

**Table G-1. Outfall Catchment System Vulnerability Factor (SVF) Inventory
Cambridge, Massachusetts Revision Date: 09/22/2021**

Outfall ID	Receiving Water	1 History of SSOs*	2 Common or Twin Invert Manholes	3 Common Trench Construction	4 Storm/Sanitary Crossings (Sanitary Above)	5 Sanitary Lines with Underdrains	6 Inadequate Sanitary Level of Service	7 Areas Formerly Served by Combined Sewers	8 Sanitary Infrastructure Defects	9 SSO Potential In Event of System Failures	10 Sanitary and Storm Drain Infrastructure >40 years Old	11 Septic with Poor Soils or Water Table Separation	12 History of BOH Actions Addressing Septic Failure
D10 Endicott St	Charles River	Yes	Yes	Yes	No	Data Not Available	No	Yes	Yes	No	Yes	No	No
D12 Talbot St	Charles River	Yes	Yes	Yes	No	Data Not Available	No	Yes	Yes	No	Yes	No	No
D17A Western Ave	Charles River	No	Yes	No	No	Data Not Available	No	Yes	Yes	No	Yes	No	No
D36 Alewife Stormwater	Alewife Brook	Yes	Yes	Yes	No	Data Not Available	No	Yes	Yes	yes	Yes	No	No
D44 Matignon Rd	Alewife Brook	No	Yes	Yes	No	Data Not Available	No	No	Yes	No	Yes	No	No
D38 N of CambridgePark Dr	Alewife Brook	Yes	Yes	No	No	Data Not Available	No	No	Yes	No	Yes	Yes	No
D31 Sparks St	Charles River	Yes	Yes	Yes	Yes	Data Not Available	No	No	Yes	No	Yes	No	No
D21 Dewolfe St	Charles River	No	Yes	No	Yes	Data Not Available	No	Yes	Yes	No	Yes	No	No
D27 University Rd	Charles River	Yes	No	No	No	Data Not Available	No	Yes	Yes	No	Yes	No	No
D07 Broad Canal	Charles River	Yes	Yes	Yes	Yes	Data Not Available	No	Yes	Yes	No	Yes	No	No
D19 Flagg St	Charles River	Yes	Yes	Yes	No	Data Not Available	No	Yes	Yes	No	Yes	No	No
D33 Blanchard Rd @ Wellington	Alewife Brook	No	No	No	No	Data Not Available	No	Yes	Yes	Yes	Yes	No	No
D46 Acorn Park Dr	Alewife Brook	No	No	No	No	No	No	No	Yes	yes	No	No	No
D02 Lechmere Canal	Charles River	No	No	Yes	No	Data Not Available	No	No	Yes	No	Yes	No	No
D03B Museum Way	Charles River	Yes	No	No	No	Data Not Available	No	No	Yes	No	Yes	No	No
D03C North Point	Charles River	No	No	No	No	No	No	No	No	Yes	No	No	No
D03D Lechmere Canal (New)	Charles River	Yes	No	No	No	Data Not Available	No	Yes	Yes	No	Yes	No	No
D04 Main St	Charles River	No	Yes	Yes	No	Data Not Available	No	No	Yes	No	Yes	No	No
D05 Wadsworth St	Charles River	No	Yes	Yes	No	No	No	No	No	Yes	Yes	No	No
D06 Ames St	Charles River	No	Yes	Yes	No	Data Not Available	No	No	Yes	No	Yes	No	No
D08 Mass Ave @ Mem Dr	Charles River	Yes	Yes	No	No	Data Not Available	No	Yes	Yes	No	Yes	No	No
D09 Danforth St	Charles River	No	Yes	Yes	No	Data Not Available	No	No	Yes	No	Yes	No	No
D11 Amesbury St	Charles River	Yes	Yes	Yes	No	Data Not Available	No	No	Yes	No	Yes	No	No
D15 Pearl St	Charles River	No	Yes	Yes	No	Data Not Available	No	No	Yes	No	Yes	No	No
D16 Pleasant St	Charles River	Yes	Yes	Yes	Yes	Data Not Available	No	Yes	Yes	No	Yes	No	No
D18 Higham St	Charles River	No	No	No	No	Data Not Available	No	Yes	Yes	No	Yes	No	No
D23 JFK East	Charles River	No	No	No	No	Data Not Available	No	No	Yes	No	Yes	No	No
D25 JFK West	Charles River	Yes	No	Yes	No	Data Not Available	No	Yes	Yes	No	Yes	No	No
D28 Brewer St	Charles River	Yes	Yes	Yes	No	Data Not Available	No	No	Yes	No	Yes	No	No
D33A Blanchard Rd	Alewife Brook	No	Yes	Yes	No	Data Not Available	No	No	Yes	No	Yes	No	No
D34 Normandy Terr	Alewife Brook	Yes	Yes	Yes	Yes	Data Not Available	No	No	Yes	No	Yes	No	No
D40 Harrison Ave	Alewife Brook	Yes	Yes	Yes	No	Data Not Available	No	Yes	Yes	No	Yes	No	No
D50 Cemetery Drainage 237	Charles River	No	No	No	No	Data Not Available	No	No	Yes	No	Yes	Yes	No
D51 Kendall St	Charles River	No	Yes	No	No	Data Not Available	No	No	Yes	No	Yes	No	No
D53 Binney St	Charles River	Yes	Yes	No	No	Data Not Available	No	Yes	Yes	No	Yes	No	No
D55 River St	Charles River	Yes	No	No	No	Data Not Available	No	No	Yes	No	Yes	No	No

*areas that have sewer pipes with flat slopes, restrictions and FOG issues requiring regular maintenance that could contribute to SSO issues

Presence/Absence Evaluation Criteria:

1. History of SSOs, including, but not limited to, those resulting from wet weather, high water table, or fat/oil/grease blockages
2. Common or twin-invert manholes serving storm and sanitary sewer alignments
3. Common trench construction serving both storm and sanitary sewer alignments
4. Crossings of storm and sanitary sewer alignments where the sanitary system is shallower than the storm drain system
5. Sanitary sewer alignments known or suspected to have been constructed with an underdrain system
6. Inadequate sanitary sewer level of service (LOS) resulting in regular surcharging, customer back-ups, or frequent customer complaints
7. Areas formerly served by combined sewer systems
8. Sanitary sewer infrastructure defects such as leaking service laterals, cracked, broken, or offset sanitary infrastructure, directly piped connections between storm drain and sanitary sewer infrastructure, or other vulnerability factors identified through Inflow/Infiltration Analyses, Sanitary Sewer Evaluation Surveys, or other infrastructure investigations
9. Sewer pump/lift stations, siphons, or known sanitary sewer restrictions where power/equipment failures or blockages could readily result in SSOs
10. Any sanitary sewer and storm drain infrastructure greater than 40 years old
11. Widespread code-required septic system upgrades required at property transfers (indicative of inadequate soils, water table separation, or other physical constraints of the area rather than poor owner maintenance)
12. History of multiple Board of Health actions addressing widespread septic system failures (indicative of inadequate soils, water table separation, or other physical constraints of the area rather than poor owner maintenance)