

0030506

010700060202

BOSCAWEN

CONCORD

010700060302

0030507

010700060301

CHICHESTER

PEMBROKE

ON

010700060301

BOWEN

WINNIBARON

0030503

0060602

0107000602

ALL

0107000602

FINAL SUBMITTED TO EPA - 2012 LIST OF THREATENED OR IMPAIRED WATERS THAT REQUIRE A TMDL
(i.e., Category 5 Impairments - this represents the Section 303(d) list)

Date: 7/16/13
 Page 92 of 110

- Notes:
1. See the Consolidated Assessment and Listing Methodology (CALM) for definitions and details regarding how this list was developed.
 2. This list is sorted by Waterbody Type and then Assessment Unit ID.
 3. TMDL stands for Total Maximum Daily Load study. TMDL schedules are subject to change as funding and resources become available.
 4. Waters presented on this list may also be threatened or impaired by other pollutants or nonpollutants that do not require a TMDL.

| Assessment Unit ID | Water Name | Primary Town | Water Size | Use Desc | Impairment Name | DES Category | Threat Priority | TMDL Priority | TMDL Schedule | Source Name |
|----------------------|---------------------|--------------|-------------|--------------|---|--------------|-----------------|---------------|---------------|---|
| NHRIV700060802-14-02 | MERRIMACK RIVER | HOOKSETT | 5.744 MILES | Aquatic Life | pH | 5-M | N | LOW | 2017 | Source Unknown |
| NHRIV700060802-15 | RAYS BROOK | MANCHESTER | 1.046 MILES | Aquatic Life | Chloride | 5-M | N | LOW | 2023 | Highway/Road/Bridge Runoff (Non-construction Related) ImperVIOUS Surface/Parking Lot Runoff Municipal (Urbanized High Density Area) |
| NHRIV700060802-16 | UNNAMED BROOK | MANCHESTER | 0.210 MILES | Aquatic Life | CHLORIDE | 5-M | N | LOW | 2025 | Source Unknown |
| NHRIV700060803-08 | BAKER BROOK | MANCHESTER | 1.707 MILES | Aquatic Life | Chloride | 5-M | N | LOW | 2019 | Commercial Districts (Shopping/Office) Municipal (Urbanized High Density Area) |
| NHRIV700060803-12 | PATTEN BROOK | BEDFORD | 1.510 MILES | Aquatic Life | Aluminum | 5-M | N | LOW | 2021 | Source Unknown |
| NHRIV700060803-14-02 | MERRIMACK RIVER | MANCHESTER | 7.177 MILES | Aquatic Life | Aluminum | 5-M | N | LOW | 2019 | Source Unknown |
| NHRIV700060803-15 | HUMPHREY BROOK | MANCHESTER | 3.111 MILES | Aquatic Life | CHLORIDE | 5-M | N | LOW | 2025 | Source Unknown |
| NHRIV700060803-16 | UNNAMED BROOK | BEDFORD | 0.618 MILES | Aquatic Life | DISSOLVED OXYGEN SATURATION | 5-M | N | LOW | 2025 | Source Unknown |
| NHRIV700060804-01 | Sebbins Brook | BEDFORD | 8.624 MILES | Aquatic Life | PH | 5-M | N | LOW | 2025 | Source Unknown |
| NHRIV700060804-05 | Little Cohas Brook, | LONDONDERRY | 6.436 MILES | Aquatic Life | PH | 5-M | N | LOW | 2019 | Source Unknown |
| | | | | | Benthic-Macroinvertebrate Bioassessments | 5-P | N | LOW | 2017 | Source Unknown |
| | | | | | Chloride | 5-P | N | LOW | 2019 | Industrial/Commercial Site Stormwater Discharge Municipal (Urbanized High Density Area) |
| | | | | | Dissolved oxygen | 5-M | N | LOW | 2019 | Source Unknown |
| | | | | | Iron | 5-M | N | LOW | 2019 | Source Unknown |
| | | | | | Oxygen, Dissolved | 5-P | N | LOW | 2019 | Source Unknown |
| | | | | | PH | 5-M | N | LOW | 2016 | Source Unknown |
| | | | | | Primary Contact Foam/Floccs/Scum/Oil Recreation | 5-P | N | LOW | 2019 | Airports Industrial/Commercial Site Stormwater Discharge |
| | | | | | Taste and Odor | 5-P | N | LOW | 2019 | Airports Industrial/Commercial Site Stormwater Discharge |

DRAFT WATERSHED 305(b) ASSESSMENT SUMMARY REPORT:

HUC 12 010700060302

HUC 12 NAME MERRIMACK RIVER DRAINAGE

(Locator map on next page only applies to this HUC12)

Assessment Cycle 2012

| | |
|-------------|---|
| Marginal | Full Support Marginal |
| Likely Good | Insufficient Information - Potentially Full Support |
| No Data | No Data |
| Likely Bad | Insufficient Information - Potentially Not Support |
| Poor | Not Support Marginal |



| ASSESSMENT UNIT ID | MAP LABEL | ASSESSMENT UNIT NAME | AQUATIC LIFE | SWIMMING | BOATING | FISH CONSUMP. |
|----------------------|-----------|--|--------------|----------|---------|---------------|
| NHRIV700060302-01 | R*01 | BURNHAM BROOK | 3-PAS | 3-ND | 3-ND | 3-ND |
| NHRIV700060302-02 | R*02 | HAYWARD BROOK | 3-ND | 3-ND | 3-ND | 3-ND |
| NHRIV700060302-03 | R*03 | UNNAMED BROOK | 3-ND | 3-ND | 3-ND | 3-ND |
| NHRIV700060302-04 | R*04 | UNNAMED BROOK | 3-ND | 3-ND | 3-ND | 3-ND |
| NHRIV700060302-05 | R*05 | UNNAMED BROOK - PINE ISLAND BROOK | 3-ND | 3-ND | 3-ND | 3-ND |
| NHRIV700060302-06 | R*06 | HAYWARD BROOK - HACKETT BROOK | 3-ND | 3-ND | 3-ND | 3-ND |
| NHRIV700060302-07 | R*07 | UNNAMED BROOK | 3-ND | 3-ND | 3-ND | 3-ND |
| NHRIV700060302-08 | R*08 | HAYWARD BROOK | 3-ND | 3-ND | 3-ND | 3-ND |
| NHRIV700060302-09 | R*09 | HOYL BROOK | 3-ND | 3-ND | 3-ND | 3-ND |
| NHRIV700060302-10 | R*10 | BEAVER MEADOW BROOK | 3-ND | 3-ND | 3-ND | 3-ND |
| NHRIV700060302-11 | R*11 | RATTLESNAKE BROOK | 3-ND | 3-ND | 3-ND | 3-ND |
| NHRIV700060302-13 | R*13 | WOODS BROOK | 3-ND | 3-ND | 3-ND | 3-ND |
| NHRIV700060302-14 | R*14 | WOODS BROOK | 3-ND | 3-ND | 3-ND | 3-ND |
| NHRIV700060302-15 | R*15 | WOODS BROOK | 3-ND | 3-ND | 3-ND | 3-ND |
| NHRIV700060302-16 | R*16 | UNNAMED BROOK | 3-ND | 3-PAS | 3-ND | 3-ND |
| NHRIV700060302-17 | R*17 | MILL BROOK - UNNAMED BROOK | 3-ND | 3-ND | 3-ND | 3-ND |
| NHRIV700060302-18 | R*18 | BOWEN BROOK - UNNAMED BROOK | 3-ND | 3-ND | 3-ND | 3-ND |
| NHRIV700060302-19 | R*19 | METINGHOUSE BROOK | 3-ND | 3-ND | 3-ND | 3-ND |
| NHRIV700060302-20 | R*20 | BOW BOG BROOK - HORSE BROOK | 3-ND | 3-ND | 3-ND | 3-ND |
| NHRIV700060302-21 | R*21 | BOW BOG BROOK | 3-ND | 3-PAS | 3-PAS | 3-ND |
| NHRIV700060302-22 | R*22 | UNNAMED BROOK | 3-ND | 3-ND | 3-ND | 3-ND |
| NHRIV700060302-23 | R*0302-23 | MERRIMACK RIVER | 3-PMS | 3-ND | 3-ND | 3-ND |
| NHRIV700060302-24 | R*24 | MERRIMACK RIVER | 3-PAS | 3-ND | 3-ND | 3-ND |
| NHRIV700060302-25-01 | R*25-01 | MERRIMACK RIVER - GARVINS FALLS BYPASS | 3-PAS | 3-ND | 3-PAS | 3-ND |
| NHRIV700060302-25-02 | R*25-02 | MERRIMACK RIVER | 3-ND | 3-ND | 3-ND | 3-ND |
| NHRIV700060302-26 | R*26 | MERRIMACK RIVER | 3-ND | 3-ND | 3-ND | 3-ND |
| NHRIV700060302-27 | R*27 | LAKE VIEW BROOK | 3-ND | 3-ND | 3-ND | 3-ND |
| NHRIV700060302-29 | R*29 | UNNAMED BROOK | 3-ND | 3-ND | 3-ND | 3-ND |

Assessment Unit ID: NHRIV100060302-26
 Assessment Unit Name: MERRIMACK RIVER
 Primary Town: PEMBROKE

Size: 0.7490 MILES
 Beach: N

DRAFT 2012, 305(b)/303(d) - All
 Reviewed Parameters by Assessment Unit

| Designated Use Description | *Desig. Use Category | Desig. Use Threat | Parameter Name | Parameter Threatened (Y/N) | Parameter Category* | TMDL Schedule | Expected To Attain Date | Source Name (Impairments only) |
|----------------------------|----------------------|-------------------|-------------------|----------------------------|---------------------|---------------|-------------------------|--------------------------------|
| Primary Contact Recreation | 3-ND | | Oxygen, Dissolved | N | 3-ND | | | |
| Primary Contact Recreation | 3-ND | | Escherichia coli | N | 3-ND | | | |
| Wildlife | 3-ND | | | | | | | |

| | | | | | | |
|-------------------------|---|--|----------------|------------------------|------------------------|--------------|
| Severe | Poor | Likely Bad | No Data | Likely Good | Marginal | Good |
| No Supporting, Marginal | Insufficient Information - Potentially Not Supporting | Insufficient Information - Potentially Full Supporting | No Data | Full Support, Marginal | Full Support, Marginal | Full Support |

*DES Categories: 2-G = Supports Parameter well above criteria, 2-M = Supports Parameter marginally above criteria, 2-OBS = Exceeds WQ criteria but natural therefore not a WQ exceedance, 3-ND = Insufficient Information/No data, 3-PAS = Insufficient Information/Potentially Not Attaining Standard, 3-PNS = Insufficient Information/Potentially Not Attaining Standard, 4A=Impaired/TMDL needed, 4B=Impaired/Other Measure will rectify Impairment, 4C=Impaired/Non-Pollutant, 5=Impaired/TMDL needed) M=Marginal Impairment, P=Severe Impairment, T=Threatened (<http://des.nh.gov/organization/divisions/water/wmb/swqa/index.htm>)

Assessment Unit ID: NHRIV700060302-22
 Assessment Unit Name: UNNAMED BROOK
 Primary Town: BOW

Size: 0.1590 MILES
 Beach N

DRAFT 2012, 305(b)/303(d) - All
 Reviewed Parameters by Assessment Unit

| Designated Use Description | *Desig. Use Category | Desig. Use Threat | Parameter Name | Parameter Threatened (Y/N) | Parameter Category* | TMDL Schedule | Expected To Attain Date | Source Name (Impairments only) |
|----------------------------|----------------------|-------------------|-------------------|----------------------------|---------------------|---------------|-------------------------|---------------------------------|
| Primary Contact Recreation | 3-ND | | Escherichia coli | N | 3-ND | 2017 | | Atmospheric Deposition - Toxics |
| Mildlife | 3-ND | | | N | | | | |
| | | | Oxygen, Dissolved | N | 3-ND | | | |

| | | | | | | |
|----------------|---|--|---------------------------|--|---|-------------|
| Setback | Poor Not Supporting, Marginal | Likely Bad Insufficient Information - Potentially Not Supporting | No Data No Data | Likely Good Insufficient Information - Potentially Full Supporting | Marginal Full Support, Marginal | Good |
|----------------|---|--|---------------------------|--|---|-------------|

*DES Categories: 2-G = Supports Parameter well above criteria, 2-M = Supports Parameter marginally above criteria, 2-OBS = Exceeds WQ criteria but natural therefore not a WQ exceedance, 3-ND = Insufficient Information/No data, 3-PAS= Insufficient Information/Potentially Not Attaining Standard, (4A=Impaired/TMDL Information/Potentially Attaining Standard, 3-ENS= Insufficient Information/Potentially Not Attaining Standard, (4C=Impaired/Non-Pollutant, 5=Impaired/TMDL needed) M=Marginal Impairment, Completed, 4B=Impaired/Other Measure will rectify Impairment, 4C=Impaired/Non-Pollutant, 5=Impaired/TMDL needed) M=Marginal Impairment, P=Severe Impairment, T=Threatened (<http://des.nh.gov/organization/divisions/water/wmb/swga/index.htm>)

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 Date: 7/17/13

| Designated Use Description | *Desig. Use Category | Desig. Use Threat | Parameter Name | Parameter Threatened (Y/N) | Parameter Category* | TMDL Schedule | Expected To Attain Date | Source Name (Impairments only) |
|---|----------------------|-------------------|-----------------------------|----------------------------|---------------------|---------------|-------------------------|---------------------------------|
| Aquatic Life | 5-M | | CHLORIDE | N | 3-PA6 | | | |
| | | | Chlorophyll-a | N | 3-PA6 | | | |
| | | | DISSOLVED OXYGEN SATURATION | | 3-PNS | | | |
| | | | OXYGEN, DISSOLVED | | 3-PAS | | | |
| | | | PH | | 5-M | 2025 | | Source Unknown |
| | | | TURBIDITY | N | 3-PA6 | | | |
| Outflowing Water After Adequate Treatment | 2-G | | ESCHERICHIA COLI | N | 3-PNS | | | |
| Fish Consumption | 4A-M | | Mercury | N | 4A-M | 2017 | | Atmospheric Deposition - Toxics |
| Primary Contact Recreation | 4A-P | | CHLOROPHYLL-A | N | 3-PAS | | | |
| | | | Escherichia coli | M | 4A-P | 2010 | | Source Unknown |
| Secondary Contact Recreation | 2-M | | ESCHERICHIA COLI | N | 2-M | | | |

| | | | | | | |
|--|---|--|---------------------------|--|---|-----------------------------------|
| Severe Plan Expecting Severe | Poor Not Supporting, Marginal | Likely Bad Insufficient Information - Potentially Not Supporting | No Data No Data | Likely Good Insufficient Information - Potentially Full Supporting | Marginal Full Support, Marginal | Good Full Support, Good |
|--|---|--|---------------------------|--|---|-----------------------------------|

*DES Categories: 2-G = Supports Parameter well above criteria, 2-M = Supports Parameter marginally above criteria, 2-OBS = Exceeds WQ criteria but natural therefore not a WQ exceedance, 3-ND = Insufficient Information/No data, 3-PAS = Insufficient Information/Potentially Not Attaining Standard, (4A=Impaired/TMDL Information/Potentially Attaining Standard, 3-PNS= Insufficient Information/Potentially Not Attaining Standard, 4C=Impaired/Non-Pollutant, 5=Impaired/TMDL needed) M=Marginal Impairment, P=Severe Impairment, T=Threatened (<http://des.nh.gov/organization/divisions/water/wmb/swqa/index.htm>)

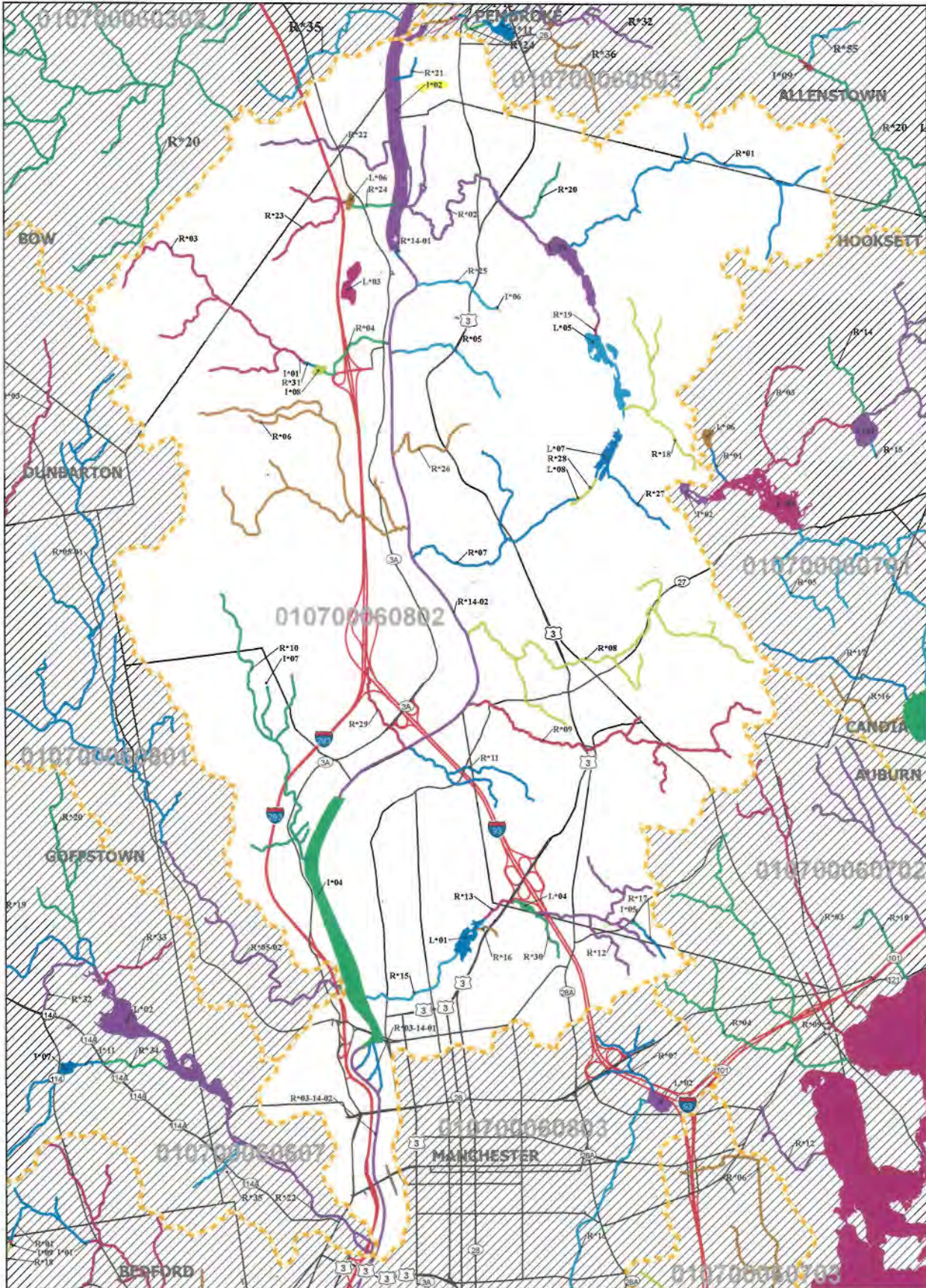
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Date: 7/17/13

FINAL SUBMITTED TO EPA - 2012 LIST OF THREATENED OR IMPAIRED WATERS THAT REQUIRE A TMDL
(i.e., Category 5 Impairments - this represents the Section 303(d) List)

- Notes:
1. See the Consolidated Assessment and Listing Methodology (CALM) for definitions and details regarding how this list was developed.
 2. This list is sorted by Waterbody Type and then Assessment Unit ID.
 3. TMDL stands for Total Maximum Daily Load study. TMDL schedules are subject to change as funding and resources become available.
 4. Waters presented on this list may also be threatened or impaired by other pollutants or nonpollutants that do not require a TMDL.

| Assessment Unit ID | Water Name | Primary Town | Water Size | Water Size Unit | Use Desc | Impairment Name | DSS Category | Threat | Priority | TMDL Schedule | Source Name |
|-----------------------|-----------------------------------|--------------|------------|-----------------|--------------|--|--------------|--------|----------|---------------|---|
| NHRIIV700060201-10 | Guest Meadow Brook, | LOUDON | 1.313 | MILES | Aquatic Life | Benthic-Macroinvertebrat e Bioassessments | 5-P | N | LOW | 2019 | Wet Weather Discharges (Point Source and Combination of Stormwater, |
| | | | | | | | | | | | |
| NHRIIV700060201-14 | UNNAMED BROOK | GILMANTON | 0.963 | MILES | Aquatic Life | pH | 5-P | N | LOW | 2017 | Source Unknown |
| NHRIIV700060201-15 | UNNAMED BROOK | GILMANTON | 0.353 | MILES | Aquatic Life | pH | 5-M | N | LOW | 2023 | Source Unknown |
| NHRIIV700060201-17 | UNNAMED BROOK | CANTERBURY | 0.258 | MILES | Aquatic Life | pH | 5-M | N | LOW | 2023 | Source Unknown |
| NHRIIV700060201-18 | UNNAMED BROOK | GILMANTON | 0.585 | MILES | Aquatic Life | pH | 5-M | N | LOW | 2025 | Source Unknown |
| NHRIIV700060201-19 | UNNAMED BROOK | GILMANTON | 0.228 | MILES | Aquatic Life | pH | 5-M | N | LOW | 2023 | Source Unknown |
| NHRIIV700060202-02 | Pickard Brook | CANTERBURY | 12.008 | MILES | Aquatic Life | pH | 5-P | N | LOW | 2016 | Source Unknown |
| NHRIIV700060202-09 | Shaker Branch | LOUDON | 2.067 | MILES | Aquatic Life | Aluminum | 5-M | N | LOW | 2019 | Source Unknown |
| | | | | | | Benthic-Macroinvertebrat e Bioassessments | 5-P | N | LOW | 2017 | Source Unknown |
| | | | | | | pH | 5-M | N | LOW | 2016 | Source Unknown |
| NHRIIV700060202-10 | Soucook River, W/CWP | LOUDON | 2.187 | MILES | Aquatic Life | pH | 5-M | N | LOW | 2016 | Source Unknown |
| NHRIIV700060202-18 | Soucook River, CWP | CONCORD | 3.809 | MILES | Aquatic Life | pH | 5-M | N | LOW | 2021 | Source Unknown |
| NHRIIV700060301-05 | UNNAMED BROOK - TO TURKEE POND | BOW | 2.707 | MILES | Aquatic Life | pH | 5-P | N | LOW | 2019 | Source Unknown |
| NHRIIV700060301-11 | Turkey River | CONCORD | 11.898 | MILES | Aquatic Life | Benthic-Macroinvertebrat e Bioassessments | 5-P | N | LOW | 2025 | Source Unknown |
| | | | | | | DISSOLVED OXYGEN SATURATION | 5-M | N | LOW | 2025 | Source Unknown |
| | | | | | | OXYGEN, DISSOLVED | 5-P | N | LOW | 2025 | Source Unknown |
| | | | | | | pH | 5-M | N | LOW | 2025 | Source Unknown |
| NHRIIV700060301-13 | Turkey River, W/CWP | CONCORD | 4.491 | MILES | Aquatic Life | Aluminum | 5-M | N | LOW | 2019 | Source Unknown |
| NHRIIV700060302-08 | Hayward Brook | CONCORD | 2.425 | MILES | Aquatic Life | Fishes Bioassessments (Streams) | 5-P | N | LOW | 2023 | Source Unknown |
| NHRIIV700060302-24 | MERRINACK RIVER | CONCORD | 9.525 | MILES | Aquatic Life | Aluminum | 5-M | N | LOW | 2017 | Source Unknown |
| | | | | | | Dissolved oxygen | 5-P | N | LOW | 2017 | Source Unknown |
| | | | | | | Oxygen, Dissolved | 5-P | N | LOW | 2021 | Source Unknown |
| | | | | | | pH | 5-M | N | LOW | 2017 | Source Unknown |
| NHRIIV700060302-25-02 | MERRINACK RIVER | BOW | 3.476 | MILES | Aquatic Life | Dissolved oxygen | 5-P | N | LOW | 2017 | Source Unknown |
| | | | | | | Oxygen, Dissolved | 5-P | N | LOW | 2021 | Source Unknown |
| NHRIIV700060302-31 | UNNAMED BROOK | CANTERBURY | 0.743 | MILES | Aquatic Life | pH | 5-M | N | LOW | 2023 | Source Unknown |
| NHRIIV700060302-33 | UNNAMED BROOK | CONCORD | 0.118 | MILES | Aquatic Life | Chloride | 5-M | N | LOW | 2023 | Source Unknown |
| NHRIIV700060302-34 | UNNAMED BROOK | CONCORD | 0.468 | MILES | Aquatic Life | Chloride | 5-M | N | LOW | 2023 | Source Unknown |
| NHRIIV700060302-55 | SUGAR BALL OXBOX | CONCORD | 0.478 | MILES | Aquatic Life | Chloride | 5-M | N | LOW | 2023 | Source Unknown |

AUIDs For HUC12: 010700060802 - North Manchester Tributaries



| | | | |
|--|--------------------|--|--------------------------|
| | HUC12 Boundaries | | Assessment Unit Coloring |
| | Town Boundaries | | AUs Ending with: |
| | Major Roads | | |
| | Interstate Highway | | |
| | US Highway | | |
| | State Highway | | |



| | |
|---------------------------|---------------|
| Abbrev. Label | HUC 12 |
| L*03 | 010 700060201 |
| | |
| AUID = NH LAK700060201-03 | |

Assessment Unit IDs are derived from the HUC12 they reside within. The labels have been shortened on this map for presentation purposes.
 Example: the Label "L*03" in HUC12 = 010700060201 represents AUID = "NH LAK700060201-03"
 In rare cases where an AUID extends beyond the boundary of a single HUC12, additional portions of the end of the HUC 12 number have also been replaced.



Scale: 1:50,900

DRAFT WATERSHED 305(b) ASSESSMENT SUMMARY REPORT:

HUC 12 010700060802
 HUC 12 NAME NORTH MANCHESTER TRIBUTARIES

(Locator map on next page only applies to this HUC12)

Assessment Cycle 2012

| | |
|-----------------------|---|
| Full Support Marginal | Full Support Marginal |
| Marginal | Insufficient Information - Potentially Full Support |
| Likely Good | Insufficient Information - Potentially Full Support |
| No Data | Insufficient Information - Potentially Not Support |
| Likely Bad | Not Support Marginal |
| Poor | Not Support Marginal |



| ASSESSMENT UNIT ID | MAP LABEL | ASSESSMENT UNIT NAME | AQUATIC LIFE | SWIMMING | BOATING | FISH CONSUMP. |
|--------------------|-----------|---------------------------------------|--------------|----------|---------|---------------|
| NHIME700060802-01 | I*01 | BRICKYARD BROOK - OLD BRICKYARD DAM | 3-ND | 3-ND | 3-ND | 3-ND |
| NHIME700060802-02 | I*0802-02 | MERRIMACK RIVER - HOOKSETT HYDRO POND | 3-PAS | 2-M | 2-N | 3-ND |
| NHIME700060802-04 | I*04 | MERRIMACK RIVER - AMOSKREAG DAM | 3-PAS | 3-ND | 3-ND | 3-ND |
| NHIME700060802-05 | I*05 | UNNAMED BROOK | 3-ND | 3-ND | 3-ND | 3-ND |
| NHIME700060802-06 | I*06 | PUBLIC PARK DAM | 3-ND | 3-ND | 3-ND | 3-ND |
| NHIME700060802-07 | I*07 | COUNTRYSIDE VILLAGE DET POND DAM | 3-ND | 3-ND | 3-ND | 3-ND |
| NHIME700060802-08 | I*08 | BRICKYARD BROOK | 3-ND | 3-ND | 3-ND | 3-ND |
| NHLAK700060802-01 | L*01 | DORRS POND | 3-ND | 3-ND | 3-ND | 3-ND |
| NHLAK700060802-02 | L*02 | LAKINS POND | 3-ND | 3-ND | 3-ND | 3-ND |
| NHLAK700060802-03 | L*03 | PINNACLE POND | 3-ND | 3-ND | 3-ND | 3-ND |
| NHLAK700060802-04 | L*04 | GOLDFISH POND | 3-PNS | 3-ND | 3-ND | 3-ND |
| NHLAK700060802-05 | L*05 | UNNAMED POND | 3-ND | 3-ND | 3-ND | 3-ND |
| NHLAK700060802-06 | L*06 | UNNAMED POND | 3-ND | 3-ND | 3-ND | 3-ND |
| NHLAK700060802-07 | L*07 | UNNAMED POND | 3-ND | 3-ND | 3-ND | 3-ND |
| NHLAK700060802-08 | L*08 | UNNAMED POND | 3-ND | 3-ND | 3-ND | 3-ND |
| NHRIIV700060802-01 | R*01 | UNNAMED BROOK | 3-ND | 3-ND | 3-ND | 3-ND |
| NHRIIV700060802-02 | R*02 | BROWN BROOK | 3-ND | 3-ND | 3-ND | 3-ND |
| NHRIIV700060802-03 | R*03 | BRICKYARD BROOK - UNNAMED BROOK | 3-ND | 3-ND | 3-ND | 3-ND |
| NHRIIV700060802-04 | R*04 | BRICKYARD BROOK | 3-ND | 3-ND | 3-ND | 3-ND |
| NHRIIV700060802-05 | R*05 | UNNAMED BROOK | 3-ND | 3-ND | 3-ND | 3-ND |
| NHRIIV700060802-06 | R*06 | UNNAMED BROOK | 3-ND | 3-ND | 3-ND | 3-ND |
| NHRIIV700060802-07 | R*07 | PETERS BROOK | 3-ND | 3-ND | 3-ND | 3-ND |
| NHRIIV700060802-08 | R*08 | DALTON BROOK | 3-ND | 3-ND | 3-ND | 3-ND |
| NHRIIV700060802-09 | R*09 | MESSER BROOK | 3-ND | 3-ND | 3-ND | 3-ND |
| NHRIIV700060802-10 | R*10 | MILESTONE BROOK - UNNAMED BROOK | 3-ND | 3-ND | 3-ND | 3-ND |
| NHRIIV700060802-11 | R*11 | UNNAMED BROOK | 3-ND | 3-ND | 3-ND | 3-ND |
| NHRIIV700060802-12 | R*12 | UNNAMED BROOK | 3-ND | 3-ND | 3-ND | 3-ND |
| NHRIIV700060802-13 | R*13 | DORRS POND INLET BROOK | 3-ND | 3-ND | 3-ND | 3-ND |

Assessment Unit ID: NHMF700060802-02 Size: 250.0000 ACRES
 Assessment Unit Name: MERRIMACK RIVER - HOOKSETT HYDRO POND Beach: N
 Primary Town: HOOKSETT Assessment Unit Category: 3-PAS

DRAFT 2012, 305(b)/303(d) - All Reviewed Parameters by Assessment Unit

| Designated Use Description | *Desig. Use Category | Desig. Use Threat | Parameter Name | Parameter Threatened (Y/N) | Parameter Category* | TMDL Schedule | Expected To Attain Date | Source Name (Impairments only) |
|------------------------------|----------------------|-------------------|-----------------------------|----------------------------|---------------------|---------------|-------------------------|---------------------------------|
| Wildlife | 3-ND | | | | | | | |
| Secondary Contact Recreation | 2-M | | ESCHERICHIA COLI | | 2-M | | | |
| Primary Contact Recreation | 2-M | | ESCHERICHIA COLI | | 2-M | | | |
| Fish Consumption | 4A-M | | Mercury | N | 4A-M | 2017 | | Atmospheric Deposition - Toxics |
| Primary Contact Recreation | 2-M | | ESCHERICHIA COLI | N | 3-PNS | | | |
| Wildlife | 3-ND | | PH | | 3-PAS | | | |
| Wildlife | 3-ND | | OXYGEN, DISSOLVED | | 3-PAS | | | |
| Wildlife | 3-ND | | CHLOROPHYLL-a | N | 3-ND | | | |
| Wildlife | 3-ND | | DISSOLVED OXYGEN SATURATION | | 3-PAS | | | |

| | | | | | | |
|---|--------------------------|---|----------------|--|------------------------|--------------------|
| Terrible | Poor | Likely Bad | No Data | Likely Good | Marginal | Good |
| Insufficient Information - Potentially Not Supporting | Not Supporting, Marginal | Insufficient Information - Potentially Not Supporting | No Data | Insufficient Information - Potentially Full Supporting | Full Support, Marginal | Full Support, Good |

*DEB Categories: 2-G = Supports Parameter well above criteria, 2-M = Supports Parameter marginally above criteria, 2-OBS = Exceeds WQ criteria but natural therefore not a WQ exceedance, 3-ND = Insufficient Information/No data, 3-PAS = Insufficient Information/Potentially Not Attaining Standard, 3-PNS = Insufficient Information/Potentially Not Attaining Standard, 4A=Impaired/TMDL needed, 4B=Impaired/Other Measure will rectify Impairment, 4C=Impaired/Non-Pollutant, 5=Impaired/TMDL needed) M=Marginal Impairment, P=Severe Impairment, T=Threatened (http://des.nh.gov/organization/divisions/water/wmb/swqa/index.htm)

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Assessment Unit ID: NHIMP700060802-02
 Assessment Unit Name: MERRIMACK RIVER - HOOKSETT HYDRO POND
 Primary Town: HOOKSETT

Size: 250.0000 ACRES
 Beach: N
 Assessment Unit Category: 3-PAS

DRAFT 2012, 305 (b) / 303 (d) - All Reviewed Parameters by Assessment Unit

| Designated Use Description | *Desig. Use Category | Desig. Use Threat | Parameter Name | Parameter Threatened (Y/N) | Parameter Category* | TMDL Schedule | Expected To Attain Date | Source Name (Impairments only) |
|--|----------------------|-------------------|----------------------------|----------------------------|---------------------|---------------|-------------------------|---------------------------------|
| Aquatic Life | 3-PAS | | CHLORIDE | N | 3-PAS | | | |
| | | | CHLOROPHYLL-a | N | 3-PAS | | | |
| | | | PHOSPHATE OXYGEN-SATURATED | | 3-PAS | | | |
| | | | OXYGEN, DISSOLVED | | 3-PAS | | | |
| | | | BPH | | 3-PAS | | | |
| Drinking Water After Aggregate Treatment | 4A-M | | ESCHERICHIA COLI | N | 3-PNS | | | |
| Fish Consumption | 4A-M | | Mercury | M | 4A-M | 2012 | | Atmospheric Deposition - Toxics |
| Primary Contact Recreation | 2-M | | ESCHERICHIA COLI | | 2-M | | | |
| Secondary Contact Recreation | 2-M | | ESCHERICHIA COLI | | 2-M | | | |
| Wildlife | 3-ND | | | | | | | |

| | | | | | | |
|---------------------------|--------------------------|---|----------------|--|------------------------|-----------------------|
| Severe | Poor | Likely Bad | No Data | Likely Good | Marginal | Good |
| Full Supporting, Marginal | Not Supporting, Marginal | Insufficient Information - Potentially Not Supporting | No Data | Insufficient Information - Potentially Full Supporting | Full Support, Marginal | Full Supporting, Good |

*DES Categories: 2-G = Supports Parameter well above criteria, 2-M = Supports Parameter marginally above criteria, 2-OBS = Exceeds WQ criteria but natural therefore not a WQ exceedence, 3-ND = Insufficient Information/No data, 3-PAS = Insufficient Information/Potentially Not Attaining Standard, 3-PNS = Insufficient Information/Potentially Not Attaining Standard, (4A=Impaired/TMDL needed, 4B=Impaired/Other Measure will rectify Impairment, 4C=Impaired/Non-Pollutant, 5=Impaired/TMDL needed) M=Marginal Impairment, P=Severe Impairment, T=Threatened (http://des.nh.gov/organization/divisions/water/wmb/swqa/index.htm)

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FINAL SUBMITTED TO EPA - 2012 LIST OF THREATENED OR IMPAIRED WATERS THAT REQUIRE A TMDL
(i.e., Category 5 Impairments - this represents the Section 303(d) List)

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Notes:
1. See the Consolidated Assessment and Listing Methodology (CALM) for definitions and details regarding how this list was developed.
2. This list is sorted by Waterbody Type and then Assessment Unit ID, subject to change as funding and resources become available.
3. TMDL stands for Total Maximum Daily Load study. TMDL schedules are subject to change as funding and resources become available.
4. Waters presented on this list may also be threatened or impaired by other pollutants or nonpollutants that do not require a TMDL.

| Assessment Unit ID | Water Name | Primary Town | Water Size | Use Desc | Impairment Name | DES Category | Threat Priority | TMDL Schedule | Source Name |
|----------------------|--------------------------------------|--------------|--------------|--------------|---|--------------|-----------------|---------------|---|
| NHRIV700060607-20 | Catamount Brook | GOFFSTOWN | 2.490 MILES | Aquatic Life | Chloride | 5-M | N | LOW 2021 | Commercial Districts (Shopping/Office Highway/Road/Bridge Runoff (Non-construction Related) ImperVIOUS Surface/Parking Lot Runoff Municipal (Urbanized High Density Area) |
| NHRIV700060607-22 | Piscataquog River, WPF MANCHESTER | MANCHESTER | 2.645 MILES | Aquatic Life | pH | 5-M | N | LOW 2019 | Source Unknown |
| NHRIV700060703-05 | Cohas Brook and Long Pond Brook, CMF | MANCHESTER | 8.915 MILES | Aquatic Life | Benthic-Macroinvertebrat e Bioassessments | 5-P | N | LOW 2017 | Source Unknown |
| NHRIV700060703-08 | COHAS BROOK | MANCHESTER | 11.131 MILES | Aquatic Life | pH | 5-P | N | LOW 2016 | Source Unknown |
| NHRIV700060801-05-01 | Black Brook, CUS-A | GOFFSTOWN | 11.233 MILES | Aquatic Life | Lead | 5-P | N | LOW 2019 | Source Unknown |
| NHRIV700060801-05-02 | Black Brook | MANCHESTER | 3.115 MILES | Aquatic Life | pH | 5-M | N | LOW 2021 | Source Unknown |
| NHRIV700060802-02 | BROWN BROOK | HOOKSETT | 3.227 MILES | Aquatic Life | Benthic-Macroinvertebrat e Bioassessments | 5-M | N | LOW 2023 | Source Unknown |
| NHRIV700060802-07 | Peters Brook | HOOKSETT | 2.825 MILES | Aquatic Life | Aluminum | 5-P | N | LOW 2016 | Source Unknown |
| NHRIV700060802-08 | Dalton Brook | HOOKSETT | 5.783 MILES | Aquatic Life | pH | 5-P | N | LOW 2019 | Source Unknown |
| NHRIV700060802-09 | MESSER BROOK | HOOKSETT | 4.244 MILES | Aquatic Life | pH | 5-M | N | LOW 2021 | Source Unknown |
| NHRIV700060802-13 | DORRS POND INLET BROOK MANCHESTER | MANCHESTER | 0.305 MILES | Aquatic Life | Chloride | 5-M | N | LOW 2019 | Commercial Districts (Shopping/Office Highway/Road/Bridge Runoff (Non-construction Related) Municipal (Urbanized High Density Area) |
| NHRIV700060802-14-02 | MERRIMACK RIVER | HOOKSETT | 5.744 MILES | Aquatic Life | Aluminum | 5-M | N | LOW 2019 | Source Unknown |
| | | | | | Dissolved oxygen | 5-M | N | LOW 2017 | Source Unknown |

