**NLCD Attribute Allocation/Accumulation File Formats**

The NLCD attribute allocation and accumulation files are in the native format produced by the NHDPlus CA3T tool[1]. Each allocation and accumulation file is a comma delimited text file with text data in double quotes. The files contain a header which describes the fields in the subsequent data lines.

The header line will contain a list of fieldnames for the data in the file:

ComID,MissDataA,<attrtype1>,<attrname1>,…,<attrtypeN>,<attrnameN>,hydroseq

Each line following the header line will contain actual data for a single NHDPlus Flowline/Catchment ComID:

comid, missdataarea,attrvaltype1,attributevalue1, ..., attrvaltypeN,attributevalueN,hydroseq

For allocation files:

The MissDataA field contains the NoData area in the catchment.

Attrvaltype is a coded attribute that tells what type of value is contained in the immediately following attribute. The valid codes for Attrvaltype are:

A = value is an area in square kilometers
P = value is an area-weighted percent
X = value is a maximum
N = value is a minimum
V = value is an average
S = value is a sum

Attributevalue contains the actual value of the attribute in the catchment.

The Hydroseq field is the hydrologic sequence number of the NHD Flowline that can be found in the NHDFlowlineVAA field.

For accumulation files:

The MissDataA field contains the total upstream NoData area.

Attrvaltype is a coded attribute that tells what type of value is contained in the immediately following attribute. The valid codes for Attrvaltype are:

A = value is an area in square kilometers
P = value is an area-weighted percent

[1] see http://www.horizon-systems.com/NHDPlus/tools.php#NHDPlus%20Catchment%20Attribute%20Allocation%20and%20Accumulation%20Tool%20%28CA3T%29

X = value is a maximum
N = value is a minimum
V = value is an average
S = value is a sum

Attributevalue contains the actual value of the attribute in the area upstream of the catchment pourpoint.

The Hydroseq field is the hydrologic sequence number of the NHD Flowline that can be found in the NHDFlowlineVAA field.