

# SOUTH-CENTRAL ALASKA

## 15294700 JOHNSON RIVER ABOVE LATERAL GLACIER NEAR TUXEDNI BAY

### WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1998 to 2001, and June 2004 to September 2004(discontinued)

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: June to September 2004.  
 SPECIFIC CONDUCTANCE: June to September 2004.  
 pH: June to September 2004.  
 DISSOLVED OXYGEN: June to September 2004.  
 TURBIDITY: June to September 2004.

INSTRUMENTATION.--Water-quality monitor set for 15 minute recording interval.

REMARKS.-- Record from June 3 to September 22. Interruptions in record were due to malfunction of the monitoring instruments. Water temperature: Records represent water temperature at the sensor within 0.5°C. Temperature at the sensor was compared with the average for the stream by cross section on June 3, and 24, July 20, August 17, and September 8, and 15. No variation more than 0.5°C was found within the cross section. No variation was found between mean stream temperature and sensor temperature.

Specific Conductance: Records represent specific conductance at the sensor within 5%. Specific conductance at the sensor was compared with the average for the stream by cross section on June 3, and 24, July 20, August 17, and September 8, and 15. Variation more than 5% was found within the cross section on June 3 and 24. Variation was less than 5% between mean stream and sensor specific conductance.

pH: Records represent pH at the sensor within 0.2 pH units. pH at the sensor was compared with the average for the stream by cross section on June 24, July 20, August 17, and September 8, and 15. No variation more than 0.2 pH units was found within the cross section. No variation more than 0.2 pH units was found between mean stream and sensor pH.

Dissolved Oxygen: Records represent dissolved oxygen at the sensor within 0.3 mg/l. Dissolved Oxygen concentrations at the sensor was compared with the average for the stream by cross section on June 24, July 20, August 17, and September 8, and 15. Variation more than 0.3 mg/l units was found within the cross section on August 17. No variation more than 0.3 mg/l was found between mean stream and sensor dissolved oxygen concentrations.

Turbidity: Records represent turbidity at the sensor within 10%. No values over 328 FNU were logged due to equipment malfunction. Values were greater than 328 FNU on June 7, 17-20, July 9-10, 18-19, and 26-28. Turbidity at the sensor was compared with the average for the stream by cross section on June 3, and 24, July 20, August 17, and September 8, and 15. Variation more than 10% was found within the cross section on June 24, July 20, and August 17. No variation more than 10% was found between mean stream and sensor turbidity.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum recorded, 7.0°C, August 1 and September 6, 11, 16, and 21; Minimum recorded, 1.0°C, several days in June and September.

SPECIFIC CONDUCTANCE: Maximum recorded, 82 microsiemens per centimeter, September 19-20; minimum recorded, 28 microsiemens per centimeter, July 8, and August 18-19.

pH: Maximum recorded, 9.1 units, July 27; minimum recorded, 7.2 units, several days in June.

DISSOLVED OXYGEN: Maximum recorded, 14.2 mg/L, June 6-8; minimum recorded, 12.1 mg/L, August 21, September 11, and 16-17.

TURBIDITY: Maximum recorded, undetermined; minimum recorded, 1.74 FNU, September 22.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Minimum observed, 0.0°C, May 17, 1999.

SPECIFIC CONDUCTANCE: Maximum observed, 105 microsiemens per centimeter, May 9, 2000.

pH: Minimum observed, 6.9 units, September 27, 2001.

DISSOLVED OXYGEN: Maximum observed, 15.3 mg/L, June 15, 2000; minimum observed, 11.5 mg/L, September 3, 2001.

#### WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Medium code	Stream width, feet (00004)	Sample location, cross section, ft from rt bank (72103)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Specific conductance, uS/cm, 25 degC (00095)	pH, water, unfltrd field, units (00400)	Temperature, water, std deg C (00010)	Temperature, air, deg C (00020)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)
JUN													
03...	1250	9	99.5	9.5	11.57	407	10	65	--	2.5	8.2	755	--
03...	1251	9	99.5	29.5	11.57	407	10	63	--	2.6	8.2	755	--
03...	1252	9	99.5	49.5	11.57	407	10	62	--	2.6	8.2	755	--
03...	1253	9	99.5	69.5	11.57	407	10	61	--	2.6	8.2	755	--
03...	1254	9	99.5	89.5	11.57	407	10	60	--	2.7	8.2	755	--
24...	1501	9	144	5.0	11.86	789	10	48	7.6	3.2	9.9	755	13.4
24...	1503	9	144	39.0	11.86	789	10	45	7.7	2.8	9.9	755	13.4
24...	1504	9	144	73.0	11.86	789	10	44	7.7	2.9	9.9	755	13.5
24...	1505	9	144	107.0	11.86	789	10	44	7.7	3.0	9.9	755	13.4
24...	1506	9	144	141.0	11.86	789	10	44	7.7	3.1	9.9	755	13.3
JUL													
20...	1330	9	100	5.0	11.84	778	10	38	7.5	3.6	16.2	749	13.1
20...	1335	9	100	25.0	11.84	778	10	37	7.5	3.6	16.2	749	13.3
20...	1337	9	100	45.0	11.84	778	10	37	7.5	3.6	16.2	749	13.3
20...	1338	9	100	65.0	11.84	778	10	37	7.5	3.6	16.2	749	13.3
20...	1339	9	100	85.0	11.84	778	10	37	7.5	3.7	16.2	749	13.3
20...	1340	9	100	96.0	11.84	778	10	38	7.6	3.8	16.2	749	13.2
AUG													
17...	1116	9	102	8.0	11.80	665	10	32	7.2	3.9	24.0	751	12.8
17...	1117	9	102	28.0	11.80	665	10	32	7.1	3.8	24.0	751	13.0
17...	1118	9	102	48.0	11.80	665	10	32	7.2	3.8	24.0	751	13.1
17...	1119	9	102	68.0	11.80	665	10	32	7.2	3.8	24.0	751	13.2
17...	1120	9	102	96.0	11.80	665	10	32	7.2	3.8	24.0	751	13.1

# SOUTH-CENTRAL ALASKA

## 15294700 JOHNSON RIVER ABOVE LATERAL GLACIER NEAR TUXEDNI BAY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Medium code	Stream width, feet (00004)	Sample location, cross section ft from rt bank (72103)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Specif. conductance, wat unf uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)
SEP													
08...	1152	9	93.0	76.0	11.06	169	10	57	7.4	4.0	10.1	754	13.0
08...	1154	9	93.0	56.0	11.06	169	10	57	7.4	4.0	10.1	754	13.0
08...	1156	9	93.0	36.0	11.06	169	10	57	7.3	4.0	10.1	754	13.0
08...	1158	9	93.0	16.0	11.06	169	10	57	7.3	4.0	10.1	754	12.9
08...	1200	9	93.0	6.0	11.06	169	10	57	7.3	4.1	10.1	754	12.9
23...	1200	9	90.0	80.0	10.87	119	10	71	7.3	3.5	8.6	731	13.1
23...	1201	9	90.0	60.0	10.87	119	10	71	7.3	3.6	8.6	731	13.1
23...	1202	9	90.0	40.0	10.87	119	10	71	7.3	3.6	8.6	731	13.1
23...	1203	9	90.0	20.0	10.87	119	10	71	7.3	3.6	8.6	731	13.1
23...	1204	9	90.0	10.0	10.87	119	10	72	7.3	3.7	8.6	731	13.1
Date			Dis-solved oxygen, percent of saturation (00301)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)									
JUN													
03...		--	13.7										
03...		--	13.6										
03...		--	11.8										
03...		--	10.5										
03...		--	12.0										
24...		101	47.8										
24...		100	75.5										
24...		101	63.1										
24...		100	55.0										
24...		100	49.0										
JUL													
20...		101	78.2										
20...		102	77.9										
20...		102	89.0										
20...		102	78.6										
20...		102	157										
20...		102	159										
AUG													
17...		99	33.4										
17...		100	33.1										
17...		101	42.2										
17...		102	41.1										
17...		101	38.5										
SEP													
08...		100	10.1										
08...		100	12.6										
08...		100	12.0										
08...		100	11.5										
08...		100	10.5										
23...		103	5.00										
23...		103	5.80										
23...		103	5.40										
23...		103	5.90										
23...		104	5.90										

# SOUTH-CENTRAL ALASKA

## 15294700 JOHNSON RIVER ABOVE LATERAL GLACIER NEAR TUXEDNI BAY—Continued

Temperature, water, degrees Celsius  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	2.5	2.0	2.5	7.0	2.5	4.0	5.5	2.5	3.5
2	---	---	---	3.5	2.0	2.5	6.0	2.5	4.0	4.0	2.0	3.0
3	3.5	---	---	4.0	2.0	3.0	5.5	2.5	3.5	5.5	2.0	3.0
4	4.0	1.0	2.0	6.0	2.0	3.5	5.5	2.5	3.5	6.0	1.0	3.0
5	3.0	1.0	1.5	6.5	2.0	3.5	6.5	2.5	4.0	5.5	1.5	3.0
6	3.5	1.0	2.0	6.0	2.0	3.5	6.5	2.0	4.0	7.0	1.5	3.5
7	3.0	1.0	1.5	6.0	2.0	3.5	6.0	2.0	3.5	6.5	1.5	3.0
8	3.5	1.0	2.0	5.5	2.0	3.5	6.0	2.0	3.5	6.5	1.5	3.0
9	3.0	1.0	1.5	6.0	2.0	3.5	3.5	2.0	3.0	5.5	1.5	3.0
10	2.0	1.0	1.5	6.0	2.0	3.5	6.0	2.5	4.0	4.0	2.5	3.0
11	2.5	1.5	2.0	6.0	2.0	3.5	6.0	2.0	3.5	7.0	1.5	3.5
12	3.5	1.0	2.5	6.0	2.0	3.5	6.5	2.5	3.5	6.0	1.5	3.0
13	4.5	1.5	2.5	6.0	2.0	3.5	6.0	2.0	3.5	6.0	1.5	3.0
14	2.5	1.5	2.0	6.0	2.0	3.5	6.5	2.0	4.0	6.5	1.0	3.0
15	3.0	1.5	2.0	5.0	2.5	3.5	5.5	2.0	3.5	6.5	1.0	3.0
16	1.5	1.0	1.0	4.0	2.5	3.0	5.5	2.5	3.5	7.0	1.0	3.0
17	1.5	1.0	1.0	3.5	2.5	3.0	5.5	2.5	3.5	6.5	1.0	2.5
18	1.5	1.0	1.0	3.0	2.5	2.5	5.5	2.5	3.5	5.0	1.0	2.5
19	4.0	1.0	2.5	4.5	2.0	3.0	4.5	2.5	3.0	3.0	2.5	2.5
20	4.5	1.0	2.5	3.5	2.0	2.5	4.0	2.5	3.0	6.0	3.0	3.5
21	5.0	1.0	3.0	4.5	2.0	3.0	6.0	2.0	3.5	7.0	2.0	4.0
22	5.5	1.5	3.0	3.5	2.5	3.0	4.5	2.0	3.0	5.0	2.5	3.5
23	6.0	1.5	3.0	4.5	2.0	3.0	3.0	2.5	2.5	---	---	---
24	3.0	1.5	2.5	5.0	1.5	3.0	5.0	2.0	3.0	---	---	---
25	6.5	1.5	3.5	3.5	2.5	3.0	5.5	2.0	3.0	---	---	---
26	6.0	2.0	3.5	4.0	2.5	3.5	4.5	2.0	3.0	---	---	---
27	5.5	2.0	3.0	3.5	2.5	3.0	3.5	2.0	2.5	---	---	---
28	4.5	1.5	3.0	4.0	2.5	3.0	5.0	2.0	3.0	---	---	---
29	4.5	1.5	3.0	5.5	2.5	3.5	6.0	2.0	3.5	---	---	---
30	6.0	1.5	3.5	6.5	2.5	4.0	5.5	1.5	3.0	---	---	---
31	---	---	---	6.5	2.5	4.0	5.0	2.0	3.0	---	---	---
MONTH	---	---	---	6.5	1.5	3.2	7.0	1.5	3.4	---	---	---

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	41	38	40	44	36	40	46	39	43
2	---	---	---	42	41	42	38	34	36	39	36	37
3	---	---	---	43	41	42	39	36	37	42	36	39
4	66	62	65	41	36	39	39	37	38	50	42	46
5	62	59	61	39	34	37	41	37	39	55	47	51
6	60	54	58	37	33	35	41	35	38	55	44	50
7	58	53	55	35	31	33	40	34	37	56	46	51
8	60	57	59	33	31	32	39	34	37	58	46	52
9	62	59	60	40	31	35	42	36	38	58	50	54
10	62	59	61	41	33	36	39	32	36	53	48	50
11	60	59	59	36	31	33	36	32	34	54	45	50
12	61	59	60	34	30	32	38	33	36	55	42	49
13	61	57	59	35	32	34	41	35	38	55	45	52
14	58	57	57	38	34	36	42	35	39	61	54	58
15	57	56	57	37	35	36	39	33	36	66	60	63
16	56	39	47	39	36	38	36	30	33	69	62	66
17	43	37	40	38	31	36	34	28	31	72	65	69
18	49	41	45	35	29	32	33	28	31	76	68	74
19	49	45	48	37	33	35	33	30	32	82	73	78
20	49	44	46	40	35	37	34	30	32	82	74	78
21	48	44	46	42	39	41	37	30	34	79	73	75
22	48	45	46	41	36	39	38	33	35	75	58	69
23	49	45	47	38	36	37	36	34	35	---	---	---
24	49	46	47	41	38	39	39	33	35	---	---	---
25	47	41	45	42	38	40	38	31	34	---	---	---
26	41	36	39	38	30	33	36	33	33	---	---	---
27	39	36	37	36	28	31	41	35	39	---	---	---
28	40	36	39	37	29	33	44	39	41	---	---	---
29	42	40	41	42	37	40	44	35	40	---	---	---
30	41	38	40	43	41	42	44	35	40	---	---	---
31	---	---	---	45	42	43	45	40	42	---	---	---
MONTH	---	---	---	45	28	37	45	28	36	---	---	---

# SOUTH-CENTRAL ALASKA

## 15294700 JOHNSON RIVER ABOVE LATERAL GLACIER NEAR TUXEDNI BAY—Continued

pH, water, unfiltered, field, standard units  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	7.5	7.4	7.5	7.6	7.5	7.6	7.5	7.4	7.4
2	---	---	---	7.5	7.4	7.5	7.6	7.5	7.6	7.5	7.4	7.4
3	---	---	---	7.5	7.4	7.5	7.6	7.5	7.6	7.5	7.4	7.5
4	7.3	7.2	7.2	7.5	7.4	7.5	7.6	7.5	7.5	7.5	7.4	7.5
5	7.2	7.2	7.2	7.6	7.4	7.5	7.6	7.5	7.5	7.5	7.4	7.4
6	7.3	7.2	7.2	7.7	7.4	7.5	7.6	7.5	7.5	7.5	7.4	7.4
7	7.5	7.2	7.3	7.5	7.4	7.5	7.7	7.4	7.5	7.5	7.4	7.4
8	7.6	7.4	7.5	7.7	7.4	7.5	7.7	7.5	7.5	7.5	7.4	7.4
9	7.4	7.4	7.4	8.9	7.4	7.8	7.6	7.4	7.5	7.6	7.4	7.5
10	7.5	7.4	7.4	9.0	7.6	8.2	7.6	7.4	7.5	7.5	7.4	7.4
11	7.4	7.3	7.4	7.7	7.5	7.6	7.6	7.4	7.5	7.6	7.4	7.5
12	7.4	7.3	7.4	7.7	7.5	7.6	7.6	7.5	7.5	7.6	7.4	7.5
13	7.4	7.3	7.4	7.6	7.5	7.6	7.6	7.4	7.5	7.6	7.4	7.5
14	7.4	7.3	7.4	7.7	7.5	7.6	7.6	7.4	7.5	7.6	7.4	7.5
15	7.4	7.4	7.4	7.6	7.5	7.6	7.5	7.4	7.5	7.6	7.4	7.5
16	7.4	7.2	7.3	7.6	7.5	7.6	7.6	7.4	7.5	7.6	7.4	7.5
17	7.5	7.3	7.3	7.6	7.5	7.5	7.6	7.4	7.5	7.6	7.4	7.5
18	8.3	7.5	7.7	8.7	7.5	8.0	7.5	7.4	7.4	7.6	7.4	7.5
19	8.4	7.6	7.8	8.9	8.1	8.5	7.4	7.3	7.4	7.5	7.4	7.4
20	8.4	7.4	7.6	8.1	7.5	7.8	7.5	7.3	7.4	7.5	7.4	7.4
21	7.4	7.3	7.4	7.8	7.7	7.8	7.5	7.4	7.4	7.5	7.4	7.5
22	7.4	7.3	7.4	7.8	7.6	7.7	7.5	7.4	7.5	7.5	7.4	7.4
23	7.4	7.3	7.4	7.8	7.6	7.7	7.5	7.4	7.4	---	---	---
24	7.5	7.4	7.4	7.8	7.6	7.7	7.5	7.4	7.5	---	---	---
25	7.5	7.4	7.4	7.7	7.6	7.7	7.5	7.4	7.5	---	---	---
26	7.4	7.3	7.4	8.9	7.6	7.9	7.5	7.4	7.4	---	---	---
27	7.6	7.4	7.5	9.1	7.8	8.5	7.5	7.4	7.5	---	---	---
28	7.6	7.4	7.5	8.0	7.7	7.7	7.5	7.4	7.4	---	---	---
29	7.6	7.5	7.5	7.7	7.6	7.7	7.5	7.4	7.4	---	---	---
30	7.6	7.4	7.5	7.7	7.6	7.6	7.5	7.4	7.4	---	---	---
31	---	---	---	7.6	7.6	7.6	7.5	7.4	7.4	---	---	---
MONTH	---	---	---	9.1	7.4	7.7	7.7	7.3	7.5	---	---	---

Dissolved oxygen, water, unfiltered, milligrams per liter

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	13.2	13.1	13.1	13.2	12.3	12.9	13.1	12.6	12.9
2	---	---	---	13.2	12.9	13.1	13.3	12.5	13.0	13.0	12.7	12.8
3	---	---	13.7	13.2	12.8	13.1	13.3	12.6	13.0	13.2	12.3	12.8
4	14.0	13.2	13.7	13.2	12.3	12.9	13.2	12.7	13.0	13.5	12.3	13.1
5	14.0	13.6	13.8	13.2	12.3	12.9	13.2	12.3	13.0	13.4	12.5	13.1
6	14.2	13.5	13.9	13.3	12.5	13.0	13.4	12.5	13.0	13.4	12.3	13.1
7	14.2	13.6	14.0	13.3	12.5	13.0	13.6	12.7	13.2	13.7	12.3	13.1
8	14.2	13.6	13.9	13.3	12.6	13.0	13.6	12.7	13.2	13.6	12.2	13.0
9	14.1	13.6	13.8	13.3	12.4	12.9	13.6	13.2	13.3	13.2	12.2	12.8
10	13.9	13.7	13.8	13.4	12.5	12.9	13.4	12.5	13.1	12.9	12.7	12.8
11	13.8	13.4	13.6	13.2	12.4	12.9	13.4	12.7	13.2	13.1	12.1	12.8
12	13.8	13.1	13.5	13.2	12.5	12.9	13.5	12.7	13.2	13.2	12.3	12.9
13	13.8	13.0	13.5	13.3	12.4	12.9	13.5	12.7	13.2	13.3	12.2	13.0
14	13.8	13.5	13.7	13.2	12.4	12.9	13.5	12.6	13.2	13.3	12.2	12.9
15	13.9	13.5	13.7	13.1	12.6	12.9	13.5	12.7	13.2	13.4	12.1	12.9
16	14.2	13.7	14.0	13.2	12.8	13.0	13.4	12.8	13.2	13.4	12.1	13.0
17	14.2	13.9	14.1	13.1	12.9	13.0	13.4	12.4	13.0	13.5	12.1	13.0
18	14.2	14.0	14.1	13.2	12.9	13.1	13.0	12.2	12.7	13.4	12.3	12.9
19	14.1	13.2	13.7	13.2	12.6	13.0	12.8	12.3	12.6	12.9	12.5	12.7
20	13.9	13.0	13.5	13.2	12.8	13.0	12.9	12.5	12.8	12.6	11.9	12.4
21	13.8	12.8	13.4	13.2	12.7	13.0	12.9	12.1	12.7	12.9	11.8	12.4
22	13.8	12.5	13.2	13.1	12.9	13.0	12.9	12.4	12.7	12.8	12.4	12.6
23	13.6	12.5	13.2	13.3	12.8	13.1	12.8	12.6	12.7	---	---	13.0
24	13.5	13.1	13.3	13.4	12.6	13.0	12.9	12.3	12.6	---	---	---
25	13.4	12.3	12.9	13.2	13.0	13.1	13.0	12.2	12.7	---	---	---
26	13.3	12.4	12.9	13.2	12.8	13.0	13.0	12.4	12.8	---	---	---
27	13.4	12.6	13.1	13.3	12.9	13.1	13.0	12.6	12.9	---	---	---
28	13.4	12.7	13.1	13.0	12.7	12.9	12.9	12.3	12.8	---	---	---
29	13.4	12.6	13.1	13.1	12.5	12.9	13.1	12.3	12.8	---	---	---
30	13.3	12.4	12.9	13.2	12.3	12.9	13.2	12.4	12.9	---	---	---
31	---	---	---	13.2	12.2	12.9	13.3	12.7	13.0	---	---	---
MONTH	---	---	---	13.4	12.2	13.0	13.6	12.1	13.0	---	---	---

# SOUTH-CENTRAL ALASKA

## 15294700 JOHNSON RIVER ABOVE LATERAL GLACIER NEAR TUXEDNI BAY—Continued

Turbidity, water, monochrome near infra-red LED light, 780-900 nm, detection angle 90 +/- 2.5 degrees,  
Formalin Nephelometric Units (FNU) WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	41.7	33.4	37.5	62.6	23.7	39.2	22.1	7.91	13.1
2	---	---	---	58.6	31.0	36.8	68.3	34.6	46.2	44.6	11.8	29.7
3	---	---	---	73.7	30.8	37.0	46.1	28.7	35.5	44.3	14.3	23.5
4	28.6	10.6	15.9	73.7	35.9	43.9	33.8	24.2	28.0	23.9	9.82	15.4
5	45.9	19.3	25.6	78.9	36.1	54.0	42.0	21.5	25.2	18.6	8.38	11.7
6	293	19.2	48.1	79.2	44.9	56.6	51.3	20.4	30.3	20.4	7.06	12.1
7	---	35.4	61.9	79.1	41.0	57.3	95.5	23.3	32.1	22.4	7.37	11.0
8	228	53.8	96.0	107	53.0	66.0	95.5	19.4	26.7	14.9	5.31	10.0
9	93.5	42.5	60.6	---	57.0	---	36.4	18.2	21.3	10.5	7.41	8.78
10	81.9	38.7	56.4	---	65.8	---	51.1	18.2	29.6	19.6	8.12	12.1
11	47.0	20.8	31.1	83.0	52.8	65.9	49.2	23.6	31.7	18.1	8.24	11.2
12	106	20.1	34.1	86.9	53.2	65.9	32.6	20.9	26.0	21.1	7.45	12.1
13	73.8	23.6	35.5	72.4	41.4	50.4	26.1	17.2	20.9	19.9	7.57	10.4
14	32.3	19.1	22.7	54.0	32.5	42.1	31.8	13.7	20.0	8.39	6.46	7.24
15	23.1	16.6	19.3	54.9	28.4	35.3	36.1	17.5	26.1	7.59	5.26	6.20
16	163	20.3	87.6	38.4	25.4	30.7	56.7	22.8	35.8	7.30	4.46	5.43
17	---	74.5	---	124	26.4	50.3	94.9	24.4	43.5	6.09	3.65	4.46
18	---	194	---	---	124	---	63.5	22.6	35.4	4.87	2.44	3.16
19	---	174	---	---	143	---	49.2	20.6	28.4	7.74	2.14	3.99
20	---	105	---	199	54.5	91.7	75.4	17.8	31.8	3.37	2.24	2.53
21	106	56.1	78.3	56.6	36.6	45.7	42.2	16.5	26.0	3.37	1.84	2.48
22	71.0	48.8	54.8	94.2	33.9	47.0	35.0	14.6	21.6	70.1	1.74	13.0
23	50.4	39.9	44.0	71.3	48.7	57.2	35.9	13.9	22.8	---	---	---
24	65.2	37.3	46.2	77.6	30.4	39.8	38.4	14.9	23.7	---	---	---
25	91.9	33.5	48.7	48.9	28.0	33.3	66.6	13.7	23.1	---	---	---
26	95.3	44.1	64.4	---	38.1	---	33.2	16.3	23.3	---	---	---
27	142	57.6	77.3	---	288	---	29.6	11.8	19.4	---	---	---
28	102	54.2	64.7	---	107	195	26.3	10.7	16.7	---	---	---
29	80.6	46.3	56.8	114	50.9	74.2	29.6	6.95	15.3	---	---	---
30	62.3	39.8	50.0	55.4	34.0	43.4	33.7	10.8	16.6	---	---	---
31	---	---	---	43.1	26.6	32.2	19.4	8.21	13.5	---	---	---
MONTH	---	---	---	---	25.4	---	95.5	6.95	27.0	---	---	---