

**2019 Water Mission Area  
U.S. Geological Survey**



# January 2019

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Notes:		<b>1</b> 	<b>2</b> Reversal of the Chicago River 1900	<b>3</b>	<b>4</b> Isaac Newton b 1643	<b>5</b> 
<b>6</b> Clarence King b 1842	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b> Aldo Leopold b 1887	<b>12</b> Haiti Earthquake 2010 Magnitude 7.0
<b>13</b>	<b>14</b> 	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>
<b>20</b>	<b>21</b>  Martin Luther King Jr Day	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>
<b>27</b> 	<b>28</b>	<b>29</b>	<b>30</b>	<b>31</b>		

Travis Smith (Ohio-Kentucky-Indiana WSC) conducting a discharge measurement 04208347 Mill Creek at Garfield Parkway at Garfield Heights, Ohio; the forecast was supposed to be 40 degrees with possible lake effect flurries, however, nearly 10 inches of snow accumulated in less than 3 hours. The gage is operated in cooperation with the Northeast Ohio Regional Sewer District. Chris McGinnis, Ohio-Kentucky-Indiana WSC (photographer); November 14, 2014.

Cover: Old Erie Canal in Madison County near Chittenango, New York. Cooperator is Madison County. John Wernly, New York WSC (photographer); April 18, 2018.

December							February							
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30	31													



# February 2019

SUNDAY      MONDAY      TUESDAY      WEDNESDAY      THURSDAY      FRIDAY      SATURDAY

Left: Barton Dengel (Alaska Integrated Science Center) making a mid-section discharge measurement at 15238990 Upper Bradley River near Nuka Glacier near Homer, Alaska, with a FlowTracker ADV looking downstream above a low-water section control. The gage is operated in cooperation with the Alaska Energy Authority, Bradley Lake Hydropower Project. Johnse Ostman, Alaska Integrated Science Center (photographer); May 31, 2018.  
 Right: Paul Downhour (Utah WSC) making ADCP measurement from cableway at 10126000 Bear River near Corinne, Utah (discharge was 787 cfs); snow-capped Wasatch Mountains are reflected in the river. The gage is operated in cooperation with US Fish and Wildlife Service. Travis Gibson, Utah WSC (photographer); January 12, 2016.

1      2  
 Groundhog Day

3  


4  


5  
 Lunar New Year

6

7  
 e Day

8  
 Daniel Bernoulli b 1700

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13


14  


15  
 Galileo Galilei b 1564

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17  
 Washington's Birthday  
 (Presidents' Day)

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Notes:

January							March							
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# March 2019

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						Read Across America Day																																																																																				
 <p>3 USGS Established 1879</p>	4	 <p>5 Mardi Gras Gerardus Mercator b 1512</p>	<p>6 Ash Wednesday</p> 	<p>7 CW Thornthwaite b 1899</p>	8	9																																																																																				
 <p>10 Daylight Saving Time</p>	11	12	13	 <p>14 Albert Einstein b 1879</p> 	15	16																																																																																				
 <p>17</p>	18	19	<p>20 Vernal Equinox</p> 	<p>21 World Poetry Day</p>	<p>22 World Water Day</p>	<p>23 World Meteorological Day</p>																																																																																				
<p>24 John Wesley Powell b 1834</p>	25	26	<p>27 Good Friday Earthquake, Alaska 1964 Magnitude 9.2</p> 	28	29	30																																																																																				
<p>31 René Descartes b 1596</p>	<p>Steve Gerner (Utah WSC) making ADCP measurement from inflatable-kayak at 09272400 Green River at Ouray, Utah (discharge was 2220 cfs). The gage is operated in cooperation with US Bureau of Reclamation. Travis Gibson, Utah WSC (photographer); February 27, 2014.</p>				<p>February</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>1</td><td>2</td></tr> <tr><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> <tr><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td></tr> <tr><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td></tr> <tr><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td></td><td></td></tr> </table>	S	M	T	W	T	F	S						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28			<p>April</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr> <tr><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td></tr> <tr><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr> <tr><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td></tr> <tr><td>28</td><td>29</td><td>30</td><td></td><td></td><td></td><td></td></tr> </table>	S	M	T	W	T	F	S		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30				
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# April 2019

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7	8	9	10 Howard Penman b 1909	11	12 ◐	13																																																																																																															
14 Palm Sunday	15 Tax Day	16	17	18	19 Good Friday Passover ○	20																																																																																																															
 21 John Muir b 1838	22 Earth Day	23	24 <i>Administrative Professionals Day</i> 	25	26  Arbor Day ◐	27																																																																																																															
28 World Day for Safety and Health at Work	29	30	<p>Left: Heather Manzi (California WSC) measuring 50 cfs in the approach flume at 11316100 Bear River below Bear River Diversion Dam, California. The gage is operated in cooperation with Pacific Gas and Electric (PG&amp;E). Al Tafolla, PG&amp;E (photographer); June 5, 2018.</p> <p>Right: Paul Downhour (Utah WSC) using a Price AA meter with a bridge board to make a measurement in turbulent water (1525 cfs) at 10155200 Provo River at Provo River Bridge near Heber City, Utah. This gage is operated in cooperation with Central Utah Water Conservancy District. Steve Gerner, Utah WSC (photographer); June 19, 2017.</p>																																																																																																																		
		Notes:			<table border="1"> <thead> <tr> <th colspan="7">March</th> <th colspan="7">May</th> </tr> <tr> <th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th> <th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th> </tr> </thead> <tbody> <tr> <td></td><td></td><td></td><td></td><td></td><td>1</td><td>2</td> <td></td><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td> </tr> <tr> <td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td> <td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td> </tr> <tr> <td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td> <td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td> </tr> <tr> <td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td> <td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td> </tr> <tr> <td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td> <td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td> </tr> <tr> <td>31</td><td></td><td></td><td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </tbody> </table>	March							May							S	M	T	W	T	F	S	S	M	T	W	T	F	S						1	2				1	2	3	4	3	4	5	6	7	8	9	5	6	7	8	9	10	11	10	11	12	13	14	15	16	12	13	14	15	16	17	18	17	18	19	20	21	22	23	19	20	21	22	23	24	25	24	25	26	27	28	29	30	26	27	28	29	30	31	31														
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# May 2019

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
<p>Sam Caldwell (Virginia-West Virginia WSC) surveys a creek during a pilot project to locate areas where rising groundwater levels and extended periods of inundation have contributed to vegetation stress and changes in wetland plant communities at the US Fish and Wildlife Service's Back Bay National Wildlife Refuge in Virginia Beach, Virginia. Kurt McCoy, Virginia-West Virginia WSC (photographer); July 19, 2018.</p>			1	2	3	4
 <p>5</p> <p>Ramadan Begins</p>	6	7	8	9	10	11
<p>12</p> <p>Mom's SPECIAL Day</p>	13	14	15	16	17	18
		Hans A Einstein b 1904				 <p>Robert E Horton b 1875 Mount Saint Helens Erupted 1980</p>
19	20	21	22	23	24	25
			International Day for Biological Diversity			
26	 <p>27</p>	28	29	30	31	
		Louis Agassiz b 1807			Johnsontown Flood 1889	

Notes:

April							June						
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21	22	23	24	25	26	27	16	17	18	19	20	21	22
28	29	30					23	24	25	26	27	28	29
							30						



# June 2019

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY																																																																																				
<p>Paul Ankcorn (South Atlantic WSC) making a flood measurement using a bank operated cableway and a 150 lb sounding weight with mechanical meter at 02181580 Tallulah River above Powerhouse, near Tallulah Falls, Georgia, at the base of Tallulah Gorge. This site is operated in cooperation with the Georgia Power Company. Chris Henry, South Atlantic WSC (photographer); May 31, 2018.</p>						1																																																																																				
2	3 Eid al-Fitr ●	4	5 World Environment Day	6	7	8 World Oceans Day																																																																																				
9 Rapid City Flood 1972	10 Henry Darcy b 1803 Abel Wolman b 1892 ●	11	12	13	14  Flag Day World Blood Donor Day	15																																																																																				
16 	17 World Day to Combat Desertification & Drought ○	18	19	20	21 Summer Solstice	22																																																																																				
23 Public Service Day	24	25 Day of the Seafarer ●	26	27	28 $\tau = 2\pi$ Tau Day	29																																																																																				
30	Notes:				<p>May</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td></tr> <tr><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td></tr> <tr><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr> <tr><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td></tr> <tr><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td></td></tr> </table>	S	M	T	W	T	F	S				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		<p>July</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td></td><td></td></tr> </table>	S	M	T	W	T	F	S			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
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# July 2019

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1	2	3	 4 INDEPENDENCE DAY	5	6
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14	15	16	17	18	19	20
21	 22	23	24	25	26	27
28	29	30	31	Left: Jayson Blom and Matt Gilbert (Idaho WSC) installing a packer system in a multilevel monitoring well at 433605112554301 USGS 133 at the Idaho National Laboratory, Idaho. This gage has collected data since 1949 and is operated in cooperation with the US Department of Energy. Brian Twining, Idaho WSC (photographer); August 16, 2007.		

Big Thompson Flood 1976 (31,200 cfs) ●

Top Right: Jim Landmeyer (South Atlantic WSC) sampling while the production well is pumping about 1,000 gallons of water per minute. This site is operated in cooperation with the South Carolina Department of Natural Resources. Bruce Campbell, South Atlantic WSC (photographer); August 14, 2011.

Bottom Right: James Caldwell (left) checks the pump rate, while Dale Tom (right) checks the water level and rate drop off in the well with an electric tape; James, Dale, and Sam (New England WSC) are performing a Groundwater Integrity Test by pumping the well located at 423503073075401 MA-CJW 2 in Cheshire, Massachusetts. Sam Banas, New England WSC (photographer); June 12, 2018.

June								August								
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23	24	25	26	27	28	29		25	26	27	28	29	30	31		
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# August 2019

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Anthony Motta (New England WSC) taking a surface water measurement at 01174565 West Branch Swift River near Shutesbury, Massachusetts. This gage is operated in cooperation with the Department of Conservation and Recreation. Alex Wong, New England WSC (photographer); May 31, 2018.				1	2	3																																																																																					
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Notes:				<p>Peak of Record Mississippi River at St Louis 1993 (1,070,000 cfs)</p> <p>Amedeo Avogadro b 1776</p> <p>Eid al-Adha</p> <p>Gordon "Reds" Wolman b 1924</p> <p>Hurricane Camille 1969</p> <p>Osborne Reynolds b 1842</p> <p>Barré de Saint-Venant b 1797</p> <p>Hurricane Andrew 1992</p> <p>Hurricane Katrina 2005</p>		<p>July</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr> <tr><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td></tr> <tr><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr> <tr><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td></tr> <tr><td>28</td><td>29</td><td>30</td><td>31</td><td></td><td></td><td></td></tr> </table>	S	M	T	W	T	F	S		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				<p>September</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td></tr> <tr><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td></tr> <tr><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td></tr> <tr><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td></tr> <tr><td>29</td><td>30</td><td></td><td></td><td></td><td></td><td></td></tr> </table>	S	M	T	W	T	F	S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					
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# September 2019

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1	2  HAPPY LABOR DAY Labor Day Hurricane 1935	3	4	5 	6	7 Carl Garner Federal Lands Cleanup Day																																																																																																		
8 Grandparent's Day International Literacy Day	9 Galveston Hurricane 1900	10 Hurricane Irma 2017	11  PATRIOT DAY	12	13 Programmer's Day San Felipe-Okeechobee Hurricane 1928 Hurricane Ike 2008	14 Hurricane Florence 2018 																																																																																																		
15 International Day for the Preservation of the Ozone Layer	16	17	18 World Water Monitoring Day	19  Yo ho ho Ya pirate's life for ME International Talk Like a Pirate Day	20 Hurricane Maria 2017	21 																																																																																																		
22	23 Autumn Equinox	24 Hurricane Rita 2005	25	26 World Maritime Day	27	28 																																																																																																		
29 Rosh Hashanah	30			Meagan Montgomery and Robert Clendening (Caribbean-Florida WSC) investigating damage to 02290888 Chatman River near the Watson Place, Florida after Hurricane Irma made landfall on September 10, 2017. This gage is operated in cooperation with the Greater Everglades Priority Ecosystem Science Program in support of the Comprehensive Everglades Restoration Plan. Robert Clendening, Caribbean-Florida WSC (photographer); September 16, 2017.																																																																																																				
		Notes:			<table border="1"> <thead> <tr> <th colspan="7">August</th> <th colspan="7">October</th> </tr> <tr> <th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th> <th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th> </tr> </thead> <tbody> <tr> <td></td><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td> <td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td> </tr> <tr> <td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td> <td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td> </tr> <tr> <td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td> <td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td> </tr> <tr> <td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td> <td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td> </tr> <tr> <td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td> <td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td></td><td></td> </tr> </tbody> </table>	August							October							S	M	T	W	T	F	S	S	M	T	W	T	F	S					1	2	3			1	2	3	4	5	4	5	6	7	8	9	10	6	7	8	9	10	11	12	11	12	13	14	15	16	17	13	14	15	16	17	18	19	18	19	20	21	22	23	24	20	21	22	23	24	25	26	25	26	27	28	29	30	31	27	28	29	30	31			
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# October 2019

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		1	2	3	4	5 
6	7 World Habitat Day	8 Luna Leopold b 1915 Hurricane Nate 2017 Yom Kippur	9 International Day for Natural Disaster Reduction Leif Erikson Day	10	11	12
13 	 14 Thanksgiving Day (Canada)	15	16 Boss's Day	17 Walter Langbein b 1907	18	19
20	21 	22 Robert Manning b 1816	23 Mole Day (6:02am-6:02pm)	24	25	26
27 	28	29 Hurricane Sandy 2012	30	31 	Brooks Stephens (Wyoming-Montana WSC) measuring streamflow from a cableway using an ADCP at 09211200 Green River below Fontenelle Reservoir, Wyoming. This gage is operated in cooperation with the Bureau of Reclamation. Jerrod D. Wheeler, Wyoming-Montana WSC (photographer); April 18, 2016.	

Notes:

September							November						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
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29	30						24	25	26	27	28	29	30



# November 2019

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Left: Cody Lanpher (Wyoming-Montana WSC) conducting a discharge measurement at 06085800 Sun River at Simms, Montana. This site is operated in cooperation with Cascade County. Kim Schierenbeck, Wyoming-Montana WSC (photographer); December 20, 2017.					1	2
 3 Daylight Saving Time	4 	5 Election Day	6	7 Typhoon Haiyan, The Phillipines, 2013	8	9 Hedy Lamarr b 1914
10 World Science Day	 11	12 	13	14	15	16
17	18	19 	20 Universal Children's Day	21	22	23
24	25	26 	27	 28	29	30

Top Right: Frank Engel (left; Texas WSC) and Aaron Walsh (right; Central Midwest WSC) sampling suspended sediment at 4620211223135 North Fork Toutle River near Kid Valley, Washington, upstream of a US Army Corps of Engineers Sediment Retention Structure. This gage is operated in cooperation with the US Army Corps of Engineers. Molly Wood, USGS Observing Systems Division (photographer); March 7, 2018.

Bottom Right: Andy Karlson making a high water measurement at 10350100 Long Valley Creek near Happy Valley, Nevada. This gage is operated in cooperation with the Nevada Department of Transportation. Bryce Redinger, Nevada WSC (photographer); March 22, 2018.

October							December						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
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# December 2019

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY																																																																																				
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		Christmas Eve		Kwanzaa Begins Sumatra-Andaman Islands Earthquake and Tsunami, Sumatra, Indonesia 2004 Magnitude 9.1																																																																																						
29	30	31																																																																																								
																																																																																										
<p>Sylas Daughtrey (Oregon WSC) performing a site visit and inspection on a gorgeous morning at Columbia Gorge at 14128600 Columbia River at Stevenson, Washington. This site is operated in cooperation with the US Army Corps of Engineers. Ann McGowan, Oregon WSC (photographer); January 2017.</p>					<p>November</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>1</td><td>2</td></tr> <tr><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> <tr><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td></tr> <tr><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td></tr> <tr><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr> </table>	S	M	T	W	T	F	S						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	<p>January</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td></tr> <tr><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td></tr> <tr><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr> <tr><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td></tr> <tr><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td></td></tr> </table>	S	M	T	W	T	F	S				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
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## January

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28	29	30				

# 2020



Phil Gardner (Utah WSC) collecting samples during an evaluation of groundwater resources in the Spanish Valley Watershed, Grand and San Juan Counties, Utah. This gage is funded by the US Bureau of Reclamation and is operated in cooperation with Utah Division of Water Rights, city of Moab, Grand and San Juan Counties, Grand Water and Sewer Service Agency, Utah School and Institutional Trust Lands Administration, The Nature Conservancy, Utah Division of Wildlife Resources, Living Rivers, San Juan Spanish Valley Special Service District, US Bureau of Land Management, and the US Forest Service, Vic Heilweil, Utah WSC (photographer); November 18, 2015

## July

S	M	T	W	T	F	S
			1	2	3	4
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## September

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## November

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## December

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27	28	29	30	31		



Travis Knight (Caribbean-Florida WSC) making an ADCP discharge measurement from a kayak using a tagline at 02258800 Indian Prairie Canal above Pump Station near Okeechobee, Florida on a foggy morning. This gage is operated in cooperation with the Brighton Seminole Indian Reservation in cooperation with the Seminole Tribe of Florida's Environmental Resource Management Department. Lars Soderqvist, Caribbean-Florida WSC (photographer); December 19, 2017.

The Water Resources Mission Area's mission is to Observe, Understand, Predict, and Deliver Water Science to the Nation. Since 1879, the USGS has addressed issues of water availability and quality, drought, and flood hazards. Today, the USGS Water Resources Mission Area has approximately 3,700 hydrologic professionals and support staff located in all 50 States and Puerto Rico to help continue this legacy of providing the Nation with critical water information. I would like to thank all of our staff and our partners, stakeholders, decision makers, and the public for their continued support of our mission and I look forward to continuing our work together for many years to come.

--Don Cline, Associate Director for the Water Resources Mission Area

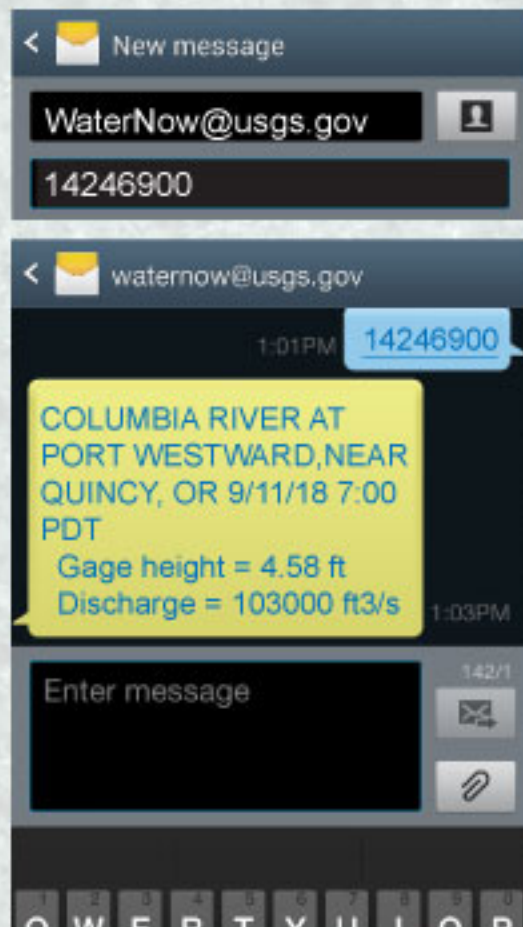
Note: Use or display of brand names does not imply endorsement. For some religious holidays, observance begins at sunset of the day before.

# WaterNow



## Current conditions on-demand:

Send an email message to [WaterNow@usgs.gov](mailto:WaterNow@usgs.gov) where either the Subject or the first line of the message contains the USGS Site Number of the gage you want to query (optionally add parameter codes to customize your query). You will receive a response within a few minutes (<https://water.usgs.gov/waternow/>).



14246900 Columbia River at Port Westward, near Quincy, Oregon.  
Sylas Daughtrey (photographer); March 28, 2017.

# WaterAlert



## Threshold-triggered notifications:

Sign up for daily or hourly email or text alerts about current water conditions using your thresholds for streamflow, groundwater, water quality, and precipitation at any of the 12,000+ sites where USGS collects real-time water data (<https://water.usgs.gov/wateralert/>).

## USGS WaterAlert

### Subscription Form

#### Site Info:

Site Number: 14246900  
Site Name: COLUMBIA RIVER AT PORT WESTWARD, NEAR QUINCY, OR  
Agency: USGS  
Transaction ID: bDfbK

#### Send Notification To:

- My mobile phone  
 My email address

#### Notification Frequency:

- Hourly   
Daily

#### Streamflow Parameter(s): Recent value:

Discharge, in ft<sup>3</sup>/s  208000 (peak chart)  
Gage height in ft  3.46 (peak chart)  
Mean water velocity in ft/sec  1.91

#### Alert Threshold Condition:

- Greater than (>) Real-time value is greater than:  ft<sup>3</sup>/s  
 Less than (<)  
 Outside a range (< or >)  
 Inside a range (> and <)

I have read and acknowledge the [Provisional Data Statement](#) and [Disclaimer](#).