

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

GEOTECHNICAL UNIT

FOUNDATION BORING LOG SHEET 1 OF 2

343528
785859

RO-HB-1-85

PROJECT NO. 8.1460601 COUNTY ROBESON GEOLOGIC PROVINCE COASTAL PLAIN
 BRIDGE ON NC 72 OVER LUMBER RIVER
 BORING LOCATION (STA.) _____ OFFSET _____
 BORING NO. # 1 GEOLOGIST MW SUTTON GROUND WATER 0 HRS. 24 HRS. 10.4'
 COLLAR ELEV. 80.3 DATE STARTED 2-7-85 DRILL EQUIPMENT 464-3326, 030-1031,
 TOTAL DEPTH 52.9 DATE COMPLETED 2-7-85 TRI-CONE BIT, H-W CASING, DRILL MUD

ELEV. 80.3	DEPTH	BLOW COUNT			SAMP. NO.	SOIL DESCRIPTION	MOIST.	NOTES & REMARKS
		6"	6"	6"				
	0.0	0	0	1	SS-1	BROWN SILTY FINE SAND WITH CLAY LAYERS ROADWAY FILL	MOIST	ROADWAY FILL 0.0 - 6.0' HARDER DRILLING AT 3.0'
	6.4	3	4	5	SS-2	TAN SILTY CLAY FINE TO MEDIUM SAND	Wct	NATURAL GROUND 6.0'
	11.4	0	1	1	SS-3	TAN SILTY CLAY FINE TO MEDIUM SAND	SAT	
	16.4	1	2	3	SS-4	TAN SILTY FINE TO COARSE SAND WITH GRNVEGS	SAT	
56.8	21.4	9	7	11	SS-5	DARK GREEN SILTY FINE SAND WITH SILT LAYERS	Wct	HARDER AT 20.4' PEE DEE AT 23.5' HARDER AT 23.5'
	23.5							
	26.4	16	28	32	SS-6	GRAY FINE SANDY SILTY PLASTIC CLAY	moist	
	31.4	13	20	37	SS-7	GRAY SILTY CLAY FINE TO MEDIUM SAND W/ PLASTIC CLAY LAYERS	Wct	
	36.4	20	19	27	SS-8	GRAY FINE SANDY AND SILTY PLASTIC CLAY WITH FINE TO MEDIUM SAND LAYERS	Wct	
	41.4	14	17	23	SS-9	GRAY SILTY FINE SANDY MICAS. PLAS. CLAY WITH FINE SAND LAYERS	moist	
	46.4	9	15	33	SS-10	GRAY SILTY MICAS. FINE SAND WITH PLASTIC CLAY LAYERS	Wct	
	51.4	13	16	17	SS-11	GRAY SILTY MICAS FINE SAND UNDERLAIN BY GRAY PLASTIC CLAY	Wct	
								BORING TERMINATED AT 52.9'

PRELIMINARY FOUNDATION INFO.

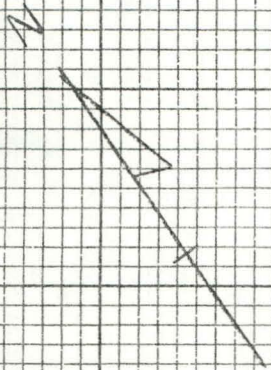
SAMPLES 0/52.9
W, U
3/14/85

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 GEOTECHNICAL UNIT
 FOUNDATION BORING LOG SHEET 2 OF 2

PROJECT NO. 8.1460601 COUNTY Robeson GEOLOGIC PROVINCE Coastal Plains
 BRIDGE ON N.C. 72 OVER Lumber River
 BORING LOCATION (STA.) _____ OFFSET _____
 BORING NO. # 2 GEOLOGIST RLP, RLE Edwards GROUND WATER O HRS. 24 HRS. 0.5'
 COLLAR ELEV. 71.4 DATE STARTED 2-11-85 DRILL EQUIPMENT 462-3326, 030-1031
 TOTAL DEPTH 42.9 DATE COMPLETED 2-12-85 Tri-cone BIT H-W casing, Drill mud

ELEV.	DEPTH	BLOW COUNT			SAMP. NO.	SOIL DESCRIPTION	MOIST.	NOTES & REMARKS
		6"	6"	6"				
71.4	0.0	1	1	1		moist	Flood plain	
	6.4	0	0	1	Brown Tan Silty Sand w/ trace organic material	SAT		
	11.4	2	4	6	Tan Silty FINE to COARSE sand w/ pea-gravel	"	Harder at 9.4	
53.0	16.4	1	6	12	Green Silty FINE sand with silt layers	"	Hard at Drive	
	18.4						Harder at 18.4	
	21.4	22	37	50	greenish/gray FINE sandy silty Plastic Clay	"	087	
	26.4	15	40	50	SAME AS ABOVE	"	090	
	31.4	14	21	37	grayish FINE Sand x silty Plastic Clay w/ FINE sand layers	"	softer at 29.4 055	
	36.4	14	19	23	Greenish silty FINE Sand, mica clay w/ FINE sand layers	"	042	
	41.4	10	17	19	Tan medium to coarse sand mica, FINE sand layers	"	036	
							Boring Terminated at 42.9	

PRELIMINARY FOUNDATION INFO.



TO LUMBERTON



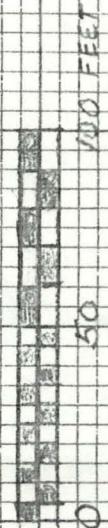
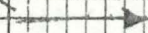
#2



KUMBER

NC 72

RIVER



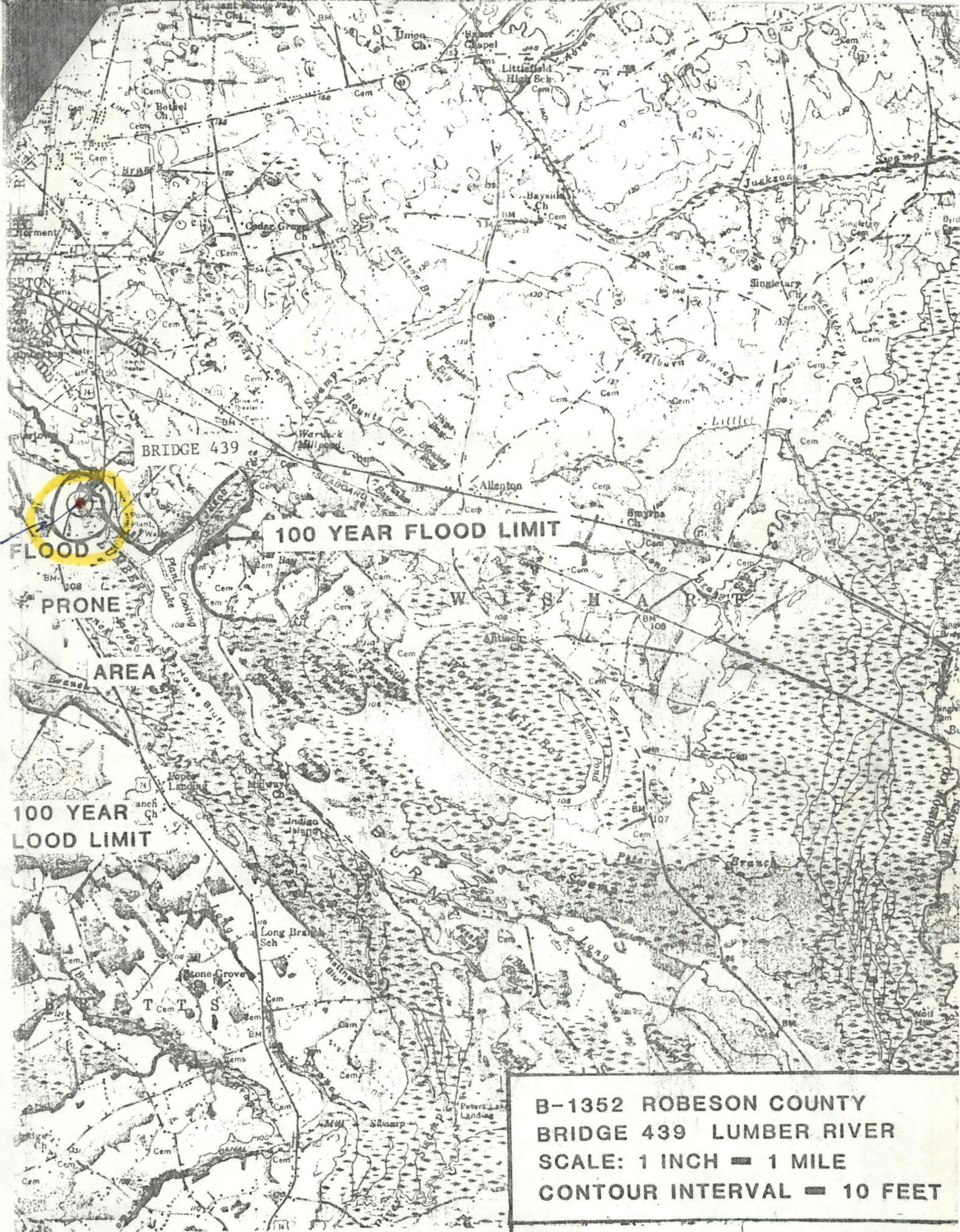
FEB 1985

ROBESON COUNTY

#1



RO-HB-1-05



BRIDGE 439

100 YEAR FLOOD LIMIT

FLOOD PRONE AREA

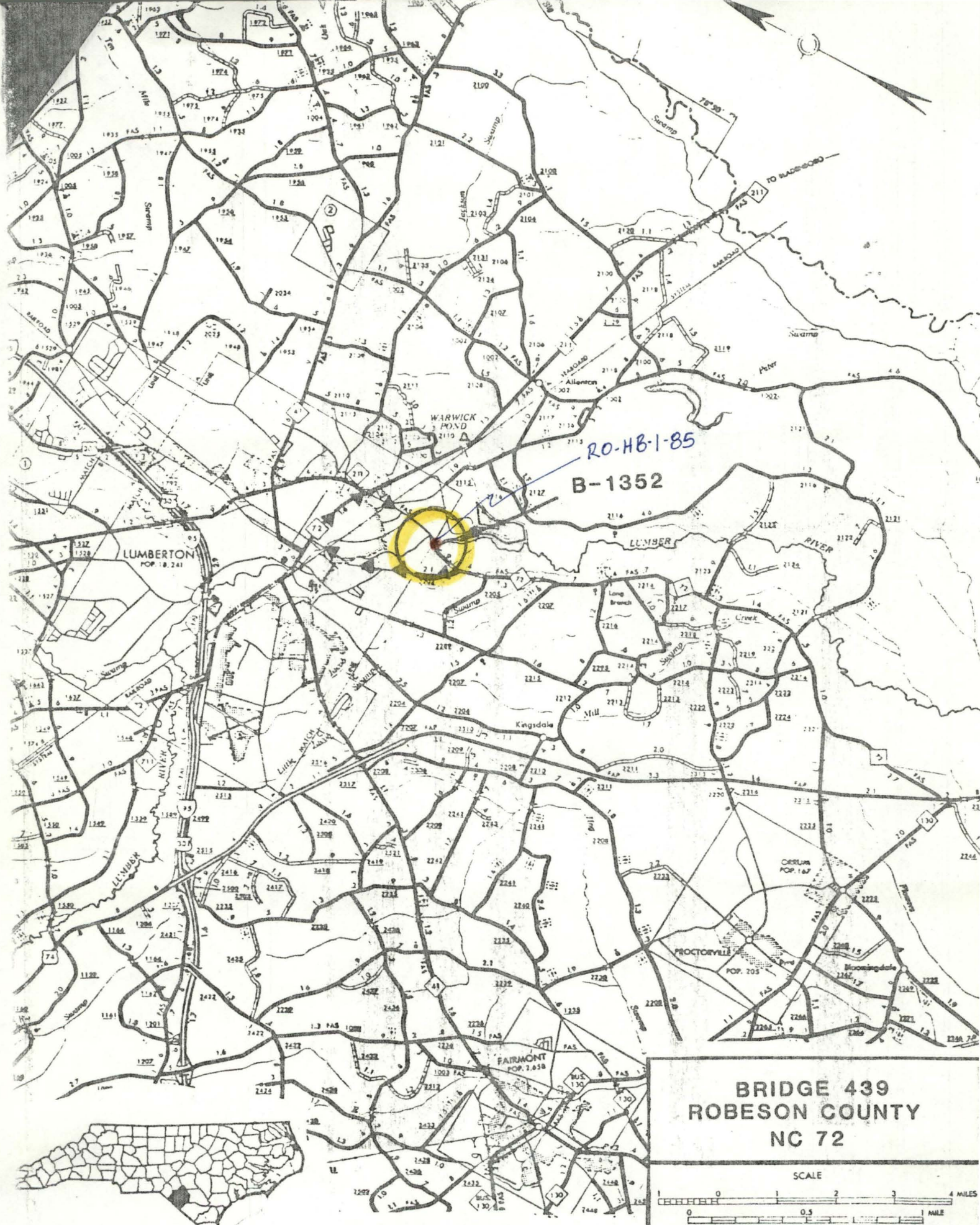
100 YEAR FLOOD LIMIT

B-1352 ROBESON COUNTY
 BRIDGE 439 LUMBER RIVER
 SCALE: 1 INCH = 1 MILE
 CONTOUR INTERVAL = 10 FEET

EL = ± 100'

785859
 34 3528

FROM: BLADENBORO 15' TOPO - 1957

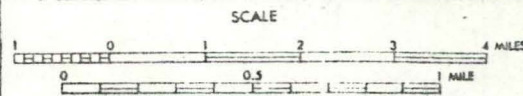


RO-HB-1-85

B-1352

▲ DETOUR ROUTE
(CONSIDERED BUT NOT RECOMMENDED)

**BRIDGE 439
ROBESON COUNTY
NC 72**



SCALE FOR ENLARGEMENTS

Surficial sd is gravel oxidized
qtz-fsp

21.4-22.9	fine-med gr sd clean mic
26.4-27.9	sdly sl - lt gry
31.4-32.9	m-use sd - mar fsp marc/psp
36.4-37.9	fn sd - to marc/psp to mic
41.4-42.9	n/a
46.4-47.9	"
51.4-52.9	m-use sd - com mic (use)

examined 4/4/85 - Samples do not appear to be Cretaceous at all. The cores lack any kind of fissility that would be expected in Blk Creek - Samples are too silty to be Piedm. Lignite is, for the most part absent. Coarse mica in bottom sample is atypical of K. Some glauconite is in samples but it appears to be reworked.

Fifty asserts that the mechanical properties ~~are~~ are unlike any Quaternary materials they have ever seen.

This may be some Tertiary facies?

DEPARTMENT OF TRANSPORTATION.

MEMORANDUM TO: Bill Hoffman
FROM: H. F. Koch
SUBJECT: Boring logs and samples, Robeson Co.
DATE: 3/11/85

Bill, I am sending you boring logs
and samples that were recently taken
SE of Lumberton at NC 72 bridge over the
Lumber R. Maybe you can use this info.

Fritz

RO-HB-1-f5

0-1.5'

no forams or ostracodes



46.4-47.9'

51.4-52.9'

same

One foramin,

Gumbelina sp.

(G. globosa (?)) - K-B+C