



Water-Data Report 2007

**01378570 HACKENSACK RIVER AT HACKENSACK, NJ**

HACKENSACK RIVER BASIN

LOCATION.--Lat 40°52'46", long 74°02'23" referenced to North American Datum of 1983, Bogota Borough, Bergen County, NJ, Hydrologic Unit 02030103, on upstream ice breaker on Dillard Memorial Bridge carrying Fort Lee Road (Court Street) between Hackensack and Bogota, 1100 ft east of Bergen County Courthouse, and 16 mi upstream from the mouth and Newark Bay.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Unpublished fragmentary gage-height record, June 1997 to April 2000. Continuous-record tide gage, April 2000 to April 2007.

GAGE.--Water-stage recorder. Datum of gage is at 0.00 ft NAVD of 1988. To determine approximate elevations to NGVD of 1929 datum, add 1.01 ft. To determine approximate elevations to Mean Lower Low Water datum, add 3.35 ft (revised to Tidal Epoch 1983-2001).

REMARKS.--Missing gage-height record Feb 5-6, Feb 8-17, Mar 7, and short portions of other days. The gage was temporarily removed on Apr 24, 2007 due to bridge construction. Summaries for months with short periods of missing gage-height record have been estimated with little or no loss of accuracy. Some periods cannot be estimated and are noted by dashed (---) lines. Satellite stage telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 5.62 ft, Apr 16, 2007; minimum elevation recorded, -7.32 ft, Dec 12, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum elevation recorded, 5.62 ft, Apr 16, likely maximum for water year; minimum elevation recorded, -6.41 ft, Jan 20, although a lower tide likely occurred during period of missing record on Feb 16.

Statistics of Tide Elevations, in feet  
Water Year October 2006 to September 2007

Month	Mean High Tide	Mean Water Level	Mean Low Tide
October	2.97	0.33	-2.93
November	3.13	0.50	-2.75
December	2.44	-0.26	-3.64
CALENDAR YEAR 2006	2.88	0.24	-3.02
January	2.42	e-0.3	e-3.6
February	---	---	---
March	2.36	e-0.4	e-3.6
April	---	---	---
May	---	---	---
June	---	---	---
July	---	---	---
August	---	---	---
September	---	---	---
WATER YEAR 2007	---	---	---

e Estimated

## 01378570 HACKENSACK RIVER AT HACKENSACK, NJ—Continued

**GAGE HEIGHT, FEET**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	High-high	Low-low										
	October		November		December		January		February		March	
<b>1</b>	3.47	-1.50	3.34	-3.09	3.61	-3.63	4.22	-3.52	3.39	-3.96	2.91	-3.43
<b>2</b>	2.84	-2.83	3.78	-3.73	2.38	-5.51	3.18	-5.06	3.62	-3.62	4.44	-2.97
<b>3</b>	3.30	-3.33	3.54	-4.38	3.32	-4.70	3.21	-4.73	2.42	-4.48	3.43	-2.93
<b>4</b>	3.72	-4.17	3.81	-4.60	3.59	-5.60	3.04	-4.78	---	---	2.86	-4.07
<b>5</b>	3.97	-4.22	3.82	-4.65	3.35	-4.62	3.38	-3.93	---	---	2.37	-4.76
<b>6</b>	4.71	-3.92	4.01	-4.56	4.09	-3.88	3.37	-3.91	---	---	0.60	-6.07
<b>7</b>	4.96	-3.30	3.92	-4.09	3.39	-4.00	2.28	-4.39	0.88	---	---	---
<b>8</b>	4.22	-4.34	4.48	-3.24	0.60	-5.27	3.60	-2.69	---	---	1.13	---
<b>9</b>	4.03	-4.31	3.92	-2.54	1.66	-4.39	1.67	-4.35	---	---	1.76	---
<b>10</b>	4.13	-3.85	3.02	-2.80	1.44	-4.29	1.55	-3.92	---	---	1.06	-2.46
<b>11</b>	4.38	-2.36	3.22	-1.88	1.68	-3.38	1.76	-2.81	---	---	1.51	-3.04
<b>12</b>	4.13	-1.73	2.86	-1.57	2.07	-2.30	2.38	-2.86	---	---	1.85	-2.62
<b>13</b>	3.40	-2.14	3.19	-1.46	2.58	-2.30	2.00	-3.19	---	---	2.19	-2.78
<b>14</b>	3.24	-2.69	3.26	-1.91	2.33	-3.18	2.52	-2.73	---	---	2.50	-2.39
<b>15</b>	2.38	-2.10	2.82	-2.48	2.49	-2.14	2.78	-2.37	---	---	2.46	-3.63
<b>16</b>	2.65	-2.85	3.43	-1.33	2.17	-4.00	2.46	-4.18	---	---	4.34	-3.73
<b>17</b>	3.40	-2.77	3.26	-2.46	2.78	-3.41	2.14	-4.18	---	---	4.40	-3.77
<b>18</b>	3.29	-1.95	3.08	-3.33	2.88	-3.63	3.11	-4.21	3.51	---	2.78	-5.73
<b>19</b>	3.14	-2.71	3.38	-3.18	3.03	-3.80	3.62	-5.25	2.90	---	3.37	-5.56
<b>20</b>	3.82	-2.28	3.29	-3.64	3.28	-3.94	1.93	-6.41	3.17	-4.75	2.86	-6.00
<b>21</b>	2.34	-4.65	3.15	-3.66	2.66	-5.12	3.18	-4.62	3.22	-4.43	2.88	-5.86
<b>22</b>	2.98	-3.22	3.71	-2.42	3.29	-4.40	3.64	-4.08	3.20	-3.49	3.35	-4.86
<b>23</b>	3.08	-3.31	4.24	-1.84	3.93	-3.48	3.33	-4.22	3.44	-4.24	2.63	-4.62
<b>24</b>	3.20	-3.27	3.58	-2.97	2.83	-4.56	3.09	-3.57	2.30	-3.04	2.44	-4.09
<b>25</b>	2.77	-3.67	3.63	-2.74	2.78	-3.89	3.61	-3.70	2.76	-2.45	3.04	-2.85
<b>26</b>	2.76	-3.30	3.17	-3.04	3.98	-3.01	2.17	---	3.09	-2.52	2.28	-3.34
<b>27</b>	3.37	-2.46	2.78	-3.15	2.65	-3.76	2.80	---	3.03	-2.76	2.70	-2.80
<b>28</b>	4.87	-2.66	2.95	-2.91	2.57	-4.00	3.18	-3.41	2.56	-3.17	2.50	-2.86
<b>29</b>	1.83	-4.82	3.23	-3.56	2.64	-3.56	2.79	-2.87	---	---	2.05	-3.86
<b>30</b>	1.61	-4.40	2.97	-3.80	2.90	-4.74	2.77	---	---	---	2.65	-3.48
<b>31</b>	3.03	-3.62	---	---	2.78	-3.58	2.80	-3.96	---	---	2.83	-3.70
<b>Max</b>	4.96	-1.50	4.48	-1.33	4.09	-2.14	4.22	-2.37	---	---	4.44	-2.39
<b>Min</b>	1.61	-4.82	2.78	-4.65	0.60	-5.60	1.55	-6.41	---	---	0.60	-6.07

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**GAGE HEIGHT, FEET**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	High-high	Low-low										
	April		May		June		July		August		September	
1	3.09	-3.76	---	---	---	---	---	---	---	---	---	---
2	3.44	-3.22	---	---	---	---	---	---	---	---	---	---
3	3.53	-3.17	---	---	---	---	---	---	---	---	---	---
4	3.88	-2.54	---	---	---	---	---	---	---	---	---	---
5	2.69	-2.89	---	---	---	---	---	---	---	---	---	---
6	2.26	-3.51	---	---	---	---	---	---	---	---	---	---
7	2.69	-2.75	---	---	---	---	---	---	---	---	---	---
8	2.54	-3.37	---	---	---	---	---	---	---	---	---	---
9	1.04	-4.29	---	---	---	---	---	---	---	---	---	---
10	2.01	-2.96	---	---	---	---	---	---	---	---	---	---
11	2.57	-2.83	---	---	---	---	---	---	---	---	---	---
12	2.77	-0.71	---	---	---	---	---	---	---	---	---	---
13	2.77	-4.09	---	---	---	---	---	---	---	---	---	---
14	2.99	-4.35	---	---	---	---	---	---	---	---	---	---
15	5.59	-3.53	---	---	---	---	---	---	---	---	---	---
16	5.62	-0.27	---	---	---	---	---	---	---	---	---	---
17	5.08	-2.50	---	---	---	---	---	---	---	---	---	---
18	4.80	-3.00	---	---	---	---	---	---	---	---	---	---
19	5.38	-2.96	---	---	---	---	---	---	---	---	---	---
20	4.87	-3.22	---	---	---	---	---	---	---	---	---	---
21	4.03	-3.60	---	---	---	---	---	---	---	---	---	---
22	3.17	-3.40	---	---	---	---	---	---	---	---	---	---
23	2.96	-3.01	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
<b>Max</b>	5.62	-0.27	---	---	---	---	---	---	---	---	---	---
<b>Min</b>	1.04	-4.35	---	---	---	---	---	---	---	---	---	---

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