

Assessment Cycle	Assessment Unit ID	Assessment Unit Name	Designated Use ID	Designated Use Desc	Impairment ID	Impairment Name	DES Parameter Level	Assessment Category	Parameter Comments
2016	NHIMP700060802-02	MERRIMACK RIVER - HOOKSETT HYDRO	950	PRIMARY CONTACT	217	ESCHERICHIA COLI		3-ND	20100310 - CORE PARAMETER, ADDED WHERE PARAMETER NOT SAMPLED.
2016	NHIMP700060802-02	MERRIMACK RIVER - HOOKSETT HYDRO	952	AQUATIC LIFE	87	ALUMINUM		3-ND	
2016	NHIMP700060802-02	MERRIMACK RIVER - HOOKSETT HYDRO	952	AQUATIC LIFE	91	AMMONIA (UN-IONIZED)		3-ND	
2016	NHIMP700060802-02	MERRIMACK RIVER - HOOKSETT HYDRO	952	AQUATIC LIFE	138	CHLORIDE		3-PAS	
2016	NHIMP700060802-02	MERRIMACK RIVER - HOOKSETT HYDRO	952	AQUATIC LIFE	163	COPPER		3-ND	
2016	NHIMP700060802-02	MERRIMACK RIVER - HOOKSETT HYDRO	952	AQUATIC LIFE	150	CHLOROPHYLL-A		3-ND	
2016	NHIMP700060802-02	MERRIMACK RIVER - HOOKSETT HYDRO POND	952	AQUATIC LIFE	205	DISSOLVED OXYGEN SATURATION		3-PAS	2012: CORE PARAMETER WITH NO DATA 2014: AS OF MARCH 2014, THE DATALOGGER DEPLOYMENTS IN THE DATABASE SHOWED DISSOLVED OXYGEN SATURATION AS 0.93 WHERE IT SHOULD HAVE BEEN 93 PERCENT. SOME OF THE DATA (EG 7/27/2010 AT 16E-MER) ARE ROUGH DO PROFILES BUT WERE NOT PROCESSEEDS AS SUCH BY THE DATABASE DUE TO THE COARSE NATURE OF THE DATASETS. ADDITIONALLY, AS THE SITE IS AN IMPOUNDMENT THE DATABASE WAS LOOKING TO PROCESS PROFILES BUT SINCE MANY OF THE SAMPLES DO NOT HAVE A DEPTH RECORDED MULTIPLE SAMPLES ON A STATION WITHGN A GIVEN DATA WERE LEFT AS 0 BE USED IN THE FINAL SUMMARY. COMBINED, THESE TWO ISSUE LEAVE THE DATABASE LOOKING LIKE THERE IS MORE AVAILIABLE DATA THAN IS REALLY THE CASE.
2016	NHIMP700060802-02	MERRIMACK RIVER - HOOKSETT HYDRO	952	AQUATIC LIFE	267	LEAD		3-ND	
2016	NHIMP700060802-02	MERRIMACK RIVER - HOOKSETT HYDRO	952	AQUATIC LIFE	301	NICKEL		3-ND	
2016	NHIMP700060802-02	MERRIMACK RIVER - HOOKSETT HYDRO POND	952	AQUATIC LIFE	313	NONNATIVE FISH, SHELLFISH, OR ZOOPLANKTON		3-PNS	2016: NO CONTROL ACTIONS IMPLEMENTED, DENSITIES REMAIN THE SAME. 2014: THE ASIAN CLAM, NATIVE TO THE FRESHWATER OF SOUTHERN AND EASTERN ASIA, WAS DOCUMENTED AT MULTIPLE LOCATIONS WITHIN MERRIMACK RIVER FROM THE BOW POWER PLANT TO THE MASSACHUSETTS BORDER IN 2011. WHILE CLAMS CAN FORM DENSE CLUSTERS OF OVER 5,000 CLAMS PER SQUARE METER, DOMINATING THE BENTHIC COMMUNITY AND ALTERING THE BENTHIC SUBSTRATE THAT HAS NOT YET BEEN DEMONSTRATED HERE AND HAVE THEREFORE BEEN ASSESSED AS A POTENTIAL PROBLEM.
2016	NHIMP700060802-02	MERRIMACK RIVER - HOOKSETT HYDRO POND	952	AQUATIC LIFE	322	OXYGEN, DISSOLVED		3-PAS	2014: SOME OF THE DATA (EG 7/27/2010 AT 16E-MER) ARE ROUGH DO PROFILES BUT WERE NOT PROCESSEEDS AS SUCH BY THE DATABASE DUE TO THE COARSE NATURE OF THE DATASETS. ADDITIONALLY, AS THE SITE IS AN IMPOUNDMENT THE DATABASE WAS LOOKING TO PROCESS PROFILES BUT SINCE MANY OF THE SAMPLES DO NOT HAVE A DEPTH RECORDED MULTIPLE SAMPLES ON A STATION WITHGN A GIVEN DATA WERE LEFT AS 0 BE USED IN THE FINAL SUMMARY. COMBINED, THESE TWO ISSUE LEAVE THE DATABASE LOOKING LIKE THERE IS MORE AVAILIABLE DATA THAN IS REALLY THE CASE.
2016	NHIMP700060802-02	MERRIMACK RIVER - HOOKSETT HYDRO POND	952	AQUATIC LIFE	441	PH		3-PNS	20100310 - CORE PARAMETER, ADDED WHERE PARAMETER NOT SAMPLED. 2014: HIGH VALUES (>8 PH) IN 2010 WERE DURING PEAK PRODUCTIVITY. PREVIOUS 3 DAY AVERAGE AIR TEMP WAS 85 IN CONCORD AND FLOWS WERE LOW (< 0.5 CFSM) NEAR GOFFS FALLS. THERE ARE ALSO CORRESPONDING HIGH CHL A VALUES (5.9 UG/L) AT THE STATIONS. SAMPLES TAKEN UPSTREAM OF THE IMP SHOW LOWER PH. THE SAMPLES APPEAR TO BE VALID. ALL SAMPLES >8 WERE FROM THE SAME DATE. COLLECT ANOTHER OUND OF SAMPLES UNDER THE LOW FLOW, WARM AND PRODUCTIVE CONDITIONS.
2016	NHIMP700060802-02	MERRIMACK RIVER - HOOKSETT HYDRO	952	AQUATIC LIFE	413	TURBIDITY		3-PAS	20100310 - CORE PARAMETER, ADDED WHERE PARAMETER NOT SAMPLED.
2016	NHIMP700060802-02	MERRIMACK RIVER - HOOKSETT HYDRO	952	AQUATIC LIFE	423	ZINC		3-ND	