

TJ Mascia

April 14, 2021

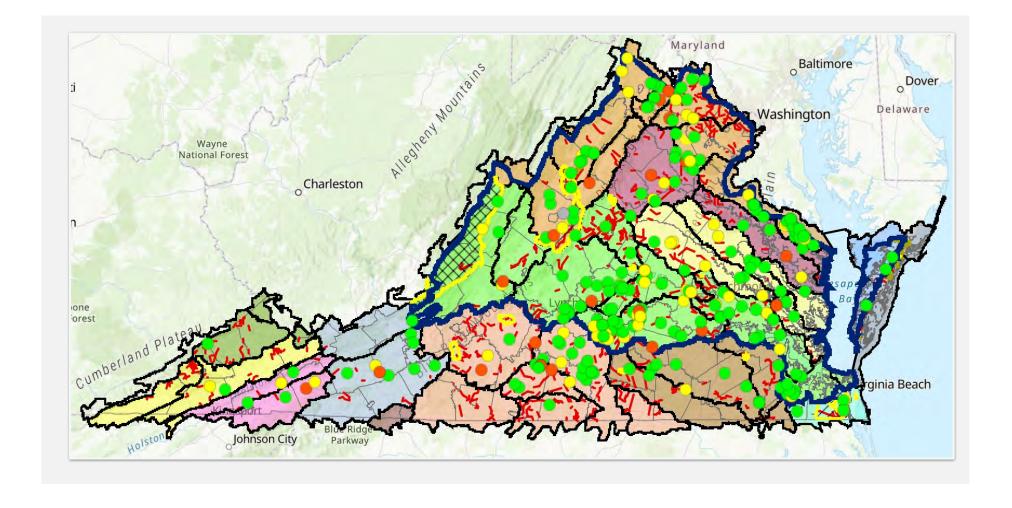
CHANGES AFFECTING THE GENERATION AND USE OF NUTRIENT CREDITS

Generation

- Crediting
- Credit Release

Use

- Service Area





CREDIT GENERATION

► Land Conversion Rates (GM20-2001, effective March 2020)

Watershed	Old Rate (lbs TP/Ac)	New Rate (lbs TP/Ac)	Change
Potomac 02070011	0.74	0.11	-0.63
James 02080208	0.93	0.14	-0.79
Potomac 02070005	0.81	1.59	+0.78

► 5% Credit Retirement (9VAC25-900-90.A.)

► Credit Release (9VAC25-900-90.B.)

Land Conversion: 1-3 years

Stream Restoration: 4+ years

▶ Stream Restoration

Site Specific Bulk Density and Soil TP/TN

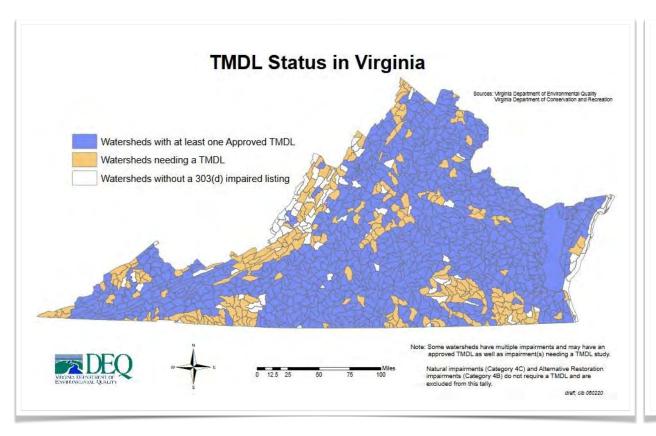
Delivery Factors

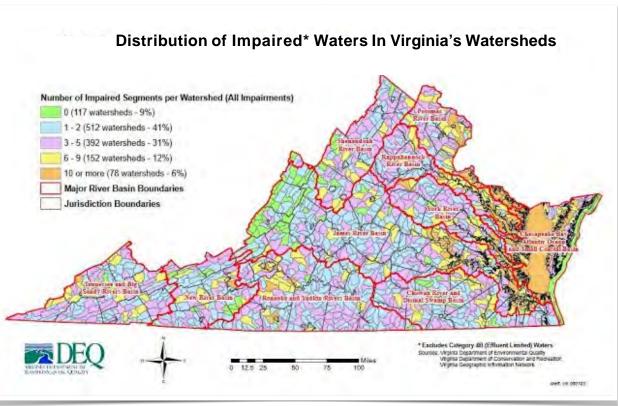
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CREDIT USE

Service Area Restrictions

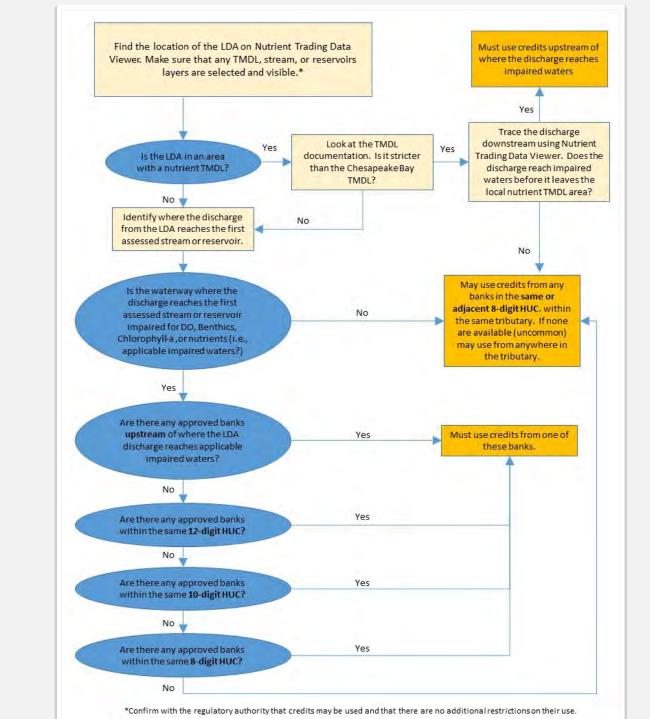
- Standard Credit Usage
- Impaired Waters
- Local TMDL





CREDIT USE

New Service Area Hierarchy





CREDIT USE

► Impaired Waters Example





IMPAIRMENT APPLICABILITY DETERMINATION

Per 9VAC25-900-91.C.2, the impaired waters hierarchy does not apply when it has been demonstrated to DEQ's satisfaction that the applicable impairment is not likely caused by nutrients.

- Case-specific determination
- Nutrient concentrations below those considered to have a low probability of causing stress to the benthic assemblage (DEQ Technical Bulletin WQA/2017-001)
- All TN concentrations < 1.0 mg/L, TP concentrations < 0.05 mg/L
- Median values for all recorded measurements below 0.5 mg/L (TN) and 0.02 mg/L (TP)



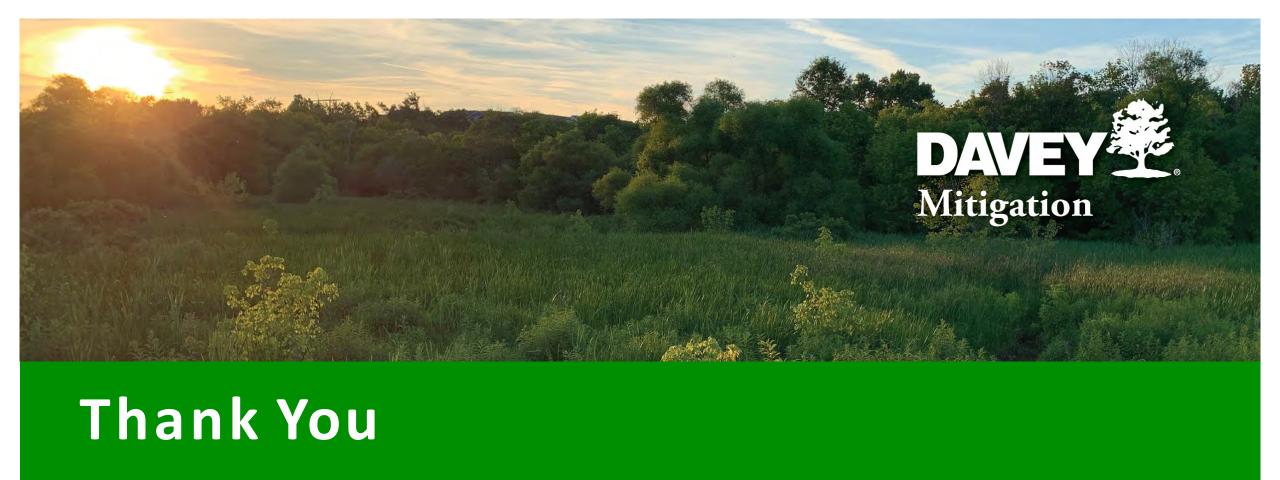
DEQ NUTRIENT DATA TRADING VIEWER

Click here to explore

links to https://vadeq.maps.arcgis.com/apps/webappviewer/index.html?id=227927eefaf64c47853c081760077216







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