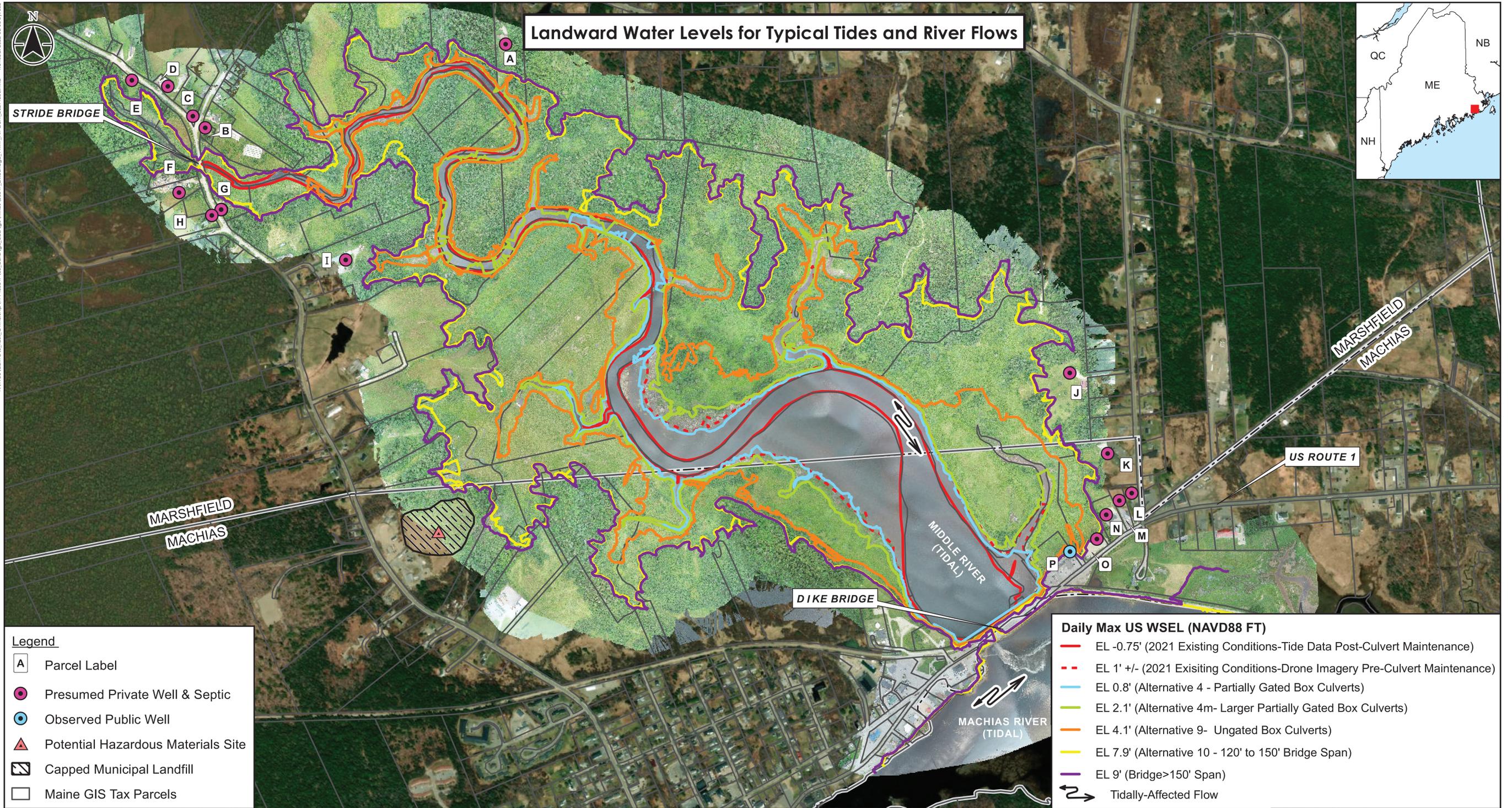


V:\195A\active\0_Task_Owner\p179450347_03_data\qgs_coad\qgs\MapDocs\50347_DikeBridge_11x17_Alt-Cont_20211206.mxd
 Review: 2022-02-03 By: EPL



Landward Water Levels for Typical Tides and River Flows

Legend

- A Parcel Label
- Presumed Private Well & Septic
- Observed Public Well
- ▲ Potential Hazardous Materials Site
- Capped Municipal Landfill
- Maine GIS Tax Parcels

Daily Max US WSEL (NAVD88 FT)

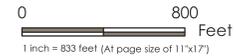
- EL -0.75' (2021 Existing Conditions-Tide Data Post-Culvert Maintenance)
- - - EL 1' +/- (2021 Existing Conditions-Drone Imagery Pre-Culvert Maintenance)
- EL 0.8' (Alternative 4 - Partially Gated Box Culverts)
- EL 2.1' (Alternative 4m- Larger Partially Gated Box Culverts)
- EL 4.1' (Alternative 9- Ungated Box Culverts)
- EL 7.9' (Alternative 10 - 120' to 150' Bridge Span)
- EL 9' (Bridge > 150' Span)
- ↔ Tidally-Affected Flow

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 Reviewed by TM on 2021-12-06
 50347_DikeBridge_11x17_Alt-Cont_20211206.mxd

- Notes**
1. Existing conditions are based on 2021 tidal stage data that was collected after leaking gates were fixed and 2021 drone imagery collected by MaineDOT before the leaking gates were fixed and represent a range of potential existing conditions.
 2. Approximate water surface elevations (WSEL) for proposed alternatives are based on the 2021 Phase 1 and Phase 2 hydraulics analyses using tidal stage data collected by MaineDOT in 2021.
 3. Coordinate System: NAD 1983 UTM Zone 19N FT
 4. Vertical Datum: NAVD88
 5. Aerial imagery in the project area was obtained by unmanned aircraft vehicle (UAV) by MaineDOT on July 20, 2021.
 6. Aerial imagery surrounding the project area is provided by ArcGIS Online World Imagery Mapping Service (http://server.arcgisonline.com/arcgis/services/World_Imagery/MapServer).
 7. TIN Surface information is based on survey data provided by the Maine Department of Transportation.



Client/Project
 Maine DOT
 Dike Bridge
 Machias, Maine

Figure No.
 B-1

Title
 Landward Water Levels for
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 2/3/2022

DRAFT

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