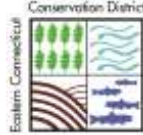


Station Old ID	tripdate	accession	run name	project_ID	StreamName/FacilityName	proximity	landmark/facility name	parameterid	labparameter	lessthan	value	site number	samplebysite	basin id	Municipality	Tripid	official coordinate	YLat	XLong	305b segment
1088	6/16/2010	8309231	Probabalistic bacteria 2010	76	Natchaug River	off Mansure Road	Behind 238 Willimantic Road (Route 6) Chaplin Kawasaki	182	ESCHERICHIA COLI	FALSE	160	16061	20618	3200	Chaplin	4005	TRUE	41.7569028	-72.152328	CT3200-00_02
1088	6/22/2010	8309427	Probabalistic bacteria 2010	76	Natchaug River	off Mansure Road	Behind 238 Willimantic Road (Route 6) Chaplin Kawasaki	182	ESCHERICHIA COLI	FALSE	110	16061	20682	3200	Chaplin	4016	TRUE	41.7569028	-72.152328	CT3200-00_02
1088	6/30/2010	8309728	Probabalistic bacteria 2010	76	Natchaug River	off Mansure Road	Behind 238 Willimantic Road (Route 6) Chaplin Kawasaki	182	ESCHERICHIA COLI	FALSE	63	16061	20912	3200	Chaplin	4038	TRUE	41.7569028	-72.152328	CT3200-00_02
1088	7/8/2010	8312081	Probabalistic bacteria 2010	76	Natchaug River	off Mansure Road	Behind 238 Willimantic Road (Route 6) Chaplin Kawasaki	182	ESCHERICHIA COLI	FALSE	52	16061	21076	3200	Chaplin	4049	TRUE	41.7569028	-72.152328	CT3200-00_02
1088	7/14/2010	8312287	Probabalistic bacteria 2010	76	Natchaug River	off Mansure Road	Behind 238 Willimantic Road (Route 6) Chaplin Kawasaki	182	ESCHERICHIA COLI	FALSE	500	16061	21210	3200	Chaplin	4063	TRUE	41.7569028	-72.152328	CT3200-00_02
1088	7/14/2010	8312277	Probabalistic bacteria 2010	76	Natchaug River	off Mansure Road	Behind 238 Willimantic Road (Route 6) Chaplin Kawasaki	182	ESCHERICHIA COLI	FALSE	500	16061	21210	3200	Chaplin	4063	TRUE	41.7569028	-72.152328	CT3200-00_02
1088	7/21/2010	8313424	Probabalistic bacteria 2010	76	Natchaug River	off Mansure Road	Behind 238 Willimantic Road (Route 6) Chaplin Kawasaki	182	ESCHERICHIA COLI	FALSE	63	16061	21338	3200	Chaplin	4080	TRUE	41.7569028	-72.152328	CT3200-00_02
1088	7/28/2010	8313974	Probabalistic bacteria 2010	76	Natchaug River	off Mansure Road	Behind 238 Willimantic Road (Route 6) Chaplin Kawasaki	182	ESCHERICHIA COLI	FALSE	85	16061	21523	3200	Chaplin	4096	TRUE	41.7569028	-72.152328	CT3200-00_02
1088	8/4/2010	8314620	Probabalistic bacteria 2010	76	Natchaug River	off Mansure Road	Behind 238 Willimantic Road (Route 6) Chaplin Kawasaki	182	ESCHERICHIA COLI	FALSE	110	16061	21695	3200	Chaplin	4112	TRUE	41.7569028	-72.152328	CT3200-00_02
1088	8/11/2010	8314843	Probabalistic bacteria 2010	76	Natchaug River	off Mansure Road	Behind 238 Willimantic Road (Route 6) Chaplin Kawasaki	182	ESCHERICHIA COLI	FALSE	110	16061	21788	3200	Chaplin	4122	TRUE	41.7569028	-72.152328	CT3200-00_02
1088	8/19/2010	8316018	Probabalistic bacteria 2010	76	Natchaug River	off Mansure Road	Behind 238 Willimantic Road (Route 6) Chaplin Kawasaki	182	ESCHERICHIA COLI	FALSE	52	16061	22002	3200	Chaplin	4140	TRUE	41.7569028	-72.152328	CT3200-00_02
1088	9/13/2010	8320232	Probabalistic bacteria 2010	76	Natchaug River	off Mansure Road	Behind 238 Willimantic Road (Route 6) Chaplin Kawasaki	182	ESCHERICHIA COLI	FALSE	63	16061	22348	3200	Chaplin	4169	TRUE	41.7569028	-72.152328	CT3200-00_02

EASTERN CONNECTICUT CONSERVATION DISTRICT, INC.

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June 1, 2020

CT DEEP

Attn: Rebecca Jascot
79 Elm Street
Hartford, CT

RE: Removal of the Natchaug River from the Impaired Waters list for Recreation in 2020

In partnership with CT DEEP, Eastern Connecticut Conservation District (ECCD) is currently developing a Healthy Watershed Implementation Plan for the Natchaug River. As part of this project, we have been assembling and reviewing existing water quality data from the watershed. This includes 10 weeks of *E. coli* data collected by DEEP in 2010 at a probabilistic monitoring site located behind 238 Willimantic Road (Route 6) in Chaplin. The *E. coli* at this site ranged from 52 MPN/100 ml to 500 MPN/100 ml and the geometric mean of the sample set is 96.6 MPN/100 ml.

In the Connecticut Water Quality Standards and Classifications, most recently updated in 2011, the following breakdown of recreational standards were included:

Designated use Recreation	Class	Indicator	Criteria
Designated Swimming	AA, A, B	<i>Escherichia coli</i>	Geometric Mean less than 126/100ml Single Sample Maximum 235/100ml
Non-designated Swimming	AA, A, B	<i>Escherichia coli</i>	Geometric Mean less than 126/100ml Single Sample Maximum 410/100ml
All Other Recreational Uses	AA, A, B	<i>Escherichia coli</i>	Geometric Mean less than 126/100ml Single Sample Maximum 576/100ml

There are no official state or local designated swimming areas in the Natchaug River, but there are multiple non-designated swimming areas in the Natchaug River that are otherwise suitable for swimming that have not been designated by State or Local authorities as bathing areas. This includes waters which support tubing and whitewater kayaking, and other recreational activities where full body contact is likely. There are several family campgrounds along the Natchaug River where tubing is a popular activity in the summer. Diana's Pool in Chaplin is a common place for whitewater kayakers to test their skills. As such, the Non-designated Swimming criteria should be used for determining the safe threshold for recreational contact, and the data collected in 2010 indicates that the Natchaug River fails to meet this threshold.

The Last Green Valley Volunteer Water Quality Monitoring Program will be collecting water samples to be evaluated for *E. coli* concentrations in 2020. For 10 weeks beginning in early June, the team will collect samples from 7 locations including Natchaug and Still Rivers and Bungee and Bigelow Brook. This more complete data set may be a better indicator of the current water quality conditions of the Natchaug River will be available prior to the 2022 Integrated Water Quality Assessment Report. As such, ECCD suggests maintaining the Natchaug River on the recreation impaired list.

With regards,

Jean Pillo, Watershed Conservation Project Manager
Eastern Connecticut Conservation District
Jean.Pillo@Comcast.net
860-774-9600 ext. 24

2020 Integrated Water Quality Assessment Report comment

Jean Pillo <Jean.Pillo@Comcast.net>

Mon 6/1/2020 3:42 PM

To: Jascot, Rebecca <Rebecca.Jascot@ct.gov>

Cc: Thomas, Eric <Eric.Thomas@ct.gov>

 2 attachments (130 KB)

ECCD comments to DEEP re delisting the Natchaug in 2020.pdf; NatchaugProbablisticMonitoringE.coli2010data.xlsx;

Hi Rebecca,

ECCD has prepared a comment on the draft 2020 Integrated Water Quality Assessment Report related to the proposed delisting of the Natchaug River as recreationally impaired. There was presentation given by Traci Iott on changing the formula for determining recreation standards, but to the best of my knowledge, those changes were never implemented. In this case, if the changes were adopted, the river would not be impaired if the highest value was discarded.

Jean Pillo, CPESC

Watershed Conservation Project Manager

Eastern Connecticut Conservation District

www.ConserveCT.org/Eastern

Thames River Basin Partnership Coordinator

The Last Green Valley Volunteer Water Quality Monitoring Coordinator

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