

APPALACHIAN LANDSCAPE CONSERVATION COOPERATIVE GRANT 2013 PROGRESS REPORT

Quarter: (circle one) 2013 1st 2013 2nd 2013 3rd 2013 4th

Grant Program, Number and Title: 2012-03, Development of a hydrologic foundation and flow-ecology relationships for monitoring riverine resources in the Marcellus Shale region

Organization: New York Cooperative Fish and Wildlife Research Unit, 211 Fernow Hall,
Cornell University, Ithaca, NY 14853

Project Leader: William L. Fisher, wlf9@cornell.edu, 607-255-2839

ALCC Need Addressed: Inventory and review of ecological flow models and monitoring networks with applicability to Appalachian watersheds

Were planned goals/objectives achieved last quarter? Yes

Progress Achieved: (For each Goal/Objective, list Planned and Actual Accomplishments)

Goal 1: Determine what ecological flow models that predict both low and high flows and are in use or are applicable to the Marcellus Shale region.

Objective 1: Literature review of hydrologic models currently used within the Marcellus Shale region.

Accomplishments.—See Phase One Report.

Objective 2: Development of geo-referenced stream gage database.

Accomplishments.—See Phase One Report.

Objective 3: Contact and coordination with users and developers of stream flow modeling tools.

Accomplishments.—See Phase One Report.

Objective 4: Development of geo-referenced stream biological database for the Marcellus Shale region.

Accomplishments.—See Phase One Report.

Difficulties Encountered: Project responsibilities were transferred from Dr. William L. Fisher, who is retiring in August 2013, to Dr. Todd Walter, Department of Biological and Environmental Engineering, Riley-Robb Hall, Room 222, Cornell University, Ithaca, NY 14853, email: mtw5@cornell.edu, phone: 607/255-2488.

Activities Anticipated Next Quarter:

Phase II of the project will commence.

Expected End Date: 30 June 2014

Costs:

Funds Expended Previous to this Report: \$36,184

Amount of ALCC Funds Requested within this Report: \$12,897

Total Approved Budgeted ALCC Funds: \$153,206

Are you within the approved budget plan? Yes

Are you within approved budget categories? Yes

Signature: William L. Fisher

Date: 7/15/2013