# 01311875 ROCKAWAY INLET NEAR FLOYD BENNETT FIELD, NY

Long Island Basin
Southern Long Island Subbasin

LOCATION.--Lat 40°34′25″, long 73°53′08″ referenced to North American Datum of 1927, Kings County, NY, Hydrologic Unit 02030202, at Metropolitan Transportation Authority Marine Parkway Gil Hodges Memorial Bridge, near Floyd Bennett Field.

## SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929.

REMARKS.--Records excellent, except those for Oct. 2, 15-20, 22-23, Oct. 28 to Nov. 3, Nov. 7-10, Nov. 12 to Jan. 5, Jan. 9-10, 13, Mar. 27-30, and Apr. 2 to June 14, which are good; and those for Oct. 1, 3-14, 21, 24-27, Nov. 4-6, 11, Jan. 6-8, 11-12, Jan. 14 to Mar. 26, and Mar. 31 to Apr. 1, which are fair. Satellite and telephone elevation telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 7.58 ft, Aug. 28, 2011; minimum elevation, -5.23 ft, Mar. 9, 2005.

EXTREMES OUTSIDE PERIOD OF RECORD.--Storm tide of Dec. 11, 1992, reached an elevation of 8.9 ft, from high-water mark at site 0.5 mi south-southeast.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 7.58 ft, Aug. 28; minimum elevation, -4.06 ft, Feb. 19.



Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 01311875, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/01311875.2011.pdf

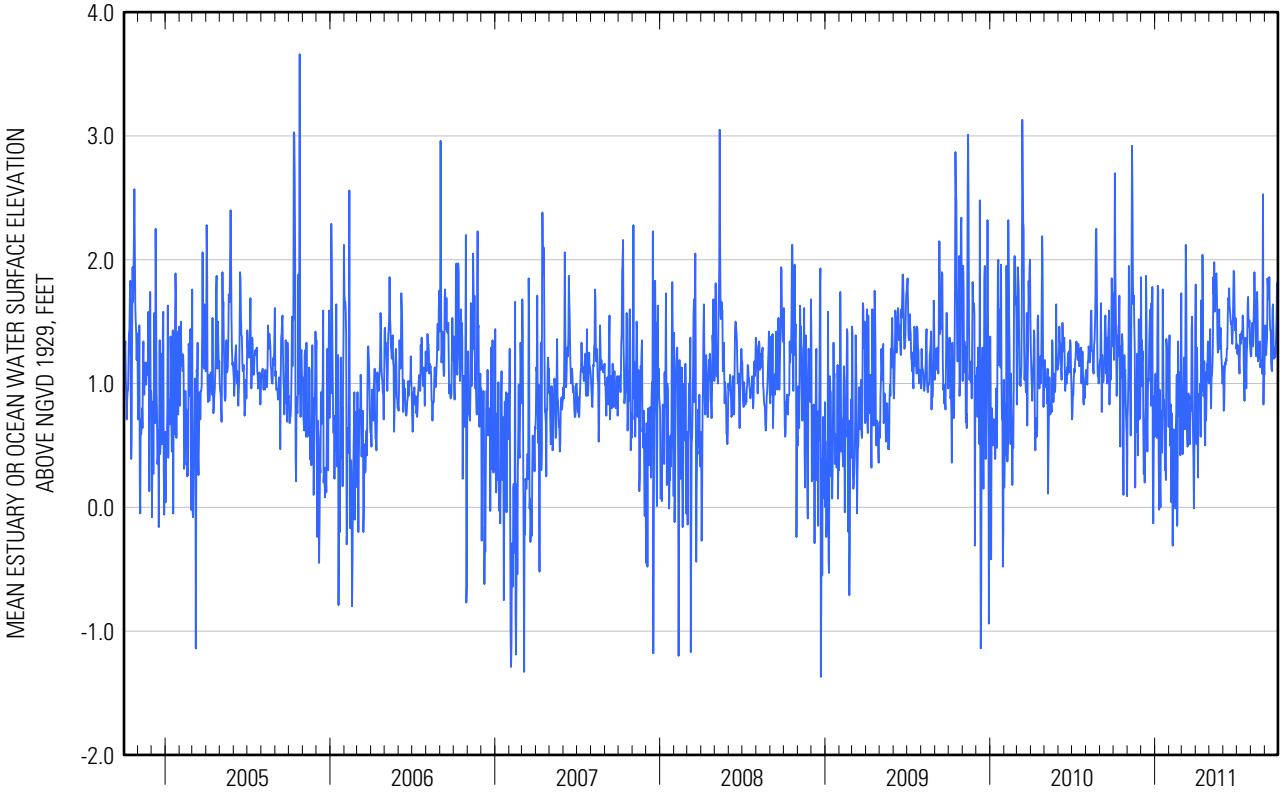
**01311875 ROCKAWAY INLET NEAR FLOYD BENNETT FIELD, NY—Continued**

**ESTUARY OR OCEAN WATER SURFACE ELEVATION ABOVE NGVD 1929, FEET**
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**
**DAILY MEAN VALUES**

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.53 | 0.72 | 1.86 | 0.95 | 1.19 | 0.75 | 1.80 | 1.03 | 1.14 | 1.32 | 1.22 | 1.24 |
| 2 | 1.19 | 0.83 | 0.98 | 1.08 | 1.39 | 0.74 | 0.77 | 1.11 | 0.78 | 1.24 | 1.22 | 1.47 |
| 3 | 1.73 | 1.10 | 1.35 | 0.60 | 0.50 | 0.43 | 0.51 | 1.44 | 0.81 | 1.31 | 1.45 | 1.33 |
| 4 | 2.70 | 1.95 | 1.19 | 0.73 | 0.56 | 0.71 | 1.29 | 1.04 | 1.07 | 1.27 | 1.49 | 1.23 |
| 5 | 1.92 | 1.62 | 1.26 | 0.56 | 0.83 | 0.98 | 0.82 | 0.80 | 1.17 | 1.23 | 1.34 | 1.31 |
| 6 | 1.64 | 0.98 | 0.61 | 1.36 | 0.04 | 1.21 | 0.24 | 1.04 | 1.15 | 1.16 | 1.30 | 1.37 |
| 7 | 1.25 | 0.93 | 0.27 | 1.79 | 0.76 | 0.69 | 0.86 | 1.07 | 1.20 | 1.08 | 1.47 | 1.85 |
| 8 | 0.90 | 0.58 | 0.47 | 1.75 | 0.53 | 0.63 | 0.85 | 1.14 | 1.18 | 1.30 | 1.65 | 1.77 |
| 9 | 1.11 | 1.25 | 0.20 | 0.38 | -0.31 | 1.25 | 0.92 | 1.30 | 1.28 | 1.40 | 1.90 | 1.70 |
| 10 | 1.39 | 1.99 | 0.70 | -0.02 | 0.29 | 2.12 | 0.90 | 1.86 | 1.28 | 1.32 | 1.72 | 1.68 |
| 11 | 1.22 | 2.92 | 0.81 | 0.95 | 0.63 | 1.77 | 1.00 | 1.72 | 1.54 | 1.36 | 1.58 | 1.86 |
| 12 | 1.46 | 2.50 | 1.87 | 0.19 | 0.36 | 0.91 | 0.57 | 1.98 | 1.69 | 1.42 | 1.33 | 1.53 |
| 13 | 1.49 | 1.79 | 1.54 | 0.00 | 0.32 | 0.60 | 1.67 | 1.58 | 1.67 | 1.37 | 1.22 | 1.43 |
| 14 | 1.71 | 1.64 | 0.75 | 0.68 | 0.43 | 0.49 | 1.12 | 1.66 | 1.77 | 1.55 | 1.50 | 1.43 |
| 15 | 0.95 | 1.71 | 0.45 | 0.78 | -0.01 | 0.84 | 0.94 | 1.81 | 1.63 | 1.49 | 1.74 | 1.17 |
| 16 | 0.49 | 1.46 | 0.92 | 0.44 | 0.64 | 0.92 | 2.04 | 1.88 | 1.58 | 1.26 | 1.56 | 1.11 |
| 17 | 1.30 | 1.28 | 1.04 | 0.71 | 0.77 | 0.70 | 1.60 | 1.89 | 1.52 | 1.03 | 1.18 | 1.10 |
| 18 | 1.05 | 0.16 | 1.02 | 1.76 | 1.07 | 0.82 | 0.90 | 1.70 | 1.48 | 0.86 | 1.23 | 1.60 |
| 19 | 1.20 | 0.77 | 1.31 | 1.24 | -0.15 | 0.51 | 0.92 | 1.37 | 1.50 | 1.18 | 1.24 | 1.64 |
| 20 | 1.40 | 0.61 | 1.47 | 0.81 | 0.33 | 0.69 | 1.18 | 1.25 | 1.38 | 1.37 | 1.28 | 1.43 |
| 21 | 1.32 | 0.79 | 1.58 | 0.87 | 1.34 | 0.90 | 0.61 | 1.28 | 1.32 | 1.22 | 1.34 | 1.20 |
| 22 | 0.67 | 1.24 | 1.60 | 0.55 | 0.89 | 0.78 | 0.50 | 1.46 | 1.43 | 0.96 | 1.13 | 1.29 |
| 23 | 0.10 | 1.17 | 0.82 | 0.30 | 0.74 | 1.44 | 1.09 | 1.60 | 1.67 | 1.24 | 1.16 | 1.27 |
| 24 | 1.02 | 0.42 | 1.65 | 0.34 | 1.09 | 1.54 | 0.70 | 1.28 | 1.91 | 1.32 | 1.15 | 1.21 |
| 25 | 1.23 | 1.16 | 1.34 | 0.22 | 1.04 | 1.05 | 0.92 | 1.35 | 1.90 | 1.64 | 1.19 | 1.23 |
| 26 | 1.09 | 1.52 | 1.78 | 1.36 | 0.42 | 0.61 | 1.16 | 1.45 | 1.62 | 1.70 | 1.08 | 1.38 |
| 27 | 1.11 | 0.71 | 0.28 | 1.30 | 1.15 | 0.39 | 1.14 | 1.31 | 1.43 | 1.51 | 1.70 | 1.52 |
| 28 | 0.86 | 0.73 | -0.13 | 0.94 | 1.73 | -0.01 | 1.34 | 1.21 | 1.53 | 1.46 | 2.53 | 1.81 |
| 29 | 0.70 | 0.72 | 0.45 | 1.05 | --- | 0.45 | 1.07 | 1.13 | 1.51 | 1.51 | 0.83 | 1.76 |
| 30 | 0.59 | 1.19 | 0.90 | 0.96 | --- | 0.66 | 1.00 | 1.00 | 1.28 | 1.33 | 1.14 | 1.51 |
| 31 | 0.09 | --- | 0.57 | 0.65 | --- | 1.47 | --- | 1.02 | --- | 1.27 | 1.07 | --- |
| Mean | 1.17 | 1.21 | 1.00 | 0.82 | 0.66 | 0.87 | 1.01 | 1.38 | 1.41 | 1.31 | 1.39 | 1.45 |
| Max | 2.70 | 2.92 | 1.87 | 1.79 | 1.73 | 2.12 | 2.04 | 1.98 | 1.91 | 1.70 | 2.53 | 1.86 |
| Min | 0.09 | 0.16 | -0.13 | -0.02 | -0.31 | -0.01 | 0.24 | 0.80 | 0.78 | 0.86 | 0.83 | 1.10 |

| | Calendar Year 2010 | Water Year 2011 |
|---|---|---|
| Mean | 1.15 | 1.14 |
| Max | 3.13 | 2.92 |
| Min | -0.48 | -0.31 |

**01311875 ROCKAWAY INLET NEAR FLOYD BENNETT FIELD, NY—Continued**



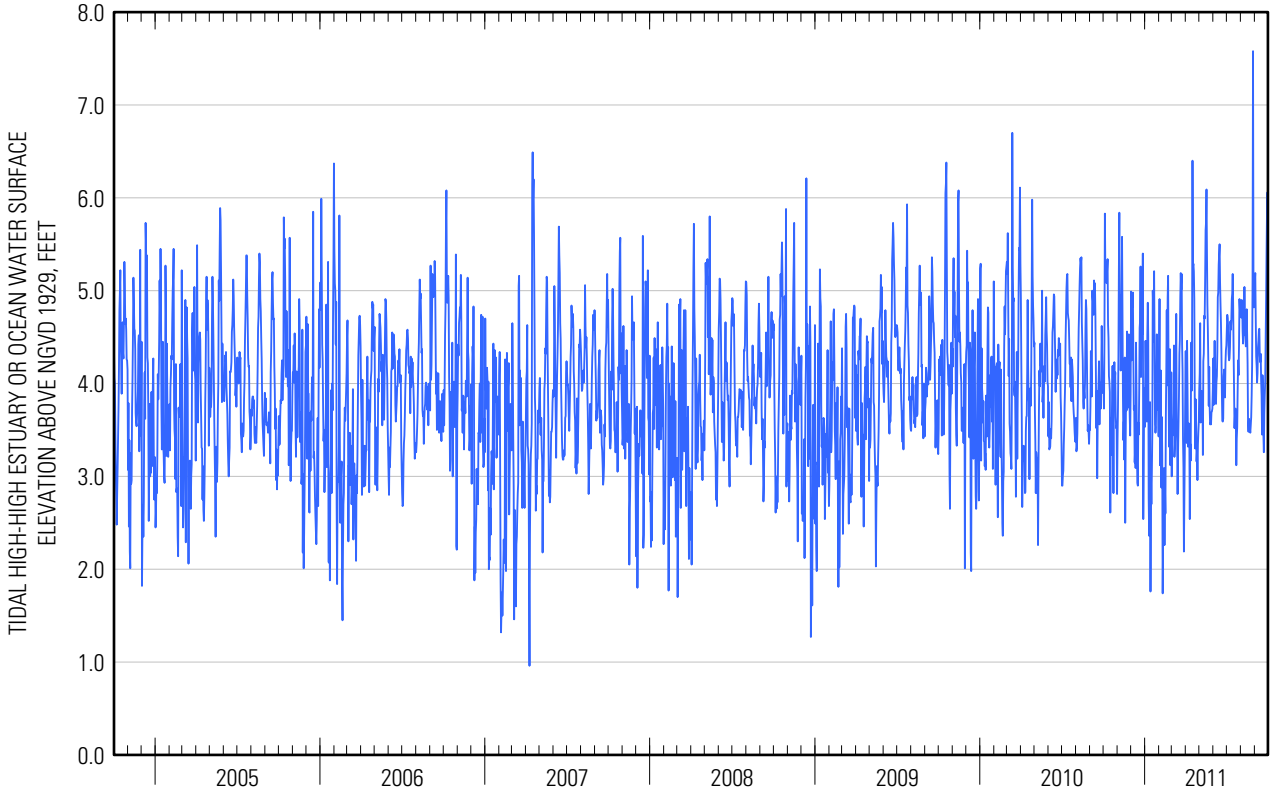
**01311875 ROCKAWAY INLET NEAR FLOYD BENNETT FIELD, NY—Continued**

**ESTUARY OR OCEAN WATER SURFACE ELEVATION ABOVE NGVD 1929, FEET**
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**
**DAILY TIDAL HIGH-HIGH VALUES**

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.95 | 3.39 | 4.99 | 3.88 | 4.12 | 3.00 | 4.35 | 3.94 | 4.27 | 4.58 | 4.82 | 5.09 |
| 2 | 3.73 | 3.74 | 4.25 | 4.46 | 4.91 | 3.56 | 3.50 | 4.11 | 3.77 | 4.74 | 4.71 | 5.19 |
| 3 | 4.45 | 4.29 | 4.82 | 4.12 | 3.12 | 3.44 | 3.36 | 4.65 | 4.18 | 4.70 | 4.90 | 4.72 |
| 4 | 5.83 | 5.23 | 4.82 | 4.12 | 3.74 | 3.51 | 4.46 | 3.58 | 4.46 | 4.60 | 4.88 | 4.29 |
| 5 | 5.24 | 5.84 | 4.98 | 3.59 | 4.14 | 3.68 | 3.93 | 3.92 | 4.16 | 4.32 | 4.56 | 4.19 |
| 6 | 5.19 | 4.91 | 4.35 | 4.52 | 2.88 | 4.41 | 3.32 | 3.92 | 4.13 | 4.25 | 4.43 | 4.01 |
| 7 | 5.20 | 4.95 | 3.72 | 4.87 | 3.64 | 3.21 | 3.41 | 3.83 | 3.78 | 4.27 | 4.52 | 4.11 |
| 8 | 5.08 | 4.14 | 3.76 | 4.51 | 3.24 | 3.34 | 3.57 | 3.91 | 4.01 | 4.39 | 4.52 | 4.39 |
| 9 | 5.23 | 4.37 | 3.15 | 2.76 | 1.74 | 4.14 | 3.42 | 3.23 | 4.08 | 4.67 | 5.04 | 4.46 |
| 10 | 5.34 | 4.80 | 3.30 | 2.36 | 2.36 | 3.82 | 2.54 | 4.24 | 4.34 | 4.58 | 4.62 | 4.57 |
| 11 | 4.64 | 5.58 | 3.09 | 2.80 | 2.47 | 4.75 | 3.35 | 4.32 | 4.93 | 4.68 | 4.67 | 4.59 |
| 12 | 4.49 | 4.74 | 4.44 | 3.80 | 3.09 | 3.51 | 3.17 | 4.73 | 4.98 | 4.91 | 4.40 | 4.30 |
| 13 | 4.08 | 3.86 | 3.91 | 1.76 | 2.26 | 3.37 | 4.44 | 4.70 | 5.28 | 4.97 | 4.41 | 4.23 |
| 14 | 4.02 | 3.39 | 3.23 | 3.01 | 2.89 | 2.81 | 3.92 | 5.13 | 5.39 | 5.18 | 4.80 | 4.32 |
| 15 | 3.91 | 3.59 | 2.93 | 2.70 | 2.60 | 3.25 | 4.40 | 5.65 | 5.50 | 4.86 | 4.53 | 4.03 |
| 16 | 2.61 | 3.18 | 2.90 | 3.03 | 3.64 | 3.57 | 6.40 | 5.74 | 5.10 | 4.35 | 4.21 | 3.87 |
| 17 | 3.63 | 4.28 | 3.58 | 3.46 | 4.13 | 3.86 | 5.25 | 6.09 | 4.86 | 3.95 | 3.57 | 3.45 |
| 18 | 3.23 | 2.50 | 3.45 | 5.00 | 4.79 | 4.32 | 5.29 | 5.43 | 4.65 | 3.52 | 3.48 | 4.09 |
| 19 | 3.43 | 3.34 | 3.93 | 4.81 | 3.98 | 4.47 | 5.21 | 4.85 | 4.35 | 3.65 | 3.62 | 3.91 |
| 20 | 3.87 | 3.97 | 4.60 | 4.45 | 4.92 | 4.93 | 4.91 | 4.59 | 3.92 | 3.73 | 3.58 | 3.45 |
| 21 | 4.19 | 3.71 | 4.68 | 5.21 | 5.16 | 5.19 | 3.81 | 4.23 | 3.60 | 3.58 | 3.51 | 3.26 |
| 22 | 3.77 | 4.56 | 5.26 | 4.42 | 4.08 | 5.01 | 3.30 | 3.76 | 3.59 | 3.12 | 3.47 | 3.68 |
| 23 | 2.82 | 4.46 | 4.07 | 3.56 | 3.32 | 5.18 | 3.83 | 4.18 | 3.62 | 3.41 | 3.55 | 3.87 |
| 24 | 4.06 | 3.74 | 5.24 | 3.47 | 3.99 | 4.41 | 3.58 | 3.75 | 4.08 | 3.53 | 3.64 | 4.02 |
| 25 | 4.23 | 4.37 | 4.61 | 3.53 | 4.37 | 4.14 | 3.16 | 3.56 | 4.15 | 3.92 | 3.87 | 4.47 |
| 26 | 4.03 | 4.53 | 4.53 | 3.96 | 3.12 | 3.40 | 3.28 | 3.58 | 3.88 | 4.25 | 4.19 | 4.91 |
| 27 | 4.12 | 3.95 | 5.40 | 4.53 | 3.66 | 3.10 | 2.96 | 3.56 | 3.85 | 4.09 | 5.13 | 5.42 |
| 28 | 3.64 | 3.65 | 2.54 | 3.72 | 4.12 | 2.19 | 3.34 | 3.69 | 4.22 | 4.41 | 7.58 | 5.86 |
| 29 | 3.52 | 3.44 | 3.20 | 3.89 | --- | 2.76 | 3.48 | 3.70 | 4.36 | 4.91 | 5.15 | 6.06 |
| 30 | 3.55 | 3.89 | 3.95 | 3.82 | --- | 3.27 | 3.59 | 3.73 | 4.41 | 4.80 | 4.82 | 5.52 |
| 31 | 2.81 | --- | 3.53 | 3.43 | --- | 3.91 | --- | 3.94 | --- | 4.88 | 5.03 | --- |
| Mean | 4.13 | 4.15 | 4.04 | 3.79 | 3.59 | 3.79 | 3.88 | 4.27 | 4.33 | 4.32 | 4.46 | 4.41 |
| Max | 5.83 | 5.84 | 5.40 | 5.21 | 5.16 | 5.19 | 6.40 | 6.09 | 5.50 | 5.18 | 7.58 | 6.06 |
| Min | 2.61 | 2.50 | 2.54 | 1.76 | 1.74 | 2.19 | 2.54 | 3.23 | 3.59 | 3.12 | 3.47 | 3.26 |

| | Calendar Year 2010 | Water Year 2011 |
|---|---|---|
| Mean | 4.06 | 4.10 |
| Max | 6.70 | 7.58 |
| Min | 2.26 | 1.74 |

**01311875 ROCKAWAY INLET NEAR FLOYD BENNETT FIELD, NY—Continued**



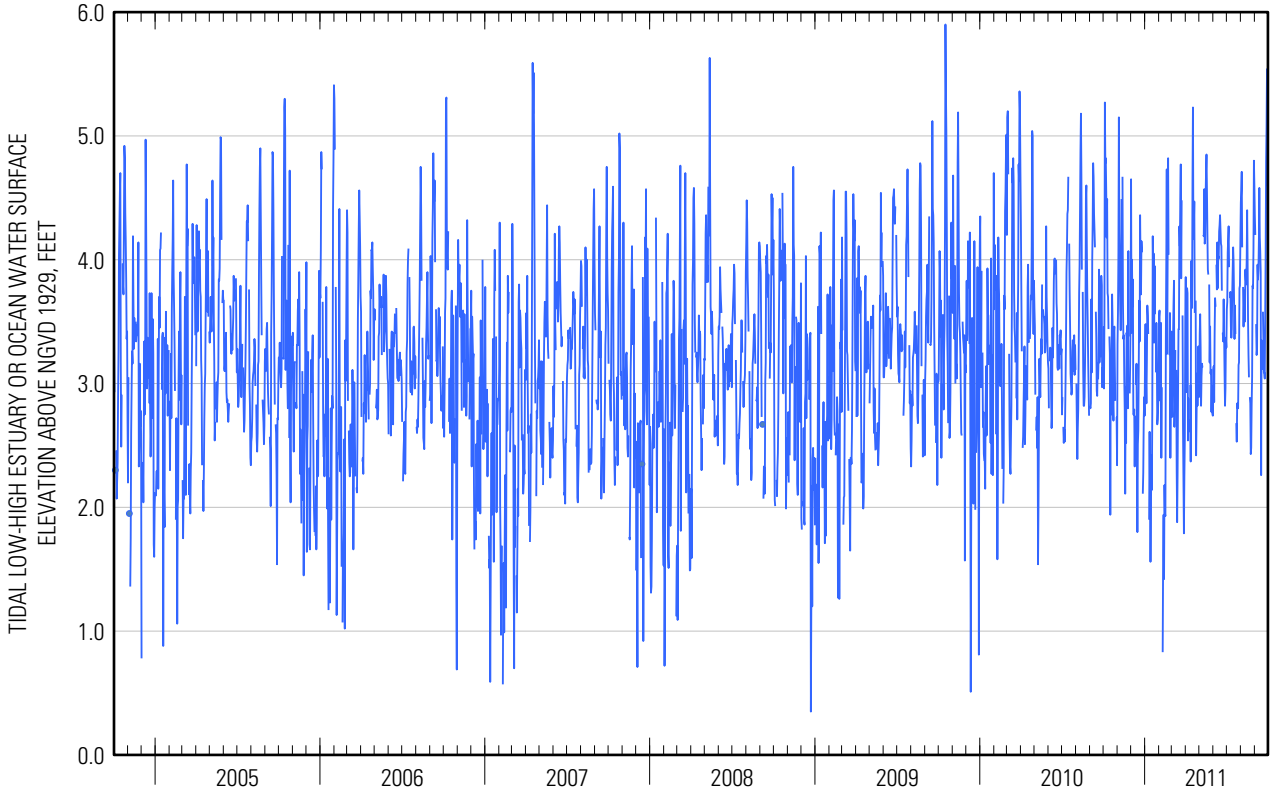
**01311875 ROCKAWAY INLET NEAR FLOYD BENNETT FIELD, NY—Continued**

**ESTUARY OR OCEAN WATER SURFACE ELEVATION ABOVE NGVD 1929, FEET**
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**
**DAILY TIDAL LOW-HIGH VALUES**
**[*, only a single high tide occurred]**

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.46 | 3.32 | 4.65 | 3.27 | 3.54 | 2.99 | 3.86 | 2.93 | 3.11 | 3.60 | 4.46 | 4.36 |
| 2 | 2.96 | 3.57 | 3.41 | 3.48 | 3.59 | 2.73 | 3.31 | 3.40 | 3.14 | 3.66 | 4.56 | 4.20 |
| 3 | 3.55 | 4.06 | 4.00 | 3.03 | 3.07 | 3.00 | 2.93 | 3.56 | 2.85 | 4.06 | 4.71 | *--- |
| 4 | 5.27 | 5.15 | 3.62 | 2.84 | 2.86 | 3.39 | 3.77 | 3.29 | 3.40 | 4.17 | 4.10 | 3.48 |
| 5 | 4.78 | 4.23 | 3.84 | 3.19 | 3.49 | 3.64 | 3.73 | 2.82 | 3.69 | 4.27 | *--- | 3.23 |
| 6 | 4.82 | 3.95 | 2.75 | 3.63 | 2.40 | 3.83 | 2.54 | 3.06 | 3.62 | 3.94 | 3.78 | 3.29 |
| 7 | 4.55 | 3.60 | 2.75 | 3.55 | 2.97 | 2.65 | 2.88 | 3.16 | *--- | *--- | 3.46 | 3.96 |
| 8 | 4.18 | 3.43 | 2.79 | 3.40 | *--- | 2.83 | 2.61 | 3.13 | 3.96 | 3.69 | 3.66 | 3.84 |
| 9 | 4.49 | 3.62 | 2.33 | *--- | 0.83 | 3.27 | 2.71 | *--- | 3.76 | 3.74 | 3.75 | 3.91 |
| 10 | 3.73 | 4.49 | 2.74 | 1.90 | 1.61 | *--- | *--- | 4.20 | 4.14 | 3.46 | 3.50 | 4.15 |
| 11 | 3.70 | *--- | *--- | 2.61 | 1.94 | 3.11 | 2.99 | 4.19 | 3.77 | 3.37 | 3.92 | 4.58 |
| 12 | 3.44 | 4.67 | 2.99 | 2.12 | 1.42 | 2.31 | 2.37 | 4.57 | 4.03 | 3.44 | 3.84 | 4.18 |
| 13 | *--- | 3.66 | 3.16 | 1.56 | 2.18 | 1.88 | 3.99 | 4.13 | 4.01 | 3.73 | 3.80 | 4.07 |
| 14 | 3.38 | 3.36 | 2.38 | 1.98 | 1.95 | 2.28 | 3.77 | 4.16 | 4.23 | 3.92 | 4.00 | 3.90 |
| 15 | 3.24 | 3.39 | 1.80 | 2.42 | 1.93 | 2.92 | 3.61 | 4.51 | 4.28 | 4.10 | 4.40 | 2.26 |
| 16 | 1.94 | 3.02 | 2.51 | 2.14 | 3.38 | 3.44 | 4.62 | 4.71 | 4.36 | 3.98 | 4.00 | 3.35 |
| 17 | 3.14 | 2.78 | 2.62 | 2.79 | 3.99 | 3.44 | 5.23 | 4.85 | 4.24 | 3.68 | 3.51 | 3.11 |
| 18 | 2.75 | 2.11 | 3.13 | 4.19 | 4.73 | 4.27 | 4.17 | 4.56 | 4.13 | 3.36 | 3.23 | *--- |
| 19 | 3.29 | 2.97 | 3.67 | 3.82 | 3.24 | 4.11 | 4.26 | 4.21 | 4.11 | 3.63 | 3.05 | 3.58 |
| 20 | 3.72 | 2.52 | 3.34 | 4.05 | 4.02 | 4.49 | 4.47 | 3.92 | 3.75 | 3.40 | *--- | 3.34 |
| 21 | 3.50 | 3.41 | 4.36 | 3.33 | 4.82 | 4.77 | 3.57 | 3.88 | *--- | *--- | 2.89 | 3.09 |
| 22 | 2.84 | 3.37 | 3.96 | 3.95 | 4.04 | 3.85 | *--- | *--- | 3.41 | 2.68 | 2.84 | 3.09 |
| 23 | 2.70 | 3.47 | 3.72 | 3.56 | *--- | 4.48 | 3.67 | 3.80 | 3.34 | 2.53 | 2.43 | 3.04 |
| 24 | 3.41 | 2.80 | 4.15 | *--- | 3.23 | *--- | 2.42 | 3.17 | 3.68 | 2.84 | 2.48 | 3.55 |
| 25 | 3.46 | 4.07 | 4.06 | 3.09 | 3.57 | 3.55 | 2.73 | 3.46 | 3.40 | 2.80 | 2.83 | 4.05 |
| 26 | 3.15 | 3.38 | *--- | 3.49 | 2.40 | 2.65 | 3.08 | 3.08 | 3.08 | 2.80 | 3.05 | 4.79 |
| 27 | 2.86 | *--- | 2.11 | 3.25 | 3.02 | 2.22 | 2.82 | 3.11 | 2.82 | 3.15 | 3.79 | 5.08 |
| 28 | *--- | 2.92 | 2.28 | 2.67 | 3.42 | 1.79 | 3.01 | 2.77 | 2.96 | 3.17 | 3.77 | 5.54 |
| 29 | 2.73 | 3.17 | 2.70 | 2.71 | --- | 2.25 | 3.30 | 2.98 | 3.37 | 3.77 | 4.08 | 4.67 |
| 30 | 2.73 | 3.56 | 2.89 | 2.83 | --- | 2.55 | 2.89 | 2.76 | 3.29 | 3.79 | 4.80 | 4.59 |
| 31 | 2.34 | --- | 2.74 | 2.99 | --- | 3.52 | --- | 2.74 | --- | 4.15 | 4.60 | --- |
| Mean | 3.45 | 3.50 | 3.15 | 3.03 | 2.99 | 3.18 | 3.40 | 3.62 | 3.64 | 3.55 | 3.70 | 3.87 |
| Max | 5.27 | 5.15 | 4.65 | 4.19 | 4.82 | 4.77 | 5.23 | 4.85 | 4.36 | 4.27 | 4.80 | 5.54 |
| Min | 1.94 | 2.11 | 1.80 | 1.56 | 0.83 | 1.79 | 2.37 | 2.74 | 2.82 | 2.53 | 2.43 | 2.26 |

| | Calendar Year 2010 | Water Year 2011 |
|---|---|---|
| Mean | 3.40 | 3.43 |
| Max | 5.36 | 5.54 |
| Min | 1.54 | 0.83 |

**01311875 ROCKAWAY INLET NEAR FLOYD BENNETT FIELD, NY—Continued**



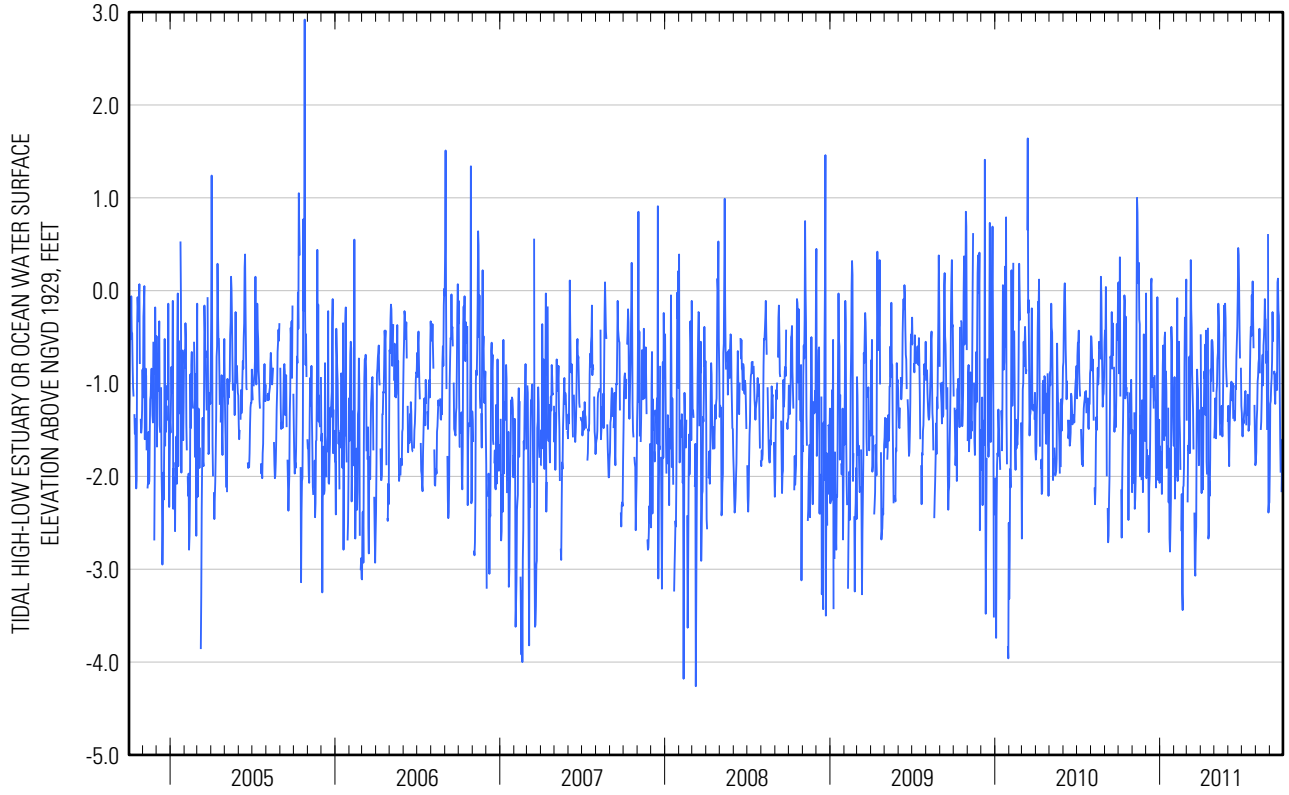
**01311875 ROCKAWAY INLET NEAR FLOYD BENNETT FIELD, NY—Continued**

**ESTUARY OR OCEAN WATER SURFACE ELEVATION ABOVE NGVD 1929, FEET**
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**
**DAILY TIDAL HIGH-LOW VALUES**
**[*, only a single low tide occurred]**

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.09 | -1.50 | -0.03 | -1.67 | -1.66 | -1.40 | -0.47 | -1.59 | -1.24 | -1.32 | -1.85 | -1.91 |
| 2 | -0.89 | -1.89 | -2.02 | *--- | -0.93 | *--- | -1.55 | -1.47 | -1.61 | -1.56 | -1.74 | -1.22 |
| 3 | -0.61 | -2.08 | -1.71 | -1.73 | -2.24 | -2.28 | -2.18 | -1.16 | -1.89 | -1.57 | -1.39 | -1.19 |
| 4 | 0.36 | *--- | *--- | -1.80 | -1.71 | -1.67 | -1.26 | -1.41 | -1.48 | -1.39 | -1.28 | -1.03 |
| 5 | -1.14 | -1.31 | -1.77 | -2.19 | -1.75 | -1.72 | -1.63 | -1.59 | -1.28 | -1.43 | -0.98 | -0.94 |
| 6 | *--- | -2.35 | -1.85 | -1.27 | -2.00 | -1.58 | -2.14 | -1.10 | -1.11 | -1.33 | -0.92 | -0.76 |
| 7 | -2.14 | -2.24 | -2.60 | -0.80 | -1.79 | -0.71 | -1.36 | -1.02 | -1.03 | -1.28 | -0.78 | -0.23 |
| 8 | -2.66 | -2.02 | -2.12 | -0.59 | -0.08 | -1.75 | -1.29 | -0.74 | -0.98 | -1.13 | -0.73 | -0.55 |
| 9 | -2.12 | -1.45 | -1.99 | -1.42 | -2.05 | -0.69 | -0.87 | -0.67 | -1.18 | -1.08 | -0.41 | *--- |
| 10 | -1.71 | -0.17 | -1.62 | -1.61 | -1.45 | 0.33 | -0.95 | -0.14 | -1.18 | -1.28 | -0.89 | -0.90 |
| 11 | -1.41 | 1.00 | -1.11 | -0.51 | -0.86 | -0.20 | -0.58 | -0.28 | -1.00 | -1.45 | *--- | -0.87 |
| 12 | -1.01 | 0.84 | 0.07 | -0.45 | -0.55 | -0.40 | -1.34 | -0.49 | -1.38 | *--- | -1.50 | -1.11 |
| 13 | -0.35 | 0.23 | 0.13 | -1.56 | -1.34 | -0.90 | -0.43 | -1.32 | *--- | -1.35 | -1.41 | -1.22 |
| 14 | -0.05 | 0.08 | -0.55 | -0.87 | -1.55 | -1.10 | -1.84 | -1.56 | -1.29 | -1.12 | -1.16 | -0.94 |
| 15 | -0.11 | 0.30 | -1.04 | -1.09 | -1.93 | -1.28 | -1.98 | *--- | -1.40 | -1.28 | -0.80 | -1.03 |
| 16 | -1.16 | -0.31 | -0.97 | -1.91 | *--- | -1.71 | *--- | -1.44 | -1.37 | -1.51 | -0.69 | -0.89 |
| 17 | -0.28 | -0.36 | -0.94 | -1.67 | -2.59 | *--- | -0.40 | -1.24 | -1.02 | -1.46 | -1.02 | -1.07 |
| 18 | -1.12 | -2.00 | -1.27 | *--- | -2.19 | -2.39 | -2.67 | -1.45 | -1.06 | -1.44 | -0.59 | 0.09 |
| 19 | -1.04 | -1.34 | *--- | -1.26 | -3.26 | -2.98 | -2.63 | -1.57 | -0.72 | -0.86 | -0.50 | 0.13 |
| 20 | *--- | *--- | -0.91 | -2.28 | -3.44 | -3.07 | -2.05 | -1.37 | -0.55 | -0.55 | -0.37 | -0.21 |
| 21 | -1.09 | -2.04 | -1.18 | -1.70 | -2.12 | -2.71 | -2.21 | -0.79 | -0.39 | -0.39 | -0.09 | -0.27 |
| 22 | -1.23 | -1.18 | -1.20 | -2.67 | -2.10 | -2.54 | -1.81 | -0.48 | -0.06 | -0.49 | -0.30 | -0.63 |
| 23 | -2.47 | -1.53 | -2.12 | -2.81 | -1.89 | -1.47 | -0.85 | -0.16 | 0.46 | -0.05 | -0.31 | -1.11 |
| 24 | -1.58 | -2.17 | -1.42 | -2.56 | -0.83 | -0.85 | -0.97 | -0.48 | 0.38 | -0.27 | -0.78 | -1.62 |
| 25 | -1.39 | -1.61 | -1.42 | -2.25 | -0.29 | -1.00 | -0.54 | -0.14 | 0.04 | 0.10 | -0.65 | -1.96 |
| 26 | -1.54 | -0.47 | -0.07 | -0.39 | -0.59 | -1.07 | -0.53 | -0.30 | -0.42 | -0.31 | -1.50 | *--- |
| 27 | -1.10 | -1.47 | -0.80 | -0.55 | -0.30 | -1.46 | -0.55 | -0.80 | -0.73 | -0.62 | *--- | -2.17 |
| 28 | -1.31 | -1.55 | -2.04 | -1.12 | 0.12 | -1.88 | -0.67 | -0.93 | *--- | *--- | 0.61 | -1.82 |
| 29 | -0.96 | -1.62 | -1.67 | -1.13 | --- | -1.72 | -1.09 | -1.04 | -0.83 | -1.23 | -2.39 | -1.60 |
| 30 | -1.41 | -1.16 | -1.39 | -1.48 | --- | -1.28 | *--- | *--- | -1.24 | -1.58 | -2.30 | -1.80 |
| 31 | -2.17 | --- | -2.07 | -1.67 | --- | *--- | --- | -1.41 | --- | -1.88 | -2.28 | --- |
| Mean | -1.16 | -1.12 | -1.30 | -1.48 | -1.53 | -1.48 | -1.32 | -0.97 | -0.91 | -1.07 | -1.00 | -1.03 |
| Max | 0.36 | 1.00 | 0.13 | -0.39 | 0.12 | 0.33 | -0.40 | -0.14 | 0.46 | 0.10 | 0.61 | 0.13 |
| Min | -2.66 | -2.35 | -2.60 | -2.81 | -3.44 | -3.07 | -2.67 | -1.59 | -1.89 | -1.88 | -2.39 | -2.17 |

| | Calendar Year 2010 | Water Year 2011 |
|---|---|---|
| Mean | -1.17 | -1.20 |
| Max | 1.64 | 1.00 |
| Min | -3.96 | -3.44 |

**01311875 ROCKAWAY INLET NEAR FLOYD BENNETT FIELD, NY—Continued**



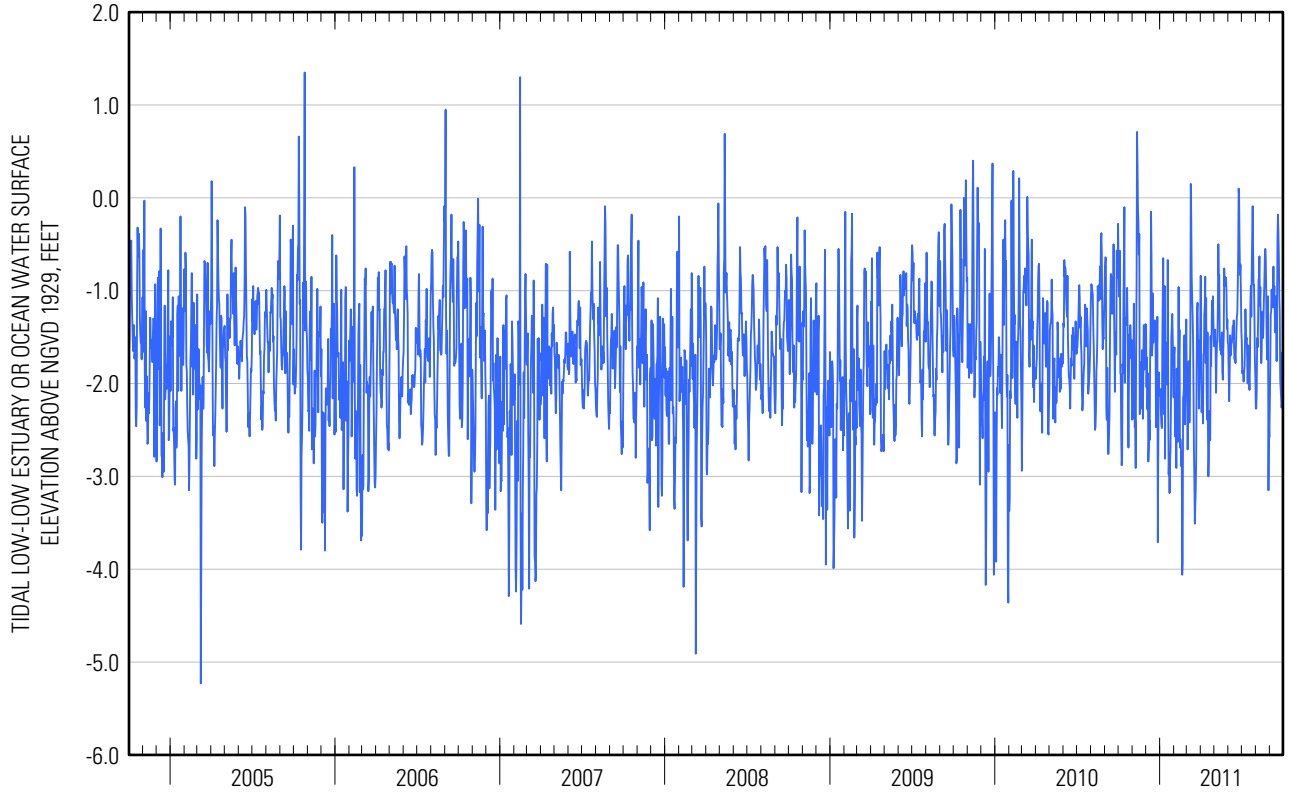
**01311875 ROCKAWAY INLET NEAR FLOYD BENNETT FIELD, NY—Continued**

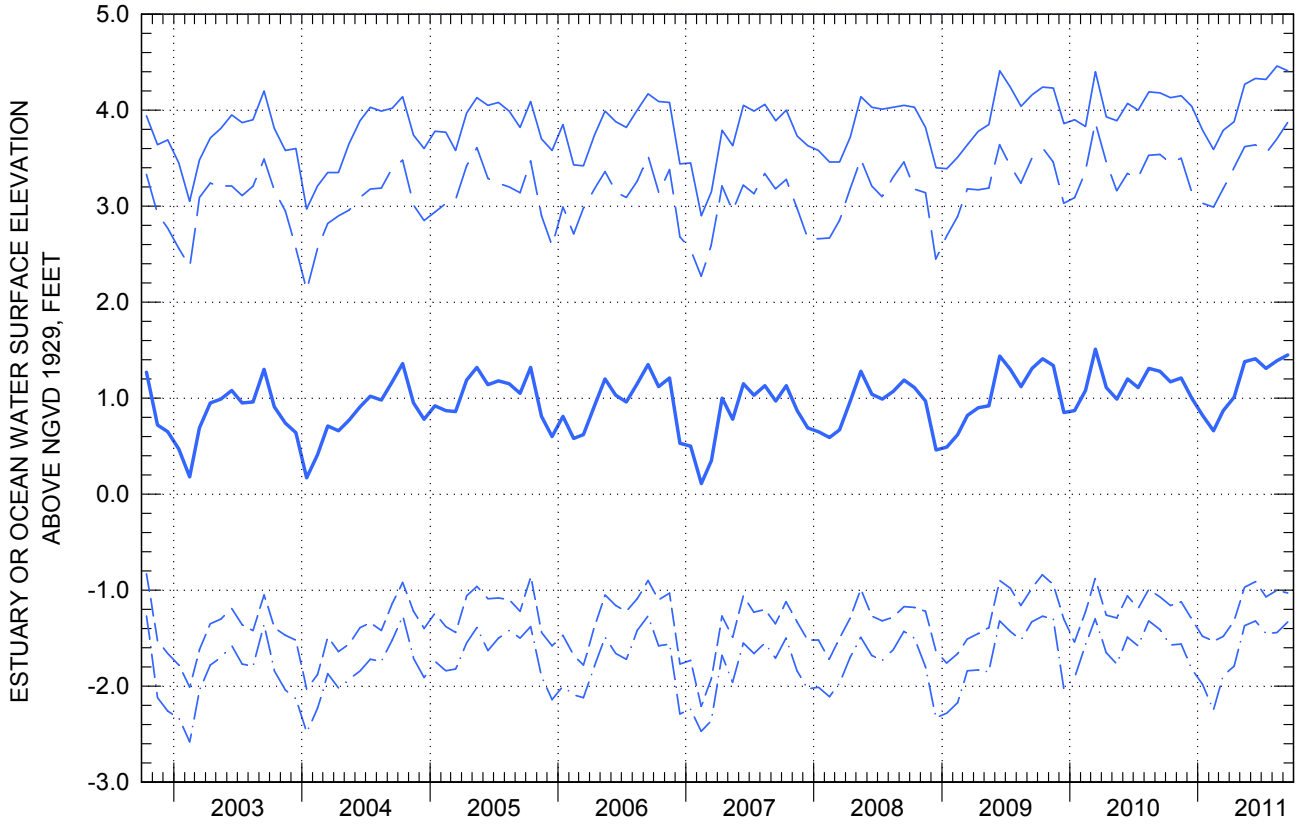
**ESTUARY OR OCEAN WATER SURFACE ELEVATION ABOVE NGVD 1929, FEET**
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**
**DAILY TIDAL LOW-LOW VALUES**

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | -0.69 | -2.30 | -1.43 | -2.13 | -1.68 | -2.03 | -0.84 | -1.60 | -1.58 | -1.56 | -2.27 | -2.23 |
| 2 | -1.06 | -2.38 | -2.04 | -2.06 | -1.61 | -2.14 | -1.87 | -1.48 | -1.91 | -1.89 | -2.27 | -1.80 |
| 3 | -0.65 | -2.09 | -1.72 | -2.33 | -2.57 | -2.71 | -2.31 | -1.42 | -2.19 | -1.86 | -2.05 | -1.26 |
| 4 | -0.57 | -1.14 | -2.28 | -2.44 | -2.37 | -2.24 | -2.16 | -1.65 | -1.93 | -1.91 | -1.51 | -1.22 |
| 5 | -1.89 | -1.96 | -1.89 | -2.48 | -2.27 | -1.76 | -2.05 | -2.10 | -1.48 | -1.98 | -1.61 | -0.99 |
| 6 | -1.90 | -2.47 | -2.84 | -1.56 | -2.91 | -1.76 | -2.43 | -1.75 | -1.70 | -1.88 | -1.34 | -1.13 |
| 7 | -2.56 | -2.40 | -2.70 | -1.03 | -1.84 | -2.42 | -1.69 | -1.57 | -1.65 | -1.82 | -0.88 | -1.00 |
| 8 | -2.88 | -2.91 | -2.39 | -0.65 | -2.39 | -2.02 | -1.67 | -1.54 | -1.56 | -1.58 | -0.87 | -1.18 |
| 9 | -2.77 | -1.59 | -2.61 | -2.23 | -2.63 | -1.47 | -1.25 | -1.18 | -1.56 | -1.20 | -0.63 | -0.74 |
| 10 | -1.79 | -0.93 | -1.70 | -2.33 | -1.65 | 0.15 | -1.16 | -0.50 | -1.47 | -1.41 | -1.16 | -1.16 |
| 11 | -1.89 | 0.71 | -1.40 | -0.95 | -0.96 | -0.22 | -0.85 | -0.84 | -1.38 | -1.53 | -0.96 | -0.95 |
| 12 | -1.09 | 0.37 | -0.15 | -2.81 | -1.72 | -0.85 | -1.78 | -0.83 | -1.52 | -1.51 | -1.54 | -1.25 |
| 13 | -0.66 | -0.11 | -0.63 | -1.76 | -1.42 | -1.06 | -1.08 | -1.43 | -1.32 | -1.76 | -1.78 | -1.45 |
| 14 | -0.10 | -0.26 | -1.70 | -1.64 | -2.69 | -1.26 | -1.96 | -1.64 | -1.64 | -2.00 | -1.66 | -1.27 |
| 15 | -1.99 | -0.61 | -1.59 | -1.56 | -2.60 | -1.52 | -2.39 | -1.64 | -1.74 | -1.59 | -1.23 | -1.06 |
| 16 | -1.30 | -0.39 | -1.03 | -2.01 | -2.65 | -2.04 | -1.45 | -1.65 | -1.68 | -1.64 | -1.27 | -1.76 |
| 17 | -1.30 | -2.33 | -1.56 | -1.90 | -2.89 | -2.73 | -2.50 | -1.69 | -1.78 | -1.93 | -1.51 | -1.15 |
| 18 | -1.37 | -2.28 | -1.40 | -0.67 | -2.73 | -3.07 | -3.00 | -1.45 | -1.60 | -2.07 | -1.31 | -0.44 |
| 19 | -1.34 | -1.77 | -1.48 | -2.26 | -4.06 | -3.51 | -2.80 | -1.88 | -1.43 | -1.79 | -1.08 | -0.18 |
| 20 | -0.97 | -2.27 | -1.32 | -2.98 | -3.93 | -3.31 | -2.30 | -1.96 | -1.28 | -1.14 | -0.89 | -0.37 |
| 21 | -1.34 | -2.23 | -1.44 | -2.81 | -2.16 | -3.14 | -2.53 | -1.64 | -1.24 | -0.95 | -0.63 | -0.63 |
| 22 | -2.13 | -1.64 | -1.48 | -3.18 | -2.12 | -2.79 | -2.61 | -1.47 | -0.96 | -1.28 | -0.55 | -1.06 |
| 23 | -2.69 | -1.69 | -2.47 | -2.84 | -2.01 | -1.85 | -1.49 | -0.76 | -0.58 | -0.78 | -0.65 | -1.25 |
| 24 | -1.97 | -2.38 | -1.47 | -2.73 | -1.48 | -1.22 | -1.81 | -0.95 | 0.10 | -0.41 | -1.01 | -1.95 |
| 25 | -1.47 | -1.79 | -1.80 | -2.27 | -2.44 | -1.13 | -1.50 | -0.85 | 0.00 | -0.09 | -1.51 | -2.06 |
| 26 | -1.67 | -1.37 | -1.28 | -1.50 | -2.03 | -1.52 | -1.11 | -0.90 | -0.49 | -0.55 | -1.74 | -2.15 |
| 27 | -1.37 | -1.85 | -3.71 | -1.37 | -1.83 | -1.54 | -1.27 | -0.86 | -0.83 | -0.94 | -1.44 | -2.26 |
| 28 | -1.51 | -1.61 | -2.73 | -1.25 | -1.31 | -2.27 | -1.06 | -1.01 | -0.72 | -0.94 | -1.06 | -2.20 |
| 29 | -1.73 | -1.77 | -1.88 | -1.49 | --- | -1.87 | -1.31 | -1.41 | -1.02 | -1.31 | -3.15 | -1.66 |
| 30 | -1.53 | -1.36 | -2.08 | -1.89 | --- | -1.81 | -1.54 | -1.31 | -1.44 | -1.77 | -2.43 | -2.06 |
| 31 | -2.39 | --- | -2.12 | -2.15 | --- | -1.39 | --- | -1.56 | --- | -1.94 | -2.58 | --- |
| Mean | -1.57 | -1.56 | -1.82 | -1.98 | -2.25 | -1.89 | -1.79 | -1.37 | -1.32 | -1.45 | -1.44 | -1.33 |
| Max | -0.10 | 0.71 | -0.15 | -0.65 | -0.96 | 0.15 | -0.84 | -0.50 | 0.10 | -0.09 | -0.55 | -0.18 |
| Min | -2.88 | -2.91 | -3.71 | -3.18 | -4.06 | -3.51 | -3.00 | -2.10 | -2.19 | -2.07 | -3.15 | -2.26 |

| | Calendar Year 2010 | Water Year 2011 |
|---|---|---|
| Mean | -1.58 | -1.64 |
| Max | 0.71 | 0.71 |
| Min | -4.36 | -4.06 |

**01311875 ROCKAWAY INLET NEAR FLOYD BENNETT FIELD, NY—Continued**




MONTHLY MEAN VALUES (BOLD) WITH MONTHLY MEAN TIDAL HIGH-HIGH (SOLID), LOW-HIGH (LONG-DASHED), HIGH-LOW (SHORT-DASHED), AND LOW-LOW (DOT-DASHED) VALUES FOR PERIOD OF RECORD.