Water-Data Report 2013

02385170 COAHULLA CREEK AT KEITHS MILL ROAD, NEAR DALTON,GA

Coosa-Tallapoosa Basin
Conasauga Subbasin

LOCATION.--Lat 34°44′36″, long 84°52′50″ referenced to North American Datum of 1927, Whitfield County, GA, Hydrologic Unit 03150101, on the upstream right bank of Keiths Mill Road, 5.3 miles southeast of the city of Dalton, and 1.35 miles upstream of confluence with the Conasauga River.

DRAINAGE AREA.--176 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--
DISCHARGE: January 2005 to current year.
GAGE-HEIGHT: January 2005 to current year.

GAGE.--Satellite telemetry with a water-stage recorder. Datum of gage is 670 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

COOPERATION.--Dalton Utilities.

REMARKS.--Discharge records fair, except for days of estimated discharge, which are poor. Gage-height records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage-height recorded, 23.70 feet, backwater from Conasauga River, January 8, 2009; minimum daily discharge, 3.0 cfs, August 29, 2007.

EXTREMES FOR CURRENT YEAR.--Maximum gage-height recorded, 23.33 feet, backwater from Conasauga River, January 16; minimum gage-height recorded, 7.34 feet, November 01; minimum daily discharge, 25 cfs, November 1-2.

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 02385170, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/02385170.2013.pdf

02385170 COAHULLA CREEK AT KEITHS MILL ROAD, NEAR DALTON,GA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES
[e, estimated; &, affected value]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	166	25	38	e411	e1,130	430	e361	e776	94	34	231	231
2	145	25	34	e490	e635	344	e304	e563	334	334	159	e160
3	e111	29	33	e400	490	284	e266	466	145	1,010	135	e125
4	72	30	31	e300	390	230	e576	766	114	1,560	124	113
5	50	31	30	234	310	292	e573	3,530	139	e1,480	112	100
6	46	52	38	194	250	e480	e462	e2,500	205	e1,000	106	92
7	42	48	33	171	220	e360	e370	e1,700	e156	3,330	206	87
8	37	45	33	146	218	265	e298	e1,160	e318	e2,220	201	83
9	35	39	33	133	193	210	e242	e800	e210	e1,550	276	77
10	35	42	190	134	258	183	e208	627	e168	e1,150	225	76
11	35	39	e120	132	e750	329	212	524	e147	e925	286	72
12	33	52	e87	162	e600	e753	e900	e400	e134	e710	257	69
13	37	86	68	186	e475	e473	e648	e340	e147	e571	557	73
14	39	63	55	2,200	388	354	e480	284	e155	e475	362	65
15	e190	63	48	e4,380	298	271	388	231	86	e404	279	63
16	e452	48	139	e7,420	232	239	286	185	80	351	150	62
17	e125	42	e150	e3,870	193	207	223	153	e300	292	136	57
18	&72	38	e100	e1,670	162	267	457	221	e190	257	183	56
19	57	36	e75	e950	181	e500	e1,100	e800	151	225	e400	52
20	53	35	e318	e689	244	e350	e800	e1,890	105	205	e360	54
21	55	32	e220	549	177	265	e602	e763	79	250	e285	540
22	54	32	e130	444	e1,060	213	433	516	63	e275	238	585
23	50	33	e110	359	e1,120	218	320	406	57	265	e210	251
24	39	33	e142	295	e817	e1,910	260	308	48	291	e180	131
25	33	33	e280	243	531	e1,110	250	227	45	218	171	139
26	31	33	e1,300	227	e1,090	e790	194	176	68	173	145	183
27	32	32	e700	208	e800	577	&695	149	108	157	129	141
28	30	32	e450	183	e565	462	e1,890	127	71	144	116	110
29	30	31	377	167	---	378	e3,090	111	53	&149	107	97
30	32	31	322	e800	---	314	e1,500	98	45	126	101	81
31	28	---	223	e2,000	---	e459	---	90	---	247	96	---
Total	2,246	1,190	5,907	29,747	13,777	13,517	18,388	20,887	4,015	20,378	6,523	4,025
Mean	72.5	39.7	191	960	492	436	613	674	134	657	210	134
Max	452	86	1,300	7,420	1,130	1,910	3,090	3,530	334	3,330	557	585
Min	28	25	30	132	162	183	194	90	45	34	96	52
Cfsm	0.41	0.23	1.08	5.45	2.80	2.48	3.48	3.83	0.76	3.73	1.20	0.76
In.	0.47	0.25	1.25	6.29	2.91	2.86	3.89	4.41	0.85	4.31	1.38	0.85

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2005 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	109	177	319	444	337	370	333	226	80.4	165	71.3	159
Max	347	494	683	960	648	629	613	674	138	657	210	605
(WY)	(2010)	(2012)	(2012)	(2013)	(2005)	(2011)	(2013)	(2013)	(2010)	(2013)	(2013)	(2009)
Min	23.8	38.7	79.1	144	99.0	125	88.4	33.3	19.3	34.1	9.67	27.0
(WY)	(2008)	(2009)	(2007)	(2008)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)

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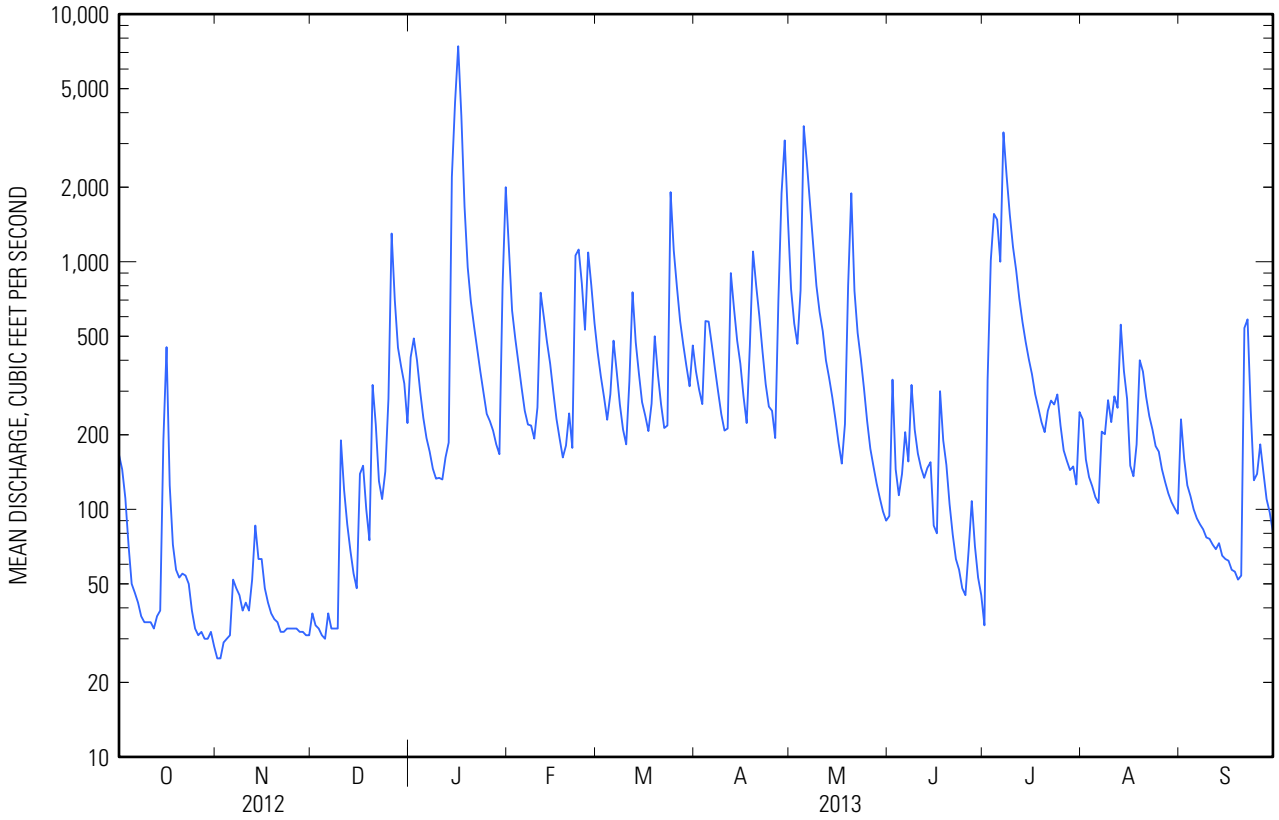
SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 2005 - 2013	
Annual total	64,823		140,600			
Annual mean	177		385		225	
Highest annual mean					385	2013
Lowest annual mean					80.7	2007
Highest daily mean	1,790	Jan 19	[e]7,420	Jan 16	[e]7,420	Jan 16, 2013
Lowest daily mean	25	Nov 1	[b]25	Nov 1	3.0	Aug 29, 2007
Annual seven-day minimum	28	Oct 28	28	Oct 28	4.2	Aug 28, 2007
Maximum peak stage			[a]23.33	Jan 16	[a]23.70	Jan 8, 2009
Annual runoff (cfsm)	1.01		2.19		1.28	
Annual runoff (inches)	13.70		29.72		17.36	
10 percent exceeds	451		800		501	
50 percent exceeds	68		205		102	
90 percent exceeds	32		37		29	

[e] Estimated.
[a] Backwater from Conasauga River.
[b] Also November 2.



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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	8.36	7.38	7.54	9.55	18.49	9.75	10.99	15.87	8.26	7.81	8.67	8.59
2	8.32	7.38	7.50	11.71	13.77	9.41	9.87	10.44	9.37	9.26	8.28	9.01
3	8.10	7.42	7.48	10.56	9.96	9.18	9.27	9.90	8.55	12.15	8.13	8.24
4	7.84	7.44	7.46	9.24	9.52	8.96	10.15	11.03	8.38	13.99	8.05	7.99
5	7.66	7.45	7.44	8.79	9.20	9.21	12.06	18.03	8.46	14.83	7.98	7.90
6	7.62	7.66	7.54	8.60	8.96	11.34	10.39	21.55	8.84	14.39	7.94	7.84
7	7.58	7.64	7.48	8.48	8.85	9.67	9.54	22.41	8.72	17.86	8.54	7.80
8	7.53	7.61	7.48	8.33	8.87	9.10	9.23	19.60	10.38	19.08	8.51	7.77
9	7.51	7.55	7.48	8.25	8.77	8.87	9.01	13.69	9.53	18.92	8.87	7.73
10	7.50	7.58	8.41	8.25	9.04	8.75	8.85	10.58	9.24	16.23	8.62	7.72
11	7.50	7.54	8.40	8.24	11.39	9.35	8.87	10.14	8.96	16.54	8.94	7.69
12	7.48	7.63	8.31	8.43	10.64	12.48	13.90	10.11	8.89	17.12	8.80	7.67
13	7.53	7.93	7.82	8.54	9.92	10.68	12.68	9.50	8.58	11.03	10.17	7.70
14	7.55	7.78	7.71	15.52	9.59	9.45	10.04	9.18	8.71	10.12	9.30	7.63
15	8.20	7.78	7.64	19.47	9.23	9.12	9.58	8.96	8.22	9.64	8.90	7.61
16	9.81	7.64	8.16	22.86	8.97	8.99	9.18	8.76	8.17	9.24	8.23	7.60
17	8.20	7.58	9.80	22.35	8.79	8.86	8.93	8.60	9.53	8.97	8.14	7.56
18	7.84	7.54	9.40	19.77	8.64	9.10	9.90	8.91	8.79	8.80	8.42	7.54
19	7.73	7.51	8.33	16.25	8.73	10.92	12.24	11.89	8.58	8.65	9.35	7.51
20	7.69	7.50	9.68	11.30	9.02	9.76	14.96	17.07	8.33	8.54	10.68	7.53
21	7.71	7.47	11.51	10.22	8.72	9.10	13.48	13.47	8.17	8.76	9.13	9.81
22	7.70	7.47	9.69	9.73	12.19	8.88	9.77	10.11	8.06	9.03	8.71	10.35
23	7.66	7.48	8.55	9.35	13.10	8.91	9.32	9.66	8.01	8.83	9.17	8.76
24	7.55	7.48	8.76	9.07	11.46	14.26	9.08	9.27	7.94	8.96	8.88	8.11
25	7.47	7.48	9.18	8.83	10.17	16.77	9.04	8.94	7.92	8.61	8.36	8.16
26	7.45	7.48	13.31	8.76	12.03	12.69	8.80	8.71	8.07	8.37	8.20	8.42
27	7.46	7.46	13.19	8.67	12.83	10.37	10.89	8.57	8.33	8.27	8.09	8.17
28	7.45	7.47	9.65	8.54	10.44	9.89	14.36	8.46	8.11	8.19	8.00	7.97
29	7.44	7.46	9.43	8.46	---	9.54	18.28	8.37	7.98	8.22	7.95	7.88
30	7.46	7.46	9.19	10.96	---	9.29	18.97	8.29	7.92	8.07	7.91	7.76
31	7.42	---	8.74	16.52	---	10.26	---	8.24	---	8.69	7.88	---
Mean	7.75	7.54	8.78	11.41	10.40	10.09	11.05	11.56	8.57	11.20	8.61	8.07
Max	9.81	7.93	13.31	22.86	18.49	16.77	18.97	22.41	10.38	19.08	10.68	10.35
Min	7.42	7.38	7.44	8.24	8.64	8.75	8.80	8.24	7.92	7.81	7.88	7.51

	Calendar Year 2012	Water Year 2013
Mean	8.41	9.59
Max	15.92	22.86
Min	7.28	7.38

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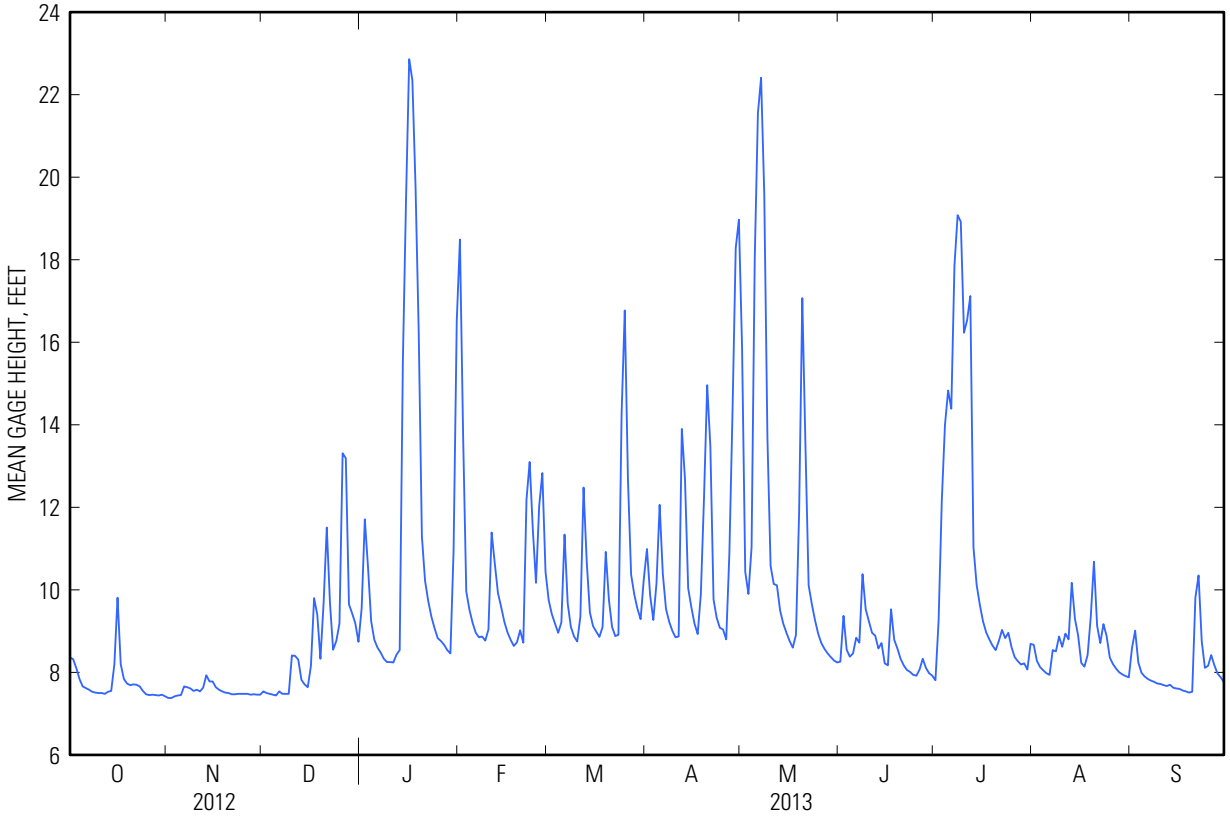


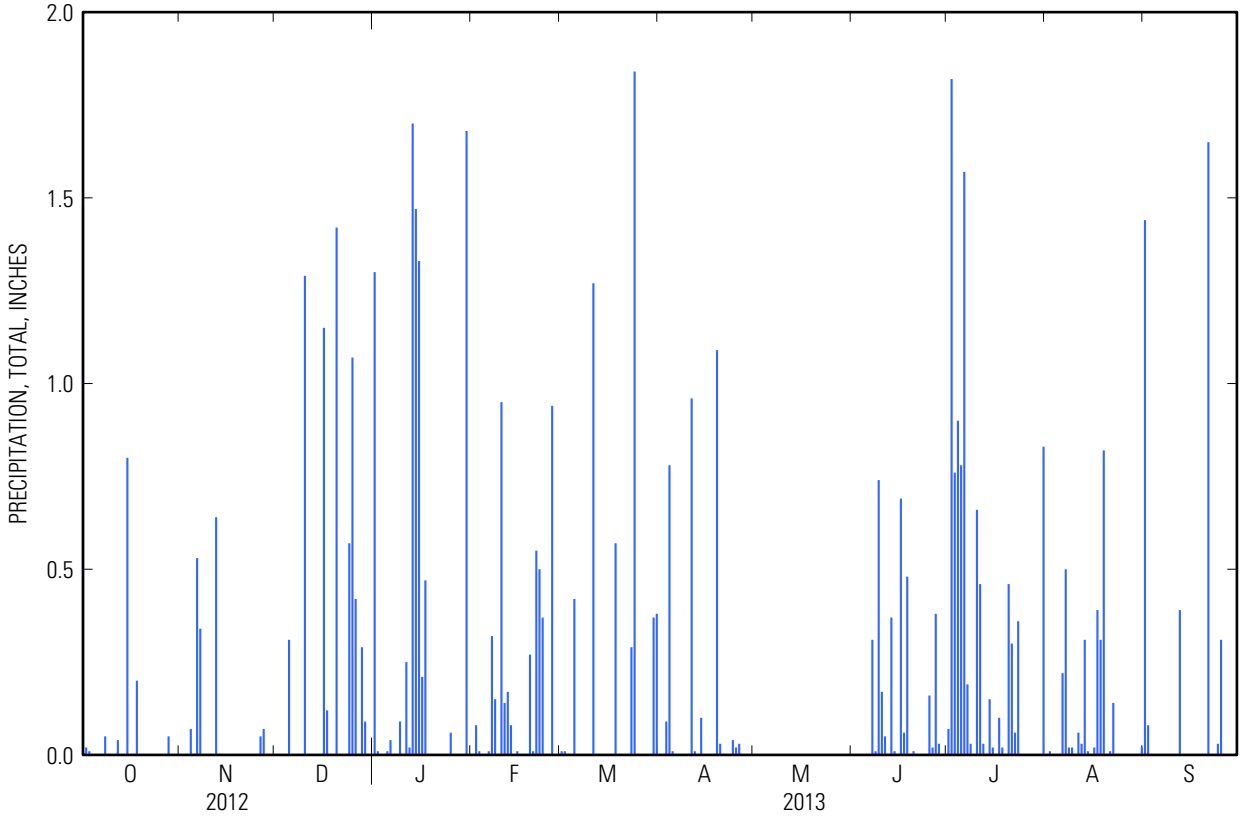
02385170 COAHULLA CREEK AT KEITHS MILL ROAD, NEAR DALTON,GA—Continued

CLIMATOLOGICAL RECORDS

PERIOD OF RECORD.--January 2005 to current year.

INSTRUMENTATION.--Tipping bucket raingage.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY SUM VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.48	0.00	0.00	1.30	0.00	0.01	0.00	---	---	0.07	0.00	1.44
2	0.02	0.00	0.00	0.01	0.08	0.01	0.00	---	---	1.82	0.01	0.08
3	0.01	0.00	0.00	0.00	0.01	0.00	0.09	---	---	0.76	0.00	0.00
4	0.00	0.07	0.00	0.00	0.00	0.00	0.78	---	---	0.90	0.00	0.00
5	0.00	0.00	0.31	0.01	0.00	0.42	0.01	---	---	0.78	0.00	0.00
6	0.00	0.53	0.00	0.04	0.01	0.00	0.00	---	0.00	1.57	0.22	0.00
7	0.00	0.34	0.00	0.00	0.32	0.00	0.00	---	0.31	0.19	0.50	0.00
8	0.05	0.00	0.00	0.00	0.15	0.00	0.00	---	0.01	0.03	0.02	0.00
9	0.00	0.00	0.00	0.09	0.00	0.00	0.00	---	0.74	0.00	0.02	0.00
10	0.00	0.00	1.29	0.00	0.95	0.00	0.00	---	0.17	0.66	0.00	0.00
11	0.00	0.00	0.00	0.25	0.14	1.27	0.96	---	0.05	0.46	0.06	0.00
12	0.04	0.64	0.00	0.02	0.17	0.00	0.01	---	0.00	0.03	0.03	0.39
13	0.00	0.00	0.00	1.70	0.08	0.00	0.00	---	0.37	0.00	0.31	0.00
14	0.00	0.00	0.00	1.47	0.00	0.00	0.10	---	0.01	0.15	0.01	0.00
15	0.80	0.00	0.00	1.33	0.01	0.00	0.00	---	0.00	0.02	0.00	0.00
16	0.00	0.00	1.15	0.21	0.00	0.00	0.00	---	0.69	0.00	0.02	0.00
17	0.00	0.00	0.12	0.47	0.00	0.00	0.00	---	0.06	0.10	0.39	0.00
18	0.20	0.00	0.00	0.00	0.00	0.57	0.00	---	0.48	0.02	0.31	0.00
19	0.00	0.00	0.00	0.00	0.27	0.00	1.09	---	0.00	0.00	0.82	0.00
20	0.00	0.00	1.42	0.00	0.01	0.00	0.03	---	0.01	0.46	0.00	0.00
21	0.00	0.00	0.00	0.00	0.55	0.00	0.00	---	0.00	0.30	0.01	1.65
22	0.00	0.00	0.00	0.00	0.50	0.00	0.00	---	0.00	0.06	0.14	0.00
23	0.00	0.00	0.00	0.00	0.37	0.29	0.00	---	0.00	0.36	0.00	0.00
24	0.00	0.00	0.57	0.00	0.00	1.84	0.04	---	0.00	0.00	0.00	0.03
25	0.00	0.00	1.07	0.06	0.00	0.00	0.02	---	0.16	0.00	0.00	0.31
26	0.00	0.05	0.42	0.00	0.94	0.00	0.03	---	0.02	0.00	0.00	0.00
27	0.00	0.07	0.00	0.00	0.00	0.00	---	---	0.38	0.00	0.00	0.00
28	0.05	0.00	0.29	0.00	0.00	0.00	---	---	0.03	0.00	0.00	0.00
29	0.00	0.00	0.09	0.00	---	0.00	---	---	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	1.68	---	0.37	---	---	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.38	---	---	---	0.83	0.02	---
Total	2.65	1.70	6.73	8.64	4.56	5.16	---	---	---	9.57	2.89	3.90

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