15081497 STANEY CREEK NEAR KLAWOCK, AK

Southern Southeast Alaska Basin
Prince of Wales Subbasin

LOCATION.--Lat 55°48′05″, long 133°06′31″ referenced to North American Datum of 1927, in SE ¼ SW ¼ NW ¼ sec.14, T.70 S., R.88 E., Prince of Wales-Outer Ketchikan Division, AK, Hydrologic Unit 19010103, (Craig D-4 quad), on Prince of Wales Island, in Tongass National Forest, on right bank, approximately 2.9 mi upstream from mouth, and 17 mi north of Klawock.

DRAINAGE AREA.--50.6 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--September 1989 to current year. Equivalent daily discharge record collected at station no. 15081500, Staney Creek near Craig, during water years 1964-81, with drainage area 51.6 mi^2.

GAGE.--Water-stage recorder. Elevation of gage is 47 ft above sea level, by barometer.

REMARKS.--Records good, except for discharges above 6,000 ft^3/s, and estimated daily discharges, which are poor. GOES satellite telemetry at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 7,000 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 5	0045	*10,000	*14.79
Feb 15	1600	7,320	13.83

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 15081497, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/15081497.2013.pdf

15081497 STANEY CREEK NEAR KLAWOCK, AK—Continued

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,570	32	127	224	555	404	192	567	143	45	25	86
2	299	70	98	2,010	1,040	236	190	705	160	36	21	59
3	144	237	91	472	1,280	177	124	356	112	28	19	46
4	103	1,450	144	524	486	124	97	349	98	26	17	39
5	84	3,610	102	282	221	97	96	258	126	22	17	48
6	73	1,080	87	239	176	79	178	218	146	19	18	49
7	63	472	92	218	141	69	206	163	266	17	16	37
8	56	192	72	292	595	65	149	145	369	18	17	245
9	51	120	503	146	371	110	812	175	316	44	35	114
10	48	89	2,760	103	854	256	471	182	130	85	27	67
11	46	108	1,540	82	841	215	188	208	91	76	20	52
12	341	256	316	69	711	159	171	229	77	53	17	43
13	1,320	156	827	65	281	125	154	344	63	98	15	38
14	1,250	342	693	321	552	118	110	629	51	97	15	33
15	1,860	812	1,150	625	4,040	186	97	363	45	55	108	29
16	1,280	576	302	982	705	235	94	310	42	37	195	30
17	1,380	304	141	3,360	276	136	179	212	40	28	139	74
18	964	189	102	813	192	110	226	406	36	22	565	150
19	276	196	91	254	141	131	177	242	32	19	474	1,100
20	164	386	73	160	239	126	108	134	28	18	254	1,160
21	115	166	e60	145	504	91	82	97	28	17	121	953
22	89	262	e50	133	645	77	72	93	43	20	157	936
23	73	546	e42	309	337	70	70	97	40	24	281	615
24	63	2,470	e38	300	285	79	102	93	34	446	123	263
25	54	548	e35	517	175	295	844	91	60	537	87	133
26	49	316	e33	342	158	314	4,170	84	53	407	69	205
27	46	174	e37	313	316	145	1,380	81	39	122	63	610
28	35	341	e50	174	618	101	1,140	85	31	72	55	1,080
29	32	376	e70	172	---	83	455	92	29	50	45	306
30	31	200	e68	559	---	85	203	77	40	38	74	186
31	32	---	e300	789	---	147	---	90	---	30	106	---
Total	11,991	16,076	10,094	14,994	16,735	4,645	12,537	7,175	2,768	2,606	3,195	8,786
Mean	387	536	326	484	598	150	418	231	92.3	84.1	103	293
Max	1,860	3,610	2,760	3,360	4,040	404	4,170	705	369	537	565	1,160
Min	31	32	33	65	141	65	70	77	28	17	15	29
Med	84	283	92	292	429	125	178	182	52	37	55	100
Ac-ft	23,780	31,890	20,020	29,740	33,190	9,210	24,870	14,230	5,490	5,170	6,340	17,430
Cfsm	7.64	10.6	6.44	9.56	11.8	2.96	8.26	4.57	1.82	1.66	2.04	5.79
In.	8.82	11.82	7.42	11.02	12.30	3.41	9.22	5.27	2.03	1.92	2.35	6.46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2013, BY WATER YEAR (WY)#

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	683	571	563	480	383	334	314	237	120	118	195	520
Max	1,144	996	1,270	903	983	731	675	558	252	260	670	1,127
(WY)	(2009)	(1992)	(1992)	(2007)	(1991)	(2010)	(2007)	(1999)	(1999)	(2007)	(2011)	(2011)
Min	387	201	117	240	125	86.0	144	56.3	20.4	22.1	26.6	166
(WY)	(2013)	(1997)	(2010)	(1998)	(2010)	(2006)	(2003)	(2005)	(2005)	(1993)	(1993)	(1995)

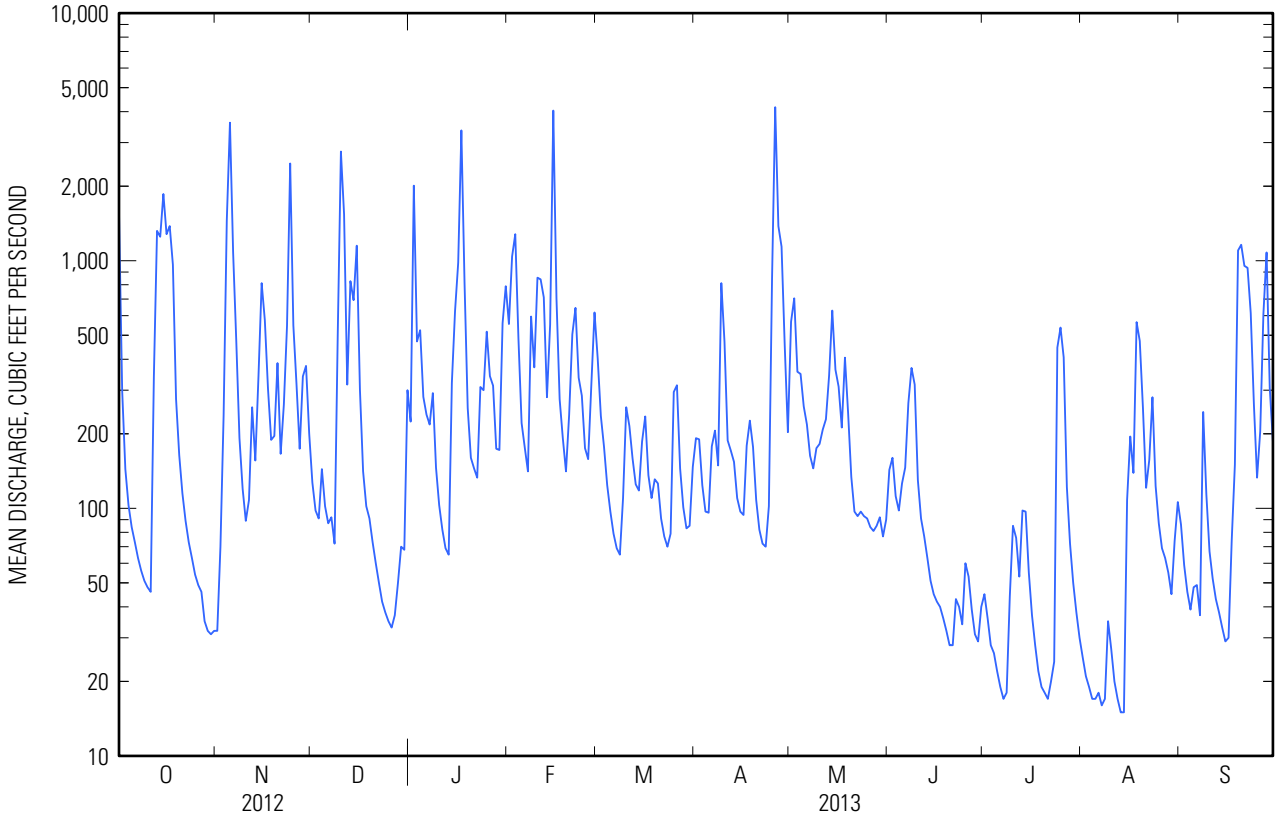
15081497 STANEY CREEK NEAR KLAWOCK, AK—Continued

SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1990 – 2013#	
Annual total	130,791		111,602			
Annual mean	357		306		376	
Highest annual mean					506	1992
Lowest annual mean					283	1995
Highest daily mean	4,550	Sep 12	4,170	Apr 26	14,900	Oct 26, 1993
Lowest daily mean	31	Oct 30	15	Aug 13	4.4	Jul 21, 1993
Annual seven-day minimum	37	Oct 26	18	Aug 2	6.0	Jul 15, 1993
Maximum peak flow			10,000	Nov 5	[a]19,800	Oct 26, 1993
Maximum peak stage			14.79	Nov 5	17.20	Oct 26, 1993
Instantaneous low flow			13	Aug 7	4.0	Jul 21, 1993
Annual runoff (ac-ft)	259,400		221,400		272,700	
Annual runoff (cfsm)	7.06		6.04		7.44	
Annual runoff (inches)	96.15		82.05		101.06	
10 percent exceeds	919		742		900	
50 percent exceeds	192		134		170	
90 percent exceeds	56		32		40	

See Period of Record; partial year used in monthly statistics

[a] From rating extended above 3,300 ft³/s



15081497 STANEY CREEK NEAR KLAWOCK, AK—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1990 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: January 1990 to current year.

INSTRUMENTATION.--Electronic water temperature recorder since January 11, 1990, set for 2-hour recording interval. As of April 9, 1996, recorder set to 15-minute recording interval.

REMARKS.--Temperature at the sensor was compared with the stream average by cross-section on May 7th, June 26, and August 29. Variations of 0.4°C, 0.6°C, 0.5°C respectively were found on those dates. A variation of 0.6°C or less was found between mean stream temperature and sensor temperature. Record is good.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum recorded, 26.0°C, June 29, 1990, but may have been higher during period of instrument malfunction July 9 to August 23, 1990; minimum, 0.0°C on many days during winter periods.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 23.0°C, June 24; minimum, 0.0°C on many days during fall and winter.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
[ft, feet; ft³/s, cubic feet per second; °C, degrees Celsius]

Date	Sample start time	Stream width, ft (00004)	Location in cross section, distance from left bank looking down-stream, ft (00009)	Gage height, ft (00065)	Discharge, instanta-neous, ft³/s (00061)	Sampling method (82398)	Tempera-ture, water, °C (00010)	Tempera-ture, air, °C (00020)
May 7, 2013	**1015**	95.0	9.50	7.79	168	EWI	6.5	9.5
May 7, 2013	**1016**	95.0	28.5	7.79	168	EWI	6.6	9.5
May 7, 2013	**1017**	95.0	47.5	7.79	168	EWI	6.4	9.5
May 7, 2013	**1018**	95.0	66.5	7.79	168	EWI	6.4	9.5
May 7, 2013	**1019**	95.0	85.5	7.79	168	EWI	6.8	9.5
June 26, 2013	**1115**	78.0	7.80	7.29	52	EWI	15.8	17.2
June 26, 2013	**1116**	78.0	23.4	7.29	52	EWI	15.8	17.2
June 26, 2013	**1117**	78.0	39.0	7.29	52	EWI	15.7	17.2
June 26, 2013	**1118**	78.0	54.6	7.29	52	EWI	15.8	17.2
June 26, 2013	**1119**	78.0	70.2	7.29	52	EWI	16.3	17.2
August 29, 2013	**1315**	70.0	7.00	7.22	42	EWI	15.3	20.5
August 29, 2013	**1316**	70.0	21.0	7.22	42	EWI	15.4	20.5
August 29, 2013	**1317**	70.0	35.0	7.22	42	EWI	15.5	20.5
August 29, 2013	**1318**	70.0	49.0	7.22	42	EWI	15.6	20.5
August 29, 2013	**1319**	70.0	63.0	7.22	42	EWI	15.8	20.5

15081497 STANEY CREEK NEAR KLAWOCK, AK—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	9.0	8.0	8.5	0.0	0.0	0.0	2.0	1.0	1.5	0.5	0.0	0.0
2	8.0	6.5	7.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	0.0	0.5
3	8.0	7.0	7.5	0.0	0.0	0.0	1.5	1.0	1.5	1.5	0.5	1.0
4	9.0	8.0	8.5	2.5	0.0	1.0	1.5	1.0	1.5	1.5	1.0	1.0
5	10.0	8.5	9.0	3.5	2.5	3.0	1.0	0.5	1.0	2.0	1.5	1.5
6	9.5	8.5	9.0	3.5	3.0	3.5	1.0	0.0	0.5	1.5	1.0	1.5
7	9.5	8.0	8.5	3.5	2.5	3.0	0.5	0.0	0.5	1.5	1.0	1.5
8	8.5	7.0	7.5	2.5	1.5	2.0	0.5	0.0	0.0	1.0	0.5	1.0
9	8.0	6.5	7.0	1.5	0.5	1.0	0.5	0.0	0.0	0.5	0.0	0.0
10	9.0	7.5	8.0	1.5	0.5	1.0	1.5	0.5	1.0	0.5	0.0	0.0
11	8.5	8.0	8.5	2.5	1.5	2.0	2.0	1.5	2.0	0.5	0.0	0.0
12	9.0	8.5	8.5	3.0	2.5	2.5	1.5	1.0	1.5	0.5	0.5	0.5
13	9.0	8.5	9.0	3.0	2.5	2.5	2.0	1.5	2.0	1.0	0.5	1.0
14	9.0	8.5	8.5	3.5	3.0	3.0	2.0	1.5	2.0	2.0	1.0	1.5
15	8.5	8.0	8.5	3.5	3.5	3.5	2.0	1.5	2.0	2.5	2.0	2.0
16	8.0	7.0	7.5	3.5	3.5	3.5	1.5	0.5	1.0	2.5	2.0	2.0
17	7.0	6.0	6.5	3.5	2.5	2.5	0.5	0.0	0.5	3.0	2.5	2.5
18	6.0	5.5	6.0	3.0	2.5	2.5	0.5	0.0	0.5	2.5	2.0	2.5
19	5.5	4.5	5.0	3.0	2.5	3.0	0.0	0.0	0.0	2.0	1.5	2.0
20	4.5	3.5	4.0	3.0	2.5	2.5	0.0	0.0	0.0	2.5	2.0	2.5
21	3.5	2.0	2.5	2.5	2.0	2.0	0.0	0.0	0.0	3.0	2.5	3.0
22	2.0	1.0	1.5	3.0	2.0	2.5	0.0	0.0	0.0	3.0	2.5	2.5
23	1.0	0.0	0.5	3.5	2.5	3.0	0.0	0.0	0.0	3.0	3.0	3.0
24	0.5	0.0	0.5	4.0	3.5	3.5	0.0	0.0	0.0	3.0	2.5	3.0
25	0.5	0.0	0.0	3.5	3.5	3.5	0.0	0.0	0.0	3.0	3.0	3.0
26	0.5	0.0	0.0	3.5	3.0	3.5	0.0	0.0	0.0	3.0	2.5	3.0
27	0.5	0.0	0.0	3.0	2.5	2.5	0.0	0.0	0.0	2.5	1.0	2.0
28	0.0	0.0	0.0	3.0	2.5	3.0	0.0	0.0	0.0	1.0	0.0	0.5
29	0.0	0.0	0.0	3.0	3.0	3.0	0.0	0.0	0.0	0.5	0.0	0.5
30	0.0	0.0	0.0	3.0	2.0	2.5	0.0	0.0	0.0	1.5	0.5	1.0
31	0.0	0.0	0.0	---	---	---	0.0	0.0	0.0	2.0	1.5	1.5
Month	10.0	0.0	5.1	4.0	0.0	2.4	2.0	0.0	0.6	3.0	0.0	1.5

15081497 STANEY CREEK NEAR KLAWOCK, AK—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	2.5	2.0	2.0	3.0	2.0	2.5	4.5	2.5	3.5	5.5	4.0	4.5
2	3.0	2.5	2.5	3.5	2.5	3.0	4.5	2.0	3.0	5.5	4.5	5.0
3	3.0	2.5	2.5	3.5	2.5	3.0	4.5	2.0	3.0	8.0	5.0	6.5
4	2.5	2.0	2.0	3.0	1.5	2.5	5.5	2.5	4.0	8.0	6.5	7.0
5	2.5	2.0	2.5	2.0	0.5	1.5	5.0	3.5	4.0	10.5	6.0	8.0
6	3.0	2.0	2.5	1.0	0.0	0.5	6.5	4.0	5.0	11.5	7.0	8.5
7	2.5	2.0	2.0	0.5	0.0	0.5	6.0	3.5	4.5	11.5	5.5	8.5
8	3.0	2.5	2.5	1.5	0.0	0.5	4.5	3.0	4.0	12.5	6.0	9.0
9	3.5	2.5	3.0	2.0	1.0	1.5	4.5	3.5	4.0	13.0	6.5	9.5
10	3.5	3.5	3.5	2.0	0.5	1.5	4.5	3.0	3.5	11.0	7.5	9.0
11	3.5	3.0	3.0	2.0	1.0	1.5	5.0	2.0	3.5	10.0	8.0	9.0
12	3.0	2.5	2.5	2.5	1.5	1.5	5.5	3.0	4.0	9.5	7.5	8.5
13	2.5	2.0	2.5	2.5	1.0	1.5	6.5	2.5	4.5	8.5	7.5	8.0
14	3.5	2.5	3.0	3.0	1.5	2.0	6.5	3.5	5.0	8.0	7.0	7.5
15	4.0	3.0	4.0	3.5	2.0	2.5	7.5	2.5	5.0	9.5	7.0	8.5
16	3.5	3.0	3.5	3.0	1.5	2.0	5.5	3.5	4.5	9.5	8.0	8.5
17	3.0	3.0	3.0	3.5	1.5	2.0	7.5	4.0	5.0	9.5	8.0	8.5
18	3.5	2.5	3.0	2.5	1.0	2.0	6.0	4.5	5.0	9.0	7.5	8.5
19	3.5	2.0	3.0	2.0	0.0	1.0	7.5	3.5	5.0	9.0	6.5	7.5
20	3.5	2.5	3.0	2.5	0.5	1.5	7.5	2.5	5.0	8.5	6.0	7.5
21	2.5	2.0	2.5	1.5	0.0	1.0	8.5	2.5	5.0	13.5	5.5	9.0
22	3.0	2.0	2.5	2.5	0.0	1.0	8.0	3.0	5.5	15.0	7.0	10.5
23	2.5	2.0	2.5	3.5	0.5	2.0	9.5	4.0	6.5	15.5	8.0	11.0
24	2.5	2.0	2.0	3.5	1.5	2.5	8.5	6.0	7.0	13.0	9.5	11.0
25	2.5	1.0	2.0	3.5	2.0	3.0	6.5	4.5	5.5	11.5	9.5	10.5
26	3.0	2.0	2.5	3.0	1.5	2.0	5.0	4.5	4.5	11.5	9.0	10.5
27	2.5	2.0	2.5	3.5	0.5	2.0	5.0	4.0	4.5	17.0	9.0	12.5
28	3.0	2.5	2.5	3.5	0.5	2.0	4.5	3.0	4.0	15.0	10.0	12.5
29	---	---	---	4.0	1.0	2.5	5.0	3.5	4.0	13.5	11.0	12.0
30	---	---	---	5.0	2.5	3.5	5.5	3.0	4.0	15.0	9.0	12.0
31	---	---	---	6.0	3.5	4.5	---	---	---	12.5	10.5	11.5
Month	4.0	1.0	2.7	6.0	0.0	2.0	9.5	2.0	4.5	17.0	4.0	9.0

15081497 STANEY CREEK NEAR KLAWOCK, AK—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	11.5	10.0	10.5	18.0	15.0	16.0	21.5	15.5	18.5	16.5	13.5	15.0
2	11.5	9.5	10.5	16.0	13.5	15.0	20.5	15.0	18.0	17.0	14.0	15.5
3	11.5	8.5	10.0	16.0	13.5	14.5	20.5	15.5	18.0	17.0	13.5	15.5
4	11.0	9.5	10.0	19.5	13.5	16.0	19.5	15.5	17.5	15.5	14.5	14.5
5	13.5	9.0	11.0	19.0	13.0	16.0	18.5	16.5	17.5	16.5	14.0	15.0
6	11.0	9.5	10.0	16.5	14.0	15.0	20.5	15.5	18.0	16.5	13.0	15.0
7	11.0	9.0	10.0	20.0	13.0	16.5	20.0	15.5	18.0	16.5	13.5	15.0
8	10.0	9.0	9.5	17.5	15.5	16.5	18.5	16.5	17.5	16.0	13.5	15.0
9	12.0	8.5	10.0	15.5	13.5	14.0	19.5	16.0	17.5	14.0	12.0	13.0
10	16.0	9.5	12.0	15.0	12.0	13.5	19.5	14.5	17.0	14.5	12.5	13.5
11	17.0	11.0	13.5	14.5	11.0	13.0	20.0	14.0	17.0	16.0	13.5	14.5
12	18.5	12.0	14.5	13.0	12.0	12.5	20.0	15.0	17.5	15.5	14.5	15.0
13	13.5	12.0	12.5	13.0	11.5	12.0	18.0	16.0	16.5	15.5	14.0	15.0
14	18.5	11.0	14.0	18.0	11.0	14.0	20.5	15.0	17.5	15.0	12.0	13.5
15	21.0	11.5	16.0	19.5	11.5	15.0	19.0	14.5	16.5	14.0	11.5	13.0
16	22.5	14.0	18.0	20.5	12.5	16.5	16.0	14.0	15.0	13.5	12.5	13.0
17	19.0	15.0	17.0	22.5	14.0	18.0	15.5	14.0	15.0	13.5	12.0	12.5
18	21.5	14.5	17.5	18.5	15.5	16.5	14.0	13.0	13.0	12.5	11.0	12.0
19	20.5	15.0	17.5	17.0	15.0	16.0	13.5	12.5	13.0	12.0	11.5	11.5
20	17.0	14.5	16.0	18.0	15.0	16.0	14.5	12.5	13.5	12.5	11.5	12.0
21	16.5	14.0	15.5	16.5	15.0	16.0	14.0	13.0	13.5	11.5	10.5	11.0
22	17.0	13.5	15.0	16.5	15.0	15.5	14.0	12.5	13.5	11.0	10.5	11.0
23	19.5	14.0	16.0	16.0	14.5	15.0	15.0	12.5	13.5	10.5	10.0	10.0
24	23.0	14.0	18.5	15.0	13.0	14.0	14.5	12.5	13.5	10.5	9.0	9.5
25	19.0	15.0	16.5	13.5	12.5	13.0	15.0	13.0	14.0	9.5	7.5	9.0
26	19.0	13.5	16.0	15.5	12.0	13.5	16.0	13.5	14.5	10.0	9.0	9.5
27	17.5	14.0	15.5	17.0	13.0	14.5	15.5	13.5	14.5	10.0	9.5	9.5
28	18.5	14.5	16.5	21.0	14.0	17.0	16.0	11.5	14.0	10.0	9.0	9.5
29	17.5	15.0	16.0	21.5	14.0	17.5	17.0	12.0	14.5	9.5	9.0	9.0
30	17.5	14.5	16.0	22.0	15.0	18.5	16.0	14.5	15.0	9.5	8.0	9.0
31	---	---	---	22.0	15.0	18.5	15.5	14.5	15.0	---	---	---
Month	23.0	8.5	14.1	22.5	11.0	15.3	21.5	11.5	15.7	17.0	7.5	12.5

	Max	Min	Mean
Year	23.0	0.0	7.1