

CEAP RELEVANT RESEARCH WATERSHED STUDY

<p>Name of Project Effects of Nutrient Enrichment on Stream Ecosystems (NEET)</p>	<p>Location (State, River, HUC) Washington- Central Columbia Plateau and Yakima River Basin Nebraska- Central Nebraska Basins Ohio, Indiana- White, Great, and Little Miami River Basins Georgia, Florida- Apalachicola-Chattahoochee-Flint River Basins Maryland, Delaware- Potomac River Basin and Delmarva Peninsula</p>
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<p>Purpose of Project (Goals and Objectives) Provide nationally consistent and comparable data on nutrient conditions, including how these various conditions vary as a result of natural and human related factors, and how nutrient conditions affect algae and other biological communities.</p>	
<p>Description of Project (Landscape, Models, Practices)</p> <ol style="list-style-type: none">1) Determine total algal biomass and abundance, type, and diversity of algal and aquatic insect communities in streams with different nutrient conditions, watershed characteristics, habitat, climate, and other natural factors.2) Determine interrelations among nutrient conditions, algal communities, and stream metabolism.3) Determine transport, chemical transformation, and retention of nutrients in the water column and surrounding sediments, and resulting effects on biological ground water/surface water interactions.4) Determine the extent to which associations between nutrient conditions and biological communities occur over geographic regions with similar natural features, landscape characteristics, and biological communities	