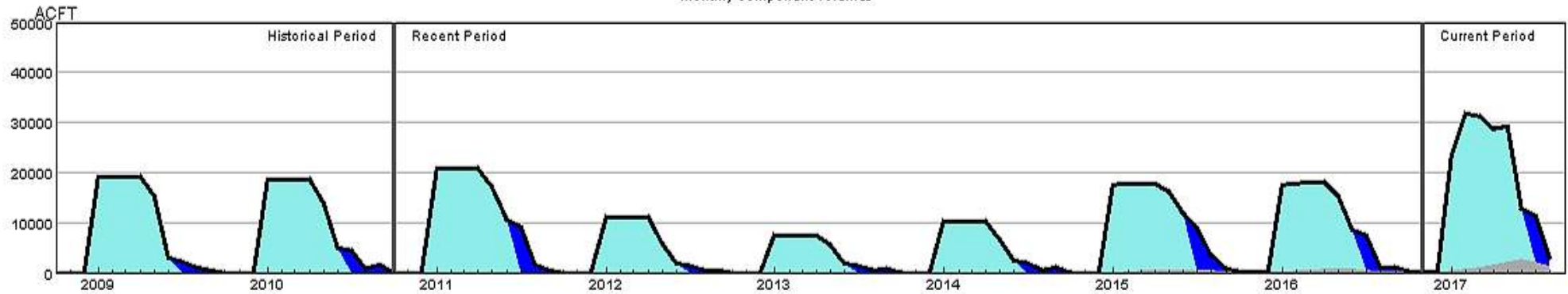HUC:14030003-Component-ReservoirStorage

HUC 14030003 (San Miguel) SWSI
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.

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

HUC 14050001 (Upper Yampa) Surface Water Supply
Monthly component volumes

ACFT

| Historical Period | Recent Period | Current Period |

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

HUC 14050001 (Upper Yampa) SWSI
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.

SWSI

| Historical Period | Recent Period | Current Period |

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

HUC 14050002 (Lower Yampa) Surface Water Supply

Monthly component volumes

ACFT

Historical Period | Recent Period | Current Period

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

HUC 14050002 (Lower Yampa) SWSI

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

SWSI

Historical Period | Recent Period | Current Period

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

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

Legend:
- HUC:14050003-DataComposite
- HUC:14050003-Component-PrevMoStreamflow
- HUC:14050003-Component-ForecastedRunoff
- HUC:14050003-Component-ReservoirStorage
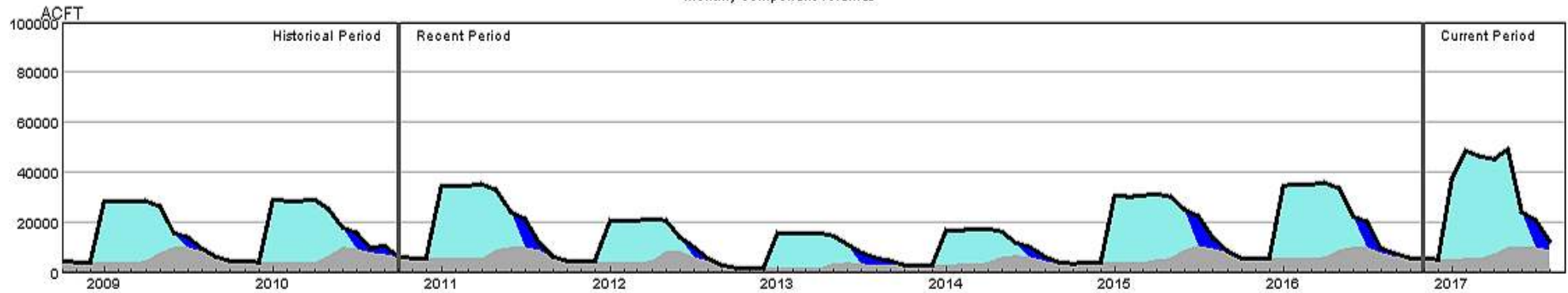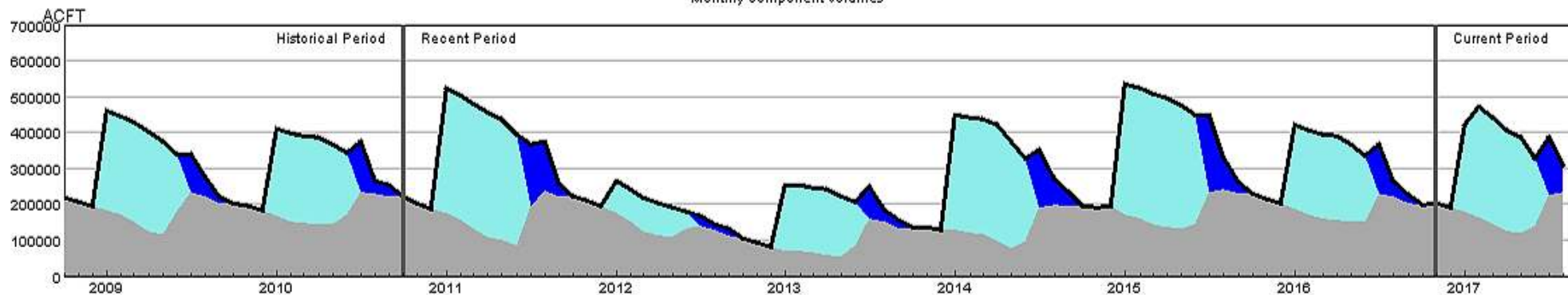
HUC 14050003 (Little Snake) SWSI
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.

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

HUC 14050005 (Upper White) Surface Water Supply
Monthly component volumes

Legend:
- HUC:14050005-DataComposite
- HUC:14050005-Component-PrevMoStreamflow
- HUC:14050005-Component-ForecastedRunoff
- HUC:14050005-Component-ReservoirStorage

HUC 14050005 (Upper White) SWSI
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.

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

HUC 14080101 (Upper San Juan) Surface Water Supply

Monthly component volumes

ACFT

Historical Period   Recent Period   Current Period

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

HUC 14080101 (Upper San Juan) SWSI

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

SWSI

Historical Period   Recent Period   Current Period

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

HUC 14080102 (Piedra) Surface Water Supply

Monthly component volumes

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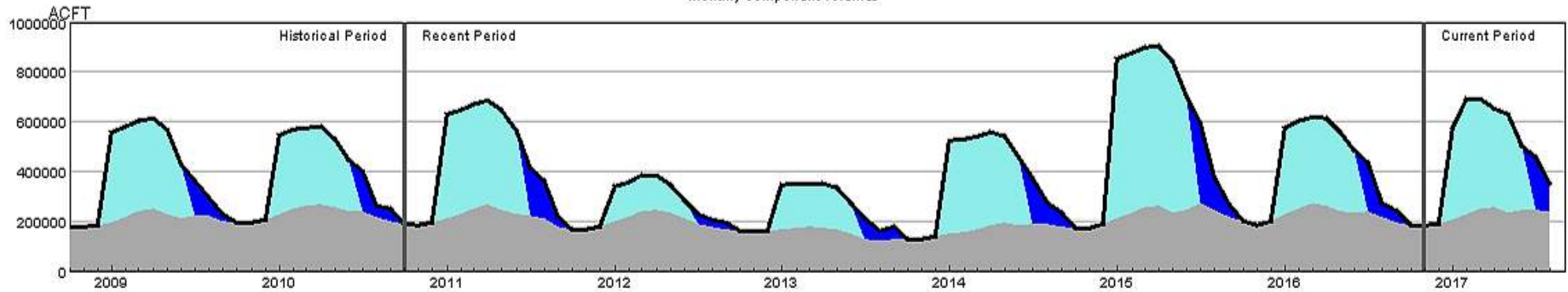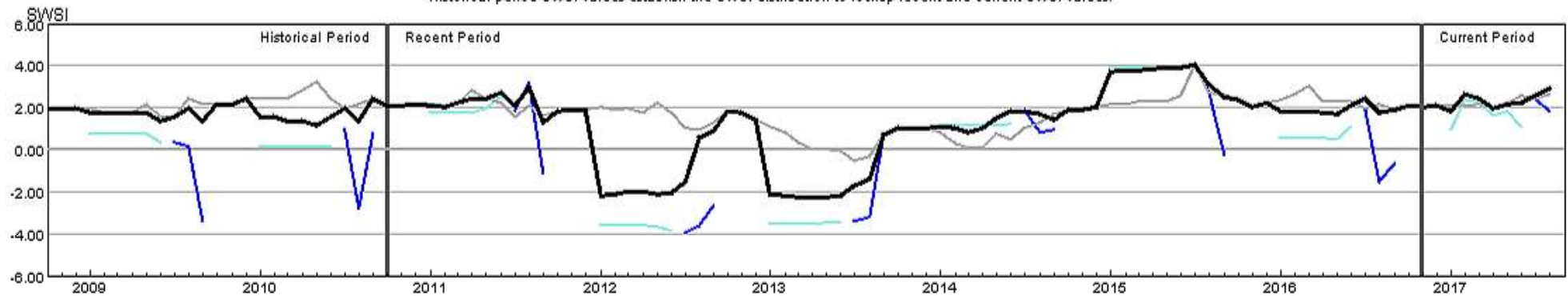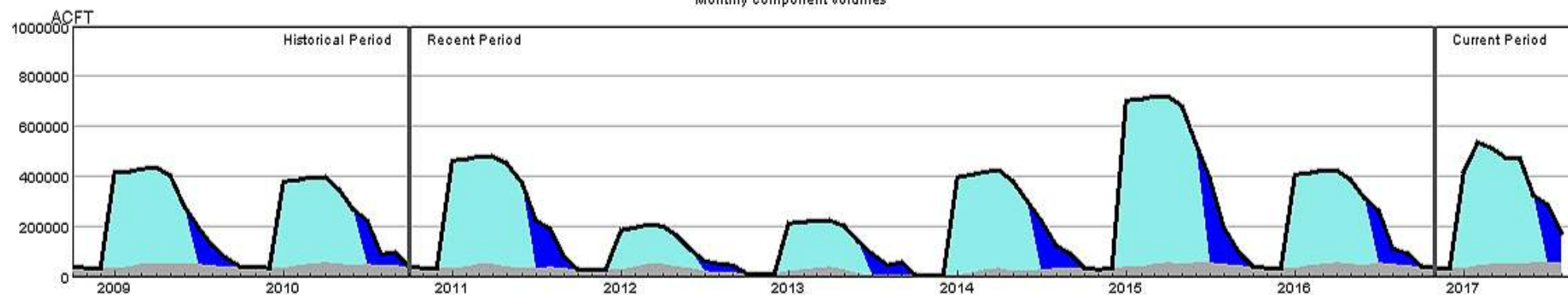HUC:14080102-Component-ReservoirStorage

HUC 14080102 (Piedra) SWSI

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

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

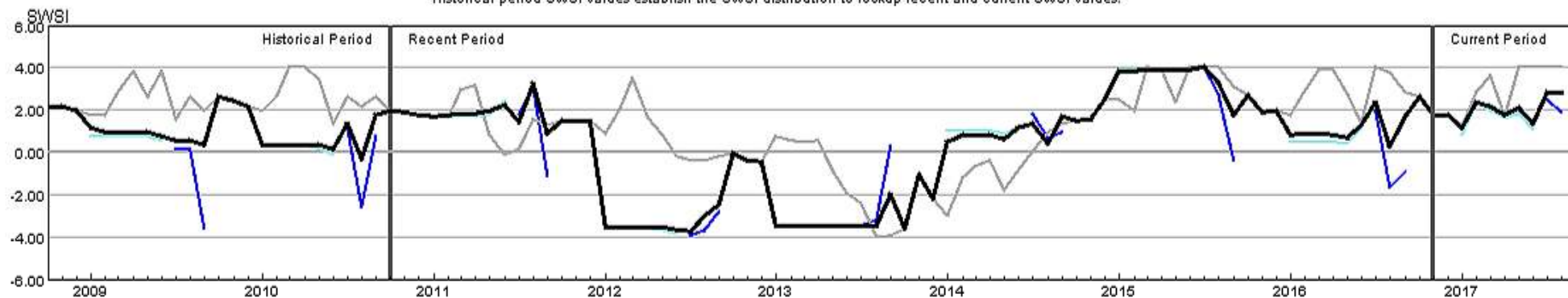HUC 14080104 (Animas) Surface Water Supply
Monthly component volumes

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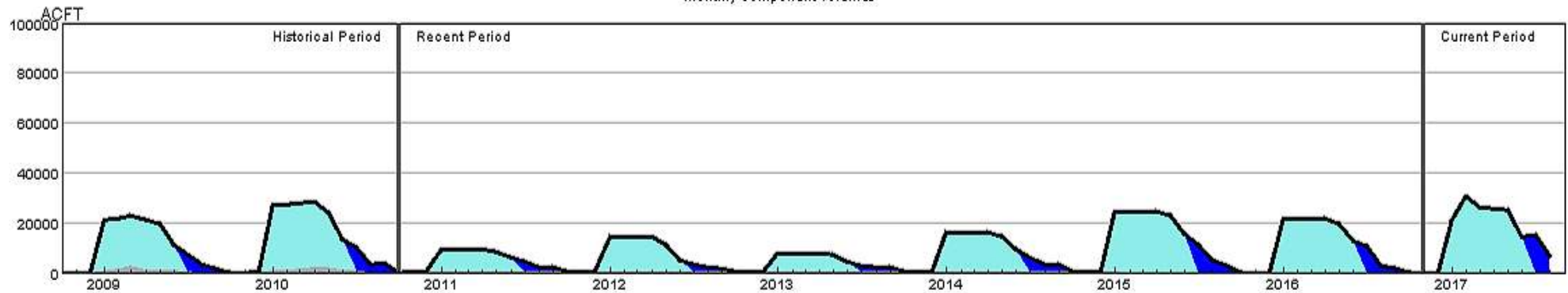
HUC 14080104 (Animas) SWSI
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.

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

HUC 14080105 (Middle San Juan) Surface Water Supply
Monthly component volumes

Legend:
- HUC:14080105-DataComposite
- HUC:14080105-Component-PrevMoStreamflow
- HUC:14080105-Component-ForecastedRunoff
- HUC:14080105-Component-ReservoirStorage

HUC 14080105 (Middle San Juan) SWSI
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.
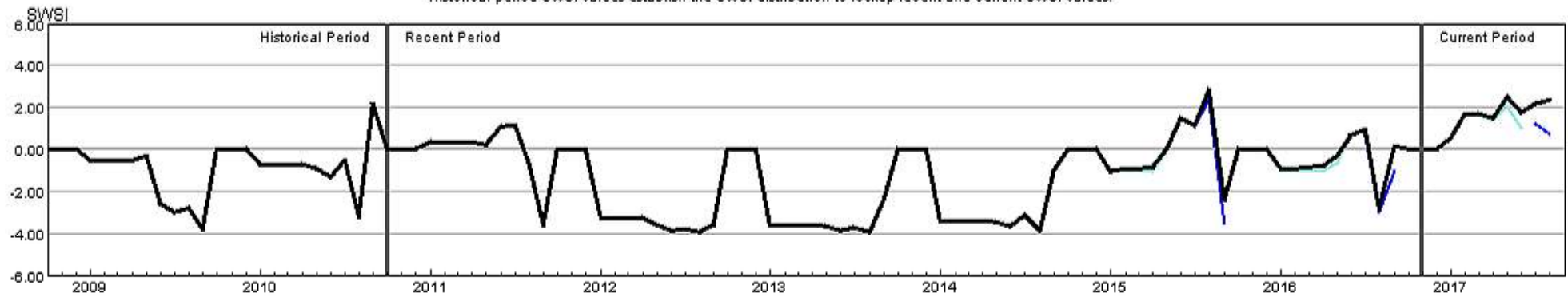
Legend:
- HUC:14080105-PrevMoStreamflow-SWSI
- HUC:14080105-ForecastedRunoff-SWSI
- HUC:14080105-ReservoirStorage-SWSI
- HUC:14080105-DataComposite-SWSI

# HUC 14080107 (Mancos) Surface Water Supply
Monthly component volumes

ACFT

Historical Period · Recent Period · Current Period

HUC:14080107-DataComposite
HUC:14080107-Component-PrevMoStreamflow
HUC:14080107-Component-ForecastedRunoff
HUC:14080107-Component-ReservoirStorage

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

SWSI

Historical Period · Recent Period · Current Period
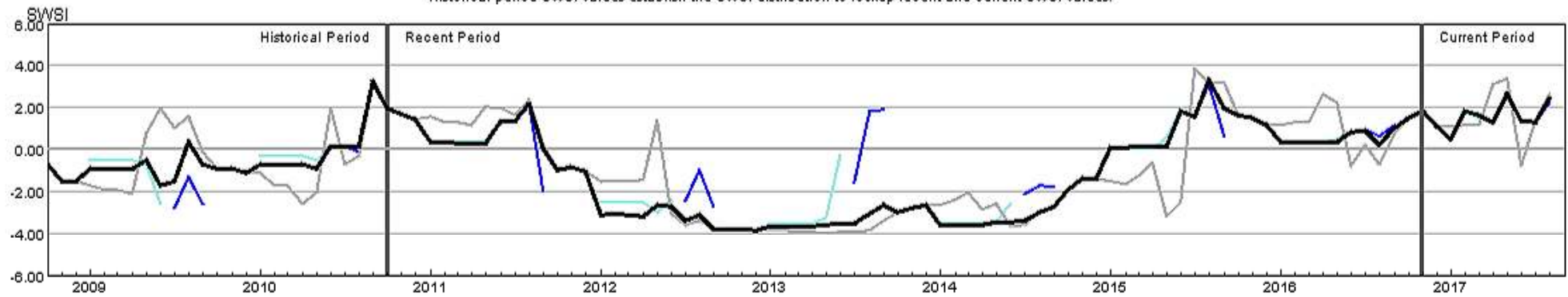
HUC:14080107-PrevMoStreamflow-SWSI
HUC:14080107-ForecastedRunoff-SWSI
HUC:14080107-ReservoirStorage-SWSI
HUC:14080107-DataComposite-SWSI

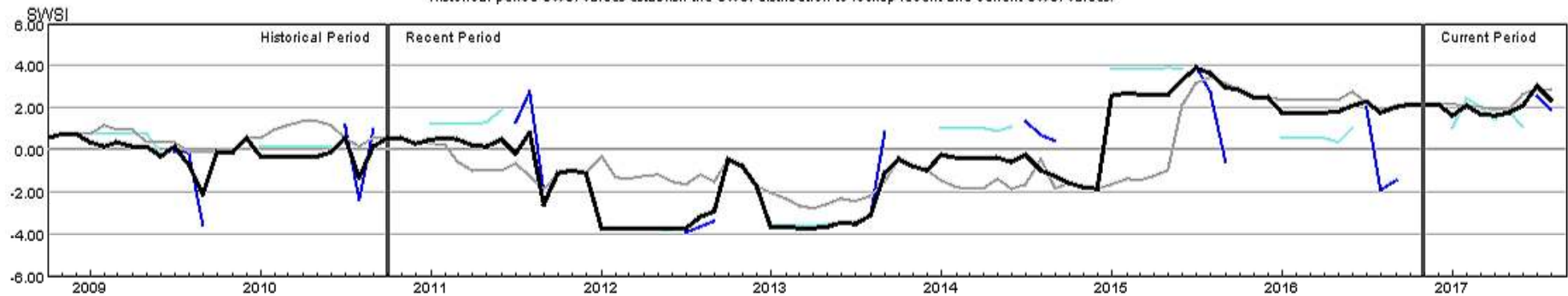HUC 11020001 (Arkansas Headwaters) Surface Water Supply
Monthly component volumes

HUC:11020001-DataComposite
HUC:11020001-Component-PrevMoStreamflow
HUC:11020001-Component-ForecastedRunoff
HUC:11020001-Component-ReservoirStorage

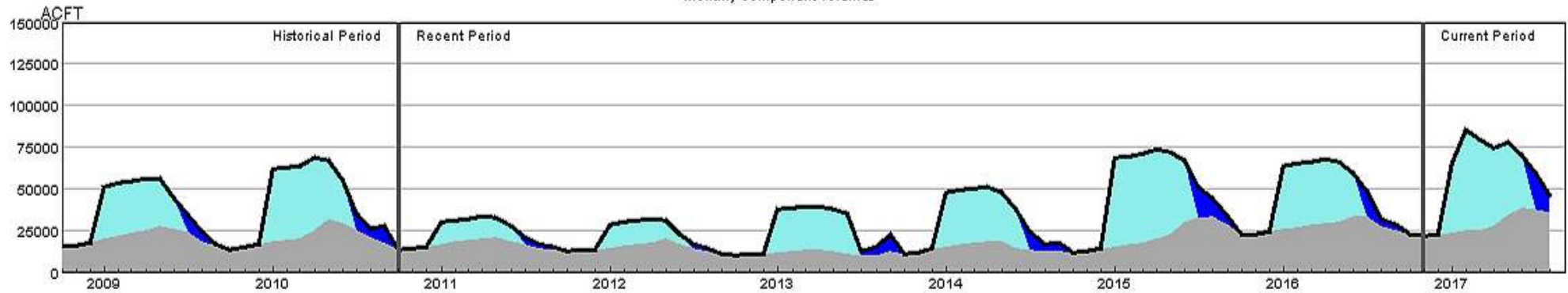HUC 11020001 (Arkansas Headwaters) SWSI
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.
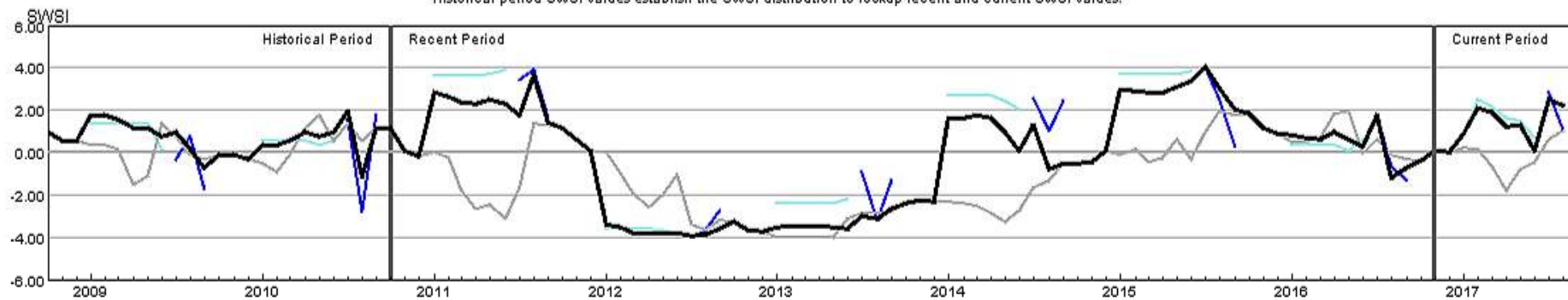
HUC:11020001-PrevMoStreamflow-SWSI
HUC:11020001-ForecastedRunoff-SWSI
HUC:11020001-ReservoirStorage-SWSI
HUC:11020001-DataComposite-SWSI

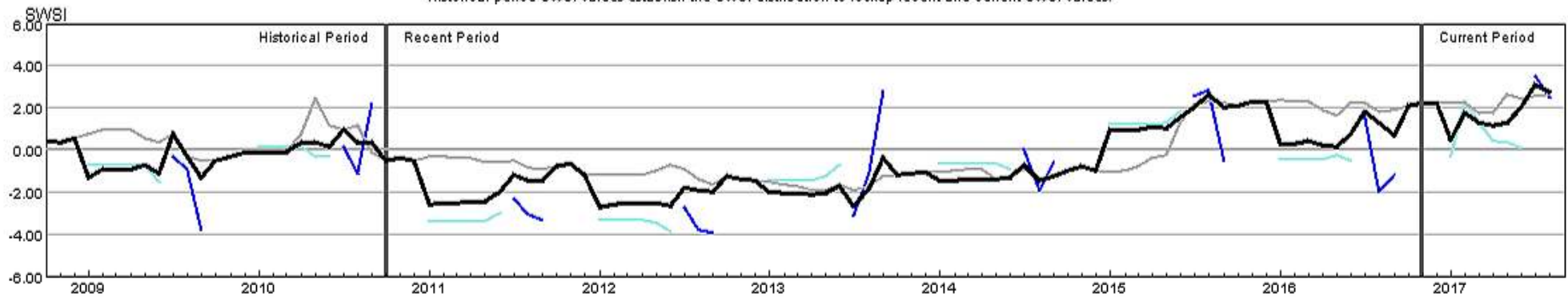HUC 11020002 (Upper Arkansas) Surface Water Supply

Monthly component volumes

HUC:11020002-DataComposite
HUC:11020002-Component-PrevMoStreamflow
HUC:11020002-Component-ForecastedRunoff
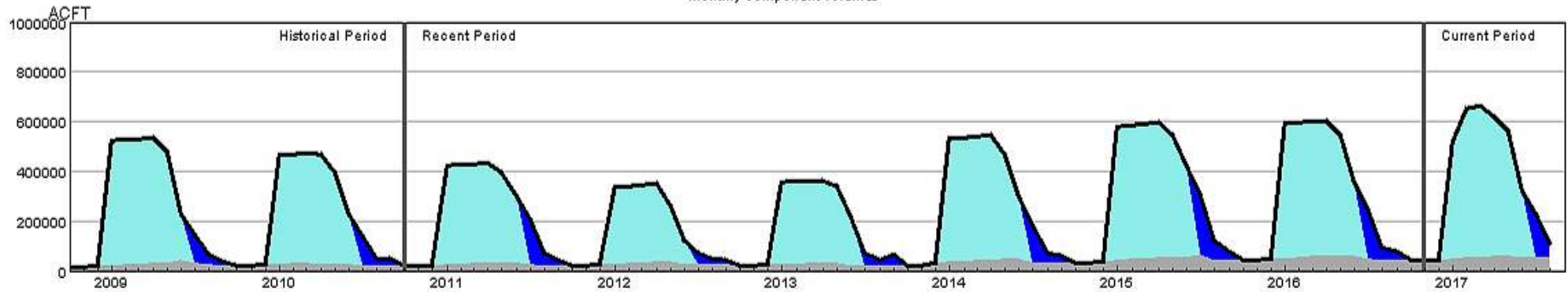HUC:11020002-Component-ReservoirStorage

HUC 11020002 (Upper Arkansas) SWSI

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

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

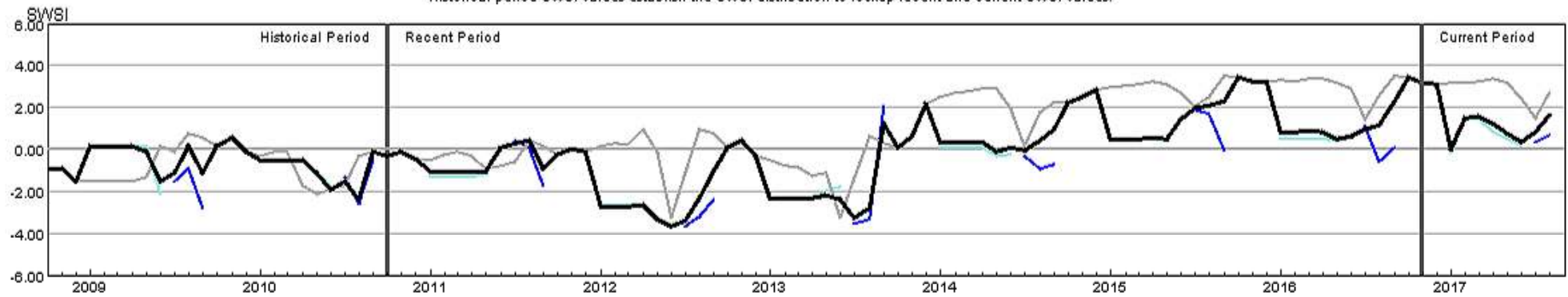# HUC 11020005 (Upper Arkansas-Lake Meredith) Surface Water Supply

Monthly component volumes

HUC:11020005-DataComposite
HUC:11020005-Component-PrevMoStreamflow
HUC:11020005-Component-ForecastedRunoff
HUC:11020005-Component-ReservoirStorage
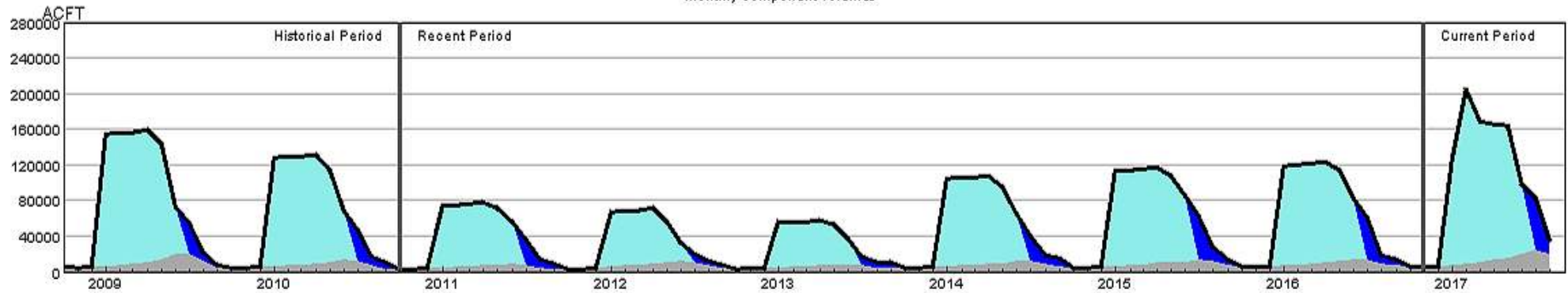
HUC 11020005 (Upper Arkansas-Lake Meredith) SWSI

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

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

HUC 11020006 (Huerfano) Surface Water Supply

Monthly component volumes

Legend:
HUC:11020006-DataComposite
HUC:11020006-Component-PrevMoStreamflow
HUC:11020006-Component-ForecastedRunoff
HUC:11020006-Component-ReservoirStorage

HUC 11020006 (Huerfano) SWSI

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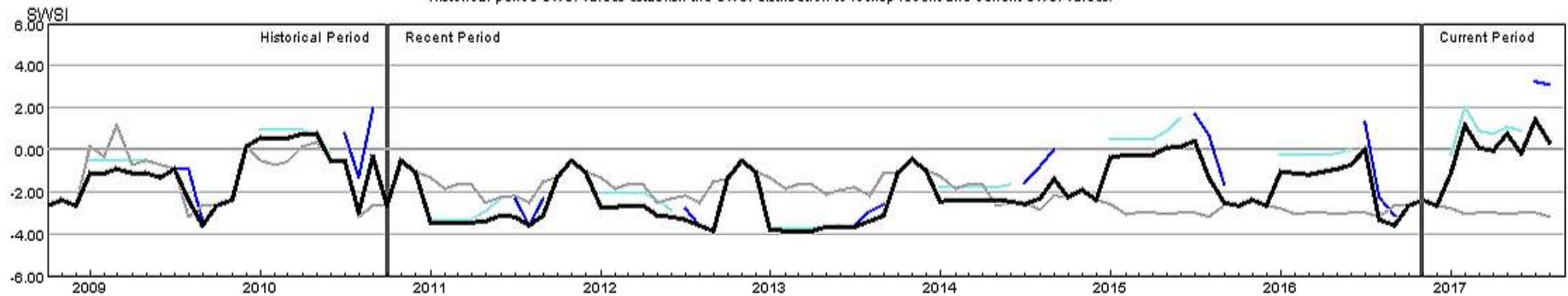
Legend:
HUC:11020006-PrevMoStreamflow-SWSI
HUC:11020006-ForecastedRunoff-SWSI
HUC:11020006-ReservoirStorage-SWSI
HUC:11020006-DataComposite-SWSI

HUC 11020009 (Upper Arkansas-John Martin Reservoir) Surface Water Supply
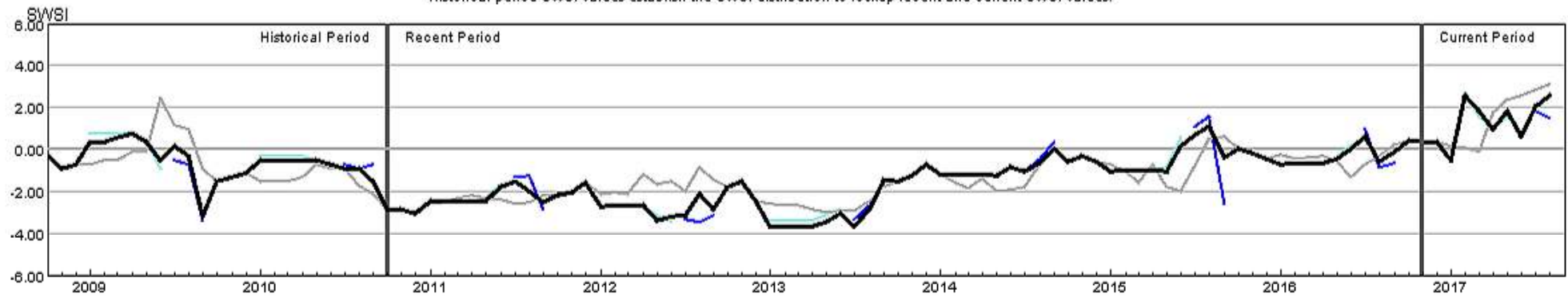
Monthly component volumes
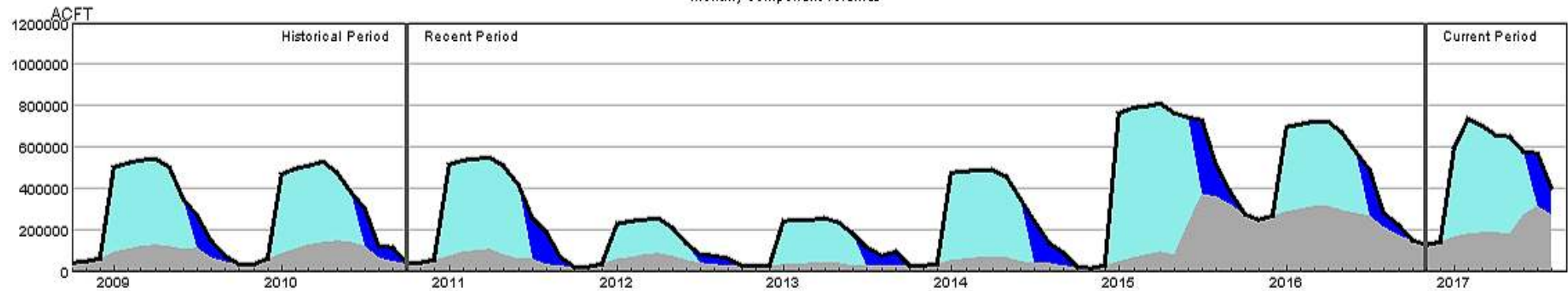
HUC:11020009-DataComposite
HUC:11020009-Component-PrevMoStreamflow
HUC:11020009-Component-ForecastedRunoff
HUC:11020009-Component-ReservoirStorage

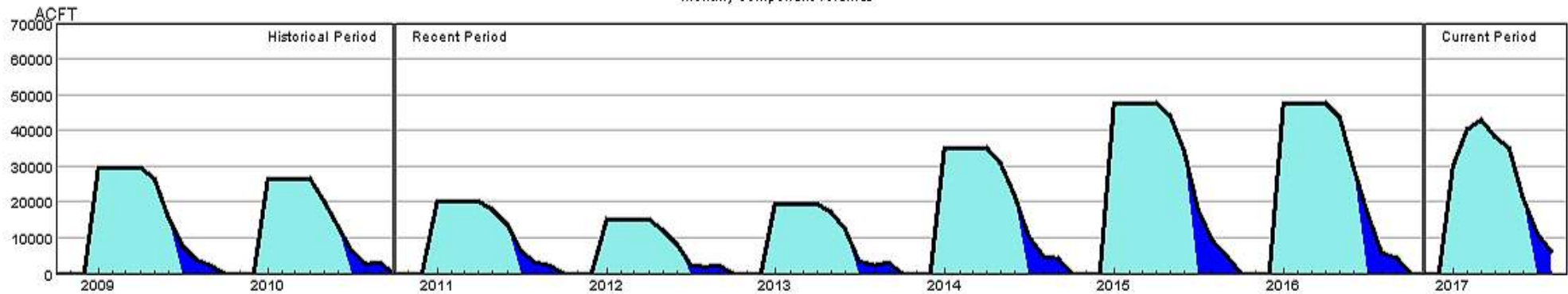# HUC 11020009 (Upper Arkansas-John Martin Reservoir) SWSI

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

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

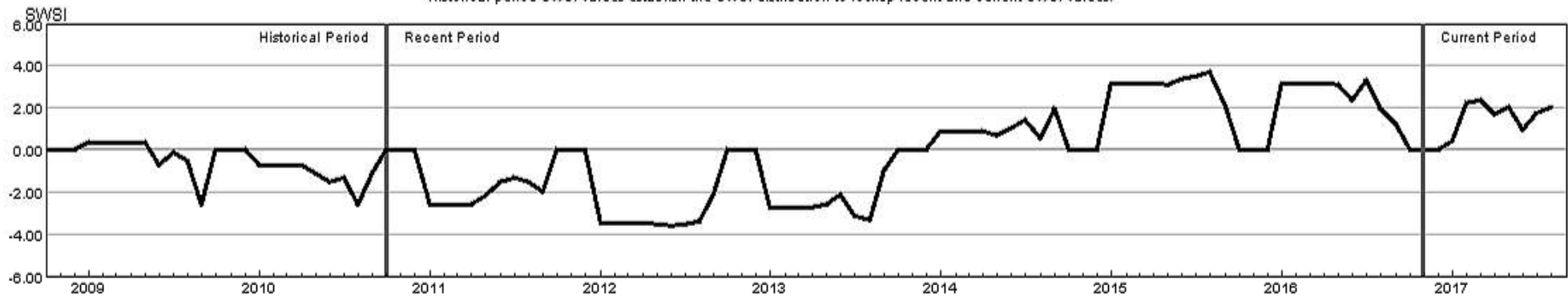HUC 11020010 (Purgatoire) Surface Water Supply
Monthly component volumes

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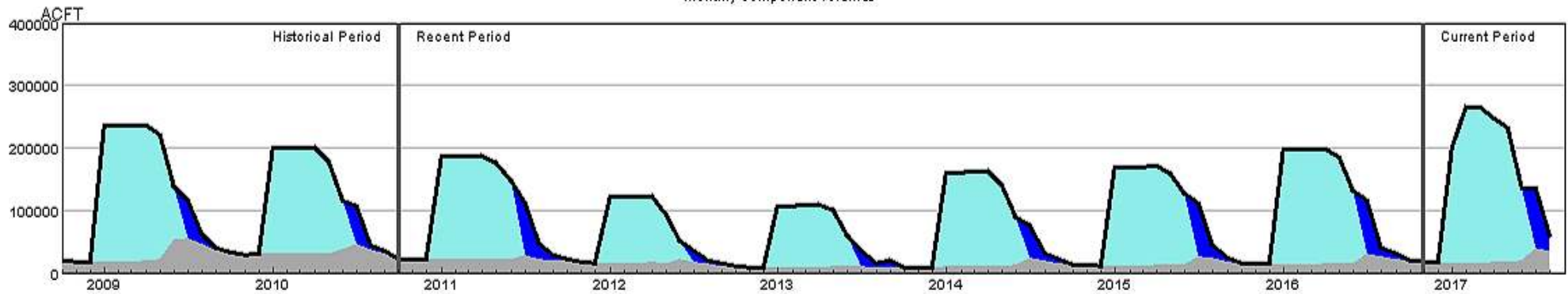HUC:11020010-Component-ReservoirStorage

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

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

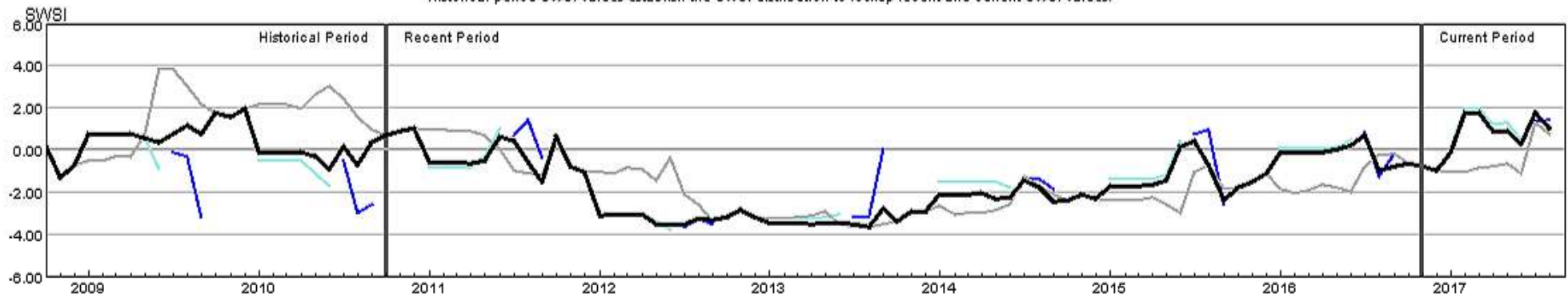# HUC 13010001 (Rio Grande Headwaters) Surface Water Supply

Monthly component volumes

HUC:13010001-DataComposite
HUC:13010001-Component-PrevMoStreamflow
HUC:13010001-Component-ForecastedRunoff
HUC:13010001-Component-ReservoirStorage
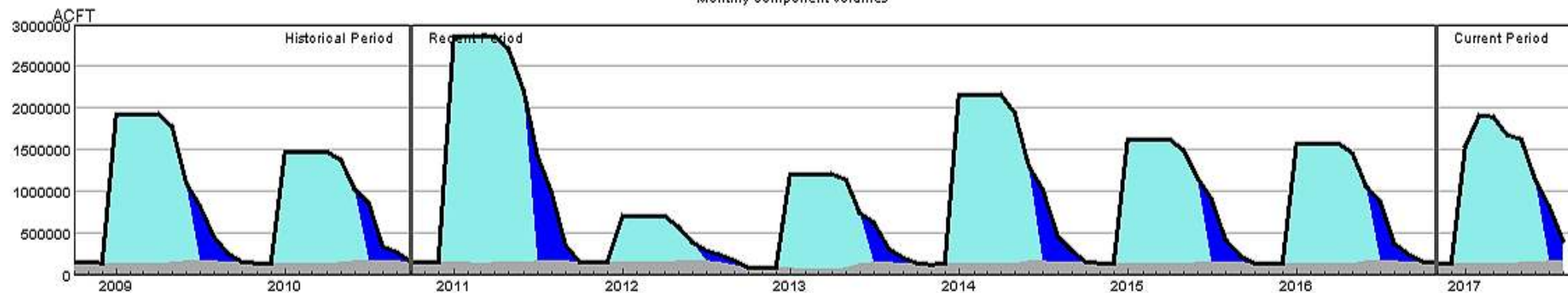
HUC 13010001 (Rio Grande Headwaters) SWSI

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

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

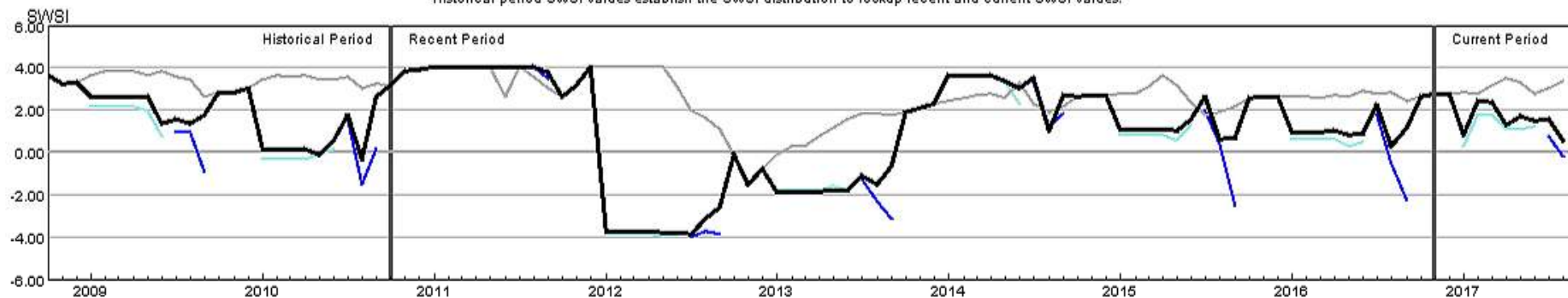# HUC 13010002 (Alamosa-Trinchera) Surface Water Supply

Monthly component volumes

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

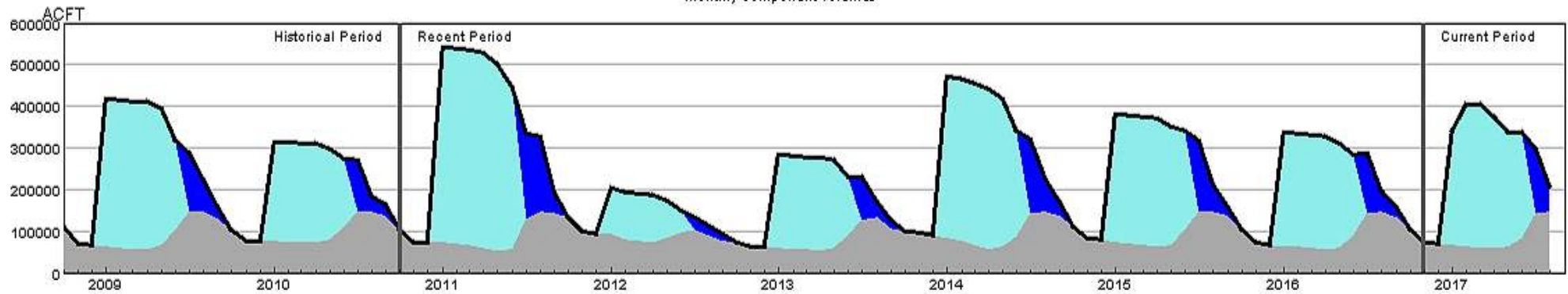# HUC 13010002 (Alamosa-Trinchera) SWSI

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

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

HUC 13010004 (Saguache) Surface Water Supply
Monthly component volumes

Legend:
- HUC:13010004-DataComposite
- HUC:13010004-Component-PrevMoStreamflow
- HUC:13010004-Component-ForecastedRunoff
- HUC:13010004-Component-ReservoirStorage

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

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

HUC 13010005 (Conejos) Surface Water Supply
Monthly component volumes

Historical Period | Recent Period | Current Period
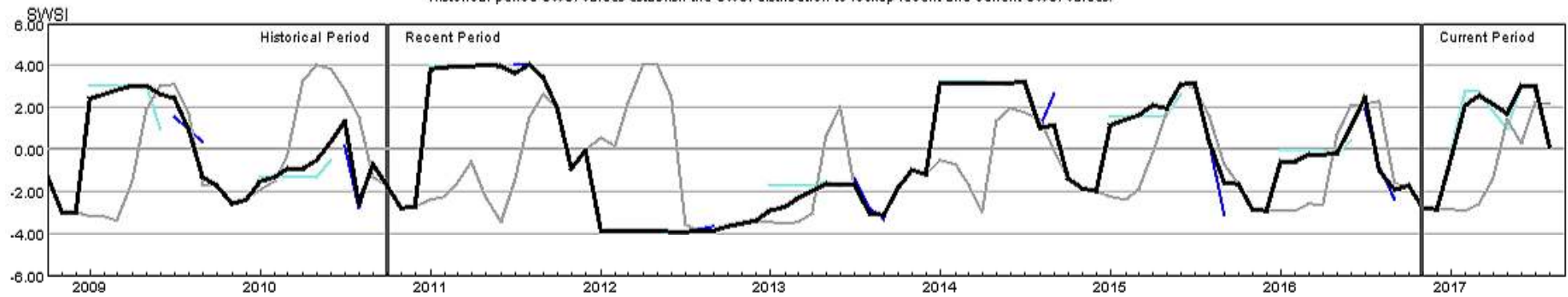
HUC:13010005-DataComposite
HUC:13010005-Component-PrevMoStreamflow
HUC:13010005-Component-ForecastedRunoff
HUC:13010005-Component-ReservoirStorage

HUC 13010005 (Conejos) SWSI
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.

Historical Period | Recent Period | Current Period

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

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

Legend:
- HUC:14010001-DataComposite
- HUC:14010001-Component-PrevMoStreamflow
- HUC:14010001-Component-ForecastedRunoff
- HUC:14010001-Component-ReservoirStorage
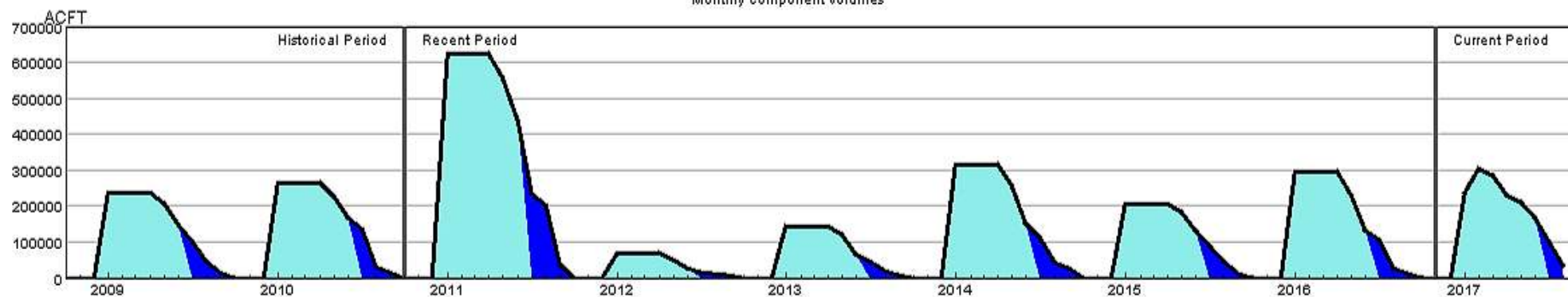
HUC 14010001 (Colorado Headwaters) SWSI
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.

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

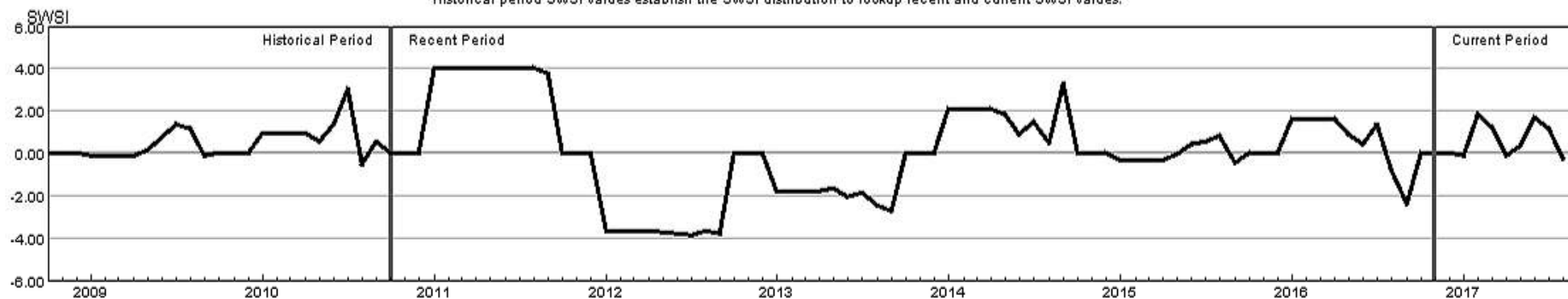# HUC 14010002 (Blue) Surface Water Supply
Monthly component volumes

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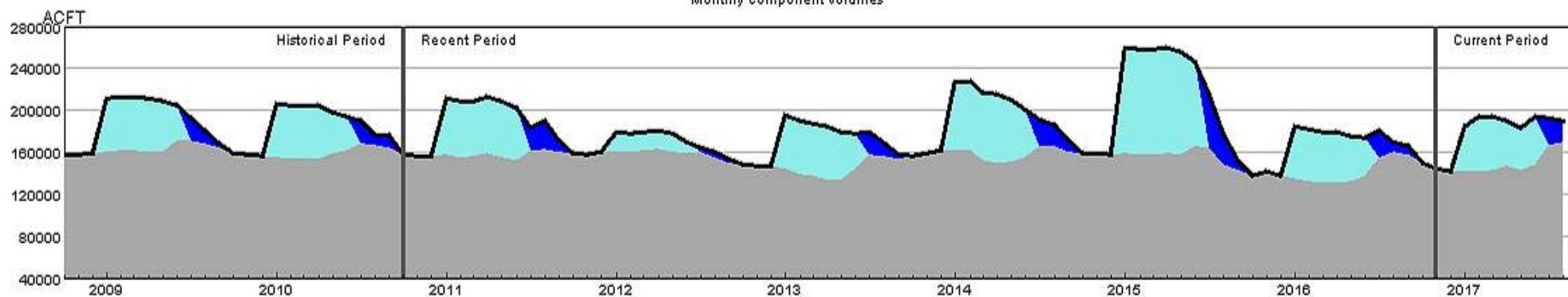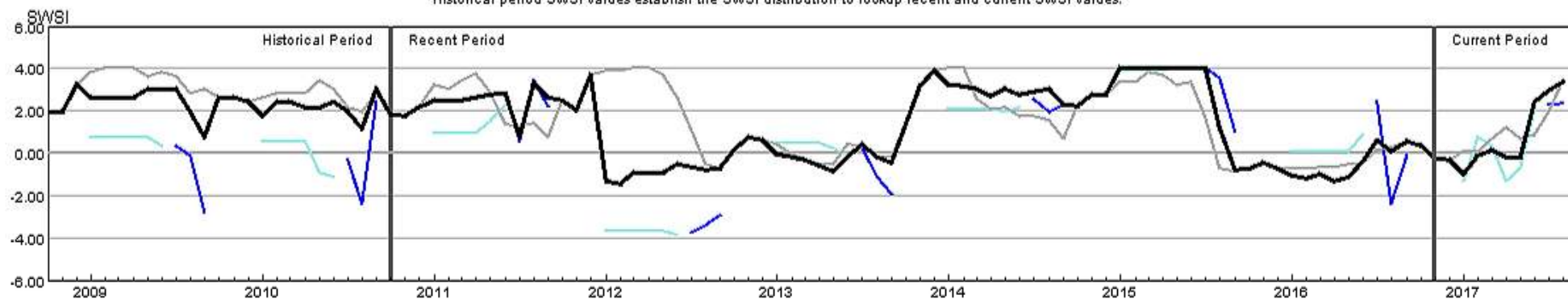
HUC 14010002 (Blue) SWSI
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.

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

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

Legend:
- HUC:10180001-DataComposite
- HUC:10180001-Component-PrevMoStreamflow
- HUC:10180001-Component-ForecastedRunoff
- HUC:10180001-Component-ReservoirStorage

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

Legend:
- HUC:10180001-PrevMoStreamflow-SWSI
- HUC:10180001-ForecastedRunoff-SWSI
- HUC:10180001-ReservoirStorage-SWSI
- HUC:10180001-DataComposite-SWSI

HUC 10190001 (South Platte Headwater) Surface Water Supply
Monthly component volumes

ACFT

Historical Period | Recent Period | Current Period

HUC:10190001-DataComposite
HUC:10190001-Component-PrevMoStreamflow
HUC:10190001-Component-ForecastedRunoff
HUC:10190001-Component-ReservoirStorage
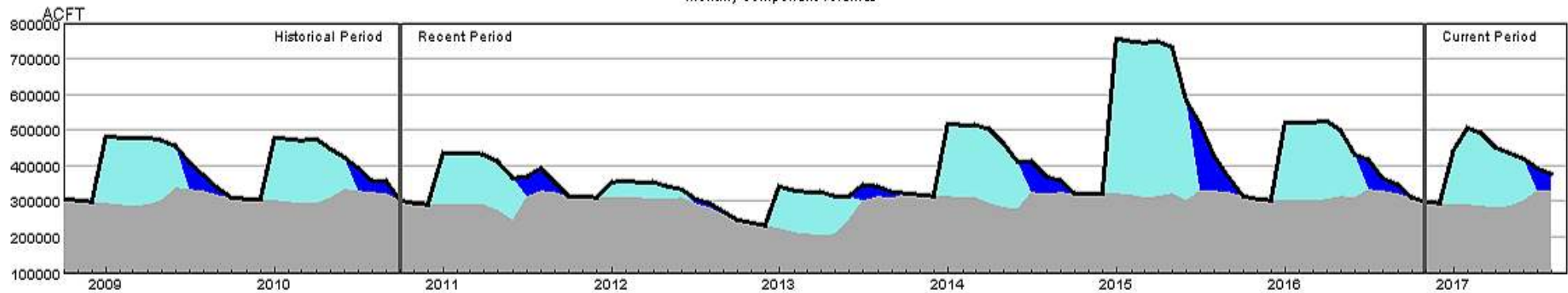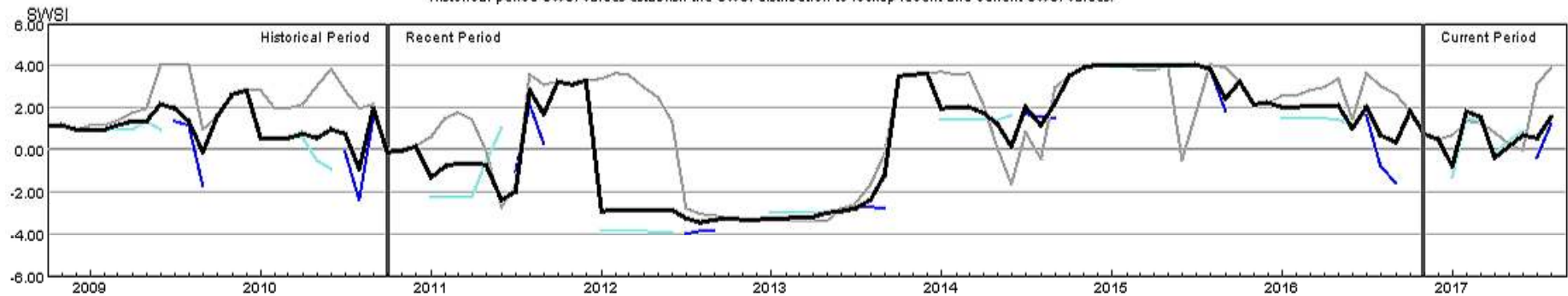
HUC 10190001 (South Platte Headwater) SWSI
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.

SWSI

Historical Period | Recent Period | Current Period

HUC:10190001-PrevMoStreamflow-SWSI
HUC:10190001-ForecastedRunoff-SWSI
HUC:10190001-ReservoirStorage-SWSI
HUC:10190001-DataComposite-SWSI

HUC 10190002 (Upper South Platte) Surface Water Supply

Monthly component volumes

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

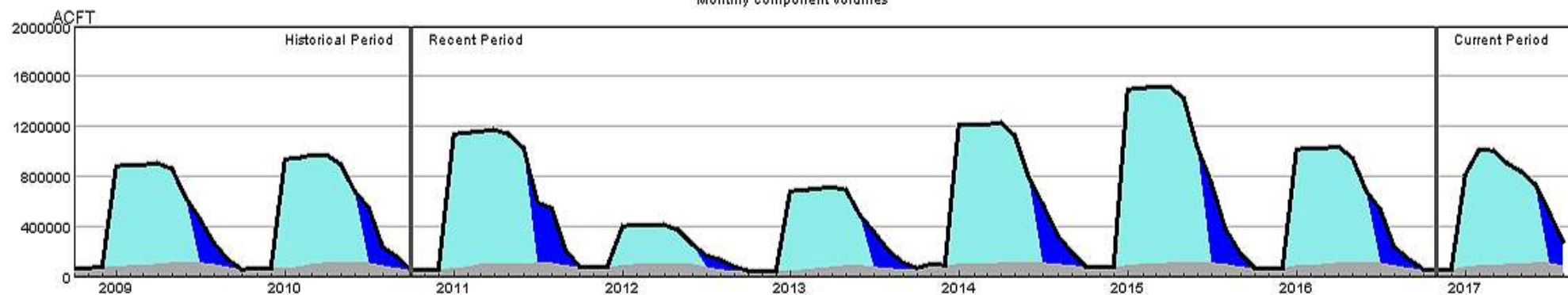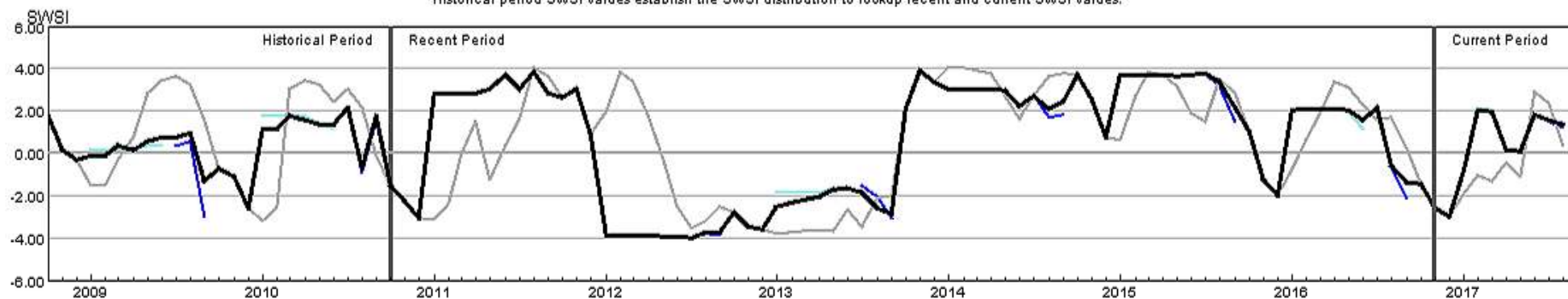# HUC 10190002 (Upper South Platte) SWSI

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

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

HUC 10190003 (Middle South Platte-Cherry Creek) Surface Water Supply
Monthly component volumes

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

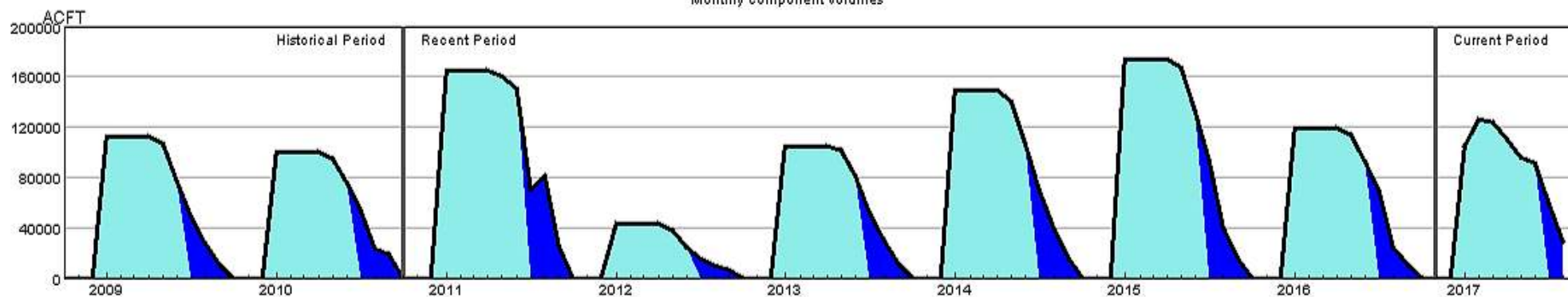HUC 10190003 (Middle South Platte-Cherry Creek) SWSI
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.

HUC:10190003-PrevMoStreamflow-SWSI
HUC:10190003-ForecastedRunoff-SWSI
HUC:10190003-ReservoirStorage-SWSI
HUC:10190003-DataComposite-SWSI
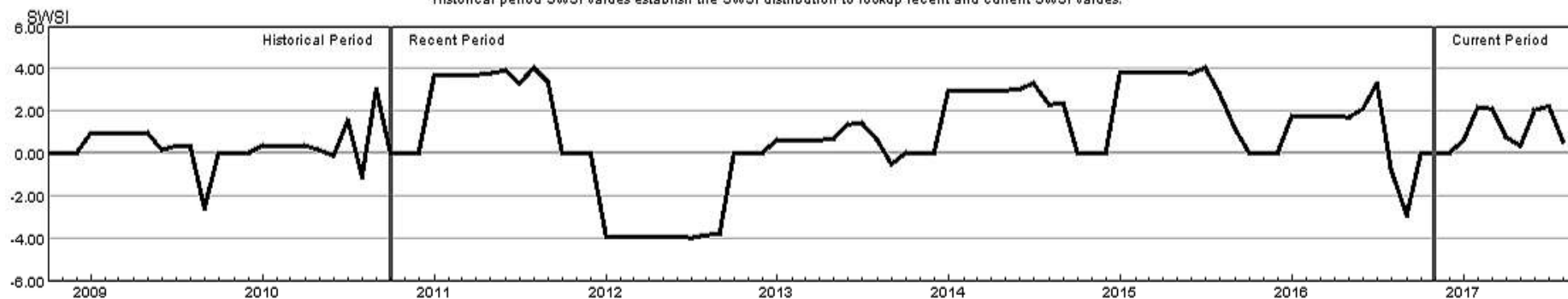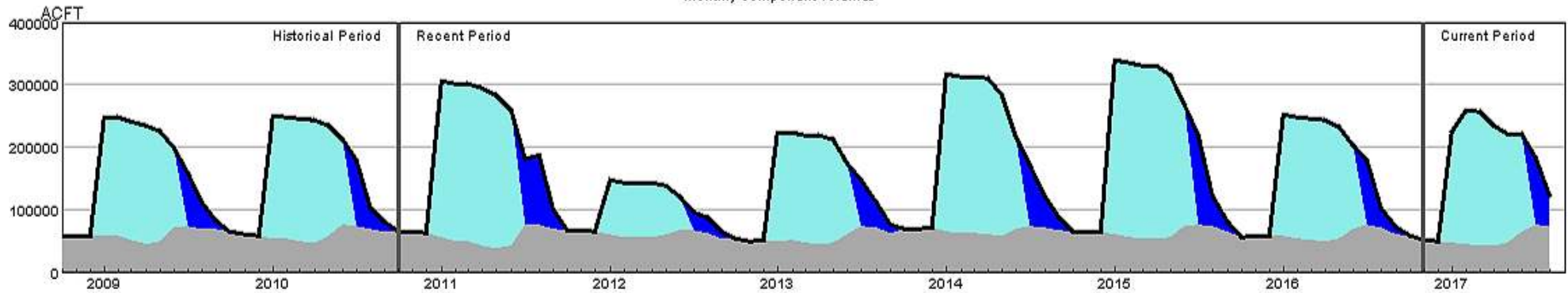
HUC 10190004 (Clear) Surface Water Supply
Monthly component volumes

Legend:
- HUC:10190004-DataComposite
- HUC:10190004-Component-PrevMoStreamflow
- HUC:10190004-Component-ForecastedRunoff
- HUC:10190004-Component-ReservoirStorage

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

Legend:
- HUC:10190004-PrevMoStreamflow-SWSI
- HUC:10190004-ForecastedRunoff-SWSI
- HUC:10190004-ReservoirStorage-SWSI
- HUC:10190004-DataComposite-SWSI
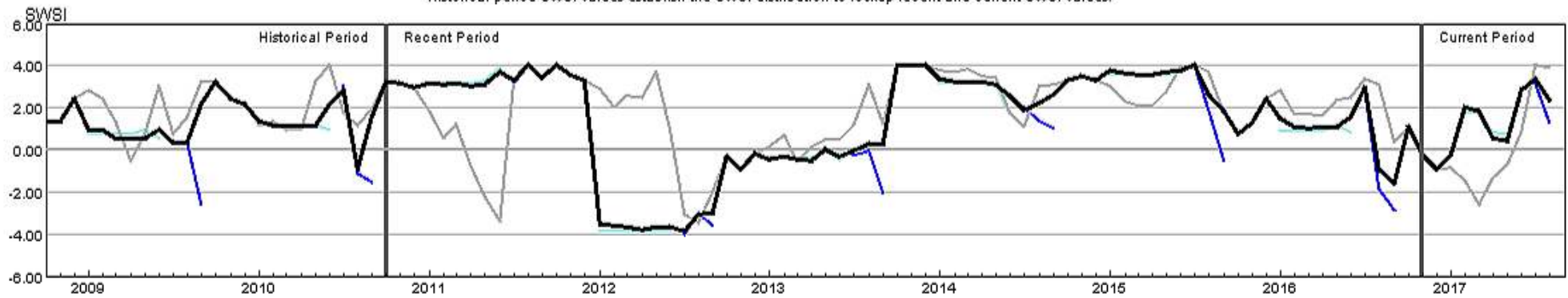
HUC 10190005 (St. Vrain) Surface Water Supply

Monthly component volumes

Legend:
- HUC:10190005-DataComposite
- HUC:10190005-Component-PrevMoStreamflow
- HUC:10190005-Component-ForecastedRunoff
- HUC:10190005-Component-ReservoirStorage
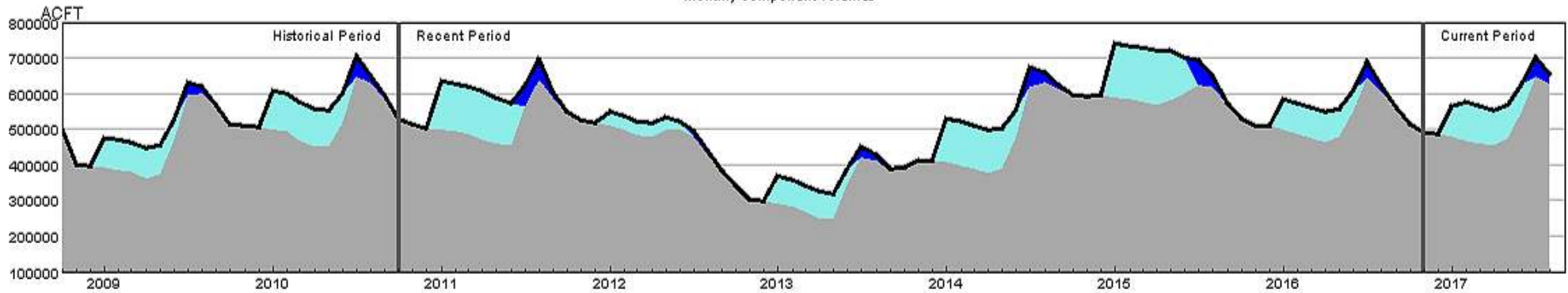
HUC 10190005 (St. Vrain) SWSI

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

Legend:
- HUC:10190005-PrevMoStreamflow-SWSI
- HUC:10190005-ForecastedRunoff-SWSI
- HUC:10190005-ReservoirStorage-SWSI
- HUC:10190005-DataComposite-SWSI
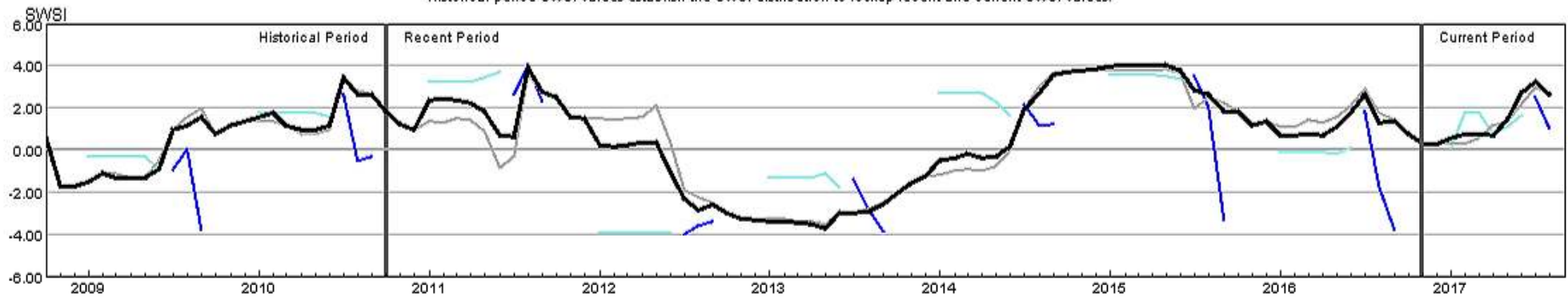
HUC 10190006 (Big Thompson) Surface Water Supply
Monthly component volumes

ACFT

Historical Period   Recent Period   Current Period

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

HUC 10190006 (Big Thompson) SWSI
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.

SWSI

Historical Period   Recent Period   Current Period

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

HUC 10190007 (Cache La Poudre) Surface Water Supply
Monthly component volumes

HUC:10190007-DataComposite
HUC:10190007-Component-PrevMoStreamflow
HUC:10190007-Component-ForecastedRunoff
HUC:10190007-Component-ReservoirStorage
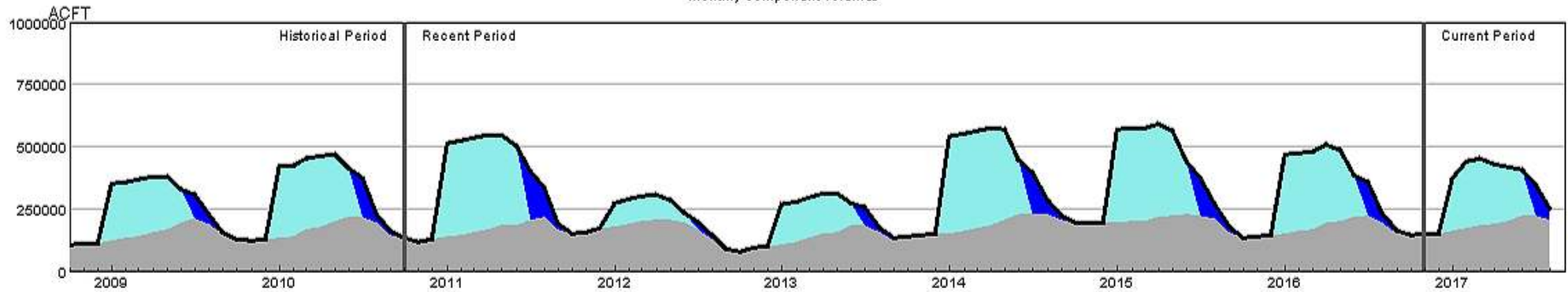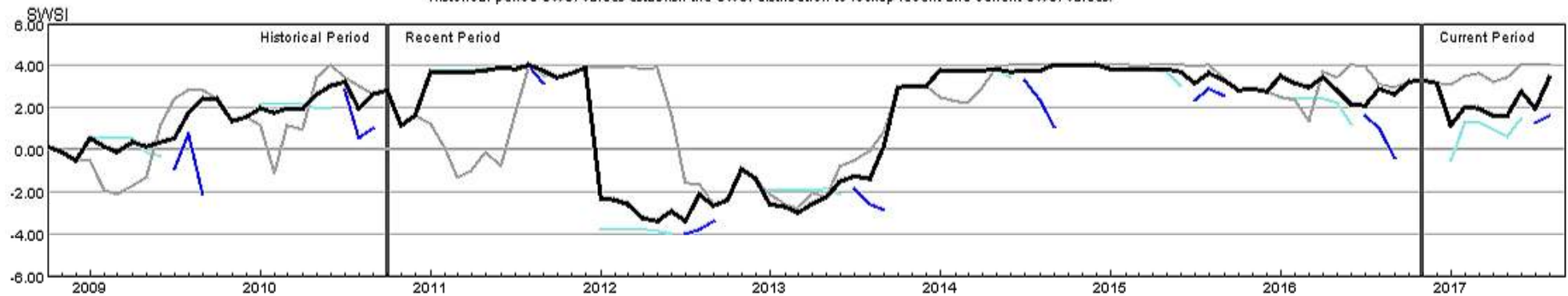
HUC 10190007 (Cache La Poudre) SWSI
Historical period SWSI values establish the SWSI distribution to lookup recent and current SWSI values.

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