

VIRGINIA DROUGHT MONITORING TASK FORCE
Drought Status Report
May, 2016

The Virginia Drought Monitoring Task Force (DMTF) met on Thursday, May 12th 2016 to discuss the status of drought monitoring and weather conditions across the Commonwealth of Virginia

Following an extended period of below normal precipitation across Virginia during March and the first half of April, rainfall during late April and early May 2016 has been well above normal. Average precipitation totals for the current water year (October 1, 2015 – May 11, 2016) are greater than normal for 11 of the 13 drought evaluation regions, with the remaining two regions (Big Sandy and Northern Piedmont) nearly normal (Appendix A).

The most recent [U.S. Drought Monitor](#) web page for Virginia (as of May 12, 2016) shows abnormally dry conditions (D0) across approximately 16% of the Commonwealth (Appendix B). The abnormally dry regions are mainly within the southwestern portion of the state (primarily the Big Sandy drought evaluation region). The National Weather Service ([NWS](#)) 8-14 day precipitation outlook for the May 23 - 29, 2016 period predicts variable precipitation across Virginia, with 33% to 40% probabilities for below normal rainfall in the east and above normal rainfall in the southwest. The NWS long-term outlooks (one month and three month periods) predict equal chances for below or above normal rainfall.

Reports from the U.S. Geological Survey, the Virginia State Climatology Office, the Virginia Department of Agriculture and Consumers Services, the Virginia Department of Health-Office of Drinking Water and the Virginia Department of Environmental Quality (DEQ) follow. The DEQ report is a listing of recent conditions at the 4 large multi-purpose reservoirs listed as key reservoir storage indicators in the [Virginia Drought Assessment and Response Plan](#).

The next meeting of the Virginia DMTF will be a teleconference and is scheduled for Thursday, July 14th, 2016, from 1:30 pm to 2:30 pm.

U.S. Geological Survey Report May 12, 2016

Streamflows are at normal to above normal conditions across most of the Commonwealth. Some basins in the far southwestern parts of the Commonwealth have below normal flow conditions in response to below average precipitation (fig. 1). Drought conditions are absent for both short- and long-term periods except for a few basins below normal 28-day conditions in southwestern Virginia (fig. 2).

Groundwater levels for observation wells in the Virginia Climate Response Network range from normal to record monthly levels (fig. 3). Many of the wells show additional water-level rises in response to above normal precipitation towards the end of the critical recharge period (fig. 4). All of the network wells (table 1) have water levels in the normal to well above normal percentile classes. (<http://groundwaterwatch.usgs.gov/NetMapT1L2.asp?ncd=crn&sc=51>).

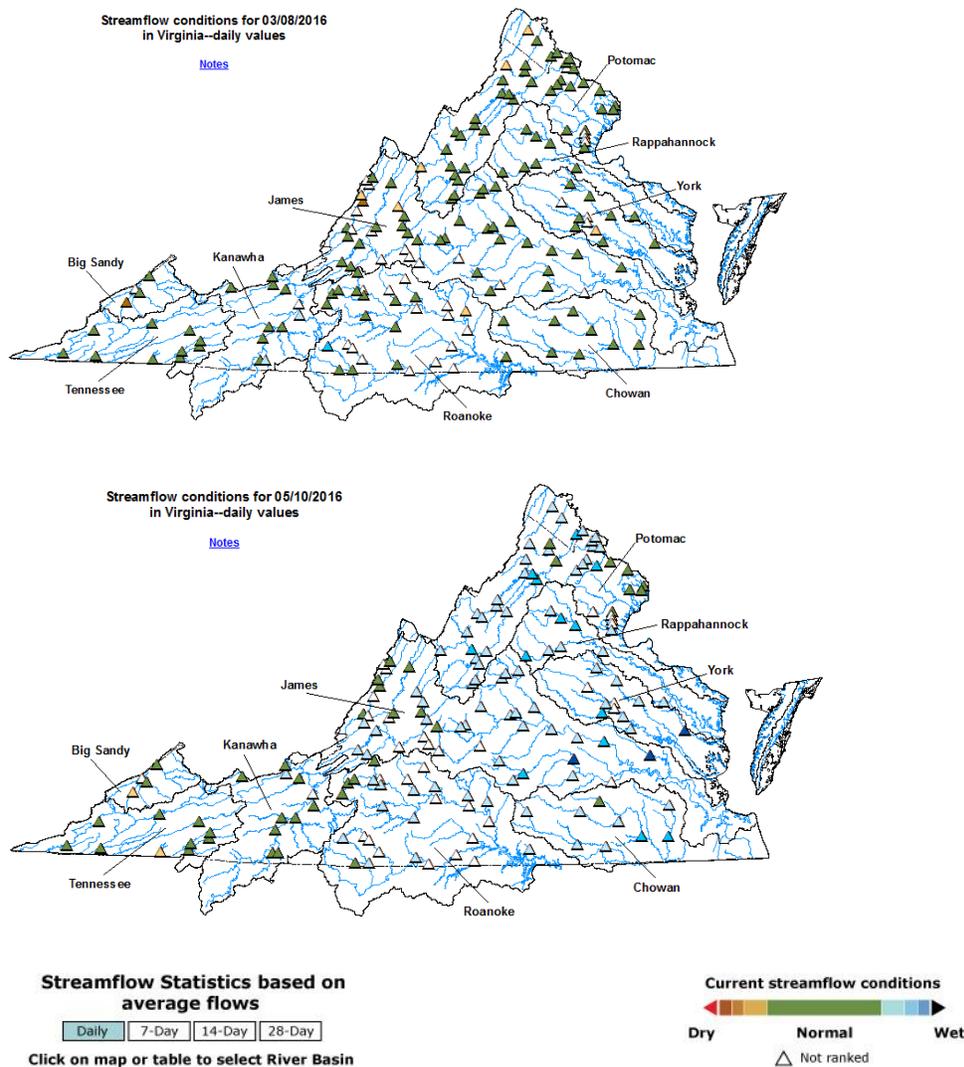
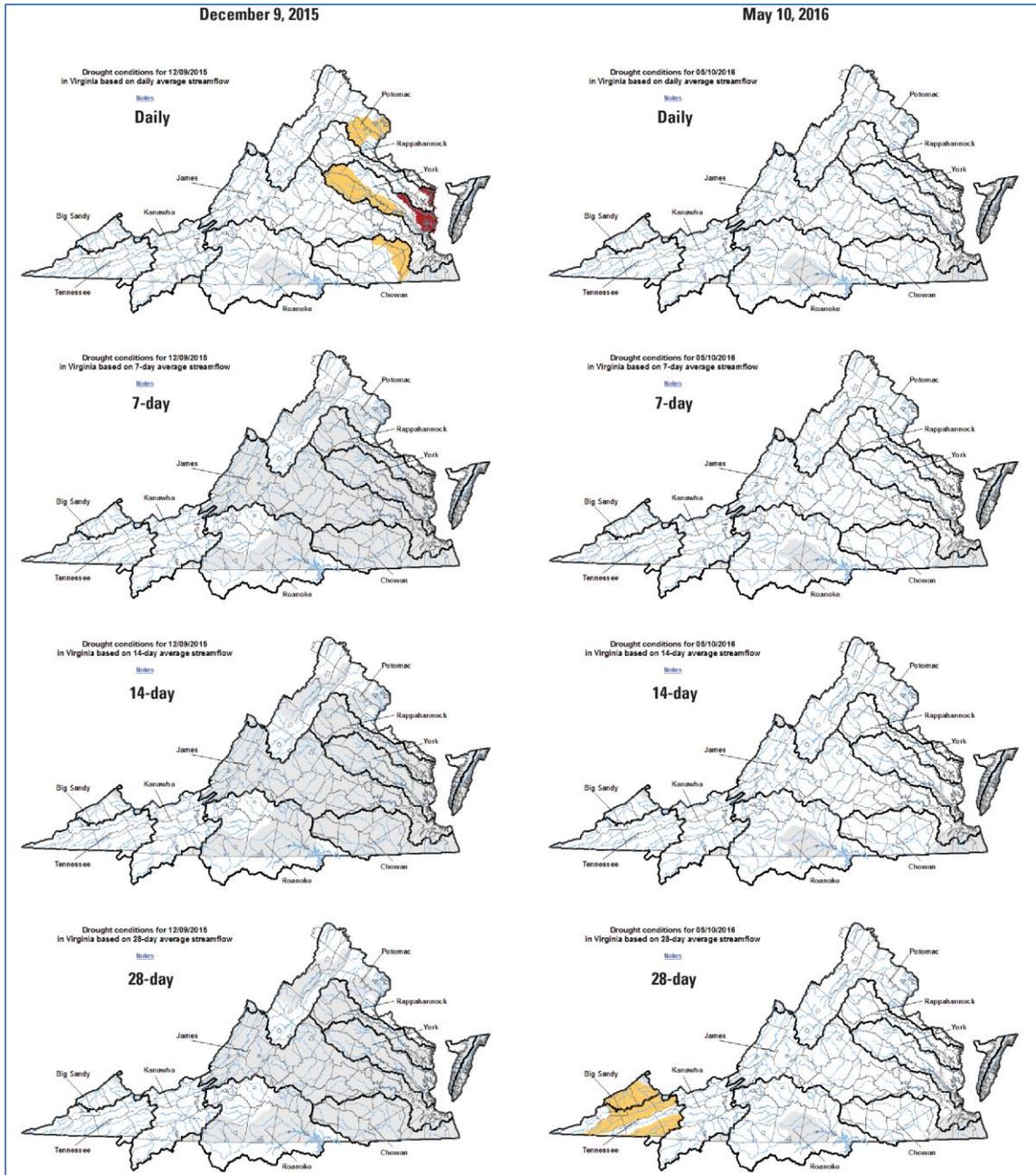


Figure 1. Streamflow conditions for (A) March 8, 2016 and (B) May 10, 2016 in Virginia.



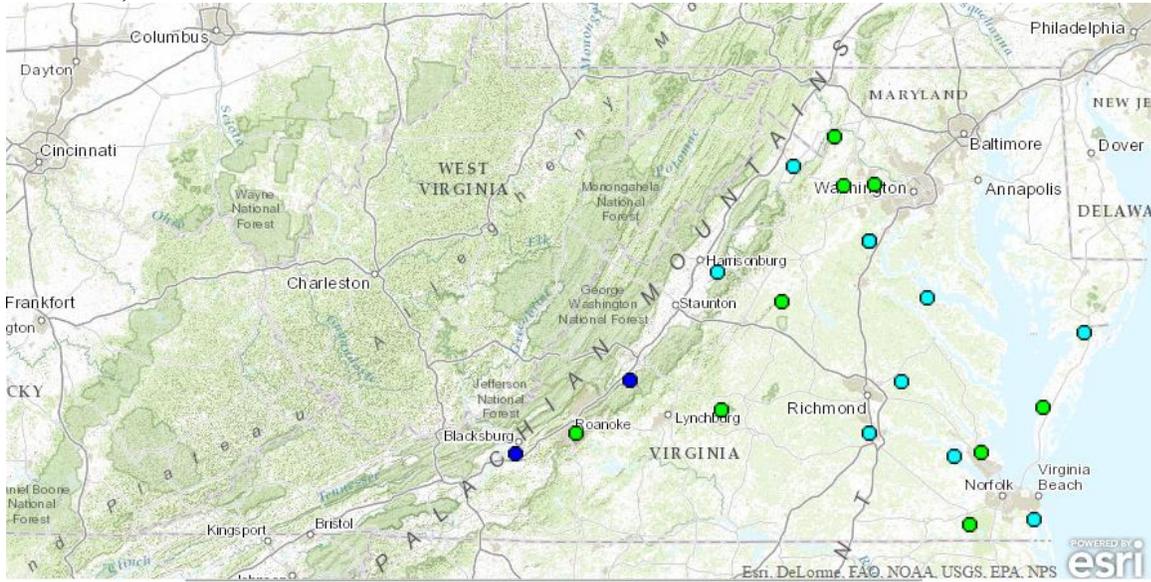
Streamflow Statistics based on average flows

Daily
 7-Day
 14-Day
 28-Day

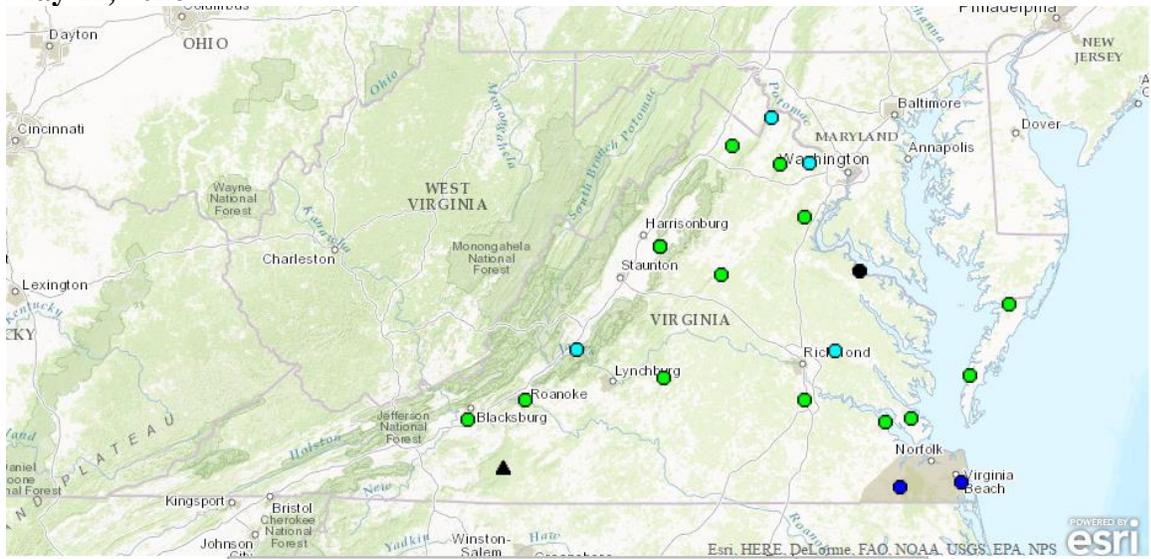
EXPLANATION - Percentile classes				
Low	≤5	6-9	10-24	Insufficient data
Extreme drought	Severe drought	Moderate drought	Below normal	

Figure 2. Comparison of drought conditions in Virginia based on daily, 7-, 14-, and 28-day average streamflows referenced to December 9, 2015 and May 10, 2016.

March 8, 2015

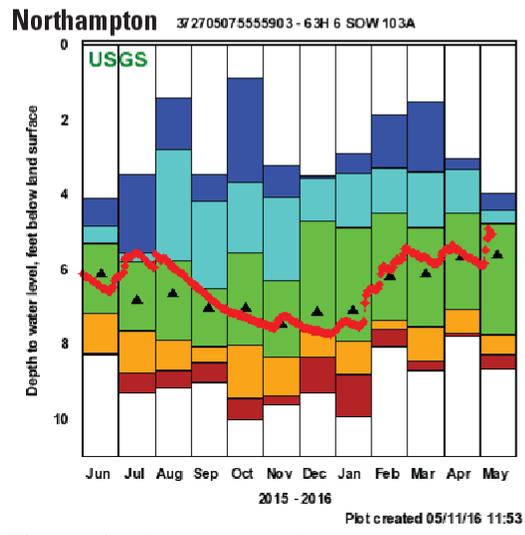
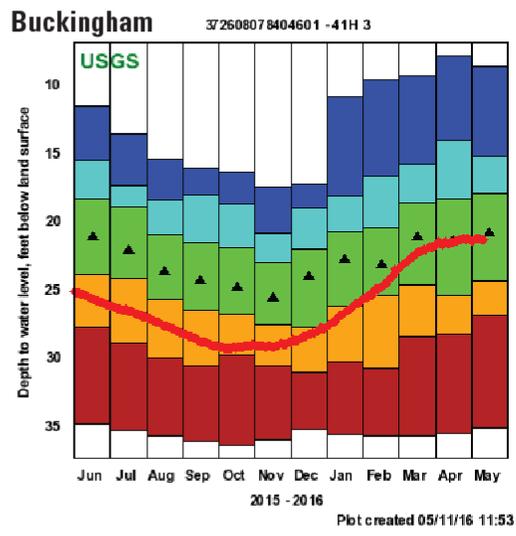
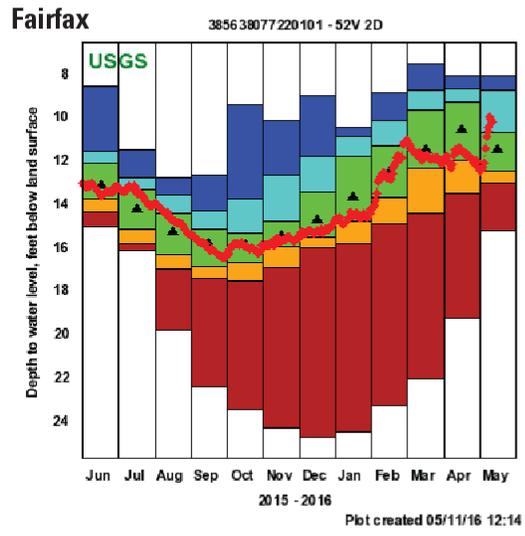
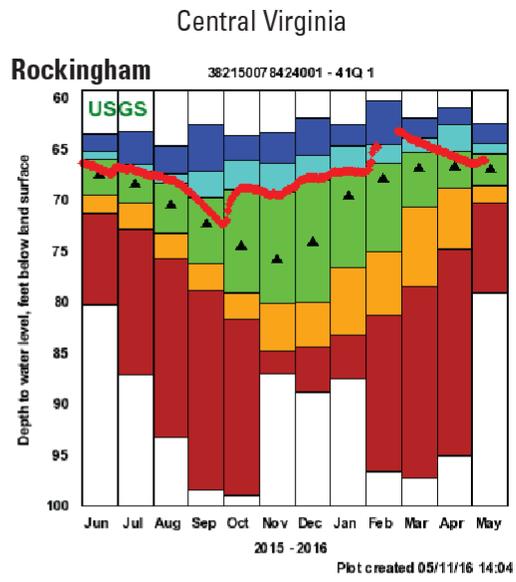
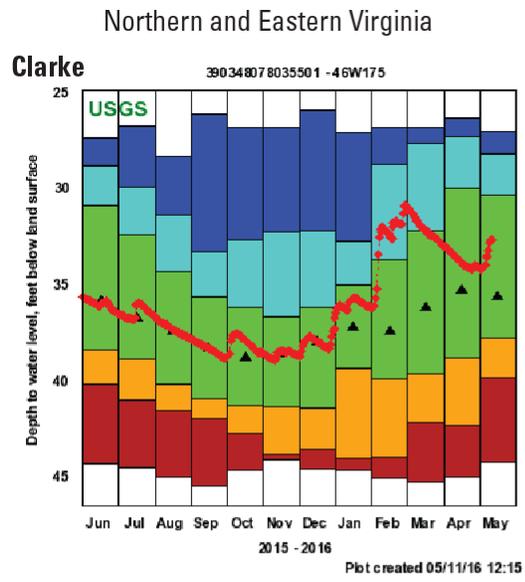


May 11, 2016



Explanation - Percentile classes (symbol color based on most recent measurement)							
●	●	●	●	●	●	●	●
Low	<10	10-24	25-75	76-90	>90	High	Not Ranked
	Much Below Normal	Below Normal	Normal	Above Normal	Much Above Normal		

Figure 3. Groundwater-level conditions from the Virginia Climate Response Network for March 8, 2016 and May 11, 2016. <http://groundwaterwatch.usgs.gov/NetMapT1L2.asp?ncd=crn&sc=51>



EXPLANATION

Percentile class

	100
	90
	75
	25
	10
	0

◆ Data Point
▲ Monthly median

Figure 4. Hydrographs from selected wells showing groundwater levels in Virginia from June 1, 2015 to present.

Table 1. Current percentile classes for groundwater levels in the Virginia Climate Response Network (VA-CRN), May 11, 2016.

[Groundwater levels are classified as normal between the 25th and 75th percentiles. Site names in red are shown on figure 4.]

Map index	Site ID	Site name	10-Jun-15	9-Sep-15	7-Oct-15	9-Dec-15	11-May-16
1	363928076332901	58B 13	50-75	50-75	50-75	50-75	>90
2	364126076003501	62B 1 SOW 098A	50-75	25-50	50-75	75-90	>90
3	364732080070301	30C 1 SOW 010	ND	ND	ND	ND	75-90
4	370712076413203	57E 13 SOW 094C	50-75	50-75	50-75	50-75	25-50
5	370812080261901	27F 2 SOW 019	50-75	50-75	>90	>90	50-75
6	370841076275204	59F 74 SOW 184C	50-75	10-25	75-90	25-50	50-75
7	371644077244601	51G 1	75-90	50-75	50-75	50-75	50-75
8	371653079552101	31G 1 SOW 008	10-25	10-25	50-75	25-50	25-50
9	372608078404601	41H 3	10-25	10-25	10-25	10-25	25-50
10	372705075555903	63H 6 SOW 103A	25-50	50-75	25-50	25-50	50-75
11	373737077083201	53K 19 SOW 080	75-90	50-75	50-75	50-75	75-90
12	373758079271601	35K 1 SOW 063	25-50	25-50	50-75	>90	75-90
13	375723075344404	66M 19 SOW 110S	>90	25-50	50-75	50-75	50-75
14	381002078094201	45P 1 SOW 030	25-50	50-75	75-90	50-75	50-75
15	381132076551001	55P 9	>90	25-50		25-50	High
16	382150078424001	41Q 1	50-75	50-75	50-75	75-90	50-75
17	383423077245901	51S 7	25-50	50-75	50-75	25-50	50-75
18	385607077381101	49V 1	25-50	25-50	75-90	50-75	25-50
19	385638077220101	52V 2D	25-50	50-75	25-50	25-50	75-90
20	390348078035501	46W175	25-50	50-75	50-75	50-75	50-75
21	391542077423801	49Y 1 SOW 022	10-25	25-50	50-75	25-50	75-90

**Report from the Climatology Office at the University of Virginia
May 12, 2016**

Across the Commonwealth, precipitation totals for the months of March and April were well below normal. However, the consistent presence of rainfall events from the end of April to date have contributed significantly to moisture inputs as the growing season gets well under way. All Drought Regions have received well above normal amounts for the first third of May, with some Regions topping the 300% mark.

Although none of the daily rainfall amounts have been particularly impressive, the number of rainy days has been. Some locations approached record values for consecutive days with measurable precipitation. The lack of extreme rainfall rates has generally kept immediate runoff down. In addition, the persistent cloud cover has helped to keep temperatures down and led to reduced evapotranspiration. These two factors have enhanced the opportunity of moisture to penetrate into the deep soil and groundwater layers.

Despite the comparative lack of thunderstorm activity recently, we are now in the time of year when these systems usually become the major source of rainfall. As such, rainfall amounts throughout the rest of the growing season are usually quite varied across Virginia. This can lead to small areas with shortages of moisture while others may see surpluses. Also, short-term moisture shortages, at least in some areas, are still likely to occur, since much agriculture in Virginia (row and pasture crops) depends on topsoil moisture levels and timing, which varies over the course of a week or two.

Overall, ample precipitation in all Regions during the colder period of the year (in this case, October through early May) has left most of the state with a good outlook regarding water supplies and other long-term moisture needs, as we transition to the time of year when a net deficit of moisture is typical.

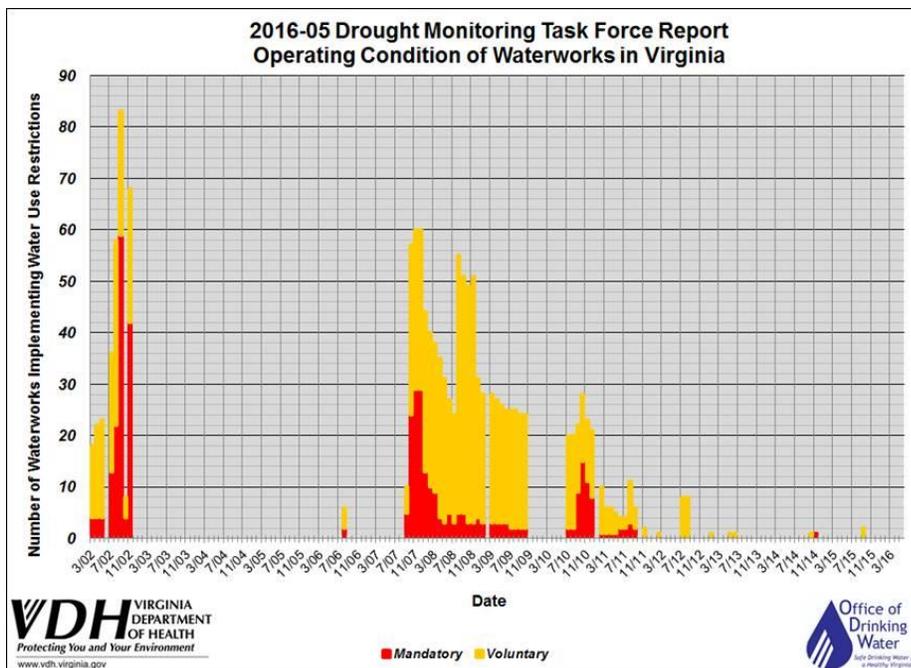
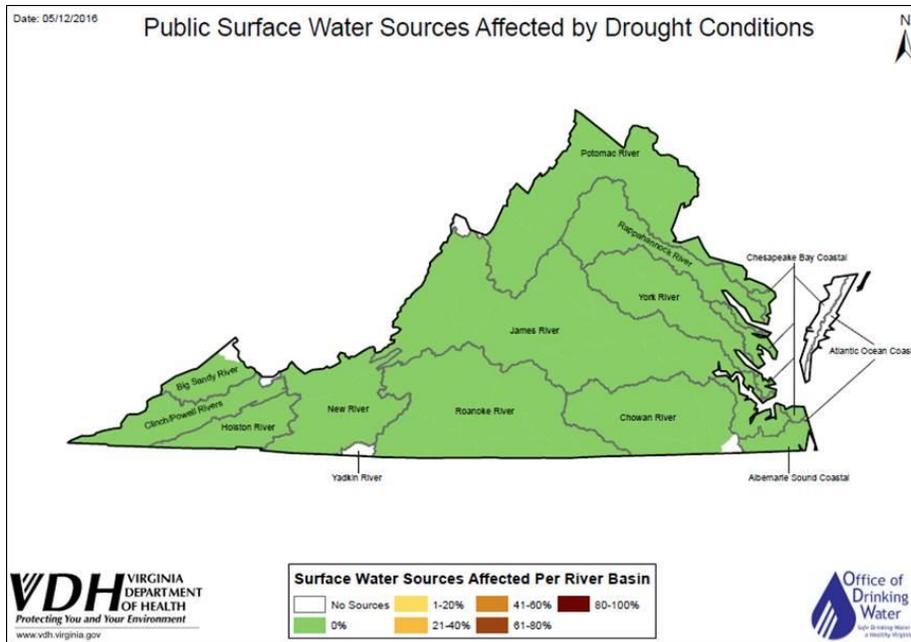
**Virginia Department of Agriculture and Consumer Services
Status of Agricultural Drought: May, 2016**

Growers in Southside Virginia report that a dry April impacted tobacco and vegetable planting, as many growers waited for rain before planting. Following the recent rain received throughout the state, many growers report that they have had to delay planting their crops due to the wet conditions. Growers throughout the state also report that wet conditions are preventing growers from applying fungicides intended to deter head scab and other diseases.

Virginia Department of Health – Office of Drinking Water

As of May, 2016, no waterworks are implementing water use restrictions in Virginia.

VDH-ODW's Drought Monitoring map and trend are illustrated below. The map reflects the percentage of public surface water sources operating under drought restrictions within the main river basins of Virginia. The trend shows the amount of waterworks that have been affected by drought conditions since March, 2002.



Virginia Department of Environmental Quality
Conditions of Major Drought Indicator Reservoirs
May, 2016

Four large multi-purpose reservoirs are identified as drought indicators in the Virginia Drought Assessment and Response Plan: Smith Mountain Lake, Lake Moomaw, Lake Anna and Kerr Reservoir. Below is a summary of reported conditions at these reservoirs on May 16, 2016:

- **Smith Mountain Lake** was at an adjusted elevation of 795.22 ft, 0.22 ft above full pool level and 2.22 ft above Watch level. The adjusted elevation is the level the lake would be if the water currently held in the lower Leesville Lake for reuse were pumped back into Smith Mountain Lake. Recent inflows to Smith Mountain Lake have been above normal.
- **Lake Moomaw** on the Jackson River was at 1582.02, which is 0.02 ft above the top of the conservation pool (1582.0 feet MSL) and 17.02 ft above the Drought Watch level. Inflows to Lake Moomaw have recently been above normal.
- **Lake Anna** was at elevation 250.2 ft. The Drought Watch stage for Lake Anna Lake is elevation 248 feet and below.
- **Kerr Reservoir** was at 306.39 feet, which is 4.39 ft above the guide curve level for this time period and therefore 7.39 ft above Drought Watch status. Inflows to Kerr Reservoir have recently well been above the median values for May.

Table 2: Current water levels at Drought Indicator Reservoirs:

Reservoir Name	Date / Time	Reported Elevation (ft msl)	Drought Watch Range (ft msl)	Drought Warning Range (ft msl)	Current Guide Curve Elevation) ft msl)	Drought Evaluation Region(s) represented
Smith Mt Lake	May 16 th /0905	795.22	793 – 791.5	791.5 – 790.0		Roanoke River
Lake Moomaw	May 16th / 07:30	1582.02	1565 – 1562.5	1562.5 – 1560.0		Upper & Middle James River
Lake Anna	May 16th	250.2	248 - 246	246 – 244		Northern Piedmont
Kerr Reservoir	May 16th / 0800	306.39	3 – 6 ft below guide curve	> 6 ft below guide curve	302.00	Roanoke River, Southeast Virginia

APPENDIX A

PRELIMINARY PRECIPITATION SUMMARY

Prepared:
5/12/15

DROUGHT REGION		OBSERVED	May 1, 2016 NORMAL	- May 11, 2016 DEPARTURE	% OF NORM.
1	Big Sandy	2.31	1.71	0.60	135%
2	New River	2.40	1.49	0.91	161%
3	Roanoke	3.84	1.54	2.30	250%
4	Upper James	2.93	1.52	1.41	193%
5	Middle James	4.02	1.50	2.52	267%
6	Shenandoah	3.17	1.36	1.81	233%
7	Northern Virginia	3.15	1.54	1.61	205%
8	Northern Piedmont	3.46	1.50	1.96	231%
9	Chowan	2.71	1.45	1.26	187%
10	Northern Coastal Plain	5.21	1.48	3.73	353%
11	York-James	4.98	1.52	3.46	329%
12	Southeast Virginia	3.15	1.37	1.78	230%
13	Eastern Shore	3.78	1.25	2.53	303%
	Statewide	3.39	1.51	1.88	224%

DROUGHT REGION		OBSERVED	Apr 1, 2016 NORMAL	- May 11, 2016 DEPARTURE	% OF NORM.
1	Big Sandy	4.85	5.47	-0.62	89%
2	New River	4.22	5.04	-0.82	84%
3	Roanoke	6.04	5.34	0.70	113%
4	Upper James	4.90	4.92	-0.02	100%
5	Middle James	6.63	4.84	1.79	137%
6	Shenandoah	4.91	4.28	0.63	115%
7	Northern Virginia	5.01	4.84	0.17	104%
8	Northern Piedmont	5.46	4.79	0.67	114%
9	Chowan	4.74	4.88	-0.14	97%
10	Northern Coastal Plain	7.61	4.57	3.04	167%
11	York-James	8.01	4.82	3.19	166%
12	Southeast Virginia	5.66	4.62	1.04	123%
13	Eastern Shore	5.60	4.17	1.43	134%
	Statewide	5.59	4.93	0.66	113%

DROUGHT REGION		OBSERVED	Mar 1, 2016 NORMAL	- May 11, 2016 DEPARTURE	% OF NORM.
1	Big Sandy	6.43	9.72	-3.29	66%
2	New River	6.55	8.71	-2.16	75%
3	Roanoke	8.87	9.61	-0.74	92%
4	Upper James	6.80	8.71	-1.91	78%
5	Middle James	8.50	8.90	-0.40	95%
6	Shenandoah	6.40	7.48	-1.08	86%
7	Northern Virginia	6.44	8.50	-2.06	76%
8	Northern Piedmont	6.72	8.60	-1.88	78%

9	Chowan	6.94	9.25	-2.31	75%
10	Northern Coastal Plain	8.75	8.85	-0.10	99%
11	York-James	10.34	9.51	0.83	109%
12	Southeast Virginia	9.14	8.82	0.32	104%
13	Eastern Shore	7.85	8.48	-0.63	93%
	Statewide	7.56	8.97	-1.41	84%

DROUGHT REGION		OBSERVED	Feb 1, 2016 NORMAL	- May 11, 2016 DEPARTURE	% OF NORM.
1	Big Sandy	10.28	13.30	-3.02	77%
2	New River	11.23	11.64	-0.41	96%
3	Roanoke	13.95	12.92	1.03	108%
4	Upper James	11.31	11.56	-0.25	98%
5	Middle James	13.46	12.02	1.44	112%
6	Shenandoah	9.90	9.89	0.01	100%
7	Northern Virginia	10.05	11.17	-1.12	90%
8	Northern Piedmont	10.68	11.57	-0.89	92%
9	Chowan	12.18	12.42	-0.24	98%
10	Northern Coastal Plain	13.14	11.99	1.15	110%
11	York-James	14.87	13.04	1.83	114%
12	Southeast Virginia	15.07	12.32	2.75	122%
13	Eastern Shore	12.91	11.67	1.24	111%
	Statewide	12.11	12.10	0.01	100%

DROUGHT REGION		OBSERVED	Jan 1, 2016 NORMAL	- May 11, 2016 DEPARTURE	% OF NORM.
1	Big Sandy	12.84	17.03	-4.19	75%
2	New River	13.70	14.85	-1.15	92%
3	Roanoke	16.94	16.84	0.10	101%
4	Upper James	14.29	14.84	-0.55	96%
5	Middle James	16.62	15.68	0.94	106%
6	Shenandoah	13.14	12.74	0.40	103%
7	Northern Virginia	14.00	14.45	-0.45	97%
8	Northern Piedmont	13.66	15.09	-1.43	91%
9	Chowan	14.62	16.53	-1.91	88%
10	Northern Coastal Plain	15.55	15.74	-0.19	99%
11	York-James	18.23	17.18	1.05	106%
12	Southeast Virginia	18.75	16.48	2.27	114%
13	Eastern Shore	16.49	15.23	1.26	108%
	Statewide	15.06	15.74	-0.68	96%

DROUGHT REGION		OBSERVED	Dec 1, 2015 NORMAL	- May 11, 2016 DEPARTURE	% OF NORM.
1	Big Sandy	18.14	20.67	-2.53	88%
2	New River	19.05	17.56	1.49	108%
3	Roanoke	23.56	20.09	3.47	117%
4	Upper James	19.01	17.79	1.22	107%
5	Middle James	22.28	18.85	3.43	118%

6	Shenandoah	16.52	15.33	1.19	108%
7	Northern Virginia	18.17	17.55	0.62	104%
8	Northern Piedmont	17.23	18.37	-1.14	94%
9	Chowan	20.01	19.55	0.46	102%
10	Northern Coastal Plain	20.40	19.02	1.38	107%
11	York-James	21.57	20.57	1.00	105%
12	Southeast Virginia	22.57	19.66	2.91	115%
13	Eastern Shore	20.27	18.47	1.80	110%
	Statewide	20.08	18.86	1.22	106%

DROUGHT		Nov 1, 2015 - May 11, 2016			
REGION	OBSERVED	NORMAL	DEPARTURE	% OF NORM.	
1	Big Sandy	21.34	23.95	-2.61	89%
2	New River	23.51	20.59	2.92	114%
3	Roanoke	28.82	23.45	5.37	123%
4	Upper James	21.97	21.15	0.82	104%
5	Middle James	26.15	22.36	3.79	117%
6	Shenandoah	18.91	18.38	0.53	103%
7	Northern Virginia	20.46	20.96	-0.50	98%
8	Northern Piedmont	19.77	22.17	-2.40	89%
9	Chowan	24.28	22.66	1.62	107%
10	Northern Coastal Plain	24.15	22.16	1.99	109%
11	York-James	26.02	23.94	2.08	109%
12	Southeast Virginia	27.00	22.73	4.27	119%
13	Eastern Shore	23.91	21.41	2.50	112%
	Statewide	23.81	22.09	1.72	108%

DROUGHT		Oct 1, 2015 - May 11, 2016			
REGION	OBSERVED	NORMAL	DEPARTURE	% OF NORM.	
1	Big Sandy	25.29	26.83	-1.54	94%
2	New River	28.62	23.76	4.86	120%
3	Roanoke	33.93	27.16	6.77	125%
4	Upper James	25.84	24.40	1.44	106%
5	Middle James	31.11	26.20	4.91	119%
6	Shenandoah	23.36	21.57	1.79	108%
7	Northern Virginia	24.38	24.44	-0.06	100%
8	Northern Piedmont	24.36	26.16	-1.80	93%
9	Chowan	28.60	26.24	2.36	109%
10	Northern Coastal Plain	29.00	25.67	3.33	113%
11	York-James	32.16	27.47	4.69	117%
12	Southeast Virginia	32.02	26.39	5.63	121%
13	Eastern Shore	27.56	24.62	2.94	112%
	Statewide	28.43	25.59	2.84	111%

DROUGHT		Sep 1, 2015 - May 11, 2016			
REGION	OBSERVED	NORMAL	DEPARTURE	% OF NORM.	
1	Big Sandy	28.79	30.29	-1.50	95%

2	New River	37.42	27.17	10.25	138%
3	Roanoke	41.97	31.39	10.58	134%
4	Upper James	31.69	27.90	3.79	114%
5	Middle James	36.68	30.33	6.35	121%
6	Shenandoah	29.31	25.24	4.07	116%
7	Northern Virginia	27.80	28.51	-0.71	98%
8	Northern Piedmont	30.91	30.44	0.47	102%
9	Chowan	33.60	30.67	2.93	110%
10	Northern Coastal Plain	32.95	29.76	3.19	111%
11	York-James	37.81	32.37	5.44	117%
12	Southeast Virginia	36.62	30.82	5.80	119%
13	Eastern Shore	31.02	28.23	2.79	110%
	Statewide	34.18	29.59	4.59	116%

DROUGHT		Aug 1, 2015 - May 11, 2016			
REGION	OBSERVED	NORMAL	DEPARTURE	% OF NORM.	
1	Big Sandy	32.20	34.12	-1.92	94%
2	New River	40.61	30.48	10.13	133%
3	Roanoke	44.73	35.11	9.62	127%
4	Upper James	34.41	31.23	3.18	110%
5	Middle James	39.17	34.15	5.02	115%
6	Shenandoah	30.64	28.57	2.07	107%
7	Northern Virginia	30.10	32.36	-2.26	93%
8	Northern Piedmont	31.97	34.26	-2.29	93%
9	Chowan	36.23	34.98	1.25	104%
10	Northern Coastal Plain	35.57	33.62	1.95	106%
11	York-James	40.74	37.24	3.50	109%
12	Southeast Virginia	39.00	35.94	3.06	109%
13	Eastern Shore	33.38	32.10	1.28	104%
	Statewide	36.69	33.42	3.27	110%

DROUGHT		Jul 1, 2015 - May 11, 2016			
REGION	OBSERVED	NORMAL	DEPARTURE	% OF NORM.	
1	Big Sandy	39.01	38.60	0.41	101%
2	New River	45.90	34.27	11.63	134%
3	Roanoke	49.45	39.50	9.95	125%
4	Upper James	39.18	35.27	3.91	111%
5	Middle James	43.56	38.56	5.00	113%
6	Shenandoah	34.72	32.33	2.39	107%
7	Northern Virginia	34.85	36.13	-1.28	96%
8	Northern Piedmont	37.16	38.66	-1.50	96%
9	Chowan	41.30	39.49	1.81	105%
10	Northern Coastal Plain	40.37	38.07	2.30	106%
11	York-James	46.39	42.34	4.05	110%
12	Southeast Virginia	45.10	41.01	4.09	110%
13	Eastern Shore	37.91	36.10	1.81	105%
	Statewide	41.71	37.76	3.95	110%

DROUGHT REGION		OBSERVED	Jun 1, 2015 NORMAL	- May 11, 2016 DEPARTURE	% OF NORM.
1	Big Sandy	44.43	42.74	1.69	104%
2	New River	50.41	38.12	12.29	132%
3	Roanoke	56.22	43.39	12.83	130%
4	Upper James	44.64	38.98	5.66	115%
5	Middle James	50.77	42.07	8.70	121%
6	Shenandoah	40.83	36.04	4.79	113%
7	Northern Virginia	43.02	39.99	3.03	108%
8	Northern Piedmont	43.92	42.67	1.25	103%
9	Chowan	50.95	43.14	7.81	118%
10	Northern Coastal Plain	49.13	41.63	7.50	118%
11	York-James	55.70	45.75	9.95	122%
12	Southeast Virginia	52.30	44.62	7.68	117%
13	Eastern Shore	42.38	39.08	3.30	108%
	Statewide	48.58	41.55	7.03	117%

DROUGHT REGION		OBSERVED	May 1, 2015 NORMAL	- May 11, 2016 DEPARTURE	% OF NORM.
1	Big Sandy	46.28	47.56	-1.28	97%
2	New River	52.70	42.33	10.37	124%
3	Roanoke	57.84	47.72	10.12	121%
4	Upper James	46.82	43.26	3.56	108%
5	Middle James	52.67	46.31	6.36	114%
6	Shenandoah	43.84	39.88	3.96	110%
7	Northern Virginia	45.22	44.33	0.89	102%
8	Northern Piedmont	46.84	46.89	-0.05	100%
9	Chowan	52.87	47.23	5.64	112%
10	Northern Coastal Plain	51.07	45.79	5.28	112%
11	York-James	58.02	50.02	8.00	116%
12	Southeast Virginia	54.65	48.48	6.17	113%
13	Eastern Shore	45.01	42.60	2.41	106%
	Statewide	50.71	45.81	4.90	111%

DROUGHT REGION		OBSERVED	Apr 1, 2015 NORMAL	- May 11, 2016 DEPARTURE	% OF NORM.
1	Big Sandy	51.54	51.32	0.22	100%
2	New River	58.26	45.88	12.38	127%
3	Roanoke	62.00	51.52	10.48	120%
4	Upper James	53.11	46.66	6.45	114%
5	Middle James	57.03	49.65	7.38	115%
6	Shenandoah	47.75	42.80	4.95	112%
7	Northern Virginia	48.34	47.63	0.71	101%
8	Northern Piedmont	51.84	50.18	1.66	103%
9	Chowan	55.83	50.66	5.17	110%
10	Northern Coastal Plain	55.29	48.88	6.41	113%

11	York-James	62.09	53.32	8.77	116%
12	Southeast Virginia	58.81	51.73	7.08	114%
13	Eastern Shore	49.72	45.52	4.20	109%
	Statewide	55.17	49.23	5.94	112%

DROUGHT			Mar 1, 2015	- May 11, 2016	
REGION	OBSERVED	NORMAL	DEPARTURE	% OF NORM.	
1	Big Sandy	57.49	55.57	1.92	103%
2	New River	61.78	49.55	12.23	125%
3	Roanoke	65.23	55.79	9.44	117%
4	Upper James	56.97	50.45	6.52	113%
5	Middle James	61.25	53.71	7.54	114%
6	Shenandoah	50.43	46.00	4.43	110%
7	Northern Virginia	51.95	51.29	0.66	101%
8	Northern Piedmont	55.13	53.99	1.14	102%
9	Chowan	59.98	55.03	4.95	109%
10	Northern Coastal Plain	58.70	53.16	5.54	110%
11	York-James	65.78	58.01	7.77	113%
12	Southeast Virginia	62.43	55.93	6.50	112%
13	Eastern Shore	52.88	49.83	3.05	106%
	Statewide	59.01	53.27	5.74	111%

APPENDIX B

U.S. Drought Monitor Virginia

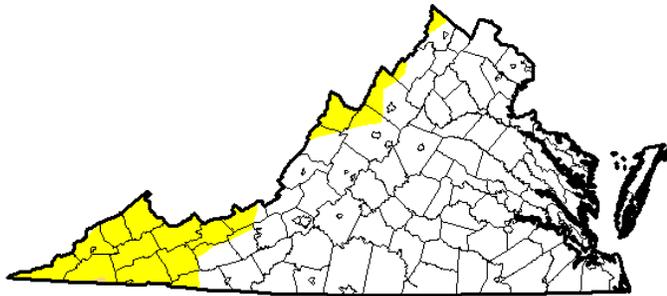
May 10, 2016

(Released Thursday, May 12, 2016)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	83.67	16.33	0.09	0.00	0.00	0.00
Last Week <i>5/2/2016</i>	33.91	66.09	3.67	0.00	0.00	0.00
3 Months Ago <i>2/9/2016</i>	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year <i>12/29/2015</i>	99.99	0.01	0.00	0.00	0.00	0.00
Start of Water Year <i>9/29/2015</i>	60.97	39.03	0.00	0.00	0.00	0.00
One Year Ago <i>5/12/2015</i>	100.00	0.00	0.00	0.00	0.00	0.00



Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

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<http://droughtmonitor.unl.edu/>