



Water-Data Report 2013

01564895 JUNIATA RIVER AT LEWISTOWN, PA

Lower Susquehanna Basin
Lower Juniata Subbasin

LOCATION.--Lat 40°35'40", long 77°34'58" referenced to North American Datum of 1927, Mifflin County, PA, Hydrologic Unit 02050304, on left bank 1,200 ft upstream from Kishacoquillas Creek.

DRAINAGE AREA.--2,519 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--1989 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 443.83 ft above National Geodetic Vertical Datum of 1929. Satellite and landline telemetry at station.

COOPERATION.--Station established and maintained by the U.S. Geological Survey. Funding for this station is provided by the Pennsylvania Department of Environmental Protection and the U.S. Geological Survey through the National Streamflow Information Program.

EXTREMES FOR PERIOD OF RECORD.--Discharge, 74,600 ft³/s, gage height, 31.68 ft, Sep 19, 2004.

PEAK DISCHARGES FOR CURRENT YEAR.--

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Date	Discharge, in ft ³ /s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Oct 30, 2012	28,000	6	17.30	---

Discharge qualification code:

6 - Discharge affected by regulation or diversion

01564895 JUNIATA RIVER AT LEWISTOWN, PA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 2008 to current year.

COOPERATION.--Station established and maintained by the U.S. Geological Survey in cooperation with the Pennsylvania Fish and Boat Commission and PPL Corporation, LLC.

REMARKS.--Analyses for pH, water temperature, specific conductance, and dissolved oxygen were performed on site. Inorganic sample analyses were performed at the Pennsylvania Department of Environmental Protection laboratory in Harrisburg, Pa. Occasionally, values for filtered parameters may exceed values for the corresponding unfiltered parameter. These results are within the limits of analytical precision and methods.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Part 1 of 7

[<, less than; E, estimated; M, presence verified but not quantified]

Date	Sample start time	Bisphenol A-d3, surrogate, Waste-water Compound Schedules (WCS), percent recovery (90735)	Deca-fluorobiphenyl, surrogate, Waste-water Compound Schedules (WCS), percent recovery (90737)	Fluoranthene-d10, surrogate, Waste-water Compound Schedules (WCS), percent recovery (90738)	1,4-Dichlorobenzene, solids, recoverable, dry weight, micro-grams per kilogram (63163)	Atrazine, solids, recoverable, dry weight, micro-grams per kilogram (63182)	Bromacil, solids, recoverable, dry weight, micro-grams per kilogram (63189)	Camphor, solids, recoverable, dry weight, micro-grams per kilogram (63192)	Carbazole, solids, recoverable, dry weight, micro-grams per kilogram (63194)	Chlorpyrifos, solids, recoverable, dry weight, micro-grams per kilogram (63195)
05-21-2013	1320	57	27	76	< 68	< 140	< 680	< 70	20	< 70

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Part 2 of 7

[<, less than; E, estimated; M, presence verified but not quantified]

Date	Sample start time	Diazinon, solids, recoverable, dry weight, micro-grams per kilogram (63198)	Metolachlor, solids, recoverable, dry weight, micro-grams per kilogram (63218)	N,N-Diethyl-m-toluamide (DEET), solids, recoverable, dry weight, micro-grams per kilogram (63219)	p-Cresol, solids, recoverable, dry weight, micro-grams per kilogram (63222)	Prometon, solids, recoverable, dry weight, micro-grams per kilogram (63226)	1-Methylnaphthalene, solids, recoverable, dry weight, micro-grams per kilogram (63165)	2,6-Dimethylnaphthalene, solids, recoverable, dry weight, micro-grams per kilogram (63167)	2-Methylnaphthalene, solids, recoverable, dry weight, micro-grams per kilogram (63168)	3-beta-Coprostanol, solids, recoverable, dry weight, micro-grams per kilogram (63170)
05-21-2013	1320	< 70	< 70	< 140	1,900	< 70	20	E 80	40	< 680

01564895 JUNIATA RIVER AT LEWISTOWN, PA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 3 of 7

[<, less than; E, estimated; M, presence verified but not quantified]

Date	Sample start time	3-Methyl-1H-indole, solids, recoverable, dry weight, micro-grams per kilogram (63171)	3-tert-Butyl-4-hydroxyanisole, solids, recoverable, dry weight, micro-grams per kilogram (63172)	4-Cumylphenol, solids, recoverable, dry weight, micro-grams per kilogram (63173)	4-n-Octylphenol, solids, recoverable, dry weight, micro-grams per kilogram (63174)	4-Nonylphenol (sum of all isomers), solids, recoverable, dry weight, micro-grams per kilogram (63175)	4-Nonylphenol diethoxylate (sum of all isomers), solids, recoverable, dry weight, micro-grams per kilogram (63200)	4-Nonylphenol monoethoxylate (sum of all isomers), solids, recoverable, dry weight, micro-grams per kilogram (63221)	4-tert-Octylphenol diethoxylate, solids, recoverable, dry weight, micro-grams per kilogram (63201)	4-tert-Octylphenol monoethoxylate, solids, recoverable, dry weight, micro-grams per kilogram (63206)
05-21-2013	1320	70	< 200	< 70	< 70	< 1,000	< 1,400	< 680	< 70	< 340

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 4 of 7

[<, less than; E, estimated; M, presence verified but not quantified]

Date	Sample start time	4-tert-Octylphenol, solids, recoverable, dry weight, micro-grams per kilogram (63176)	9,10-Anthraquinone, solids, recoverable, dry weight, micro-grams per kilogram (63181)	Acetophenone, solids, recoverable, dry weight, micro-grams per kilogram (63178)	Acetyl hexamethyl tetrahydro naphthalene, solids, recoverable, dry weight, micro-grams per kilogram (63179)	Anthracene, solids, recoverable, dry weight, micro-grams per kilogram (63180)	BDE congener 47, solids, recoverable, dry weight, micro-grams per kilogram (63166)	Benzo[a]pyrene, solids, recoverable, dry weight, micro-grams per kilogram (63183)	Benzo-phenone, solids, recoverable, dry weight, micro-grams per kilogram (63184)	beta-Sitosterol, solids, recoverable, dry weight, micro-grams per kilogram (63185)
05-21-2013	1320	< 70	96	< 200	< 70	40	< 68.0	90	< 70	E 3,800

01564895 JUNIATA RIVER AT LEWISTOWN, PA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 5 of 7

[<, less than; E, estimated; M, presence verified but not quantified]

Date	Sample start time	Beta-Stig-mastanol, solids, recoverable, dry weight, micro-grams per kilogram (63186)	Bis(2-ethylhexyl) phthalate, solids, recoverable, dry weight, micro-grams per kilogram (63187)	Bisphenol A, solids, recoverable, dry weight, micro-grams per kilogram (63188)	Cholesterol, solids, recoverable, dry weight, micro-grams per kilogram (63196)	Diethyl phthalate, solids, recoverable, dry weight, micro-grams per kilogram (63202)	D-Limonene, solids, recoverable, dry weight, micro-grams per kilogram (63203)	Fluoranthene, solids, recoverable, dry weight, micro-grams per kilogram (63208)	Hexahydro hexa-methyl cyclopenta benzo-pyran, solids, recoverable, dry weight, micro-grams per kilogram (63209)	Indole, solids, recoverable, dry weight, micro-grams per kilogram (63210)
05-21-2013	1320	E 580	< 340	E 50	E 2,600	< 140	< 70	190	M	530

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 6 of 7

[<, less than; E, estimated; M, presence verified but not quantified]

Date	Sample start time	Iso-phorone, solids, recoverable, dry weight, micro-grams per kilogram (63212)	Isopropyl-benzene, solids, recoverable, dry weight, micro-grams per kilogram (63213)	Isoquino-line, solids, recoverable, dry weight, micro-grams per kilogram (63214)	Menthol, solids, recoverable, dry weight, micro-grams per kilogram (63215)	Naphthalene, solids, recoverable, dry weight, micro-grams per kilogram (63220)	Phenanthrene, solids, recoverable, dry weight, micro-grams per kilogram (63224)	Phenol, solids, recoverable, dry weight, micro-grams per kilogram (63225)	Pyrene, solids, recoverable, dry weight, micro-grams per kilogram (63227)	Tributyl phosphate, solids, recoverable, dry weight, micro-grams per kilogram (63231)
05-21-2013	1320	M	< 140	< 140	< 70	30	100	E 140	180	< 70

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 7 of 7

[<, less than; E, estimated; M, presence verified but not quantified]

Date	Sample start time	Triclosan, solids, recoverable, dry weight, micro-grams per kilogram (63232)	Triphenyl phosphate, solids, recoverable, dry weight, micro-grams per kilogram (63234)	Tris(2-butoxyethyl) phosphate, solids, recoverable, dry weight, micro-grams per kilogram (63229)	Tris(2-chloroethyl) phosphate, solids, recoverable, dry weight, micro-grams per kilogram (63230)	Tris(dichloroisopropyl) phosphate, solids, recoverable, dry weight, micro-grams per kilogram (63235)
05-21-2013	1320	< 68.0	< 70	< 200	< 140	< 140