

Nitrogen Transport Index

Niantic River Watershed (HUC 12)

Nitrogen Transport Index (NTI, range 0 to 100%) estimates the percentage of N originating at a given location within a watershed that is expected to reach downstream receiving waters, such as a coastal embayment.

Hotter colors denote more N reaching receiving waters while cooler colors denote lower N transport from a given point on the map. N-Sink estimates N removal within landscape sinks — wetlands, streams and ponds (see N Removal Efficiency map). The NTI is based on particle tracking from origin to receiving water, with N removal occurring within the landscape sinks encountered along that path. Particle tracking and N removal estimates use hydrologic data from NHDPlus V2, land cover data from NLCD (2016, 30 m) and soils data from SSURGO. Flow path removal was calculated for all points and interpolated, resulting in raster flow path removal with a ~30m resolution.

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