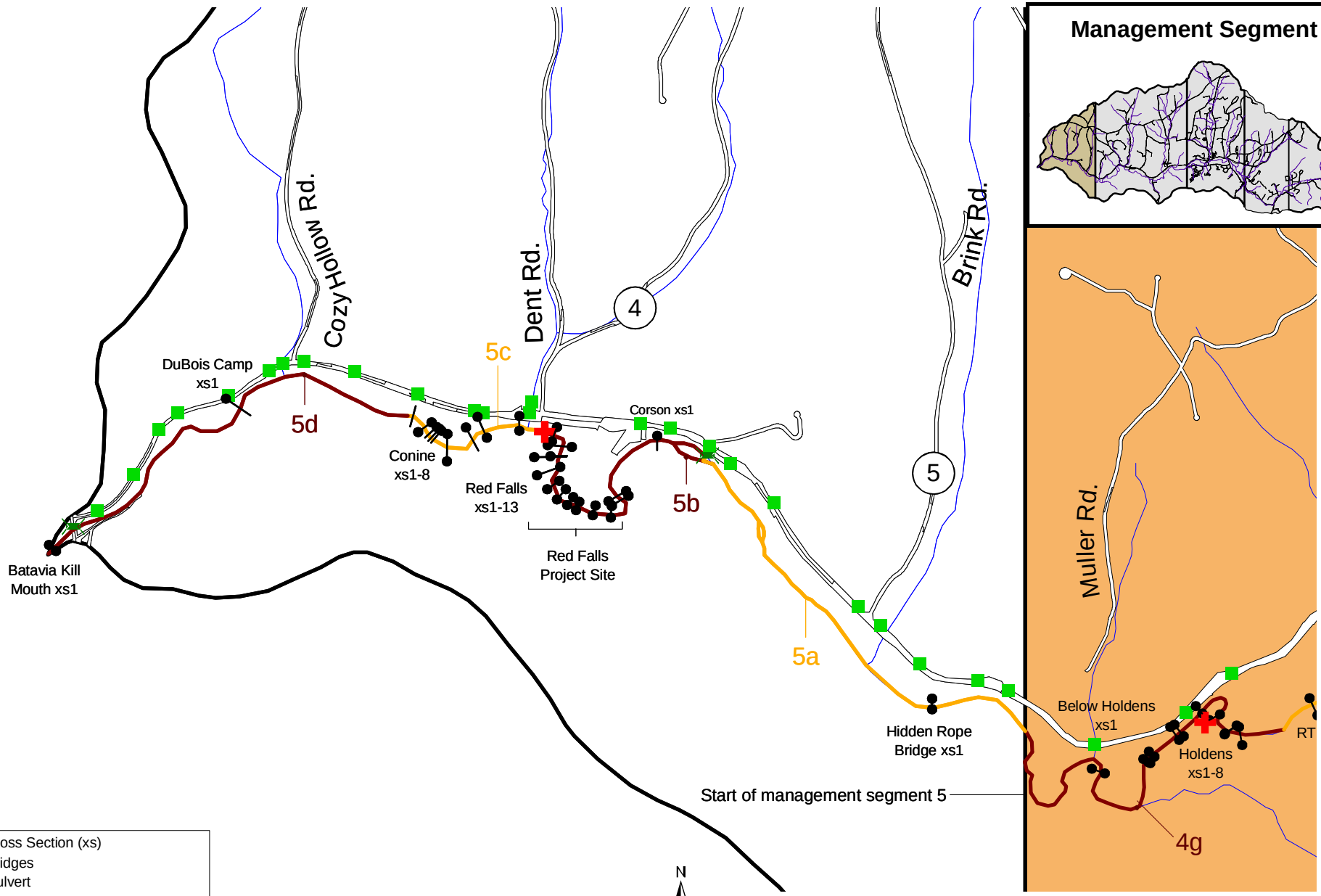
VI-E: Management Segment 5 (Vogiatz Property - Schoharie Confluence)

Located at the bottom of the watershed, Management Segment 5 consists of 4.36 miles of the Batavia Kill. The reach runs from just west of the Ashland Hamlet, and ends at the confluence with the Schoharie Creek **(Map VI-6)**. Management Segment 5 is located in Valley Zone 1 **(Figure V-11)**, which is characterized by a "U" shaped valley morphology with steep side slopes and a moderately steep valley bottom slope of 1.2%. Valley morphology strongly influences stream type and stability, with lateral and terminal moraines, alluvial terraces, and floodplains present through the reach. The segment contains two second order and one first order tributaries. The drainage area of the reach ranges from 63.7mi^2 to 73.1mi^2, and includes a USGS gaging station located at Red Falls.

Several sections of Management Segment 5 are highly confined by the natural topography. Both the upper 2,100 feet of Management Segment 5, as well as the area surrounding Red Falls exhibit significant entrenchment. The overall stream alignment has a low sinuosity due to the narrow valley width. Several areas within the segment have been modified to include bank stabilization, channel straightening, water diversions and bridge crossings. The stream types found in the area include large sections of B and smaller segments of C and F.

In 1997, the Phase I Inventory and Assessment revealed extensive instability in the lower half of the segment, including extensive clay exposures, geo-technical failures and mass wasting of streambanks. The segment was sub-divided into four reaches **(Map VI-6)** to facilitate data collection, analysis and summary of reach conditions. The reaches were delineated based upon on active channel processes, significant changes in physical characteristics as well as local landmarks. The reaches outlined below include Reach 5a, 5b, 5c, and 5d.



Batavia Kill Watershed
Segment 5 Management Reaches

Map VI-6
Greene County Soil & Water Conservation District
Batavia Kill Stream Management Plan

Management Segments & Reaches-GCSWCD, based on management segments and reaches detailed in Batavia Kill Stream Management Plan.
Map produced by Greene County Soil & Water Conservation District, January 2002.
Note: GIS data are approximate according to their scale and resolution.
They may be subject to error and are not a substitute for on-site inspection or survey.
Data sources are located in list of figures, tables, and maps.