01312000 HUDSON RIVER NEAR NEWCOMB, NY

Upper Hudson Basin
Upper Hudson Subbasin

LOCATION.--Lat 43°57′58″, long 74°07′52″ referenced to North American Datum of 1927, Essex County, NY, Hydrologic Unit 02020001, on left bank 25 ft upstream from bridge on State Highway 28N, 0.5 mi downstream from outlet of Harris Lake, 2.0 mi east of Newcomb, and 4.0 mi upstream from Wolf Creek. Water-quality sampling site at discharge station.

DRAINAGE AREA.--192 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1925 to September 1987, October 1987 to September 2002 (annual maximum only), October 2002 to current year.

REVISED RECORDS.--WSP 696: 1928(M). WSP 711: 1930 (m).

GAGE.--Water-stage recorder. Datum of gage is 1,550.38 ft above NGVD of 1929. Prior to August 6, 1931, nonrecording gage at site 180 ft downstream at same datum. August 6, 1931, to November 4, 1960, water-stage recorder on left bank at site 55 ft downstream at same datum. November 4, 1960, to December 5, 1996, water-stage recorder on right bank 55 ft downstream at same datum.

REMARKS.--Records good. Flow slightly regulated by small reservoirs upstream from station. Satellite and telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,500 ft^3/s, Jan. 9, 1998, gage height, 12.84 ft; minimum discharge, 11 ft^3/s, Sept. 3, 1934; minimum gage height, 0.46 ft, Sept. 26, 27, 1964.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 17	2225	2,570	6.15
Jun 29	1530	*3,280	*6.93

Minimum discharge, 85 ft^3/s, Sep 13, gage height, 1.52 ft.

01312000 HUDSON RIVER NEAR NEWCOMB, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	359	572	2,280	426	461	e220	798	526	782	1,730	949	114
2	282	649	1,820	389	449	e210	1,460	503	1,040	1,280	1,440	101
3	230	622	1,320	355	447	206	1,510	513	1,040	1,080	1,110	95
4	195	529	1,010	321	591	202	1,390	517	1,220	824	782	101
5	170	483	785	312	853	191	1,340	529	1,220	609	573	109
6	151	476	629	296	1,210	181	1,110	524	1,040	468	434	110
7	139	611	517	269	1,140	175	909	474	817	375	349	113
8	438	724	427	257	925	169	817	413	666	313	295	112
9	1,170	677	389	248	704	167	743	361	569	268	252	107
10	998	1,290	374	238	583	178	663	338	519	234	219	105
11	691	1,710	347	225	483	214	614	331	494	207	199	97
12	514	1,390	330	251	426	270	600	361	476	215	181	89
13	412	1,080	291	308	384	333	747	664	441	564	161	88
14	381	859	263	351	352	736	1,040	1,030	399	788	145	101
15	934	752	247	548	330	1,390	1,070	1,160	384	621	137	124
16	1,820	1,160	255	654	314	1,340	1,170	1,130	337	486	129	144
17	2,350	1,910	258	529	325	1,040	1,060	1,160	299	394	120	142
18	2,380	1,910	254	640	389	773	847	1,450	275	320	110	129
19	2,010	1,430	246	1,490	407	606	730	1,720	261	267	105	118
20	1,780	1,100	237	1,810	383	492	747	1,730	304	227	121	111
21	1,330	860	225	1,530	349	413	736	1,620	309	200	130	105
22	987	714	218	1,300	320	368	687	1,400	278	210	122	101
23	878	624	214	1,150	297	328	927	1,200	256	338	116	100
24	991	519	210	963	278	303	1,790	1,010	234	343	111	104
25	1,010	457	212	789	261	287	1,920	849	209	297	105	114
26	1,130	415	294	650	252	282	1,570	711	227	288	98	118
27	1,060	374	423	518	e240	274	1,230	634	509	271	101	114
28	878	360	425	461	e230	286	975	575	1,610	334	126	107
29	714	399	388	428	---	318	759	499	3,060	808	141	123
30	598	1,290	421	403	---	e370	612	459	2,620	1,090	139	189
31	545	---	441	421	---	e520	---	566	---	918	127	---
Total	27,525	25,946	15,750	18,530	13,383	12,842	30,571	24,957	21,895	16,367	9,127	3,385
Mean	888	865	508	598	478	414	1,019	805	730	528	294	113
Max	2,380	1,910	2,280	1,810	1,210	1,390	1,920	1,730	3,060	1,730	1,440	189
Min	139	360	210	225	230	167	600	331	209	200	98	88
Cfsm	4.62	4.50	2.65	3.11	2.49	2.16	5.31	4.19	3.80	2.75	1.53	0.59
In.	5.33	5.03	3.05	3.59	2.59	2.49	5.92	4.84	4.24	3.17	1.77	0.66

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1926 - 2006, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	315	399	323	237	187	379	1,172	884	345	200	186	221
Max	1,169	978	866	818	906	1,342	1,898	2,055	1,165	643	517	805
(WY)	(1946)	(1928)	(1928)	(1949)	(1981)	(1936)	(1954)	(1947)	(1947)	(1972)	(1977)	(1938)
Min	31.8	112	91.3	47.5	46.5	51.5	513	214	69.6	40.6	25.5	25.1
(WY)	(1965)	(1945)	(1931)	(1940)	(1940)	(1940)	(1946)	(1987)	(1941)	(1933)	(1934)	(1948)

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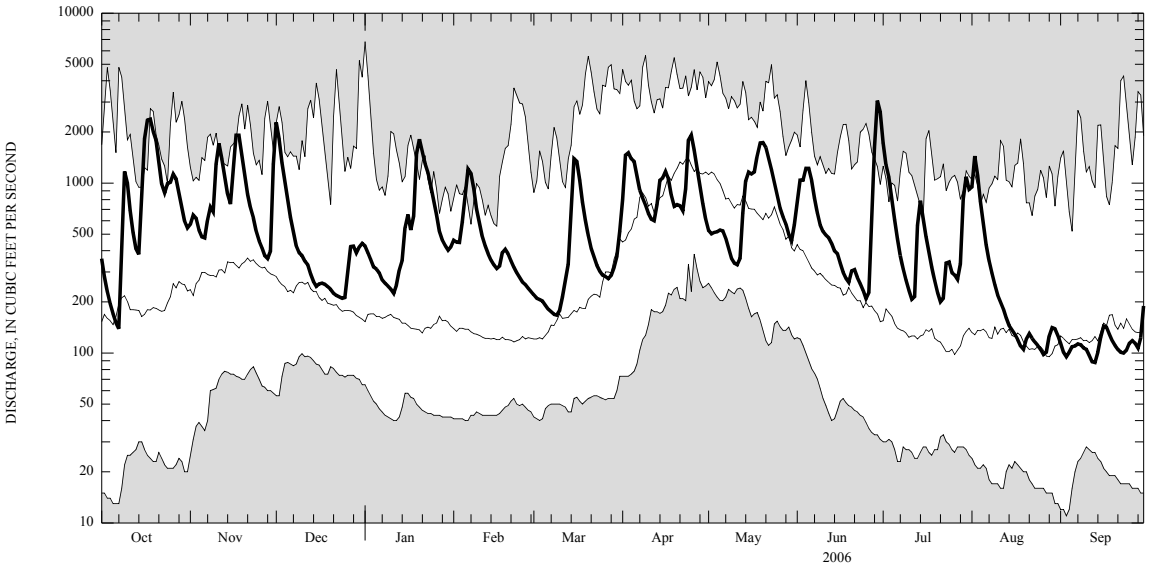
SUMMARY STATISTICS

	Calendar Year 2005		Water Year 2006		Water Years 1926 - 2006	
Annual total	188,714		220,278			
Annual mean	517		604		404	
Highest annual mean					639	1947
Lowest annual mean					237	1965
Highest daily mean	4,030	Apr 4	3,060	Jun 29	6,780	Jan 1, 1949
Lowest daily mean	66	Aug 19	88	Sep 13	11	Sep 3, 1934
Annual seven-day minimum	74	Aug 14	100	Sep 8	13	Aug 29, 1934
Annual runoff (cfsm)	2.69		3.14		2.11	
Annual runoff (inches)	36.56		42.68		28.61	
10 percent exceeds	1,330		1,310		975	
50 percent exceeds	263		427		213	
90 percent exceeds	115		125		74	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water Year 2006.
CHEMICAL DATA: 2006 (d)
MINOR ELEMENTS DATA: 2006 (d)
ORGANIC DATA: 2006 (d)
NUTRIENT DATA: 2006 (d)
SEDIMENT DATA: 2006 (d)

REMARKS.--A sampling method code of 70 indicates a grab sample. An * indicates a replicate sample.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 1 of 3

[Remark codes: <, less than; E, estimated.]

Date	Time	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	UV absorbance, 254 nm, wat flt units /cm (50624)	SUVA, 254 nm, abs L/ (mgDOC meter) (63162)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
Oct													
12...	1000	522	70	.243	3.3	733	8.8	85	6.5	42	37	12.0	13.9
Nov													
09...	1130	653	70	.216	3.5	723	11.6	93	6.4	38	37	3.0	5.8
30...	1330	1,400	70	.251	3.6	720	12.5	97	5.6	25	20	5.0	4.8
Dec													
14...	1215	261	70	.204	3.4	734	12.9	89	6.0	45	42	-5.0	.5
Jan													
10...	1130	237	70	.166	3.2	726	13.4	93	6.6	52	53	3.0	.2
18...	1230	593	70	.158	3.5	753	12.4	86	6.7	49	52	3.0	.0
Feb													
01...	1100	462	70	.161	3.5	715	14.7	107	6.8	47	47	.0	.0
Mar													
08...	1330	168	70	.143	3.6	721	13.4	96	6.8	57	58	1.5	.0
08...*	1331	168	70	.144	3.6	--	--	--	--	58	--	--	--
22...	1030	369	70	.141	3.8	714	12.8	94	6.7	46	47	-1.0	.0
Apr													
05...	1000	1,360	70	.153	3.8	711	14.8	112	6.4	36	36	2.0	1.5
25...	1000	1,950	70	.173	3.6	711	13.1	106	6.4	36	32	7.5	5.5
Jun													
07...	1000	829	70	.194	3.5	718	9.2	102	6.8	40	40	24.5	17.9
Jul													
06...	1000	474	70	.263	3.8	722	9.1	96	6.9	39	38	30.0	18.1
Aug													
31...	1030	128	70	.210	3.6	726	8.2	92	6.9	63	59	18.5	18.3
Sep													
14...	1100	100	70	.170	3.3	721	9.7	100	7.0	73	72	15.5	14.1

01312000 HUDSON RIVER NEAR NEWCOMB, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 2 of 3
[Remark codes: <, less than; E, estimated.]

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt fxd end lab, mg/L as CaCO3 (29801)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Total nitrogen, wat unf by analysis, mg/L (62855)	Orthophosphate, water, fltrd, mg/L as P (00671)
Oct													
12...	4.33	.751	.25	2.22	10	2.79	4.95	<.04	.14	<.008	<.02	.36	<.006
Nov													
09...	3.89	.789	.25	2.08	8	2.42	5.81	<.04	.20	<.008	<.02	.39	<.006
30...	2.52	.396	<.16	1.40	<5	1.29	3.66	<.04	.36	<.008	.07	.71	<.006
Dec													
14...	4.46	.974	.31	2.33	10	2.87	6.58	<.04	.21	<.008	<.02	.41	<.006
Jan													
10...	4.90	1.04	.25	2.77	10	3.17	7.13	E.03	.28	<.008	<.02	.48	<.006
18...	4.21	.921	.18	2.55	9	3.07	6.50	<.04	.42	<.008	<.02	.54	<.006
Feb													
01...	4.17	.859	E.13	2.40	8	2.94	6.51	<.04	.40	<.008	<.02	.59	<.006
Mar													
08...	5.14	1.17	.20	2.76	11	3.71	7.96	E.02	.39	<.008	<.02	.52	<.006
08...	5.11	1.16	E.09	2.72	10	3.71	8.05	E.02	.39	<.008	<.02	.51	<.006
22...	4.19	.843	.22	2.51	9	3.38	5.90	<.04	.43	<.008	<.02	.57	<.006
Apr													
05...	3.24	.591	.22	1.86	6	2.29	4.50	<.04	.47	<.008	.03	.62	<.006
25...	3.08	.507	.17	1.79	6	2.35	3.94	<.04	.37	<.008	.03	.58	<.006
Jun													
07...	3.83	.722	.20	2.23	9	2.88	5.06	<.010	.12	<.002	.04	.33	E.003
Jul													
06...	3.97	.785	.20	2.03	9	2.46	5.20	E.007	.09	<.002	.05	.37	E.003
Aug													
31...	6.22	1.47	.21	2.78	14	3.18	8.71	.016	.09	<.002	<.02	.32	E.004
Sep													
14...	7.31	1.83	.23	2.96	16	3.68	11.0	E.006	.10	<.002	<.02	.27	E.004

01312000 HUDSON RIVER NEAR NEWCOMB, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 3 of 3
[Remark codes: <, less than; E, estimated.]

Date	Phosphorus, water, unfltrd mg/L (00665)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Iron, water, fltrd, ug/L (01046)	Mercury water, fltrd, ng/L (50287)	Mercury suspnd sedimnt total, ng/L (62976)	Methylmercury water, fltrd, ng/L (50285)	Methylmercury suspnd sedimnt total, ng/L (62977)	Suspended sediment concentration mg/L (80154)
Oct											
12...	.005	.2	<.1	.2	7.3	112	1.66	.304	.10	.018	1
Nov											
09...	.006	.2	<.1	.2	6.2	126	1.48	.337	.08	<.010	1
30...	.028	.9	<.1	.9	7.0	73	2.40	2.98	<.04	.063	13
Dec											
14...	.005	.1	<.1	.1	6.0	105	1.31	.192	.06	<.009	1
Jan											
10...	.005	<.1	<.1	<.1	5.2	102	1.37	.307	E.05	<.009	<1
18...	.005	.1	<.1	.1	4.6	81	1.30	.245	E.05	<.010	1
Feb											
01...	.005	<.1	<.1	<.1	4.6	75	1.42	.230	.04	<.009	1
Mar											
08...	E.003	<.1	<.1	<.1	4.0	81	1.35	.277	.05	.013	1
08...	.010	<.1	<.1	<.1	4.1	83	1.28	.215	.07	.009	1
22...	.006	<.1	<.1	<.1	3.7	76	1.47	.275	.05	<.009	<1
Apr											
05...	.006	.2	<.1	.2	4.0	58	1.54	.449	.05	.012	2
25...	<.02	.4	<.1	.4	4.8	49	1.64	.717	E.04	.014	2
Jun											
07...	.007	.3	<.1	.3	5.5	78	1.71	.304	.12	.025	1
Jul											
06...	.009	.4	<.1	.4	7.0	124	2.26	.477	.17	.035	2
Aug											
31...	.005	.2	<.1	.2	5.9	160	1.65	.220	.20	.012	1
Sep											
14...	.007	.1	<.1	.1	5.2	141	1.48	.177	.14	<.009	1