

# **APPENDIX G**

## **MERRIMACK RIVER WATERSHED**

(HUC8: 01070006)

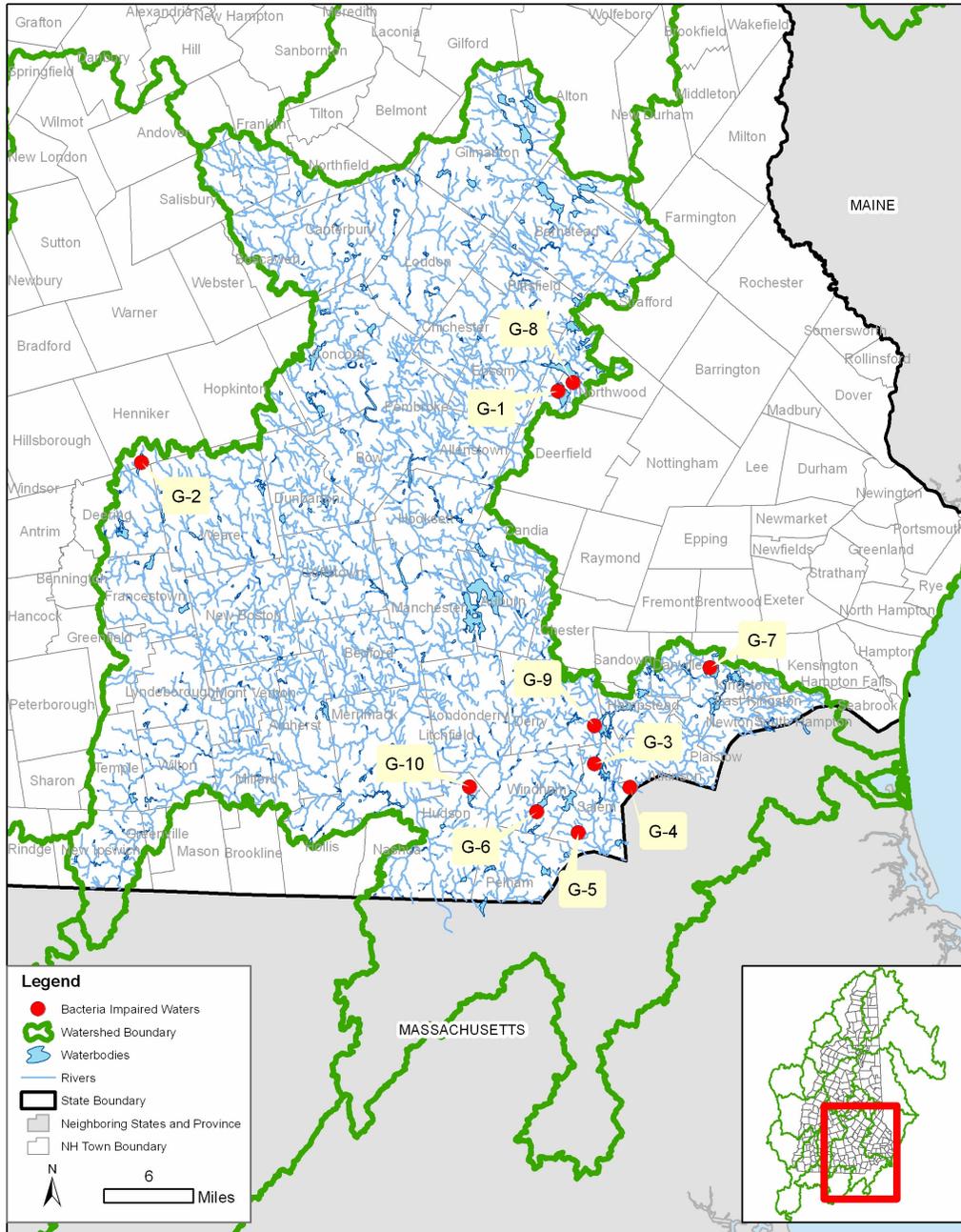
### **I. WATERSHED DESCRIPTION AND MAPS**

The Merrimack River Watershed covers an area of approximately 1,671 square miles in the southeast section of New Hampshire. A very small percentage of the watershed, including a coastal section, is located in Massachusetts. There are 71 towns located at least partially within the watershed, extending from the Massachusetts border to the northern-most town of Gilford; west to east the town boundaries are Greenfield and South Hampton, respectively. The primary watercourse in the region is the Merrimack River which is the outflow from the Franklin Falls Dam in Franklin. North of the dam the watercourse is the Pemigewasset River. Notable lakes in the area are Everett Lake, Suncook Lake, and Massabesic Lake. Much of the Merrimack River Watershed is rolling hills and urban areas with a few mountain ranges such as the Blue Hills Range on the eastern border, the Belknap Mountains to the north, and the Wapack Range along the southwest border. There is a US Military Reservation on the town intersection of New Boston, Amherst, and Mont Vernon.

Based on the 2012 303(d) list, twelve assessment units (AUs) in this watershed are listed as being impaired for bacteria. The location of the bacteria impaired surface water AUs are shown on Figure 1 as red circles. Items G1 through G10 present the percent reduction needed to meet each water quality criterion (and TMDL), based on the highest recorded bacteria measurement that exceeds the criterion for the AU, as well as the bacteria data collected in the impaired AUID that was used to list the AU as impaired on the 2012 303(d) list.

**FIGURE 1:**

### Merrimack River Watershed HUC 8 Watershed ID Number 01070006



## II. WATER QUALITY DATA TABLES

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## G1: Pleasant Lake – Veasey Park

AUID NHLAK700060502-09-02

**Characteristics:** freshwater, class A, designated beach, primary contact recreation.

**Impairment:** *E coli*

### Water Quality Criteria & TMDL for *E coli*

Single sample: 88 CTS/100MI

Geometric mean: 47 CTS/100mL

### Percent reduction to meet TMDL:

Single sample: 65%

Geometric mean: complies

**Data:** NHDES EMD, 2012 303(d)

#### Single sample *E coli* results (CTS/100ML)

Station Name	Station ID	Date	Result
PLEASANT LAKE – VEASEY PARK	BCHVPKDEECCR	07/24/06	2
PLEASANT LAKE – VEASEY PARK	BCHVPKDEECCR	08/07/06	4
PLEASANT LAKE – VEASEY PARK	BCHVPKDEECCR	07/25/07	6
PLEASANT LAKE – VEASEY PARK	BCHVPKDEECCR	08/14/07	8
PLEASANT LAKE – VEASEY PARK	BCHVPKDEECCR	07/07/08	0
PLEASANT LAKE – VEASEY PARK	BCHVPKDEECCR	07/28/08	4
PLEASANT LAKE – VEASEY PARK	BCHVPKDEECCR	08/13/08	2
PLEASANT LAKE – VEASEY PARK	BCHVPKDEECCR	07/22/09	2
PLEASANT LAKE – VEASEY PARK	BCHVPKDEECCR	08/17/09	1
PLEASANT LAKE – VEASEY PARK	BCHVPKDEECCR	06/30/10	4
PLEASANT LAKE – VEASEY PARK	BCHVPKDEECCR	07/28/10	22
PLEASANT LAKE – VEASEY PARK	BCHVPKDEECCR	08/23/10	220
PLEASANT LAKE – VEASEY PARK	BCHVPKDEECCR	08/25/10	4
PLEASANT LAKE – VEASEY PARK	BCHVPKDEECCR	07/25/11	12
PLEASANT LAKE – VEASEY PARK	BCHVPKDEECCR	08/16/11	6
PLEASANT LAKE – VEASEY PARK	BCHVPKDEELF	07/24/01	5
PLEASANT LAKE – VEASEY PARK	BCHVPKDEELF	08/22/01	14
PLEASANT LAKE – VEASEY PARK	BCHVPKDEELF	07/17/02	1
PLEASANT LAKE – VEASEY PARK	BCHVPKDEELF	08/05/02	0
PLEASANT LAKE – VEASEY PARK	BCHVPKDEELF	07/15/03	4
PLEASANT LAKE – VEASEY PARK	BCHVPKDEELF	08/13/03	6
PLEASANT LAKE – VEASEY PARK	BCHVPKDEELF	06/29/04	1
PLEASANT LAKE – VEASEY PARK	BCHVPKDEELF	08/18/04	1
PLEASANT LAKE – VEASEY PARK	BCHVPKDEELF	06/30/05	6
PLEASANT LAKE – VEASEY PARK	BCHVPKDEELF	07/21/05	2
PLEASANT LAKE – VEASEY PARK	BCHVPKDEELF	08/03/05	2
PLEASANT LAKE – VEASEY PARK	BCHVPKDEELF	07/06/06	1
PLEASANT LAKE – VEASEY PARK	BCHVPKDEELF	07/24/06	4
PLEASANT LAKE – VEASEY PARK	BCHVPKDEELF	08/07/06	2
PLEASANT LAKE – VEASEY PARK	BCHVPKDEELF	07/25/07	1
PLEASANT LAKE – VEASEY PARK	BCHVPKDEELF	08/14/07	1
PLEASANT LAKE – VEASEY PARK	BCHVPKDEELF	07/07/08	2
PLEASANT LAKE – VEASEY PARK	BCHVPKDEELF	07/28/08	2
PLEASANT LAKE – VEASEY PARK	BCHVPKDEELF	08/13/08	60
PLEASANT LAKE – VEASEY PARK	BCHVPKDEELF	07/22/09	4
PLEASANT LAKE – VEASEY PARK	BCHVPKDEELF	08/17/09	1

PLEASANT LAKE – VEASEY PARK	BCHVPKDEELF	06/30/10	2
PLEASANT LAKE – VEASEY PARK	BCHVPKDEELF	07/28/10	1
PLEASANT LAKE – VEASEY PARK	BCHVPKDEELF	08/23/10	4
PLEASANT LAKE – VEASEY PARK	BCHVPKDEELF	08/25/10	21
PLEASANT LAKE – VEASEY PARK	BCHVPKDEELF	07/25/11	2
PLEASANT LAKE – VEASEY PARK	BCHVPKDEELF	08/16/11	1
PLEASANT LAKE – VEASEY PARK	BCHVPKDEERT	07/24/01	5
PLEASANT LAKE – VEASEY PARK	BCHVPKDEERT	08/22/01	10
PLEASANT LAKE – VEASEY PARK	BCHVPKDEERT	07/17/02	4
PLEASANT LAKE – VEASEY PARK	BCHVPKDEERT	08/05/02	1
PLEASANT LAKE – VEASEY PARK	BCHVPKDEERT	07/15/03	8
PLEASANT LAKE – VEASEY PARK	BCHVPKDEERT	08/13/03	1
PLEASANT LAKE – VEASEY PARK	BCHVPKDEERT	06/29/04	4
PLEASANT LAKE – VEASEY PARK	BCHVPKDEERT	08/18/04	2
PLEASANT LAKE – VEASEY PARK	BCHVPKDEERT	06/30/05	2
PLEASANT LAKE – VEASEY PARK	BCHVPKDEERT	07/21/05	4
PLEASANT LAKE – VEASEY PARK	BCHVPKDEERT	08/03/05	2
PLEASANT LAKE – VEASEY PARK	BCHVPKDEERT	07/06/06	1
PLEASANT LAKE – VEASEY PARK	BCHVPKDEERT	07/24/06	10
PLEASANT LAKE – VEASEY PARK	BCHVPKDEERT	08/07/06	6
PLEASANT LAKE – VEASEY PARK	BCHVPKDEERT	07/25/07	4
PLEASANT LAKE – VEASEY PARK	BCHVPKDEERT	08/14/07	19
PLEASANT LAKE – VEASEY PARK	BCHVPKDEERT	07/07/08	1
PLEASANT LAKE – VEASEY PARK	BCHVPKDEERT	07/28/08	2
PLEASANT LAKE – VEASEY PARK	BCHVPKDEERT	08/13/08	6
PLEASANT LAKE – VEASEY PARK	BCHVPKDEERT	07/22/09	2
PLEASANT LAKE – VEASEY PARK	BCHVPKDEERT	08/17/09	1
PLEASANT LAKE – VEASEY PARK	BCHVPKDEERT	06/30/10	1
PLEASANT LAKE – VEASEY PARK	BCHVPKDEERT	07/28/10	1
PLEASANT LAKE – VEASEY PARK	BCHVPKDEERT	08/23/10	250
PLEASANT LAKE – VEASEY PARK	BCHVPKDEERT	08/25/10	10
PLEASANT LAKE – VEASEY PARK	BCHVPKDEERT	07/25/11	1
PLEASANT LAKE – VEASEY PARK	BCHVPKDEERT	08/16/11	2

Shaded cells indicate exceedance of water quality criteria

**Geometric mean *E. coli* results (CTS/100ML)**

<b>Station Name</b>	<b>Date</b>	<b>Result</b>
PLEASANT LAKE – VEASEY PARK	8/22/01	7.69
PLEASANT LAKE – VEASEY PARK	8/5/02	2.11
PLEASANT LAKE – VEASEY PARK	8/13/03	3.72
PLEASANT LAKE – VEASEY PARK	8/18/04	1.68
PLEASANT LAKE – VEASEY PARK	8/3/05	2.70
PLEASANT LAKE – VEASEY PARK	8/7/06	2.81
PLEASANT LAKE – VEASEY PARK	8/14/07	3.92
PLEASANT LAKE – VEASEY PARK	8/13/08	3.65
PLEASANT LAKE – VEASEY PARK	8/17/09	1.59
PLEASANT LAKE – VEASEY PARK	8/25/10	7.52
PLEASANT LAKE – VEASEY PARK	8/16/11	2.57

Shaded cells indicate exceedance of water quality criteria

## G2: Pleasant Lake – Public Access

AUID NHLAK700060601-03-02

**Characteristics:** freshwater, class B designation, designated beach, primary contact recreation.

**Impairment:** *E coli*

**Water Quality Criteria & TMDL for *E coli***

Single sample: 88 CTS/100MI

Geometric mean: 47 CTS/100mL

**Percent reduction to meet TMDL:**

Single sample: 78%

Geometric mean: in compliance

**Data:** NHDES EMD, 2012 303(d)

### Single sample *E coli* results (CTS/100ML)

Station Name	Station ID	Date	Result
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENLF	08/08/01	36
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENLF	07/08/02	10
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENLF	08/07/02	4
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENLF	06/27/03	66
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENLF	07/22/03	1
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENLF	06/25/04	1
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENLF	07/26/04	2
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENLF	08/16/04	44
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENLF	07/05/05	4
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENLF	08/04/05	1
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENLF	09/01/05	1
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENLF	07/12/06	66
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENLF	07/31/06	14
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENLF	08/16/06	1
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENLF	06/27/07	1
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENLF	07/17/07	1
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENLF	08/07/07	8
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENLF	06/26/08	12
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENLF	08/04/08	28
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENLF	08/28/08	2
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENLF	07/09/09	22
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENLF	07/31/09	4
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENLF	08/28/09	2
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENLF	07/15/10	2
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENLF	08/06/10	4
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENLF	08/09/10	2
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENLF	08/11/10	1
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENLF	09/03/10	1
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENLF	07/08/11	6
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENLF	08/02/11	8
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENRT	08/08/01	21
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENRT	07/08/02	13
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENRT	08/07/02	1
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENRT	06/27/03	51
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENRT	07/22/03	1

PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENRT	06/25/04	2
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENRT	07/26/04	0
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENRT	08/16/04	4
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENRT	07/05/05	6
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENRT	08/04/05	1
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENRT	09/01/05	4
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENRT	07/12/06	32
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENRT	07/31/06	18
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENRT	08/16/06	1
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENRT	06/27/07	84
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENRT	07/17/07	1
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENRT	08/07/07	6
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENRT	06/26/08	13
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENRT	08/04/08	12
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENRT	08/28/08	1
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENRT	07/09/09	75
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENRT	07/31/09	4
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENRT	08/28/09	4
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENRT	07/15/10	2
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENRT	08/06/10	310
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENRT	08/09/10	400
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENRT	08/11/10	2
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENRT	09/03/10	1
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENRT	07/08/11	16
PLEASANT LAKE – PUBLIC ACCESS	BCHPLSHENRT	08/02/11	2

Shaded cells indicate exceedance of water quality criteria

**Geometric mean *E. coli* results (CTS/100ML)**

<b>Station Name</b>	<b>Date</b>	<b>Result</b>
PLEASANT LAKE – PUBLIC ACCESS	8/7/02	4.77
PLEASANT LAKE – PUBLIC ACCESS	7/22/03	7.62
PLEASANT LAKE – PUBLIC ACCESS	8/16/04	3.90
PLEASANT LAKE – PUBLIC ACCESS	9/1/05	2.14
PLEASANT LAKE – PUBLIC ACCESS	8/16/06	9.00
PLEASANT LAKE – PUBLIC ACCESS	8/7/07	3.99
PLEASANT LAKE – PUBLIC ACCESS	8/4/08	15.13
PLEASANT LAKE – PUBLIC ACCESS	8/28/08	5.09
PLEASANT LAKE – PUBLIC ACCESS	8/28/09	7.72
PLEASANT LAKE – PUBLIC ACCESS	9/3/10	4.90
PLEASANT LAKE – PUBLIC ACCESS	8/2/11	6.26

### G3: Arlington Mill Reservoir – Arlington Pond Improvement Association

**AUID** NHLAK700061101-04-03

**Characteristics:** freshwater, class B designation, designated beach, primary contact recreation.

**Impairment:** *E coli*

**Water Quality Criteria & TMDL for *E coli***

Single sample: 88 CTS/100Ml

Geometric mean: 47 CTS/100mL

**Percent reduction to meet TMDL:**

Single sample: 78%

Geometric mean: 56%

**Data:** NHDES EMD, 2012 303(d)

**Single sample *E coli* results (CTS/100ML)**

Station Name	Station ID	Date	Result
ARLINGTON MILL RESERVOIR – ARLINGTON POND IMPROVEMENT ASSOCIATION	BCHAPISALLF	08/05/09	13
ARLINGTON MILL RESERVOIR – ARLINGTON POND IMPROVEMENT ASSOCIATION	BCHAPISALLF	06/02/10	22
ARLINGTON MILL RESERVOIR – ARLINGTON POND IMPROVEMENT ASSOCIATION	BCHAPISALLF	07/06/10	400
ARLINGTON MILL RESERVOIR – ARLINGTON POND IMPROVEMENT ASSOCIATION	BCHAPISALLF	07/08/10	30
ARLINGTON MILL RESERVOIR – ARLINGTON POND IMPROVEMENT ASSOCIATION	BCHAPISALLF	08/03/10	2
ARLINGTON MILL RESERVOIR – ARLINGTON POND IMPROVEMENT ASSOCIATION	BCHAPISALLF	06/07/11	72
ARLINGTON MILL RESERVOIR – ARLINGTON POND IMPROVEMENT ASSOCIATION	BCHAPISALLF	07/06/11	58
ARLINGTON MILL RESERVOIR – ARLINGTON POND IMPROVEMENT ASSOCIATION	BCHAPISALLF	08/04/11	400
ARLINGTON MILL RESERVOIR – ARLINGTON POND IMPROVEMENT ASSOCIATION	BCHAPISALLF	08/08/11	24
ARLINGTON MILL RESERVOIR – ARLINGTON POND IMPROVEMENT ASSOCIATION	BCHAPISALRT	08/05/09	10
ARLINGTON MILL RESERVOIR – ARLINGTON POND IMPROVEMENT ASSOCIATION	BCHAPISALRT	06/02/10	11
ARLINGTON MILL RESERVOIR – ARLINGTON POND IMPROVEMENT ASSOCIATION	BCHAPISALRT	07/06/10	400
ARLINGTON MILL RESERVOIR – ARLINGTON POND IMPROVEMENT ASSOCIATION	BCHAPISALRT	07/08/10	40
ARLINGTON MILL RESERVOIR – ARLINGTON POND IMPROVEMENT ASSOCIATION	BCHAPISALRT	08/03/10	1
ARLINGTON MILL RESERVOIR – ARLINGTON POND IMPROVEMENT ASSOCIATION	BCHAPISALRT	06/07/11	42
ARLINGTON MILL RESERVOIR – ARLINGTON POND IMPROVEMENT ASSOCIATION	BCHAPISALRT	07/06/11	56
ARLINGTON MILL RESERVOIR – ARLINGTON POND IMPROVEMENT ASSOCIATION	BCHAPISALRT	08/04/11	400
ARLINGTON MILL RESERVOIR – ARLINGTON POND IMPROVEMENT ASSOCIATION	BCHAPISALRT	08/08/11	64

Shaded cells indicate exceedance of water quality criteria

**Geometric mean *E. coli* results (CTS/100ML)**

<b>Station Name</b>	<b>Date</b>	<b>Result</b>
ARLINGTON MILL RESERVOIR – ARLINGTON POND IMPROVEMENT ASSOCIATION	7/8/10	59.96
ARLINGTON MILL RESERVOIR – ARLINGTON POND IMPROVEMENT ASSOCIATION	8/3/10	26.96
ARLINGTON MILL RESERVOIR – ARLINGTON POND IMPROVEMENT ASSOCIATION	8/4/11	107.83
ARLINGTON MILL RESERVOIR – ARLINGTON POND IMPROVEMENT ASSOCIATION	8/8/11	96.31

Shaded cells indicate exceedance of water quality criteria

**G4: Captain Pond – Camp Hadar**

**AUID** NHLAK700061101-04-03

**Characteristics:** freshwater, class B designation, designated beach, primary contact recreation.

**Impairment:** *E coli*

**Water Quality Criteria & TMDL for *E coli***

Single sample: 88 CTS/100MI

Geometric mean: 47 CTS/100mL

**Percent reduction to meet TMDL:**

Single sample: 78%

Geometric mean: no data

**Data:** NHDES EMD, 2012 303(d)

**Single sample *E coli* results (CTS/100ML)**

<b>Station Name</b>	<b>Station ID</b>	<b>Date</b>	<b>Result</b>
CAPTAIN POND – CAMP HADAR	BCHJCDSALLF	08/01/02	1
CAPTAIN POND – CAMP HADAR	BCHJCDSALLF	08/11/03	20
CAPTAIN POND – CAMP HADAR	BCHJCDSALLF	08/04/04	36
CAPTAIN POND – CAMP HADAR	BCHJCDSALLF	07/13/05	12
CAPTAIN POND – CAMP HADAR	BCHJCDSALLF	07/17/06	24
CAPTAIN POND – CAMP HADAR	BCHJCDSALLF	08/20/09	8
CAPTAIN POND – CAMP HADAR	BCHJCDSALLF	08/17/10	270
CAPTAIN POND – CAMP HADAR	BCHJCDSALLF	07/27/11	10
CAPTAIN POND – CAMP HADAR	BCHJCDSALRT	08/01/02	1
CAPTAIN POND – CAMP HADAR	BCHJCDSALRT	08/11/03	15
CAPTAIN POND – CAMP HADAR	BCHJCDSALRT	08/04/04	14
CAPTAIN POND – CAMP HADAR	BCHJCDSALRT	07/13/05	30
CAPTAIN POND – CAMP HADAR	BCHJCDSALRT	07/17/06	50
CAPTAIN POND – CAMP HADAR	BCHJCDSALRT	08/20/09	8
CAPTAIN POND – CAMP HADAR	BCHJCDSALRT	08/17/10	400
CAPTAIN POND – CAMP HADAR	BCHJCDSALRT	07/27/11	14

Shaded cells indicate exceedance of water quality criteria

## G5: Hedgehog Pond – Town Beach

AUID NHLAK700061102-13

**Characteristics:** freshwater, class B designation, designated beach, primary contact recreation.

**Impairment:** *E coli*

**Water Quality Criteria & TMDL for *E coli***

Single sample: 88 CTS/100ML

Geometric mean: 47 CTS/100mL

**Percent reduction to meet TMDL:**

Single sample: 78%

Geometric mean: 76%

**Data:** NHDES EMD, 2012 303(d)

### Single sample *E coli* results (CTS/100ML)

Station Name	Station ID	Date	Result
HEDGEHOG POND - TOWN BEACH	BCHHEDSALLF	07/02/07	88
HEDGEHOG POND - TOWN BEACH	BCHHEDSALLF	08/01/07	400
HEDGEHOG POND - TOWN BEACH	BCHHEDSALLF	06/04/08	52
HEDGEHOG POND - TOWN BEACH	BCHHEDSALLF	07/02/08	50
HEDGEHOG POND - TOWN BEACH	BCHHEDSALLF	07/07/08	4
HEDGEHOG POND - TOWN BEACH	BCHHEDSALLF	08/06/08	36
HEDGEHOG POND - TOWN BEACH	BCHHEDSALLF	06/03/09	16
HEDGEHOG POND - TOWN BEACH	BCHHEDSALRT	07/01/09	2
HEDGEHOG POND - TOWN BEACH	BCHHEDSALRT	08/05/09	1
HEDGEHOG POND - TOWN BEACH	BCHHEDSALRT	06/02/10	34
HEDGEHOG POND - TOWN BEACH	BCHHEDSALRT	07/06/10	88
HEDGEHOG POND - TOWN BEACH	BCHHEDSALRT	07/08/10	2
HEDGEHOG POND - TOWN BEACH	BCHHEDSALRT	07/12/10	59
HEDGEHOG POND - TOWN BEACH	BCHHEDSALRT	07/15/10	4
HEDGEHOG POND - TOWN BEACH	BCHHEDSALRT	07/19/10	46
HEDGEHOG POND - TOWN BEACH	BCHHEDSALRT	07/22/10	10
HEDGEHOG POND - TOWN BEACH	BCHHEDSALRT	07/28/10	40
HEDGEHOG POND - TOWN BEACH	BCHHEDSALRT	08/03/10	400
HEDGEHOG POND - TOWN BEACH	BCHHEDSALRT	08/06/10	400
HEDGEHOG POND - TOWN BEACH	BCHHEDSALRT	06/07/11	400
HEDGEHOG POND - TOWN BEACH	BCHHEDSALRT	07/06/11	100
HEDGEHOG POND - TOWN BEACH	BCHHEDSALRT	08/04/11	290
HEDGEHOG POND - TOWN BEACH	BCHHEDSALRT	07/02/07	200
HEDGEHOG POND - TOWN BEACH	BCHHEDSALRT	08/01/07	98
HEDGEHOG POND - TOWN BEACH	BCHHEDSALRT	06/04/08	400
HEDGEHOG POND - TOWN BEACH	BCHHEDSALRT	07/02/08	78
HEDGEHOG POND - TOWN BEACH	BCHHEDSALRT	07/07/08	2
HEDGEHOG POND - TOWN BEACH	BCHHEDSALRT	08/06/08	30
HEDGEHOG POND - TOWN BEACH	BCHHEDSALRT	06/03/09	13

Shaded cells indicate exceedance of water quality criteria

### Geometric mean *E. coli* results (CTS/100ML)

Station Name	Date	Result
HEDGEHOG POND – TOWN BEACH	08/01/07	1.86
HEDGEHOG POND – TOWN BEACH	07/07/08	17.94

HEDGEHOG POND – TOWN BEACH	08/06/08	20.97
HEDGEHOG POND – TOWN BEACH	07/01/09	12.29
HEDGEHOG POND – TOWN BEACH	08/05/09	26.77
HEDGEHOG POND – TOWN BEACH	07/28/10	184.18
HEDGEHOG POND – TOWN BEACH	08/06/10	192.90
HEDGEHOG POND – TOWN BEACH	08/04/11	11.039

## G6: Cobbetts Pond – Town Beach

AUID NHLAK700061204-01-03

**Characteristics:** freshwater, class B designation, designated beach, primary contact recreation.

**Impairment:** *E coli*

**Water Quality Criteria & TMDL for *E coli***

Single sample: 88 CTS/100ML

Geometric mean: 47 CTS/100mL

**Percent reduction to meet TMDL:**

Single sample: 78%

Geometric mean: 33%

**Data:** NHDES EMD, 2012 303(d)

### Single sample *E coli* results (CTS/100ML)

Station Name	Station ID	Date	Result
COBBETTS POND - TOWN BEACH	BCHCOBWINF	07/23/01	14
COBBETTS POND - TOWN BEACH	BCHCOBWINF	07/12/02	27
COBBETTS POND - TOWN BEACH	BCHCOBWINF	08/14/02	4
COBBETTS POND - TOWN BEACH	BCHCOBWINF	07/18/03	6
COBBETTS POND - TOWN BEACH	BCHCOBWINF	08/04/03	88
COBBETTS POND - TOWN BEACH	BCHCOBWINF	08/06/03	20
COBBETTS POND - TOWN BEACH	BCHCOBWINF	07/19/04	6
COBBETTS POND - TOWN BEACH	BCHCOBWINF	08/09/04	1
COBBETTS POND - TOWN BEACH	BCHCOBWINF	08/18/04	14
COBBETTS POND - TOWN BEACH	BCHCOBWINF	07/05/05	7
COBBETTS POND - TOWN BEACH	BCHCOBWINF	07/26/05	90
COBBETTS POND - TOWN BEACH	BCHCOBWINF	08/15/05	14
COBBETTS POND - TOWN BEACH	BCHCOBWINF	07/03/06	16
COBBETTS POND - TOWN BEACH	BCHCOBWINF	08/04/06	20
COBBETTS POND - TOWN BEACH	BCHCOBWINF	08/21/06	38
COBBETTS POND - TOWN BEACH	BCHCOBWINF	06/22/07	8
COBBETTS POND - TOWN BEACH	BCHCOBWINF	07/20/07	4
COBBETTS POND - TOWN BEACH	BCHCOBWINF	08/10/07	10
COBBETTS POND - TOWN BEACH	BCHCOBWINF	06/23/08	2
COBBETTS POND - TOWN BEACH	BCHCOBWINF	07/18/08	4
COBBETTS POND - TOWN BEACH	BCHCOBWINF	08/08/08	8
COBBETTS POND - TOWN BEACH	BCHCOBWINF	06/19/09	4
COBBETTS POND - TOWN BEACH	BCHCOBWINF	07/10/09	1
COBBETTS POND - TOWN BEACH	BCHCOBWINF	08/07/09	36
COBBETTS POND - TOWN BEACH	BCHCOBWINF	06/25/10	56
COBBETTS POND - TOWN BEACH	BCHCOBWINF	06/28/10	12
COBBETTS POND - TOWN BEACH	BCHCOBWINF	07/16/10	68
COBBETTS POND - TOWN BEACH	BCHCOBWINF	07/19/10	170
COBBETTS POND - TOWN BEACH	BCHCOBWINF	07/22/10	82
COBBETTS POND - TOWN BEACH	BCHCOBWINF	07/26/10	400
COBBETTS POND - TOWN BEACH	BCHCOBWINF	07/29/10	28
COBBETTS POND - TOWN BEACH	BCHCOBWINF	08/13/10	54
COBBETTS POND - TOWN BEACH	BCHCOBWINF	07/07/11	120
COBBETTS POND - TOWN BEACH	BCHCOBWINF	07/09/11	140
COBBETTS POND - TOWN BEACH	BCHCOBWINF	07/11/11	38.4
COBBETTS POND - TOWN BEACH	BCHCOBWINF	08/11/11	69.7

COBBETTS POND - TOWN BEACH	BCHCOBWINRT	07/23/01	28
COBBETTS POND - TOWN BEACH	BCHCOBWINRT	07/12/02	7
COBBETTS POND - TOWN BEACH	BCHCOBWINRT	08/14/02	4
COBBETTS POND - TOWN BEACH	BCHCOBWINRT	07/18/03	12
COBBETTS POND - TOWN BEACH	BCHCOBWINRT	08/04/03	64
COBBETTS POND - TOWN BEACH	BCHCOBWINRT	08/06/03	30
COBBETTS POND - TOWN BEACH	BCHCOBWINRT	07/19/04	34
COBBETTS POND - TOWN BEACH	BCHCOBWINRT	08/09/04	1
COBBETTS POND - TOWN BEACH	BCHCOBWINRT	07/05/05	24
COBBETTS POND - TOWN BEACH	BCHCOBWINRT	07/26/05	26
COBBETTS POND - TOWN BEACH	BCHCOBWINRT	08/15/05	48
COBBETTS POND - TOWN BEACH	BCHCOBWINRT	07/03/06	8
COBBETTS POND - TOWN BEACH	BCHCOBWINRT	08/04/06	6
COBBETTS POND - TOWN BEACH	BCHCOBWINRT	08/21/06	16
COBBETTS POND - TOWN BEACH	BCHCOBWINRT	06/22/07	44
COBBETTS POND - TOWN BEACH	BCHCOBWINRT	07/20/07	6
COBBETTS POND - TOWN BEACH	BCHCOBWINRT	08/10/07	12
COBBETTS POND - TOWN BEACH	BCHCOBWINRT	06/23/08	8
COBBETTS POND - TOWN BEACH	BCHCOBWINRT	07/18/08	2
COBBETTS POND - TOWN BEACH	BCHCOBWINRT	08/08/08	2
COBBETTS POND - TOWN BEACH	BCHCOBWINRT	06/19/09	54
COBBETTS POND - TOWN BEACH	BCHCOBWINRT	07/10/09	10
COBBETTS POND - TOWN BEACH	BCHCOBWINRT	08/07/09	48
COBBETTS POND - TOWN BEACH	BCHCOBWINRT	06/25/10	190
COBBETTS POND - TOWN BEACH	BCHCOBWINRT	06/28/10	6
COBBETTS POND - TOWN BEACH	BCHCOBWINRT	07/16/10	140
COBBETTS POND - TOWN BEACH	BCHCOBWINRT	07/19/10	210
COBBETTS POND - TOWN BEACH	BCHCOBWINRT	07/22/10	120
COBBETTS POND - TOWN BEACH	BCHCOBWINRT	07/26/10	260
COBBETTS POND - TOWN BEACH	BCHCOBWINRT	07/29/10	20
COBBETTS POND - TOWN BEACH	BCHCOBWINRT	08/13/10	12
COBBETTS POND - TOWN BEACH	BCHCOBWINRT	07/07/11	120
COBBETTS POND - TOWN BEACH	BCHCOBWINRT	07/09/11	140
COBBETTS POND - TOWN BEACH	BCHCOBWINRT	07/11/11	10.8

Shaded cells indicate exceedance of water quality criteria

**Geometric mean *E. coli* results (CTS/100ML)**

<b>Station Name</b>	<b>Date</b>	<b>Result</b>
COBBETTS POND	8/14/02	7.41559
COBBETTS POND	8/6/03	24.98567
COBBETTS POND	8/18/04	4.91079
COBBETTS POND	8/15/05	25.33081
COBBETTS POND	8/21/06	14.51162
COBBETTS POND	8/10/07	10.0228
COBBETTS POND	8/8/08	3.56359
COBBETTS POND	8/7/09	12.45469
COBBETTS POND	8/13/10	64.80159
COBBETTS POND	8/11/11	69.90612

Shaded cells indicate exceedance of water quality criteria

**G7: Great Pond - Camp Lincoln Beach**

AUID NHLAK700061403-06-04

**Characteristics:** freshwater, class B designation, designated beach, primary contact recreation.

**Impairment:** *E coli*

**Water Quality Criteria & TMDL for *E coli***

Single sample: 88 CTS/100ML

Geometric mean: 47 CTS/100mL

**Percent reduction to meet TMDL:**

Single sample: 78%

Geometric mean: in compliance

**Data:** NHDES EMD, 2012 303(d)

**Single sample *E coli* results (CTS/100ML)**

Station Name	Station ID	Date	Result
GREAT POND - CAMP LINCOLN BEACH	BCHLINKINLF	07/11/02	6
GREAT POND - CAMP LINCOLN BEACH	BCHLINKINLF	07/29/03	6
GREAT POND - CAMP LINCOLN BEACH	BCHLINKINLF	07/06/04	400
GREAT POND - CAMP LINCOLN BEACH	BCHLINKINLF	07/09/04	8
GREAT POND - CAMP LINCOLN BEACH	BCHLINKINLF	07/11/05	4
GREAT POND - CAMP LINCOLN BEACH	BCHLINKINLF	07/25/06	34
GREAT POND - CAMP LINCOLN BEACH	BCHLINKINLF	06/27/07	6
GREAT POND - CAMP LINCOLN BEACH	BCHLINKINLF	07/08/08	250
GREAT POND - CAMP LINCOLN BEACH	BCHLINKINLF	07/11/08	2
GREAT POND - CAMP LINCOLN BEACH	BCHLINKINLF	07/27/09	8
GREAT POND - CAMP LINCOLN BEACH	BCHLINKINLF	06/24/10	180
GREAT POND - CAMP LINCOLN BEACH	BCHLINKINLF	06/28/10	4
GREAT POND - CAMP LINCOLN BEACH	BCHLINKINLF	07/27/11	2
GREAT POND - CAMP LINCOLN BEACH	BCHLINKINRT	07/11/02	8
GREAT POND - CAMP LINCOLN BEACH	BCHLINKINRT	07/29/03	1
GREAT POND - CAMP LINCOLN BEACH	BCHLINKINRT	07/06/04	2
GREAT POND - CAMP LINCOLN BEACH	BCHLINKINRT	07/09/04	15
GREAT POND - CAMP LINCOLN BEACH	BCHLINKINRT	07/11/05	1
GREAT POND - CAMP LINCOLN BEACH	BCHLINKINRT	07/25/06	2
GREAT POND - CAMP LINCOLN BEACH	BCHLINKINRT	06/27/07	4
GREAT POND - CAMP LINCOLN BEACH	BCHLINKINRT	07/08/08	6
GREAT POND - CAMP LINCOLN BEACH	BCHLINKINRT	07/11/08	1
GREAT POND - CAMP LINCOLN BEACH	BCHLINKINRT	07/27/09	15
GREAT POND - CAMP LINCOLN BEACH	BCHLINKINRT	06/24/10	130
GREAT POND - CAMP LINCOLN BEACH	BCHLINKINRT	06/28/10	2
GREAT POND - CAMP LINCOLN BEACH	BCHLINKINRT	07/27/11	37
GREAT POND - CAMP LINCOLN BEACH	BCHLINKINRT	07/11/02	6
GREAT POND - CAMP LINCOLN BEACH	BCHLINKINRT	07/29/03	1
GREAT POND - CAMP LINCOLN BEACH	BCHLINKINRT	07/06/04	15
GREAT POND - CAMP LINCOLN BEACH	BCHLINKINRT	07/09/04	130
GREAT POND - CAMP LINCOLN BEACH	BCHLINKINRT	07/11/05	2
GREAT POND - CAMP LINCOLN BEACH	BCHLINKINRT	07/25/06	37

Shaded cells indicate exceedance of water quality criteria

**Geometric mean *E. coli* results (CTS/100ML)**

Station Name	Date	Result
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GREAT POND - CAMP LINCOLN BEACH	07/09/04	17.60
GREAT POND - CAMP LINCOLN BEACH	07/11/08	7.40
GREAT POND - CAMP LINCOLN BEACH	06/28/10	20.80

## G8: Lynn Grove Brook

AUID NHRIV700060502-30

**Characteristics:** freshwater, class B designation, primary contact recreation.

**Impairment:** *E coli*

**Water Quality Criteria & TMDL for *E coli***

Single sample: 406 CTS/100MI

Geometric mean: 126 CTS/100mL

**Percent reduction to meet TMDL:**

Single sample: 53%

Geometric mean: complies

**Data:** NHDES EMD, 2012 303(d)

### Single sample *E coli* results (CTS/100ML)

Station Name	Station ID	Date	Result
LYNN GROVE BROOK	NORNORLG	06/20/08	70
LYNN GROVE BROOK	NORNORLG	07/22/08	470
LYNN GROVE BROOK	NORNORLG	08/26/08	80
LYNN GROVE BROOK	NORNORLG	05/31/09	28
LYNN GROVE BROOK	NORNORLG	06/22/09	11
LYNN GROVE BROOK	NORNORLG	07/30/09	70
LYNN GROVE BROOK	NORNORLG	08/31/09	26
LYNN GROVE BROOK	NORNORLG	05/27/10	20
LYNN GROVE BROOK	NORNORLG	08/30/10	864
LYNN GROVE BROOK	NORNORLG	06/24/11	10
LYNN GROVE BROOK	NORNORLG	09/24/08	20
LYNN GROVE BROOK	NORNORLG	09/28/08	40
LYNN GROVE BROOK	NORNORLG	10/16/08	5
LYNN GROVE BROOK	NORNORLG	09/28/09	80
LYNN GROVE BROOK	NORNORLG	09/28/10	174

Shaded cells indicate exceedance of water quality criteria

### Geometric mean *E. coli* results (CTS/100ML)

Station Name	Date	Result
LYNN GROVE BROOK	07/30/09	27.83
LYNN GROVE BROOK	09/16/08	23.78
LYNN GROVE BROOK	09/16/09	52.61

## G9: Taylor Brook

AUID NHRIV700061101-05

**Characteristics:** freshwater, class B designation, primary contact recreation.

**Impairment:** *E coli*

**Water Quality Criteria & TMDL for *E coli***

Single sample: 406 CTS/100ML

Geometric mean: 126 CTS/100mL

**Percent reduction to meet TMDL:**

Single sample: 65%

Geometric mean: 16%

**Data:** NHDES EMD, 2012 303(d)

### Single sample *E coli* results (CTS/100ML)

Station Name	Station ID	Date	Result
TAYLOR BROOK	ISLDERT	07/12/06	200
TAYLOR BROOK	ISLDERT	08/17/06	20
TAYLOR BROOK	ISLDERT	07/18/07	1160
TAYLOR BROOK	ISLDERT	08/15/07	20
TAYLOR BROOK	ISLDERT	06/12/08	30
TAYLOR BROOK	ISLDERT	07/16/08	40
TAYLOR BROOK	ISLDERT	08/20/08	5
TAYLOR BROOK	ISLDERT	06/10/09	100
TAYLOR BROOK	ISLDERT	07/15/09	60
TAYLOR BROOK	ISLDERT	08/12/09	70
TAYLOR BROOK	ISLDERT	06/15/10	80
TAYLOR BROOK	ISLDERT	07/14/10	850
TAYLOR BROOK	ISLDERT	07/21/10	50
TAYLOR BROOK	ISLDERT	08/18/10	5
TAYLOR BROOK	ISLDERT	07/13/11	120
TAYLOR BROOK	ISLDERT	08/17/11	110
TAYLOR BROOK	ISLDERT	10/13/09	120
TAYLOR BROOK	ISLDERTBU	08/02/07	10
TAYLOR BROOK	ISLDERTBU	06/15/11	150
TAYLOR BROOK	ISLDERTBU	10/12/07	90
TAYLOR BROOK	ISLDERTBU	09/30/09	150
TAYLOR BROOK	ISLDERTBU	10/13/09	5

Shaded cells indicate exceedance of water quality criteria

### Geometric mean *E. coli* results (CTS/100ML)

Station Name	Date	Result
TAYLOR BROOK	8/15/07	61.45
TAYLOR BROOK	7/21/10	150.37
TAYLOR BROOK	8/18/10	59.67
TAYLOR BROOK	10/6/09	44.81

## G10: Howard Brook

AUID NHRIV700061203-25

**Characteristics:** freshwater, class B designation, primary contact recreation.

**Impairment:** *E coli*

**Water Quality Criteria & TMDL for *E coli***

Single sample: 406 CTS/100ML

Geometric mean: 126 CTS/100mL

**Percent reduction to meet TMDL:**

Single sample: 63%

Geometric mean: complies

**Data:** NHDES EMD, 2012 303(d)

### Single sample *E coli* results (CTS/100ML)

Station Name	Station ID	Date	Result
HOWARD BROOK	ROBHUDH3	05/30/06	60
HOWARD BROOK	ROBHUDH3	06/27/06	20
HOWARD BROOK	ROBHUDH3	07/25/06	90
HOWARD BROOK	ROBHUDH3	08/29/06	170
HOWARD BROOK	ROBHUDH3	05/29/07	90
HOWARD BROOK	ROBHUDH3	06/26/07	20
HOWARD BROOK	ROBHUDH3	07/01/08	60
HOWARD BROOK	ROBHUDH3	07/29/08	40
HOWARD BROOK	ROBHUDH3	08/26/08	10
HOWARD BROOK	ROBHUDH3	05/26/09	700
HOWARD BROOK	ROBHUDH3	06/30/09	260
HOWARD BROOK	ROBHUDH3	05/25/10	1100
HOWARD BROOK	ROBHUDH3	05/31/11	100
HOWARD BROOK	ROBHUDH3	06/28/11	20
HOWARD BROOK	ROBHUDH3	07/26/11	220
HOWARD BROOK	ROBHUDH3	08/30/11	60
HOWARD BROOK	ROBHUDH3	09/27/11	60

Shaded cells indicate exceedance of water quality criteria

### Geometric mean *E. coli* results (CTS/100ML)

Station Name	Date	Result
HOWARD BROOK	07/25/06	47.62
HOWARD BROOK	08/26/08	28.84
HOWARD BROOK	07/26/11	76.06