From: John, Forrest
To: Watson, Jane
Subject: NEW MEXICO NUMERIC NUTRIENTS TRANSLATOR DEVELOPMENT
Date: Thursday, September 05, 2013 12:05:00 PM

Jane as mentioned,

> In cooperation with the New Mexico Environment Department, the EPA Office of Science and Technology and Region 6, the state is being provided contractor support by the EPA Nutrient Scientific Technical Exchange Partnership and Support program (N-Steps) for the continued development of numeric nutrient translators (i.e., criteria) for perennial wadeable streams in New Mexico.

Specially, the nutrient criteria development is being pursued in a stepwise criteria development approach as described in *Empirical Approaches for Nutrient Criteria Derivation* (USEPA 2009) for the nutrient development protocol framework, except the goal at this time is to propose numeric TN and TP translators to be used as part of New Mexico's narrative nutrient water quality standard (in lieu of the current ecoregional TN and TP values) rather than actual water quality criteria until the numeric translators have been successfully tested through bioconfirmation. The Empirical Approach for Nutrient Criteria framework includes five steps, (1) Selecting and Evaluating Data; (2) Assessing the Strength of the Cause-Effect Relationship; (3) Analyzing Data; (4) Evaluating Estimated Stressor-Response relationship; and (5) Evaluating Candidate Stressor-Response Criteria. We are currently at the step one phase of the project with, at the current pace, completion early to mid 2015.

Cheers

Forrest B. John
EPA-Region 6
Dallas, Texas
(214) 665-8368
(214) 665-6689 (FAX)
e-mail: john.forrest@epamail.epa.gov

"Far better it is to dare mighty things, to win glorious triumphs, even though checkered by failure, than to take rank with those poor spirits who neither enjoy much nor sn uffer much, because they live in the gray twilight that knows not victory or defeat." ~ Theodore Roosevelt

"...and 'tis our fast [first] intent to shake all cares and business from our age [of our state]; Conferring them on younger strengths, while we unburden'd crawl toward death..." ~ William Shakespeare's King Lear, Act I

"In every free and deliberating society, there must, from the nature of man, be opposite parties and...dissensions and discords;..." ~ Thomas Jefferson, 1798