

CROSS SECTION SAMPLE FORM

SAMPLE NUMBER: Field MPU 1 (BOSTON TREE)
Lab _____

Laboratory of Tree-Ring Research
University of Arizona
Tucson, Arizona 85721
602/621-2191

FIRE-SCAR FLOOD-SCAR _____ OTHER _____
SITE MARIPOSA UPPER
DATE OF COLLECTION 6/27/89
COLLECTOR(S) TIN SWETNAM, CH BAI SKY, ALCAPRIO, J HABETEMICH,
TIN SWETNAM, BO PEACHEY, IVAN WAGENBONK, JIM BROWN

MICROSITE DESCRIPTION

SLOPE 10°
ASPECT W
SPECIES DENSITY Mod
OTHER _____

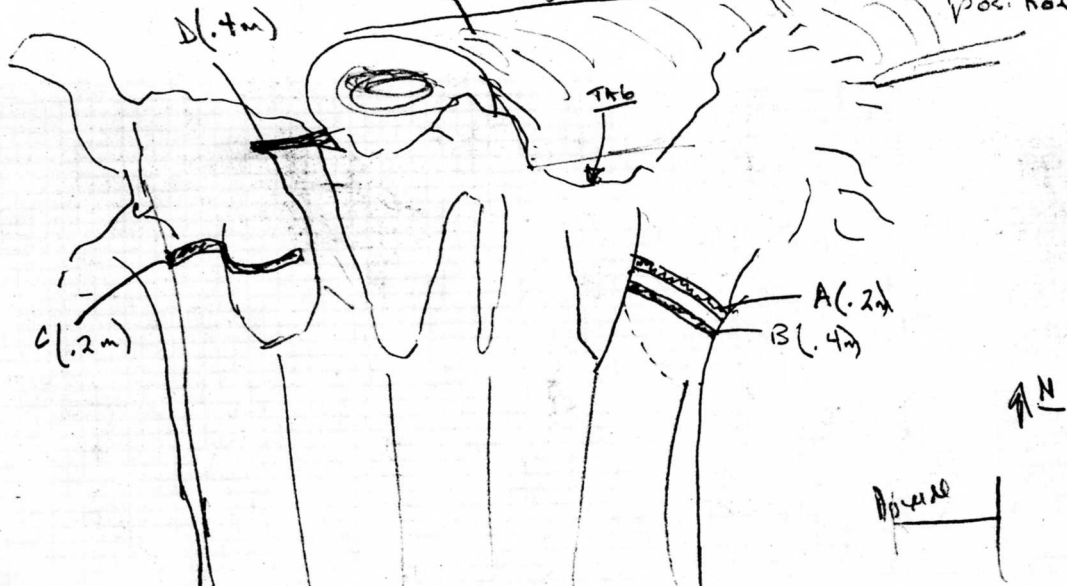
DRY _____
INTERMEDIATE X
MOIST _____

TREE DESCRIPTION

SPECIES SEGD
DIAMETER 3.75m HEIGHT 72m
CROWN DENSITY & HEIGHT _____
LEAN DIRECTION AND DEGREE _____
LIVING _____
SNAG _____
STUMP _____
LOG X
LABEL ATTACHED? NO YES LOCATION? INSIDE CRACK UNDERMATH TREE
PHOTOS TAKEN? NO YES OF WHAT? CUTTINGS ETC. (TOMY, SACH, BUD)
STATE OF PRESERVATION GOOD - SAPWOOD, BARK PRESENT TREE FELL IN 1981

SAPWOOD PRESENT? NO YES

DRAWING OF TREE (NORTH ARROW, SLOPE, LOCATIONS OF SAMPLES TAKEN, ETC.):
(TIME: leaning against roots but will probably not last long in this position)

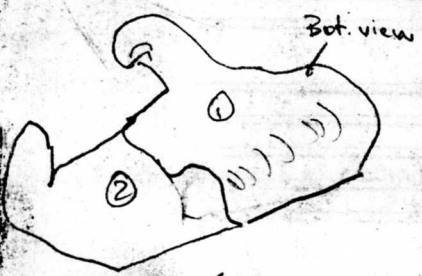


SAMPLE DESCRIPTION

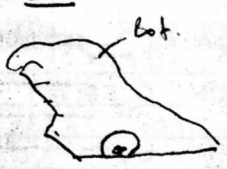
NO. OF SAMPLES TAKEN 5
HEIGHT OF SAMPLE(S) ON BOLE (see above)
NO. OF PIECES/SAMPLE A (2) B (1) C (2) D (2) E (6)
NO. OF SCARS VISIBLE BEFORE CUTTING 10 AFTER _____
DRAWING OF SAMPLE(S) ON BACK OF FORM:

MAP AND COMMENTS ON REVERSE

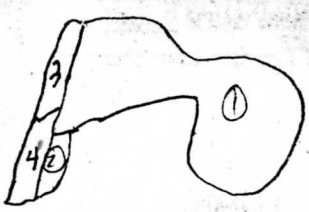
1A



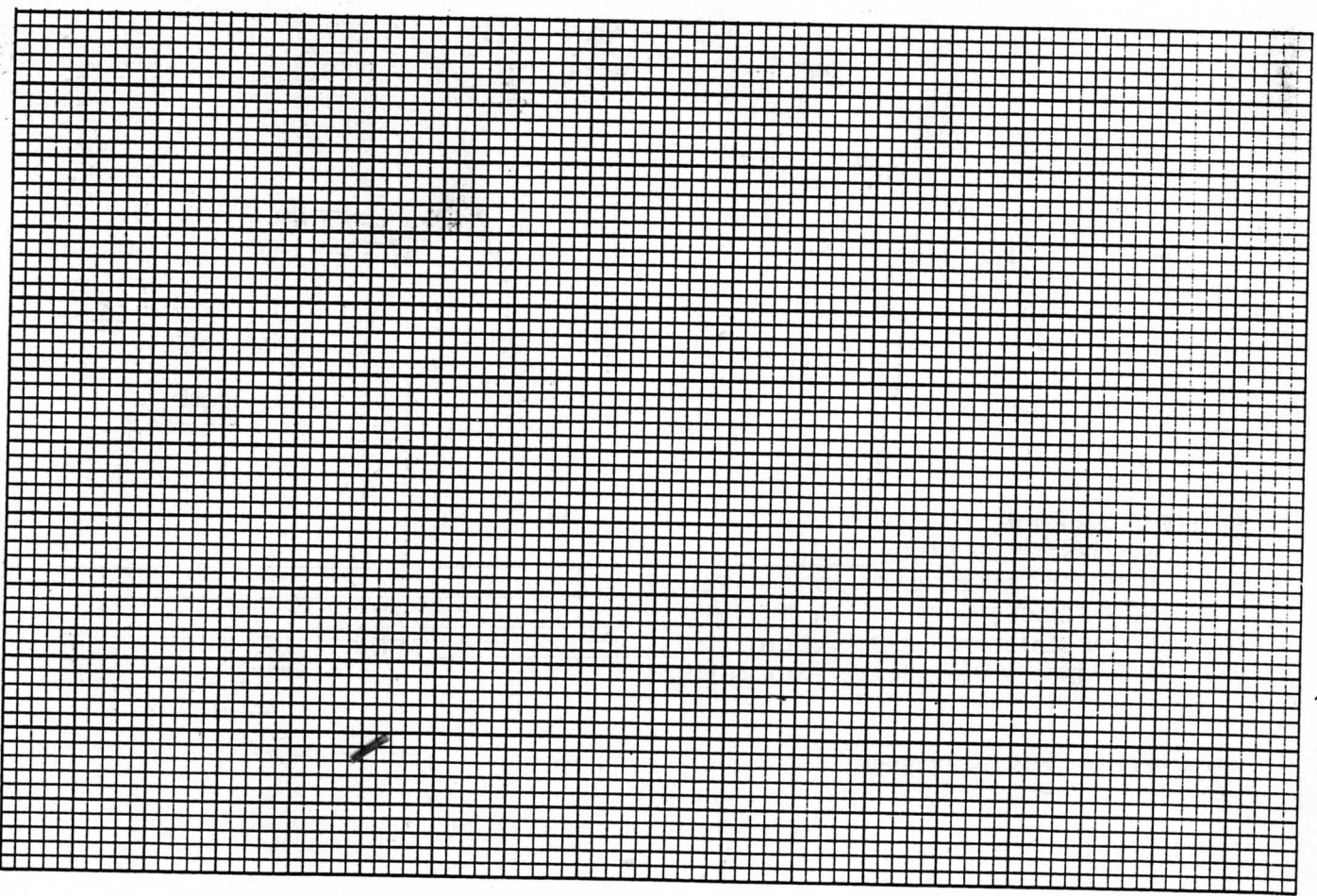
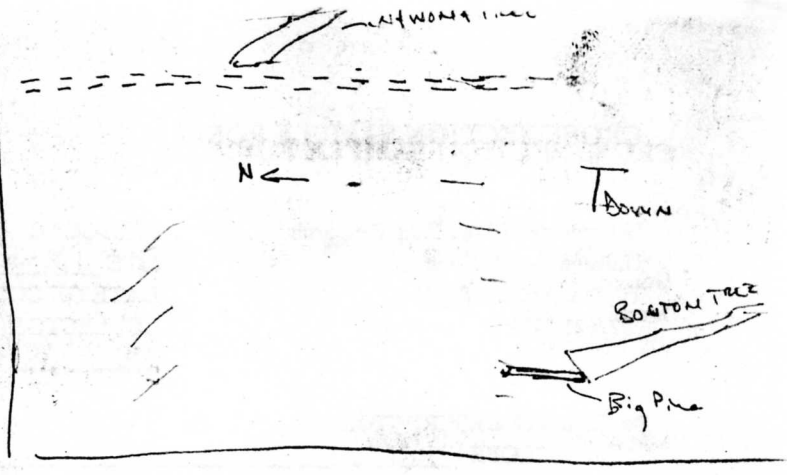
1B



1C



1D



CROSS SECTION SAMPLE FORM

SAMPLE NUMBER: Field MPU 2
Lab _____

Laboratory of Tree-Ring Research
University of Arizona
Tucson, Arizona 85721
602/621-2191

FIRE-SCAR FLOOD-SCAR _____ OTHER _____
SITE MARIPOSA UPPER
DATE OF COLLECTION 6/27/99
COLLECTOR(S) TWS, ACC, CHS, JHB, JWVK, TCS, PMB, BDP

MICROSITE DESCRIPTION

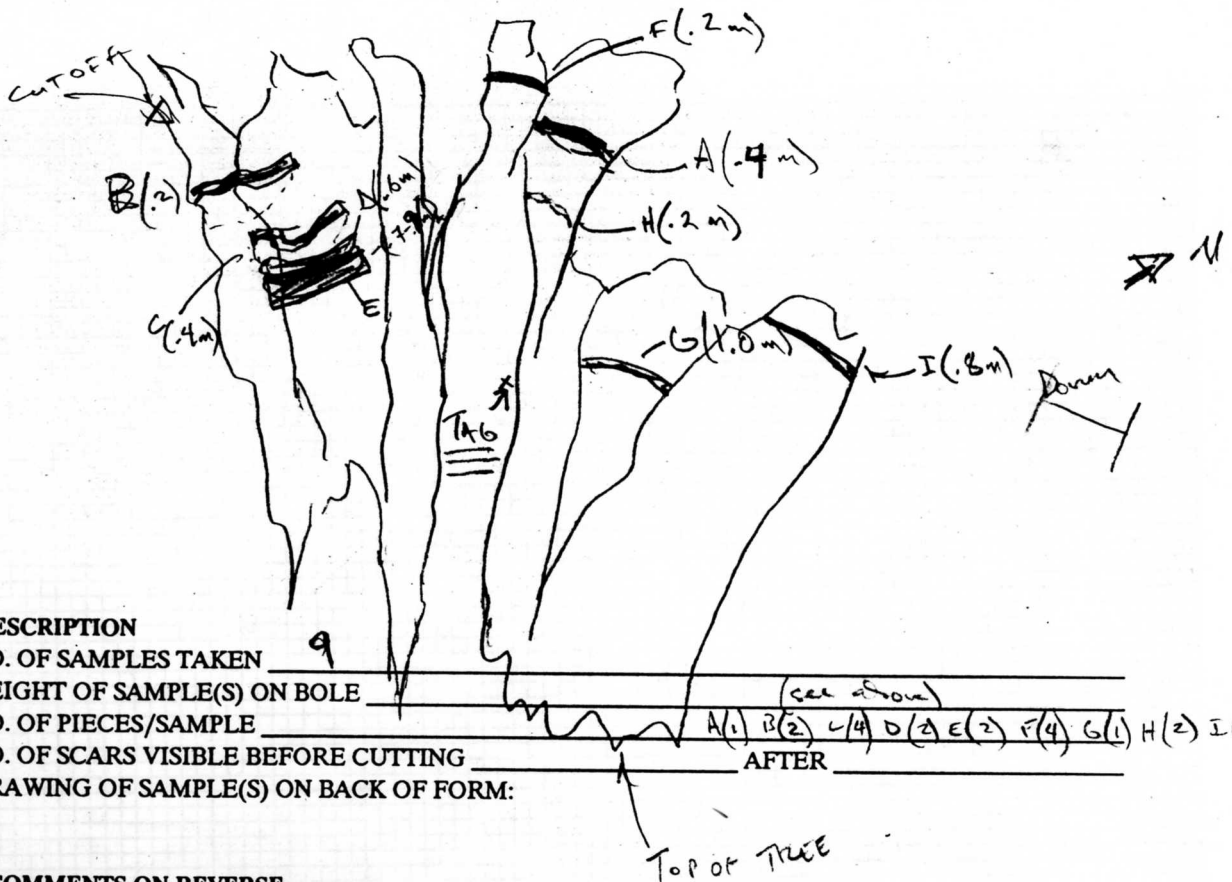
SLOPE 10°
ASPECT W SW
SPECIES DENSITY MODERATE
OTHER _____

DRY _____
INTERMEDIATE (2 150m above meadow)
MOIST _____

TREE DESCRIPTION

SPECIES SEGT
DIAMETER 3.9m HEIGHT 5.7m
CROWN DENSITY & HEIGHT _____
LEAN DIRECTION AND DEGREE _____
LABEL ATTACHED? NO YES LOCATION? (see below) (will probably burn up in next fire)
PHOTOS TAKEN? NO YES OF WHAT? (TANY, BIL)
STATE OF PRESERVATION POOR - VERY ERODED, LOTS OF CHAR ON OUTER EDGES - OLD TREE...
SAPWOOD PRESENT? NO YES
DRAWING OF TREE (NORTH ARROW, SLOPE, LOCATIONS OF SAMPLES TAKEN, ETC.):

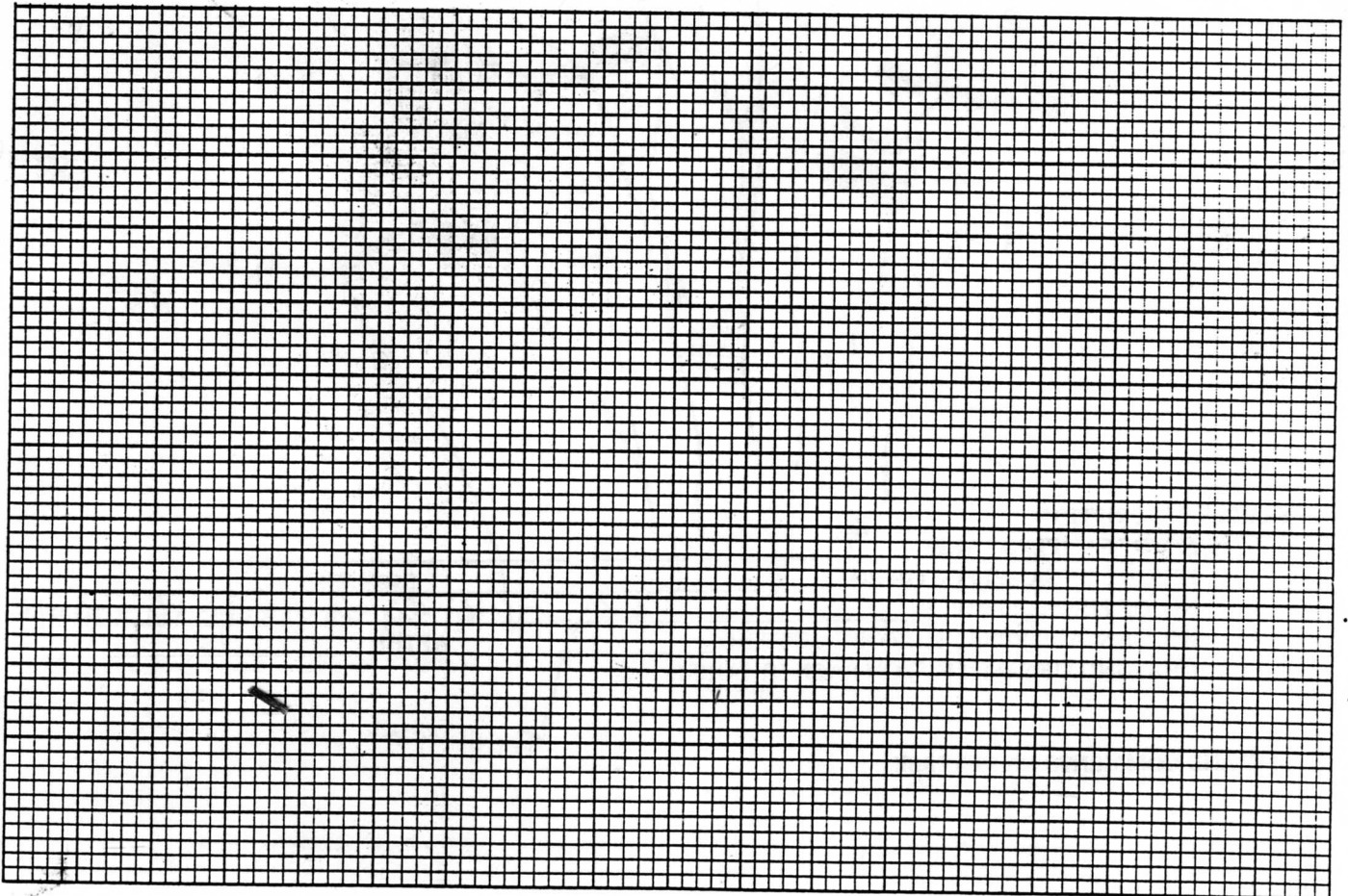
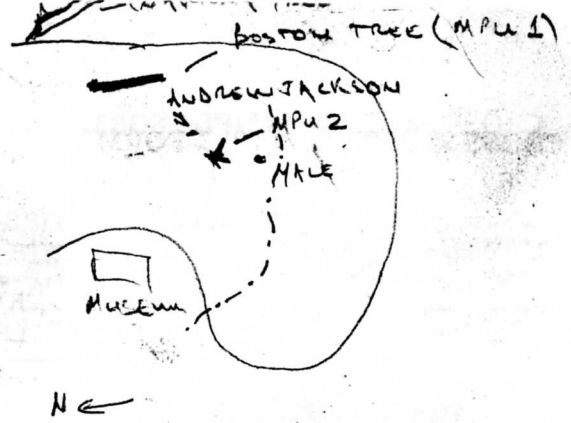
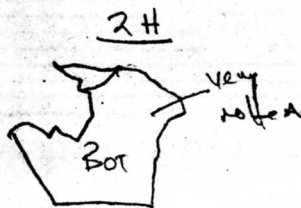
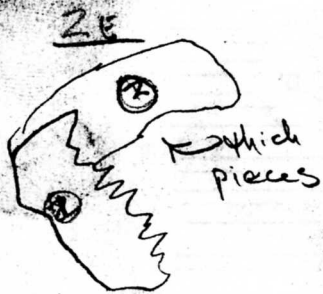
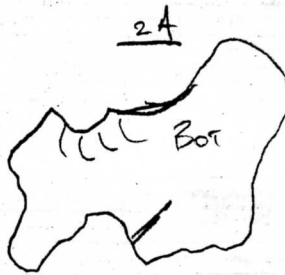
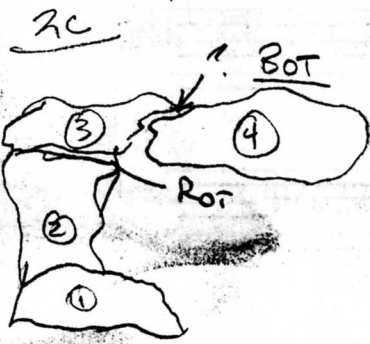
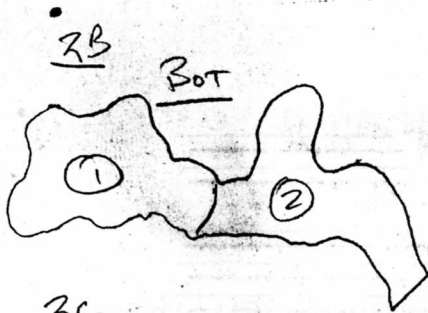
LIVING _____
SNAG _____
STUMP _____
LOG



SAMPLE DESCRIPTION

NO. OF SAMPLES TAKEN 9
HEIGHT OF SAMPLE(S) ON BOLE _____ (see above)
NO. OF PIECES/SAMPLE _____
NO. OF SCARS VISIBLE BEFORE CUTTING _____ AFTER A(1) B(2) C(4) D(2) E(2) F(4) G(1) H(2) I(1)
DRAWING OF SAMPLE(S) ON BACK OF FORM:

MAP AND COMMENTS ON REVERSE



CROSS SECTION SAMPLE FORM

SAMPLE NUMBER: Field MPU 3 (STABLE TREE)
Lab _____

Laboratory of Tree-Ring Research
University of Arizona
Tucson, Arizona 85721
602/621-2191

FIRE-SCAR FLOOD-SCAR _____ OTHER _____
SITE MARIPOSA UPPER
DATE OF COLLECTION 6/27/99
COLLECTOR(S) TWS, ACC, CHR, BDP, JWW, JHD, TCS, PMS

MICROSITE DESCRIPTION

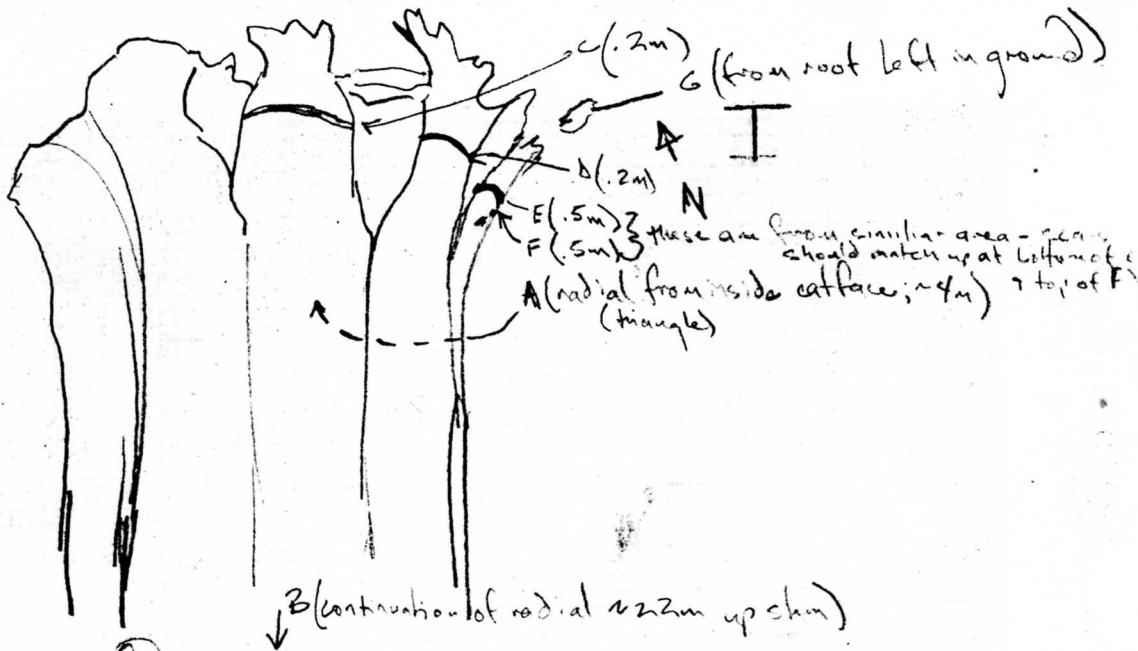
SLOPE 10°
ASPECT SSW
SPECIES DENSITY MODERATE
OTHER DRAINAGE ~ 20m downslope to SW -

DRY _____
INTERMEDIATE (275m up from meadow)
MOIST _____

TREE DESCRIPTION

SPECIES SEGI
DIAMETER 4.0m HEIGHT 67.1m
CROWN DENSITY & HEIGHT _____
LEAN DIRECTION AND DEGREE _____
LABEL ATTACHED? NO YES LOCATION? INSIDE OF CATFACE UNDERNEATH
PHOTOS TAKEN? NO YES OF WHAT? SALAMANDER, OTHER (TONG, BELL, SACK?)
STATE OF PRESERVATION GOOD - BARK, SAPWOOD STILL PRESENT ON STEM - SOME CHAR FROM BURNING
SAPWOOD PRESENT? NO YES
DRAWING OF TREE (NORTH ARROW, SLOPE, LOCATIONS OF SAMPLES TAKEN, ETC.):

LIVING _____
SNAG _____
STUMP _____
LOG

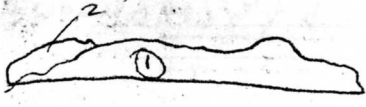


SAMPLE DESCRIPTION

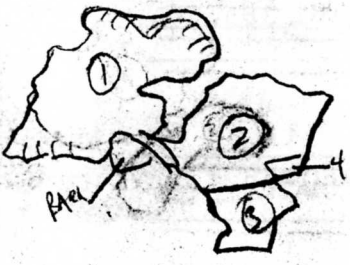
NO. OF SAMPLES TAKEN (7)
HEIGHT OF SAMPLE(S) ON BOLE see above
NO. OF PIECES/SAMPLE A(1) B(2) C(4) D(1) E(3) F(6) G(1)
NO. OF SCARS VISIBLE BEFORE CUTTING _____ AFTER _____
DRAWING OF SAMPLE(S) ON BACK OF FORM:

MAP AND COMMENTS ON REVERSE

3B



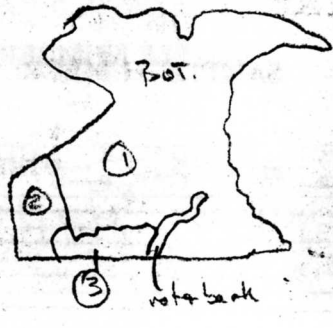
3C



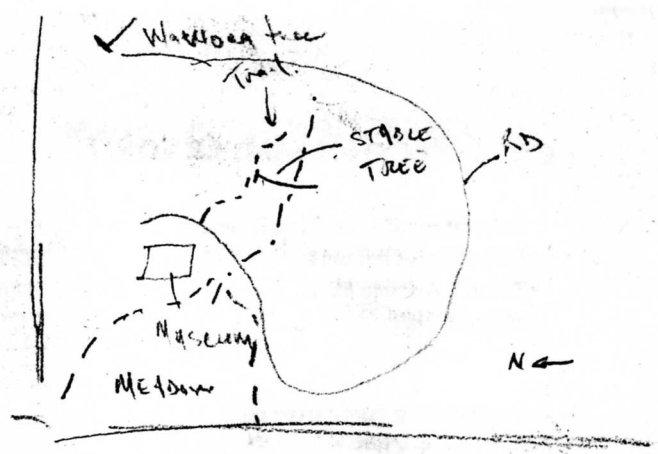
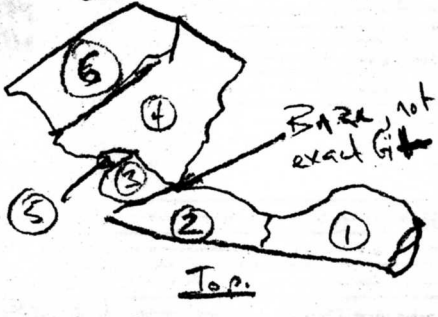
3D



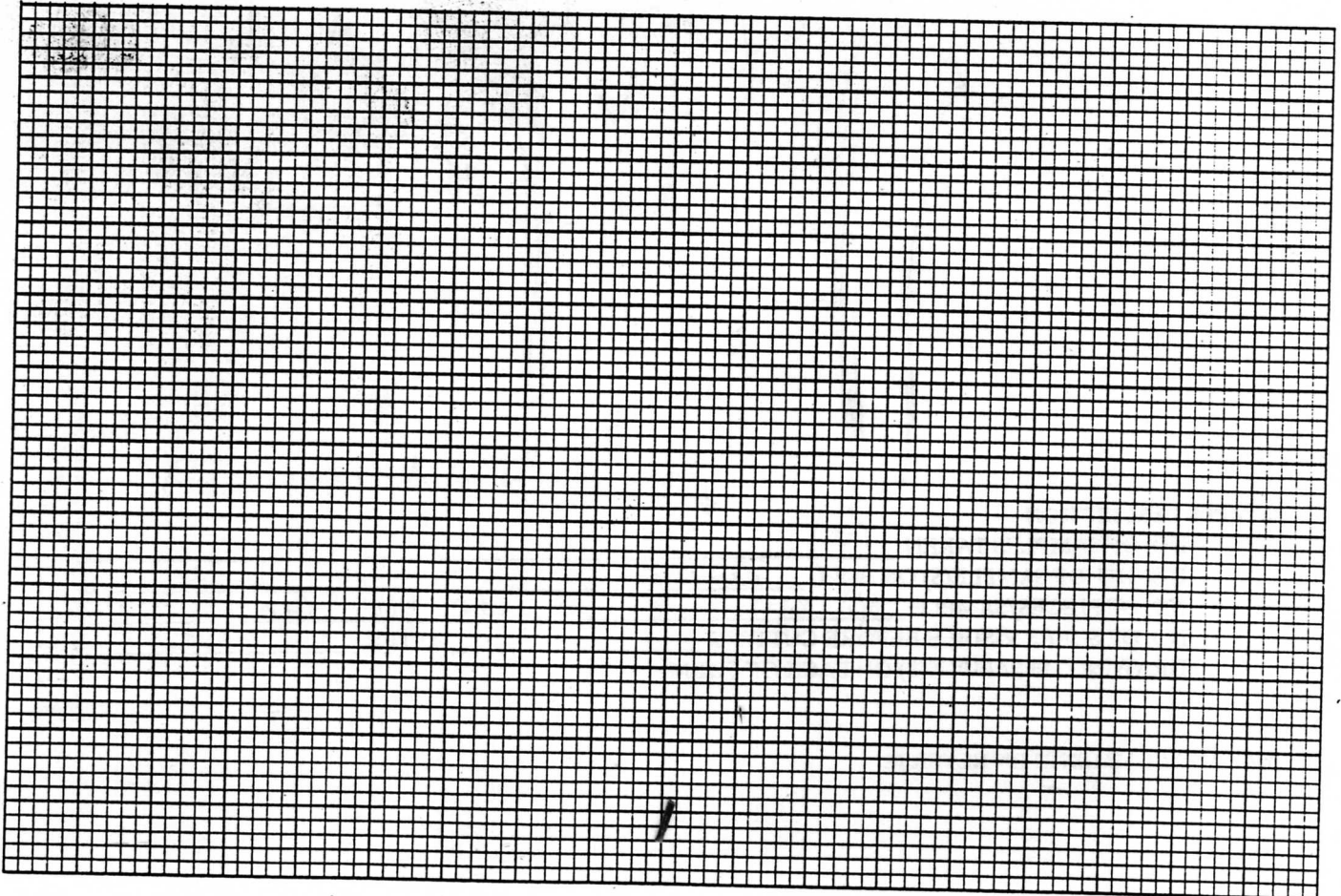
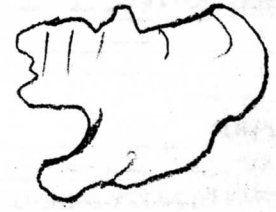
3E



3F



3G



CROSS SECTION SAMPLE FORM

SAMPLE NUMBER: Field MPu 4 (~~6~~)
Lab _____

Laboratory of Tree-Ring Research
University of Arizona
Tucson, Arizona 85721
602/621-2191

FIRE-SCAR FLOOD-SCAR _____ OTHER _____
SITE MARIPOSA UPPER
DATE OF COLLECTION 6/28/89
COLLECTOR(S) TWS, CHB, ALL, TWS, BDP, PMS, JHB

MICROSITE DESCRIPTION

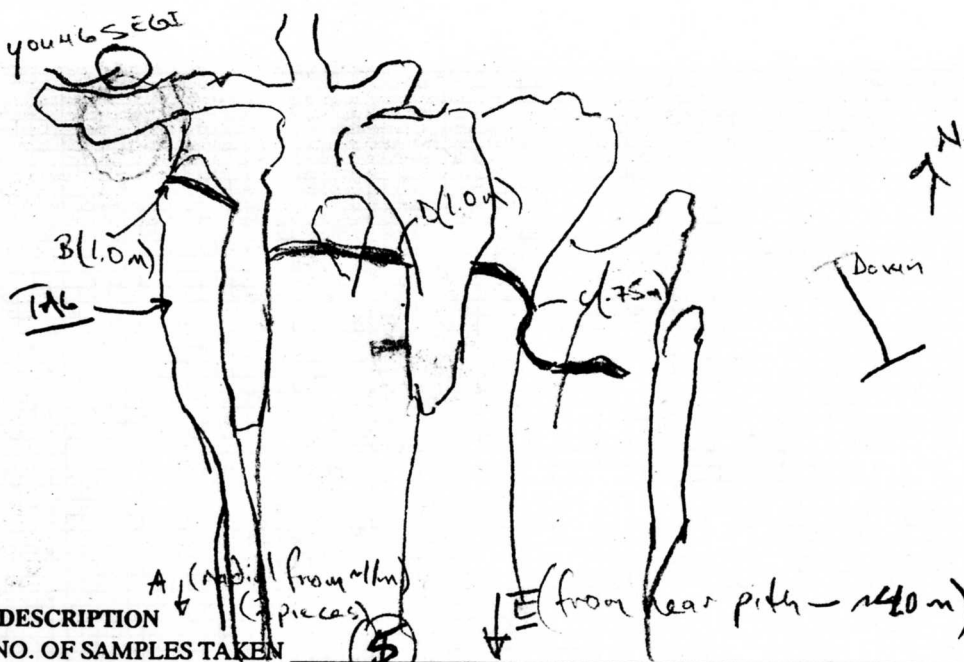
SLOPE 15°
ASPECT IMMEDIATE: NNW, OVERALL SW
SPECIES DENSITY MODERATE TO HEAVY
OTHER 20m above small drainage; LUMINE PRESENT ON SLOPE AROUND TREE

DRY _____
INTERMEDIATE
MOIST _____

TREE DESCRIPTION

SPECIES SEGI
DIAMETER ~3.0m HEIGHT ?
CROWN DENSITY & HEIGHT _____
LEAN DIRECTION AND DEGREE _____
LABEL ATTACHED? NO YES LOCATION? (see below)
PHOTOS TAKEN? NO YES OF WHAT? _____
STATE OF PRESERVATION GOOD - BARK, SAPWOOD PRESENT ON UPPER SURFACES. EYE CORNER SLIGHTLY ERODED. NO BURNING.
SAPWOOD PRESENT? NO YES
DRAWING OF TREE (NORTH ARROW, SLOPE, LOCATIONS OF SAMPLES TAKEN, ETC.):

LIVING _____
SNAG _____
STUMP _____
LOG

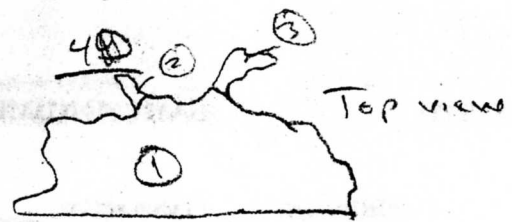
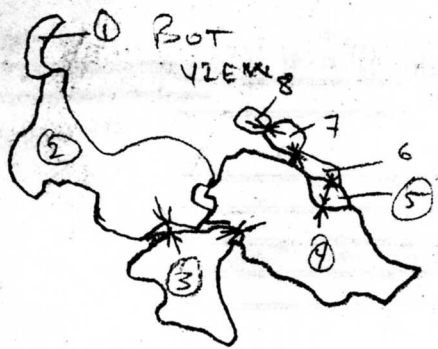


SAMPLE DESCRIPTION

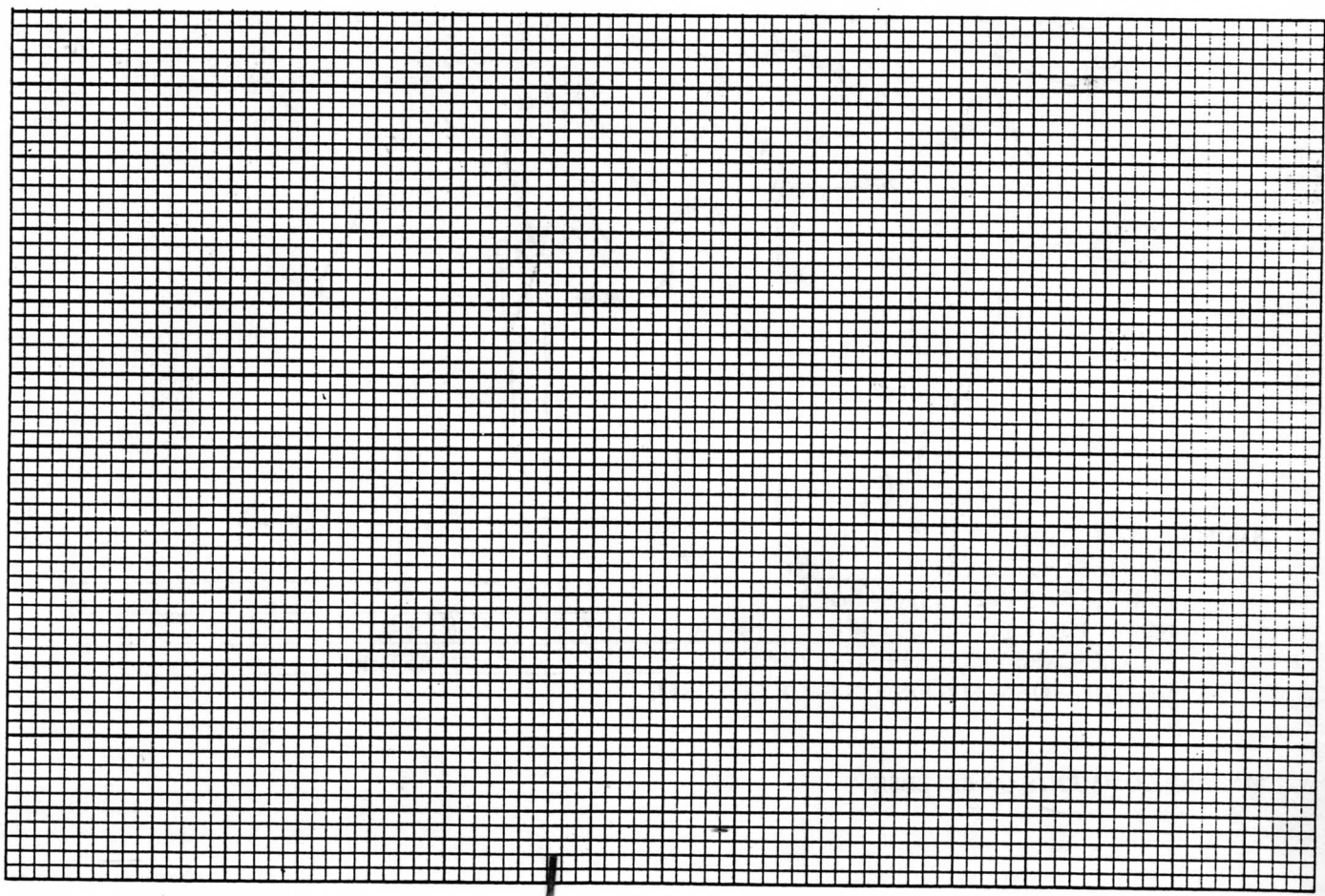
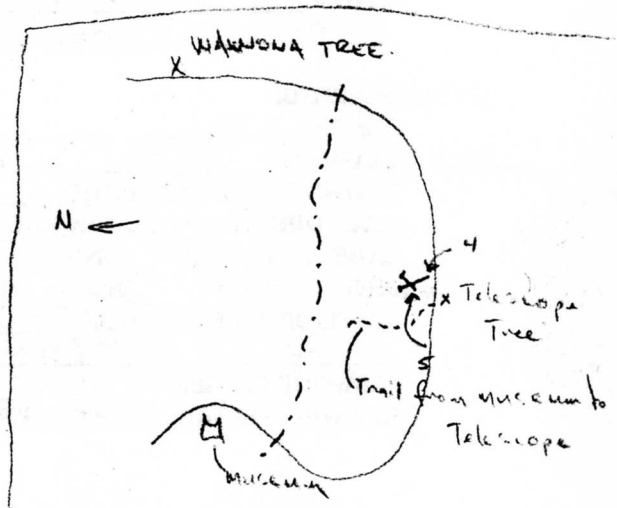
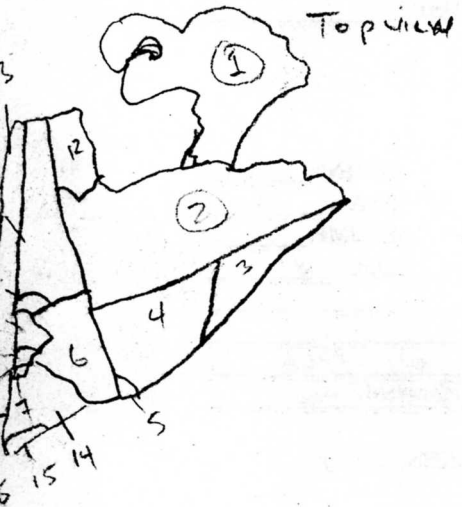
NO. OF SAMPLES TAKEN 5
HEIGHT OF SAMPLE(S) ON BOLE _____
NO. OF PIECES/SAMPLE A(1) P(8±) C(16) N(3) E(2)
NO. OF SCARS VISIBLE BEFORE CUTTING _____ AFTER _____
DRAWING OF SAMPLE(S) ON BACK OF FORM:

MAP AND COMMENTS ON REVERSE

4B



4C



CROSS SECTION SAMPLE FORM

SAMPLE NUMBER: Field MPUS (M...)
 Lab _____

Laboratory of Tree-Ring Research
 University of Arizona
 Tucson, Arizona 85721
 602/621-2191

FIRE-SCAR FLOOD-SCAR _____ OTHER _____
 SITE MARIPOSA UPPER
 DATE OF COLLECTION 6/28/89
 COLLECTOR(S) TWS, CHB, ACC, JAD, TLS, BDP, PMB

~~ROBT~~
 E (EE)

MICROSITE DESCRIPTION

SLOPE 15°
 ASPECT IMMEDIATE: NNW OVERALL: SW
 SPECIES DENSITY Moderate to heavy
 OTHER Tree approx. 10m above small drainage leading to meadow area, lupine present on hillsides.

DRY _____
 INTERMEDIATE
 MOIST _____

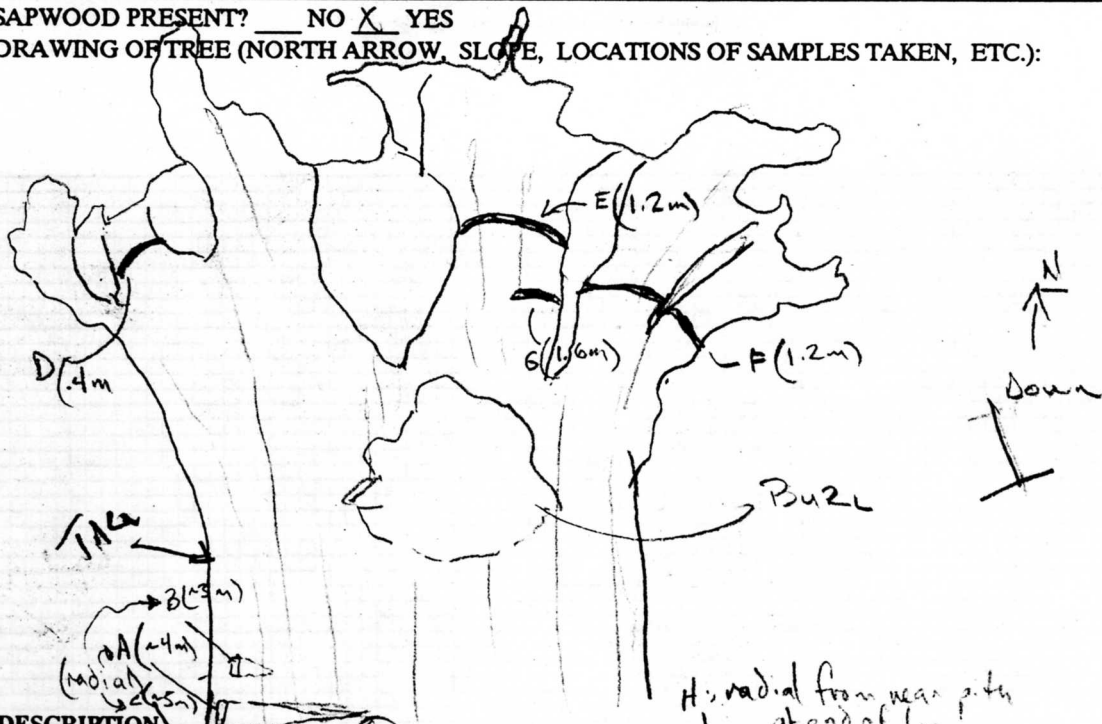
TREE DESCRIPTION

SPECIES SEGE
 DIAMETER ~4.0m HEIGHT _____
 CROWN DENSITY & HEIGHT _____
 LEAN DIRECTION AND DEGREE _____
 LABEL ATTACHED? NO YES LOCATION? (see below)
 PHOTOS TAKEN? NO YES OF WHAT? _____
 STATE OF PRESERVATION Good, Bark Sapwood Present.

LIVING _____
 SNAG _____
 STUMP _____
 LOG

SAPWOOD PRESENT? NO YES

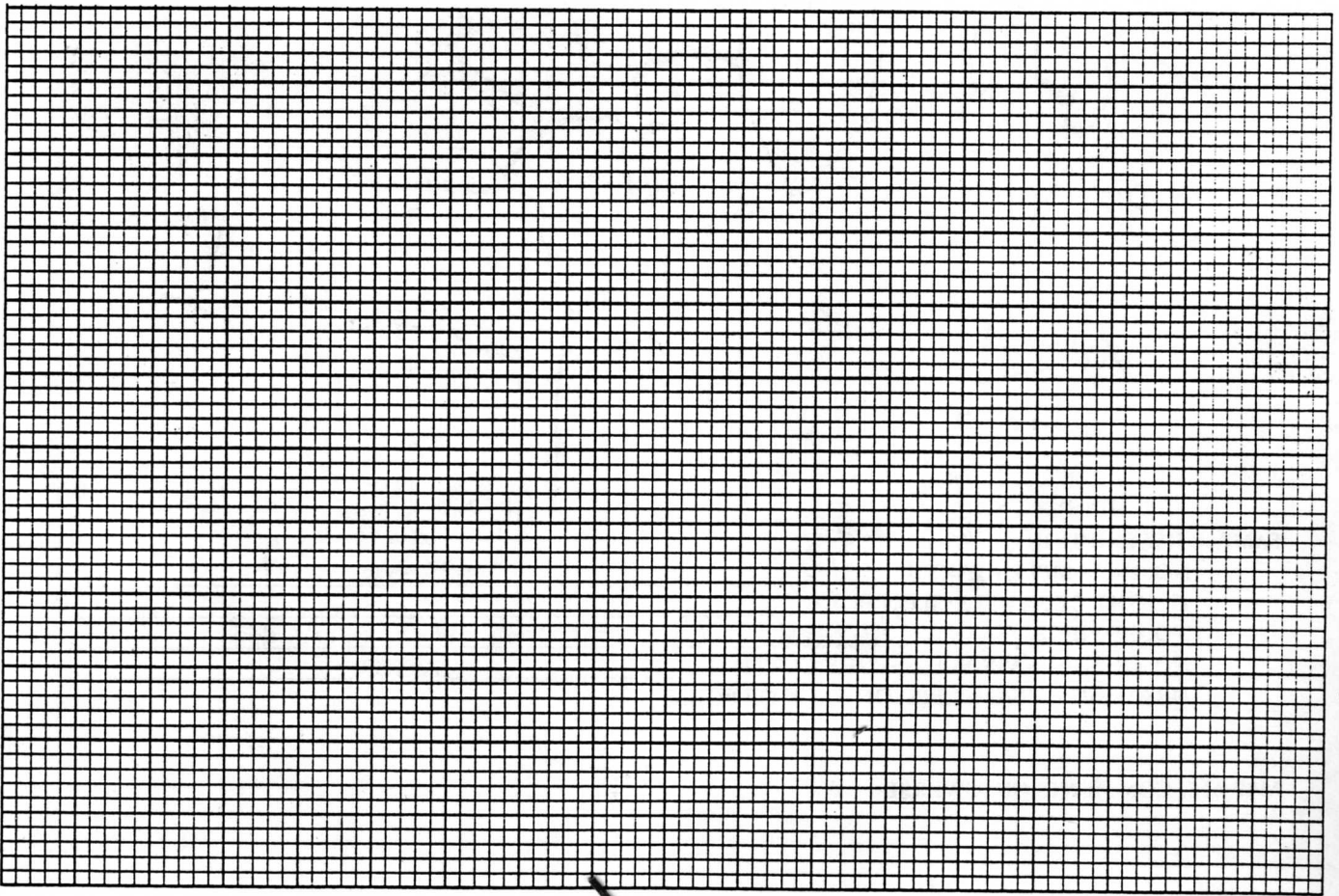
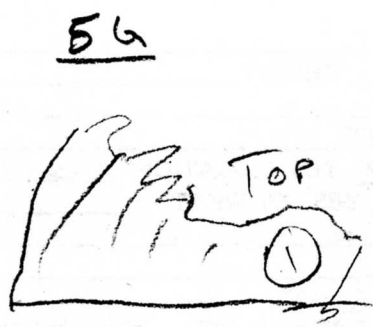
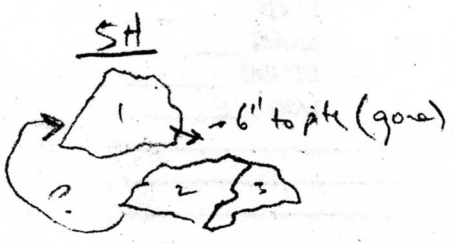
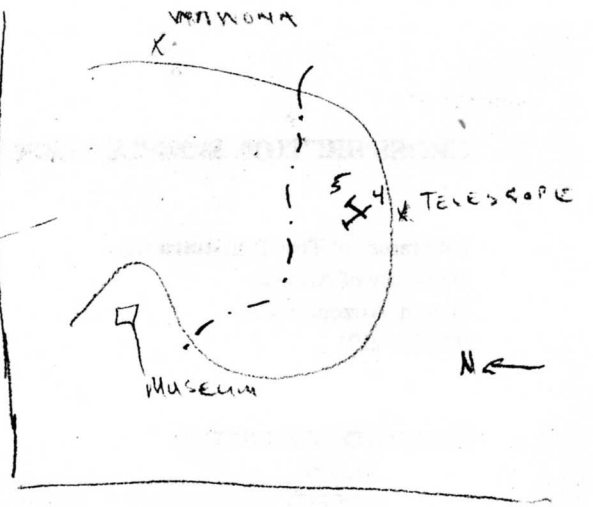
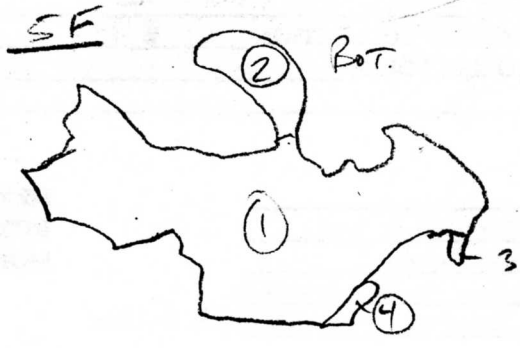
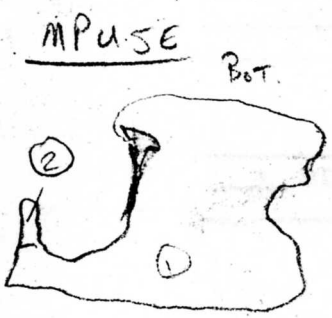
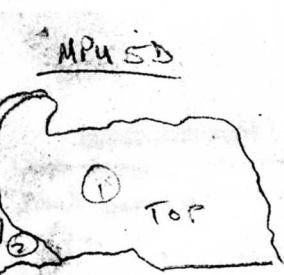
DRAWING OF TREE (NORTH ARROW, SLOPE, LOCATIONS OF SAMPLES TAKEN, ETC.):



SAMPLE DESCRIPTION

NO. OF SAMPLES TAKEN (8)
 HEIGHT OF SAMPLE(S) ON BOLE _____
 NO. OF PIECES/SAMPLE A(1) B(1) C(1) D(2) E(2) F(4) G(1) H(3)
 NO. OF SCARS VISIBLE BEFORE CUTTING _____ AFTER _____
 DRAWING OF SAMPLE(S) ON BACK OF FORM:

MAP AND COMMENTS ON REVERSE



CROSS SECTION SAMPLE FORM

SAMPLE NUMBER: Field MPu 6 (OGG TREES)
Lab _____

Laboratory of Tree-Ring Research
University of Arizona
Tucson, Arizona 85721
602/621-2191

FIRE-SCAR FLOOD-SCAR _____ OTHER _____
SITE MARIPOSA UPPER
DATE OF COLLECTION 6/29/89
COLLECTOR(S) TWK, CHR, ACC, EDP, JWW, TCS, PMR, JHS
+ John Hawksworth

MICROSITE DESCRIPTION

SLOPE 20° 2 according to a vole.
ASPECT SE
SPECIES DENSITY Low
OTHER 2 OLD TREES HERE, Plus 4(?) FAIRM
YOUNG SNAGS (MAYBE ONLY 2 - OGG in original report under 3 but scraped
to John Hawksworth. But 3rd may just be part of butt. Here it
is called MPu 8.)

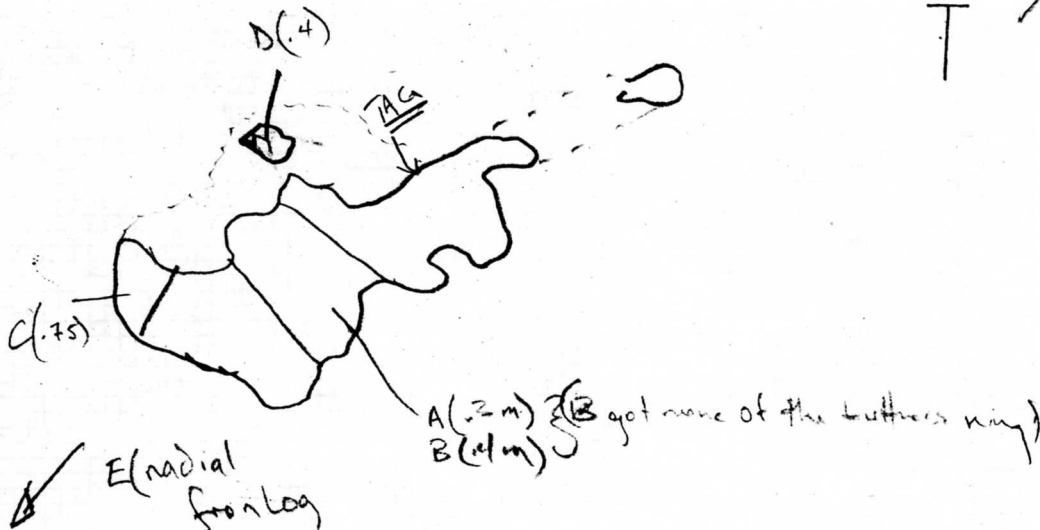
DRY
INTERMEDIATE _____
MOIST _____

TREE DESCRIPTION

SPECIES SEGE
DIAMETER 4.6m HEIGHT 20m (snag) (log ~ 25m)
CROWN DENSITY & HEIGHT _____
LEAN DIRECTION AND DEGREE _____
LIVING _____
SNAG
STUMP _____
LOG _____
LABEL ATTACHED? NO YES LOCATION? (see below)
PHOTOS TAKEN? NO YES OF WHAT? _____
STATE OF PRESERVATION FAIR - SAPWOOD PRESENT BUT CRACKED.
SOME BARK LEFT

SAPWOOD PRESENT? NO YES

DRAWING OF TREE (NORTH ARROW, SLOPE, LOCATIONS OF SAMPLES TAKEN, ETC.):



SAMPLE DESCRIPTION

NO. OF SAMPLES TAKEN 5
HEIGHT OF SAMPLE(S) ON BOLE see above
NO. OF PIECES/SAMPLE A(1) B(9+) C(6) D(2?) E(1: radial)
NO. OF SCARS VISIBLE BEFORE CUTTING _____ AFTER _____
DRAWING OF SAMPLE(S) ON BACK OF FORM:

MAP AND COMMENTS ON REVERSE

6A

Top

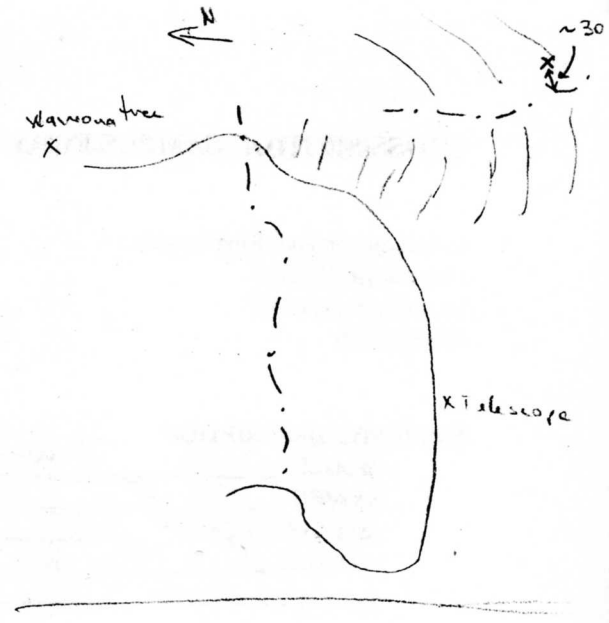


N

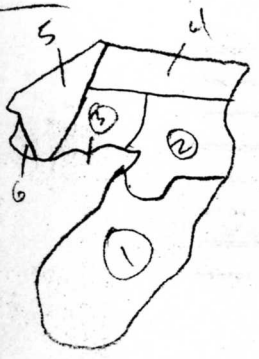
~30

slanted tree
X

X telescope

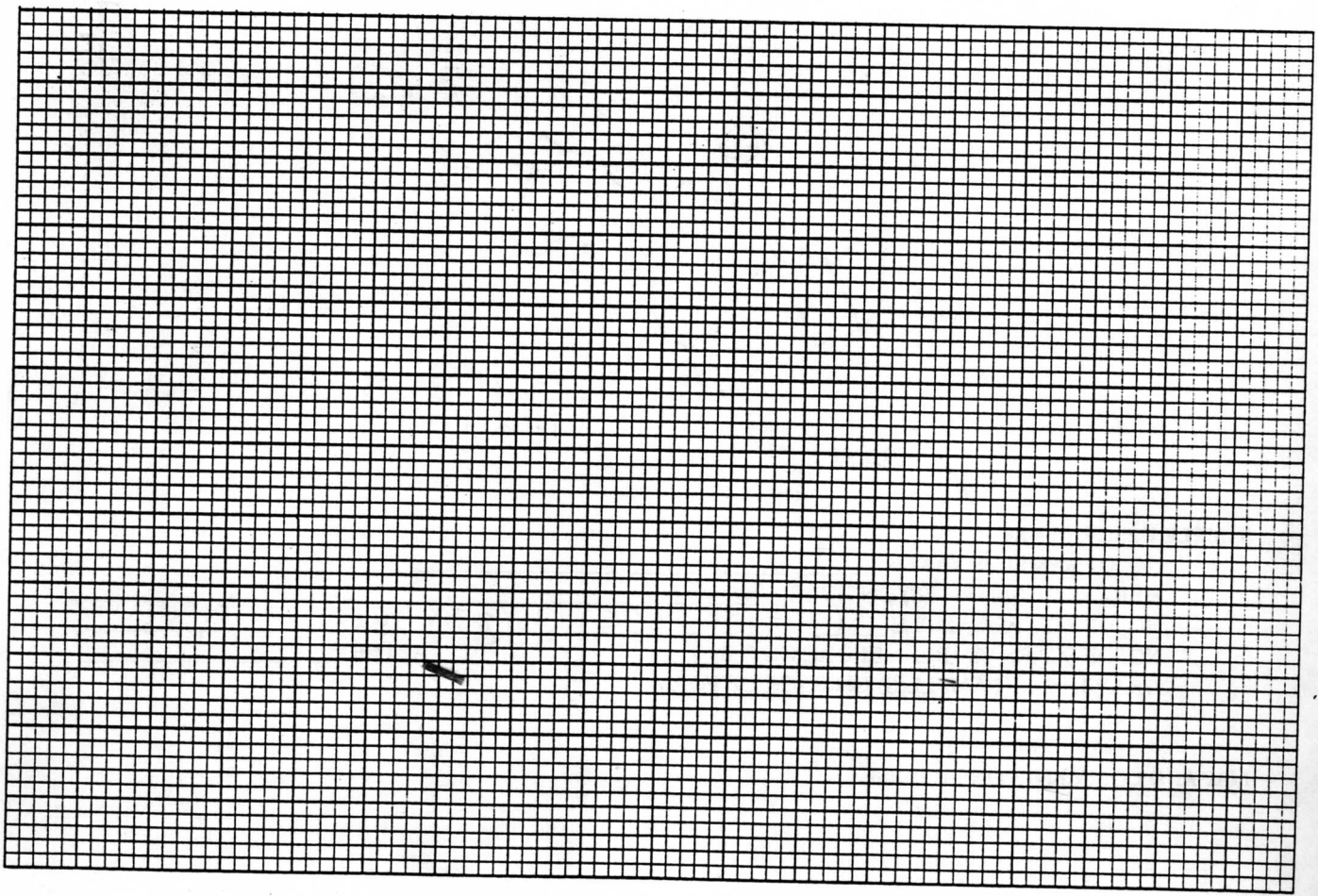


6C



6D

No drawing
of it



CROSS SECTION SAMPLE FORM

SAMPLE NUMBER: Field MPu 7 (OGG TREES)
Lab _____

Laboratory of Tree-Ring Research
University of Arizona
Tucson, Arizona 85721
602/621-2191

FIRE-SCAR FLOOD-SCAR _____ OTHER _____
SITE MARIPOSA UPPER
DATE OF COLLECTION 6/29/89
COLLECTOR(S) TWS, CHB, ACC, JWW, BSP, TCS, JHD,
WSH, PMB

MICROSITE DESCRIPTION

SLOPE 20°
ASPECT SE
SPECIES DENSITY low
OTHER _____

DRY
INTERMEDIATE _____
MOIST _____

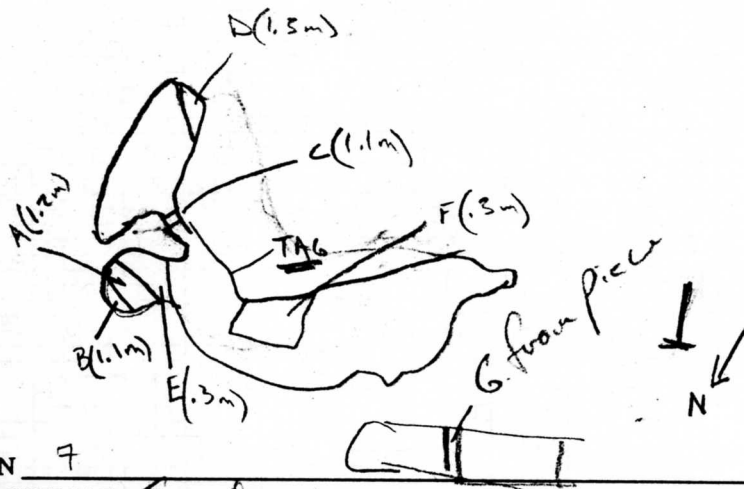
TREE DESCRIPTION

SPECIES SEGL
DIAMETER 3.2m HEIGHT 12m
CROWN DENSITY & HEIGHT _____
LEAN DIRECTION AND DEGREE _____
LABEL ATTACHED? NO YES LOCATION? (see below)
PHOTOS TAKEN? NO YES OF WHAT? _____
STATE OF PRESERVATION FAIR - BARK SAPWOOD PRESENT BUT VERY ERODED.

LIVING _____
SNAG
STUMP _____
LOG _____

SAPWOOD PRESENT? NO YES

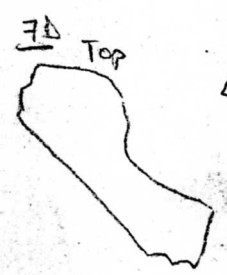
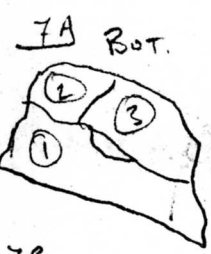
DRAWING OF TREE (NORTH ARROW, SLOPE, LOCATIONS OF SAMPLES TAKEN, ETC.):



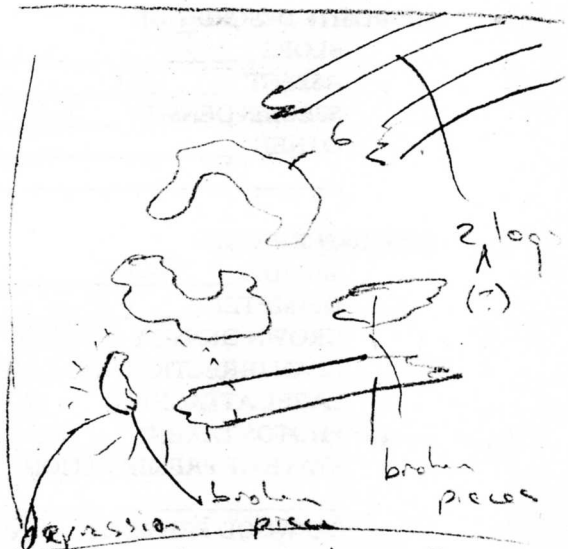
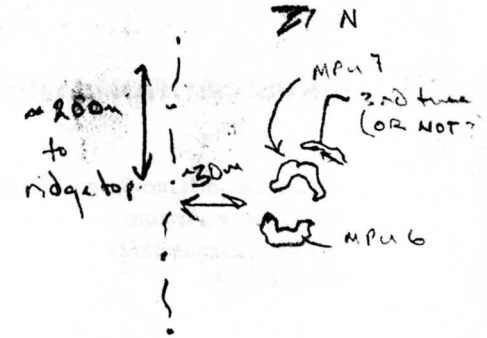
SAMPLE DESCRIPTION

NO. OF SAMPLES TAKEN 7
HEIGHT OF SAMPLE(S) ON BOLE (see above)
NO. OF PIECES/SAMPLE A(3) B(2) C(2) D(1) E(4) F(3) G(1)
NO. OF SCARS VISIBLE BEFORE CUTTING _____ AFTER _____
DRAWING OF SAMPLE(S) ON BACK OF FORM:

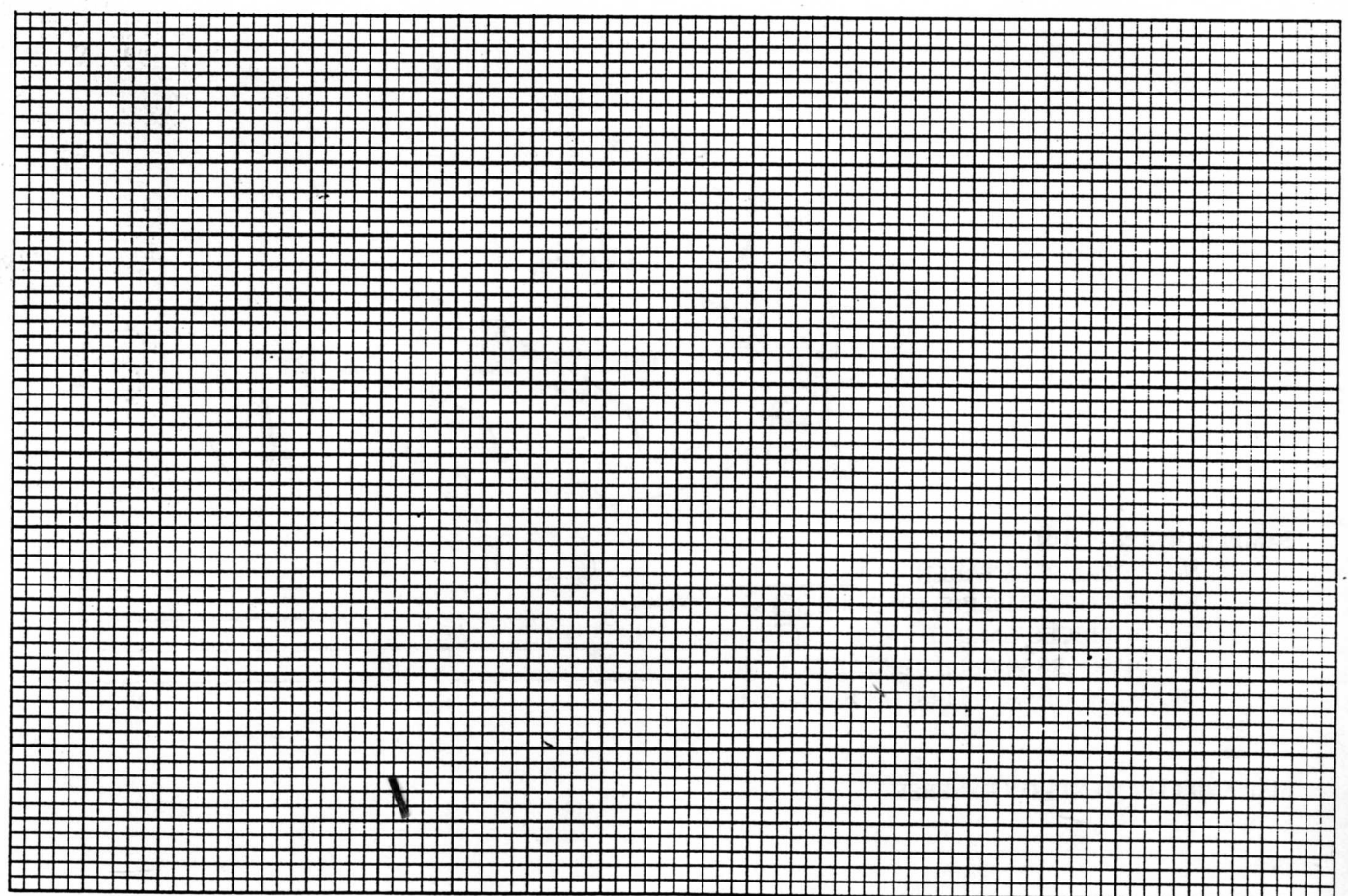
MAP AND COMMENTS ON REVERSE

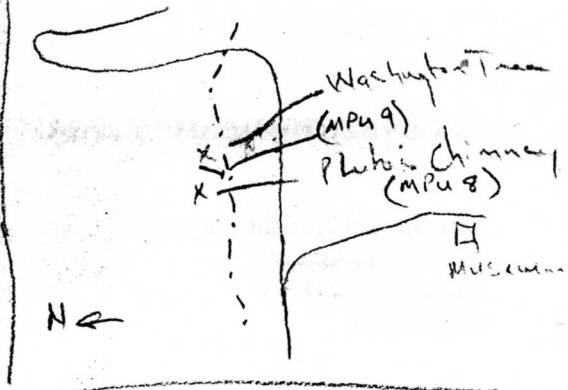
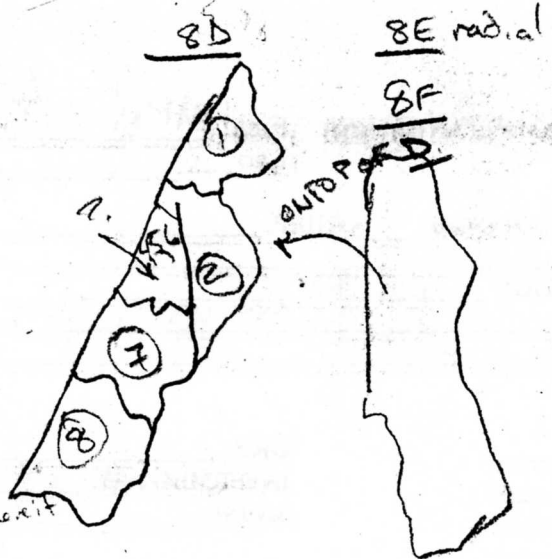


For location see MPU 6

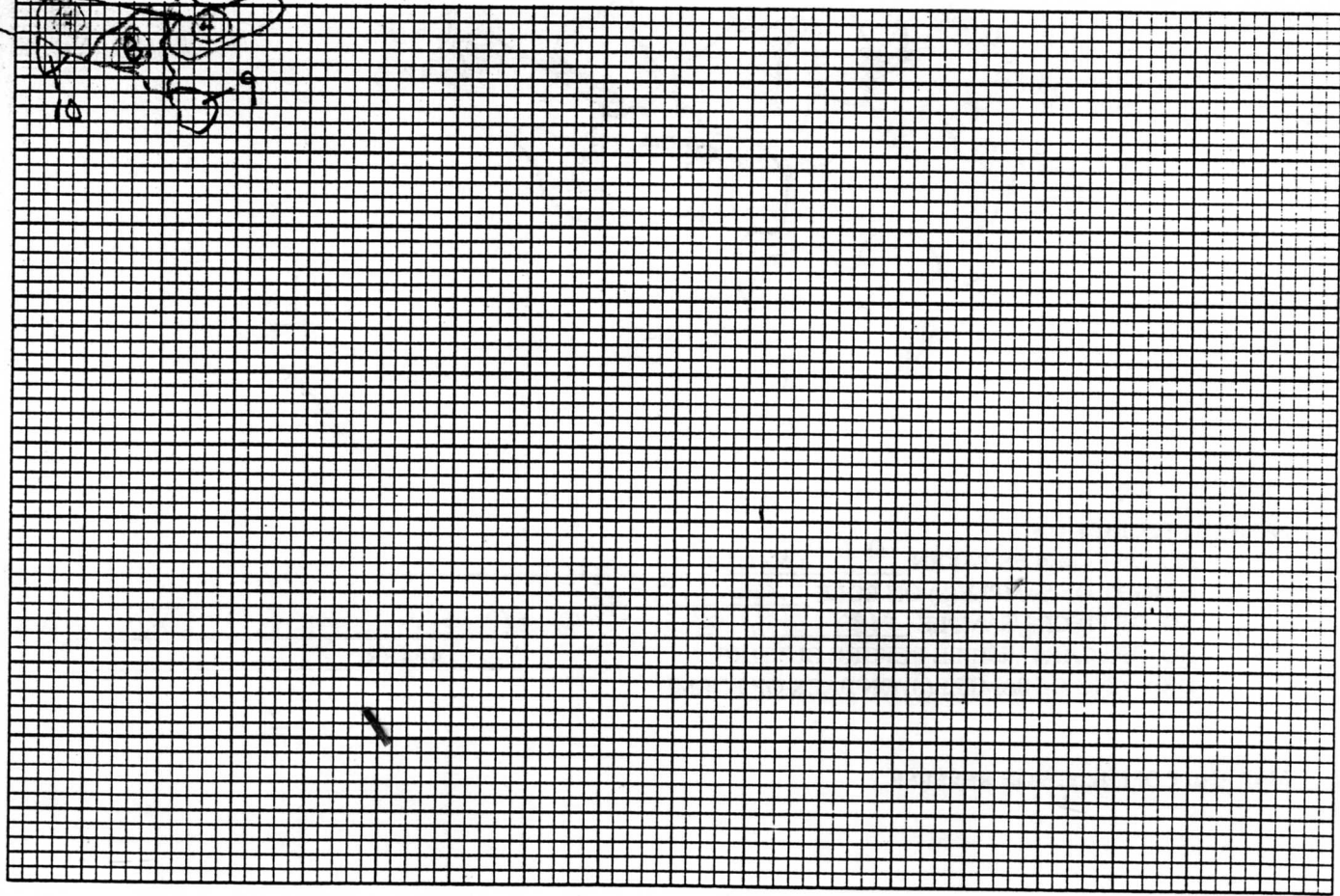
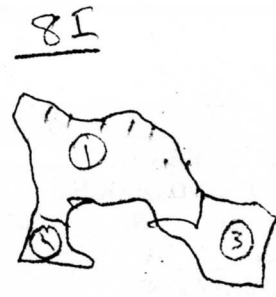
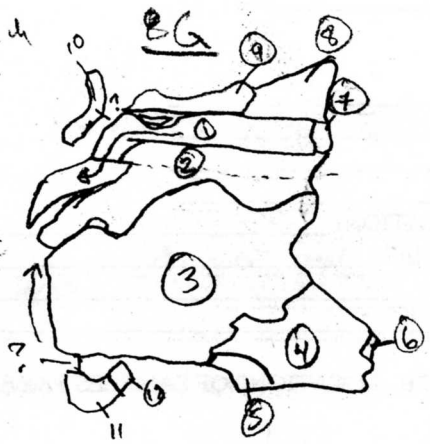
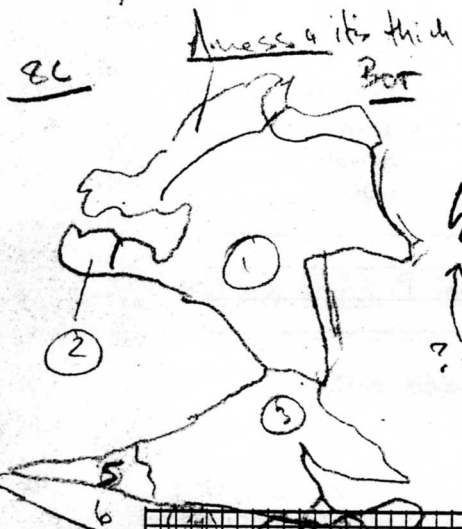


2 or 3 trees?
2 according to Chris

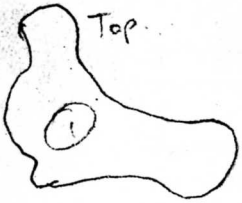




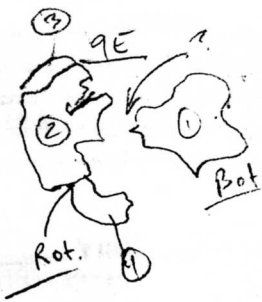
8H Radial



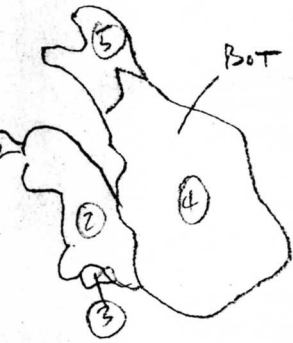
9A



9D medial



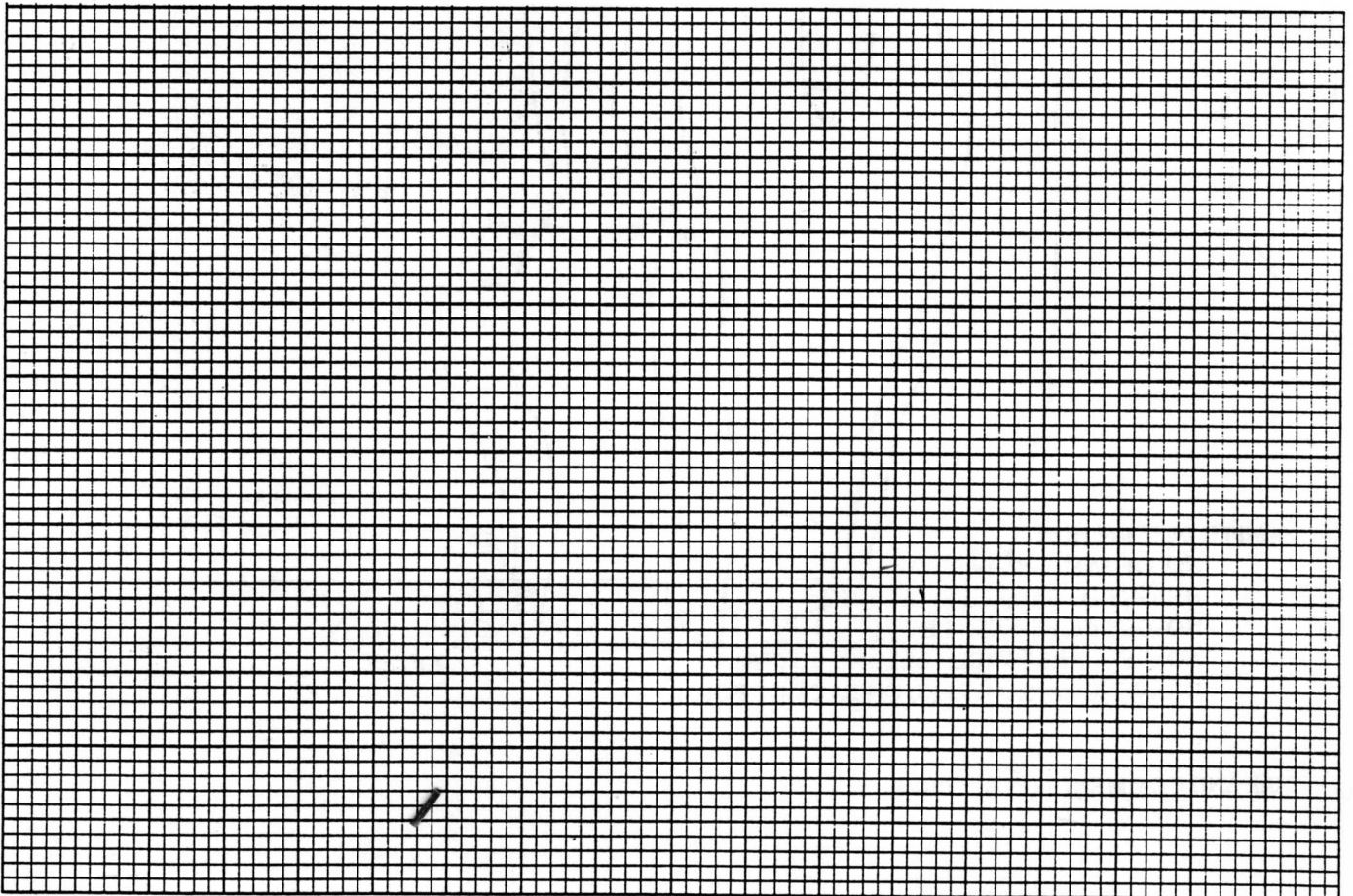
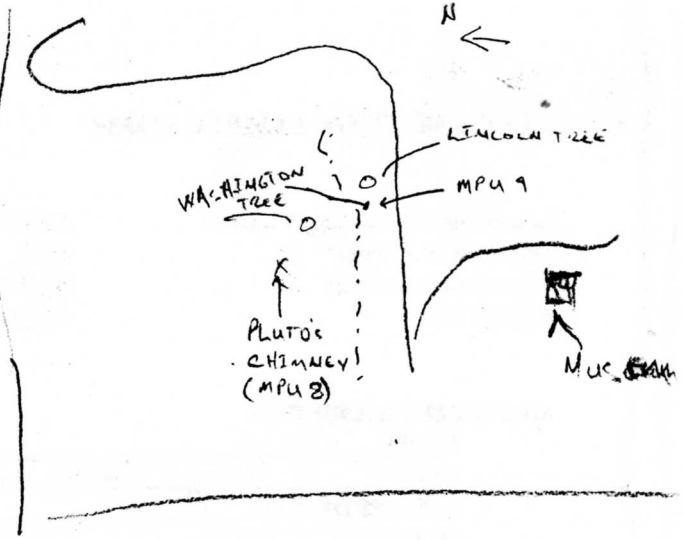
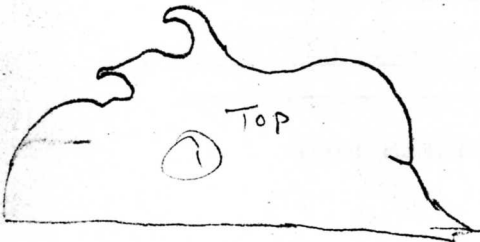
9B



9F



9C



CROSS SECTION SAMPLE FORM

SAMPLE NUMBER: Field MPU 10 (IOWA TREE)
Lab _____

Laboratory of Tree-Ring Research
University of Arizona
Tucson, Arizona 85721
602/621-2191

FIRE-SCAR FLOOD-SCAR _____ OTHER _____
SITE MARIPOSA UPPER
DATE OF COLLECTION 7/1/89
COLLECTOR(S) TWC, CHB, AC, JHS, TCS, RSP, PMB
PETER A KOEHLER

MICROSITE DESCRIPTION

SLOPE 2°
ASPECT SSW
SPECIES DENSITY HIGH

DRY _____
INTERMEDIATE _____
MOIST X (~ 10m up from
Wadiaw)

OTHER This tree and MPU 11412 are near
"mouth" of upper groove of Mariposa, just before drainage drops
off to lower part of groove.

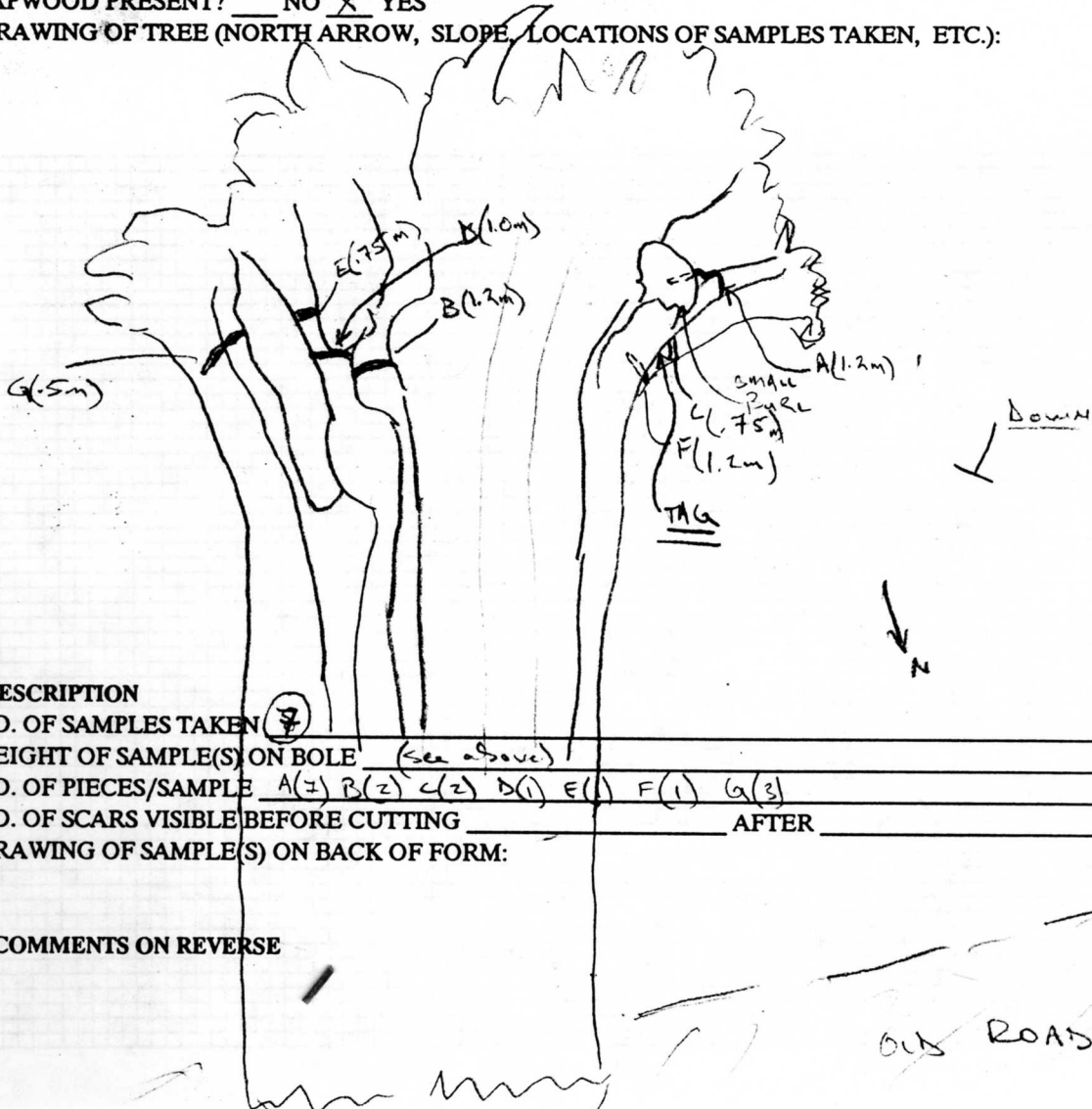
TREE DESCRIPTION

SPECIES SEGT
DIAMETER 6.0m HEIGHT 60.7m
CROWN DENSITY & HEIGHT _____
LEAN DIRECTION AND DEGREE _____

LIVING _____
SNAG _____
STUMP _____
LOG X

LABEL ATTACHED? NO X YES LOCATION? (see below for location)
PHOTOS TAKEN? NO X YES OF WHAT? WOOD, ETC. (TOMMY & BILL)
STATE OF PRESERVATION GOOD - BARK SAPWOOD PRESENT BUT LOOSE.
TREE FELL IN 1954.

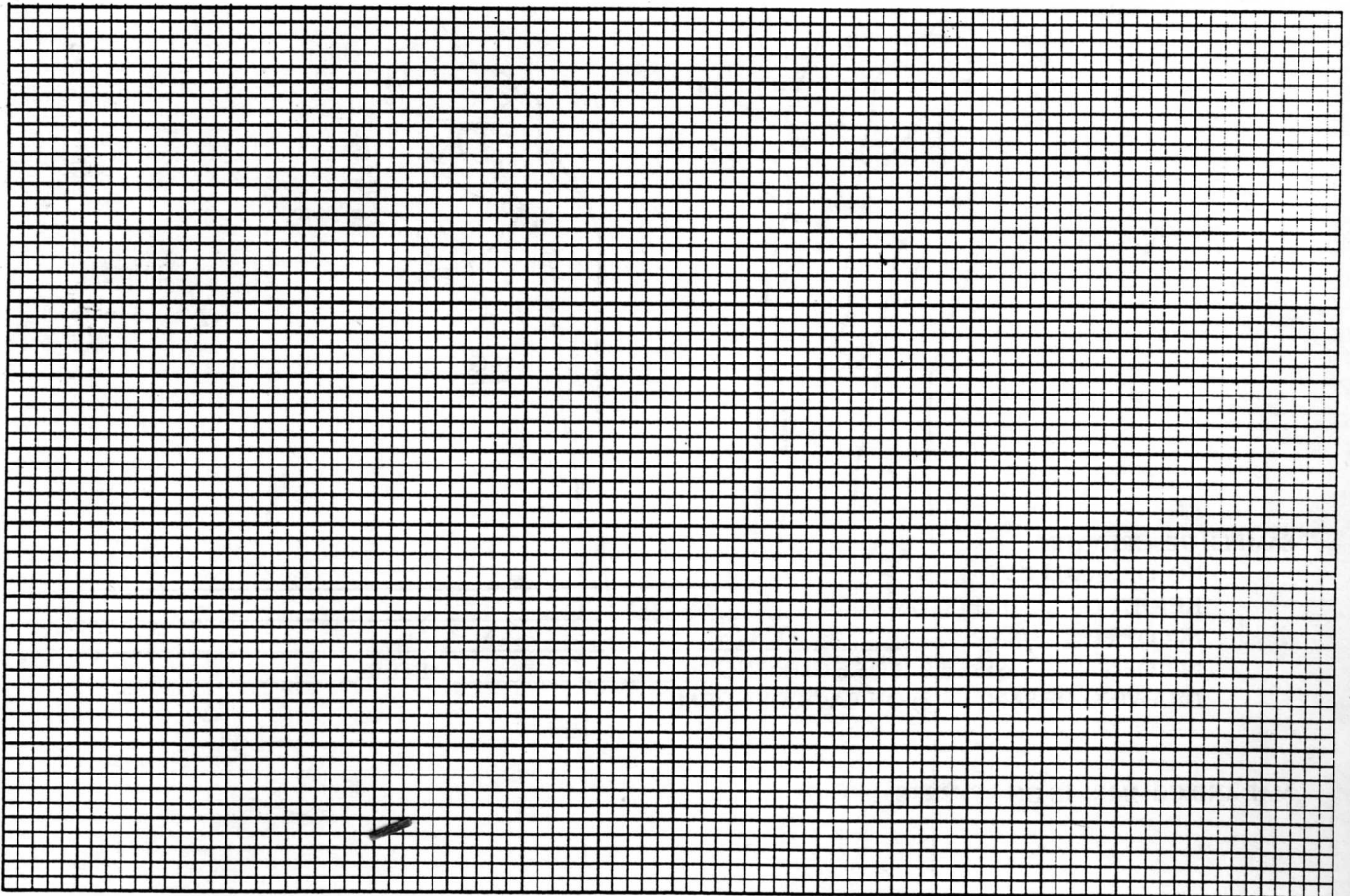
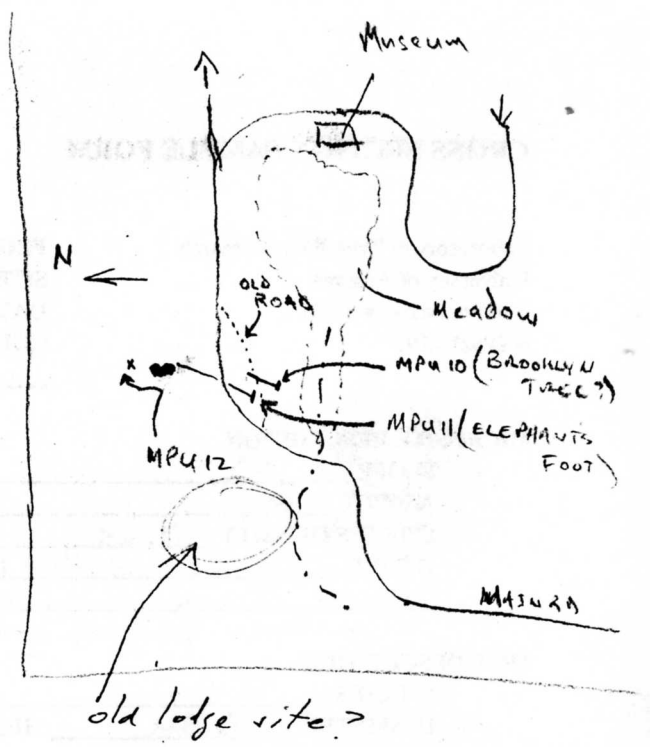
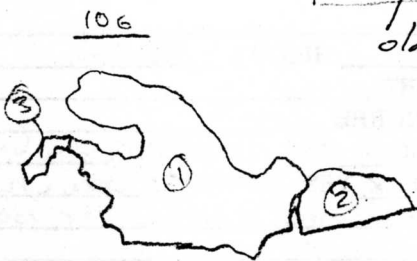
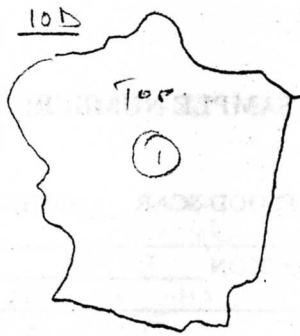
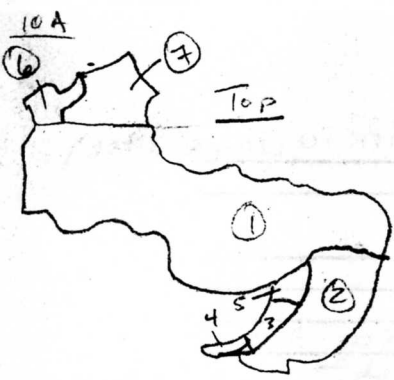
SAPWOOD PRESENT? NO X YES
DRAWING OF TREE (NORTH ARROW, SLOPE, LOCATIONS OF SAMPLES TAKEN, ETC.):



SAMPLE DESCRIPTION

NO. OF SAMPLES TAKEN 7
HEIGHT OF SAMPLE(S) ON BOLE (see above)
NO. OF PIECES/SAMPLE A(2) B(2) C(2) D(1) E(1) F(1) G(3)
NO. OF SCARS VISIBLE BEFORE CUTTING _____ AFTER _____
DRAWING OF SAMPLE(S) ON BACK OF FORM:

MAP AND COMMENTS ON REVERSE



CROSS SECTION SAMPLE FORM

SAMPLE NUMBER: Field MPU11 (ELEPHANT'S FOOT)
Lab _____

Laboratory of Tree-Ring Research
University of Arizona
Tucson, Arizona 85721
602/621-2191

FIRE-SCAR FLOOD-SCAR _____ OTHER _____
SITE MARIPOSA UPPER
DATE OF COLLECTION 7/1/89
COLLECTOR(S) TWC, CHS, ACE, JHS, TCS, BDP, PMS, PAK

MICROSITE DESCRIPTION

SLOPE 2°
ASPECT SSW
SPECIES DENSITY HIGH
OTHER see MPU10

DRY _____
INTERMEDIATE _____
MOIST x (meadow ~ 30m down slope)

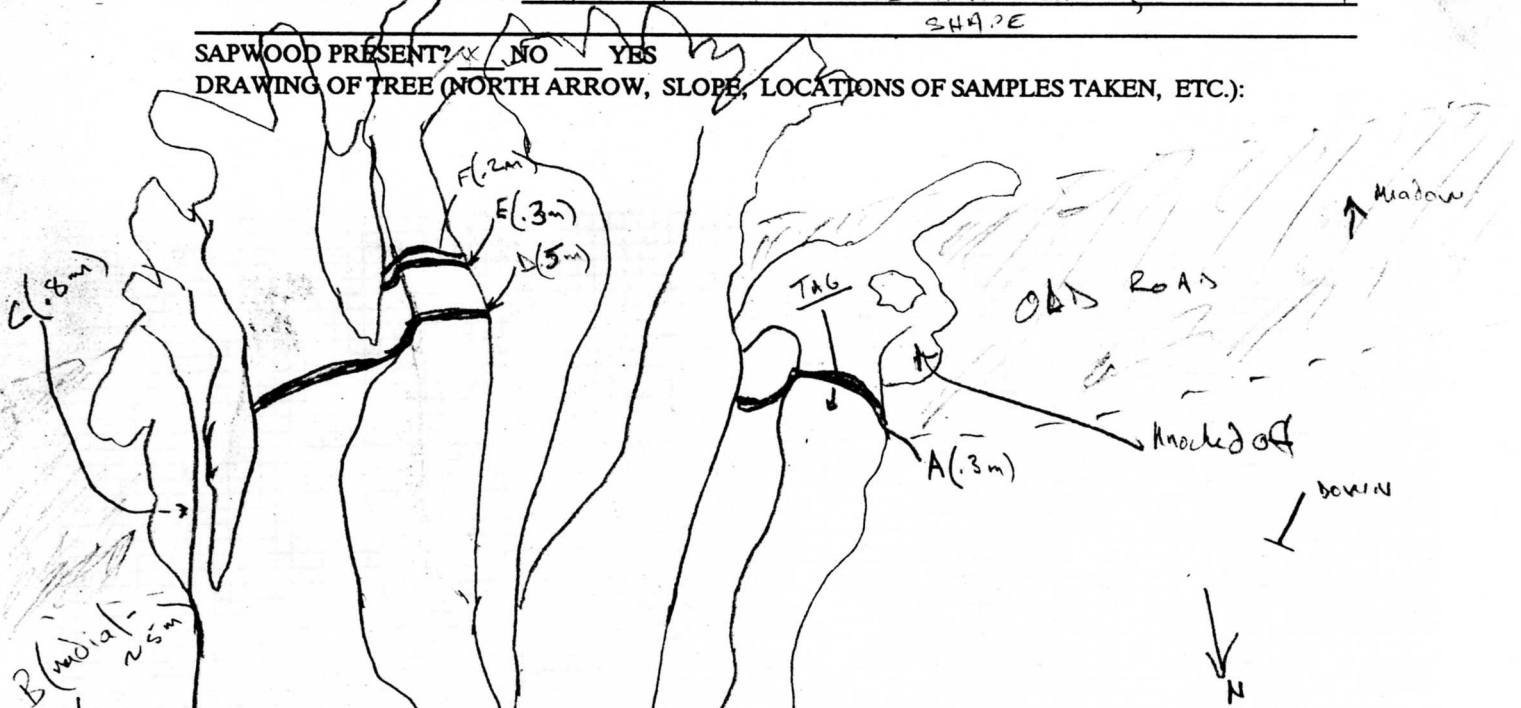
TREE DESCRIPTION

SPECIES SEGE
DIAMETER 3.4m HEIGHT 62m
CROWN DENSITY & HEIGHT _____
LEAN DIRECTION AND DEGREE _____
LABEL ATTACHED? NO YES LOCATION? ON CUT SURFACE ON LOG OF A (see below)
PHOTOS TAKEN? NO YES OF WHAT? (TWC + BESS)
STATE OF PRESERVATION HEAVILY ERODED - SOMEWHAT ROTTEN, PIECES IN BAD SHAPE

LIVING _____
SNAG _____
STUMP _____
LOG

SAPWOOD PRESENT? NO YES

DRAWING OF TREE (NORTH ARROW, SLOPE, LOCATIONS OF SAMPLES TAKEN, ETC.):

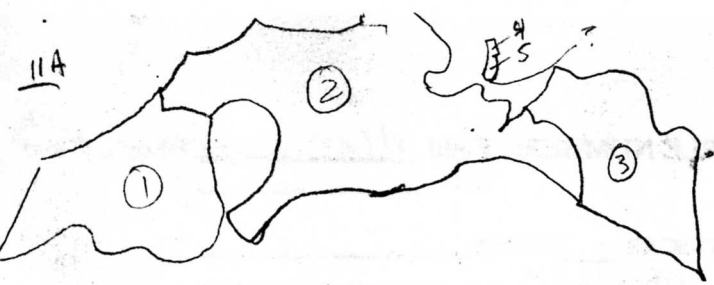


SAMPLE DESCRIPTION

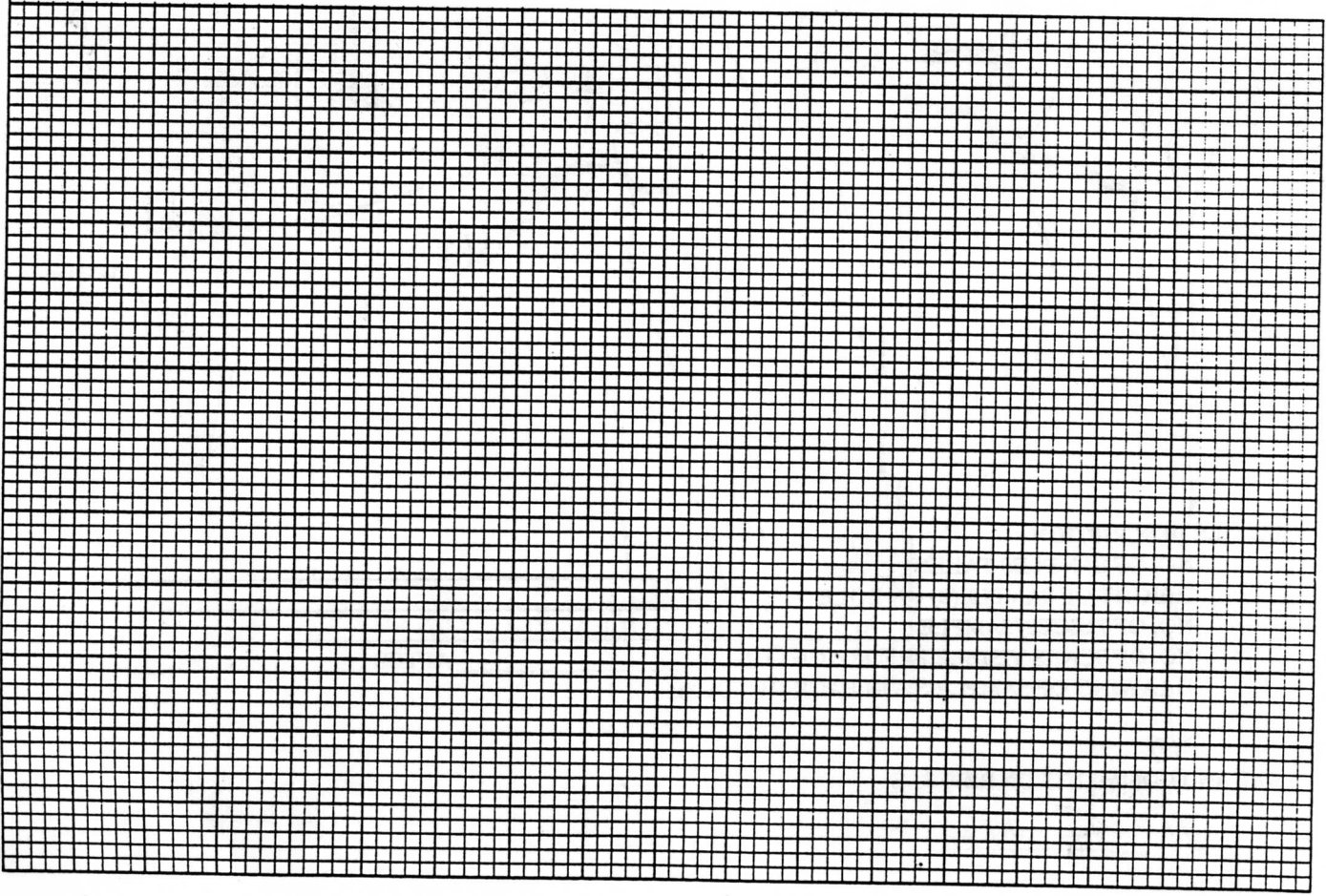
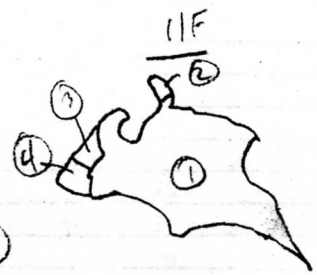
NO. OF SAMPLES TAKEN 6
HEIGHT OF SAMPLE(S) ON BOLE (see above)
NO. OF PIECES/SAMPLE A(5) B(3) C(4) D(6) E(1) F(4)
NO. OF SCARS VISIBLE BEFORE CUTTING _____ AFTER _____
DRAWING OF SAMPLE(S) ON BACK OF FORM:

MAP AND COMMENTS ON REVERSE

(MAP see MPU10)



II B radial
(3 pieces)
(+ 7± extra pieces)



CROSS SECTION SAMPLE FORM

SAMPLE NUMBER: Field MPu 12
Lab _____

Laboratory of Tree-Ring Research
University of Arizona
Tucson, Arizona 85721
602/621-2191

FIRE-SCAR FLOOD-SCAR _____ OTHER _____
SITE MACTPOSA UPPER
DATE OF COLLECTION 7/1/89
COLLECTOR(S) TWC, ACL, CHS, BDP, JHD, PAK, TCS (LIKE
HES REALLY HELPED...), PMR

MICROSITE DESCRIPTION

SLOPE 5°
ASPECT SW
SPECIES DENSITY HIGH
OTHER see MPu 10

DRY _____
INTERMEDIATE (25m above meadow)
MOIST _____

TREE DESCRIPTION

SPECIES SEGI
DIAMETER 2.2m HEIGHT 1.25m - 1.3m
CROWN DENSITY & HEIGHT _____
LEAN DIRECTION AND DEGREE _____

LIVING _____
SNAG _____
STUMP
LOG _____

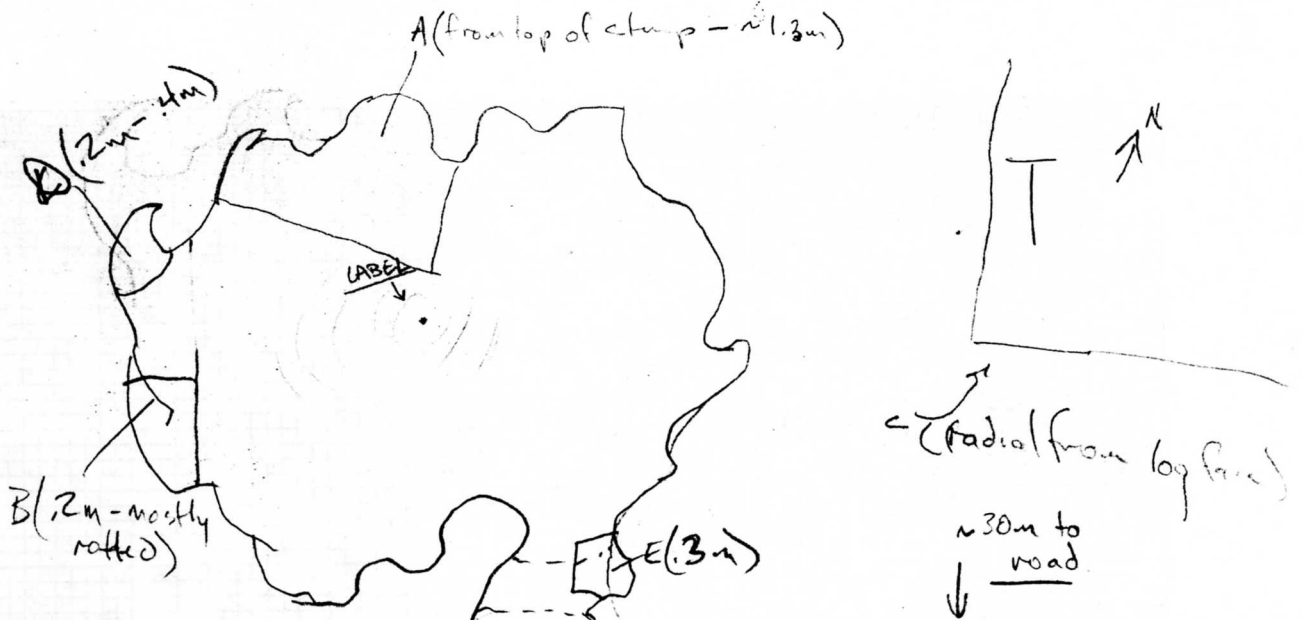
LABEL ATTACHED? NO YES LOCATION? (see below)

PHOTOS TAKEN? NO YES OF WHAT? _____

STATE OF PRESERVATION FAIR - SOME SAPWOOD LEFT BUT WEATHERED.
NO BURNING

SAPWOOD PRESENT? NO YES

DRAWING OF TREE (NORTH ARROW, SLOPE, LOCATIONS OF SAMPLES TAKEN, ETC.):



SAMPLE DESCRIPTION

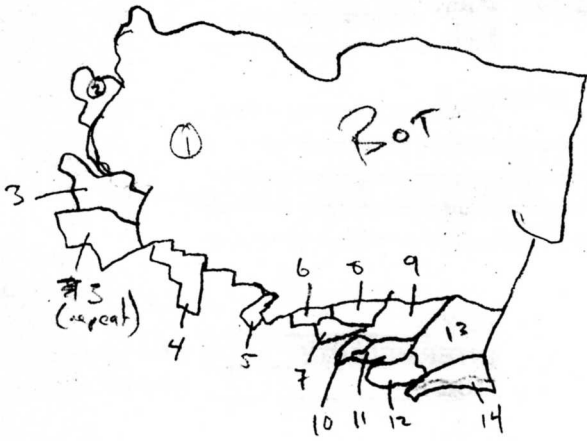
NO. OF SAMPLES TAKEN 5
HEIGHT OF SAMPLE(S) ON BOLE _____ (see above)
NO. OF PIECES/SAMPLE A(6+) B(4) C(4) D(1) E(? - NOT DRAWN)
NO. OF SCARS VISIBLE BEFORE CUTTING _____ AFTER _____

DRAWING OF SAMPLE(S) ON BACK OF FORM:

MAP AND COMMENTS ON REVERSE

(Map see MPu 10)

12A



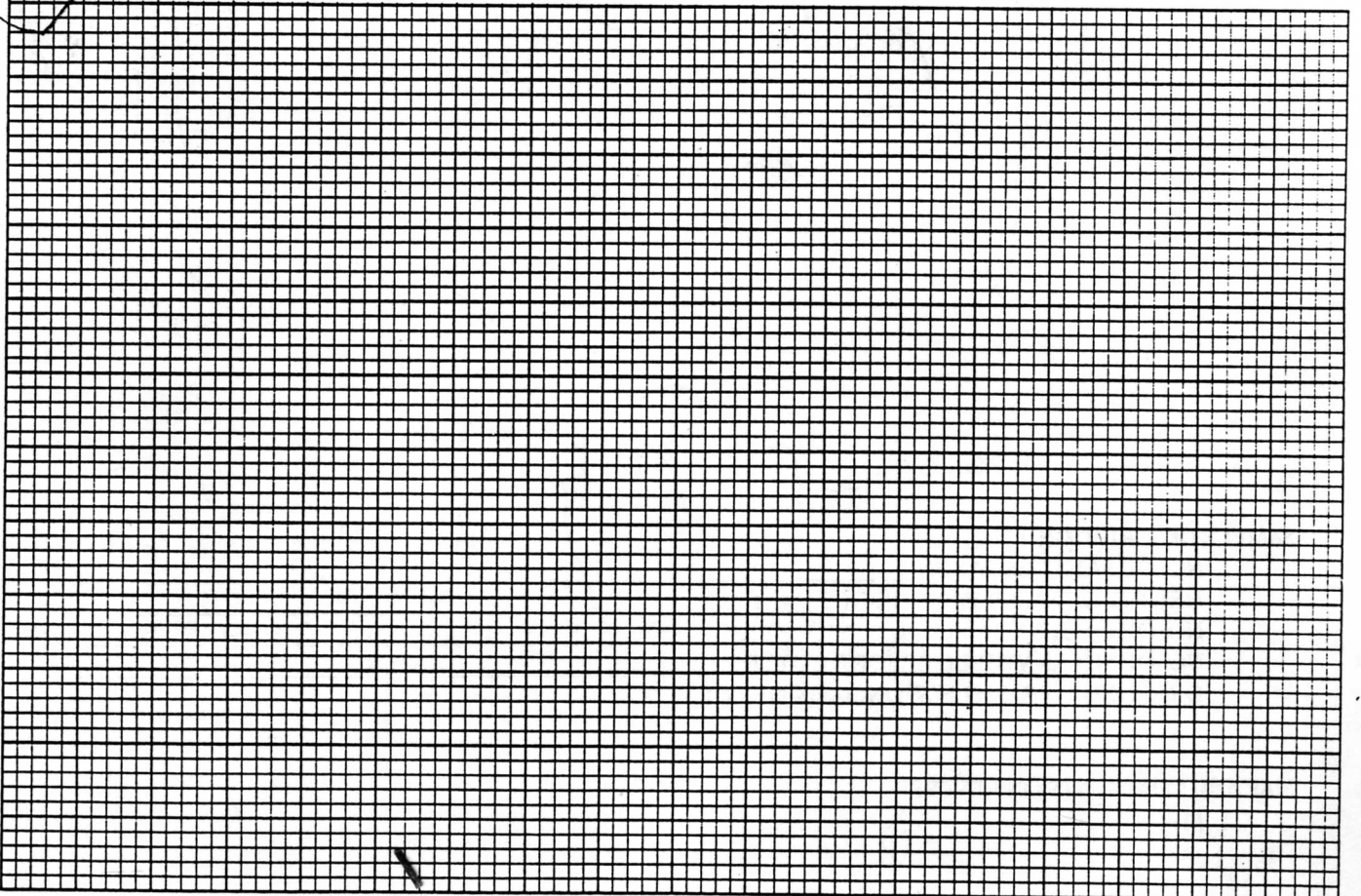
12E

NOT DRAWN

12C Radial - 4 pieces

12B

12D (+ extra = which)



50 60 70 80 90 800 10 20 30 40 50 60 70 80

50 60 70 80 90 800 10 20 30 40 50 60 70 80

20

20

20

20

MEUR

ME

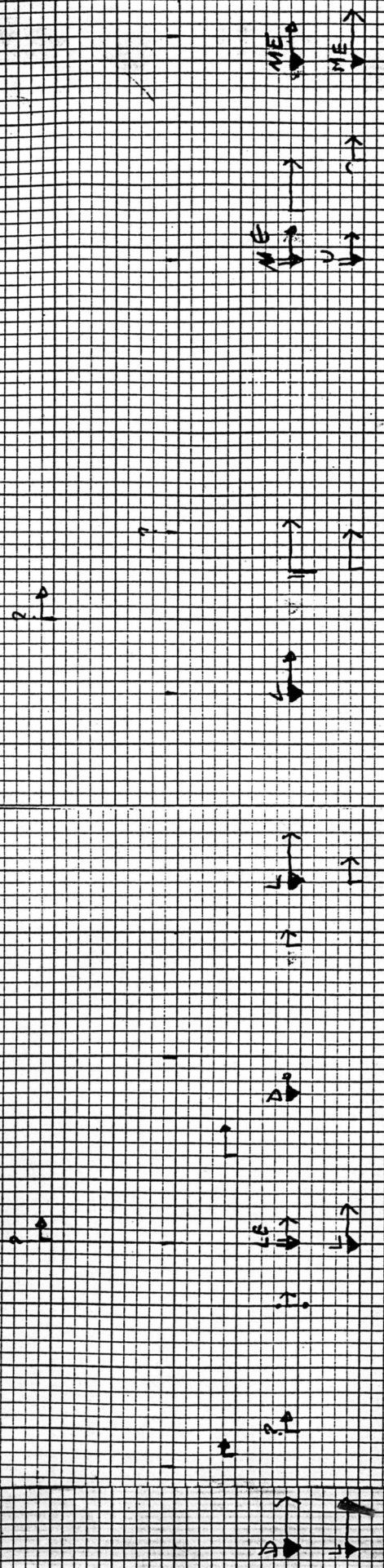
20

20



80 90 900 10 20 30 40 50 60 70 80 90 1000

80 90 900 10 20 30 40 50 60 70 80 90 1000

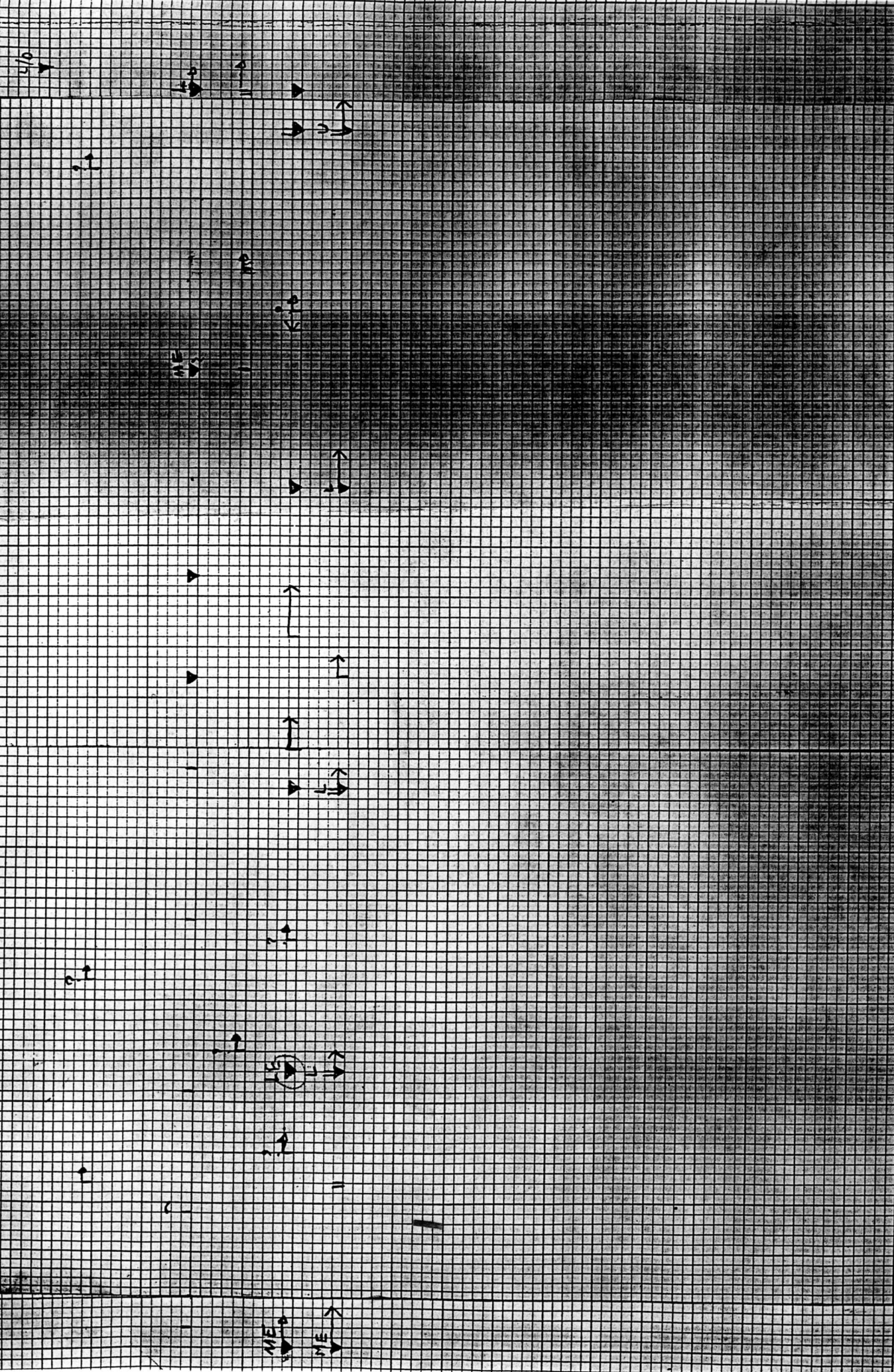


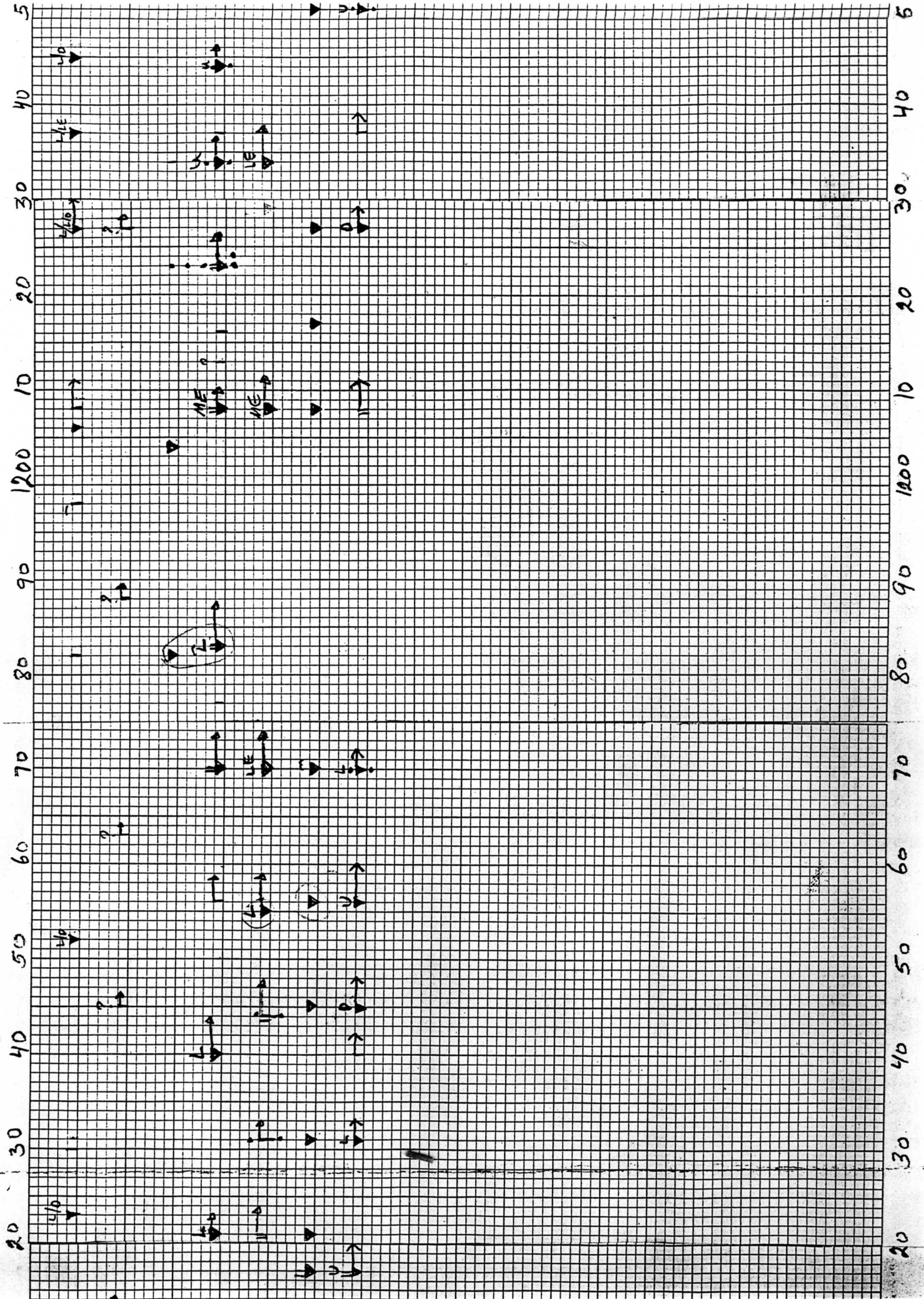
46 1610

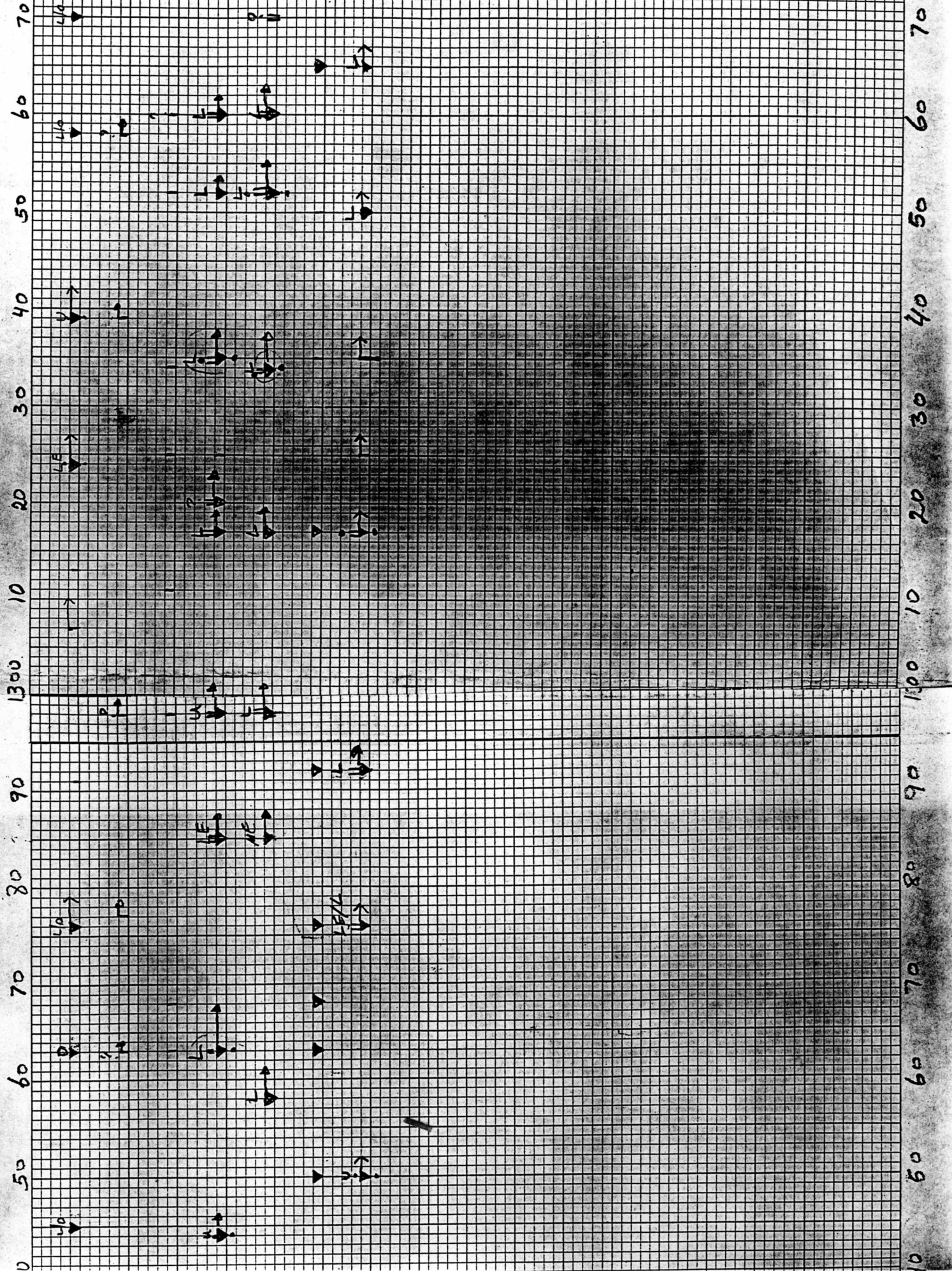
K&E 5 X 5 TO THE CENTIMETER 18 X 24 CM.
KEUFFEL & ESSER CO. MADE IN U.S.A.

1000 10 20 30 40 50 60 70 80 90 1100 10 20 30

1000 10 20 30 40 50 60 70 80 90 1100 10 20 30







80 90 100 10 20 30 40 50 60 70 80 90 100

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