

13342500 CLEARWATER RIVER AT SPALDING, ID

Clearwater Basin
Clearwater Subbasin

LOCATION.--Lat 46°26'55", long 116°49'35" referenced to North American Datum of 1927, in NW ¼ NE ¼ SW ¼ sec.22, T.36 N., R.4 W., Nez Perce County, ID, Hydrologic Unit 17060306, Lapwai quad., Nez Perce Indian Reservation, on left bank 0.4 mi downstream from Lapwai Creek, 0.6 mi west of Spalding Post Office, 0.9 mi upstream from U.S. Highway 95 bridge, and at mile 11.6.

DRAINAGE AREA.--9,283 mi², Mean elevation, 4,360 ft.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--August 1910 to October 1913, October 1924 to January 1925, April 1925 to current year. Published as "near Lewiston", 1910-13, 1924-27. Records published for both sites March 1926 to September 1927.

REVISED RECORDS.--WSP 1737: 1927, 1935, 1943. WDR-US-2010: Drainage area.

GAGE.--Water-stage recorder, crest-stage gage, temperature sensor and acoustic velocity meter. Datum of gage is 770.49 ft above NGVD of 1929. Aug. 23, 1910 to Oct. 31, 1913, staff gage at datum about 731.5 ft and Oct. 2, 1924 to Sept. 30, 1926, water-stage recorder at datum 730.23 ft at sites 7 mi downstream. Oct. 1, 1926 to Sept. 21, 1928, staff gage at highway bridge 3,100 ft upstream from present gage at datum 772.49 ft above mean sea level (datum of 1929, supplementary adjustment of 1947). Sept. 22, 1928 to Sept. 30, 1962, water-stage recorder at site 800 ft upstream at same datum. Staff or wire-weight gage at bridge site and datum 3,100 ft upstream used as supplementary gage since 1928. Sept. 1, 1961 to May 17, 1962, staff gage at Northern Pacific Railroad bridge 1.2 mi upstream at different datum used as supplementary gage. Oct. 1, 1962 to Sept. 20, 1967, graphic water-stage recorder at present site and datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes satellite telemetry and crest stage gage. Diversions above station for irrigation of about 1,630 acres (1966 determination). Regulation of the North Fork Clearwater River at Ahsahka began on Sept. 27, 1971, when diversion tunnel at Dworshak Dam was closed.

EXTREMES FOR PERIOD OF RECORD.--

UNREGULATED PERIOD (1911-71): Maximum discharge prior to regulation by Dworshak Reservoir, 177,000 ft³/s May 29, 1948, gage height, 23.76 ft; maximum gage height, 27.77 ft, Feb. 5, 1963, from floodmark (ice jam); minimum daily discharge, 500 ft³/s Jan. 9, 1937, Dec. 1, 1952.

REGULATED PERIOD (1972 to current year): Maximum discharge since regulation began, 131,000 ft³/s June 16, 1974, gage height, 19.10 ft; minimum, 1,350 ft³/s Oct. 31, 1971, gage height, 2.47 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 1894 reached a stage of 20.8 ft, site and datum in use 1924-26, discharge, 136,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 65,900 ft³/s May 14, gage height, 13.64 ft; minimum daily, 2,590 ft³/s Oct. 5.

13342500 CLEARWATER RIVER AT SPALDING, ID—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	2,660	6,650	6,480	4,680	8,180	6,830	18,200	27,900	25,000	16,700	11,600	8,870
2	2,640	5,890	8,150	4,480	8,070	8,420	22,900	25,800	20,400	19,200	11,800	8,800
3	2,630	6,280	12,300	3,860	7,630	10,300	25,000	25,100	20,500	18,700	12,500	8,800
4	2,600	5,710	10,800	3,450	7,110	11,300	26,700	25,100	21,400	18,200	12,400	8,830
5	2,590	5,190	9,740	3,950	6,900	9,660	28,800	25,700	21,400	16,900	12,000	8,910
6	2,610	5,000	11,400	4,710	7,060	8,800	34,100	28,200	22,300	14,300	11,900	8,980
7	2,630	4,910	10,400	6,600	7,010	9,630	35,800	32,900	26,400	14,000	11,800	9,450
8	2,660	5,150	9,400	8,700	6,820	8,980	35,100	36,700	30,100	13,800	11,800	9,230
9	2,680	5,200	8,390	8,890	6,500	8,300	31,100	42,300	29,900	13,600	11,700	7,780
10	2,690	5,000	7,450	9,720	6,210	7,760	28,000	47,200	28,400	14,000	11,700	e7,280
11	2,690	4,730	7,320	9,820	5,920	7,600	27,000	48,800	25,400	15,900	11,800	e7,310
12	2,680	4,440	7,200	9,260	5,680	7,970	26,300	50,700	22,600	14,800	11,800	6,450
13	2,720	4,290	7,510	8,760	5,680	8,550	26,900	56,100	21,200	12,900	10,200	6,050
14	2,760	4,350	6,690	8,430	6,260	9,130	26,900	60,900	21,400	12,800	9,720	6,010
15	3,030	4,560	6,220	8,610	6,120	9,820	24,900	53,100	18,500	14,700	9,680	5,990
16	3,230	4,580	6,170	8,760	6,170	11,100	23,300	44,300	16,600	13,000	9,630	4,670
17	4,540	4,370	6,020	8,300	6,980	12,300	22,000	39,000	16,500	12,500	9,510	3,600
18	4,490	4,410	5,910	5,870	7,060	11,800	21,100	36,500	17,100	12,400	9,510	3,650
19	3,650	4,870	5,680	4,890	6,610	10,400	20,900	33,100	18,100	12,300	9,490	3,850
20	3,310	4,960	5,310	4,900	6,400	9,700	23,800	30,300	21,500	12,200	9,440	4,170
21	3,960	5,750	5,190	4,860	6,040	11,500	24,500	29,600	22,700	12,600	9,420	3,960
22	4,360	9,430	5,430	4,520	5,830	11,100	23,900	29,600	15,900	14,000	8,870	3,020
23	3,770	7,570	5,480	4,500	5,920	10,100	22,900	28,700	14,500	13,100	8,730	2,820
24	3,490	6,380	5,440	4,850	5,880	9,350	21,900	25,600	13,700	13,000	9,540	2,910
25	3,390	6,700	5,310	5,600	5,650	8,750	21,400	23,800	14,300	12,600	9,840	3,280
26	3,380	6,420	5,150	6,850	5,580	8,420	21,700	22,200	16,900	11,800	9,850	4,310
27	3,410	5,610	5,090	7,980	5,440	8,400	22,900	22,000	14,500	11,800	9,070	4,350
28	3,480	5,000	5,100	7,310	5,470	8,480	25,200	22,600	13,900	11,700	8,850	3,900
29	5,100	5,070	4,990	8,200	---	8,960	29,300	23,500	13,200	11,700	8,850	3,610
30	11,400	5,430	4,750	8,600	---	10,200	31,000	27,100	14,400	11,600	8,900	4,290
31	9,110	---	4,590	8,980	---	12,300	---	27,300	---	11,700	8,900	---
Total	114,340	163,900	215,060	208,890	180,180	295,910	773,500	1,051,700	598,700	428,500	320,800	175,130
Mean	3,688	5,463	6,937	6,738	6,435	9,545	25,780	33,930	19,960	13,820	10,350	5,838
Max	11,400	9,430	12,300	9,820	8,180	12,300	35,800	60,900	30,100	19,200	12,500	9,450
Min	2,590	4,290	4,590	3,450	5,440	6,830	18,200	22,000	13,200	11,600	8,730	2,820
Ac-ft	226,800	325,100	426,600	414,300	357,400	586,900	1,534,000	2,086,000	1,188,000	849,900	636,300	347,400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 1971, BY WATER YEAR (WY) (UNREGULATED)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	4,416	6,790	8,078	7,715	9,362	13,290	30,670	50,570	37,270	10,180	3,616	3,174
Max	17,160	38,940	33,250	28,480	22,100	32,100	53,370	85,900	73,630	21,800	6,180	7,210
(WY)	(1960)	(1928)	(1934)	(1934)	(1971)	(1934)	(1943)	(1948)	(1964)	(1950)	(1950)	(1968)
Min	1,893	1,783	2,126	1,577	2,068	3,868	14,880	24,830	10,760	3,682	1,935	1,870
(WY)	(1953)	(1937)	(1953)	(1937)	(1937)	(1955)	(1941)	(1941)	(1934)	(1931)	(1931)	(1937)

13342500 CLEARWATER RIVER AT SPALDING, ID—Continued

SUMMARY STATISTICS

Water Years 1911 - 1971		
Annual mean	^a 15,430	
Highest annual mean	24,250	
Lowest annual mean	8,556	
Highest daily mean	166,000	May 29
Lowest daily mean	500	Jan 9
Annual seven-day minimum	921	Nov 26
Annual runoff (ac-ft)	11,180,000	
10 percent exceeds	42,400	
50 percent exceeds	7,000	
90 percent exceeds	2,500	

^a Statistics 1911-1971 are prior to regulation by Dworshak Reservoir.

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2013, BY WATER YEAR (WY)

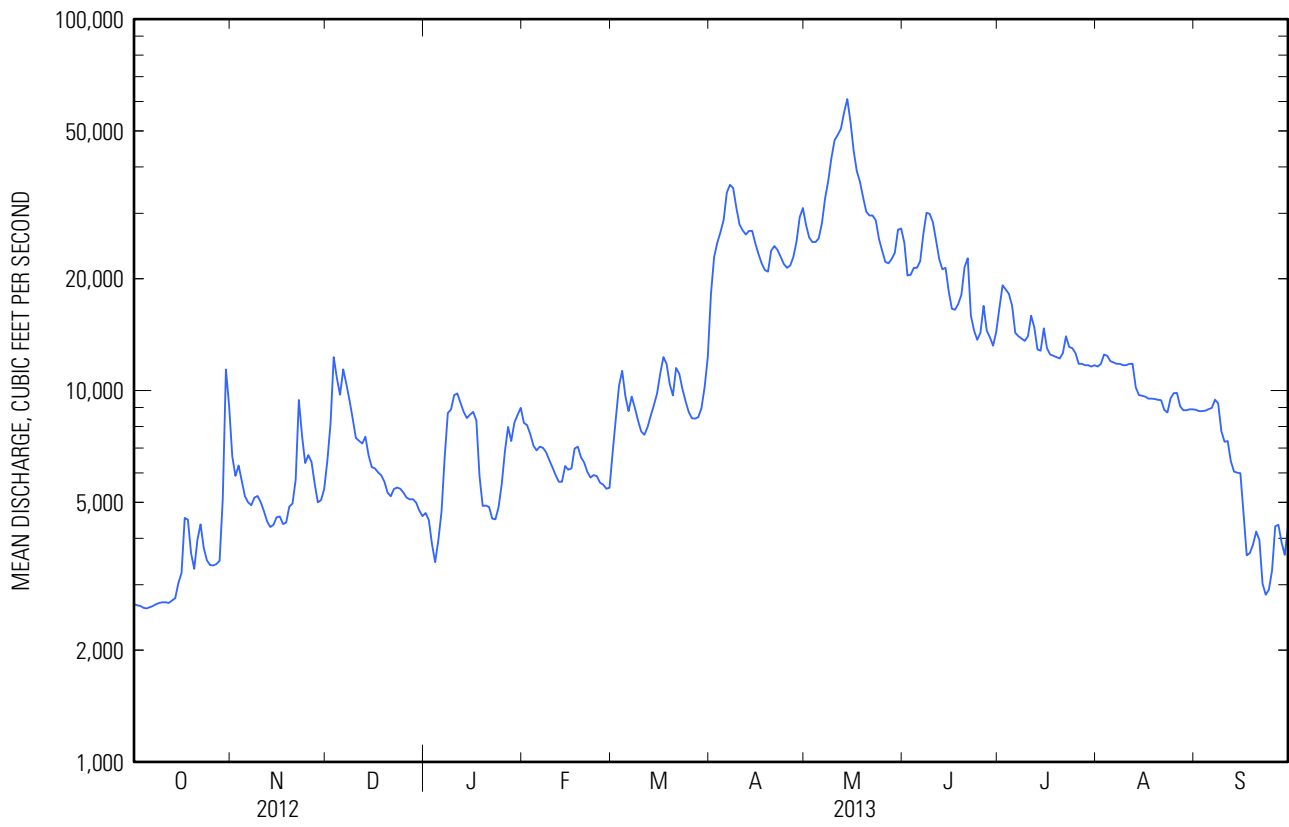
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	4,051	6,417	8,278	9,613	11,250	16,180	24,050	35,960	31,920	14,810	9,043	6,795
Max	8,260	21,010	27,180	27,320	38,940	35,770	44,670	63,180	73,570	31,140	19,000	11,520
(WY)	(1976)	(1996)	(1976)	(1974)	(1996)	(1986)	(2012)	(1972)	(1974)	(2011)	(1997)	(1986)
Min	1,711	2,209	2,479	3,301	3,350	4,722	7,761	19,200	8,766	4,861	2,914	2,513
(WY)	(1972)	(1972)	(1972)	(1987)	(1973)	(2010)	(1973)	(1977)	(1987)	(1987)	(1994)	(1994)

SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1972 - 2013	
Annual total	6,089,920		^b 4,526,610			
Annual mean	16,640		12,400		14,860	
Highest annual mean					25,020	
Lowest annual mean					7,852	
Highest daily mean	76,300	Apr 27	60,900	May 14	124,000	Jun 16, 1974
Lowest daily mean	2,590	Oct 5	2,590	Oct 5	1,390	Oct 31, 1971
Annual seven-day minimum	2,620	Oct 1	2,620	Oct 1	1,470	Oct 8, 1971
Annual runoff (ac-ft)	12,080,000		8,979,000		10,770,000	
10 percent exceeds	38,500		26,500		34,300	
50 percent exceeds	10,800		8,910		10,200	
90 percent exceeds	3,560		3,960		3,390	

^b Regulated by Dworshak Reservoir.

13342500 CLEARWATER RIVER AT SPALDING, ID—Continued



13342500 CLEARWATER RIVER AT SPALDING, ID—Continued**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Water years 1959-60, 1968 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Water years 1959-70, 1972 to current year.

INSTRUMENTATION.--Temperature recorder since October 1959.

REMARKS.--Sediment samples collected 1972 - 1995, 2008 - 2012.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 28.0 °C Aug. 13, 1963; minimum, 0.0 °C on many days during winter months.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 18.0 °C June 29; minimum, 1.0 °C Jan. 4 , 5 , 19-23.

**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	14.5	12.0	13.5	10.0	9.5	10.0	6.5	5.5	6.0	3.0	2.5	3.0
2	14.0	12.0	13.0	10.5	9.5	10.0	7.0	6.0	6.5	3.0	2.0	2.5
3	12.5	10.5	11.5	10.5	10.0	10.0	6.0	5.5	6.0	2.0	1.0	1.5
4	12.5	10.0	11.0	10.5	9.5	10.0	6.5	5.5	6.0	2.5	1.0	2.0
5	12.0	9.0	10.5	10.5	9.5	10.0	6.5	5.5	6.0	3.0	2.0	2.5
6	11.0	8.5	10.0	11.0	9.5	10.0	5.5	5.0	5.5	3.5	2.5	3.0
7	11.0	8.5	9.5	10.5	9.0	10.0	5.5	5.0	5.0	3.5	1.5	2.5
8	11.0	8.5	9.5	9.5	8.0	8.5	5.0	3.5	4.5	4.5	3.5	4.0
9	11.0	8.5	10.0	8.5	7.5	8.0	4.0	3.0	3.5	4.5	4.0	4.5
10	11.0	9.0	10.0	7.5	6.5	7.0	4.5	3.5	4.0	4.5	3.5	4.0
11	11.5	9.0	10.0	6.5	6.0	6.5	4.0	3.5	4.0	3.5	3.0	3.0
12	10.5	9.0	10.0	6.5	6.0	6.5	5.0	4.0	4.5	3.0	2.5	3.0
13	12.0	10.0	11.0	7.5	6.5	7.0	4.5	3.5	4.0	3.5	2.5	3.0
14	12.5	11.0	11.5	7.5	7.0	7.0	4.5	3.5	4.0	3.0	2.5	3.0
15	13.0	11.5	12.5	7.0	6.0	6.5	4.5	4.0	4.5	4.0	3.0	3.5
16	13.0	11.0	12.5	7.5	6.5	7.0	4.5	4.0	4.5	3.0	2.5	2.5
17	12.0	10.0	11.0	8.0	7.0	7.5	4.5	4.0	4.5	3.5	2.5	2.5
18	11.0	9.5	10.5	7.5	6.5	7.0	4.0	3.0	3.5	3.5	2.0	2.5
19	11.5	10.0	11.0	7.5	6.5	7.0	3.5	3.0	3.0	2.5	1.0	1.5
20	11.0	10.5	11.0	8.0	7.0	7.5	4.0	3.0	3.5	2.0	1.0	1.5
21	10.5	9.0	9.5	8.0	7.5	8.0	4.0	3.5	3.5	2.0	1.0	1.5
22	9.5	8.0	8.5	7.5	6.0	6.5	4.5	3.5	4.0	2.0	1.0	1.5
23	8.5	7.0	8.0	6.0	5.5	6.0	4.0	3.5	4.0	2.5	1.0	2.0
24	8.0	6.5	7.5	7.0	6.0	6.5	4.0	4.0	4.0	3.5	2.5	3.0
25	9.0	7.5	8.5	6.5	5.5	6.0	4.0	3.0	3.5	3.5	3.0	3.5
26	8.0	7.0	7.5	5.5	4.5	5.0	4.5	3.5	4.0	3.5	3.0	3.0
27	8.5	7.5	8.0	5.0	4.5	4.5	4.5	4.0	4.5	3.5	2.5	3.0
28	9.5	8.5	9.0	5.0	4.0	4.5	4.5	3.5	4.0	3.0	2.5	3.0
29	10.5	9.5	10.0	5.5	4.5	5.0	3.5	3.0	3.5	4.0	3.0	3.5
30	10.0	9.0	9.0	6.0	5.5	5.5	4.0	3.5	3.5	5.0	3.5	4.5
31	10.0	8.5	9.5	---	---	---	3.5	3.0	3.5	5.0	4.0	4.5
Month	14.5	6.5	10.1	11.0	4.0	7.3	7.0	3.0	4.4	5.0	1.0	2.9

13342500 CLEARWATER RIVER AT SPALDING, ID—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	5.5	4.0	5.0	7.0	5.0	6.0	9.0	7.0	8.0	7.5	6.0	7.0
2	4.5	3.0	4.0	6.0	4.5	5.5	9.0	6.5	7.5	8.0	6.0	7.0
3	4.5	3.0	3.5	5.5	3.5	5.0	9.0	7.0	7.5	8.5	7.0	7.5
4	5.0	3.5	4.5	6.0	2.5	4.0	7.5	7.0	7.0	9.5	7.5	8.0
5	5.5	4.0	5.0	5.0	2.5	4.0	8.0	6.5	7.0	9.5	7.5	8.5
6	5.5	4.0	5.0	6.5	4.0	5.5	7.5	6.5	7.0	10.0	8.0	9.0
7	4.5	4.0	4.5	7.0	4.5	5.5	7.0	6.0	6.5	10.0	9.0	9.5
8	5.0	4.0	4.5	7.0	3.5	5.0	6.5	5.5	6.0	10.0	9.0	9.5
9	5.0	4.0	4.5	7.0	3.5	5.0	7.0	5.5	6.0	10.0	8.5	9.5
10	4.5	3.5	4.0	6.0	3.5	5.0	7.0	6.0	6.5	9.5	8.5	9.0
11	5.0	3.5	4.0	7.5	4.5	6.0	7.0	6.0	6.5	10.0	8.5	9.0
12	5.5	4.0	4.5	7.5	5.5	6.5	7.0	5.5	6.5	10.0	8.0	9.0
13	6.5	4.5	5.5	8.0	6.0	7.0	7.5	6.5	7.0	10.0	8.5	9.0
14	5.5	4.0	5.0	8.0	6.0	7.0	7.0	6.0	6.5	9.5	8.0	9.0
15	6.0	4.0	5.0	9.0	6.5	7.5	7.0	5.5	6.0	9.5	8.0	8.5
16	6.0	4.0	5.0	7.5	6.0	7.0	7.0	5.0	6.0	9.0	8.0	8.5
17	6.0	4.5	5.5	6.5	5.5	6.0	7.5	4.5	6.0	9.5	8.0	9.0
18	5.0	3.5	4.5	6.5	5.0	5.5	6.5	5.0	6.0	9.0	8.0	8.5
19	5.0	4.0	4.5	6.5	3.5	5.0	7.0	5.5	6.0	8.5	7.5	8.0
20	5.5	4.5	5.0	7.5	5.5	6.5	7.5	6.0	6.5	9.5	8.0	9.0
21	4.5	3.5	4.0	6.5	5.0	5.5	8.0	6.5	7.0	10.0	9.5	9.5
22	4.5	4.0	4.5	6.5	4.0	5.0	8.5	6.0	7.5	9.5	9.0	9.0
23	5.0	4.0	4.5	6.0	3.0	4.5	8.0	6.5	7.0	9.5	8.5	9.0
24	5.0	3.0	4.0	6.5	3.0	5.0	8.5	5.5	7.0	9.0	8.5	8.5
25	5.0	3.5	4.5	7.0	3.0	5.0	9.0	6.0	7.5	10.0	8.0	9.0
26	5.5	3.5	4.5	8.5	5.0	6.5	9.5	7.0	8.0	10.0	8.5	9.5
27	6.0	4.0	5.0	10.0	6.0	8.0	9.0	7.5	8.5	10.5	9.0	10.0
28	5.5	5.0	5.0	10.0	7.0	8.5	9.5	7.5	8.5	11.0	9.5	10.5
29	---	---	---	10.0	7.5	9.0	9.0	8.0	8.5	10.5	9.5	10.0
30	---	---	---	10.5	7.0	8.5	8.0	6.5	7.0	10.0	9.5	9.5
31	---	---	---	10.5	6.5	8.5	---	---	---	10.5	9.0	10.0
Month	6.5	3.0	4.6	10.5	2.5	6.1	9.5	4.5	7.0	11.0	6.0	8.9

13342500 CLEARWATER RIVER AT SPALDING, ID—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	10.0	9.0	9.5	16.5	13.5	15.0	11.5	10.0	11.0	13.5	11.5	12.5
2	11.5	9.0	10.0	15.0	12.5	13.5	11.5	10.0	11.0	13.0	12.0	12.5
3	12.5	10.5	11.5	15.0	12.5	13.5	12.5	10.5	11.5	13.5	11.5	12.5
4	12.5	11.0	11.5	14.5	12.0	13.0	13.5	10.5	12.0	13.5	11.5	12.5
5	13.0	11.5	12.0	14.0	11.5	13.0	13.0	10.5	12.0	13.5	12.0	12.5
6	13.5	11.5	12.5	15.0	12.0	13.5	13.0	10.5	12.0	13.0	12.0	12.5
7	13.0	12.0	12.5	14.5	12.0	13.5	13.0	10.5	12.0	14.5	12.0	13.0
8	12.5	11.5	12.0	14.5	12.0	13.0	13.0	10.5	11.5	14.0	12.0	13.0
9	12.5	11.5	12.0	14.5	11.5	13.0	12.5	10.5	11.5	---	---	---
10	12.5	11.5	12.0	14.5	11.5	13.0	13.0	10.5	11.5	---	---	---
11	13.0	11.5	12.0	13.5	10.5	12.0	12.5	10.5	11.5	---	---	---
12	13.0	11.5	12.0	13.0	10.5	11.5	13.0	10.5	11.5	15.0	12.5	14.0
13	13.5	12.0	12.5	13.5	11.0	12.0	13.5	10.5	12.0	15.5	13.5	14.5
14	13.5	12.0	12.5	13.5	11.0	12.0	14.0	11.5	12.5	15.5	13.5	14.5
15	13.5	11.0	12.0	13.0	10.5	11.5	14.0	11.5	12.5	15.5	13.5	14.5
16	14.0	11.0	12.5	13.0	10.0	11.5	14.0	11.5	12.5	15.5	14.0	15.0
17	14.5	12.0	13.5	14.5	11.0	12.5	13.5	11.5	12.5	16.0	14.5	15.0
18	14.5	12.5	13.5	14.0	11.0	12.5	14.0	11.0	12.5	15.5	14.0	14.5
19	13.0	12.0	12.5	14.0	11.0	12.5	14.0	11.0	12.5	15.5	13.0	14.0
20	12.0	11.0	11.5	14.0	11.0	12.5	13.5	11.0	12.5	16.0	13.0	14.5
21	12.0	10.0	11.0	13.5	11.0	12.0	13.5	10.5	12.0	15.0	14.0	14.5
22	14.0	11.0	12.5	13.0	10.0	11.5	12.5	11.0	11.5	15.0	13.0	14.0
23	13.5	11.5	12.5	13.0	10.0	11.5	13.5	11.5	12.5	15.0	13.5	14.5
24	13.5	11.5	12.5	13.0	10.5	11.5	13.5	11.0	12.0	15.0	13.5	14.0
25	14.0	11.5	12.5	13.0	10.0	11.5	13.0	11.0	12.0	14.0	13.0	13.5
26	13.0	12.0	12.5	13.5	10.5	12.0	13.5	11.0	12.0	14.5	12.5	13.5
27	16.0	12.0	14.0	13.5	10.5	12.0	13.5	11.0	12.5	13.0	12.0	12.5
28	17.5	13.5	15.5	13.0	10.0	11.5	14.0	11.5	12.5	13.0	12.0	12.5
29	18.0	14.5	16.0	13.0	10.0	11.5	13.5	11.5	12.5	12.5	12.0	12.0
30	17.0	15.5	16.0	12.5	10.0	11.5	14.0	11.5	12.5	12.5	11.0	12.0
31	---	---	---	12.0	10.0	11.5	14.0	11.5	12.5	---	---	---
Month	18.0	9.0	12.5	16.5	10.0	12.3	14.0	10.0	12.0	---	---	---