

**Background:**

During the April 2011 ELI States' 303(d) Program Workshop, participants expressed interest in having EPA collate and share examples of E. coli TMDLs developed using a translator from fecal coliform data.

**Examples of E. coli TMDLs developed using a translator method from fecal coliform:**

<b>State/ Territory</b>	<b>Waterbody Name</b>	<b>TMDL Document Name</b>	<b>Method</b>	<b>Link to TMDL Document</b>
OH	Yellow Creek	TMDL for the Yellow Creek Watershed	Regression equation (see document link below)	Appendix C: TMDL Analysis for Yellow Creek and Little Yellow Creek Watersheds found at: <a href="http://www.epa.ohio.gov/portals/35/tmdl/YellowCreekTMDL_final_nov09_appC.pdf">http://www.epa.ohio.gov/portals/35/tmdl/YellowCreekTMDL_final_nov09_appC.pdf</a>
OH	Wabash River	Wabash River Nutrient and Pathogen TMDL (2006)	Regression equation (see document link below)	<a href="http://www.epa.state.il.us/water/tmdl/report/wabash/wabash-river-final-tmdl.pdf">http://www.epa.state.il.us/water/tmdl/report/wabash/wabash-river-final-tmdl.pdf</a>
OR	All E. coli TMDLs done over the past 10 years	All E. coli TMDLs done over the past 10 years	Regression equation (see document link below)	Oregon TMDLs can be pulled from EPA's ATTAINS database at: <a href="http://iaspub.epa.gov/tmdl_waters10/attains_impaired_waters.tmdls?p_state=OR">http://iaspub.epa.gov/tmdl_waters10/attains_impaired_waters.tmdls?p_state=OR</a>
OR	John Day River	John Day River Basin TMDL ( 2010)	Regression equation (see document link below)	<a href="http://www.deq.state.or.us/WQ/TMDLs/docs/johndaybasin/TMDLlandWQMPPFINAL.pdf">http://www.deq.state.or.us/WQ/TMDLs/docs/johndaybasin/TMDLlandWQMPPFINAL.pdf</a>
VA	Blue Run	TMDL for the Recreation Use (Bacteriological) Impairments on the Rapidan River and Four of its Tributaries (2007)	Regression equation (see attachment)	<a href="http://www.deq.virginia.gov/tmdl/apptmdls/rapprvr/rapidanec.pdf">http://www.deq.virginia.gov/tmdl/apptmdls/rapprvr/rapidanec.pdf</a>
VA	Broad Run	TMDL for primary contact use (bacteriological) impairments on Broad Run, South Run, Head Creek, Little Bull Run, Bull Run, and the Occoquan River	Regression equation (see attachment)	<a href="http://www.deq.virginia.gov/tmdl/apptmdls/potrvr/occoquan.pdf">http://www.deq.virginia.gov/tmdl/apptmdls/potrvr/occoquan.pdf</a>

		Watersheds (2006)		
VA	Sandy Creek	Bacteria TMDL Development for the Dan River, Blackberry Creek, Byrds Branch, Double Creek, Fall Creek, Leatherwood Creek, Marrowbone Creek, North Fork Mayo River, South Fork Mayo River, Smith River, Sandy Creek, and Sandy River Watershed (2008)	Regression equation (see attachment)	<a href="http://www.deq.state.va.us/export/sites/default/tmdl/apptmdls/roankrvr/danec.pdf">http://www.deq.state.va.us/export/sites/default/tmdl/apptmdls/roankrvr/danec.pdf</a>

**Note:** Most approved TMDL documents can be located in EPA's Assessment and Total Maximum Daily Loads (TMDL) Tracking and Implementation System (ATTAINS) at: <http://www.epa.gov/waters/ir/>

**Translator methodologies:**

**D.C.:** Regression equation using paired datasets. Methodology paper reviews several other methods used by OH, VA, MD and OR. D.C.'s translated TMDLs for 24 impaired waterbodies will be completed in **2014** under a consent decree. [see attachment]

**Ohio:** Regression equation approach. Description of approach available at: [http://www.epa.ohio.gov/portals/35/tmdl/YellowCreekTMDL\\_final\\_nov09\\_appD.pdf](http://www.epa.ohio.gov/portals/35/tmdl/YellowCreekTMDL_final_nov09_appD.pdf)

**Oregon:** Regression equation approach. Description of the approach accessed at: <http://onlinelibrary.wiley.com/doi/10.1111/j.1752-1688.2005.tb03716.x/pdf>

**Virginia:** Regression equation method. [see attachment]