Water-Data Report 2010

404455072520401 UNCHACHOQUE CREEK DITCH AT SHIRLEY, NY

Long Island Basin
Southern Long Island Subbasin

LOCATION.--Lat 40°44′55″, long 72°52′04″ referenced to North American Datum of 1927, Suffolk County, NY, Hydrologic Unit 02030202.

WATER-QUALITY RECORDS

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 1 of 4

[FNU, Formazin nephelometric units; LED, light-emitting diode; NTU, nephelometric turbidity unit; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/kg, micrograms per kilogram; SB, Bottom material; <, less than]

Date	Sample start time	Medium code	Barometric pressure, mm Hg (00025)	Tempera-ture, air, °C (00020)	Dissolved oxygen, water, unfiltered, mid-depth of water column, milligrams per liter (99985)	Dissolved oxygen, water, unfiltered, mid-depth of water column, percent of saturation (72210)	pH, water, mid-depth of water column, standard units (99983)	Salinity, water, unfiltered, parts per thousand (00480)	Specific conduc-tance, water, mid-depth, µS/cm at 25°C (99982)	Tempera-ture, water, mid-depth, °C (99984)
08-03-2010	**1000**	SB	758	26.7	7.8	105	6.9	21	33,200	24.7
08-10-2010	**1430**	SB	762	24.5	3.4	47.1	6.4	24	38,000	27.3
09-14-2010	**1300**	SB	757	25.6	8.7	117	7.7	30	41,400	22.4

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2010: U.S. Geological Survey Water-Data Report WDR-US-2010, site 404455072520401, accessed at http://wdr.water.usgs.gov/wy2010/pdfs/404455072520401.2010.pdf

404455072520401 UNCHACHOQUE CREEK DITCH AT SHIRLEY, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
Part 2 of 4
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Date	Sample start time	Turbidity, water, unfiltered, mid-depth of water column, broad band light source (400-680 nm), detection angle 90 +/- 30 degrees to incident light, NTU (72208)	Turbidity, water, unfiltered, mid-depth of water column, mono-chrome near infra-red LED light, 780-900 nm, detection angle 90 +/- 2.5 degrees, FNU (72209)	Allethrin, bed sediment, recover-able, dry weight, µg/kg (66588)	Bifenthrin, bed sediment, recover-able, dry weight, µg/kg (64151)	Cyfluthrin, bed sediment, recover-able, dry weight, µg/kg (65109)	Cyperme-thrin, bed sediment, recover-able, dry weight, µg/kg (64156)	Deltame-thrin, bed sediment, recover-able, dry weight, µg/kg (65110)	Esfenval-erate, bed sediment, recover-able, dry weight, µg/kg (64159)	Fenpropa-thrin, bed sediment, recover-able, dry weight, µg/kg (65111)
08-03-2010	1000	23.2	--	< .20	< .20	< .50	< .40	< .20	< .20	< .20
08-10-2010	1430	7.7	--	< .20	< .20	< .50	< .40	< .20	< .20	< .20
09-14-2010	1300	--	5.6	< .20	< .20	< .50	< .40	< .20	< .20	< .20

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
Part 3 of 4
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Date	Sample start time	lambda-Cyhalo-thrin, bed sediment, recover-able, dry weight, µg/kg (64162)	Metho-prene, bed sediment, recover-able, dry weight, µg/kg (66625)	p,p'-DDD, bed sediment, recover-able, dry weight, µg/kg (39311)	p,p'-DDE, bed sediment, recover-able, dry weight, µg/kg (39321)	p,p'-DDT, bed sediment, recover-able, dry weight, µg/kg (39301)	Perme-thrin, bed sediment, recover-able, dry weight, µg/kg (64168)	Pheno-thrin, bed sediment, recover-able, dry weight, µg/kg (65112)	Piperonyl butoxide, bed sediment, recover-able, dry weight, µg/kg (64170)	Resme-thrin, bed sediment, recover-able, dry weight, µg/kg (65113)
08-03-2010	1000	< .20	< 2.40	21.1	30.8	6.10	< .20	< .30	< 1.60	< 1.90
08-10-2010	1430	< .20	108	31.8	32.6	< 1.30	< .20	< .30	< 1.60	< 1.90
09-14-2010	1300	< .20	82.6	84.5	52.2	133	< .20	< .30	< 1.60	< 1.90

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Part 4 of 4

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Date	Sample start time	tau-Fluvalinate, bed sediment, recoverable, dry weight, µg/kg (65114)	Tefluthrin, bed sediment, recoverable, dry weight, µg/kg (67733)	Tetramethrin, bed sediment, recoverable, dry weight, µg/kg (66659)	Organic carbon, bed sediment, dry weight, percent (30243)
08-03-2010	**1000**	< .20	< .20	< .20	19
08-10-2010	**1430**	< .20	< .20	< .20	18
09-14-2010	**1300**	< .20	< .20	< .20	20