



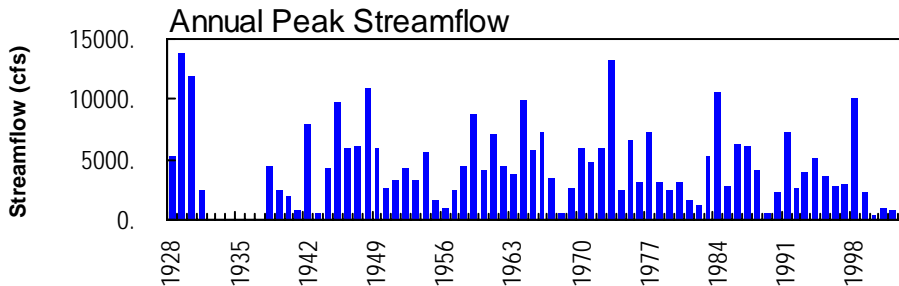
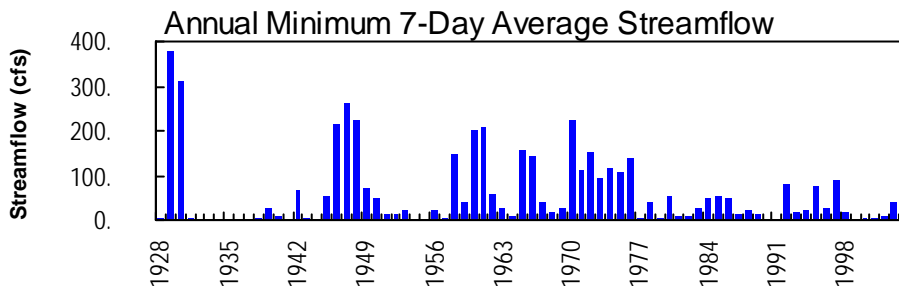
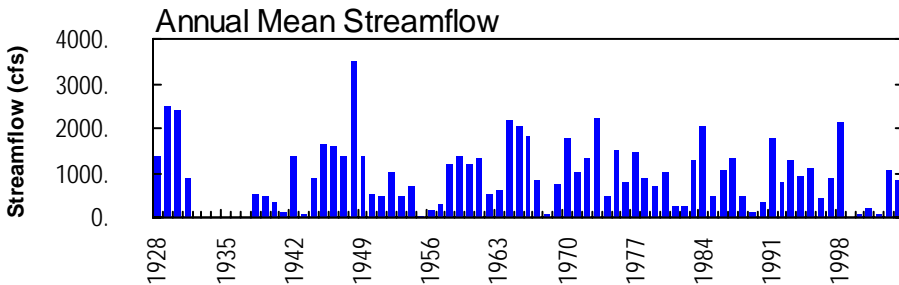
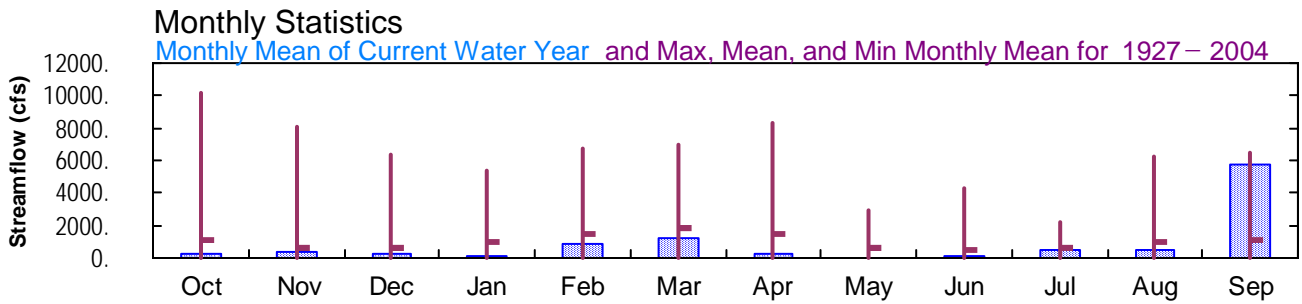
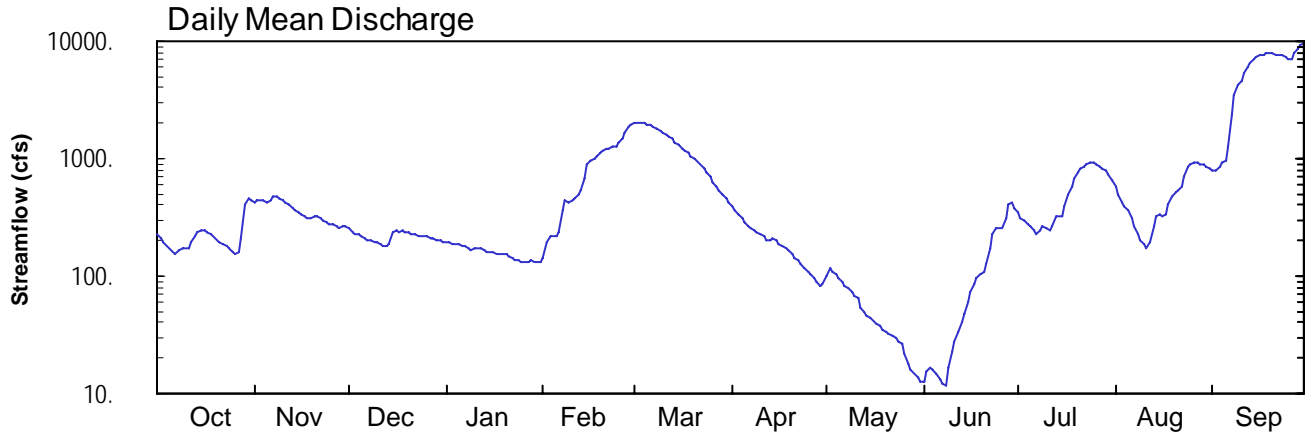
2004 Water Year SUWANNEE RIVER BASIN

02314500 SUWANNEE RIVER AT US 441, AT FARGO, GA

Latitude: 30° 40' 50"
Clinch County

Longitude: 082° 33' 38"
Datum: 91.90 feet

Hydrologic Unit Code: 03110201
Drainage Area: 1260. mi²



USGS science for a changing world 02314500 - Suwannee River at Fargo, GA

**SUWANNEE RIVER BASIN
2004 Water Year**

02314500 SUWANNEE RIVER AT FARGO, GA

LOCATION.—Lat 30°40'50", long 82°33'38" referenced to North American Datum (NAD) of 1983, Clinch County, Hydrologic Unit, 03110201, on downstream side of right bank pier of bridge on US 441 at Fargo, 4.0 miles upstream from Suwannee Creek, and 12.0 miles downstream from Mixons Ferry dam site.

DRAINAGE AREA.—1,260 square miles, approximately, includes part of watershed in Okefenokee Swamp, which is indeterminate.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—January 1921 to September 1923 (gage-heights only), January 1927 to December 1931, April 1937 to current year. Monthly discharge only for April 1937, published in WSP 1304.

REVISED RECORDS.—WSP 1234: Drainage area. WSP 1504: 1928-30.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 91.90 feet above National Geodetic Vertical Datum (NGVD) of 1929. From January 27, 1921 to September 30, 1923, a non-recording gage was located at site 1,200 feet upstream at datum 3.00 feet higher. From January 27, 1927 to December 31, 1931 and from April 20, 1937 to June 10, 1938, a non-recording gage was located at site 1,000 feet upstream at datum 1.00 feet higher. From June 11, 1938 to November 26, 1952, a non-recording gage was located at site 1,000 feet upstream at present datum. From October 14, 1960 to October 29, 1970, an auxiliary water-stage recorder was located at a site about 3.0 miles upstream, and since November 5, 1971, an auxiliary water-stage recorder was located at a site about 2.0 miles upstream.

REMARKS.—Records good, except for periods of estimated discharge, which are fair. Low flow at times affected by manipulation of water level at Mixons Ferry Dam. Maximum recorded discharge for 2004 water year occurred on September 30, 2004 as part of a storm event that peaked on October 3, 2004 and is not considered the peak discharge of the 2004 water year.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 2,500 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
09/18	1815	7,840*	16.97*

No other peaks above base discharge

**SUWANNEE RIVER BASIN
2004 Water Year**

02314500 SUWANNEE RIVER AT FARGO, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—January 1921 to September 1923 (gage-heights only), January 1927 to December 1931, April 1937 to current year. Monthly discharge only for April 1937, published in WSP 1304.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 91.90 feet above National Geodetic Vertical Datum (NGVD) of 1929. From January 27, 1921 to September 30, 1923, a non-recording gage was located at site 1,200 feet upstream at datum 3.00 feet higher. From January 27, 1927 to December 31, 1931 and from April 20, 1937 to June 10, 1938, a non-recording gage was located at site 1,000 feet upstream at datum 1.00 feet higher. From June 11, 1938 to November 26, 1952, a non-recording gage was located at site 1,000 feet upstream at present datum. From October 14, 1960 to October 29, 1970, an auxiliary water-stage recorder was located at a site about 3.0 miles upstream, and since November 5, 1971, an auxiliary water-stage recorder was located at a site about 2.0 miles upstream.

REMARKS.—Records good. Maximum recorded stage for 2004 water year occurred on September 30, 2004 as part of a storm event that peaked on October 3, 2004 and is not considered the peak stage of the 2004 water year.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 16.97 feet, September 18; minimum gage-height recorded, 0.90 feet, June 8.

PRECIPITATION RECORDS

PERIOD OF RECORD.—June 21, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02314500 SUWANNEE RIVER AT US 441, AT FARGO, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 065
 LATITUDE 304050 LONGITUDE 0823338 NAD83 DRAINAGE AREA 1260 CONTRIBUTING DRAINAGE AREA 1260* DATUM 91.90 NGVD29

Discharge, cubic feet per second
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	224	432	250	194	143	2020	392	101	13	347	571	794
2	209	434	239	190	191	2040	362	116	15	315	488	790
3	195	436	230	187	215	2030	334	109	16	295	426	864
4	182	433	224	185	217	2010	310	103	16	277	396	923
5	172	429	220	185	219	1970	287	96	15	266	362	976
6	162	446	213	182	233	1920	268	89	13	250	309	1260
7	156	482	206	178	369	1860	251	83	12	231	263	2340
8	166	481	200	172	437	1800	242	78	12	245	230	3490
9	172	466	194	169	432	1740	235	73	17	264	202	4170
10	170	444	191	171	436	1680	227	69	22	252	184	4620
11	172	419	189	173	460	1610	214	64	27	242	176	5330
12	192	401	182	170	499	1540	203	54	33	262	194	6040
13	216	382	178	166	543	1470	203	50	41	321	269	6580
14	237	363	189	162	677	1390	206	47	48	325	329	7020
15	245	345	233	160	880	1290	198	44	60	323	335	7350
16	241	331	241	157	961	1230	189	40	73	388	327	7580
17	234	318	236	154	1010	1160	180	38	87	487	339	7750
18	226	309	242	153	1060	1110	173	37	96	571	410	7810
19	216	315	237	155	1120	1050	164	35	104	669	469	7800
20	204	e320	233	152	1170	1000	154	34	109	747	515	7760
21	197	e317	229	147	1210	950	144	32	128	813	540	7720
22	187	e307	225	143	1240	890	136	31	175	869	583	7630
23	182	e293	222	139	1250	826	127	29	228	905	699	7500
24	171	e282	221	136	1290	762	118	27	259	923	842	7330
25	162	e276	221	133	1340	695	110	27	258	925	892	7130
26	155	273	216	131	1490	634	103	22	252	881	922	7010
27	161	266	211	133	1670	581	96	18	311	857	921	7970
28	207	259	206	135	1850	534	90	16	415	829	906	8720
29	401	264	202	131	1970	490	84	15	e430	794	880	9210
30	451	263	200	129	---	455	85	13	e380	735	852	9480
31	437	---	197	129	---	422	---	12	---	654	827	---
TOTAL	6702	10786	6677	4901	24582	39159	5885	1602	3665	16262	15658	170947
MEAN	216	360	215	158	848	1263	196	51.7	122	525	505	5698
MAX	451	482	250	194	1970	2040	392	116	430	925	922	9480
MIN	155	259	178	129	143	422	84	12	12	231	176	790
CFSM	0.17	0.29	0.17	0.13	0.67	1.00	0.16	0.04	0.10	0.42	0.40	4.52
IN.	0.20	0.32	0.20	0.14	0.73	1.16	0.17	0.05	0.11	0.48	0.46	5.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 2004, BY WATER YEAR (WY)

	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
MEAN	1056	572	650	1037	1467	1853	1513	626	473	621	1038	1052																	
MAX	10150	8066	6426	5345	6771	6933	8330	2952	4258	2180	6278	6471																	
(WY)	1929	1948	1977	1942	1998	1998	1973	1928	1973	1946	1945	1964																	
MIN	0.12	0.13	0.24	3.04	4.28	6.10	12.7	7.13	4.33	1.82	0.20	0.43																	
(WY)	1955	1932	1955	1955	1957	1955	1955	1955	1955	1954	1954	1954																	

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	FOR 2003 WATER YEAR	FOR 2004 WATER YEAR	FOR 2003 WATER YEAR	FOR 2004 WATER YEAR
ANNUAL TOTAL	400434	306826	306826	306826	306826	306826
ANNUAL MEAN	1097	838	838	838	838	838
HIGHEST ANNUAL MEAN					3512	1948
LOWEST ANNUAL MEAN					59.8	1955
HIGHEST DAILY MEAN	5710	Mar 19	9480	Sep 30	13800	Oct 1 1928
LOWEST DAILY MEAN	155	Oct 26	12	May 31	0.00	Dec 5 1931
ANNUAL SEVEN-DAY MINIMUM	167	Oct 5	14	Jun 2	0.00	Oct 28 1943
MAXIMUM PEAK FLOW			9580	Sep 30	13800	Oct 1 1928
MAXIMUM PEAK STAGE			18.57	Sep 30	21.01	Apr 9 1973
INSTANTANEOUS LOW FLOW			10	Jun 8	0.00	Dec 5 1931
ANNUAL RUNOFF (CFSM)	0.871		0.665		0.796	
ANNUAL RUNOFF (INCHES)	11.82		9.06		10.82	
10 PERCENT EXCEEDS	2230		1670		2620	
50 PERCENT EXCEEDS	577		252		423	
90 PERCENT EXCEEDS	216		68		32	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02314500 SUWANNEE RIVER AT US 441, AT FARGO, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 065
 LATITUDE 304050 LONGITUDE 0823338 NAD83 DRAINAGE AREA 1260 CONTRIBUTING DRAINAGE AREA 1260* DATUM 91.90 NGVD29

Gage height, feet
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.29	4.72	3.49	3.04	2.58	10.52	4.47	2.23	0.96	4.19	5.53	6.66
2	3.16	4.74	3.40	3.01	3.01	10.58	4.28	2.38	1.03	3.98	5.06	6.64
3	3.05	4.75	3.33	2.98	3.21	10.58	4.10	2.31	1.06	3.85	4.69	6.98
4	2.93	4.73	3.28	2.96	3.23	10.55	3.94	2.25	1.04	3.72	4.50	7.25
5	2.84	4.71	3.25	2.96	3.24	10.50	3.78	2.17	1.02	3.64	4.28	7.48
6	2.76	4.81	3.19	2.94	3.35	10.44	3.64	2.09	0.98	3.53	3.92	8.53
7	2.70	5.03	3.13	2.89	4.32	10.34	3.52	2.03	0.94	3.38	3.59	10.85
8	2.79	5.02	3.09	2.85	4.75	10.22	3.45	1.97	0.94	3.49	3.33	12.33
9	2.85	4.93	3.04	2.82	4.72	10.09	3.40	1.91	1.06	3.62	3.11	13.09
10	2.83	4.80	3.01	2.84	4.75	9.95	3.34	1.85	1.19	3.53	2.95	13.59
11	2.84	4.65	2.99	2.86	4.89	9.79	3.24	1.79	1.27	3.45	2.88	14.37
12	3.02	4.53	2.93	2.82	5.12	9.59	3.15	1.67	1.37	3.61	3.04	15.15
13	3.22	4.41	2.90	2.79	5.37	9.34	3.15	1.61	1.49	4.02	3.63	15.73
14	3.38	4.29	3.00	2.76	6.07	9.04	3.18	1.57	1.59	4.04	4.06	16.18
15	3.45	4.17	3.35	2.73	7.05	8.72	3.11	1.53	1.74	4.03	4.10	16.51
16	3.42	4.07	3.42	2.71	7.41	8.50	3.03	1.49	1.90	4.45	4.04	16.73
17	3.36	3.98	3.38	2.68	7.64	8.26	2.97	1.46	2.07	5.05	4.13	16.89
18	3.30	3.92	3.43	2.67	7.83	8.03	2.90	1.43	2.18	5.53	4.59	16.95
19	3.22	3.96	3.39	2.69	8.08	7.82	2.82	1.41	2.26	6.05	4.95	16.94
20	3.12	---	3.35	2.66	8.28	7.58	2.74	1.39	2.31	6.43	5.21	16.90
21	3.06	---	3.32	2.62	8.42	7.37	2.65	1.36	2.50	6.75	5.35	16.86
22	2.97	---	3.29	2.58	8.52	7.10	2.57	1.34	2.93	7.01	5.59	16.78
23	2.93	---	3.27	2.54	8.57	6.80	2.48	1.31	3.36	7.17	6.19	16.65
24	2.83	---	3.26	2.50	8.70	6.50	2.40	1.27	3.59	7.25	6.88	16.49
25	2.75	---	3.26	2.48	8.89	6.17	2.31	1.26	3.59	7.26	7.11	16.29
26	2.69	3.66	3.22	2.46	9.38	5.86	2.24	1.18	3.55	7.06	7.25	16.17
27	2.75	3.61	3.18	2.48	9.77	5.57	2.17	1.10	3.95	6.95	7.24	17.10
28	3.14	3.56	3.14	2.49	10.14	5.32	2.10	1.05	4.62	6.82	7.17	17.78
29	4.53	3.60	3.10	2.46	10.39	5.08	2.03	1.01	---	6.66	7.05	18.22
30	4.84	3.58	3.09	2.44	---	4.86	2.05	0.98	---	6.37	6.93	18.48
31	4.75	---	3.07	2.44	---	4.66	---	0.96	---	5.96	6.81	---
MEAN	3.19	---	3.21	2.71	6.47	8.25	3.04	1.59	---	5.12	5.01	14.22
MAX	4.84	---	3.49	3.04	10.39	10.58	4.47	2.38	---	7.26	7.25	18.48
MIN	2.69	---	2.90	2.44	2.58	4.66	2.03	0.96	---	3.38	2.88	6.64

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 LATITUDE 304050 LONGITUDE 0823338 NAD83 DRAINAGE AREA 1260 CONTRIBUTING DRAINAGE AREA 1260* DATUM 91.90 NGVD29

Precipitation, total, inches
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
 DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	---	0.00	0.75	0.00	0.00	0.07	0.09	0.01	0.00	0.00
2	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.01
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.35	0.00	0.00
4	0.00	0.02	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.16	0.00	0.00
5	0.00	0.02	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.30
6	0.05	0.00	0.00	0.00	0.93	0.01	0.00	0.00	0.01	0.00	0.00	0.12
7	0.03	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	1.15	0.00	0.00
8	0.01	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.02	0.23	0.00	0.00
9	0.00	0.00	0.00	0.06	0.00	0.01	0.00	0.00	0.01	0.01	0.00	0.00
10	0.00	0.00	0.10	0.00	0.13	0.01	0.00	0.00	0.00	0.00	0.01	0.94
11	0.93	0.00	0.00	0.00	0.26	0.00	0.00	2.16	0.02	2.23	0.00	0.02
12	0.25	0.00	0.00	0.00	0.13	0.00	0.01	0.01	0.01	0.48	0.00	0.23
13	0.20	0.00	0.00	0.00	0.55	0.00	0.30	0.00	0.04	0.01	0.00	0.80
14	0.01	0.00	0.75	0.00	0.91	0.00	0.00	0.00	0.01	0.00	0.00	0.01
15	0.00	0.00	0.00	0.00	0.06	0.09	0.00	0.13	1.33	2.17	0.03	0.01
16	0.00	0.01	0.00	0.00	0.00	0.40	0.00	0.00	0.02	0.19	0.00	0.00
17	0.00	0.00	0.02	0.00	0.03	0.00	0.00	0.00	0.00	0.02	0.03	0.59
18	0.00	---	0.00	0.02	0.00	0.00	0.00	0.01	0.00	0.17	0.00	0.00
19	0.00	---	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.03	0.00
21	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.03	0.00
22	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.01	0.00
23	0.00	---	0.00	0.00	0.39	0.00	0.00	0.00	0.42	0.00	0.01	0.00
24	0.00	---	0.10	0.00	0.56	0.00	0.00	0.00	0.17	0.01	0.01	0.00
25	0.00	---	0.00	0.00	0.74	0.00	0.00	0.00	0.01	0.00	0.00	0.00
26	0.15	---	0.00	0.05	0.24	0.00	0.01	0.00	0.50	0.02	0.00	6.41
27	0.25	---	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.04	1.02
28	1.05	---	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00
29	0.01	---	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.10	0.00
30	0.00	---	0.05	0.00	---	0.00	0.01	0.00	---	0.00	0.27	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.01	---	0.01	0.01	---
TOTAL	2.94	---	---	0.13	5.70	0.59	0.39	2.39	---	7.26	0.58	10.46