Water-Data Report 2013

08086212 Hubbard Creek below Albany, TX

Middle Brazos-Clear Fork Basin
Hubbard Subbasin

LOCATION.--Lat 32°43′58″, long 99°08′25″ referenced to North American Datum of 1927, Shackelford County, TX, Hydrologic Unit 12060105, on left bank 0.5 mi downstream from Salt Prong Hubbard Creek, 2.8 mi upstream from Newcomb Creek, 4.5 mi upstream from U.S. Highway 180, 9.1 mi east of Albany, 22.6 mi upstream from Hubbard Creek Reservoir, and 35.2 mi upstream from mouth.

DRAINAGE AREA.--613 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Oct. 1966 to current year.

REVISED RECORDS.--WDR TX-76-2: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,184.99 ft above NGVD of 1929. Prior to June 12, 1968, water-stage recorder at site 2.1 mi downstream at datum 7.63 ft lower. Satellite telemeter at station.

REMARKS.-- No estimated daily discharges. Records good. No known regulation or diversions. No flow at times. Some records listed in the period of record may not be available electronically.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,180 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jul 16	2300	*3,580	*11.85

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 08086212, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/08086212.2013.pdf

08086212 Hubbard Creek below Albany, TX—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.66	0.00
2	28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.00
3	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.00
4	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.00
5	5.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.00
6	2.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00
7	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00
8	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00
9	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00
10	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00
11	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
12	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
13	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00
14	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.1	0.00
15	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.00
16	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,810	0.27	0.00
17	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	815	0.24	0.00
18	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	242	0.19	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	77	0.17	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31	0.15	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13	0.12	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.7	0.10	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.9	0.07	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.8	0.05	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.3	0.03	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.89	0.01	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.8	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	3.0	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	1.2	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.75	0.00	---
Total	142.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,028.34	7.06	0.00
Mean	4.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.7	0.23	0.00
Max	79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,810	1.1	0.00
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ac-ft	283	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6,010	14	0.00
Cfsm	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00
In.	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2013, BY WATER YEAR (WY)

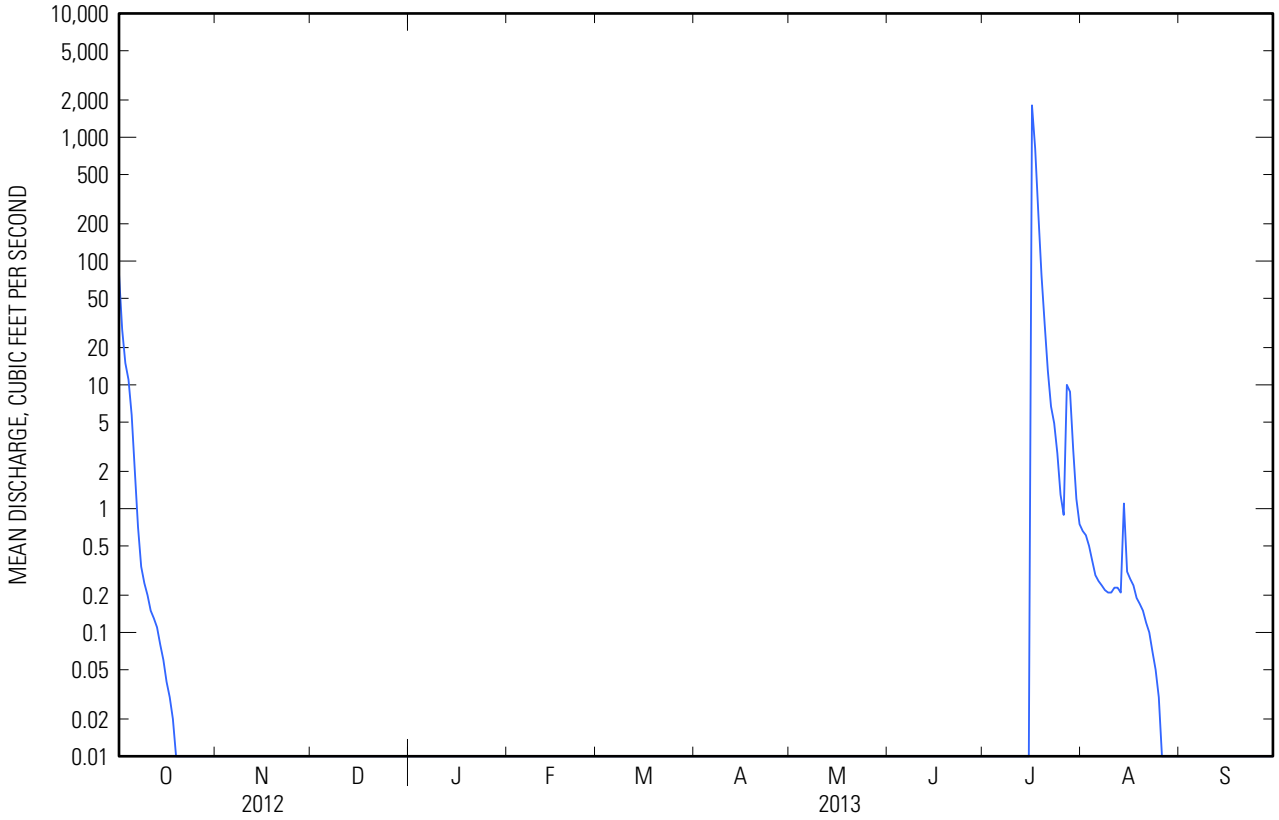
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	67.1	28.9	34.7	42.8	59.0	39.9	52.4	101	75.1	23.3	84.3	54.1
Max	1,483	803	1,161	1,544	1,532	284	502	906	1,056	400	3,365	1,170
(WY)	(1982)	(2005)	(1992)	(1968)	(1992)	(1998)	(1968)	(1969)	(2007)	(2002)	(1978)	(1974)
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1969)	(1971)	(1971)	(1969)	(1971)	(1971)	(1971)	(1984)	(1984)	(1974)	(1968)	(1968)

08086212 Hubbard Creek below Albany, TX—Continued

SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1967 - 2013	
Annual total	1,326.56		3,178.22			
Annual mean	3.62		8.71		55.2	
Highest annual mean					303	1992
Lowest annual mean					0.33	2009
Highest daily mean	893	Sep 30	1,810	Jul 16	94,700	Aug 4, 1978
Lowest daily mean	0.00	Jan 1	0.00	Oct 19	0.00	Apr 5, 1967
Annual seven-day minimum	0.00	Jan 1	0.00	Oct 19	0.00	Apr 24, 1967
Maximum peak flow			3,580	Jul 16	[i]330,000	Aug 4, 1978
Maximum peak stage			11.85	Jul 16	[a]41.41	Aug 4, 1978
Annual runoff (ac-ft)	2,630		6,300		40,030	
Annual runoff (cfsm)	0.006		0.014		0.090	
Annual runoff (inches)	0.08		0.19		1.22	
10 percent exceeds	0.37		0.23		35	
50 percent exceeds	0.00		0.00		0.61	
90 percent exceeds	0.00		0.00		0.00	

[a] From floodmark.
[i] From indirect measurement at site 4.5 mi downstream.



WATER-QUALITY RECORDS

PERIOD OF RECORD.--
CHEMICAL DATA: Oct. 1966 to Mar. 2008, Apr. 2011 to current year.
BIOCHEMICAL DATA: Oct. 1966 to Jan. 1973.
ORGANIC (PESTICIDE) DATA: Nov. 1972.
ORGANIC (PCB) DATA: Nov. 1972.
RADIOCHEMICAL DATA: Jan. 1981 to Apr. 1981.
SEDIMENT DATA: Apr. 1964.

INSTRUMENTATION.--Specific conductance instrument since Dec. 1970. Water temperature instrument since Mar. 1982.

REMARKS.--Specific conductance record is rated good. Temperature record is rated good. Interruptions or periods of missing record may be due to instrument failure, no flow conditions or data corrections exceeding allowable criteria, which were deleted. Other than no flow conditions, minimum and maximum extremes may have occurred during period of missing record. Some records listed in the period of record may not be available electronically.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 21,200 microsiemens/cm, Feb. 15, 21, 1978; minimum recorded, 94 microsiemens/cm, July 16, 2013; minimum estimated, 129 microsiemens/cm, Aug. 4, 1978.
WATER TEMPERATURE: Maximum, 37.5°C, July 20, 1986; minimum, 0.0°C, on several days during winter months.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 616 microsiemens/cm, July 16; minimum, 94 microsiemens/cm, July 16.
WATER TEMPERATURE: Maximum, 36.6°C, Aug. 1; minimum, 12.2°C, Oct. 8.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 1 of 5

[$CaCO_3$, calcium carbonate; SiO_2, silicon dioxide; ft, feet; ft^3/s, cubic feet per second; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; <, less than]

Date	Sample start time	Medium name	Sample type	Discharge, instanta-neous, ft^3/s (00061)	Discharge, instantane ous, cubic meters per second (30209)	pH, water, unfiltered, field, standard units (00400)	pH, water, unfiltered, laboratory, standard units (00403)	Specific conduc-tance, water, unfiltered, laboratory, µS/cm at 25°C (90095)	Specific conduc-tance, water, unfiltered, µS/cm at 25°C (00095)
07-31-2013	**1040**	Surface water	Regular	0.76	0.02	7.6	7.7	293	297

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 2 of 5

[$CaCO_3$, calcium carbonate; SiO_2, silicon dioxide; ft, feet; ft^3/s, cubic feet per second; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; <, less than]

Date	Sample start time	Gage height, above datum, meters (30207)	Gage height, ft (00065)	Sample purpose (71999)	Sampler type (84164)	Sampling method (82398)	Purpose, site visit (50280)
07-31-2013	**1040**	1.03	3.39	Routine	Grab sample	Grab sample(dip)	Storm hydrograph SW

08086212 Hubbard Creek below Albany, TX—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
Part 3 of 5
[$CaCO_3$, calcium carbonate; SiO_2, silicon dioxide; ft, feet; ft^3/s, cubic feet per second; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; <, less than]

Date	Sample start time	Type of quality assurance data associated with sample (99111)	Dissolved solids, water, filtered, sum of constit-uents, mg/L (70301)	Dissolved solids, water, filtered, tons per acre-foot (70303)	Dissolved solids, water, tons per day (70302)	Hardness, water, mg/L as $CaCO_3$ (00900)	Non-carbonate hardness, water, filtered, field, mg/L as $CaCO_3$ (00904)	Calcium, water, filtered, mg/L (00915)	Magne-sium, water, filtered, mg/L (00925)
07-31-2013	**1040**	No assoc QA data	166	0.23	0.34	121	7	39.7	5.30

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
Part 4 of 5
[$CaCO_3$, calcium carbonate; SiO_2, silicon dioxide; ft, feet; ft^3/s, cubic feet per second; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; <, less than]

Date	Sample start time	Potassium, water, filtered, mg/L (00935)	Sodium adsorption ratio, water, number (00931)	Sodium fraction of cations, water, percent in equiva-lents of major cations (00932)	Sodium, water, filtered, mg/L (00930)	Alkalinity, water, filtered, inflection-point, incremental titration method, field, mg/L as $CaCO_3$ (39086)	Bicarbonate, water, filtered, inflection-point, incremental titration method, field, mg/L (00453)	Carbon dioxide, water, unfiltered, mg/L (00405)	Carbonate, water, filtered, inflection-point incremental titration method, field, mg/L (00452)
07-31-2013	**1040**	5.65	0.40	15	10.0	114	139	6.2	< 1.0

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
Part 5 of 5
[$CaCO_3$, calcium carbonate; SiO_2, silicon dioxide; ft, feet; ft^3/s, cubic feet per second; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; <, less than]

Date	Sample start time	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)	Hydrogen ion, water, unfiltered, calcu-lated, mg/L (00191)	Silica, water, filtered, mg/L as SiO_2 (00955)	Sulfate, water, filtered, mg/L (00945)	NWIS lot number, capsule filter, 0.45 micron (99206)
07-31-2013	**1040**	13.9	0.15	0.00003	9.77	13.2	10,018

08086212 Hubbard Creek below Albany, TX—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	258	245	252	---	---	---	---	---	---	---	---	---
2	274	258	266	---	---	---	---	---	---	---	---	---
3	289	273	280	---	---	---	---	---	---	---	---	---
4	307	289	295	---	---	---	---	---	---	---	---	---
5	318	307	312	---	---	---	---	---	---	---	---	---
6	324	317	321	---	---	---	---	---	---	---	---	---
7	342	324	331	---	---	---	---	---	---	---	---	---
8	365	342	350	---	---	---	---	---	---	---	---	---
9	385	356	370	---	---	---	---	---	---	---	---	---
10	406	365	393	---	---	---	---	---	---	---	---	---
11	417	387	401	---	---	---	---	---	---	---	---	---
12	409	381	392	---	---	---	---	---	---	---	---	---
13	411	392	399	---	---	---	---	---	---	---	---	---
14	438	407	417	---	---	---	---	---	---	---	---	---
15	434	419	424	---	---	---	---	---	---	---	---	---
16	439	420	428	---	---	---	---	---	---	---	---	---
17	447	429	438	---	---	---	---	---	---	---	---	---
18	446	431	437	---	---	---	---	---	---	---	---	---
19	443	431	435	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

08086212 Hubbard Creek below Albany, TX—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

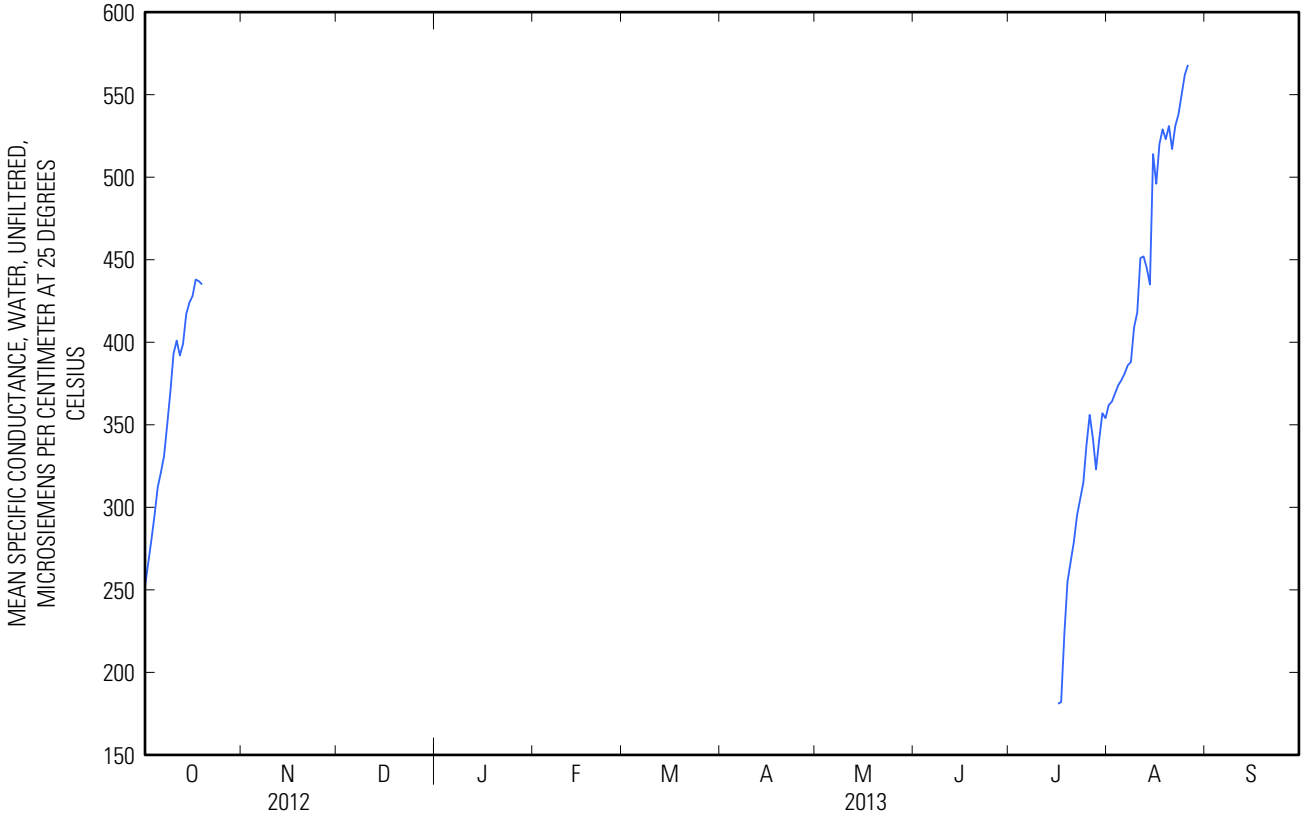
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

08086212 Hubbard Creek below Albany, TX—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June			July			August			September	
1	---	---	---	---	---	---	375	343	362	---	---	---
2	---	---	---	---	---	---	386	332	364	---	---	---
3	---	---	---	---	---	---	400	347	369	---	---	---
4	---	---	---	---	---	---	409	355	374	---	---	---
5	---	---	---	---	---	---	406	362	377	---	---	---
6	---	---	---	---	---	---	413	365	381	---	---	---
7	---	---	---	---	---	---	422	375	386	---	---	---
8	---	---	---	---	---	---	417	377	388	---	---	---
9	---	---	---	---	---	---	455	381	409	---	---	---
10	---	---	---	---	---	---	465	394	418	---	---	---
11	---	---	---	---	---	---	501	403	451	---	---	---
12	---	---	---	---	---	---	493	419	452	---	---	---
13	---	---	---	---	---	---	492	425	445	---	---	---
14	---	---	---	---	---	---	531	249	435	---	---	---
15	---	---	---	---	---	---	555	467	514	---	---	---
16	---	---	---	616	94	181	549	451	496	---	---	---
17	---	---	---	198	156	182	571	485	520	---	---	---
18	---	---	---	248	198	223	563	506	529	---	---	---
19	---	---	---	259	248	255	544	514	523	---	---	---
20	---	---	---	274	259	267	547	502	531	---	---	---
21	---	---	---	289	271	279	536	496	517	---	---	---
22	---	---	---	302	287	295	537	524	531	---	---	---
23	---	---	---	309	301	305	559	524	538	---	---	---
24	---	---	---	324	307	315	568	535	550	---	---	---
25	---	---	---	346	324	338	577	547	562	---	---	---
26	---	---	---	372	340	356	575	561	568	---	---	---
27	---	---	---	375	308	342	---	---	---	---	---	---
28	---	---	---	336	314	323	---	---	---	---	---	---
29	---	---	---	349	336	341	---	---	---	---	---	---
30	---	---	---	370	349	357	---	---	---	---	---	---
31	---	---	---	382	315	354	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

08086212 Hubbard Creek below Albany, TX—Continued



08086212 Hubbard Creek below Albany, TX—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	20.7	19.6	20.1	---	---	---	---	---	---	---	---	---
2	21.7	19.8	20.5	---	---	---	---	---	---	---	---	---
3	22.5	19.3	20.7	---	---	---	---	---	---	---	---	---
4	23.0	20.2	21.2	---	---	---	---	---	---	---	---	---
5	21.8	19.5	20.4	---	---	---	---	---	---	---	---	---
6	19.5	15.7	17.6	---	---	---	---	---	---	---	---	---
7	15.7	13.8	14.8	---	---	---	---	---	---	---	---	---
8	15.8	12.2	13.7	---	---	---	---	---	---	---	---	---
9	17.5	14.5	15.7	---	---	---	---	---	---	---	---	---
10	17.9	16.9	17.5	---	---	---	---	---	---	---	---	---
11	20.7	17.1	18.0	---	---	---	---	---	---	---	---	---
12	20.8	17.6	19.2	---	---	---	---	---	---	---	---	---
13	21.1	19.4	20.2	---	---	---	---	---	---	---	---	---
14	23.3	18.8	20.8	---	---	---	---	---	---	---	---	---
15	20.2	17.7	18.9	---	---	---	---	---	---	---	---	---
16	20.4	18.3	19.1	---	---	---	---	---	---	---	---	---
17	25.3	18.5	20.8	---	---	---	---	---	---	---	---	---
18	22.5	17.0	19.3	---	---	---	---	---	---	---	---	---
19	18.2	15.9	17.0	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

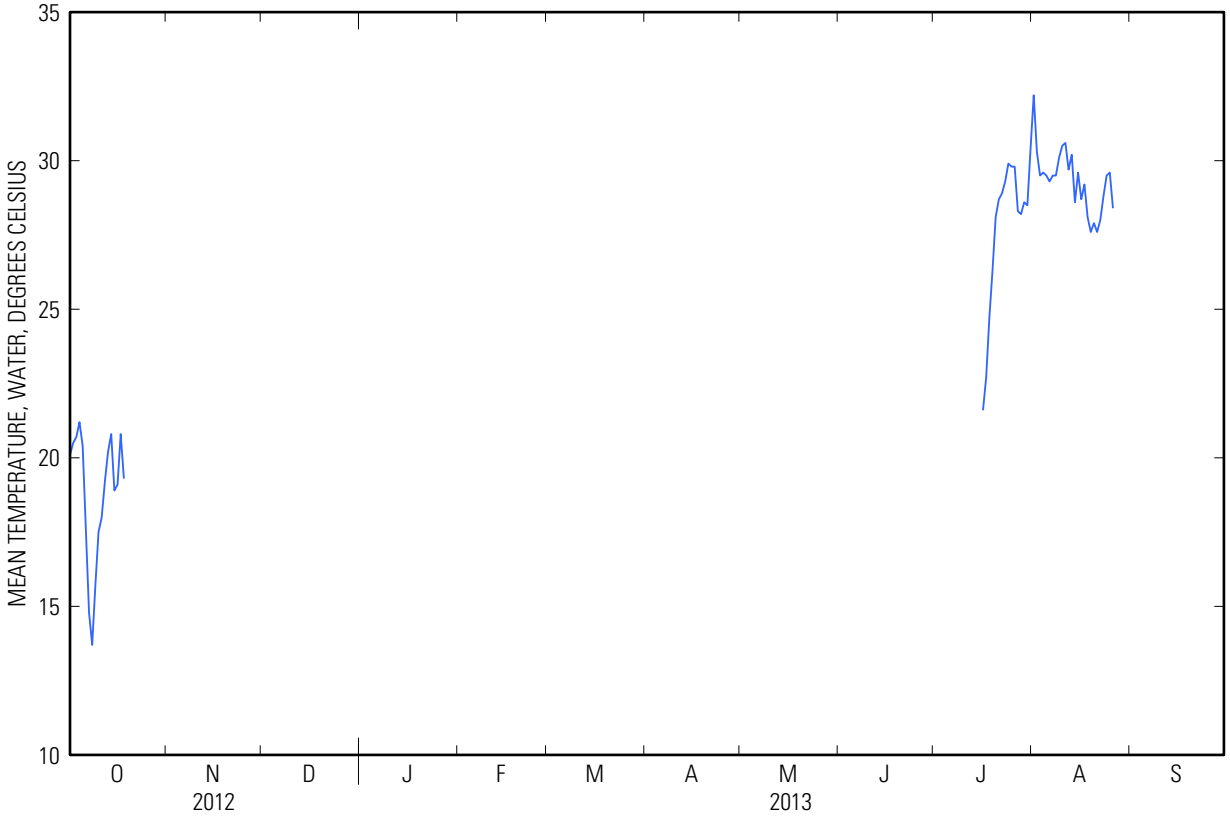
08086212 Hubbard Creek below Albany, TX—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
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	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

08086212 Hubbard Creek below Albany, TX—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June			July			August			September	
1	---	---	---	---	---	---	36.6	28.9	32.2	---	---	---
2	---	---	---	---	---	---	31.8	28.7	30.3	---	---	---
3	---	---	---	---	---	---	31.6	27.9	29.5	---	---	---
4	---	---	---	---	---	---	31.5	28.1	29.6	---	---	---
5	---	---	---	---	---	---	30.9	28.2	29.5	---	---	---
6	---	---	---	---	---	---	30.8	27.9	29.3	---	---	---
7	---	---	---	---	---	---	31.3	28.3	29.5	---	---	---
8	---	---	---	---	---	---	32.4	28.2	29.5	---	---	---
9	---	---	---	---	---	---	34.6	27.8	30.1	---	---	---
10	---	---	---	---	---	---	33.8	28.5	30.5	---	---	---
11	---	---	---	---	---	---	35.2	28.0	30.6	---	---	---
12	---	---	---	---	---	---	31.1	28.0	29.7	---	---	---
13	---	---	---	---	---	---	33.8	28.1	30.2	---	---	---
14	---	---	---	---	---	---	30.8	22.4	28.6	---	---	---
15	---	---	---	---	---	---	34.9	27.1	29.6	---	---	---
16	---	---	---	22.0	22.1	21.6	32.9	25.2	28.7	---	---	---
17	---	---	---	23.8	21.8	22.7	34.3	26.0	29.2	---	---	---
18	---	---	---	25.6	23.8	24.7	32.0	26.1	28.1	---	---	---
19	---	---	---	28.6	24.9	26.3	30.0	26.1	27.6	---	---	---
20	---	---	---	31.6	25.5	28.1	30.7	26.5	27.9	---	---	---
21	---	---	---	30.9	26.5	28.7	29.9	25.9	27.6	---	---	---
22	---	---	---	31.3	27.3	28.9	30.5	26.4	28.0	---	---	---
23	---	---	---	31.4	27.8	29.3	32.1	26.7	28.8	---	---	---
24	---	---	---	32.0	28.0	29.9	33.7	26.4	29.5	---	---	---
25	---	---	---	30.9	28.7	29.8	33.4	26.7	29.6	---	---	---
26	---	---	---	33.7	27.5	29.8	32.3	26.7	28.4	---	---	---
27	---	---	---	29.6	27.2	28.3	---	---	---	---	---	---
28	---	---	---	30.9	26.3	28.2	---	---	---	---	---	---
29	---	---	---	29.7	27.6	28.6	---	---	---	---	---	---
30	---	---	---	30.2	27.1	28.5	---	---	---	---	---	---
31	---	---	---	35.2	27.5	30.4	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

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