Vigil Network Submission 24 July 1970

PUSKUS & CYPRESS CREEK VALLEYS, Yazoo Watershed, Mississippi, U.S.A.

Map of watershed & sedimentation ranges (base from 1937 airphotos)

Description of range end locations (11 sheets)

Print of valley cross sections (2 sheets)

24 July 1970
P. O. Box 30
Oxford, Miss. 38655

Dr. Luna B. Leopold
U. S. Geological Survey
Washington, D.C. 20242

Dear Luna:

Herewith are nine more envelopes for the Vigil Network files. These are marked "W" and intended for the Washington file; duplicate copies for Uppsala, marked "U", will follow in a few days to minimize risk of loss.

Index cards are enclosed in each envelope, and copies of those are being sent to Dr. Hadley.

These are interim transmittals, as precaution against possible loss of data here. If time permits I shall add more to each envelope, in the future.

There may be questions about filing or indexing some of the materials. Puskus and Cypress are confluent valleys of similar size. Puskus was used as main stem for laying out the 1939 survey, but data from both would be needed for any future study. Hence I have put the materials together in one envelope, and submitted only one card, marked "Puskus & Cypress."

Graham Mill and Lee valleys have similar relationships, but records are complicated by deviations in terminology. I have combined the materials in one envelope, but in this case have submitted two separate cards because there is a prospect that future additions may be too much for one envelope and hence make separation desirable. Thus my procedure has not been consistent; I think for good reason, but those working with the files may object.

Because of uncertain future of records here, I am trying to put copies of all cross sections into the Vigil file. These are now in form of ozolid prints made from paper travings. The ozolids are of limited durability, and more so after folding to envelope size. Reproducible prints on mylar film would be preferable but I have not undertaken that yet - perhaps there would be a better alternative, unknown to me. Mylar would be more costly , more than a dollar each versus about ~~XXX~~ 15¢ for ozolid paper, and I am not sure it would stand folding. Hence I shall be anxious to hear if it proves feasible to include flat or rolled materials in the Vigil files.

cordially

Stafford C. Happ

CC: R. F. Hadley

24 July 1970

Transmittal of partial data for Vigil Network file:

Wilhite Creek Valley,	Yazoo Watershed, Mississippi.
King Creek Valley	"
Puskus & Cypress Creek Valley	"
Graham Mill & Lee Creek Valley	"
Greasy Creek Valley	"
Clear Creek Valley	"
Coldwater River Valley	"
Red Banks Creek Valley	"
Long Creek Valley	"

Cypress Creek Range C-1

Length 1820.8' Bearing N 55°15W (1939)

Mon. C-1-R { in SE NW Sec. 15, T-8-S, R-1-W, Lafayette Co., Miss.
El. bronze cap 362.605 (USED SR-42 datum)

In small clearing at foot of hill & just off floodplain, up 3' in 39'

8" sweet gum	N 7°30 E	52'
10" pine	N 34° E	22'
12" pine	S 53° E	39'

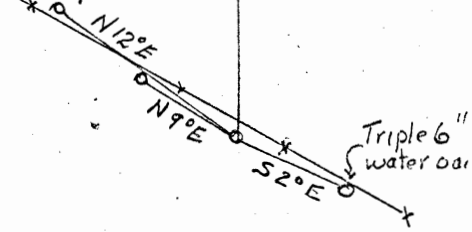
Mon. C-1-L. { in SW NW Sec. 15.
El. bronze cap 369.12 (from USED SR-42 datum)

Just W of N-S fence row on hillside. Up 3' in 45'

8" persimmon along fence.	N 12° E	88.4'
Twin 15" red oaks " "	N 9° E	11.6'
Triple 6" water oaks " "	S 2° E	6.2'

There is apparent discrepancy between recorded bearings & notebook sketch

Perhaps ∠ between Range & fence is wrong on sketch



Cypress Creek Range C-2

Length 2793.1' Bearing S 85°5' W (1939)

Mon. C-2-R in NW SW Sec. 2, T-8-S, R-1-W, La Fayette Co., Miss.
Elev. brass cap 349.71 (USED SR-42 datum) Up 3' in 100'.
2' W of N-S fence on E edge cult. field ± 800' E of flood plain.

Clump of dogwood on fence row.	N 5° W	9'
6" elm " " "	S 29° E	18'
12" sweet gum	S 3° W	125'
12" pine	S 24° W	203'

Mon. C-2-L in NW SE Sec. 3, T-8-S, R-1-W.
Elev. brass cap 336.59 (USED SR-42 datum). Up 2½' in 12'.
In edge of woods on top of 3' bluff, 15' E of cult. field.

10" white oak	Due S	7'
8" hickory	S 36°30 E	16'
6" red oak	N 79° E	10'

Cypress Creek Range C-A-1 (Harris)

Length 840.5' Bearing N 28°15 W (1939)

Mon. C-A-1-R in NE SE Sec. 16, T-8-S, R-1-W, Lafayette Co., Miss.

El. bronze cap 377.38 (Gulf datum). Up 3' in 30', 8' in 100'

45' S of ℄ E-W country road.

NW corner of house	S 38° E	±100'
12" sweet gum	S 69° E	99.0'
15" pine	S 12° E	91.5'
18" pine	S 5° W	94.5'
12" elm	S 43° W	155.2'

Mon. C-A-1-L in SE NE Sec. 16, T-8-S, R-1-W.

El. bronze cap 369.05[5] (Gulf datum). Up 1' in 25', 2' in 100'.

In pasture 28.9' N of fence N of cult. field, 53.1' E of N-S fence.

Corner where N-S fence abuts to E-W fence	S 76° E	60.8'
8" sweet gum	N 71° W	364.3'
4" willow	N 22° W	281'

Ward Creek Range W-1

Length 1398.0' Bearing S 54° W mag. (1939)

Mon. W-1-R. El. bronze cap 390.97 (USED SR-42 datum)
On hillside S of woods ± 75' from floodplain. Up 7' in 50'

18" white oak (blazed)	N 37° W	27'
12" sweet gum on E-W fenceline	Due N	46'
8" red oak (blazed)	N 45° E	45'

In NE NW Sec. 25, R-1-W, T-8-S, La Fayette Co., Miss.

Mon. W-1-L. El. bronze cap 397.02 (USED SR-42 datum)
On edge of cult. field, 100' from road, 50' NE of negro house. Up 7' in 100'.

Twin peach tree	S 30° W	11'
NE corner shed	S 10° E	167'
NE " garden	N 14° W	81'

In NW NW Sec. 25

Ward Creek Range W-2

Length 786.6' Bearing S 48°30 W mag. (1939)

Mon. W-2-R in SE NW Sec. 14, R-1-W, T-8-S, Lafayette Co., Miss.
El. bronze cap 357.10 (USED datum). Up 3' in 15', 5' in 100'
On edge of point in pasture under 8" pine & 10" sweet gum.

8" pine	S 11°30 W	5'
Corner SW & NW fence tangents	N 23°30 W	37'
12" hickory on creek bank	N 76°30 W	162'

Mon. W-2-L in SW NW Sec. 14, R-1-W, T-8-S.
El. bronze cap 357.47 (USED datum). Up 2' in 12', 4' in 85'.
On edge of flood plain at foot of wooded bluff, 50' S. of where cult. field joins wooded area.

10" sweet gum	S 5° E	11'
3" sassafras	N 77° W	29'
10" lone pine	N 38° W	26.0'

Pettis Creek Range PE-1

Length 1631.5' Bearing N 44° 10 W (1939)

Mon. PE-1-R in SE SE Sec. 8, T-8-S, R-1-W, Lafayette County, Miss.
El. bronze cap 373.00^{5} (USED SR-42 datum). Up 2' in 50', 4' in 100'.
At foot of bluff in woods, 15' E of field road, 400' N of sawdust pile.

6" persimmon	N 42° W	29'
12" elm	N 1°30 W	56'
10" black jack	N 17° E	39'
12" sweet gum	S 21° W	20'

Mon. PE-1-L in NW SE Sec. 8.
El. bronze cap 371.96 (USED SR-42 datum). Up 2' in 30', 5' in 100'.
On edge of field road in middle of cult. field.

9" sweet gum	S 61° E	230'
Sycamore on creek bank	S 45° E	700'
10" (tree)	S 42° W	320'
15" sweet gum	S 62° W	360'

Pettis Creek Range PE-2

Length 1801.2' Bearing N 17° 20 W (1939)

Mon. PE-2-R in NW NW Sec. 10, T-8-S, R-1-W, La Fayette Co., Miss.

El. bronze cap 348.695 (USED S-42 datum) Up 7' in 25'

15" poplar	N 40° W	19.2'
12" sweet gum	N 47° E	62.8'
10" hickory	S 87° E	23.6'
15" white oak	S 45° W	61.8'

On edge of floodplain ± ½ mile S of county road.

Mon. PE-2-L in SW SW Sec 3, 75' S of county road, in yard of negro house.

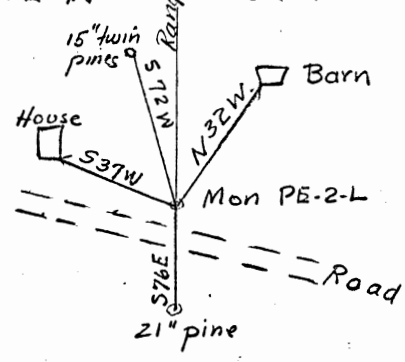
El. bronze cap 349.23 (USED SR-42 datum). Up 2' in 60', 5' in 200'

S side of E-W country road.

21' pine on N side of road	S 76° E	13.0'
NE corner of house S of road	S 37° W	68.8'
15" twin pines	S 72° W	53.8'
SE corner of barn S of road	N 32° W	156.4'

Note: these bearings appear erroneous

Nb. Sketch



Puskus Creek Range P-1

Length 981' Bearing S 77°40 W (1939)

In SW¼SE¼ Sec. 35, T-7-S, R-2-W, Lafayette Co., Miss.

Mon. P-1-R at foot of slope in wooded area 100' E of flood plain.

El. 100.00 (assumed)	Up 1' in 25',	3½' in 100'.
8" pine	S 84°E	11.5'
18" twin water oaks	S 53°W	78.6'
24" poplar	N 78°W	64.7'
12" sweet gum	N 64°W	40'

Mon. P-1-L on side of steep wooded bluff 25' W of flood plain.

El. 99.03⁵.	Up 3' in 14',	5' in 50'.
15" red oak	S 44°E	37.4'
10" hickory	N 69°E	19.3'
24" red oak	N 48°W	58.3'
21" post oak	N 77°W	28.4'

Puskus Creek Range P-2

Length 2182.1 Bearing N 35° 35 W (1939)

Mon. P-2-R in SW NE Sec. 28, T-7-S, R-1-W, La Fayette Co., Miss.

El. bronze cap 100.00 (assumed). Up 3' in 20', 7' in 75'.

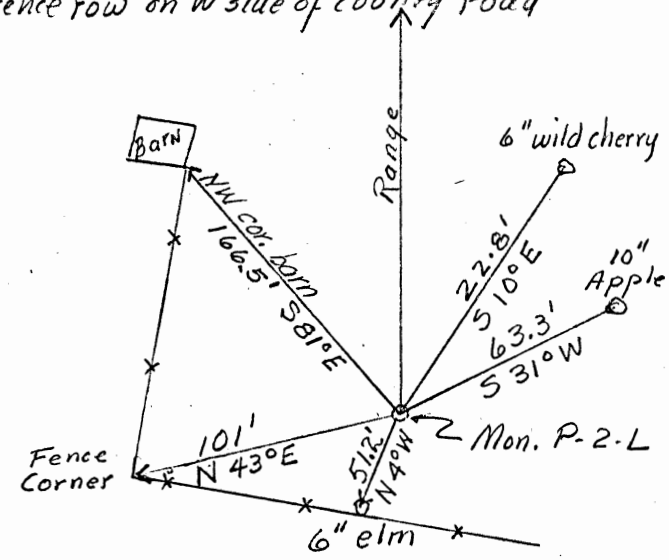
15" pine	N 61° E	These bearings apparently from monument toward witness points	32.4'
12" twin pine	N 41° W		46'
8" hickory	S 12° W		42.5'
12" white oak	S 12° E		52.8'

In edge of woods on hillside ± 400' W of road.

Mon. P-2-L in NE NW Sec. 28, on fence row on W side of county road

El. bronze cap 103.485

Up 3' in 30', 5' in 100'



Puskus Creek Range P-3

Length 2956.4' Bearing N80°45 W mag. (1939)

Mon. P-3-R in SE NW Sec. 13, T-7-S, R-1-W, La Fayette Co., Miss.

El. bronze cap 304.45 M.G.L. Up 5' in 100'

Under 24" hickory just off floodplain & ± 75' NE of creek bend.

24" hickory	S 81° E	17'
30" beech	S 22° W	73'
8" water oak on E-W fence line	N 14° W	32'
NW corner of barn	N 81° E	155'

Mon. P-3-L in SW NE Sec. 14, T-7-S, R-1-W.

El. bronze cap 301.47 M.G.L. Up 1' in 15', 3' in 100'

In pasture on edge of floodplain, 150' W of fence, ± 1000' S of country road.

16" pine	N 59° W	87'
Twin 26" red oak	S 37°30 E	215'
16" persimmon	S 13° E	183'

Puskus Creek Range P-A-1

Length 931.5' Bearing S 18°45 W mag. (1939)

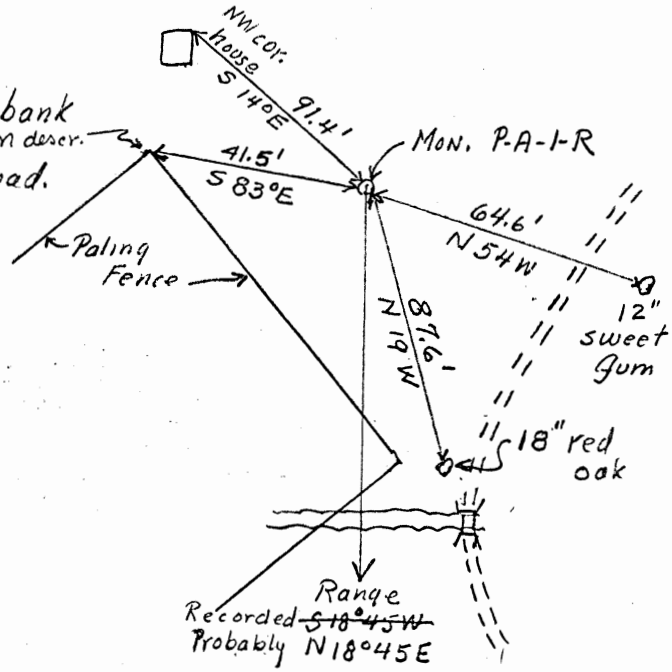
Mon. P-A-1-R in NW SW Sec. 22, T-7-S, R-1-W, Lafayette Co., Miss.

El. 100.00 (assumed)

Up 3' in 25', 4' in 95' from creek bank

In front yard of negro house, E side of road.

& south side of stream.

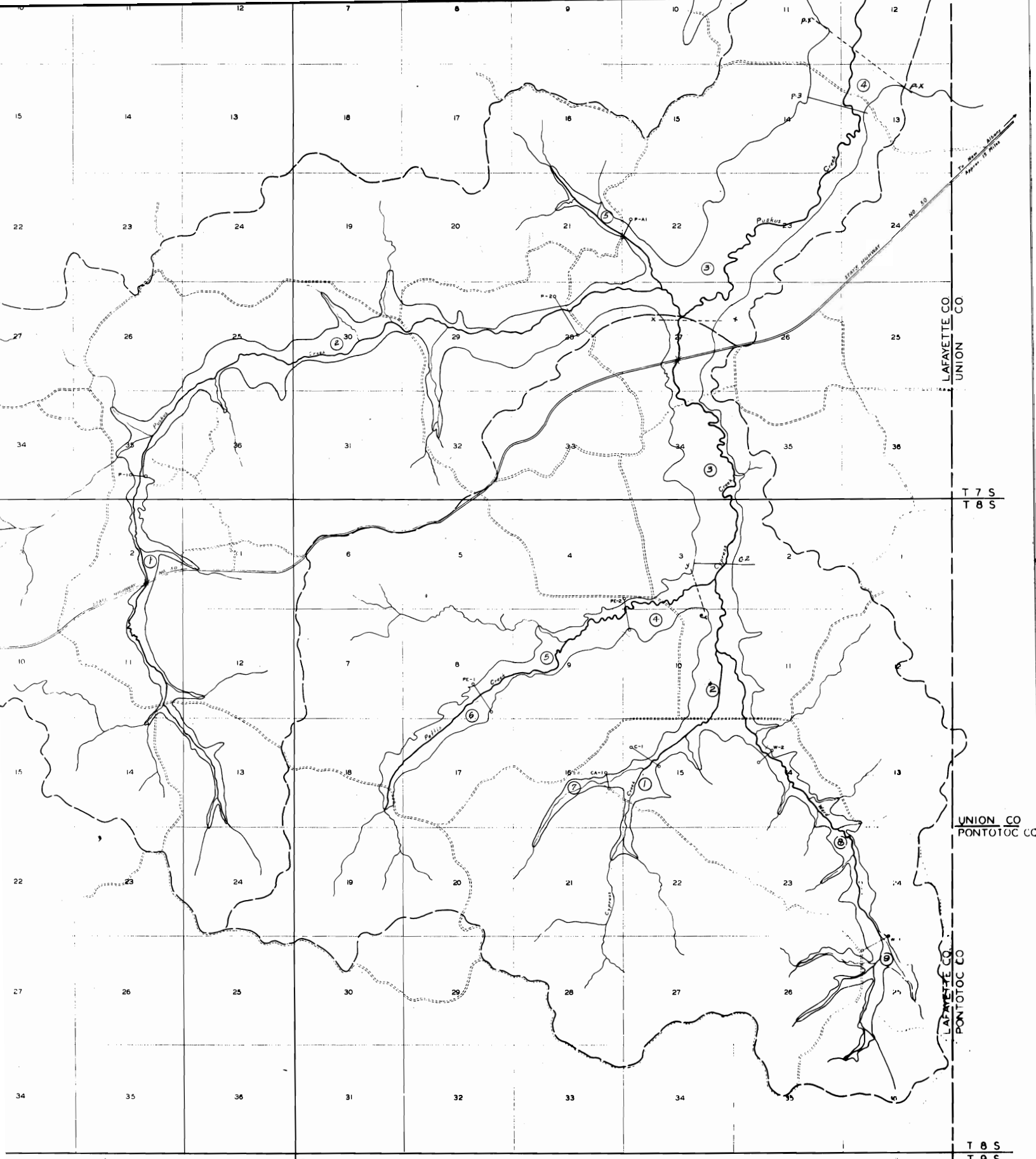


Mon. P-A-1-L in SWNW Sec. 22.

El. 100.69. Up 2' in 30', 3' in 100'

6"	elm	S 46° W	6.3'
8"	pine	S 56° E	93.4'
12"	pine	N 69° E	41.5'
8"	sweet gum	N 35° E	52.0'

± 400' E of road on edge of hill under scrub pine tree.



LEGEND

- COUNTY ROAD
- STATE HIGHWAY
- WATERSHED BOUNDARY
- FLOOD PLANE BOUNDARY
- W-1 VALLEY RANGE LINES
- COUNTY LINE

0 1 2
MILES

LITTLE TALLAHATCHIE WATERSHED (39)

PUSKUS AND CYPRESS CREEKS

FLOOD CONTROL SURVEY

SEDIMENTATION STUDIES

SCALE 1:21,120 OR 3" TO 1 MILE