

News from Nehalem Marine MFG

Little Pompey

Nehalem Marine Mfg. recently finished replacing and improving the tidegates at the Little Pompey Wetland area.



Old Tidegates

Previously this area was managed by a triple barrel culvert system with top hinge tidegates. These gates were not very cohesive with fish passage as they remained closed for long periods of time and were not set deep enough in the stream bed.

Nehalem Marine Mfg. started the replacement by setting the high-density polyethylene five foot culvert one foot lower than the previous system to better match the elevation of the natural stream bed so that the water flow and fish passage would be improved. This was fitted with a side hinge aluminum tidegate(NSG5ra). This tidegate is governed by a Muted Tidal Regulator(MTR) system.

This MTR system is a revolutionary system invented by Leo Kuntz (owner of Nehalem Marine Mfg.) It opens the tide gate based on the interior water level instead of the exterior water level. The MTR can be set to open the gate at different water levels. This allows for the gates to remain open for longer periods of time.

The new tidegate system will improve fish passage and allow the Little Pompey Wetland to remain a productive salt marsh habitat for rearing juvenile OC coho salmon.



MTR System being built



NSG5ra Tidegate



NSG5ra Tidegate Installed



MTR System Installed

