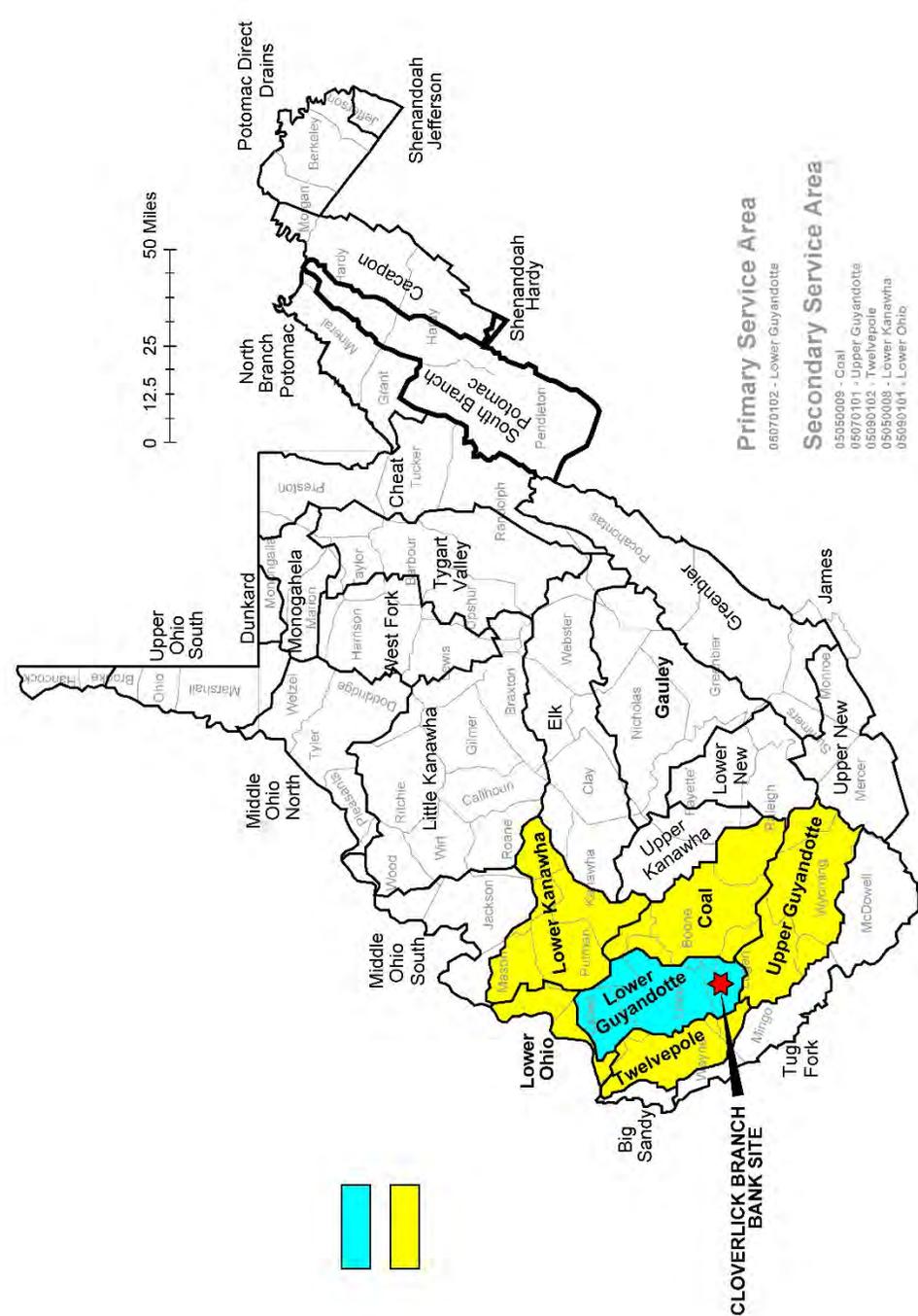




**Figure 2**  
Cloverlick Branch Mitigation Bank Service Areas Map



# Figure 3

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

STATE OF WEST VIRGINIA  
REPRESENTED BY THE  
STATE OF WEST VIRGINIA GEOLOGICAL SURVEY  
AND OTHER STATE AGENCIES

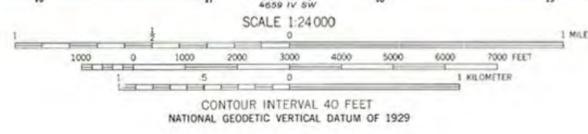
HENLAWSON QUADRANGLE  
WEST VIRGINIA  
7.5 MINUTE SERIES (TOPOGRAPHIC)  
NW/4 LOGAN 15' QUADRANGLE

Henlawson Quadrangle  
Cloverlick Branch Mitigation Bank Watershed Outlined in Red



Mapped, edited, and published by the Geological Survey  
Control by USGS and USC&GS  
Topography by photogrammetric methods from aerial  
photographs taken 1957. Field checked 1963  
Polyconic projection. 1927 North American datum  
10,000-foot grid based on West Virginia coordinate system,  
south zone  
1000-meter Universal Transverse Mercator grid ticks,  
zone 17, shown in blue  
Revisions shown in purple compiled from aerial photographs  
taken 1976. This information not field checked

UTM GRID AND 1976 MAGNETIC NORTH  
DECLINATION AT CENTER OF SHEET

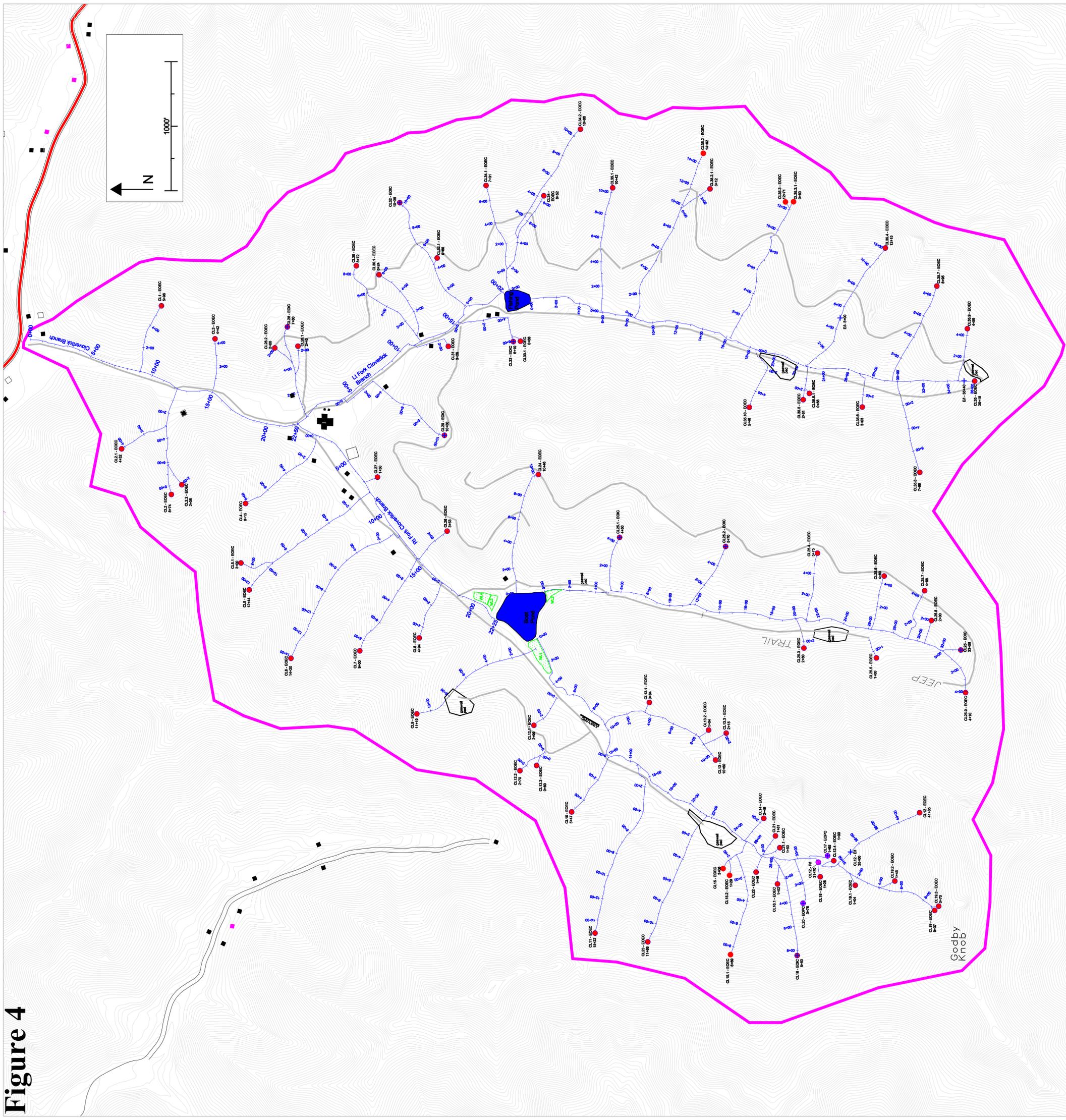


ROAD CLASSIFICATION  
Medium-duty ——— Light-duty ———  
Unimproved dirt ———  
U.S. Route ——— State Route ———

HENLAWSON, W. VA.  
NW/4 LOGAN 15' QUADRANGLE  
N3752.5—W8152.5/7.5  
1963  
PHOTOREVISED 1976  
AMS 4659 IV NW—SERIES V854

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Figure 4



Mountain State Mitigation Credits Company  
 Camp Cheif Logan (Boyscout Camp)  
 Cloverlick Branch of Garretts Fork  
 Jurisdictional Determination  
 Logan County, WV  
 Herlawson Quadrangle  
 GPS at mouth of Cloverlick Branch  
 37.96993°, -81.97032°

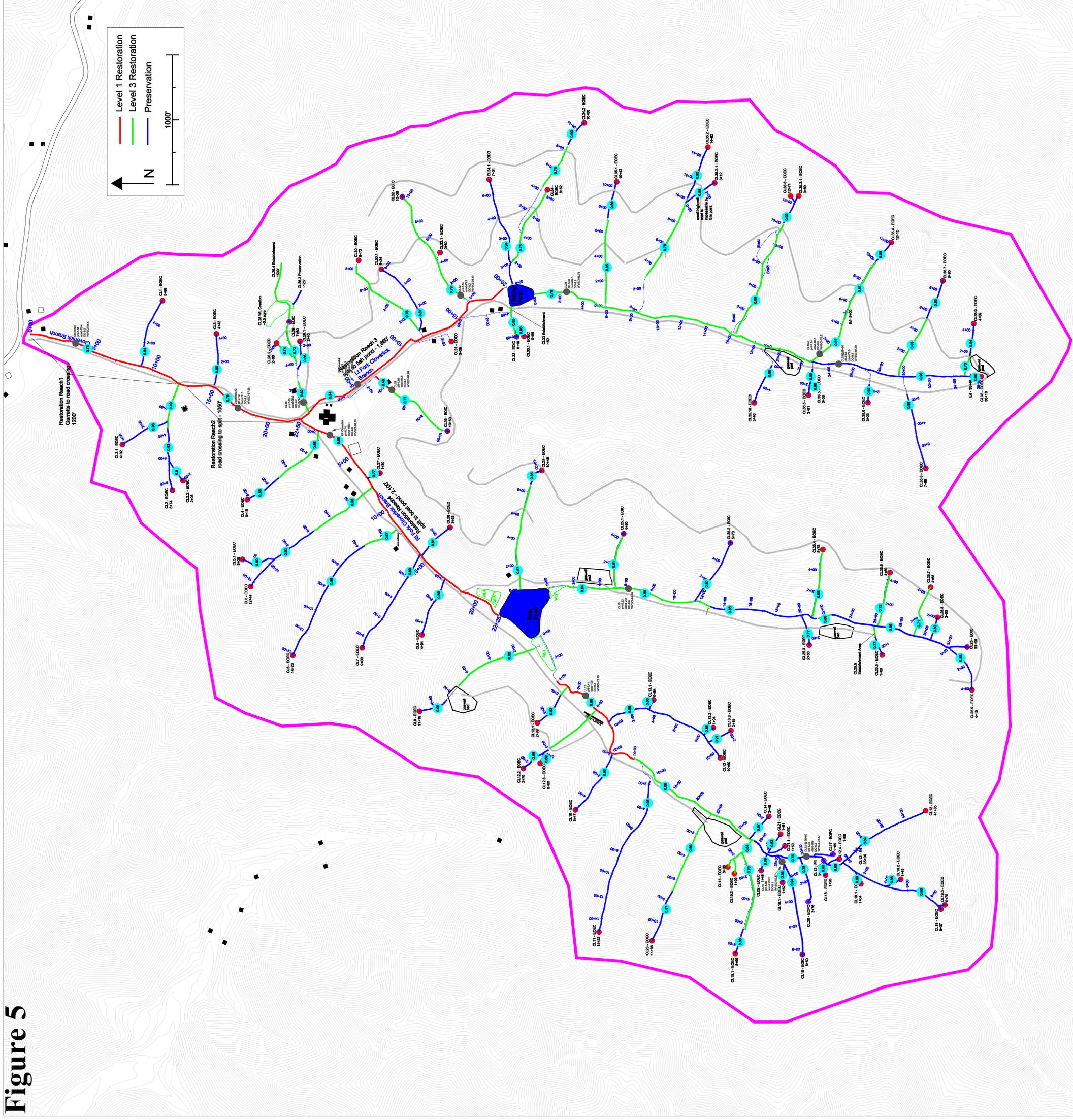
**Legend**

- delineated stream
- intermittent to ephemeral transition (E/I pt)
- End of Ephemeral Stream Channel (EOEC)
- End of Intermittent Channel (EOIC) and/or E/I pt
- Perennial to Intermittent Transition (CL12 - 31+70)
- Area of Interest
- Wetland Area - WL 1, 2, & 4 were considered to be forested. WL 3 was emergent.

Mountain State Mitigation Credits Company  
 PO Box 294  
 Man WV 25635-0294

Cloverlick Branch of Garretts Fork  
 Jurisdictional Determination Map  
 February 2016  
 USACE Verified and Updated  
 September 2016

**Figure 5**



Mountain State Mitigation Credits Company  
 Camp Chief Logan (Boyscout Camp)  
 Cloverlick Branch of Garretts Fork  
 Logan County, WV  
 Henlawson Quadrangle  
 GPS at mouth of Cloverlick Branch  
 37.96993°, -81.97032°

**Legend**

- delineated stream
- intermittent to ephemeral transition (E/I pt)
- End of Ephemeral Stream Channel (EOEC)
- End of Intermittent Channel (EOIC) and/or E/I pt
- Perennial to Intermittent Transition (CL12 - 31+70)
- Area of Interest
- Wetland Area - WL 1, 2, & 4 were considered to be forested. WL 3 was emergent.
- Benthic Sites
- SWWM Site with Index Score

Mountain State Mitigation Credits Company  
 PO Box 294  
 Man WV 25635-0294  
 Boyscout Camp - Camp Chief Logan  
 Cloverlick Branch of Garretts Fork  
 Proposed Mitigation Areas  
 with SWWM Index Scores  
 October 2016