

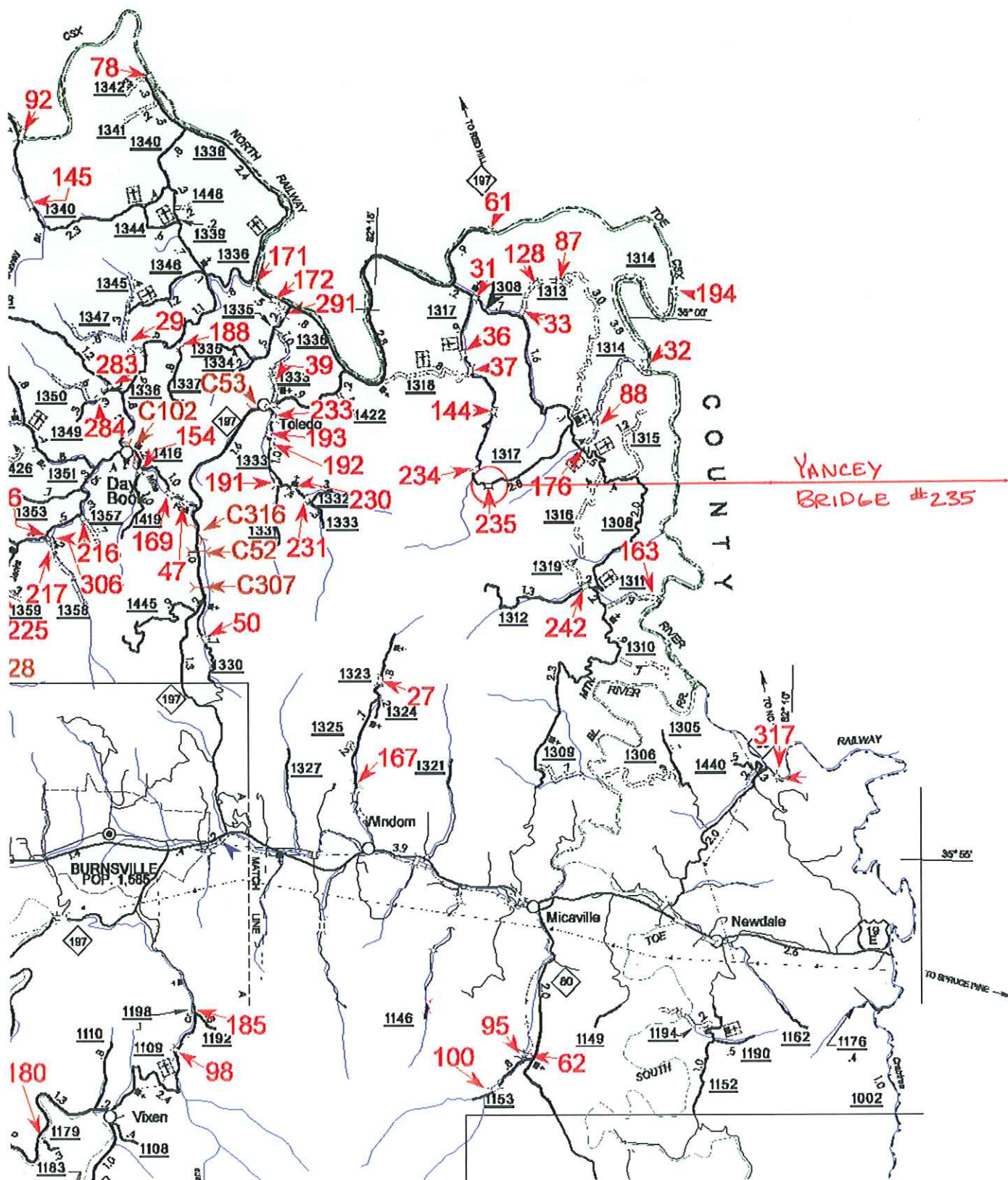
Office Estimate	55' Bridge (Potential Culvert Size: 2@9'x5' RCBC)	Project#	
MOA Required	No	TIP#	
		Let Date	
	PREDESIGN-PRESURVEY REPORT	WBS#	17BP.13.R93
		Bridge#	990235
County	Yancey	Road#	SR 1317
		Name	Big Brush Creek
		Stream	Brush Creek
Type Of Request: POC	Force Account	TIP	NCMA
Date	8/19/11	Name	MLH (Mulkey, Inc.)
Checked By	KBA/JKS (Mulkey, Inc.)		
Prior Survey Date	N/A	(attach copy of prior survey)	
Study By Scour Section	N/A		
Flood Zone	N/A	Detail Study	N/A
		Date	N/A
B.M. Info	N/A	Panel#	Panel N/A 0842
Quad Map	Micaville	Drainage Area	1.2 Sq. Mi.
		From	USGS Quad Map
Q25	450 cfs	Q50	550 cfs
		Q100	650 cfs
		Method	USGS Regression

EXISTING BRIDGE INFORMATION

Location	1.65 Mi. N. Jct SR 1308		
Average Daily Traffic	100 - Yr. 2009		
Length	17 Ft.	Bed- To Crown	6 Ft.
		Water Depth	1 Ft.
Type Structure	Timber Floor on Timber Joists; E. BTS: Timber Caps/Timber Post & Sills		
Type Spans	1@16'-6"		
Upstream Structure	N/A		
Location			
Bed- To Crown		Prior Survey	
Downstream Structure	N/A		
Location			
Bed- To Crown		Prior Survey	
SCS Watershed	N/A		

ENVIRONMENTAL

Trout Stream	Yes	Anadromous Fish	No	Primary Nursery Area	No
High Quality Waters	No	Nutrient Sensitive Waters	No		
Near Water Supply Intake	No	CAMA County	No		
Stream Classification	C;Tr				
DENR River Basin Info.	French Broad				
State Stormwater Permit Required	No				





NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY YANCEY BRIDGE NUMBER 990235 INSPECTION CYCLE 2 YRS
ROUTE SR1317 ACROSS CREEK M.P. 0

LOCATION 1.65 MI.N.JCT.SR1308

SUPERSTRUCTURE TIMBER FLOOR ON TIMBER JOISTS

SUBSTRUCTURE E.BTS:TIMBER CAPS/TIMBER POST&SILLS @ VAR. CTS.

SPANS 1 @ 16'6"

LONGITUDE 82° 13' 49.9"

LATITUDE 35° 58' 32.6"

PRESENT CONDITION FAIR

INVENTORY RATING

INSPECTION DATE 06/16/2011

OPERATING RATING

PRESENT POSTING SV 12 TTST 21 SV- 12,TTST- 21

PROPOSED POSTING

COMPUTER UPDATE

ANALYSIS DATE

POSTING LETTER DATE

SUFFICIENCY RATING

OTHER SIGNS PRESENT DELINEATORS, ONE LANE BRIDGE



NORTH

SIGN NOTICE
ISSUED FOR

NUMBERED
REQUIRED

<u>No</u>	WEIGHT LIMIT	<u></u>
<u>No</u>	DELINEATORS	<u></u>
<u>No</u>	NARROW BRIDGE	<u></u>
<u>No</u>	ONE LANE BRIDGE	<u></u>
<u>No</u>	LOW CLEARANCE	<u></u>

BRIDGE MANAGEMENT UNIT
DATA ON EXISTING STRUCTURE

Run Date: 08/01/2011

COUNTY : YANCEY	DIV : 13	DIST : 2	STRUCTURE NUMBER : 990235	LENGTH : 17 FEET
ROUTE CARRIED : SR1317		FEATURE INTERSECTED : CREEK		
LOCATED : 1.65 MI.N.JCT.SR1308		BRIDGE NAME :		CITY :
FUNC. CLASS : 09	SYST.ON : NFA	SYST.UNDER : NFA	ADT & YR : 100 2009	RAIL TYPE : LT 227 RT 227
BUILT : 1961	BY : BMU	PROJ :	FED.AID PROJ :	DESIGN LOAD : Other or Unknown
REHAB :	BY :	PROJ :	ALIGNMENT : TAN	SKEW : 45
			LANES : ON 2 UNDER	
NAVIGATION : VC 0.0 FT HC 0.0 FT		HT. CRN. TO BED : 6 FT		WATER DEPTH : 1 FT
SUPERSTRUCTURE : TIMBER FLOOR ON TIMBER JOISTS				
SUBSTRUCTURE : E.BTS:TIMBER CAPS/TIMBER POST&SILLS @ VAR. CTS.				
SPANS : 1 @ 16'6"				
BEAMS OR GIRDERS : 9 LINES 6X12 TIMBER JOISTS @ 2' CTS.				
FLOOR : 4X8 TIM/4 AWS	ENCROACHMENT :		DECK (OUT TO OUT) : 18.1 FT	
CLEAR ROADWAY : 16.1 FT	BETWEEN RAILS : 17.8 FT		SIDEWALK OR CURB : LT 0.9 FT RT 0.9 FT	
VERT.CL.OVER : 99 FT 99 IN	VERT.CL.UNDER : 00 FT 00 IN		HOR.CL.UNDER : 0.0 FT	
INV.RTG. : HS-9	OPE.RTG. : HS-13	CONTR.MEMBER : IntJoist	POSTED : SV 12 TTST 21 DATE 02/14/2008	
SYSTEM : Secondary S.R. Route			GREEN LINE ROUTE : N	
2ND OPENING :		3RD OPENING :		4TH OPENING : 5TH OPENING :
REMARKS :				

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 990235 County: YANCEY Date: 06/16/2011 By: RWS

Record sounding from top of rail. Other location if needed: _____

Distance from Highwater Mark to top of rail: _____ Location of Highwater Mark: _____

DOWNSTREAM			UPSTREAM		
Distance (Station) (ft)	Sounding (ft)	Description	Distance (Station) (ft)	Sounding (ft)	Description
0	2.6				
0.4	2.6				
0.4	4.3				
1.5	4.3				
1.5	7.5				
5	8	Water Surface/Water Edge (WSWE)			
8.5	8.5				
12.5	8	Water Surface/Water Edge (WSWE)			
15	6.5				
15.001	4.2				
16.1	4.2				
16.101	2.6				
16.5	2.6				

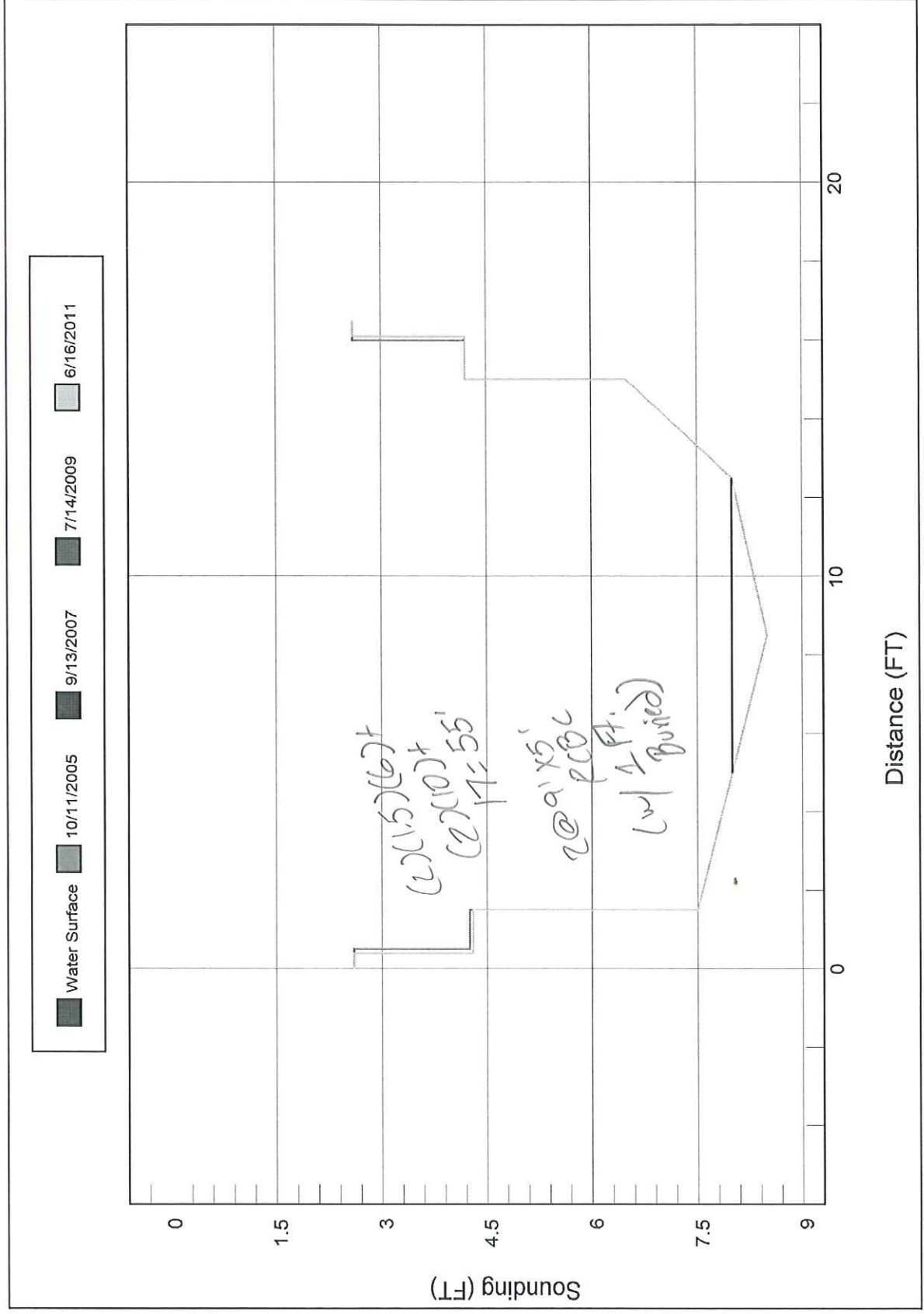
Bridge: 990235

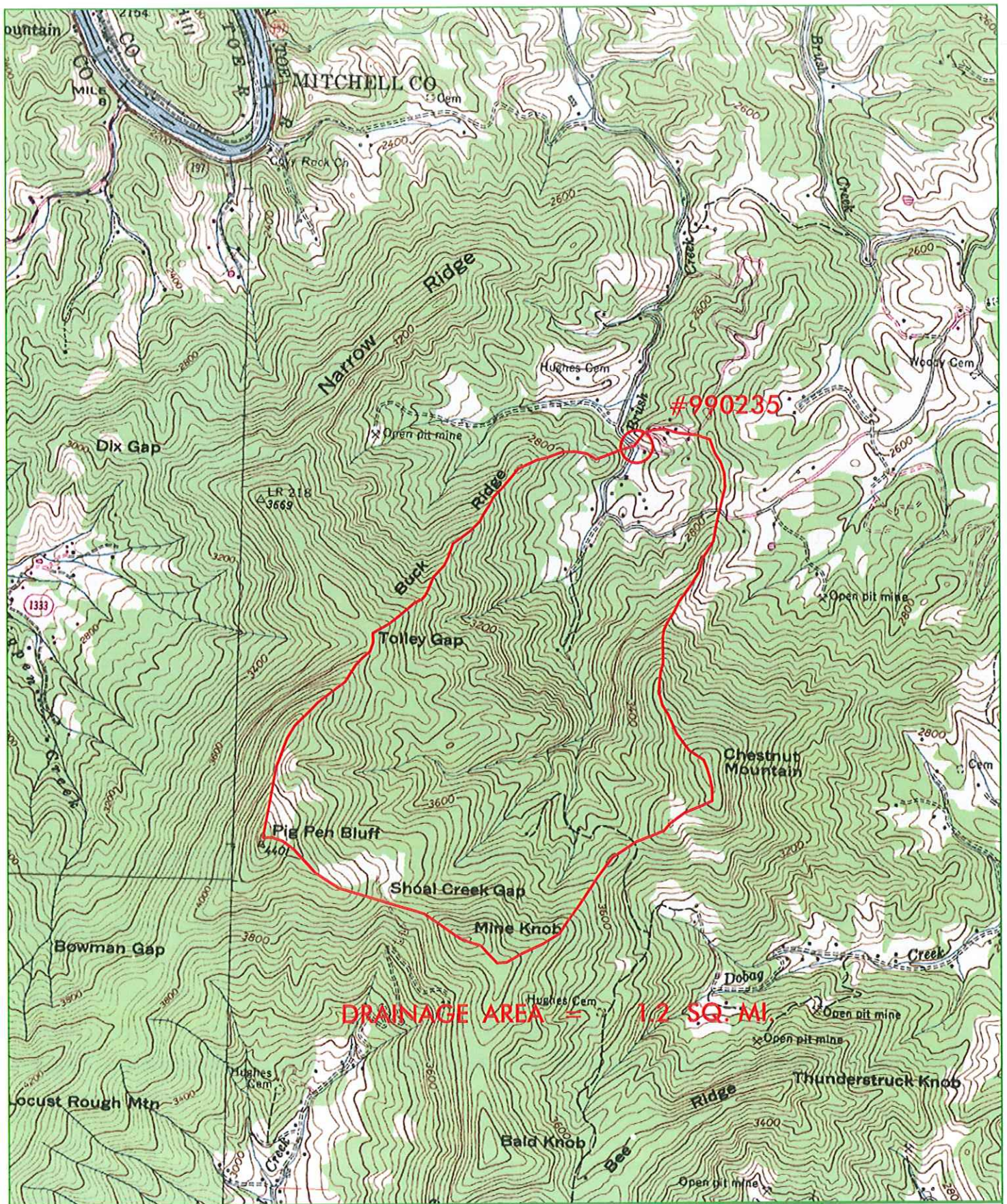
County YANCEY

Date: 06/16/2011

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)





QUAD MAP - BRIDGE #990235

1,000 0 1,000 2,000
SCALE:

