

UPDATED OUTFALL INVENTORY AND PRIORITY RANKING

Septebmer 27, 2024

Outfall I.D.	General Street Location	Receiving Water (1)	Known or Suspected Problem	Discharging to Area of Concern to Public Health? (3)	Frequency of Past Discharge Complaints (4)	Receiving Water Quality (5)	Density of Generating Sites (6)	Age of Development / Infrastructure (7)	Historic Combined Sewers or Septic? (8)	Aging Septic? (9)	Culverted Streams? (10)	Date of Outfall Screening Completed	Outfall Screening Results	INFRASTRUCTURE SCORE	PRIORITY RANKING (11)
Information Source:				GIS Maps	Town Staff	Impaired Waters List	Land Use/GIS Maps, Aerial Photography	Land Use Information, Visual Observation	Town Staff, GIS Maps	Land Use, Town Staff	GIS and Storm System Maps				
Scoring Criteria			Yes=1 (Problem Outfall) No=0	Yes=3 No=0	Fequent=3 Occasional=2 None=0	Poor=3 Fair=2 Good=0	High=3 Medium=2 Low=1	High=3 Medium=2 Low=1	Yes=3 No=0	Yes=3 No=1	Yes=3 No=2		Wet=1 Dry=0		
8249	Merrimac Road	Unknown Stream	0	0	0	0	1	2	0	1	2	12/15/22	0	6	Low
8254*	Merrimac Road	Unknown Stream	0	0	0	0	1	2	0	1	2	12/15/22	0	6	Low
8255	Little Pond Road	Woods	0	0	0	0	1	2	0	1	2	8/17/22	0	6	Low
8272	Little Pond Road	Unknown Stream	0	0	0	0	1	2	0	1	2	8/17/22	0	6	Low
8273	Little Pond Road	Unknown Stream	0	0	0	0	1	2	0	1	2	8/17/22	0	6	Low
8275	Little Pond Road	Unknown Stream	0	0	0	0	1	2	0	1	2	8/17/22	0	6	Low
8295	Little Pond Road	Unknown Pond	0	0	0	0	1	2	0	1	2	8/17/22	0	6	Low
8299	Little Pond Road	Unknown Stream	0	0	0	0	1	2	0	1	2	8/17/22	0	6	Low
8307	Spring Hill Road	Unknown Stream	0	0	0	0	1	2	0	1	2	8/17/22	0	6	Low
8309	Spring Hill Road	Unknown Stream	0	0	0	0	1	2	0	1	2	8/17/22	0	6	Low
8310	River Road	Drop Basin	0	0	0	0	1	3	3	3	2	12/15/22	0	12	Low
8311	Little Pond Road	Unknown Stream	0	0	0	0	1	2	0	1	2	8/17/22	0	6	Low
8312	Spring Hill Road	Woods	0	0	0	0	1	2	0	1	2	8/17/22	0	6	Low
8313	Little Pond Road	Unknown Stream	0	0	0	0	1	2	0	1	2	8/17/22	0	6	Low
8314	Little Pond Road	Unknown Stream	0	0	0	0	1	2	0	1	2	8/17/22	0	6	Low
8316	River Road	Unknown Brook	0	0	0	0	1	3	3	3	2	12/15/22	0	12	Low
8317	River Road	Unknown Brook	0	0	0	0	1	3	3	3	2	12/15/22	0	12	Low
8321	Spring Hill Road	Woods	0	0	0	0	1	2	0	1	2	8/17/22	0	6	Low
8322	Little Pond Road	Unknown Pond	0	0	0	0	1	2	0	1	2	8/17/22	0	6	Low
8323	Spring Hill Road	Uknown Stream	0	0	0	0	1	2	0	1	2	8/17/22	0	6	Low
8336	River Road	Merrimack River (MA84A-05)	0	0	0	2	1	3	3	3	2	5/14/24	1	15	High
8345	River Road	Merrimack River (MA84A-05)	0	0	0	2	1	3	3	3	2	5/14/24	1	15	High
8349	Little Pond Road	Woods	0	0	0	0	1	2	0	1	2			6	Low
8350	River Road	Merrimack River (MA84A-05)	0	0	0	2	1	3	3	3	2	5/14/24	0	14	High
8352	River Road	Merrimack River (MA84A-05)	0	0	0	2	1	3	3	3	2	5/14/24	0	14	High
8358	River Road	Merrimack River (MA84A-05)	0	0	0	2	1	3	3	1	2	5/14/24	1	13	High
8359	River Road	Merrimack River (MA84A-05)	0	0	0	2	1	3	3	1	2	5/14/24	0	12	Low
8360	River Road	Merrimack River (MA84A-05)	0	0	0	2	1	3	3	1	2	5/14/24	1	13	High
8361	River Road	Merrimack River (MA84A-05)	0	0	0	2	1	3	3	1	2	5/14/24	1	13	High
8362	Chase Cresent	Unknown Stream	0	0	0	0	1	2	0	1	2	9/8/22	0	6	Low
8363	River Road	Merrimack River (MA84A-05)	0	0	0	2	1	3	3	3	2	5/14/24	0	14	High
8364	River Road	Merrimack River (MA84A-05)	0	0	0	2	1	3	3	1	2	5/14/24	0	12	Low
8365	River Road	Merrimack River (MA84A-05)	0	0	0	2	1	3	3	1	2	5/14/24	1	13	High
8366	Locust Grove Road	Woods	0	0	0	0	1	2	3	3	2	12/15/22	0	11	Low
8367	Pleasant Valley Road	Merrimack River (MA84A-05)	0	0	0	2	1	3	3	3	2	5/14/24	0	14	High
8368	West Parish Lane	Unknown Stream	0	0	0	0	1	2	0	1	2	9/8/22	0	6	Low
8369	Stevens Terrace	Grass Area	0	0	0	0	1	2	0	1	2	9/8/22	0	6	Low
8370	Pleasant Valley Road	Merrimack River (MA84A-05)	0	0	0	2	1	3	3	3	2	5/14/24	0	14	High
8371	Locust Grove Road	Woods	0	0	0	0	1	2	3	3	2	12/15/22	0	11	Low
8372	Pleasant Valley Road	Merrimack River (MA84A-05)	0	0	0	2	1	3	3	3	2	5/14/24	0	14	High
8373	Pleasant Valley Road	Merrimack River (MA84A-05)	0	0	0	2	1	3	3	3	2	8/17/22	0	14	Low
8374	Pleasant Valley Road	Merrimack River (MA84A-05)	0	0	0	2	1	3	3	3	2	8/17/22	0	14	Low
8375	Pleasant Valley Road	Merrimack River (MA84A-05)	0	0	0	2	1	3	3	1	2	8/17/22	0	12	Low
8376	Pleasant Valley Road	Merrimack River (MA84A-05)	0	0	0	2	1	3	3	3	2	5/14/24	1	15	High
8377	Pleasant Valley Road	Merrimack River (MA84A-05)	0	0	0	2	1	3	3	3	2	5/14/24	1	15	High
8378	Pleasant Valley Road	Merrimack River (MA84A-05)	0	0	0	2	1	3	3	1	2	8/17/22	0	12	Low
8379	River Road	Cobblers Brook (MA84A-22)	0	0	0	2	1	3	3	1	2	8/17/22	0	12	Low
8380	Pleasant Valley Road	Merrimack River (MA84A-05)	0	0	0	2	1	3	3	3	2	5/14/24	0	14	High
8381	Pleasant Valley Road	Merrimack River (MA84A-05)	0	0	0	2	1	3	3	3	2	5/14/24	0	14	High
8382	Pleasant Valley Road	Merrimack River (MA84A-05)	0	0	0	2	1	3	3	3	2	5/14/24	1	15	High
8383	Locust Grove Road	Woods	0	0	0	0	1	2	0	3	2	12/15/22	0	8	Low
8384	Pleasant Valley Road	Merrimack River (MA84A-05)	0	0	0	2	1	3	3	3	2	5/14/24	0	14	High
8385	Stevens Terrace	Unknown Stream	0	0	0	0	1	2	0	1	2	9/8/22	0	6	Low
8386	Locust Grove Road	Woods	0	0	0	0	1	2	0	1	2	12/15/22	0	6	Low
8387	Union Street	Woods	0	3	0	0	1	3	3	1	2	8/17/22	0	13	High
8388	Union Street	Woods	0	3	0	0	1	3	3	1	2	8/17/22	0	13	High
8389	Union Street	Woods	0	0	0	0	1	3	3	1	2	8/17/22	0	10	Low
8390	West Parish Lane	Detention Basin	0	0	0	0	1	2	0	1	2	9/29/22	0	6	Low
8391	Orchard Street	Woods	0	0	0	0	1	2	0	1	2	9/29/22	0	6	Low
8392	Middle Street	Woods	0	0	0	0	1	3	3	1	2	5/14/24	0	10	Low
8393	West Parish Lane	Unknown Stream	0	0	0	0	1	2	3	1	2	9/8/22	0	9	Low
8394	Heath Brook Lane	Unknown Stream	0	0	0	0	1	2	0	3	2	5/23/24	0	8	Low
8395	West Parish Road	Unknown Stream	0	0	0	0	1	2	3	1	2	9/8/22	0	9	Low
8396	Orchard Street	Woods	0	0	0	0	1	2	0	1	2	9/29/22	0	6	Low
8397	Orchard Street	Woods	0	0	0	0	1	2	0	1	2	9/29/22	0	6	Low
8398	Orchard Street	Woods	0	0	0	0	1	2	0	1	2	9/29/22	0	6	Low

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Scoring Criteria			Yes=1 (Problem Outfall) No=0	Yes=3 No=0	Frequent=3 Occasional=2 None=0	Poor=3 Fair=2 Good=0	High=3 Medium=2 Low=1	High=3 Medium=2 Low=1	Yes=3 No=0	Yes=3 No=1	Yes=3 No=2		Wet=1 Dry=0		
8399	Orchard Street	Woods	0	0	0	0	1	2	0	1	2	9/29/22	0	6	Low
8400	Broad Street	Cobblers Brook (MA84A-22)	0	0	0	0	2	3	3	1	2	8/17/22	0	11	Low
8401	Broad Street	Cobblers Brook (MA84A-22)	0	0	0	0	2	3	3	1	2	8/17/22	0	11	Low
8402	Broad Street	Cobblers Brook (MA84A-22)	0	0	0	0	2	3	3	1	2	8/17/22	0	11	Low
8403	Broad Street	Cobblers Brook (MA84A-22)	0	0	0	0	2	3	3	1	2	8/17/22	0	11	Low
8404	Sunset Terrace	Woods	0	0	0	0	1	2	0	1	2	5/14/24	0	6	Low
8405	Champion Street	Woods	0	0	0	0	1	2	0	1	2	5/14/24	0	6	Low
8406	Champion Street	Woods	0	0	0	0	1	2	0	1	2	5/14/24	0	6	Low
8407	Broad Street	Cobblers Brook (MA84A-22)	0	0	0	0	1	3	3	1	2	8/17/22	0	10	Low
8408	Broad Street	Cobblers Brook (MA84A-22)	0	0	0	0	1	3	3	1	2	8/17/22	0	10	Low
8409	West Main Street	Cobblers Brook (MA84A-22)	0	0	0	0	3	3	3	1	2	8/17/22	0	12	Low
8410	Broad Street	Cobblers Brook (MA84A-22)	0	0	0	0	3	3	3	1	2	8/17/22	0	12	Low
8411	Broad Street	Cobblers Brook (MA84A-22)	0	0	0	0	3	3	3	1	2	8/17/22	0	12	Low
8412	Hadley Road	Woods	0	0	0	0	1	3	0	3	2	5/14/24	0	9	Low
8413	Broad Street	Cobblers Brook (MA84A-22)	0	0	0	0	3	3	3	1	2	8/17/22	0	12	Low
8414	Hadley Road	Woods	0	0	0	0	1	3	0	3	2	5/14/24	0	9	Low
8415	Burnside Lane	Swale/Unknown Stream	0	0	0	0	1	2	0	1	2	5/14/24	1	7	Low
8416	Liberty Street	Cobblers Brook (MA84A-22)	0	0	0	0	2	3	3	1	2	8/17/22	0	11	Low
8417	Hadley Road	Woods	0	0	0	0	1	3	0	3	2	5/14/24	0	9	Low
8418	Willowdale Drive	Cobblers Brook Tributary	0	0	0	0	1	2	0	1	2	12/15/22	0	6	Low
8419	Winter Street	Cobblers Brook Tributary	0	0	0	0	1	3	0	3	2	12/15/22	0	9	Low
8420	Willowdale Drive	Cobblers Brook Tributary	0	0	0	0	1	2	0	1	2	12/15/22	0	6	Low
8421	Chruch Street	Cobblers Brook Tributary	0	0	0	0	1	3	0	3	2	12/15/22	0	9	Low
8422	Attitash Avenue	Woods	0	0	0	0	1	3	3	1	2	5/14/24	1	11	High
8423	Church Street	Cobblers Brook Tributary	0	0	0	0	1	3	0	3	2	12/15/22	0	9	Low
8424	Church Street	Cobblers Brook Tributary	0	0	0	0	1	3	0	3	2	12/15/22	0	9	Low
8425	Willowdale Drive	Cobblers Brook Tributary	0	0	0	0	1	2	0	1	2	12/15/22	0	6	Low
8426	Winter Street	Cobblers Brook Tributary	0	0	0	0	1	3	0	3	2	12/15/22	0	9	Low
8427	Winter Street	Cobblers Brook Tributary	0	0	0	0	1	3	0	3	2	12/15/22	0	9	Low
8428	Attitash Avenue	Wood/Wetland	0	0	0	0	1	3	3	1	2	5/14/24	0	10	Low
8429	Attitash Avenue	Wood/Wetland	0	0	0	0	1	3	3	1	2	5/14/24	0	10	Low
8430	Church Street	Woods/Cobblers Brook Tributary	0	0	0	0	1	3	3	1	2	12/15/22	0	10	Low
8431	Church Street	Wood/Wetland	0	0	0	0	1	3	3	1	2	5/23/24	0	10	Low
8432	Church Street	Cobblers Brook Tributary	0	0	0	0	1	3	3	1	2	5/23/24	0	10	Low
8433	Church Street	Cobblers Brook Tributary	0	0	0	0	1	3	3	1	2	5/23/24	0	10	Low
8434	Attitash Avenue	Lake Attitash (MA84002)	0	3	0	2	1	3	3	1	2	8/17/22	0	15	High
8435	Hansom Drive	Cobblers Brook (MA84A-22)	0	0	0	0	1	2	0	1	2	5/23/24	0	6	Low
8436	Meadow Avenue	Lake Attitash (MA84002)	0	3	0	2	1	3	3	1	2	8/17/22	0	15	High
8437	Bear Hill Road	Woods	0	0	0	0	1	3	0	3	2	8/17/22	0	9	Low
8438	Hansom Drive	Cobblers Brook (MA84A-22)	0	0	0	0	1	2	0	1	2	5/23/24	0	6	Low
8439	Highland Road	Woods	0	0	0	0	1	3	0	3	2	5/23/24	0	9	Low
8440	Hansom Drive	Cobblers Brook (MA84A-22)	0	0	0	0	1	2	0	1	2	5/23/24	0	6	Low
8441	West Shore Road	Woods (close to Lake Attitash)	0	0	0	0	1	1	0	1	2	8/17/22	0	5	Low
8442	Red Oak Acres	Cobblers Brook (MA84A-22)	0	0	0	0	1	2	0	1	2	5/23/24	1	7	High
8443	West Shore Road	Lake Attitash (MA84002)	0	3	0	2	1	3	3	1	2	8/17/22	0	15	High
8444	Red Oak Acres	Cobblers Brook (MA84A-22)	0	0	0	0	1	2	0	3	2	5/23/24	0	8	Low
8445	Harriman Road	Cobblers Brook (MA84A-22)	0	0	0	0	1	3	0	3	2	5/23/24	0	9	Low
8446	Harriman Road	Cobblers Brook (MA84A-22)	0	0	0	0	1	3	0	3	2	5/23/24	1	10	High
8447	Harriman Road	Cobblers Brook (MA84A-22)	0	0	0	0	1	3	0	1	2	5/23/24	1	8	High
8448	Alnette Street	Lake Attitash (MA84002)	0	3	0	2	1	3	3	1	2	8/17/22	0	15	High
8449	Battis Road	Woods	0	0	0	0	1	3	0	3	2	5/23/24	0	9	Low
8450	Equestrian Way	Unknown Stream	0	0	0	0	1	2	0	3	2	5/23/24	0	8	Low
8451	Hadley Road	Unknown Stream	0	0	0	0	1	2	0	3	2	5/23/24	0	8	Low
8452	Equestrian Way	Unknown Stream	0	0	0	0	1	2	0	3	2	5/23/24	1	9	High
8453	Ashley Lane	Grass Area	0	0	0	0	1	1	0	1	2	5/23/24	1	6	High
8454	Brush Hill Road	Woods	0	0	0	0	1	2	0	3	2	5/23/24	0	8	Low
8455	Brush Hill Road	Unknown Stream	0	0	0	0	1	3	0	3	2	5/23/24	0	9	Low
8456	Brush Hill Road	Unknown Stream	0	0	0	0	1	3	0	3	2	5/23/24	0	9	Low
8457	Bear Hill Road	Woods	0	0	0	0	1	3	0	3	2	5/23/24	0	9	Low

Scoring Criteria:

- (2) Previous screening results indicate likely sewer input if any of the following are true:
  - Olfactory or visual evidence of sewage,
  - Ammonia ≥ 0.5 mg/L, surfactants ≥ 0.25 mg/L, and bacteria levels greater than the water quality criteria applicable to the receiving water, or
  - Ammonia ≥ 0.5 mg/L, surfactants ≥ 0.25 mg/L, and detectable levels of chlorine
- (3) Outfalls/interconnections that discharge to or in the vicinity of any of the following areas: public beaches, recreational areas, drinking water supplies, or shellfish beds
- (5) Receiving water quality based on latest version of MassDEP Integrated List of Waters.

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- Poor = Waters with approved TMDLs (Category 4a Waters) where illicit discharges have the potential to contain the pollutant identified as the cause of the impairment
  - Fair = Water quality limited waterbodies that receive a discharge from the MS4 (Category 5 Waters)
  - Good = No water quality impairments
- (6) Generating sites are institutional, municipal, commercial, or industrial sites with a potential to contribute to illicit discharges (e.g., car dealers, car washes, gas stations, garden centers, industrial manufacturing, etc.)
- (7) Age of development and infrastructure:
- High = Industrial areas greater than 40 years old and areas where the sanitary sewer system is more than 40 years old
  - Medium = Developments 20-40 years old
  - Low = Developments less than 20 years old
- (8) Areas once served by combined sewers and but have been separated, or areas once served by septic systems but have been converted to sanitary sewers. It should be noted that Merrimac has no combined sewers.
- (9) Aging septic systems are septic systems 30 years or older in residential areas.
- (10) Any river or stream that is culverted for distance greater than a simple roadway crossing

SME Assumptions:

- (1) Highlighted responses were produced by SGC as either a new entry or revised from Merrimac's reporting records.
- (2) "N/A" values were reports as "NO" to Dry Weather Testing within Merrimac's reporting records. All others were assumed "0" until Dry Weather Testing results can be reviewed.
- (4) Assumed no previous discharge complaints.
- (5) Cobblers Brook (MA84A-22) is categorized as a 4C water = 0, Lake Attitash (MA84002) is categorized as a 5 water = 2, Merrimack River (MA84A-05) is categorized as a 5 water = 2.
- (6) Generating sites are institutional, municipal, commercial or industrial sites. For the purposes of this, we have assumed only municipal uses in Merrimac.
- (7) Areas over 40 years old = 3, Areas of development 20-40 years old = 2, Areas of development less than 20 years old = 1.
- (9) Areas where septic systems could potentially be older than 30 years.
- (10) This category was difficult to determine from GIS mapping. Requires site inspection of additional information from Merrimac. We assumed there are no streams culverted longer than a standard road crossing.
- (11) Further investigation is required to determine if some outfalls can be prioritized as "excluded".
- \* Outfalls that should be removed from Inventory