

PZ 83
LITHIC INVENTORY

- Brian D. Ross

NOVEMBER, 1990

(# = pit total)

PIT "A" Level 1 - 1 flake
(25) $\frac{1}{2}$ quern fragment

Level 2 - 8 flakes
2 utilized flakes
2 obsidian blade fragments (SF #28+56)
 $\frac{1}{13}$ quern fragment

Level 3 - 4 flakes
 $\frac{1}{5}$ utilized flake

Level 4 - 4 flakes
 $\frac{1}{5}$ obsidian flake

PIT "B" Surface - 1 quern fragment
(8)

Level 1 - 1 utilized core
5 flakes
 $\frac{1}{7}$ "flint" blade

(2)

PIT "C"
(36)

- Level 1 - 1 core
- 1 utilized core
- 1 retouched core
- 8 flakes
- 1 utilized flake
- 1 retouched flake (scraper?)
- 1 unfinished drill (utilized flake)
- 1 graver (worn)
- 1 bifacially retouched blade frag. (SF #136)
- 1 stone loom weight (SF #133)
- 1 obsidian blade fragment (SF #134)
- 1 utilized obsidian blade frag. (SF #135)
- 1 obsidian flake (SF #137)
- 4 quern fragments
- 24

- Level 2 - 7 flakes
- 1 obsidian blade fragment
- 1 utilized obsidian flake (SF #138)
- 1 retouched blade fragment (SF #139)
- 10

- Level 3 - 1 flake
- 1 celt (SF #141)
- 2

(3)

PIT "D"

Surface - 1 flake

1 projectile point (SF # 171)

2

(6)

Level 1 - 3 utilized flakes

8 flakes

1 obsidian flake

1 projectile point (SF # 157)

1 bifacially retouched blade fragment (SF # 158)

1 ochre nodule (SF # 480)

2 grinding stones

2 flakes (flotation sample)

1 primary reduction flake (flotation sample)

1 obsidian blade fragment (flotation sample)

21

Level 2 - 3 flakes

1 utilized flake

1 bifacially retouched blade fragment (SF # 170)

5

Level 3 - 7 flakes

2 flakes (flotation sample)

5 secondary reduction flakes (flotation sample)

1 obsidian chip (flotation sample)

1 obsidian primary reduction flake (flotation s.)

16

Level 4 - 1 flake (flotation sample)

(D" cont'd)

Level 5 - 3 flakes

3 flakes (flotation sample)

1 obsidian blade frag. (flotation)

7

Level 6 - 3 flakes

1 retouched flake (spokeshave)

1 quern fragment

5

PIT "E"
(96)

Surface - 2 utilized flakes

Level 1 - 1 projectile point (SF #186)

Level 2 - ∅

Level 3 - 1 core

19 flakes

1 utilized flake

1 unifacial tool fragment (scraper)

1 graver

3 obsidian flakes

3 obsidian "blade" flakes (SF #208)

1 utilized obsidian flake

1 retouched obsidian core

1 obsidian blade fragment

2 utilized obsidian blades (SF #200 + 201)

9 utilized obsidian blade frag. 1/2 (SF #202-206 + 208)

2 ochre nodules (SF #480)

1 "chert" blade (SF #207)

("E"/Level 3 cont'd) $\frac{1}{47}$ saddle quern

Level 4 - 3 flakes

- 1 graver (exhausted)
- 1 bifacial obsidian blade frag. (SF #210)
- 1 stone chisel (SF #211)
- $\frac{1}{7}$ projectile point (SF #209)

Level 5 - 1 core

- 1 utilized flake (scraper/spokeshave)
- 14 flakes
- 2 retouched flakes
- 1 obsidian core
- 10 obsidian flakes
- 2 utilized obsidian blade frags. (#225)
- 4 obsidian blade fragments (SF #225)
- 1 projectile point (SF #223)
- 1 utilized "flint" blade (SF #224)
- 2 grindstone fragments
- $\frac{2}{39}$ "flint flakes" (MISSING)

PIT "F" Level 1 - 1 flake

- (9)
- 2 utilized flakes
- 1 utilized obsidian flake (SF #227)
- $\frac{1}{5}$ obsidian blade (SF #226)

("F" cont'd) Level 2 - 4 flakes

Pit "G" Surface/Level 1 - 1 core
 (7) 3 flakes
 1 utilized flake
 1 graver (scraper-combo)
1 grindstone
 7

PIT "H" Surface - 1 flake
 (9) 1 utilized flake
1 biface fragment (SF #243)
 3

Level 1 - 1 utilized flake
 1 utilized blade fragment (SF #253)
1 obsidian flake
 3

Level 2 - 1 flake
 1 utilized flake
1 retouched flake (scraper! graver?)
 3

Level 3 - \emptyset

Pit "I" Surface - 1 utilized flake
(123)

Level 1 - 1 core
13 flakes
1 utilized obsidian blade frag. (SF #258)
2 obsidian blade fragments (SF #258)
3 obsidian secondary reduction flakes (#259)
1 utilized "flint" blade (SF #260)
1 quern stone fragment
22

Level 2 - 1 scraper fragment
1 utilized obsidian flake
2 obsidian blade fragments (SF #263)
4

Level 3 - 16 flakes
1 utilized flake
1 graver
1 obsidian "chunk"
3 obsidian blade fragments (SF #265)
5 obsidian flakes (SF #266)
1 utilized "flint" blade frag. (SF #267)
28

Level 4 - 2 cores (pebble)
12 flakes
2 utilized flakes
1 obsidian chip
4 obsidian "micro" blades (SF #278)

(I" / Level 4 - cont'd) $\frac{1 \text{ projectile point (SF \# 277)}}{22}$

Level 5 - 2 cores

15 flakes

1 retouched flake

1 utilized flake

2 obsidian secondary reduction flakes

1 obsidian flake (SF # 280)

2 utilized obsidian blades (SF # 279)

1 utilized core

3 flakes (flotation sample)

28

Level 6 - 11 flakes

1 utilized flake

1 obsidian flake

1 obsidian blade fragment (SF # 291)

1 retouched "flint" blade (SF # 290)

1 guern stone fragment

16

Level 7 - 2 flakes

PIT "J" Surface - \emptyset

(4)

Level 1 - 4 flakes

PIT "K" - \emptyset

PIT "L" Surface — \emptyset
(25)

Level 1 — 1 utilized obsidian flake (SF #300)

Level 2 — 4 flakes

1 obsidian blade fragment (SF #308)
5

Level 3 — 3 flakes

Level 4 — 2 flakes

1 saddle quern
3

Level 5 — 1 "red painted flat stone"

4 flakes

1 retouched flake (curved scraper/spokeshave)
6

Level 6 — \emptyset

Level 7 — \emptyset

Level 8 — 1 utilized core

2 flakes

2 utilized flakes

1 retouched flake (punch/awl)

1 obsidian flake (SF #322)
7

PIT "M"
(60)

Level 1 - 1 core

7 flakes

1 retouched flake (curved scraper/spokeshave)

1 utilized "burnt flint" blade (SF # 324)

1 quern stone fragment

11

Level 2 - 11 flakes

1 abrader / what stone (?)

1 utilized "flint" blade fragment (# 330)

1 obsidian flake (SF # 332)

2 "flint" blade fragments (SF # 331)

16

Level 3 - 1 spalled stone ("burnt pebble")

3 flakes

1 "flint" flake (SF # 333)

5

Level 4 - 8 cores

13 flakes

1 graver ("hooked nose" variety)

1 obsidian flake

1 retouched obsidian blade (SF # 343)

1 obsidian blade fragment (SF # 343)

1 hammer stone

1 grinding stone

1 sandstone quern (18 fragments) (SF # 350)

28

PIT "N" — ∅

PIT "O" — ∅

PIT "P" — ∅

PIT "Q" — ∅

PIT "R" — ∅ (2" flint cores/flakes" - MISSING - Surface)

PIT "S" Surface — ∅

(2)

Level 1 — 1 utilized blade fragment

Level 2 — ∅

Level 3 — ∅

Level 4 — ∅

Level 5 — ∅

Level 6 — 1 secondary reduction flake

Level 7 — ∅

Level 8 — ∅

Level 9 — ∅

PIT "T" — \emptyset PIT "U" — \emptyset

PIT "V" Surface — 3 flakes

(80)

1 utilized obsidian flake (SF # 351)

4

Level 1 — 2 flakes

Level 2 — 3 cores

26 flakes

2 utilized flakes

2 obsidian flakes

1 drill (SF # 353)

1 "flint" blade flake (SF # 354)

1 bifacial blade fragment (SF # 352)

36

Level 3 — 3 cores

1 retouched core

13 flakes

1 retouched flake

1 utilized flake

1 graver (exhausted)

1 grinding stone

1 quern stone fragment (MISSING)

5 flakes (flotation sample)

26 (27)

("V" cont'd)

(13)

Level 4 - 7 flakes

1 utilized flake (graver/scrapper combo.)

1 utilized flake

3 grinding stones

12

(1)

PIT "W"

Surface - 1 retouched obsidian blade frag. (SF # 374)

PIT "X"

- ∅

PIT "Y"

- ∅

PIT "Z"

- ∅

PIT "9A"

- ∅

PIT "BB"

Surface - 2 flakes

(38)

Level 1 - 1 retouched core

15 flakes

3 utilized flakes

1 graver (tip missing)

1 utilized obsidian blade frag. (SF # 377)

1 "flint" blade fragment (SF # 378)

22

Level 2 - 1 core

5 flakes

1 retouched flake

2 utilized flakes

(14)
(BB" Level 2 - cont'd) 1 obsidian blade flake (SF # 385)
10

Level 3 - 1 flake
2 utilized flakes
3

Level 4 - 1 retouched "flint" flake (SF # 389)

Level 5 - \emptyset

PIT "CC" Surface - 2 flakes
(10)

Level 1 - 2 cores
3 flakes
2 utilized flakes
1 utilized obsidian flake
8

PIT "DD" Surface - \emptyset
(14)

Level 1 - \emptyset

Level 2 - 3 flakes (1 "burnt")

Level 3 - 1 grinding stone

Level 4 - 1 flake
1 obsidian blade flake (SF # 401)
2

(15)
("DD" cont'd) Level 5 - 2 flakes
1 retouched flake
 $\frac{2}{5}$ quern stone fragments

Level 6 - 2 flakes
 $\frac{1}{3}$ utilized flake

(there is no PIT "EE")

PIT "FF" — \emptyset

PIT "GG" Surface - 1 flake
(?)
 $\frac{1}{2}$ utilized flake

PIT "HH" Surface — \emptyset
(2)

Level 1 — \emptyset

Level 2 - 1 utilized flake (graves)
 $\frac{1}{2}$ retouched obsidian flake (SF #410)

Level 3 — \emptyset

Level 4 — \emptyset

PIT "II" — \emptyset

PIT "JJ" ⁽²³⁾ Level 1 - 1 flake ⁽¹⁶⁾
1 hammerstone
1 grinding stone
3

Level 2 - 1 flake
3 orange ochre nodules (SF # 480)
1 hammerstone
2 flakes (flotation sample)
7

Level 3 - 1 core
1 flake
1 retouched "flint" blade frag. (SF # 420)
1 graver (SF # 419)
1 flake (flotation sample)
5

Level 4 - 3 flakes

Level 5 - 1 core (exhausted)
2 flakes
2 quern stones
5

PIT "KK" - ∅

PIT "LL" ⁽¹⁹⁾ Level 1 - 1 utilized obsidian core
2 flakes
1 projectile point (SF # 429)

(LL" level 1 - cont'd)

(17)

$$\frac{1 \text{ net sinker}}{5}$$

Level 2 - 1 core (pebble)

2 flakes

1 obsidian flake

$$\frac{1 \text{ obsidian blade fragment (SF \# 433)}}{5}$$

Level 3 - 1 flake

Level 4 - 6 flakes

1 obsidian flake (SF # 441)

1 unidentified ground stone tool frag. (#442)

1 obsidian flake (MISSING)

$$8 (9)$$

Level 5 - \emptyset

PIT "MM" — \emptyset

PIT "NN" Level 1 - 1 cobble core (SF # 447)

(72) 4 flakes

$$\frac{1 \text{ obsidian blade (MISSING) (SF \# 445)}}{5 (6)}$$

Level 2 - 1 split cobble core

4 flakes

3 small grinding stones ("rubbers")

1 retouched flake (flotation sample)

$$9$$

(18)
("NW" cont'd) Level 3 - 3 flakes

1 retouched "flint" blade frag. (SF #454)

1 flake (flotation sample)

1 obsidian primary reduction flake (flot.)

1 obsidian flake (flotation sample)

2 primary reduction flakes (flotation s.)

9

Level 4 - 1 split stone (ecofact)

3 flakes

1 obsidian flake (flotation sample)

5

Level 5 - 2 flakes

1 retouched flake fragment

2 flakes (flotation sample)

1 primary reduction flake (flotation s.)

6

Level 6 - 1 utilized flake (flotation sample)

1 flake (flotation sample)

2

Level 7 - 1 flake

1 utilized flake (flotation sample)

1 obsidian blade fragment (flotation s.)

1 flake (flotation sample)

2 primary reduction flakes (flotation s.)

6

(NN cont'd) Level 8 - 7 flakes

- 1 water worn pebble (flotation s.)
- 3 flakes (flotation sample)
- 1 utilized flake (flotation sample)

- 12

Level 9 - 1 "flint" blade

- 1 retouched flake
- 1 small grinding stone ("rubber")
- 2 flakes (flotation sample)
- 1 primary reduction flake (flotation s.)

- 6

Level 10 - 4 flakes

- 2 utilized flakes
- 1 utilized flake (flotation sample)
- 1 obsidian secondary reduction flake (flot.)
- 1 obsidian flake (flotation sample)

- 9

Level 11 - 2 flakes

Level 12 - \emptyset

Level 13 - 1 utilized flake

PIT "OO" - \emptyset

PIT "PP" - \emptyset

PIT "QQ" - \emptyset

PIT "RR" - \emptyset

TEXAS

Date:

No.

Object:

Material:

Square:

Photograph:

Level:

Drawing:

Dimensions: L.,

H.,

W.,

Th.,

Technique:

Condition:

Description:

- didn't ident. stone material except where done so (+ as so) in invent. i.e. differentials bt. obsidian + all other material + for special finds notations (i.e. "flint" + "chert")
- did not specifically differentiate between blades + bladelets - except 1 instance of "micro" blades
- to qualify for UT, specimens had to have a continuous surface of obvious scarring/wear. One or 2 isolated spalls did not make the piece UT.
- generally didn't differentiate bt. cores vs. pebble cores.

PIT by TOOL TYPE

PIT	utilized core - cutting	utilized core - scraping	retouched core - spokeshave	retouched core - scraping	utilized flake - cutting	utilized flake - scraping	utilized flake - spokeshave	utilized flake - graver	utilized flake - cutlins / scraping	retouched flake - cutting / spokeshave	retouched flake - cutting	retouched flake - scraping	retouched flake - spokeshave	utilized blade - saw / punch	utilized blade - cut
A					1			2							
B	1														
C	1	1	1					1		1			1		
D					2	1					1				
E		1			2	1				1	1		13	1	
F					1	1									
G								1							
H					1	1				1			1		
I		1			2	1	2		1	1			3	1	
J															
K															
L	1				1	1						1	1		
M												1	1		1
N															
O															
P															
Q															
R															
S													1		
T															
U															
V					1	1	3	1		1					

re-scraping
 retouched blade-cutting/scraping
 retouched blade-cutting
 bifacial blades-cutting/scraping
 bifacial blade-cutting
 biface
 projectile point
 drill
 graver
 scraper
 grinding implements
 hammerstones
 ground stone tools
 other

													4	1	5	A
													1	1	2	B
1		1			1	1							2	4	16	C
		2		2									1	6	13	D
		1		3		2	1	3					16	10	35	E
													1	1	3	F
						1		1					2	1	3	G
				1									2	4	6	H
	1			1		1	1	2					4	6	20	I
													10	10	∅	J
													∅	∅	∅	K
													∅	∅	∅	L
								1					1	3	8	M
	1					1		3	1				1	2	10	N
													7	∅	∅	O
													∅	∅	∅	P
													∅	∅	∅	Q
													∅	∅	∅	R
													∅	∅	∅	S
													∅	∅	∅	T
													∅	∅	∅	U
													∅	∅	∅	V
		1				1	1	4					10	4	15	V

W																				
X																				
i																				
Z																				
AA																				
BB				1	2	3		1		1		1	1				1			
CC					1	1			1											
DD					1								1							
FF																				
GG					1															
HH								1					1							
II																				
JJ																				
KK																				
LL	1																			
MM																				
NN					2	3	1			1		2	1							
OO																				
PP																				
QQ																				
RR																				
TOTALS	1	2	1	1	1	5	11	2	4	1	2	1	5	5	1	1	18	4	∅	2
	1	1			1	13	7	4		1	3	1	1	2	2		1		∅	
	1	3	1	2	2	29	13	4	2	5	2	1	6	7	3	1	23	∅	2	

- local material
- exotic material (other than obsidian)

LITHIC INVENTORY BY GENERAL TYPE per PIT

LITHIC TYPE \ PIT	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
DETRITUS				1					2				1							
CORES			1		3		1		5				9							
CORE TOOLS		1	2		1				1			1								
DEBRITAGE	18	5	17	41	49	5	3	3	84	4		16	37							1
FLAKE TOOLS	3		3	5	7	3	1	4	8			5	1							
FORMAL TOOLS			2	2	6		1	1	3				1							
BLADES	2	1	2	2	9	1			12			1	3							
BLADE TOOLS			3	2	15			1	6				3							1
GROUND STONE TOOLS			1		1								1							
GRINDING IMPLEMENTS	2	1	4	3	3		1		2			1	3							
OTHER			1	1	2							1	1							
TOTAL	25	8	36	57	96	9	7	9	123	4	∅	25	60	∅	∅	∅	∅	∅	∅	2

- i) includes: chips, stones, pebble, ecofacts
- ii) cores that show signs of utilization or that have been retouched for use
- iii) unworked / unused flakes
- iv) flakes that have been used directly or retouched for use
- v) finished, identifiable tools (e.g. projectile points, graters, drills, etc.)
- vi) unused blades

U	V	W	X	Y	Z	AA	BB	CC	DD	FF	GG	HH	II	JJ	KK	LL	MM	NN	OO	PP	QQ	RR	TOTALS
																		2					6
	6						1	2						2		1		2					33
	1						1									1							9
	38						23	5	8		1			11		13		51					453
	7						9	3	2		1	2						10					74
	2						1							1		1							21
	1						2		1							1		2					40
	1	1					1							1				1					36
														2		1		1					6
	4								3					3				4					34
														3		1							10
∅	80	1	∅	∅	∅	∅	38	10	14	∅	2	2	∅	23	∅	19	∅	72	∅	∅	∅	∅	722

viii) blades that have either been used or retouched for use

ix) includes celts, chisels, hammerstones, etc

x) includes "grind stones", "grinding stones", querns, etc

xi) includes net sinkers, whetstones, ochre nodules, loom weight, etc.

LITHIC FUNCTIONS* by PIT

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	
Knapping	20	6	20	44	61	6	4	3	103	4		17	50							1	
Cutting			5	4	19	1		3	9			2	1							1	
Cutting/scraping combo	2		2		1		1		1				2								
Scraping	1	1	3	2	3	2		3	2			2									
scraping/spoke shaving Combo																					
spoke shaving				1	1				3			1	1								
Cutting/spokeshaving combo									1												
punching												1									
drilling																					
graving			1		2		1		1				1								
hammering													1								
grinding	2	1	4	3	3		1		2			1	3								
TOTALS	25	8	35	54	90	9	7	9	122	4	∅	24	59	∅	∅	∅	∅	∅	∅	2	∅

does not include:

- projectile points
- celts, chisels + other ground stone tools
- net sinker
- loom weight
- abrader
- ochre

U	V	W	X	Y	Z	AA	BB	CC	DD	EE	GG	HH	II	JJ	KK	LL	MM	NN	OO	PP	QQ	RR	TOTALS
	65						26	7	9		1			13		15		57					532
	5						8	2	1		1			1		1		8					72
		1						1	1														12
	3						1					1						2					26
							1											1					2
							1																8
																							1
																							1
	1																						1 (true drill)
	2						1					1		1									11
														2									3
	4								3					3		1		4					34
∅	80	1	∅	∅	∅	∅	38	10	14	∅	2	2	∅	20	∅	17	∅	72	∅	∅	∅	∅	703

Site and Number: 8283/PIT "A"/Level 2 Date: Nov. 12, 1990

Location of Collection: Metaponto Ex-BANCA

Artifact #: _____ Photo: _____

Type: utilized (UT) flake (combo-cutting/scraping)

Material: local-dark green (chert) Length (mm): 26.1 Width: 32.4

Thickness 5.2 Basal Width: / Neck Width: /

Stem Length: / Notch Width: / Notch Depth: /

Bit Width: / Bit Depth: /

^{UT} Retouched Edges: Left: _____ Right: Distal: Proximal: _____

^{UT} Retouched Edge Length: L. _____; R: 22; D: 20.8; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Right edge is for cutting. Distal edge has a scraping angle. Both used surfaces are visible on dorsal side (left edge on ventral side shows feathering)

Site and Number: 8283/PIT "A"/Level 2 Date: Nov. 12, 1990

Location of Collection: Metaponto Ex-BANCA

Artifact #: _____ Photo: _____

Type: utilized (UT) flake (scraping)

Material: exotic-banded grey (chert) Length (mm): 34.5 Width: 27.4

Thickness 13 Basal Width: / Neck Width: /

Stem Length: / Notch Width: / Notch Depth: /

Bit Width: / Bit Depth: /

^{UT} Retouched Edges: Left: _____ Right: _____ Distal: Proximal: _____

^{UT} Retouched Edge Length: L. _____; R: _____; D: 12.4; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Scraping angle. Utilization visible on ventral side.

Site and Number: P283/PIT "HH"/Level 2 Date: Nov. 16, 1990Location of Collection: Metaponto MuseumArtifact #: SF 410 Photo: _____Type: retouched flake (scraping)Material: exotic-obsidian Length (mm): 13.1 Width: 9.6Thickness 1.8 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: _____ Right: Distal: _____ Proximal: _____Retouched Edge Length: L. _____; R: 8.9; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Only the right edge has been used. It has been retouched to form a scraping edge. The scars are visible on dorsal side.* * * Site and Number: P283/PIT "JJ"/Level 3 Date: Nov. 16, 1990 * * *Location of Collection: Metaponto MuseumArtifact #: SF 419 Photo: _____Type: GRAVERMaterial: exotic-dark grey (chert) Length (mm): > 26.7 ^{shoulder} Width: 15.5Thickness 3.7 Basal Width: ? Neck Width: 13Stem Length: > 17 ^{spur} Notch Width: 4.4 / 5.7 ^{spur} Notch Depth: 2.5 / 6.2^{Beak} Bit Width: 5.2 ^{Beak} Bit Depth: 5.7Retouched Edges: Left: Right: Distal: ? Proximal:

Retouched Edge Length: L. _____; R: _____; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Beautiful specimen - extensively bifacially retouched on all surface. Distal end shattered. no basal measurements possible or full length. Scooped trapezoidal cross-section. Bi plano in longitudinal profile.

Site and Number: P283/PIT "JJ" / Level 3 Date: Nov. 16, 1990Location of Collection: Metaponto Museum.Artifact #: SF 420 Photo: _____Type: retouched BLADE fragment (cutting)Material: exotic-creamy (chert) Length (mm): > 24.2 Width: 17.2Thickness 4.2 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: Right: Distal: _____ Proximal: _____Retouched Edge Length: L. ^{UT} 23.2; R: 21; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Both edges have been used for cutting. The right is the most extensively retouched as evident on dorsal side. Some flakes have been removed from both edges on ventral side. Platform prep. obvious on proximal/ventral edge. Scooped triangle x-sect. Indeterminate length profile.

Site and Number: P283/PIT "LL" / Level 1 Date: Nov. 16, 1990Location of Collection: Metaponto Museum.Artifact #: SF 429 Photo: _____Type: projectile pointMaterial: exotic-pinky (chalcedony) Length (mm): 33 Width: > 12.5Thickness 3.7 Basal Width: 2.3 Neck Width: 8Stem Length: 5.9 Notch Width: _____ Notch Depth: 3.3 ^{right}

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: Right: Distal: _____ Proximal: _____Retouched Edge Length: L. > 23.7; R: 28.2; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Needle tip. Straight triangular blade form. Pointed base. Convexo-triangular cross-section. Plano-convex longitudinal profile. Left tang is missing. incomplete measurements.

Site and Number: PZ83/PIT "LL"/Level 4 Date: Nov. 16, 1990

Location of Collection: Meta ponto Museum

Artifact #: SF 442 Photo: _____

Type: unidentified ground stone^{tool} fragment (poll end)

Material: local - unknown Length (mm): ? Width: 54.3

Thickness 21.3 BIT Basal Width: ? BIT THICK. Neck Width: ?

Stem Length: POLL Notch Width: 49.6 POLL THICK Notch-Depth: 16.9

Bit Width: Bit Depth:

Retouched Edges: Left: _____ Right: _____ Distal: _____ Proximal: _____

Retouched Edge Length: L. _____; R: _____; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: In plan-view, body appears to be plano-convex in outline. In longitudinal profile it is asymmetrically bi-convex in outline. In cross-section it is thickly bi-convex. No battering of poll yet bit broken off - could infer hafting. Spalling is NOT intentional.

Site and Number: PZ83/PIT "NN"/Level 1 Date: NOV-16, 1990

Location of Collection: Meta ponto Museum

Artifact #: SF 447 Photo: _____

Type: cobble core

Material: local - green (chert) Length (mm): 135.7 Width: 81.6

Thickness 46.3 Basal Width: Neck Width:

Stem Length: Notch Width: Notch Depth:

Bit Width: Bit Depth:

Retouched Edges: Left: ~~_____~~ Right: ~~_____~~ Distal: _____ Proximal: _____

Retouched Edge Length: L. ~~_____~~; R: ~~_____~~; D: _____; P: _____

Retouched Edge Thick: L. ~~_____~~; R: ~~_____~~; D: _____; P: _____

Retouched Edge Angle: L. ~~_____~~; R: ~~_____~~; D: _____; P: _____

Comments: Natural platform is evident on this large raw material core from which numerous flakes have been removed.

Site and Number: PZ83/PIT "NN"/Level 3 Date: Nov. 16, 1990

Location of Collection: Metaponto Museum

Artifact #: SF 454 Photo: _____

Type: retouched BLADE fragment (cutting)

Material: exotic-tuffe (chert) Length (mm): > 60 Width: 18.9

Thickness 3.9 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: Right: Distal: _____ Proximal: _____

Retouched Edge Length: L. 32.9; R: 51; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Large retouch flakes off left dorsal edge @ proximal end. Smaller retouch flakes are also seen along right edge especially on distal 1/2 on dorsal side. Scanned trapezoid X-section Bi plane longitudinal profile.

FLOTATION SAMPLE

Site and Number: PZ83/PIT "NN"/Level 10 Date: Nov. 18, 1990

Location of Collection: Meta-ponto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (UT) flake (cutting)

Material: exotic-tuffe (chert) Length (mm): 14.1 Width: 20.2

Thickness 4.9 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

^{UT} Retouched Edges: Left: Right: Distal: _____ Proximal: _____

^{UT} Retouched Edge Length: L. 14.5; R: 14.2; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Cutting use wear for both sides obvious on dorsal side.

FLOTATION SAMPLE

Site and Number: P283/PIT "NN"/Level 2 Date: Nov. 18, 1990Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: retouched flake (cutting)Material: exotic-pink (chert) Length (mm): 18.9 Width: 11Thickness 2.2 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: _____ Right: Distal: _____ Proximal: _____Retouched Edge Length: L. _____; R: 19; D: _____; P: _____Retouched Edge Thick: L. _____; R: 0.9; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Retouch obvious on ventral side. May have been done to produce a serrated cutting edge.

FLOTATION SAMPLE

Site and Number: P283/PIT "NN"/Level 6 Date: Nov. 18, 1990Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (UT) flake (cutting)Material: local-green (chert) Length (mm): 18.1 Width: 18Thickness 3.7 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: ^{UT} Left: _____ Right: Distal: _____ Proximal: _____Retouched Edge Length: ^{UT} L. _____; R: 9.6; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Natural "feathering" has been utilized for a serrated cutting edge. Best viewed ventrally, this edge may extend slightly onto distal edge.

FLOTATION SAMPLE

Site and Number: P283/PIT "NN"/Level 7 Date: Nov. 18, 1990

Location of Collection: Metaponto Ex-banca.

Artifact #: _____ Photo: _____

Type: utilized (UT) flake (cutting)

Material: local-green (chert) Length (mm): 19.4 Width: 26.3

Thickness 5.1 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: _____ Right: Distal: _____ Proximal: _____

Retouched Edge Length: L. _____; R: 21.4; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Very lightly used for cutting, wear scars can be seen on dorsal side.

FLOTATION SAMPLE

Site and Number: P283/PIT "NN"/Level 8 Date: Nov. 18, 1990

Location of Collection: Metaponto Ex-banca.

Artifact #: _____ Photo: _____

Type: utilized (UT) flake (cutting)

Material: exotic-green (chalcobony) Length (mm): 12.5 Width: 9.2

Thickness 2.5 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: Right: Distal: _____ Proximal: _____

Retouched Edge Length: L. 10.7; R: 11.7; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Cutting wear on both edges most visible on dorsal side.

Site and Number: PZ83/PIT "I" / Level 5 Date: Nov. 15, 1990

Location of Collection: Metaponto Museum

Artifact #: SF 279 (ii) Photo: _____

Type: utilized (UT) BLADE fragment (cutting)

Material: exotic - obsidian Length (mm): > 13.7 Width: 10.9

Thickness 2.2 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

^{UT} Retouched Edges: Left: Right: Distal: _____ Proximal: _____

^{UT} Retouched Edge Length: L. 11.5 ; R: 13.7 ; D: _____ ; P: _____

Retouched Edge Thick: L. _____ ; R: _____ ; D: _____ ; P: _____

Retouched Edge Angle: L. _____ ; R: _____ ; D: _____ ; P: _____

Comments: Both edges have been used for cutting. Both are bifacially obvious. Proximal end missing. Scooped trapezoid in x-section, it is not possible to identify longitudinal form.

Site and Number: PZ83/PIT "I" / Level 6 Date: Nov. 15, 1990

Location of Collection: Metaponto Museum

Artifact #: SF 290 Photo: _____

Type: retouched BLADE (cutting / scraping)

Material: exotic - creamy (chalcidony) Length (mm): 19.1 Width: 7.3

Thickness 2.4 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: Right: Distal: Proximal: _____

Retouched Edge Length: L. 18.6 ; R: 18 ; D: 7.9 ; P: _____

Retouched Edge Thick: L. _____ ; R: _____ ; D: _____ ; P: _____

Retouched Edge Angle: L. _____ ; R: _____ ; D: _____ ; P: _____

Comments: Left cutting edge is principally visible on dorsal side only. Right cutting edge though occurs bifacially. The distal end has been retouched to form steep scraping edge. Scooped triangular cross-section + asymmetrically biconvex in longitudinal section.

Site and Number: PZ83/PIT "L" / Level 1 Date: Nov. 15, 1990

Location of Collection: Metaponto Museum

Artifact #: SF 300 Photo: _____

Type: utilized flake (cutting)

Material: exotic-obsidian Length (mm): 10 Width: 11

Thickness 2.3 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: _____ Right: Distal: _____ Proximal: _____

Retouched Edge Length: L. _____; R: 5.3; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: A simple, short cutting edge distally visible on dorsal side.

Site and Number: PZ83/PIT "M" / Level 1 Date: Nov. 15, 1990

Location of Collection: Metaponto Museum

Artifact #: SF 324 Photo: _____

Type: utilized BLADE (cutting/scraping)

Material: exotic-pinky (chert) Length (mm): 36.6 Width: 9.5

Thickness 4.3 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: Right: Distal: _____ Proximal: _____

Retouched Edge Length: L. 12; R: 26.5; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Left edge occurs proximally & is visible on dorsal side It constitutes a scraping edge. Right edge is for cutting & is more extensive. Asymmetrical triangle in cross-section & asymmetrically concavo-convex in longitudinal form. The piece is complete but has been exposed to high heat.

Site and Number: P283/PIT "M" / Level 2 Date: Nov. 15, 1990Location of Collection: Metaponto MuseumArtifact #: SF 330

Photo: _____

Type: utilized (UT) BLADE fragment (cutting)Material: exotic - peach (chalcidony) Length (mm): > 34 Width: 10Thickness 3.5 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: Right: Distal: _____ Proximal: _____Retouched Edge Length: L. > 26.6; R: > 31; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Both utilized edges would have been longer when the specimen was complete. Both are for cutting & both are visible bifacially. The piece is scraped triangular in cross-section & asymmetrically concavo-convex in longitudinal profile. The distal end is missing.

Site and Number: P283/PIT "M" / Level 4 Date: Nov. 15, 1990Location of Collection: Metaponto MuseumArtifact #: SF 343 (i)

Photo: _____

Type: retouched BLADE (cutting/scraping)Material: exotic - obsidian Length (mm): 19.4 Width: 9.2Thickness 2.6 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: Right: Distal: _____ Proximal: _____Retouched Edge Length: L. 16.3; R: 9.4 / 9.2; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Left edge only sparingly used for cutting. The right edge is in 2 parts - proximally as a utilized cutting edge & distally as a retouched scraping edge. Trapezoidal in x-section & concavo-convex in longitudinal profile. Distal end ends with a hinge fracture.

Site and Number: P283/PIT "V" / Surface Date: Nov. 16, 1990Location of Collection: Metaponto MuseumArtifact #: SF 351 Photo: _____Type: utilized (4T) flake (cutting)Material: exotic - obsidian Length (mm): 18.4 Width: 14.8Thickness 3.1 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: Right: Distal: Proximal: _____Retouched Edge Length: L. 8.1 ; R: 12.4 ; D: 13 ; P: _____

Retouched Edge Thick: L. _____ ; R: _____ ; D: _____ ; P: _____

Retouched Edge Angle: L. _____ ; R: _____ ; D: _____ ; P: _____

Comments: All are cutting edges & all are visible on dorsal side.
Only right edge is continuous though it melds with the
distal edge to form even a longer work edge.

Site and Number: P283/PIT "V" / Level 2 Date: Nov. 16, 1990Location of Collection: Metaponto MuseumArtifact #: SF 352 Photo: _____Type: BIFACIAL BLADE fragment. (cutting)Material: exotic - grey (chert) Length (mm): > 68.1 Width: 21.7Thickness 7.1 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: Right: Distal: _____ Proximal: _____Retouched Edge Length: L. > 63 ; R: > 58.2 ; D: _____ ; P: _____Retouched Edge Thick: L. 3.7 ; R: 2.8 ; D: _____ ; P: _____

Retouched Edge Angle: L. _____ ; R: _____ ; D: _____ ; P: _____

Comments: Both cutting edges display their retouching best on the
ventral side. In fact, only left edge has been retouched on dorsal
side. Both heavily used. Scooped triangular X-section & concavo-
convex longitudinal profile.

* * * * *

Site and Number: P283/PIT "V" / Level 2 Date: Nov. 16, 1990Location of Collection: Metaponto MuseumArtifact #: SF 353

Photo: _____

Type: DRILLMaterial: exotic - toffee (chert) Length (mm): 35.4 Width: 19.5Thickness 7.2 Basal Width: 6.5 Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: 7.2 Bit Depth: 18.7Retouched Edges: Left: Right: Distal: _____ Proximal: _____

Retouched Edge Length: L. _____; R: _____; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Beautiful example. Bifacially worked, all edges.Bit has slight twist. Edges of bit show strong use & tip shows signs of grinding/polishing.Site and Number: P283/PIT "W" / Surface Date: Nov. 16, 1990Location of Collection: Metaponto MuseumArtifact #: SF 374

Photo: _____

Type: retouched BLADE Fragment (cutting/scraping)Material: exotic - obsidian Length (mm): > 11.7 Width: 9.4Thickness 2.1 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: Right: Distal: _____ Proximal: _____Retouched Edge Length: L. 9.3; R: 7.2 UT; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: The right edge has only lightly been used for cutting & its wear scars are visible dorsally. The left has been purposefully retouched for scraping. Its flaking is seen on the ventral side. Asymmetrical trapezoid x-section. Indeterminate longitudinal

Site and Number: PZ83/PIT "BB" /level 1 Date: Nov. 16, 1990Location of Collection: Metaponto MuseumArtifact #: SF 377

Photo: _____

Type: utilized BLADE Fragment (cutting)Material: exotic - obsidian Length (mm): > 15.6 Width: 8.4Thickness 3 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: ^{UT} Right: Distal: _____ Proximal: _____Retouched Edge Length: L. ^{UT} 12.3; R: 11.2; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Standard cutting implement whose wear scars are visible bifacially. Triangular cross-section & perhaps a concavo-convex longitudinal profile (though fragmentary evidence is only suggestive.)

Site and Number: PZ83/PIT "BB" /level 4 Date: Nov. 16, 1990Location of Collection: Metaponto MuseumArtifact #: SF 389

Photo: _____

Type: retouched flake (cutting)Material: local - black (slate) Length (mm): 28.8 Width: 45.1Thickness 5.5 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: Right: _____ Distal: Proximal: _____Retouched Edge Length: L. 28.9; R: _____; D: ^{UT} 38.7; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: The retouching along left side is visible on dorsal side & would have been used for cutting. The adjacent distal edge has also been utilized for cutting.

Site and Number: P289/PIT "E" / Level 5 Date: Nov. 15, 1990Location of Collection: Metapano MuseumArtifact #: SF 225 (i) Photo: _____Type: utilized BLADE fragment (cutting)Material: exotic-obsidian Length (mm): > 14.2 Width: 9Thickness 2.9 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

^{4T} Retouched Edges: Left: _____ Right: Distal: _____ Proximal: _____^{4T} Retouched Edge Length: L. _____; R: 13.8; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Right edge has scarcely been used for cuttingThe piece is asymmetrically trapezoidal in cross-section & tending to concavo-convex longitudinal section.Site and Number: P283/PIT "E" / Level 5 Date: Nov. 15, 1990Location of Collection: Metapano MuseumArtifact #: SF 225 (ii) Photo: _____Type: utilized BLADE fragment (cutting)Material: exotic-obsidian Length (mm): > 14.1 Width: 7.5Thickness 1.8 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

^{4T} Retouched Edges: Left: Right: Distal: _____ Proximal: _____^{4T} Retouched Edge Length: L. 6.8; R: 13.7; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Both edges used for cutting, but right one more so (visible on dorsal side). Slightly asymmetrical trapezoid in cross-section, there is not enough of the piece to get a good longitudinal section identification.

Site and Number: P283/PIT "F" / Level 1 Date: Nov. 15, 1990Location of Collection: Metaponto MuseumArtifact #: SF 227

Photo: _____

Type: utilized flake (scraping)Material: exotic-obsidian Length (mm): 17.9 Width: 12.1Thickness 2.9

Basal Width: _____

Neck Width: _____

Stem Length: _____

Notch Width: _____

Notch Depth: _____

Bit Width: _____

Bit Depth: _____

Retouched Edges: ^{UT} Left: _____Right:

Distal: _____

Proximal: _____

Retouched Edge Length: ^{UT} L. _____R: 10.5

D: _____

P: _____

Retouched Edge Thick: L. _____

R: _____

D: _____

P: _____

Retouched Edge Angle: L. _____

R: _____

D: _____

P: _____

Comments: The distal end of the right edge, as viewed from the dorsal side, shows signs of having been used for scraping.Site and Number: P283/PIT "H" / Surface Date: Nov. 15, 1990Location of Collection: Metaponto MuseumArtifact #: SF 243

Photo: _____

Type: BIFACE Fragment (cutting)Material: exotic-creamy (chert) Length (mm): > 24.4 Width: 12.7Thickness 3.4

Basal Width: _____

Neck Width: _____

Stem Length: _____

Notch Width: _____

Notch Depth: _____

Bit Width: _____

Bit Depth: _____

Retouched Edges: Left: Right:

Distal: _____

Proximal: _____

Retouched Edge Length: L. > 24.9R: > 24.1

D: _____

P: _____

Retouched Edge Thick: L. _____

R: _____

D: _____

P: _____

Retouched Edge Angle: L. _____

R: _____

D: _____

P: _____

Comments: This is merely the tip of some larger tool (perhaps a projectile point or knife blade). It is asymmetrically biconvex in cross-section & tapers towards same re: longitudinal section. What is extant suggests acuminate tip form & straight blade.

Site and Number: P283 / PIT "H" / Level 1 Date: Nov. 15, 1990Location of Collection: Metaponto MuseumArtifact #: SF 253 Photo: _____Type: utilized BLADE fragment (cutting)Material: exotic - toffee (chert) Length (mm): > 12.8 Width: 7.5Thickness 2 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: ^{UT} Right: _____ Distal: _____ Proximal: _____Retouched Edge Length: L. ^{UT} 11.1 ; R: _____ ; D: _____ ; P: _____

Retouched Edge Thick: L. _____ ; R: _____ ; D: _____ ; P: _____

Retouched Edge Angle: L. _____ ; R: _____ ; D: _____ ; P: _____

Comments: Only the left edge has been used (for cutting) & the wear is most visible dorsally. Cross-section is scooped trapezoid, but not enough of a specimen to identify longitudinal form.

Site and Number: P283 / PIT "I" / Level Date: Nov. 15, 1990Location of Collection: Metaponto MuseumArtifact #: SF 258 (i) Photo: _____Type: utilized Blade fragment (cutting)Material: exotic - obsidian Length (mm): > 13 Width: 7.1Thickness 1.7 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: ^{UT} Right: Distal: _____ Proximal: _____Retouched Edge Length: L. ^{UT} 11.3 ; R: 6.5 ; D: _____ ; P: _____

Retouched Edge Thick: L. _____ ; R: _____ ; D: _____ ; P: _____

Retouched Edge Angle: L. _____ ; R: _____ ; D: _____ ; P: _____

Comments: Left cutting edge is visible both dorsally & ventrally, & is more or less continuous for full length. The right cutting edge is localized distally & can readily be seen dorsally. Scooped triangular x-section there is not enough to identify longitudinal form.

Site and Number: P283/PIT "I"/Level 1 Date: Nov. 15, 1990Location of Collection: Metaponto MuseumArtifact #: SF 260 Photo: _____Type: utilized (UT) BLADE (cutting)Material: local - black (slate) Length (mm): 53 Width: 19.7Thickness 7.4 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: ^{UT} Right: Distal: _____ Proximal: _____Retouched Edge Length: L. ^{UT} 13.7 ; R: 18 ; D: _____ ; P: _____

Retouched Edge Thick: L. _____ ; R: _____ ; D: _____ ; P: _____

Retouched Edge Angle: L. _____ ; R: _____ ; D: _____ ; P: _____

Comments: Both edges are for cutting & both are only isolated along their respective edges & visible on dorsal side Blade is complete, being scooped triangular in x-section & asymmetrically excurvate in longitudinal section.

Site and Number: P283/PIT "I"/Level 3 Date: Nov 15, 1990Location of Collection: Metaponto MuseumArtifact #: SF 267 Photo: _____Type: utilized BLADE fragment (cutting)Material: exotic - pink (chert) Length (mm): > 21.5 Width: 16.4Thickness 5.7 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: ^{UT} _____ Right: Distal: _____ Proximal: _____Retouched Edge Length: L. ^{UT} _____ ; R: 21.5 ; D: _____ ; P: _____

Retouched Edge Thick: L. _____ ; R: _____ ; D: _____ ; P: _____

Retouched Edge Angle: L. _____ ; R: _____ ; D: _____ ; P: _____

Comments: Cutting edge @ right is bifacially worn. Piece is asymmetrically trapezoidal in cross-section, but longitudinal section is unidentifiable.

LITHIC ARTIFACT RECORD FORM

Site and Number: P283/PIT "I" / Level 4 Date: Nov. 15, 1990Location of Collection: Metaponto MuseumArtifact #: SF 277 Photo: _____Type: projectile pointMaterial: exotic - white (chert) Length (mm): > 20.8 Width: 15.2Thickness 3.9 Basal Width: Neck Width: 7Stem Length: > 4.7 Notch Width: Notch Depth: 3.8/3.7Bit Width: Bit Depth: Retouched Edges: Left: Right: Distal: _____ Proximal: _____

Retouched Edge Length: L. _____; R: _____; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Very similar to point "SF 223". This one has an acute tip form a triangular, slightly excurvate blade form + a pointed stem. It is asymmetrically bi-triangular in x-section + concavo-convex in longitudinal section. Both blade tip + basal tip are missing.

Site and Number: P283/PIT "I" / Level 5 Date: Nov. 15, 1990Location of Collection: Metaponto MuseumArtifact #: SF 279 (i) Photo: _____Type: utilized BLADE fragment (cutting)Material: exotic - obsidian Length (mm): > 26.3 Width: 8.9Thickness 2.7 Basal Width: Neck Width: Stem Length: Notch Width: Notch Depth: Bit Width: Bit Depth: Retouched Edges: Left: Right: Distal: _____ Proximal: _____Retouched Edge Length: L. 7.6; R: 24.2; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Both are cutting edges, but the right one has been utilized more extensively. Both are evident on the dorsal side. The specimen is scooped triangular in X-section + asymmetrically ovate in longitudinal form.

Site and Number: PZ83/PIT "5" / Level 1 Date: Nov. 13, 1990

Location of Collection: Metapanto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (UT) blade fragment (cutting)

Material: exotic - white (chert) Length (mm): 12 Width: 5.9

Thickness 1.7 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

^{UT} Retouched Edges: Left: Right: Distal: _____ Proximal: _____

^{UT} Retouched Edge Length: L. 12 ; R. 9.6 ; D: _____ ; P: _____

Retouched Edge Thick: L. _____ ; R: _____ ; D: _____ ; P: _____

Retouched Edge Angle: L. _____ ; R: _____ ; D: _____ ; P: _____

Comments: Both edges were used for cutting + the use scars are visible on both ventral + dorsal sides. This use is continuous along both extant edges of the specimen

Site and Number: PZ83/PIT "V" / Level 2 Date: Nov. 14, 1990

Location of Collection: Metapanto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (UT) flake (scraping)

Material: local - green (chert) Length (mm): 41.9 Width: 23.1

Thickness 12.3 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

^{UT} Retouched Edges: Left: Right: _____ Distal: _____ Proximal: _____

^{UT} Retouched Edge Length: L. 6.2 ; R: _____ ; D: _____ ; P: _____

Retouched Edge Thick: L. _____ ; R: _____ ; D: _____ ; P: _____

Retouched Edge Angle: L. _____ ; R: _____ ; D: _____ ; P: _____

Comments: Scraping edge occurs distally on dorsal side by area of new breakage. (i.e. original wear edge may have been longer). Cortex attached to dorsal side

Site and Number: PZ83/PIT "V"/Level 2 Date: Nov. 14, 1990

Location of Collection: Metaponto

Artifact #: _____ Photo: _____

Type: utilized (UT) flake (scraping)

Material: local-red (jasper) Length (mm): 20.9 Width: 12.6

Thickness 5.1 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: _____ Right: Distal: _____ Proximal: _____

Retouched Edge Length: L. _____; R: 8.4; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Scraping edge wear is obvious on ventral side at distal end. Small amount of cortex attached to lower left dorsal surface.

Site and Number: PZ83/PIT "V"/Level 3 Date: Nov. 16, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (UT) flake (cutting)

Material: local-red (jasper) Length (mm): 18.2 Width: 12.9

Thickness 3.2 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: Right: _____ Distal: _____ Proximal: _____

Retouched Edge Length: L. 1.5; R: _____; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Cutting use wear along right edge, proximal half, visible on dorsal side. Platform preparation obvious @ proximal end.

Site and Number: P283/PIT "V"/Level 3 Date: Nov. 16, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: retouched core (cutting)

Material: local-green (chert) Length (mm): 35.1 Width: 22.4

Thickness 12.3 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: Right: _____ Distal: _____ Proximal: _____

Retouched Edge Length: L. 21.3 ; R: _____ ; D: _____ ; P: _____

Retouched Edge Thick: L. 2 ; R: _____ ; D: _____ ; P: _____

Retouched Edge Angle: L. _____ ; R: _____ ; D: _____ ; P: _____

Comments: Retouching is visible primarily @ proximal end of left side (14.3 mm) + carries on slightly down the side (7 mm) visible on dorsal side.

Site and Number: P283/PIT "V" Level 3 Date: NOV 16, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: retouched flake (cutting)

Material: exotic-pink banded ^(chert) Length (mm): 32.8 Width: 23.2

Thickness 7.5 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: Right: _____ Distal: _____ Proximal: _____

Retouched Edge Length: L. 7.8 ; R: _____ ; D: _____ ; P: _____

Retouched Edge Thick: L. 1.7 ; R: _____ ; D: _____ ; P: _____

Retouched Edge Angle: L. _____ ; R: _____ ; D: _____ ; P: _____

Comments: Visible on ventral side, small area of retouch along left edge like for cutting use. This is a pebble tool with most of its mass being cortex.

X

Site and Number: PZ83 / PIT "V" / Level 3 Date: Nov. 16, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: graver (exhausted)

Material: local-green (agate) Length (mm): 22.8 Width: 26.1

Thickness 7 Basal Width: / Neck Width: -

Stem Length: / Notch Width: / Notch Depth: -

Beak Bit Width: 7.7 Beak Bit Depth: 2.5

Retouched Edges: Left: _____ Right: Distal: Proximal: _____

Retouched Edge Length: L. _____; R: 22.6; D: 9.7; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: The right edge of this tool occurs in 2 parts. The bit/shoulder is worked on dorsal side for 6.4mm + then on ventral side for additional 16.2. Distal edge worked only on dorsal side. So extensively used that beak is a mere nub.

X

Site and Number: PZ83 / PIT "V" / Level 4 Date: Nov. 16, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized flake (graver/scrapper combo)

Material: exotic-white (chert) Length (mm): 22.7 Width: 18.7

Thickness 8.1 Basal Width: / Neck Width: -

Stem Length: / Notch Width: / Notch Depth: -

Bit Width: / Bit Depth: /

Retouched Edges: Left: Right: _____ Distal: Proximal: _____

Retouched Edge Length: L. 4.6; R: _____; D: 7.7; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: The corner created by these 2 edges has been used as a graver (the wear along the left edge is part of this function)

The ^{light} wear along the distal edge may also be attributed to a

X

Site and Number: P283/PIT "V"/Level 4 Date: Nov. 16, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized flake (scraping)

Material: local-green (chert) Length (mm): 6.6 Width: 17.2

Thickness 4.9 Basal Width: Neck Width:

Stem Length: Notch Width: Notch Depth:

Bit Width: Bit Depth:

Retouched-Edges: Left: Right: Distal: Proximal:

Retouched Edge Length: L. ; R: ; D: 16.2; P:

Retouched Edge Thick: L. ; R: ; D: ; P:

Retouched Edge Angle: L. ; R: ; D: ; P:

Comments: Scraping wear scars are visible along distal edge on ventral side.

Site and Number: P283/PIT "BB"/Level Date: Nov. 16, 1990

Location of Collection: Metaponto Ex-banca.

Artifact #: _____ Photo: _____

Type: utilized (cut) flake (cutting)

Material: local-green (slate) Length (mm): 23 Width: 16.3

Thickness 4 Basal Width: Neck Width:

Stem Length: Notch Width: Notch Depth:

Bit Width: Bit Depth:

Retouched Edges: Left: Right: Distal: Proximal:

Retouched Edge Length: L. ; R: 7.3; D: ; P:

Retouched Edge Thick: L. ; R: ; D: ; P:

Retouched Edge Angle: L. ; R: ; D: ; P:

Comments: Cutting use wear is apparent along right edge at proximal end & on ventral side. Platform preparation of proximal end is also apparent.

Site and Number: PZ83/PIT "BB"/Level 1 Date: Nov 16, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized flake (spokeshave)

Material: local-green (chert) Length (mm): 26.3 Width: 16.9

Thickness 10 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: _____ Right: _____ Distal: Proximal: _____

Retouched Edge Length: L. _____; R. _____; D: 12.5; P: _____

Retouched Edge Thick: L. _____; R. _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R. _____; D: _____; P: _____

Comments: The distal edge is scooped in outline (ie concavo-convex) + constitutes a spokeshave function for smoothing/shaping spokes, dowels, etc. It has a scraping angle. The use scars are visible from ventral side.

Site and Number: PZ83/PIT "BB"/Level 1 Date: Nov 16, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (UT) flake (cutting)

Material: local-grey/green (chert) Length (mm): 29.1 Width: 29.7

Thickness 8 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: _____ Right: _____ Distal: Proximal: _____

Retouched Edge Length: L. _____; R. _____; D: 10.6; P: _____

Retouched Edge Thick: L. _____; R. _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R. _____; D: _____; P: _____

Comments: Cutting use wear pattern visible on dorsal side.

Site and Number: P283/PIT "BB"/Level 1 Date: Nov. 16, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: retouched CORE (cutting)

Material: exotic - brown (chert) Length (mm): 18.8 Width: 47.8

Thickness 11.5 Basal Width: Neck Width:

Stem Length: Notch Width: Notch Depth:

Bit Width: Bit Depth:

Retouched Edges: Left: Right: _____ Distal: _____ Proximal: _____

Retouched Edge Length: L. 14.5 ; R: _____ ; D: _____ ; P: _____

Retouched Edge Thick: L. 2.9 ; R: _____ ; D: _____ ; P: _____

Retouched Edge Angle: L. _____ ; R: _____ ; D: _____ ; P: _____

Comments: This exhausted core fragment (?) has had its left edge retouched on the dorsal side for use as a cutting implement.

* Site and Number: P283/PIT "BB"/Level 1 Date: Nov 16, 1990 *

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: graver (fragment)

Material: local - green black (chert) Length (mm): 19.7 Width: 28.2

Thickness 4.6 Basal Width: Neck Width:

Stem Length: Notch Width: Notch Depth:

Beak Bit Width: ? Beak Bit Depth: ≈ 3.8

Retouched Edges: Left: Right: _____ Distal: Proximal: _____

Retouched Edge Length: L. 1.9 ; R: _____ ; D: 8.3 ; P: _____

Retouched Edge Thick: L. _____ ; R: _____ ; D: _____ ; P: _____

Retouched Edge Angle: L. _____ ; R: _____ ; D: _____ ; P: _____

Comments: This tool has most of its left side snapped off. Consequently most of the beak of this graver is missing. There is still enough of the retouching on dorsal side of distal edge

Site and Number: PZ83/PIT "I" / Level 6 Date: Nov. 13, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (cut) flake (cutting)

Material: local-green (agate) Length (mm): 24.5 Width: 26.6

Thickness 6.1 Basal Width: / Neck Width: /

Stem Length: / Notch Width: / Notch Depth: /

Bit Width: / Bit Depth: /

Retouched Edges: Left: _____ Right: Distal: _____ Proximal: _____

Retouched Edge Length: L. _____; R: 10; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: This cutting edge is visible proximally on dorsal side.

Site and Number: PZ83/PIT "L" / Level 5 Date: Nov. 13, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: retouched flake / curved scraper (spokeshave)

Material: exotic - pinky gray (chert) Length (mm): 16 Width: 24

Thickness 4.2 Basal Width: / Neck Width: /

Stem Length: / Notch Width: / Notch Depth: /

Bit Width: / Bit Depth: /

Retouched Edges: Left: _____ Right: Distal: _____ Proximal: _____

Retouched Edge Length: L. _____; R: 10.2; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Retouching occurs on ventral side of shallow curved right

edge. It creates a standard scraping edge but in a more

typical spokeshave form - i.e. a curved scraper that would

have been used "upside down" (i.e. retouching would have rubbed

Site and Number: PZ83/PIT "L"/Level 8 Date: Nov. 13, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: retouched flake (awl/punch)

Material: exotic-smokey grey (chert) Length (mm): 19.7 Width: 28.3

Thickness 5.3 Basal Width: / Neck Width: /

Stem Length: / Notch Width: / Notch Depth: /

Bit Width: 11.4 Bit Depth: 11.8

Retouched Edges: Left: / Right: ✓ Distal: _____ Proximal: _____

Retouched Edge Length: L. /; R: 12.9; D: _____; P: _____

Retouched Edge Thick: L. _____; R: 4.3; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Unifacial retouch occurs distally on ventral side. Originally this would have been part of larger tool, but breakage resulted in its re-use as a punch or awl - the point of which has been extensively ground/polished.

Site and Number: PZ83/PIT "L"/Level 8 Date: Nov. 13, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized core (scraping)

Material: exotic-toffee brown (chalcodony) Length (mm): 32.4 Width: 14.1

Thickness 9.1 Basal Width: / Neck Width: /

Stem Length: / Notch Width: / Notch Depth: /

Bit Width: / Bit Depth: /

Retouched Edges: Left: 47 ✓ Right: _____ Distal: _____ Proximal: _____

Retouched Edge Length: L. 47 15.6; R: _____; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Used as a scraper, wear scars are evident on dorsal side

Site and Number: PZ53/PIT "L"/Level 8 Date: NOV. 13, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized flake (scraping)

Material: local-green (agate) Length (mm): 27.1 Width: 17.2

Thickness 5.2 Basal Width: Neck Width:

Stem Length: Notch Width: Notch Depth:

Bit Width: Bit Depth:

^{UT} Retouched Edges: Left: Right: Distal: Proximal:

^{UT} Retouched Edge Length: L. 16.2 ; R: ; D: ; P:

Retouched Edge Thick: L. ; R: ; D: ; P:

Retouched Edge Angle: L. ; R: ; D: ; P:

Comments: Barely visible on dorsal side, this specimen was lightly utilized for scraping.

Site and Number: PZ55/PIT "L"/Level 8 Date: NOV. 13, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (UT) flake (cutting)

Material: local-green (agate) Length (mm): 24.8 Width: 19.5

Thickness 2.6 Basal Width: Neck Width:

Stem Length: Notch Width: Notch Depth:

Bit Width: Bit Depth:

^{UT} Retouched Edges: Left: Right: Distal: Proximal:

^{UT} Retouched Edge Length: L. 16.2 ; R: ; D: 10 ; P:

Retouched Edge Thick: L. ; R: ; D: ; P:

Retouched Edge Angle: L. ; R: ; D: ; P:

Comments: The cutting surface of the left + distal edges is continuous & more clearly visible on the dorsal side.

Site and Number: PZ83/PIT "M" / Level 1 Date: NOV-13, 1990

Location of Collection: Metaponto. Ex-banca

Artifact #: _____ Photo: _____

Type: retouched flake - curved scraper on spokoshave

Material: local - black flint Length (mm): 26.6 Width: 29.7

Thickness 8.9 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: Right: _____ Distal: _____ Proximal: _____

Retouched Edge Length: L. 9.6 ; R: _____ ; D: _____ ; P: _____

Retouched Edge Thick: L. _____ ; R: _____ ; D: _____ ; P: _____

Retouched Edge Angle: L. _____ ; R: _____ ; D: _____ ; P: _____

Comments: Occuring uniaxially on dorsal side. This worked edge again is for scraping. - yet the worked surface is curved + would have been used "upside down" against the item it was fashioning. This accounts for the heavy wear on the retouch scars themselves.

* Site and Number: PZ83/PIT "M" / Level 4 Date: NOV. 13, 1990

Location of Collection: Metaponto EX-banca

Artifact #: _____ Photo: _____

Type: graver

Material: local - red (jasper) Length (mm): 16.1 Width: 18.7

Thickness 7.6 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Beak Bit Width: 11 Beak Bit Depth: 5.1

Retouched Edges: Left: Right: Distal: _____ Proximal:

Retouched Edge Length: L. 12.2 ; R: 11.7 ; D: _____ ; P: 6.4 / 8.7

Retouched Edge Thick: L. _____ ; R: _____ ; D: _____ ; P: _____

Retouched Edge Angle: L. _____ ; R: _____ ; D: _____ ; P: _____

Comments: This is a different form of graver than seen so far - more out-flairing, hooked or nosed. The left side of the tool has been retouched on dorsal side while the right edge is more obvious on the ventral. The measurements under "proximal" refer to the retouching of the beak

Site and Number: PZ83/PIT "I"/Level 4 Date: Nov. 13, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (UT) flake (combo-cutting/spokeshave)

Material: local-red (jasper) Length (mm): 17.2 Width: 15.6

Thickness 4.4 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: ^{UT} Right: Distal: _____ Proximal: _____

Retouched Edge Length: L. ^{UT} 9; R: 5.3; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: The left used edge is proximal + best viewed ventrally.

This would have been a cutting edge. The right edge occurs inside a notch visible on the dorsal side + would have served as a small spokeshave.

Site and Number: PZ83/PIT "I"/Level 5 Date: Nov. 13, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized flake (cutting)

Material: local-green/red (agate) Length (mm): 35.2 Width: 30

Thickness 9.7 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: ^{UT} Right: _____ Distal: _____ Proximal: _____

Retouched Edge Length: L. ^{UT} 17.9; R: _____; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Most obvious on dorsal side, this would have been a cutting edge.

Site and Number: PZ83/PIT "I"/Level 5 Date: Nov. 13, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: retouched (RT) flake (cutting)

Material: exotic-creamy (chert) Length (mm): 17.1 Width: 11.2

Thickness 1.9 Basal Width: / Neck Width: /

Stem Length: / Notch Width: / Notch Depth: /

Bit Width: / Bit Depth: /

Retouched Edges: Left: _____ Right: Distal: _____ Proximal: _____

Retouched Edge Length: L. _____; R: ^{RT} 6.2 / ^{UT} 11.7; D: _____; P: _____

Retouched Edge Thick: L. _____; R: 1.65; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: The retouched edge occurs proximally & is, indeed, bifacial. There is a longer edge along the right (more distal) that has also been utilized Both edges would have been for cutting

Site and Number: PZ83/PIT "I"/Level 5 Date: Nov. 13, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (UT) core (spokeshave)

Material: local-green (chert) Length (mm): 24.6 Width: 17.4

Thickness 7.1 Basal Width: / Neck Width: /

Stem Length: / Notch Width: / Notch Depth: /

Bit Width: / Bit Depth: /

Retouched Edges: Left: Right: _____ Distal: _____ Proximal: _____

Retouched Edge Length: L. ^{UT} 7.5; R: _____; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Wear occurs dorsally inside concave curved edge. This form & the steep angle suggest a spokeshave function.

Site and Number: P283/Pit "H" / Surface Date: Nov. 13, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (UT) flake (scraping)

Material: exotic - glassy grey (chert) Length (mm): 18.6 Width: 10.1

Thickness 5.9 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: ^{UT} Left: Right: Distal: _____ Proximal: _____

Retouched Edge Length: ^{UT} L. 6.4 ; R. 6.9 ; D: _____ ; P: _____

Retouched Edge Thick: L. _____ ; R: _____ ; D: _____ ; P: _____

Retouched Edge Angle: L. _____ ; R: _____ ; D: _____ ; P: _____

Comments: Both used edges are for scraping. Both are visible on the dorsal side. The right edge shows more wear

Site and Number: P283/Pit "H" / Level 1 Date: Nov. 13, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (UT) flake (scraping)

Material: local - green (agate) Length (mm): 25.2 Width: 24

Thickness 6.4 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: ^{UT} Left: Right: Distal: _____ Proximal: _____

Retouched Edge Length: ^{UT} L. 22.2 ; R. 18.7 ; D: _____ ; P: _____

Retouched Edge Thick: L. _____ ; R: _____ ; D: _____ ; P: _____

Retouched Edge Angle: L. _____ ; R: _____ ; D: _____ ; P: _____

Comments: Both edges have been extensively used for scraping & wear scars are evident on both dorsal & ventral sides.

Site and Number: P283/Pit "H"/Level 2 Date: Nov. 13, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (UT) flake (cutting)

Material: local-red (jasper) Length (mm): 31 Width: 18.1

Thickness 5.6 Basal Width: Neck Width:

Stem Length: Notch Width: Notch Depth:

Bit Width: Bit Depth:

Retouched Edges: Left: Right: Distal: Proximal:

Retouched Edge Length: L. ; R: 19; D: ; P:

Retouched Edge Thick: L. ; R: ; D: ; P:

Retouched Edge Angle: L. ; R: ; D: ; P:

Comments: The cutting edge for this specimen occurs in an area of feathering. This provides a serration that may have been specifically desired. Wear is most apparent on ventral. Spalling on dorsal side may indicate exposure to fire.

Site and Number: P283/Pit "H"/Level 2 Date: Nov. 13, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: retouched (RT) flake (unfinished tool? graver? scraper.)

Material: exotic-grey/red (chert) Length (mm): 23.5 Width: 10.5

Thickness 4.7 Basal Width: Neck Width:

Stem Length: Notch Width: Notch Depth:

Bit Width: Bit Depth:

Retouched Edges: Left: Right: Distal: Proximal:

Retouched Edge Length: L. ; R: 13.7; D: ; P:

Retouched Edge Thick: L. ; R: ; D: ; P:

Retouched Edge Angle: L. ; R: ; D: ; P:

Comments: The angle suggests a possible scraping function, but the form suggests the completed 1/2 of a graver's beak. (especially since the retouching appears to have been started around on the

Site and Number: P283/Pit "I"/surface Date: Nov. 13, 1990

Location of Collection: Mataponto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (UT) flake (spokeshave)

Material: local-green (agate) Length (mm): 21.4 Width: 21

Thickness 5.9 Basal Width: Neck Width:

Stem Length: Notch Width: Notch Depth:

Bit Width: Bit Depth:

Retouched Edges: Left: ^{UT} Right: _____ Distal: _____ Proximal: _____

Retouched Edge Length: L. ^{UT} 19 ; R: _____ ; D: _____ ; P: _____

Retouched Edge Thick: L. _____ ; R: _____ ; D: _____ ; P: _____

Retouched Edge Angle: L. _____ ; R: _____ ; D: _____ ; P: _____

Comments: The wear is more obvious on the dorsal side, inside the curved edge. This form, along with the edge angle, suggests some form of spokeshave/scraping use.

Site and Number: P283/Pit "I"/Level 2 Date: Nov. 13, 1990

Location of Collection: Mataponto. Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (UT) flake (scraping)

Material: exotic-obsidian Length (mm): 19.8 Width: 13.9

Thickness 7.3 Basal Width: Neck Width:

Stem Length: Notch Width: Notch Depth:

Bit Width: Bit Depth:

Retouched Edges: Left: ^{UT} Right: _____ Distal: Proximal: _____

Retouched Edge Length: L. ^{UT} 11.3 ; R: _____ ; D: 9 ; P: _____

Retouched Edge Thick: L. _____ ; R: _____ ; D: _____ ; P: _____

Retouched Edge Angle: L. _____ ; R: _____ ; D: _____ ; P: _____

Comments: Both edges are for scraping & both are visible on both dorsal & ventral sides.

Site and Number: PZ83/Pit "I"/Level 2 Date: Nov. 13, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: scraper fragment

Material: exotic-smoky grey ^(chert) Length (mm): 20.5 Width: 18.1

Thickness 2.9 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: Right: _____ Distal: _____ Proximal: _____

Retouched Edge Length: L. >12.8; R: _____; D: _____; P: _____

Retouched Edge Thick: L. 1.5; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Apparantly the remains of a side scraper. Retouching occurs on dorsal side. The dorsal surface is mostly missing due to battering.

Site and Number: PZ83/Pit "I"/Level 5 Date: Nov. 13, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (UT) flake (spokeshave)

Material: local-green (agate) Length (mm): 20.8 Width: 28.2

Thickness 5.2 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: ^{UT} Right: _____ Distal: Proximal: _____

Retouched Edge Length: L. 14.4; R: _____; D: 16.1; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Use wear along left edge is more apparent on ventral side + occurs along a concave edge. This + the scraping angle suggest use as a spokeshave. The distal edge is apparent on dorsal side +

ARTIFACT RECORD FORM

Site and Number: P283/PIT "I"/Level 3 Date: NOV. 13, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: graver

Material: local - green (agate) Length (mm): 22.2 Width: 23.1

Thickness 4.5 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

^{Beak} Bit Width: 7.6 ^{Beak} Bit Depth: 4.8

Retouched Edges: Left: _____ Right: Distal: _____ Proximal: _____

Retouched Edge Length: L. _____; R. _____; D: 11.; P: 10.4

Retouched Edge Thick: L. _____; R: 4.1; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Retouching occurs on ventral side, although thinning (primary) is also obvious on dorsal. The sharpness of the beak suggests that the tool was never used.

Site and Number: P283/PIT "I"/Level 4 Date: NOV. 13, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (UT) flake (cutting)

Material: exotic - creamy (chert) Length (mm): 17.1 Width: 6.7

Thickness 0.8 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

^{UT} Retouched Edges: Left: _____ Right: Distal: _____ Proximal: _____

^{UT} Retouched Edge Length: L. _____; R: 9.6; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: This could be a blade fragment, but there is just too little left to tell for sure. No matter what, it would have constituted a cutting edge.

Site and Number: PZ83/PIT "G"/Surface-level Date: Nov. 13, 1990

Location of Collection: Metaponto. Ex-banca

Artifact #: _____ Photo: _____

Type: graver / utilized (scraper) flake

Material: local-red (jasper) Length (mm): 35.4 Width: 24.6

Thickness 11.7 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Beak Bit Width: 10.0 Beak Bit Depth: 4.7

Retouched Edges: Left: (LT) Right: (RT) Distal: _____ Proximal: _____

Retouched Edge Length: L. 17.7/18.3; R. _____; D: 7; P: 9.9

Retouched Edge Thick: L. _____; R. _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R. _____; D: _____; P: _____

Comments: Left edge has been used in 2 parts as a scraping edge.

The more distal is shorter + less pronounced than the more proximal

The graver occurs along the right edge. The distal portion of the beak is retouched on the dorsal side, while the proximal part is retouched on the ventral side.

Site and Number: PZ83/PIT "G"/Surface-level Date: Nov. 13, 1990

Location of Collection: Metaponto. Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (LT) flake fragment. (cutting / scraping)

Material: exotic - gray (chert) Length (mm): 16.3 Width: 21.9

Thickness 3.9 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: (LT) Right: (RT) Distal: _____ Proximal: _____

Retouched Edge Length: L. 12.5; R. >6.7; D: _____; P: _____

Retouched Edge Thick: L. _____; R. _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R. _____; D: _____; P: _____

Comments: This flake is broken + consequently the used right edge is only partial. This would have been a cutting edge. The left edge is immediately beside the distal hinge fracture + constitutes a steep

Site and Number: P283/PIT "E"/Level 3 Date: Nov. 15, 1990Location of Collection: Metaponto MuseumArtifact #: SF 204 Photo: _____Type: utilized (UT) BLADE fragment (cutting)Material: exotic-obsidian Length (mm): > 21.7 Width: 11.7Thickness 3 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: ^{UT} Left: Right: Distal: _____ Proximal: _____Retouched Edge Length: ^{UT} L. 21; R. 21.5; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Both edges are for cutting and both are more obvious on dorsal side. However left edge has been more extensively used. Specimen is assymmetrically trapezoid in X-section & may be bi-plane in long section except that piece is not complete.

Site and Number: P283/PIT "E"/Level 3 Date: Nov. 15, 1990Location of Collection: Metaponto MuseumArtifact #: SF 205 Photo: _____Type: utilized (UT) BLADE fragment (cutting)Material: exotic-obsidian Length (mm): > 14.9 Width: 10.2Thickness 1.6 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: ^{UT} Left: Right: Distal: _____ Proximal: _____Retouched Edge Length: ^{UT} L. 9.8; R. 10.9; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Both cutting edges have just been sparingly used - the left more so than the right - & both are more visible on dorsal side. Shallow plano-triangular in cross-section, there is not enough of the original tool to determine longitudinal shape.

LITHIC ARTIFACT RECORD FORM

Site and Number: P283/PIT "E" / Level 3 Date: Nov. 15, 1990Location of Collection: Metaponto MuseumArtifact #: SF 202 Photo: _____Type: utilized (UT) BLADE fragment (cutting)Material: exotic-obsidian Length (mm): >24.6 Width: 11.6Thickness 3.7 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: ^{UT} Left: Right: _____ Distal: _____ Proximal: _____Retouched Edge Length: ^{UT} L. 24.3 ; R: _____ ; D: _____ ; P: _____

Retouched Edge Thick: L. _____ ; R: _____ ; D: _____ ; P: _____

Retouched Edge Angle: L. _____ ; R: _____ ; D: _____ ; P: _____

Comments: Only the one edge has been used & its wear is most apparent on dorsal side. It is "scooped" triangular in X-section & concavo-convex in long. section. The piece is only a fragment of a larger blade

Site and Number: P283/PIT "E" / Level 3 Date: Nov. 15, 1990Location of Collection: Metaponto MuseumArtifact #: SF 203 Photo: _____Type: utilized (UT) BLADE fragment (cutting)Material: exotic-obsidian Length (mm): >12.5 Width: 8.1Thickness 2 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: ^{UT} Left: _____ Right: Distal: _____ Proximal: _____Retouched Edge Length: ^{UT} L. _____ ; R. 12.4 ; D: _____ ; P: _____

Retouched Edge Thick: L. _____ ; R: _____ ; D: _____ ; P: _____

Retouched Edge Angle: L. _____ ; R: _____ ; D: _____ ; P: _____

Comments: Some use may be present on left edge but it is too slight to worry about. Cutting use wear for right edge is most visible on dorsal side. Specimen is "scooped" triangular in X-section, & possibly asymmetrically biconvex in long. section. However this is only a piece of a larger tool & so this cannot be determined with surety.

Site and Number: P283/PIT "E"/Level 3 Date: Nov. 15, 1990Location of Collection: Metaponto MuseumArtifact #: SF 206 Photo: _____Type: utilized BLADE fragment (cutting)Material: exotic-obsidian Length (mm): > 22.9 Width: 9.4Thickness 2.7 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: ^{UT} Right: _____ Distal: _____ Proximal: _____Retouched Edge Length: L. ^{UT} 10.9; R: _____; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Only the left cutting edge shows signs of use, mostly on dorsal side. Specimen is "scooped" triangular in x-section + likely asymmetrically concavo-convex even though this is only part of a larger blade.

Site and Number: P283/PIT "E"/Level 3 Date: Nov. 15, 1990Location of Collection: Metaponto MuseumArtifact #: SF 208 (1) Photo: _____Type: utilized (UT) BLADE fragment (cutting)Material: exotic-obsidian Length (mm): > 17.6 Width: 5.8Thickness 1.3 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: ^U Right: Distal: _____ Proximal: _____Retouched Edge Length: L. ^{UT} 10.5; R: 5.3; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Both edges have only sparingly been used for cutting.The right use is proximal - the left edge is more continuous.The piece is triangular in x-section + just slightly concavo-convex in long section.

Site and Number: P283/PIT "E" / Level 3 Date: Nov. 15, 1990Location of Collection: Metaponto MuseumArtifact #: SF 208 (ii) Photo: _____Type: utilized (UT) BLADE fragment (cutting)Material: exotic-obsidian Length (mm): 10.7 Width: 9.2Thickness 2 Basal Width: _____ Neck Width: _____Stem Length: _____ Notch Width: _____ Notch Depth: _____Bit Width: _____ Bit Depth: _____Retouched Edges: Left: _____ Right: Distal: _____ Proximal: _____Retouched Edge Length: L. _____; R: 8.4; D: _____; P: _____Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Only the right edge has been used & this likely for cutting. Wear is prevalent on dorsal side. Trapezoidal in x-section there is not enough of the original tool present to determine longitudinal shape.

Site and Number: P283/PIT "E" / Level 3 Date: Nov. 15, 1990Location of Collection: Metaponto MuseumArtifact #: SF 208 (iii) Photo: _____Type: utilized (UT) BLADE fragment (cutting)Material: exotic-obsidian Length (mm): > 16.4 Width: 11.6Thickness 3.3 Basal Width: _____ Neck Width: _____Stem Length: _____ Notch Width: _____ Notch Depth: _____Bit Width: _____ Bit Depth: _____Retouched Edges: Left: _____ Right: Distal: _____ Proximal: _____Retouched Edge Length: L. _____; R: 11.3; D: _____; P: _____Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Only right edge has been used & this only slightly. The cutting wear is perhaps more visible on ventral side. The piece is a "scooped" trapezoid in x-section & may be concave-convex in longitudinal section although there is not enough of the original blade to say so with certainty

LITHIC ARTIFACT RECORD FORM

Site and Number: P283/PIT "E"/Level 3 Date: Nov. 15, 1990Location of Collection: Metaponto MuseumArtifact #: SF 208 (iv) Photo: _____Type: utilized (iv) BLADE fragments (cutting)Material: exotic - obsidian Length (mm): 17.4 Width: 10Thickness 2.1 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: _____ Right: Distal: _____ Proximal: _____Retouched Edge Length: L. _____; R: 9.6; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Only right cutting edge utilized visible on dorsal side. Scooped triangular x-section + distinct concavo-convex longitudinal section.Site and Number: P253/PIT "E"/Level 4 Date: Nov. 15, 1990Location of Collection: Metaponto MuseumArtifact #: SF 209 Photo: _____Type: projectile pointMaterial: exotic - talice (chert) Length (mm): 35.4 Width: 21.2Thickness 6.5 Basal Width: 6.2 Neck Width: 10Stem Length: 7.3 Notch Width: _____ Notch Depth: 5.1/6.5

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: _____ Right: _____ Distal: _____ Proximal: _____

Retouched Edge Length: L. _____; R: _____; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Tip is almost a needle in form + the blade itself is asymmetrically incurvate. The base is stemmed. In cross-section, it is almost asymmetrically bi-triangular while in longitudinal section it is asymmetrically biconvex.

Site and Number: P283/PIT "E" / Level 4 Date: Nov. 15, 1990

Location of Collection: Metaponto Museum

Artifact #: SF 210 Photo: _____

Type: BIFACIAL BLADE fragment (cutting)

Material: exotic-obsidian Length (mm): >26.5 Width: 11.6

Thickness 3.6 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: UT Right: RT Distal: _____ Proximal: _____

Retouched Edge Length: L. 26.4 ; R: 26.3 ; D: _____ ; P: _____

Retouched Edge Thick: L. _____ ; R: 1.1 ; D: _____ ; P: _____

Retouched Edge Angle: L. _____ ; R: _____ ; D: _____ ; P: _____

Comments: While right edge has been retouched, the left has merely been extensively used. Right side also shows great wear. Scooped trapezoidal cross-section & likely bipolono in longitudinal section

Site and Number: P283/PIT "E" / Level 4 Date: Nov 15, 1990

Location of Collection: Metaponto Museum

Artifact #: SF 211 Photo: _____

Type: ground stone chisel

Material: local (unknown) Length (mm): 82.7 Width: 53.8

Thickness 30.8 ^{BIT} Basal Width: 51.4 ^{BIT THICK.} Neck Width: 22.2

Stem Length: _____ ^{POLL} Notch Width: >38.1 ^{POLL THICK.} Notch-Depth: >22.9

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: _____ Right: _____ Distal: _____ Proximal: _____

Retouched Edge Length: L. _____ ; R: _____ ; D: _____ ; P: _____

Retouched Edge Thick: L. _____ ; R: _____ ; D: _____ ; P: _____

Retouched Edge Angle: L. _____ ; R: _____ ; D: _____ ; P: _____

Comments: The Body is biconvex in shape. The bit, too, is essentially symmetrically biconvex in latitudinal x-section & asymmetrically biconvex in longitudinal x-section. The bit itself is convex & greatly blunted. The poll is extensively battered suggesting repeated percussion

Site and Number: P283/PIT "E" / Level 5 Date: Nov. 15, 1990Location of Collection: Metaponto MuseumArtifact #: SF 223 Photo: _____Type: projectile pointMaterial: exotic - creamy (chalcidony) Length (mm): 22.9 Width: 13.9Thickness 4.5 Basal Width: Neck Width: 7.8Stem Length: 10.1 Notch Width: Notch Depth: 3.7 / 2.2Bit Width: Bit Depth: Retouched Edges: Left: Right: Distal: Proximal: Retouched Edge Length: L. 14.5 ; R: 14.6 ; D: ; P: Retouched Edge Thick: L. ; R: ; D: ; P: Retouched Edge Angle: L. ; R: ; D: ; P:

Comments: Tip constitutes a pointed broad angle form. The blade is triangular (maybe slightly excurvate). The base is pointed. In x-section and longitudinal section, the piece is biconvex.

Site and Number: P283/PIT "E" / Level 5 Date: Nov. 15, 1990Location of Collection: Metaponto MuseumArtifact #: SF 224 Photo: _____Type: utilized BLADE (cutting/scraping)Material: exotic - creamy (chert) Length (mm): 38.1 Width: 9.7Thickness 3 Basal Width: Neck Width: Stem Length: Notch Width: Notch Depth: Bit Width: Bit Depth: Retouched Edges: Left: Right: Distal: Proximal: Retouched Edge Length: L. 2.1 ; R: 37.7 ; D: 9.5 ; P: Retouched Edge Thick: L. ; R: ; D: ; P: Retouched Edge Angle: L. ; R: ; D: ; P:

Comments: Cutting use is most apparent on right side + dorsally. The left side is much more sparse + isolated being visible bifacially. Distally, the edge could have functioned as a scraper

Site and Number: P283/PIT "C" / Level 3 Date: NOV. 15, 1990Location of Collection: Metaponto MuseumArtifact #: SF 141 Photo: _____Type: celtMaterial: unknown (local) Length (mm): 83.7 Width: 20.4Thickness: 13 ^{Bit} Basal Width: 17.2 ^{Bit Thickness} Neck Width: 7.4Stem Length: ^{Poll} Notch Width: 12.2 ^{Poll Thickness} Notch Depth: 7.9Bit Width: Bit Depth:

Retouched Edges: Left: _____ Right: _____ Distal: _____ Proximal: _____

Retouched Edge Length: L. _____; R. _____; D. _____; P. _____

Retouched Edge Thick: L. _____; R. _____; D. _____; P. _____

Retouched Edge Angle: L. _____; R. _____; D. _____; P. _____

Comments: The body element is biconvex in shape. The bit is essentially symmetrical & biconvex in lateral & longitudinal sections. It is somewhat flattened along work edge. There is virtually no wear visible along bit or poll.

Site and Number: P283/PIT "D" / Level 1 Date: NOV. 15, 1990Location of Collection: Metaponto MuseumArtifact #: SF 157 Photo: _____Type: projectile pointMaterial: exotic - white (chert) Length (mm): 32.8 Width: 16.5Thickness: 5.7 Basal Width: ? Neck Width: 8Stem Length: > 6.8 Notch Width: Notch Depth: Bit Width: Bit Depth: Retouched Edges: Left: Right: Distal: _____ Proximal: _____

Retouched Edge Length: L. _____; R. _____; D. _____; P. _____

Retouched Edge Thick: L. _____; R. _____; D. _____; P. _____

Retouched Edge Angle: L. _____; R. _____; D. _____; P. _____

Comments: Tip form is rounded acuminate. Blade form is incurvate. It is biconvex in cross-section. It is likely a stemmed point, but actual base is missing. (: no basal width).

* Site and Number: PZ83/PIT "E"/Level 3 Date: Nov. 12, 1990

Location of Collection: Meta ponto Ex-banca

Artifact #: _____ Photo: _____

Type: unifacial tool fragment. (scraper)

Material: exotic-creamy (chert) Length (mm): 16.3 Width: 6.7

Thickness 3.2 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: Right: _____ Distal: _____ Proximal: _____

Retouched Edge Length: L. 15.7; R: _____; D: _____; P: _____

Retouched Edge Thick: L. 1.1; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Not enough of this tool remains for identifying form, although extant worked edge suggest a scraping implement - perhaps a side scraper. Entire dorsal side has been primarily thinned prior to secondary retouching.

* Site and Number: PZ83/PIT "E"/Level 3 Date: Nov. 12, 1990

Location of Collection: Meta ponto Ex-banca

Artifact #: _____ Photo: _____

Type: graver (blunted)

Material: local-green (chert) Length (mm): 11.1 Width: 17

Thickness 5.4 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Beak Bit Width: 6.3 Beak Bit Depth: 4.8

Retouched Edges: Left: Right: _____ Distal: Proximal:

Retouched Edge Length: L. _____; R: _____; D: 15.9; P: 7

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: All flaking is unifacial on dorsal side. The beak is blunted through use. The specimen is rather crude with asymmetrical shoulders.

Site and Number: PZ83/PIT "E"/Level 3 Date: NOV. 12, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (UT) flake (cutting)

Material: exotic obsidian Length (mm): 10.4 Width: 6.1

Thickness 2.2 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: _____ Right: Distal: _____ Proximal: _____

Retouched Edge Length: L. _____; R: 9.4; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Specimen may, at one time, have been a blade. It would have been used for cutting

Site and Number: PZ83/PIT "E"/Level 3 Date: NOV. 12, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: retouched (RT) CORE fragment / scraper

Material: exotic obsidian Length (mm): 26.1 Width: 32.9

Thickness 11.3 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: _____ Right: Distal: Proximal: _____

Retouched Edge Length: L. _____; R: 12.5; D: > 9; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: The right edge looks to be utilized platform preparation. The use wear is apparent on ventral side. The area of distal retouching is the broken edge of a scraper. As many as 6 blade scars are evident on this core.

Site and Number: P283/PIT "E"/Level 4 Date: Nov. 12, 1990

Location of Collection: Metapanto Ex-banca

Artifact #: _____ Photo: _____

Type: graver (blunted + exhausted)

Material: local-green (chert) Length (mm): 13.5 Width: 15.3

Thickness 5 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Beak Bit Width: 6.2 Beak Bit Depth: 2

Retouched Edges: Left: Right: _____ Distal: Proximal:

Retouched Edge Length: L. _____; R. _____; D: 7; P: 6.5

Retouched Edge Thick: L. _____; R. _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R. _____; D: _____; P: _____

Comments: Retouching is unifacial on dorsal side, though heavy use is apparent distal/ventral surface. Indeed specimen is so over used as to be exhausted. Proximal shoulder spur is apparent.

Site and Number: P283/PIT "E"/Level 5 Date: Nov. 12, 1990

Location of Collection: Metapanto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized" (UT) flake - curved scraper / spokeshave

Material: local-green (chert) Length (mm): 17.8 Width: 26

Thickness 5 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: _____ Right: _____ Distal: Proximal:

Retouched Edge Length: L. _____; R. _____; D: ^{UT}(UT) 8.3; P: 10.5 (RT)

Retouched Edge Thick: L. _____; R. _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R. _____; D: _____; P: _____

Comments: Flake scars for both edges visible on dorsal side. Distal edge utilized for cutting. Proximal edge used as a form of curved scraper for use similar to spokeshave.

Site and Number: P283/PIT "E"/Level 5 Date: Nov. 12, 1990Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: retouched (RT) flake (cutting)Material: exotic - banded (chert) Length (mm): 23.6 Width: 18.5Thickness 3.9 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: _____ Right: Distal: _____ Proximal: _____Retouched Edge Length: L. _____; R: 18.5; D: _____; P: _____Retouched Edge Thick: L. _____; R: 1; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Entire dorsal side has been thinned (i.e. unifacial)
Ventral side has strong wavy surface. Secondary retouch has been
employed on this side to thin crests of these waves to improve cutting
efficiency.

Site and Number: P283/PIT "E"/Level 5 Date: Nov. 12, 1990Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: retouched (RT) flake (scraping)Material: exotic - smoky grey ^(chert) Length (mm): 25.1 Width: 15.1Thickness 5.3 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: Right: _____ Distal: _____ Proximal: _____Retouched Edge Length: L. 13.8/17.2; R: _____; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: This reworked edge occurs in 2 sections - one at
proximal end is reworked on ventral side + the other at
distal end is on the dorsal. They are in fact continuous + seems
to have a scraping surface.

LITHIC ARTIFACT RECORD FORM

Site and Number: P283 / PIT "F" / Level 1 Date: Nov. 13, 1990Location of Collection: Meta ponto. Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (UT) flake (scraping)Material: exotic - grey (chert) Length (mm): 28.8 Width: 29.8Thickness 6.3 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: ^{UT} Left: Right: _____ Distal: _____ Proximal: _____Retouched Edge Length: ^{UT} L. 17.7; R: _____; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: This is a scraping edge & extensive use wear is evident on both dorsal & ventral sides. Specimen may have been exposed to heat, resulting in spalling on dorsal surface.Site and Number: P283 / PIT "F" / Level 1 Date: Nov. 13, 1990Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (UT) flake (cutting)Material: local - green (agate) Length (mm): 36.2 Width: 29.9Thickness 11 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: ^{UT} Left: _____ Right: Distal: Proximal: _____Retouched Edge Length: ^{UT} L. _____; R: 38.6; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: The used cutting edge of this specimen wraps continuously around the right edge to the distal edge. Scarring is most obvious on ventral side. Dorsal surface is cortex.

LITHIC ARTIFACT RECORD FORM

Site and Number: P283/PIT "BB" / Level 3 Date: Nov. 18, 1990Location of Collection: Metapano Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (UT) flake (scraping / spokeshave)Material: local - green (ajak) Length (mm): 20.7 Width: 22Thickness 3.8 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: Right: _____ Distal: _____ Proximal: _____Retouched Edge Length: L. 19 ; R: 11 ; D: _____ ; P: _____

Retouched Edge Thick: L. _____ ; R: _____ ; D: _____ ; P: _____

Retouched Edge Angle: L. _____ ; R: _____ ; D: _____ ; P: _____

Comments: Scraping use wear obvious bifacially. Perhaps, because of the scooped outline of this edge (& the scraping angle), this piece was used as a spokeshave.Site and Number: P283/PIT "CC" / Level 1 Date: Nov. 18, 1990Location of Collection: Metapano Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (UT) flake (cutting)Material: exotic - obsidian Length (mm): 13.3 Width: > 5.2Thickness 3.6 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: Right: _____ Distal: _____ Proximal: _____Retouched Edge Length: L. 13.4 ; R: _____ ; D: _____ ; P: _____

Retouched Edge Thick: L. _____ ; R: _____ ; D: _____ ; P: _____

Retouched Edge Angle: L. _____ ; R: _____ ; D: _____ ; P: _____

Comments: Cutting use scars visible bifacially. Originally piece may have been a blade, but right side has since shown off.

LITHIC ARTIFACT RECORD FORM

Site and Number: P283/PIT "CC" / Level 1 Date: Nov. 18, 1990Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (UT) flake (cutting/scraping combo.)Material: exotic-creamy ^(chalcedony) Length (mm): 20 Width: 8.1Thickness 4.8 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: ^{UT} Left: Right: Distal: _____ Proximal: _____Retouched Edge Length: ^{UT} L. 20.5; R. 13.4; D. _____; P. _____

Retouched Edge Thick: L. _____; R. _____; D. _____; P. _____

Retouched Edge Angle: L. _____; R. _____; D. _____; P. _____

Comments: Left scraping edge is visible more dorsally while right cutting edge is more obvious ventrally. Both edges (+ entire piece) are extensively water wornSite and Number: P283/PIT "CC" / Level 1 Date: Nov. 18, 1990Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (UT) flake (cutting)Material: exotic-creamy ^(chalcedony) Length (mm): 12.9 Width: 14Thickness 2.8 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: ^{UT} Left: _____ Right: Distal: Proximal: _____Retouched Edge Length: ^{UT} L. _____; R. 9.4; D. 11.2; P. _____

Retouched Edge Thick: L. _____; R. _____; D. _____; P. _____

Retouched Edge Angle: L. _____; R. _____; D. _____; P. _____

Comments: Cutting wear for both edges best observed on ventral side. Right edge only 'lightly' used.

LITHIC ARTIFACT RECORD FORM

Site and Number: PZ83/Pit "DD"/Level 5 Date: Nov 18, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: retouched flake (scraping)

Material: exotic-black (chert) Length (mm): 14.8 Width: 15.2

Thickness 2.6 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: Right: _____ Distal: _____ Proximal: _____

Retouched Edge Length: L. 14 ; R: _____ ; D: _____ ; P: _____

Retouched Edge Thick: L. 2.1 ; R: _____ ; D: _____ ; P: _____

Retouched Edge Angle: L. _____ ; R: _____ ; D: _____ ; P: _____

Comments: Retouch flaking to produce scraping edge is visible on dorsal side. Flaking on right side of piece appears simply to be from extraneous battering

Site and Number: PZ83/Pit "DD"/Level 6 Date: Nov. 18, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (cut) flake (cutting)

Material: exotic-pink banded (chert) Length (mm): 29.7 Width: 16.3

Thickness 9.2 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

^{UT}Retouched Edges: Left: _____ Right: Distal: _____ Proximal: _____

^{UT}Retouched Edge Length: L. _____ ; R: 16.2 ; D: _____ ; P: _____

Retouched Edge Thick: L. _____ ; R: _____ ; D: _____ ; P: _____

Retouched Edge Angle: L. _____ ; R: _____ ; D: _____ ; P: _____

Comments: Cutting use wear (though light) is apparent on dorsal side.

LITHIC ARTIFACT RECORD FORM

Site and Number: PZ83/PIT "GG" / Surface Date: Nov. 18, 1990

Location of Collection: Metapan to Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (4T) flake (cutting)

Material: exotic-grey banded (chert) Length (mm): 18.3 Width: 19

Thickness 3.9 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: ^{4T} Right: _____ Distal: _____ Proximal: _____

Retouched Edge Length: L. ^{4T} 15.1; R: _____; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Cutting use wear visible on ventral side. Other edges appear used, but this is really just "feathering"

Site and Number: PZ83/PIT "HH" / Level 2 Date: Nov. 18, 1990

Location of Collection: Metapan to Ex-banca

Artifact #: _____ Photo: _____

Type: utilized flake (graver)

Material: local-green (agate) Length (mm): 23.3 Width: 21.7

Thickness 5.6 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: _____ Right: _____ Distal: ^{4T} Proximal: _____

Retouched Edge Length: L. ^{4T} 5.2; R: 4.1; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Measurements above constitute both sides of the tool's "beak". Use wear more apparent on ventral side.

Dorsal side shows extensive primary thinning that produced beak but no retouching apparent. Beak width is 7.5 mm + depth = 2.1
Tip itself shows excessive wear

LITHIC ARTIFACT RECORD FORM

Site and Number: P283/PIT "LH"/Level 1 Date: Nov. 18, 1990Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (UT) core (cutting)Material: exotic - obsidian Length (mm): 18.8 Width: 18.9Thickness 6.6 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: ^{UT} Right: _____ Distal: _____ Proximal: _____Retouched Edge Length: L. ^{UT} 8.2; R: _____; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Cutting use wear apparent on dorsal side at distal end of edge.Site and Number: P283/PIT "NN"/Level 5 Date: Nov. 18, 1990Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: retouched flake fragment (scraping)Material: local - green (agate) Length (mm): 18 Width: 25.7Thickness 8.2 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: _____ Right: _____ Distal: Proximal: _____Retouched Edge Length: L. _____; R: _____; D: 6; P: _____Retouched Edge Thick: L. _____; R: _____; D: 1.9; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: This scraping edge is fragmented, with most of the reworking now gone. The piece itself is a pebble flake with cortex attached. Retouching visible on dorsal side.

LITHIC ARTIFACT RECORD FORM

Site and Number: PZ83/PIT "NN"/Level 9 Date: Nov. 18, 1990Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: retouched flake (cutting)Material: exotic-smokey chert Length (mm): 17.7 Width: 15.8Thickness 4.5 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: Right: _____ Distal: _____ Proximal: _____Retouched Edge Length: L. 16.6; R: _____; D: _____; P: _____Retouched Edge Thick: L. 1.7; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Retouch to produce cutting edge is very worn (water & hard to discern. It occurs bifacially.Site and Number: PZ83/PIT "NN"/Level 10 Date: Nov. 18, 1990Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (cut) flake (cutting)Material: exotic-pink grey chert Length (mm): 25.6 Width: 19.4Thickness 5.2 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: _____ Right: Distal: _____ Proximal: _____Retouched Edge Length: L. _____; R. 11.5; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Cutting use wear apparent @ proximal end of edge + on ventral side.

Site and Number: PZ83/PIT "NN"/Level 10 Date: Nov. 18, 1990Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (UT) flake (scraping)Material: local-red (jasper) Length (mm): 35.5 Width: 28.5Thickness 10.8 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: ^{UT} Right: _____ Distal: _____ Proximal: _____Retouched Edge Length: L. ^{UT} 23.1; R: _____; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Scraping use wear visible @ distal end of edge on ventral side. Specimen is a pebble flake with a deep cortex.Site and Number: PZ83/PIT "NN"/Level 13 Date: Nov 18, 1990Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (UT) flake (scraping/spokeshave)Material: exotic-grey (chert) Length (mm): 22.1 Width: 11.1Thickness 5.5 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: ^{UT} Right: Distal: Proximal: _____Retouched Edge Length: L. ^{UT} 7.7; R: 9.6; D: 11.5; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Right + distal edge scraping use visible on dorsal side. Left edge spokeshave use visible on ventral side. Entire piece is somewhat water worn.

LITHIC ARTIFACT RECORD FORM

Site and Number: PZ83/PIT "C" / Level 1 Date: Nov. 15, 1990Location of Collection: Metaponto MuseumArtifact #: SF 135 Photo: _____Type: utilized blade fragment (cutting)Material: exotic-obsidian Length (mm): > 8.4 Width: 8.1Thickness: 2.2 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: ⁴⁷ Right: Distal: _____ Proximal: _____Retouched Edge Length: L. ⁴⁷ > 8.3 ; R: > 6.8 ; D: _____ ; P: _____

Retouched Edge Thick: L. _____ ; R: _____ ; D: _____ ; P: _____

Retouched Edge Angle: L. _____ ; R: _____ ; D: _____ ; P: _____

Comments: Part of an originally longer tool - used for cutting. Trapezoidal in cross-sectionSite and Number: PZ83/PIT "C" / Level 1 Date: Nov. 15, 1990Location of Collection: Metaponto MuseumArtifact #: SF 136 Photo: _____Type: BIFACIAL BLADE (cutting)Material: exotic-pinky (chert) Length (mm): > 18.1 Width: 10.8Thickness: 4.5 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: Right: Distal: _____ Proximal: _____Retouched Edge Length: L. > 16.5 ; R: > 18 ; D: _____ ; P: _____Retouched Edge Thick: L. 1.4 ; R: 1.3 ; D: _____ ; P: _____

Retouched Edge Angle: L. _____ ; R: _____ ; D: _____ ; P: _____

Comments: Part of an originally longer cutting tool. Biconvex in cross-section.

Site and Number: P283/PIT "C"/Level 2 Date: NOV. 15, 1990Location of Collection: Metaponto MuseumArtifact #: SF 138 Photo: _____Type: utilized (cut) flake (cutting) ill.Material: exotic - obsidian Length (mm): 12.5 Width: 8.6Thickness 2.2 Basal Width: Neck Width: Stem Length: Notch Width: Notch Depth: Bit Width: Bit Depth: Retouched Edges: Left: ^{UT} Right: Distal: Proximal: Retouched Edge Length: L. ^{UT} 8.2 ; R: 8.2 ; D: ; P: Retouched Edge Thick: L. ; R: ; D: ; P: Retouched Edge Angle: L. ; R: ; D: ; P: Comments: Left cutting edge visible on ventral side Right cutting edge visible on dorsal side. May at one time have been a blade flake but distal end is now missing.Site and Number: P283/PIT "C"/Level 2 Date: NOV 15, 1990Location of Collection: Metaponto MuseumArtifact #: SF 139 Photo: _____Type: retouched blade fragment (cutting)Material: exotic - white (chert) Length (mm): > 17.4 Width: 19.2Thickness 6.4 Basal Width: Neck Width: Stem Length: Notch Width: Notch Depth: Bit Width: Bit Depth: Retouched Edges: Left: Right: Distal: Proximal: Retouched Edge Length: L. > 12.8 ; R: > 14.2 ; D: ; P: Retouched Edge Thick: L. 1.5 ; R: 1.1 ; D: ; P: Retouched Edge Angle: L. ; R: ; D: ; P: Comments: Coarsely retouched (barely bifacial) the right cutting edge shows more use than the left. Specimen is only part of an originally longer tool. It is convex-triangular in cross-section.

Site and Number: P283/PIT "D" / Level 1 Date: Nov. 15, 1990Location of Collection: Metaponto MuseumArtifact #: SF 158 Photo: _____Type: BIFACIAL BLADE fragment (cutting)Material: exotic-smoky grey (chert) Length (mm): > 29.1 Width: 11.5Thickness 4.5 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: Right: Distal: _____ Proximal: _____Retouched Edge Length: L. > 26.6 ; R: > 28.4 ; D: _____ ; P: _____Retouched Edge Thick: L. 4.5 ; R: 4 ; D: _____ ; P: _____

Retouched Edge Angle: L. _____ ; R: _____ ; D: _____ ; P: _____

Comments: Only the left cutting edge is truly bifacial. Therefore the retouching is most obvious on dorsal side. Originally part of a larger piece. It is "bi-plano" (or "rectangular edged") in X-section. Slightly asymmetrically concavo-convex in longitudinal section.

Site and Number: P283/PIT "D" / Level 2 Date: Nov. 15, 1990Location of Collection: Metaponto MuseumArtifact #: SF 170 Photo: _____Type: BIFACIAL BLADE fragment (cutting)Material: exotic-creamy (chert) Length (mm): > 37.5 Width: 12.7Thickness 4.8 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: Right: Distal: _____ Proximal: _____Retouched Edge Length: L. 31.5 ; R: 37.1 ; D: _____ ; P: _____Retouched Edge Thick: L. 4.2 ; R: 2.45 ; D: _____ ; P: _____

Retouched Edge Angle: L. _____ ; R: _____ ; D: _____ ; P: _____

Comments: Only the left cutting edge is truly bifacial. + right edge is retouched only on ventral side. Indeed most retouching occurs on this side. This is only part of an originally larger piece as distal end missing. Specimen is plano-triangular in X-section + asymmetrically concavo-convex in longitudinal section.

Site and Number: PZ83/PIT "D" / Surface Date: Nov. 15, 1990Location of Collection: Metaponto MuseumArtifact #: SF 171 Photo: _____Type: projectile pointMaterial: exotic-creamy (chert) Length (mm): 23.2 Width: 16.7Thickness 5.3 Basal Width: → Neck Width: —Stem Length: — Notch Width: — Notch Depth: —Bit Width: — Bit Depth: —Retouched Edges: Left: Right: Distal: _____ Proximal: _____Retouched Edge Length: L. 29.4; R: 24.7; D: _____; P: _____Retouched Edge Thick: L. 4.4; R: 4.5; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Triangular in overall shape, this specimen has an acuminate tip form & a concave (recessed) "base". It is asymmetrically bi-convex in X-section & asymmetrically excurvate in longitudinal section.

Site and Number: PZ83/PIT "E" / Level 1 Date: Nov. 15, 1990Location of Collection: Metaponto MuseumArtifact #: SF 186 Photo: _____Type: projectile pointMaterial: exotic-smokey grey (chert) Length (mm): 26.2 Width: 22.8Thickness 4.2 Basal Width: ? Neck Width: ?Stem Length: ? Notch Width: ? Notch Depth: 7.3 + 7.7Bit Width: — Bit Depth: —Retouched Edges: Left: Right: Distal: _____ Proximal: _____Retouched Edge Length: L. 27.5; R: 29.5; D: _____; P: _____Retouched Edge Thick: L. 2.5; R: 2.4; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Specimen has an acute tip form with excurvate blade form. It is plainly corner notched but too much of the stem is missing to identify form. Specimen is bi-convex in X-section & in longitudinal section.

Site and Number: PZ 83/PIT "C"/Level 1 Date: Nov. 12, 1990

Location of Collection: Metaponto EX-BANCA

Artifact #: _____ Photo: _____

Type: utilized (UT) flake (combo-cutting/scraping)

Material: local-dark green (chert) Length (mm): 32.1 Width: 36.2

Thickness 7 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: Right: Distal: _____ Proximal: _____

Retouched Edge Length: L. 7.5; R: 21.1; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Left edge occurs distally + more visible on ventral side.
A scraping edge. Right edge is for cutting, slightly
serrated + occurs beneath hinge fracture.

Site and Number: PZ 83/PIT "C"/Level 1 Date: Nov. 12, 1990

Location of Collection: Metaponto EX-BANCA

Artifact #: _____ Photo: _____

Type: utilized (UT) flake on unfinished drill form (combo-cut/scrape)

Material: local green (agate) Length (mm): 35 Width: 22.2

Thickness 9.1 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: 7.3 Bit Depth: 6.7

Retouched Edges: Left: _____ Right: UT Distal: UT Proximal: RT

Retouched Edge Length: L. _____; R: 14; D: 12.1; P: 7.7 (left) 5.2 (right)

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Bifacial retouching obvious to right + left of proximal striking
platform +, if successful, would have resulted in a drill. This did not
happen ∴ flake merely utilized for cutting along right edge +
scraping along distal edge.

Site and Number: PZ83/PIT "C" / Level 1 Date: Nov. 12, 1990

Location of Collection: Metaponto EX-BANCA

Artifact #: _____ Photo: _____

Type: retouched flake fragment (scraper)

Material: local-red (jasper) Length (mm): 25.6 Width: 26.9

Thickness 7.3 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: _____ Right: Distal: Proximal: _____

Retouched Edge Length: L. _____; R: >9; D: _____; P: _____

Retouched Edge Thick: L. _____; R: 2.4; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: This specimen would have been a scraper. It is now broken & the short! distally right edge is all that remains.

Site and Number: PZ83/PIT "C" / Level 1 Date: Nov. 12, 1990

Location of Collection: Metaponto EX-BANCA

Artifact #: _____ Photo: _____

Type: graver (blunted & broken - slightly water worn)

Material: exotic-white (chert) Length (mm): 17 Width: 18.7

Thickness 4.3 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

^{Beak} Bit Width: 6.5 ^{Beak} Bit Depth: 3.4

Retouched Edges: Left: _____ Right: Distal: Proximal:

Retouched Edge Length: L. _____; R: _____; D: 16.3; P: 9.3

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: The bit of the graver is central along right edge. The distal portion of the retouching is longer than the proximal portion. - made up of part of the worked stem.

Site and Number: PZ83/PIT "D" / Level 1 Date: Nov. 12, 1990

Location of Collection: Metaponto Ex-BANCA

Artifact #: _____ Photo: _____

Type: utilized (UT) flake (cutting)

Material: local-red (jasper) Length (mm): 32.7 Width: 24.7

Thickness 8.1 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

^{UT}Retouched Edges: Left: Right: _____ Distal: _____ Proximal: _____

^{UT}Retouched Edge Length: L. 16.4; R: _____; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Dorsal side actually constitutes the cortex of the original raw cobble. The used edge is for cutting.

Site and Number: PZ83/PIT "D" / Level 1 Date: Nov. 12, 1990

Location of Collection: Metaponto Ex-BANCA

Artifact #: _____ Photo: _____

Type: utilized (UT) flake. (cutting)

Material: local-red (jasper) Length (mm): 41.2 Width: 27.8

Thickness 11.9 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

^{UT}Retouched Edges: Left: Right: _____ Distal: Proximal: _____

^{UT}Retouched Edge Length: L. _____; R: _____; D: 15.9; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Cutting use wear evident at distal end of left edge on dorsal side. Evident spalling along cortex edge @ right (both dorsal + ventral sides) may be preparation or just some other form of battering.

Site and Number: PZ 83/PIT "D"/Level 1 Date: Nov. 12, 1990

Location of Collection: Metapano Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (UT) flake (scraping)

Material: local-red (jasper) Length (mm): 27.7 Width: 17.9

Thickness 6.7 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: _____ Right: Distal: Proximal: _____

Retouched Edge Length: L. _____; R: 7; D: 5.2; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Both right + distal edges join to form one continuous scraping edge, evident on dorsal side.

Site and Number: PZ 83/PIT "D"/Level 2 Date: Nov. 12, 1990

Location of Collection: Metapano Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (UT) flake (scraping)

Material: exotic-buff (chert) Length (mm): 36.7 Width: 23.1

Thickness 17.4 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: Right: Distal: _____ Proximal: _____

Retouched Edge Length: L. 21.8/6.7; R: 14.9; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Both used edges have been used for scraping, + most wear is visible on dorsal side. The left edge is sub-divided into two worked surface (one long, one much shorter). The right edge

Site and Number: PZ83/PIT "D" / Level 6 Date: Nov. 12, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: retouched flake / spoke shave

Material: local - banded green (chert) brown Length (mm): 37.3 Width: 16.5

Thickness 12 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: Right: _____ Distal: _____ Proximal: _____

Retouched Edge Length: L. 30.4 ; R: _____ ; D: _____ ; P: _____

Retouched Edge Thick: L. 2.7 ; R: _____ ; D: _____ ; P: _____

Retouched Edge Angle: L. _____ ; R: _____ ; D: _____ ; P: _____

Comments: Retouching is evident on ventral side. The tool itself is slightly convex in form & may constituted a variety of curved scraper that acted like a spokeshave (ie. for the smoothing/shaping of shafts, handles, dowels, etc). Specimen has textbook example of a Hertzian cone of percussion (v may be

Site and Number: PZ83/PIT "E" / Surface Date: Nov 12, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (UT) flake. (cutting)

Material: local - green (chert) Length (mm): 32.1 Width: 25.5

Thickness 9.8 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: _____ Right: Distal: _____ Proximal: _____

Retouched Edge Length: L. _____ ; R: 16.1 + 7.9 ; D: _____ ; P: _____

Retouched Edge Thick: L. _____ ; R: _____ ; D: _____ ; P: _____

Retouched Edge Angle: L. _____ ; R: _____ ; D: _____ ; P: _____

Comments: Right cutting edge is divided into 2 wear surfaces - one longer (proximal end) & the other shorter (@ distal end). Another textbook eg. of a Hertzian cone as well as hinge fracture.

Site and Number: PZ 83 / PIT "E" / Surface Date: Nov. 12, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (UT) flake (cutting)

Material: local-green (chert) Length (mm): 16.8 Width: 14.8

Thickness 4.1 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

^{UT} Retouched Edges: Left: _____ Right: Distal: Proximal: _____

^{UT} Retouched Edge Length: L. _____; R: 9; D: 11; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Both used edges are for cutting. The right edge shows an intensive localization of wear on ventral side. The distal edge is only lightly used.

Site and Number: PZ 85 / PIT "E" / Level 3 Date: Nov-12, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (UT) flake (cutting)

Material: exotic-banded grey/red (chert) Length (mm): 27.1 Width: 21

Thickness 5.2 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

^{UT} Retouched Edges: Left: Right: _____ Distal: _____ Proximal: _____

^{UT} Retouched Edge Length: L. 19.7; R: _____; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Cutting edge particularly visible on ventral side. Dorsal side is cortex of original raw cobble

LIITHIC ARTIFACT RECORD FORM

Site and Number: P283/PIT "C"/Level 1 Date: NOV. 12, 1990

Location of Collection: Metaponto EX-BANCA

Artifact #: _____ Photo: _____

Type: utilized (UT) core (scraping)

Material: local - red (jasper like) Length (mm): 34 Width: 21.7

Thickness 11.6 Basal Width: — Neck Width: —

Stem Length: — Notch Width: — Notch Depth: —

Bit Width: — Bit Depth: —

Retouched Edges: Left: — Right: Distal: Proximal: —

Retouched Edge Length: L. —; R: 9.1; D: —; P: —

Retouched Edge Thick: L. —; R: —; D: —; P: —

Retouched Edge Angle: L. —; R: —; D: —; P: —

Comments: Scraping function. Use scars most visible on ventral side.

Site and Number: P283/PIT "C"/Level 1 Date: NOV. 12, 1990

Location of Collection: Metaponto EX-BANCA

Artifact #: _____ Photo: _____

Type: retouched (RT) core (scraping)

Material: exotic-grey chert Length (mm): 28.6 Width: 30.4

Thickness 12.1 Basal Width: — Neck Width: —

Stem Length: — Notch Width: — Notch Depth: —

Bit Width: — Bit Depth: —

Retouched Edges: Left: Right: — Distal: — Proximal: —

Retouched Edge Length: L. 16.5; R: —; D: —; P: —

Retouched Edge Thick: L. 1.6; R: —; D: —; P: —

Retouched Edge Angle: L. —; R: —; D: —; P: —

Comments: Exhausted core. Flake scars primarily visible on dorsal side. Retouching has changed an original cutting flake into a scraping tool. Retouching is unifacial on dorsal side.

Site and Number: P283/PIT "E"/Level 3 Date: Nov. 15, 1990Location of Collection: Metapunta MuseumArtifact #: SF 200 Photo: _____Type: utilized (UT) BLADE (cutting)Material: exotic-obsidian Length (mm): 23.5 Width: 9.5Thickness 2.6 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: ^{UT} Right: Distal: _____ Proximal: _____Retouched Edge Length: L. ^{UT} 7.3/3; R: 21.8; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: left cutting edge in 2 parts - proximally visible on ventral side for shorter edge while longer distal edge is bifacially apparent
The right edge has only been very lightly used. Specimen is complete
& is trapezoidal in x-section + asymmetrically concavo-convex in long. sect

Site and Number: P283/PIT "E"/Level 3 Date: Nov. 15, 1990Location of Collection: Metapunta MuseumArtifact #: SF 201 Photo: _____Type: utilized (UT) BLADE (cutting)Material: exotic-obsidian Length (mm): 31 Width: 8.4Thickness 2.6 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: ^{UT} Right: Distal: _____ Proximal: _____Retouched Edge Length: L. ^{UT} 28.8; R: 23.2; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Utilization of these cutting edges is most apparent on dorsal side. + use is more or less continuous. Specimen is complete. It is triangular in cross-section + a backwards "egg(s)" concavo-convex in long. section.

LITHIC ARTIFACT RECORD FORM

Site and Number: P283/PIT "BB" / Level 2 Date: Nov. 16, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: retouched flake (scraping)

Material: exotic - white (chert) Length (mm): 17.4 Width: 20.2

Thickness 3.9 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: _____ Right: Distal: _____ Proximal: _____

Retouched Edge Length: L. _____; R: 10.3; D: _____; P: _____

Retouched Edge Thick: L. _____; R: 2.2; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Scraping edge retouched just right & below striking platform

Site and Number: P283/PIT "BB" / Level 3 Date: Nov. 18, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (cut) flake (cutting)

Material: exotic - brown (chert) Length (mm): 13.5 Width: 17.5

Thickness 3.3 Basal Width: _____ Neck Width: _____

Stem Length: _____ Notch Width: _____ Notch Depth: _____

Bit Width: _____ Bit Depth: _____

Retouched Edges: Left: Right: Distal: _____ Proximal: _____

Retouched Edge Length: L. 11.7; R: _____; D: _____; P: _____

Retouched Edge Thick: L. _____; R: _____; D: _____; P: _____

Retouched Edge Angle: L. _____; R: _____; D: _____; P: _____

Comments: Cutting wear visible on dorsal side

LITHIC ARTIFACT RECORD FORM

Site and Number: P283/PIT "BB" / Level 2 Date: NOV 16, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (cut) flake (cutting)

Material: exotic - caramel (chert) Length (mm): 32 Width: 21

Thickness 11.2 Basal Width: Neck Width:

Stem Length: Notch Width: Notch Depth:

Bit Width: Bit Depth:

^{UT} Retouched Edges: Left: Right: Distal: Proximal:

^{UT} Retouched Edge Length: L. 27 ; R: ; D: ; P:

Retouched Edge Thick: L. ; R: ; D: ; P:

Retouched Edge Angle: L. ; R: ; D: ; P:

Comments: Cutting use wear visible on dorsal side

Site and Number: P283/PIT "BB" / Level 2 Date: NOV 16, 1990

Location of Collection: Metaponto Ex-banca

Artifact #: _____ Photo: _____

Type: utilized (cut) flake (cutting)

Material: exotic - dark grey (chert) Length (mm): 30 Width: 30.4

Thickness 8.8 Basal Width: Neck Width:

Stem Length: Notch Width: Notch Depth:

Bit Width: Bit Depth:

^{UT} Retouched Edges: Left: Right: Distal: Proximal:

^{UT} Retouched Edge Length: L. 15.2 ; R: 27.8 ; D: ; P:

Retouched Edge Thick: L. ; R: ; D: ; P:

Retouched Edge Angle: L. ; R: ; D: ; P:

Comments: Both cutting edges are heavily worn & occur primarily at distal end of flake, visible on ventral side.

Survey

Waterloo
Ont

Joanne Freck
- Wilfrid Laurier U
Dept of Classics
"Roman Jars"
bellinista samples

Photographic documentation

Type Picture

Lekane complet etc

Evan Hall
McMaster's
Dept of Classics
Hamilton
Ont
Lamps

Ideal - parts of each form
(type 2, 3 etc) within each
vessel type -

Old items limit to be...

Group shots

Variety of size

Multi-base




FARMHOUSE LOWEST LEVEL

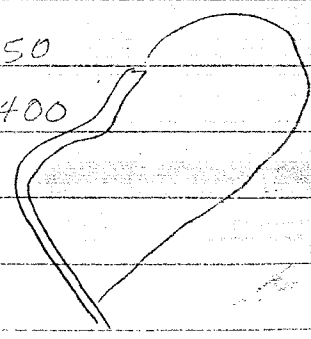
1978) 40, 45, 46, 66-89, 91, 104-111, 459-461
464-466, 468-470, 528, 560, 565, 659
642-645, 648, 682, 685-688
868, 876, 880, 882

SPRING WELL

1977 - 846, 1051, 1057, 1058, 1060, 1061, 1067
1100, 1102, 106, 1141, 1144, 1151, 868, 876, 880, 882
1978 - 420, 429
1982 270, 282, 342, 348
400, 407, 450, 493, 499
500, 501, 503, 505-510, 513-515, 528, 560, 565,
682, 685-688, 642, 645, 648, 659

- CLASS
- 1 Black Glaze
 - 2 Table
 - 3 Cook
 - 4 Amphora / Storage
 - 5 Black Glaze Figured
 - 6 Black Glaze Decorated
 - 7
 - 8
 - 9

- FORM
1. Hydria Rim - Types 9 580-520 Reliability 1 Most 9 Least
 2. Deep Basin - Rims Types 3 -
 3. Aryballos Rims T-1 600-520
 4. Hydria / Jug Rims T-6 - 580-520
 5. Lebes Gamikos Rims - Typ 3 Type 1 - 580-500 Type 2 - 580-500 Type 3 - 400-3
 6. Pelike Rims - Type 2 500 450 Type 3 500-40
 7. Table Amphora Rims - Type 1 500-400
 - Type 7 500-280
 - Type 8 450-280
 - Type 9 450-280
 - Type 10 450-280
 - Type 2
 - Type 3 450-280 -
 - Type 4 450-280
 - Type 5 450-350
 - Type 6 450-350
 - 8  Type 1 Type 2 550-450
 - * 9  Type 1 * enter date 580-400
 - 10  Type 1 520-400
 11. Plate / Lekani Type 2 440-280
 12. Lekani / Basins Type 2 - 550-450
 - Type 3 580-520 Almond Shape Rim



T. 1/2

FORM 13

Lekane

Type 1

- series of grooves on rim top

Type 2

Type 3

550 - 400 (475)

Type 4

550 - 400

Type 5

" - "

Type 6

500 - 400

Type 7

500 - 300

Type 8

550 - 400

Type 9

~~550~~ - 280

Type 10

400 - 280

Type 11

400 - 280

Type 12

400 - 280

F.

14

Lekythos

Type 1

500 - 300

Type 2

15

Basin

Type 1

550 - 400

EF. Pantanello Nec (T. 218.) = PZT

Cozzo Presepe = CP

Pizzica = PZ

METCROT 1 = Metaponta

2 = Clotone

Diam 99.9 = missing

SRM 16	INDIGENOUS	TYPE 1	650-550	Type 8
		- BASE	" "	Type 9
		TYPE 2 Rim		Type 10
		TYPE 3 Urn Rim	700-600	Type 11
		TYPE 4 Urn Rim	700-600	
		Type 5 Rim (Basin)	700-600	

Cover Bowl) Type 7

17	DEINOS	Type 1	550-400
		Type 2	580-400
		Type 3	580-400
		Type 4	580-520


18	INDIG?	Type 1	600-500	Type 4	odd
		Type 2	600-500		
		Type 3	650-550		

19	Flanged Lekane/Bowls	Type 1	580-450	Type 5	580-400
		Type 2	580-450		
		Type 3	500-300		
		Type 4	550-400		

20 Chyttra Jugs - Table Ware

21	Plate	Type 1	580-400
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Chytra

F 2M 22 Cook  Type 1 350 - 280

Angular Rim Chytira Type 2 350 - 280

Type 3 550 - 450

Type 4 580 - 500

Type 5 550 - 450

Type 6 550 - 400

Type 7 580 - 500

23 Cook Dish Type 1 550 - 400

Type 2 550 - 400

24 Cook Casserole Type 1 320 - 280

Type 2 " "

Type 3 320 - 280

Type 4 320 - 280

Type 5 450 - 350

Type 6 450 - 350 earlier - 500+

25 Cook Chytira Type 1 500 - 300

Type 2 500 - 300

Type 3 " "

Type 4 350 - 280

Type 5 320 - 280

26 Cook Odd Types

27 Mortars Rim Type 1 500 - 350 - Yellow / Base Type 8

Rim Type 2 400 - 280 - Base Type 9

Base Type 3 400 - 280 - Base Type 10

Rim Type 4 - - - Base Type 11

Rim Type 5

Rim Type 6

Yellow

F 8

Storage Basin Poles Type 1

Storage Base Amph. Type 2

Basin Base Type 3

Basin Base Type 4

F29

Pithos Type 1

Pithos/Basin Type 2

Type 3

Pithos Rim Type 4

Pithos Rim Type 5

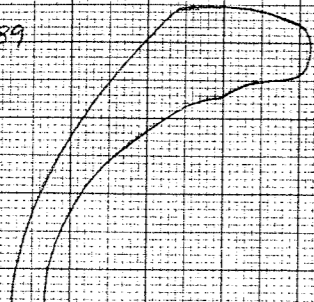
" " Type 6

" " Type 7

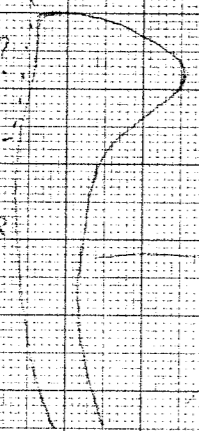
Type 8

JUG

82-589
Ø 14
5YR 7/4

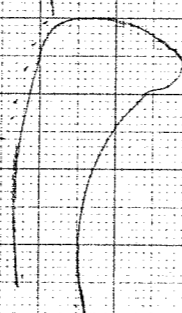


77-486
Ø 30.2
10YR 8/3
5YR 6/8

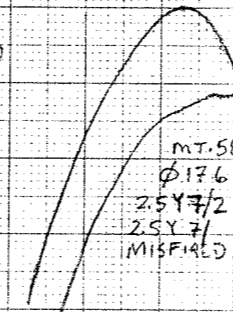


Glaze 2.5YR
5/6

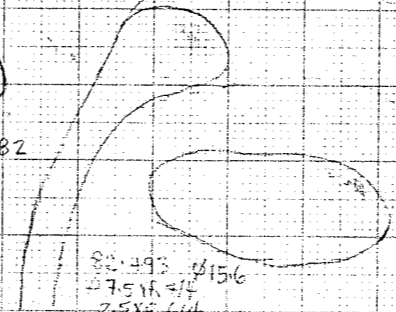
77-572 c
Ø 24.2
10YR 8/3
Core 5YR 7/8
Glaze
2.5Y 6/6



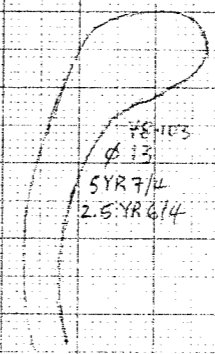
MT. 582
Ø 17.6
2.5Y 7/2
2.5Y 7/1
MISFIRE



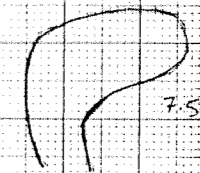
82-493 Ø 15.6
5YR 7/4
2.5YR 6/4
77-572
Ø 16.4
5YR 7/4
7/3



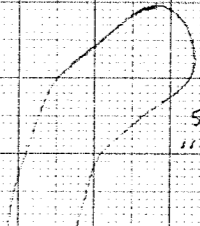
77-103
Ø 13
5YR 7/4
2.5YR 6/4



77-486
Ø 21.2
7.5YR 7/4

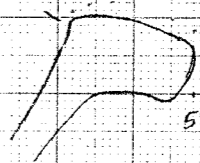


77-474
Ø 18
5YR 7/6
6/8



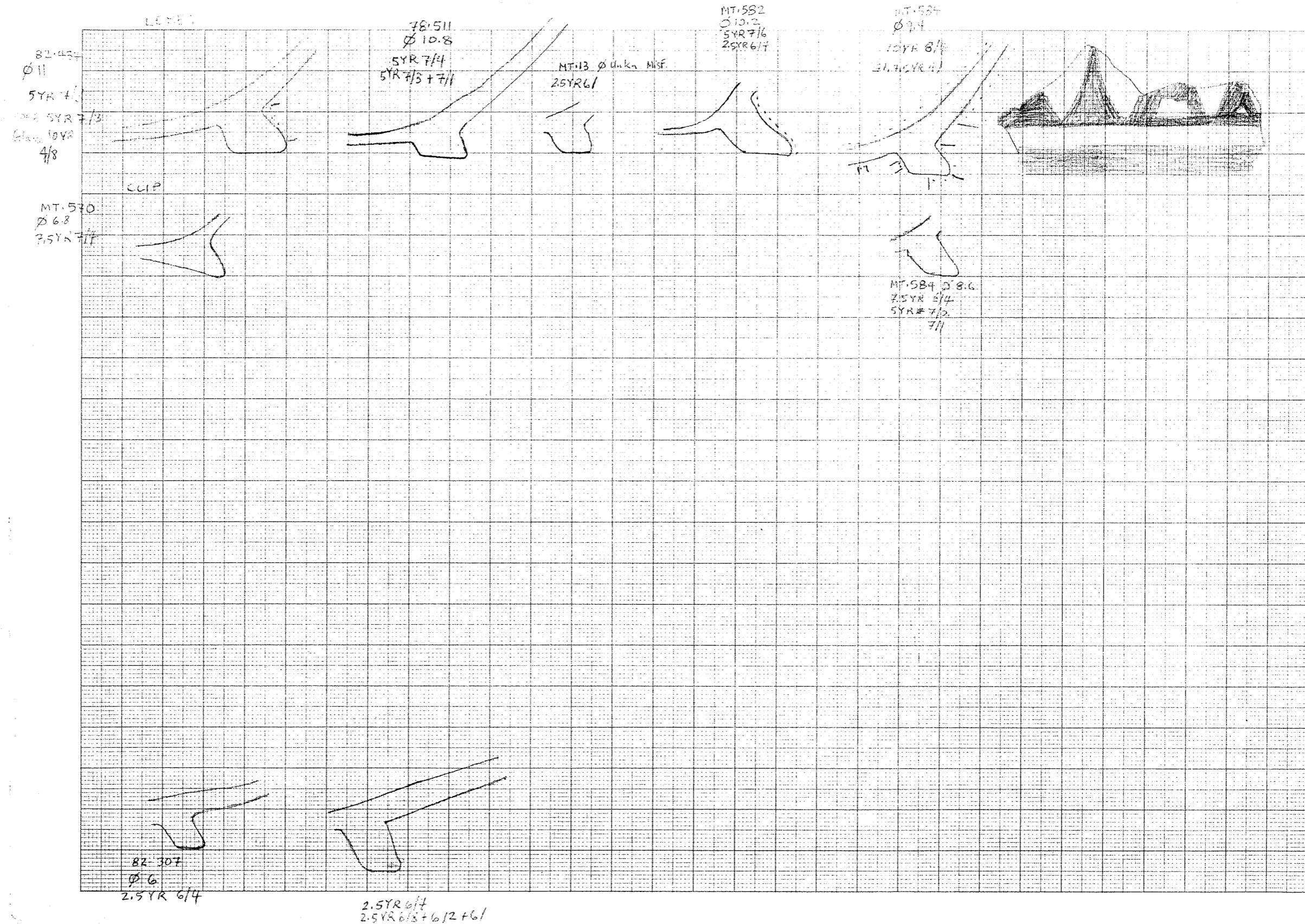
Sandy incl.
(10YR 4/2)

MT.
582
Ø 16.4
5YR 7/4



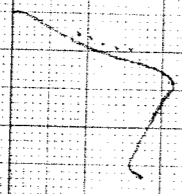
77-105
Ø 28
2.5YR 6/4
6/8
Sandy incl.



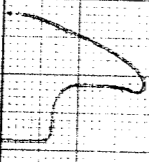


LDS

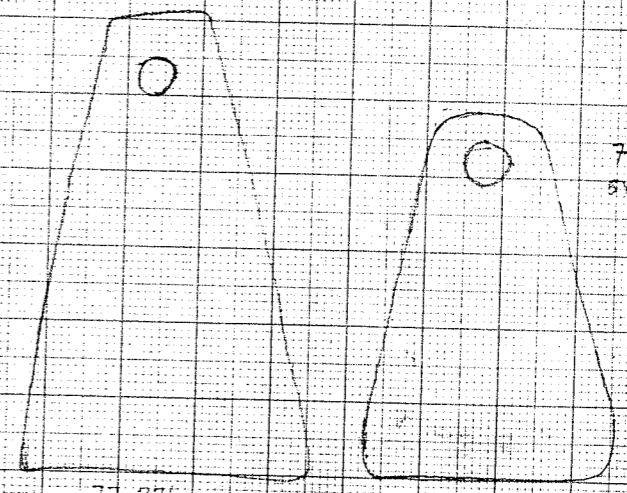
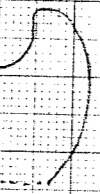
82.24
L1 SYR 7/4
L17.5YR 7/1



77.507B
5YR 7/6



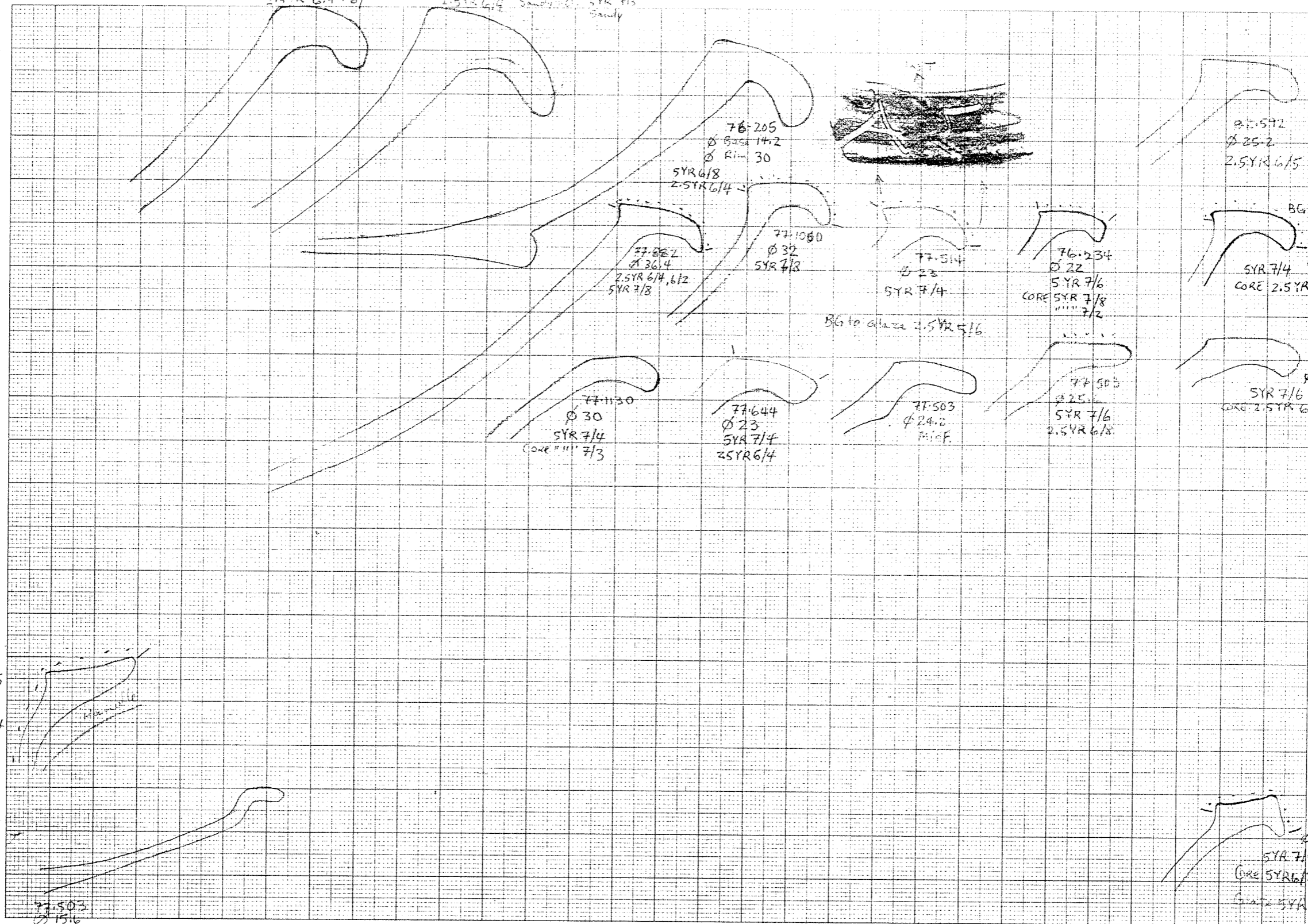
77.507A
7.5YR 7/6
7.5YR 6/4



77.1141
5YR 7/4
7/6

71.826
5YR 7/4, 7/6
2.5YR 6/2, 5/1

77-430 Ø 34 Sandstone, 77-1151 Ø 31.6 + 77-1141 Ø 33
 75YR 7/6 2.5YR 6/4 + 6/1 5YR 7/4 2.5YR 6/4 + 5YR 7/4
 2.5YR 6/4 + 6/1 Sandstone 5YR 7/3 Sandy



77-545
 Ø 40
 75YR 6/4
 " " 6/1
 CORE

77-503
 Ø 15.6
 5YR 7/4
 " " 6/3

77-503
 Ø 25.4
 5YR 7/4
 CORE 5YR 6/2
 Core 5YR 5/3

77-1130
 Ø 30
 5YR 7/4
 CORE " " 7/3

77-644
 Ø 23
 5YR 7/4
 2.5YR 6/4

77-503
 Ø 24.2
 mic.F.

77-503
 Ø 25.6
 5YR 7/6
 2.5YR 6/8

77-644
 Ø 25.6
 5YR 7/6
 CORE 2.5YR 6/3

77-822
 Ø 26.4
 2.5YR 6/4, 6/2
 5YR 7/8

77-1080
 Ø 32
 5YR 7/8

77-514
 Ø 22
 5YR 7/4

77-234
 Ø 22
 5YR 7/6
 CORE 5YR 7/8
 " " 7/2

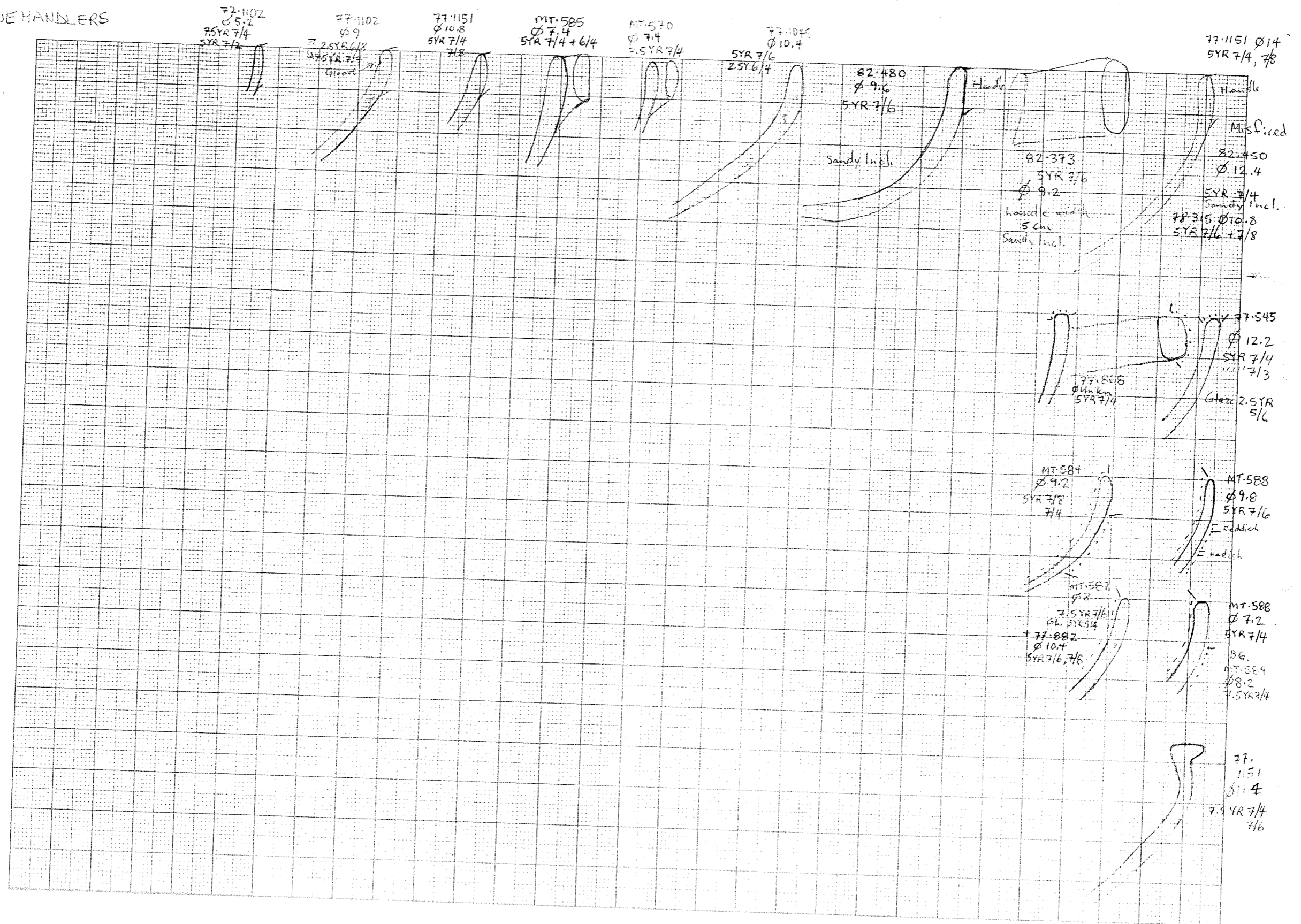
BG
 77-737
 Ø 26.2
 5YR 7/4
 CORE 2.5YR 6/3

5YR 6/8
 2.5YR 6/4

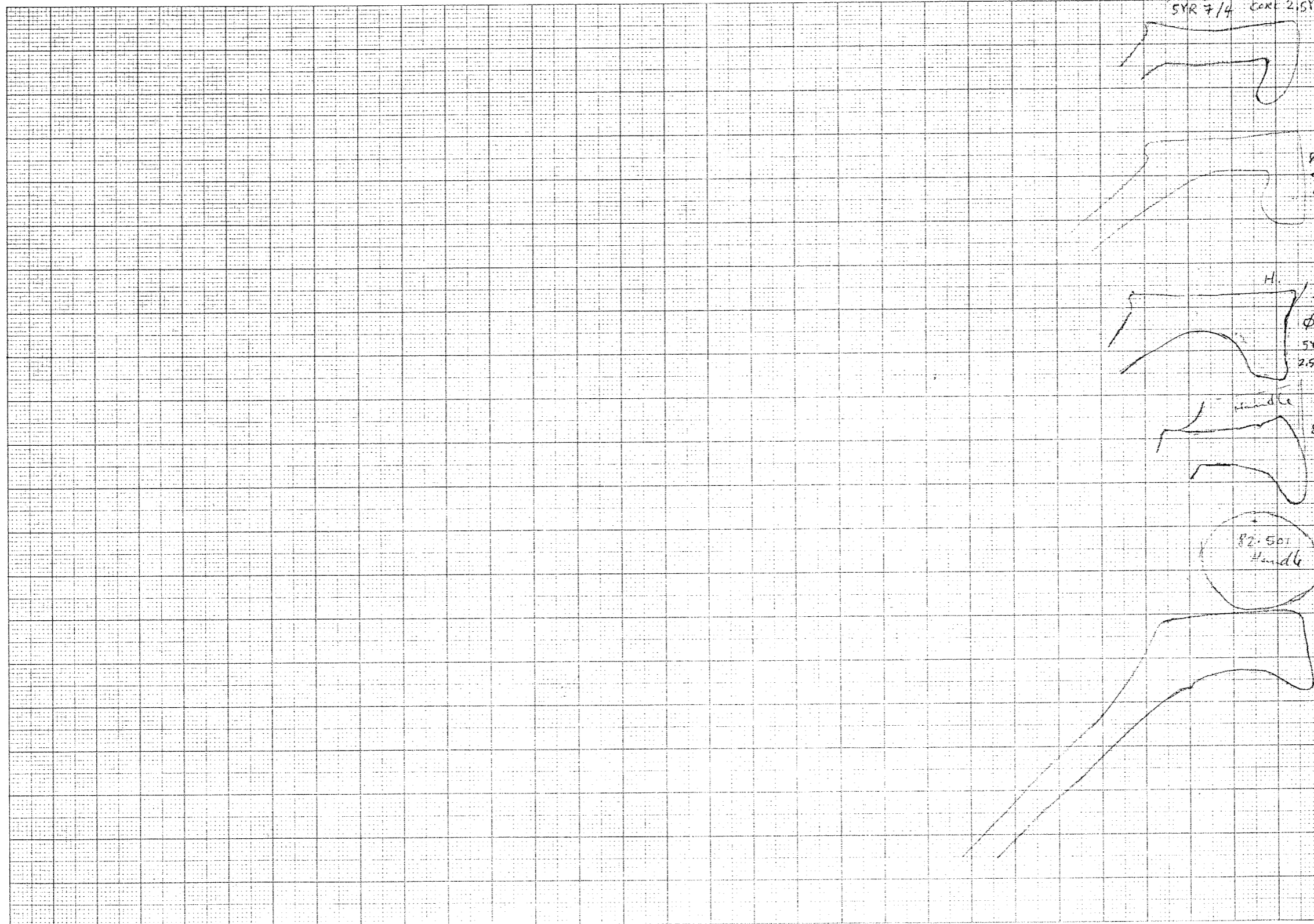
76-205
 Ø 25.2
 Ø R= 30

81-572
 Ø 25.2
 2.5YR 6/5

ONE HANDLERS



LEKANE



77.572
Ø 38.4
SYR 7/4 CORE 2.5YR 6/2

77.514 D
Ø 41.8
SYR 7/6
CORE
SYR
7/3

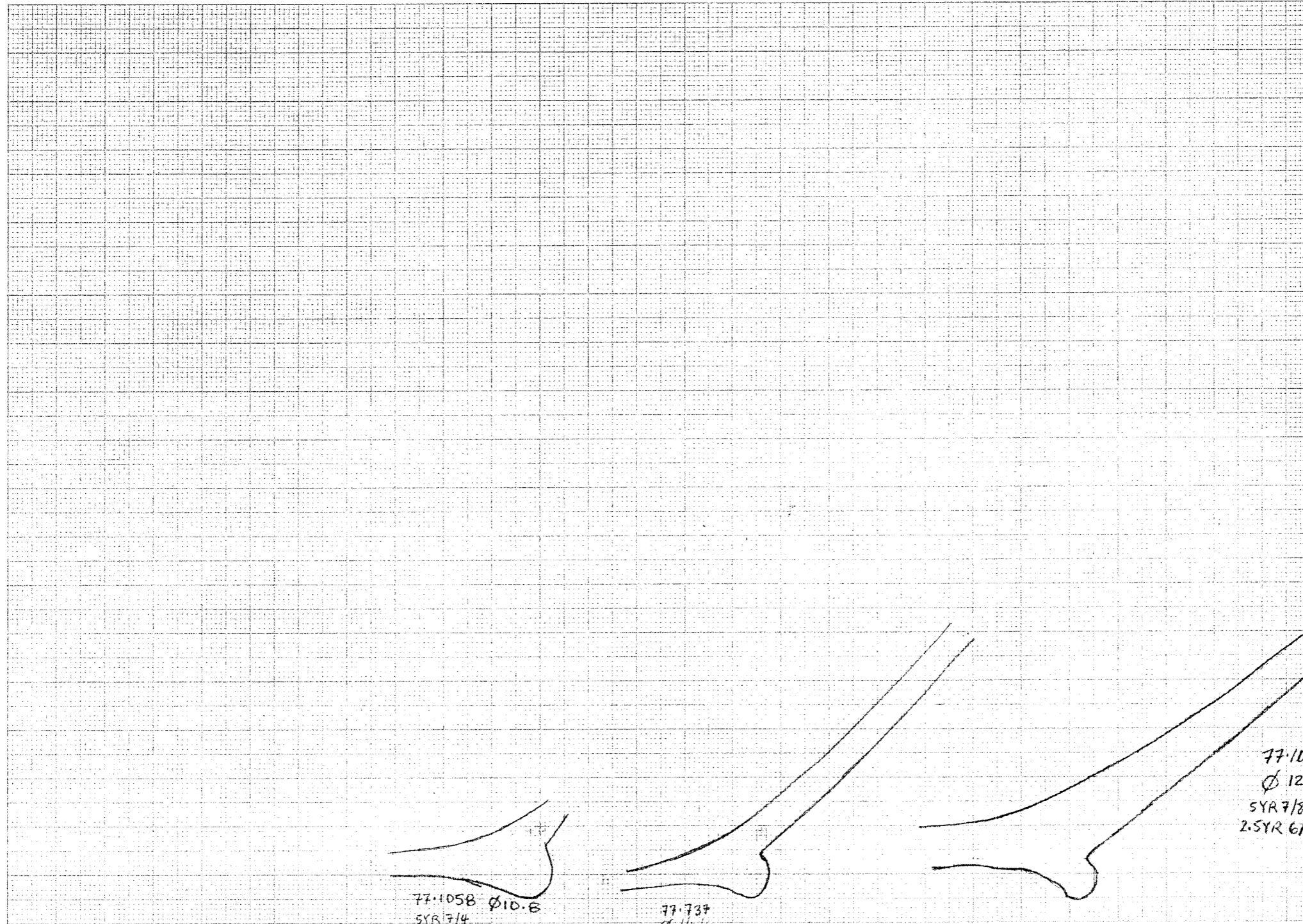
H.
77.1075
Ø 49
SYR 7/4
2.5YR 6/4

Handle
82.501
Ø 37.6
SYR 7/6
TOR 6/2

82.501
Handle

MT. 582
Ø 48
SYR 7/6
7/4

BASES (JUGS/LEKANE)



77-1058 Ø10.8
SYR 7/4
7/3

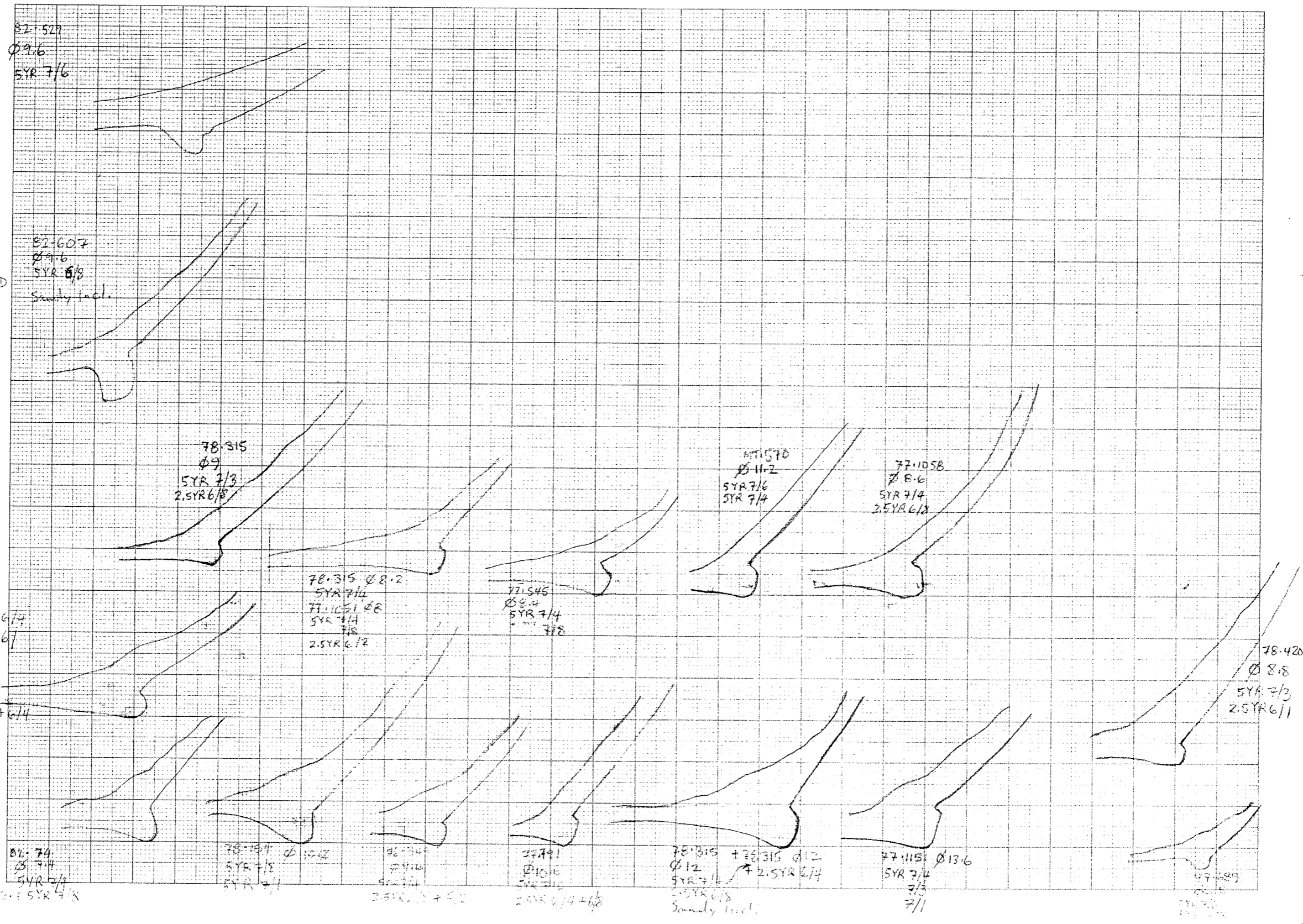
77-737
Ø 10.6
2.5YR 6/6
" 6/2+6/8

77-1072
Ø 12.8
SYR 7/8
2.5YR 6/2 + 6/1

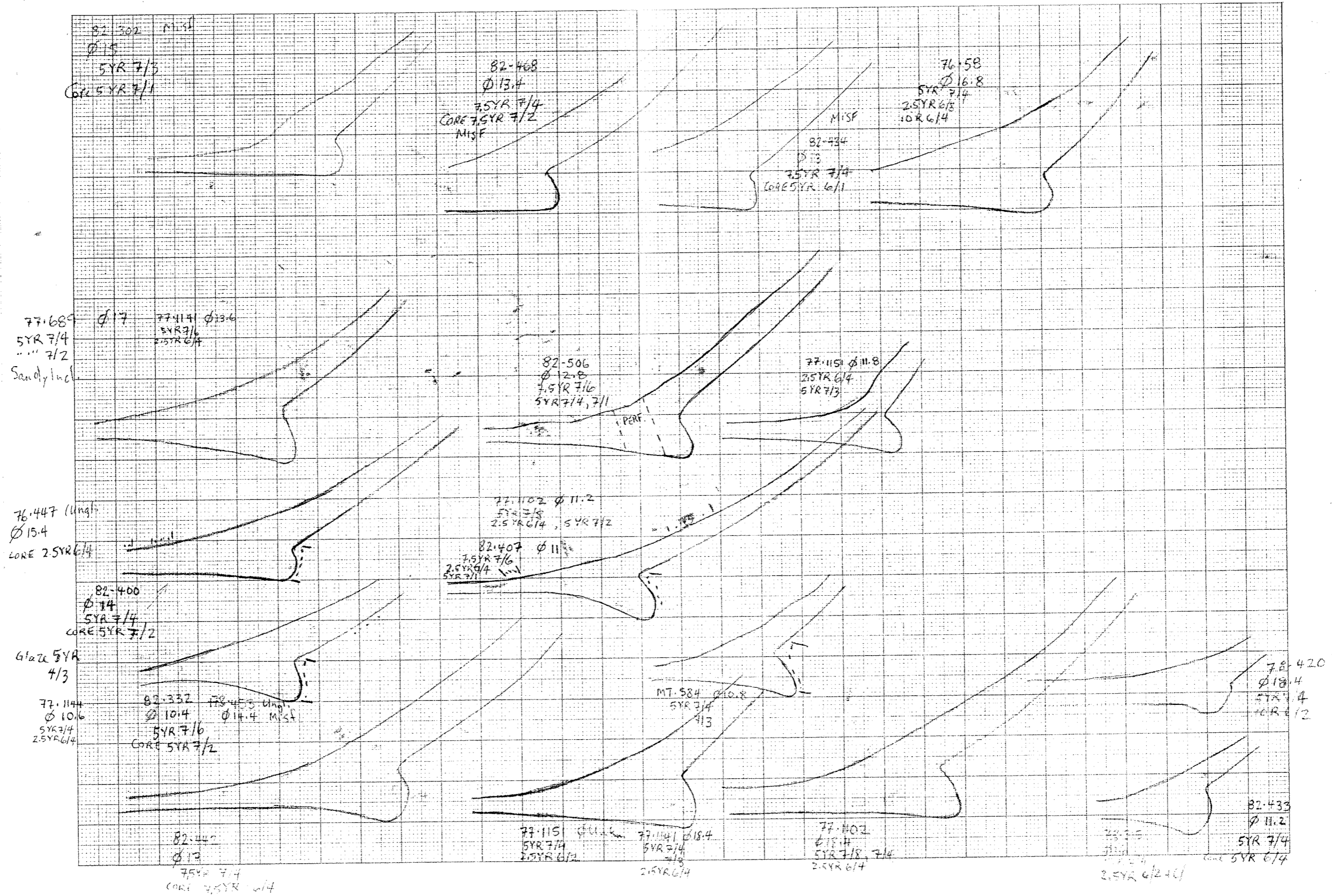
DIV. 44 208-100 mm

BASES (JUGS)

CLOSED



3ASES (LEKANE, CARINATED BOWLS)



BASE: (TABLE JUGS)

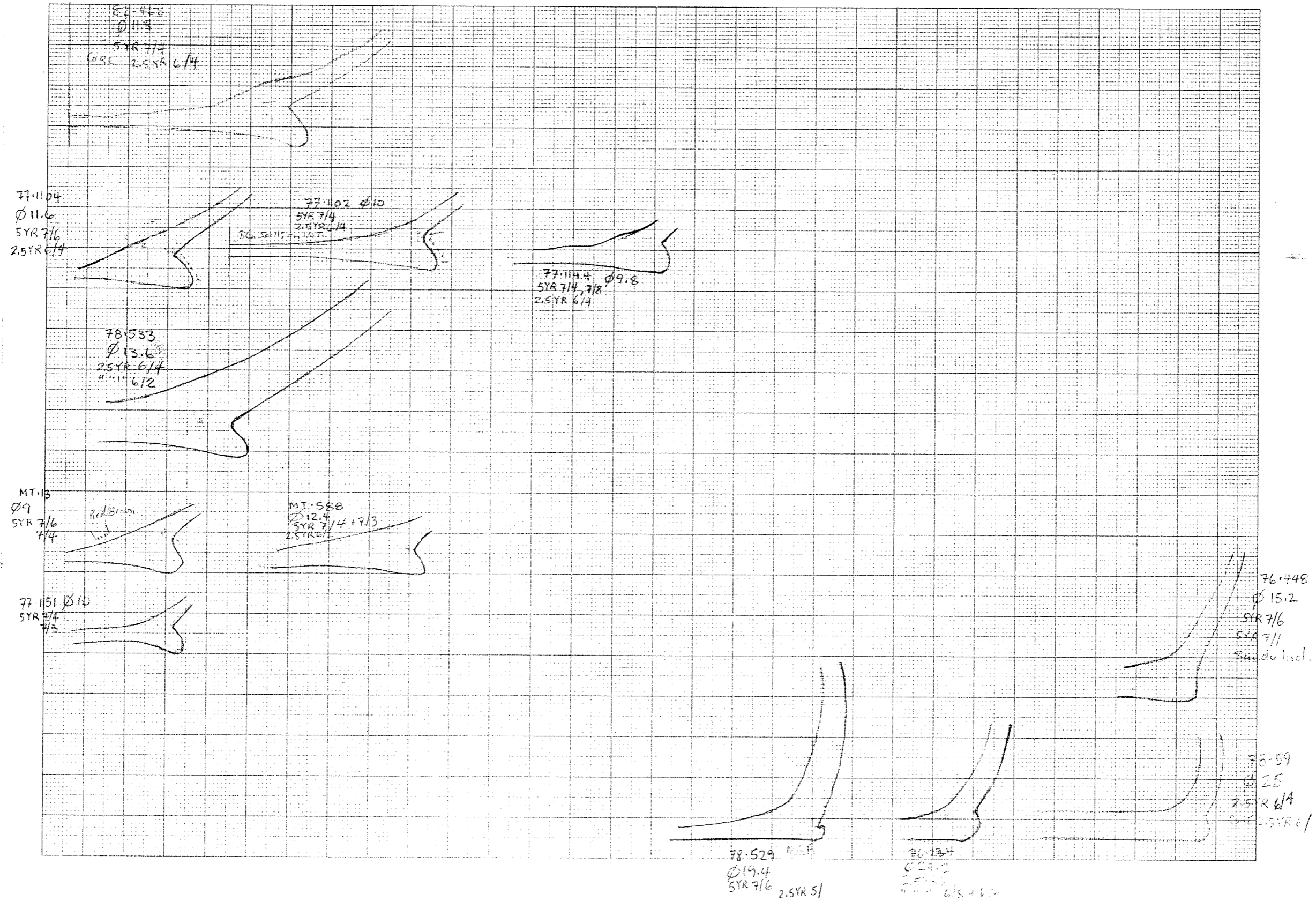
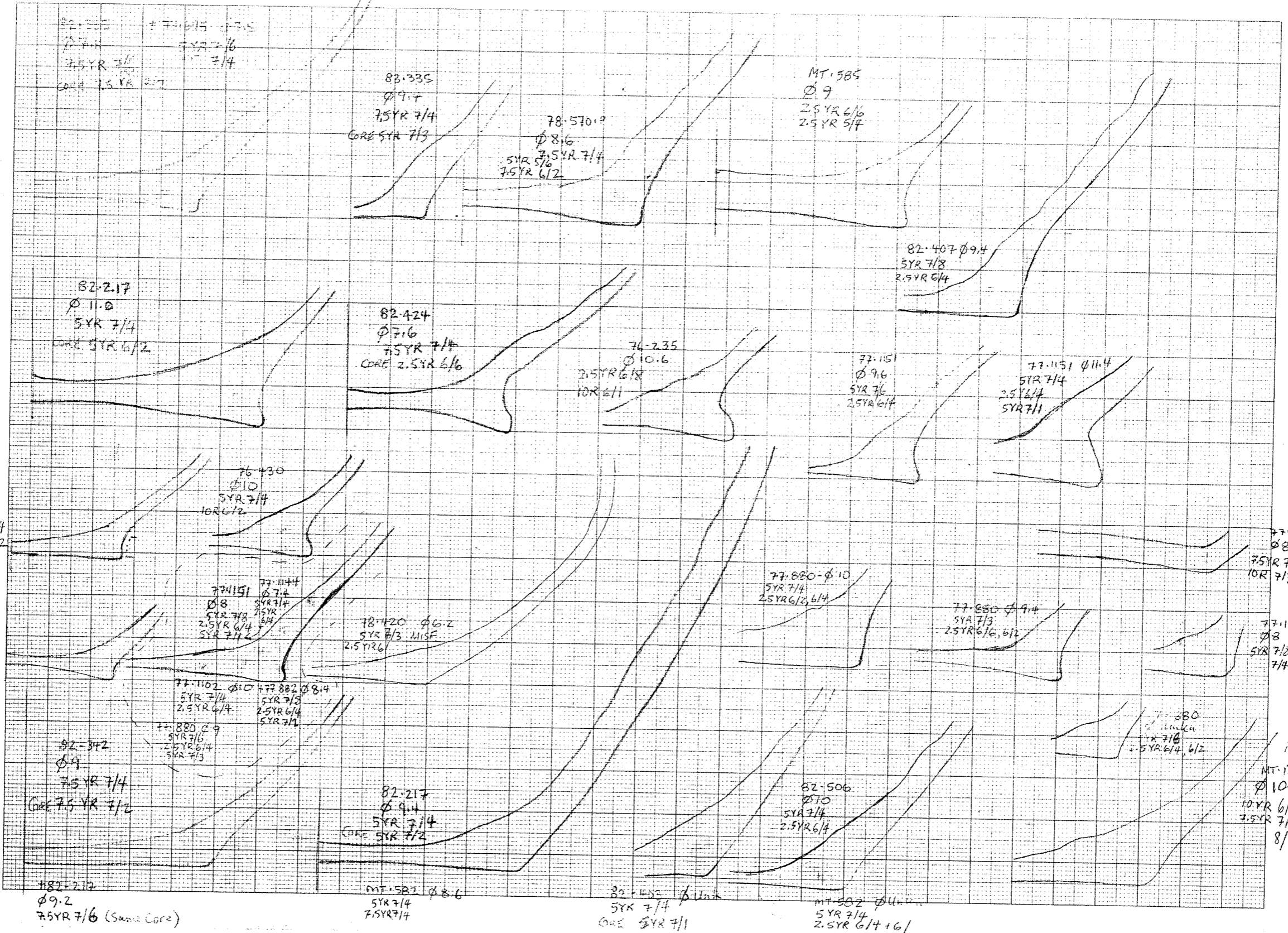
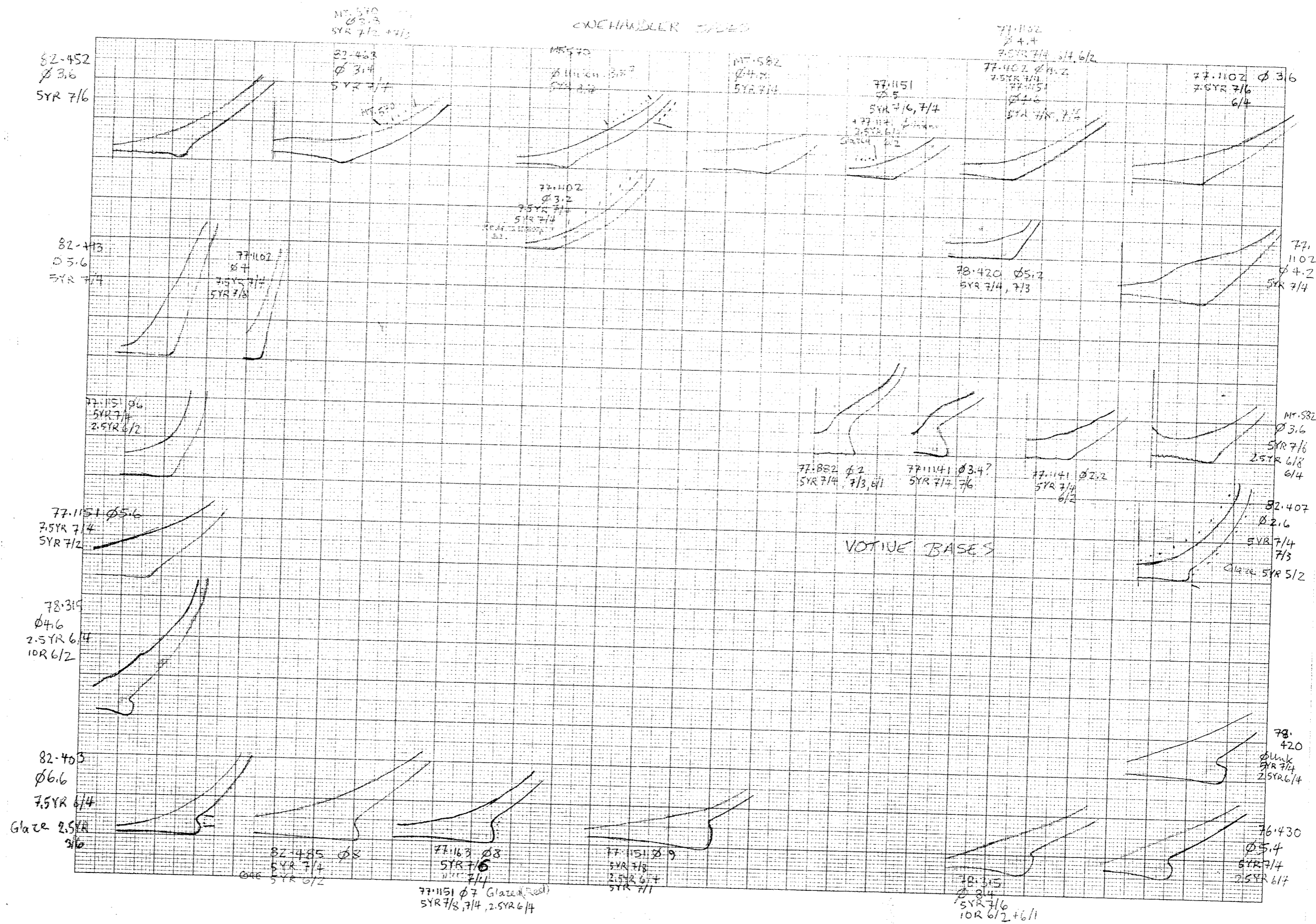


TABLE 5.0 (PARTIAL)



CWEHANDLER 27250

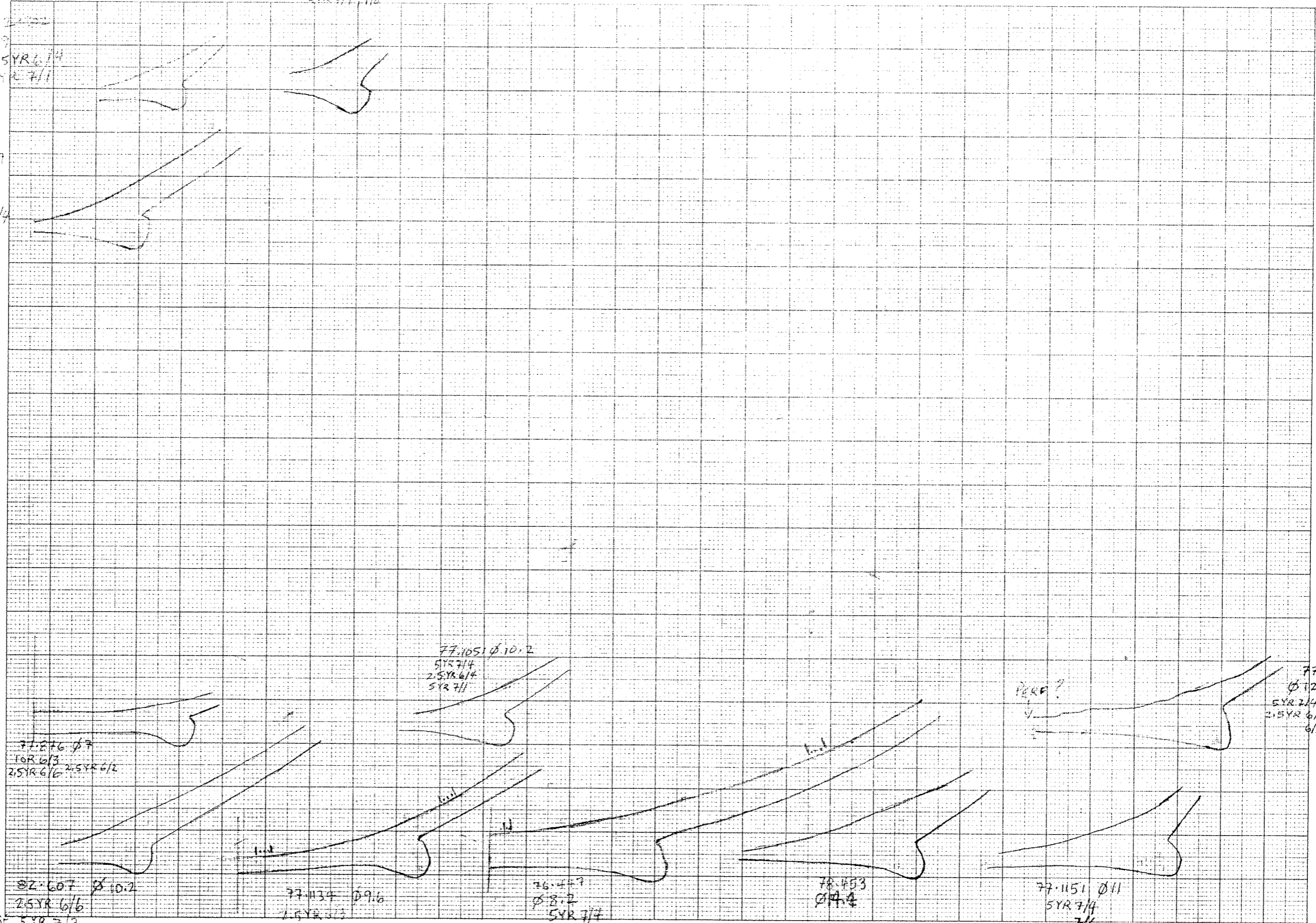


BATH

76.420 ϕ 9.1
5YR 7/4, 7/8

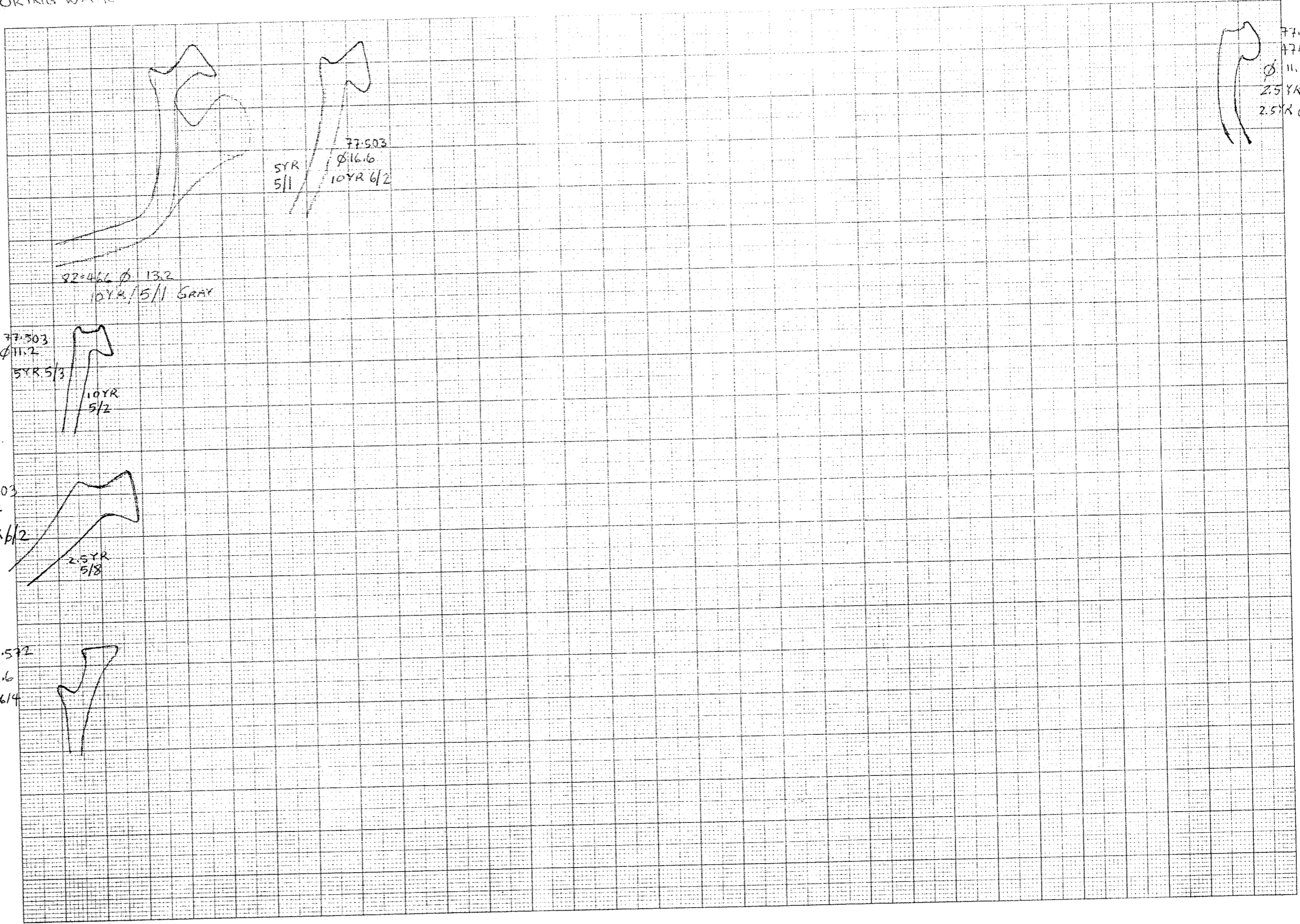
76.349
5YR 7/4
2.5YR 6/4

76.349
5YR 7/4
2.5YR 6/4

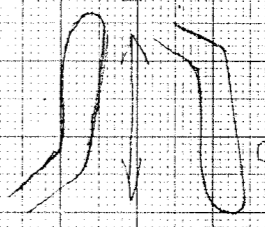
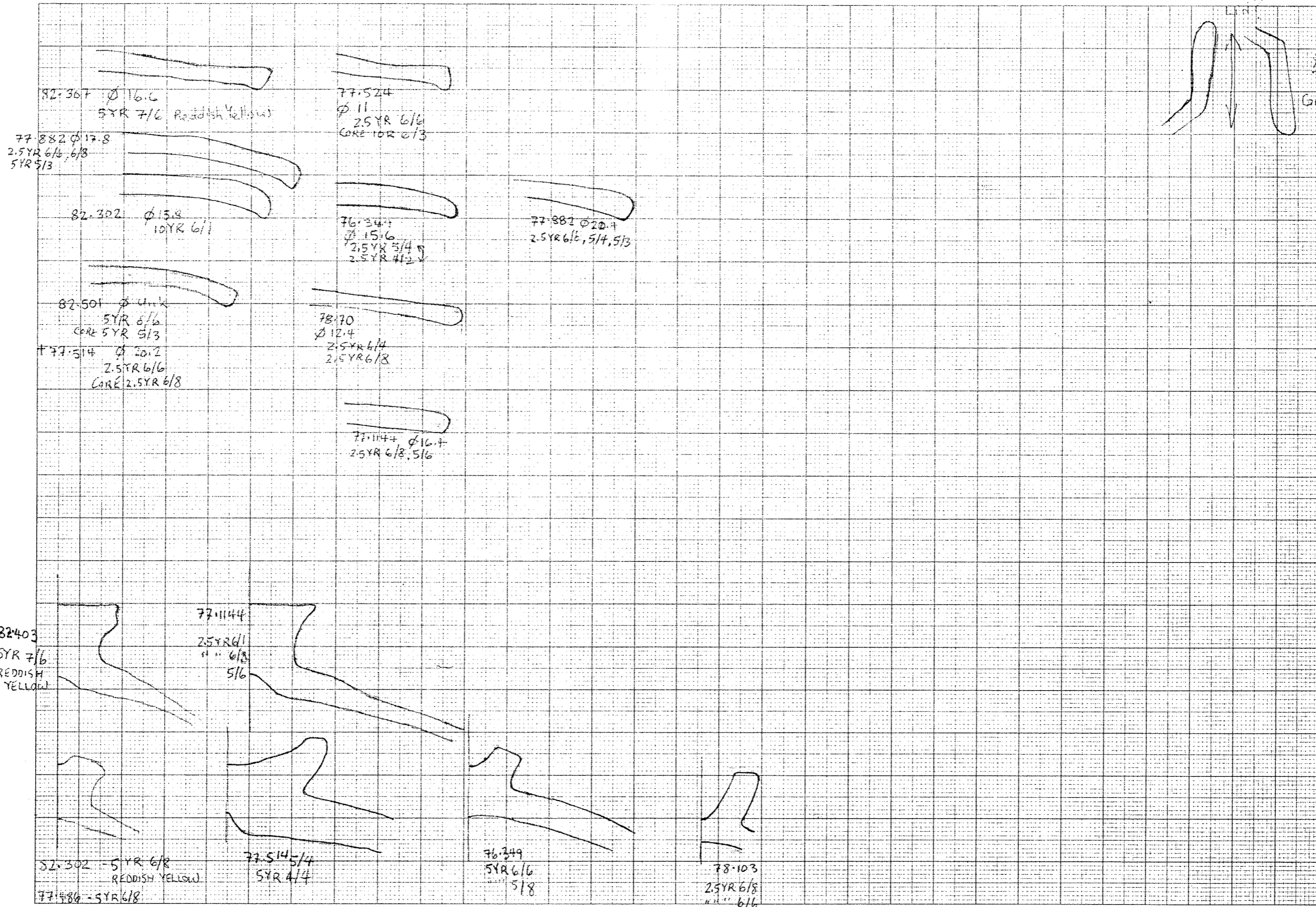


BASES (CARINATED BOWLS)

COOKING WARE

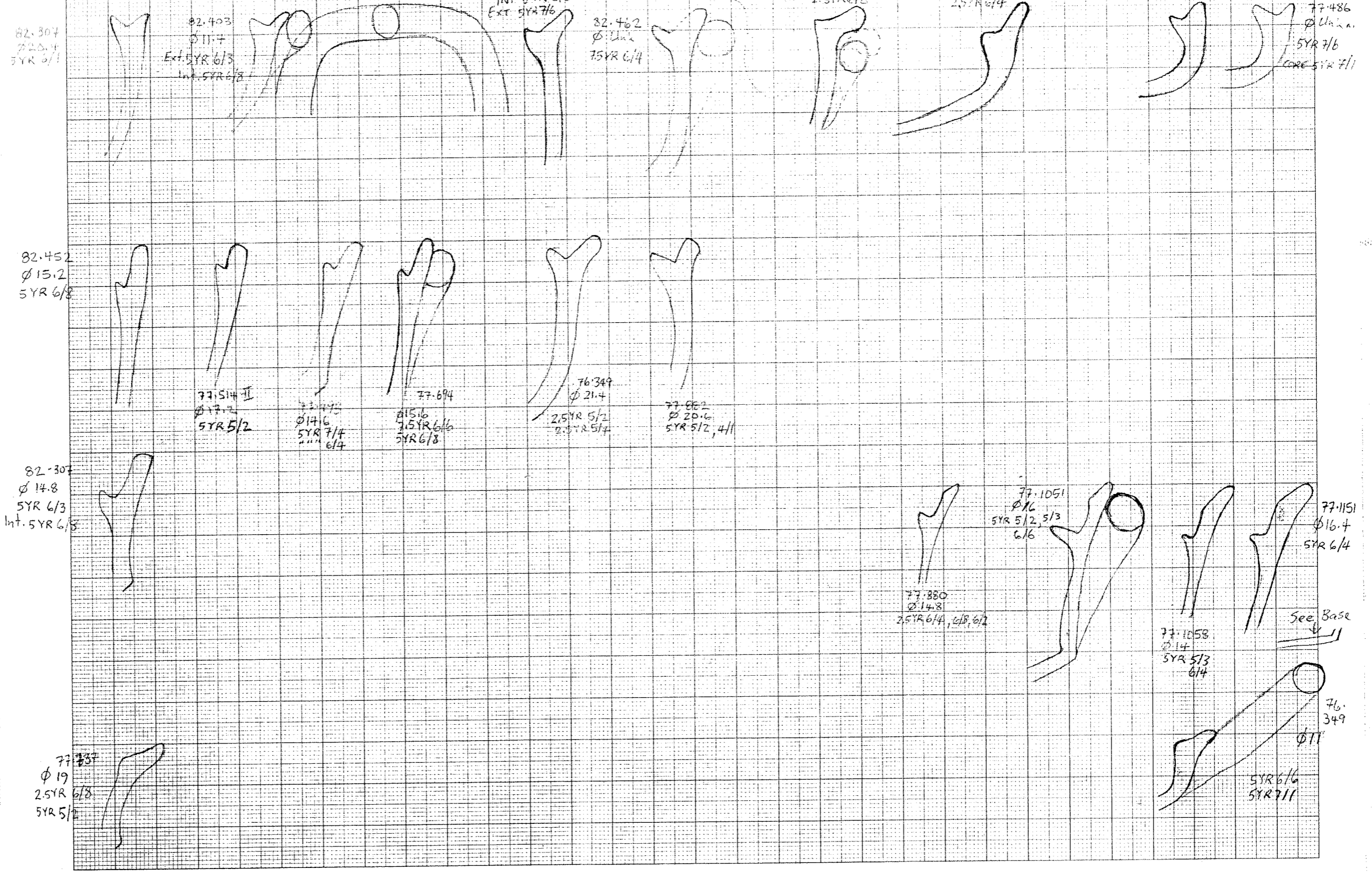


COOKING WARE LIDS



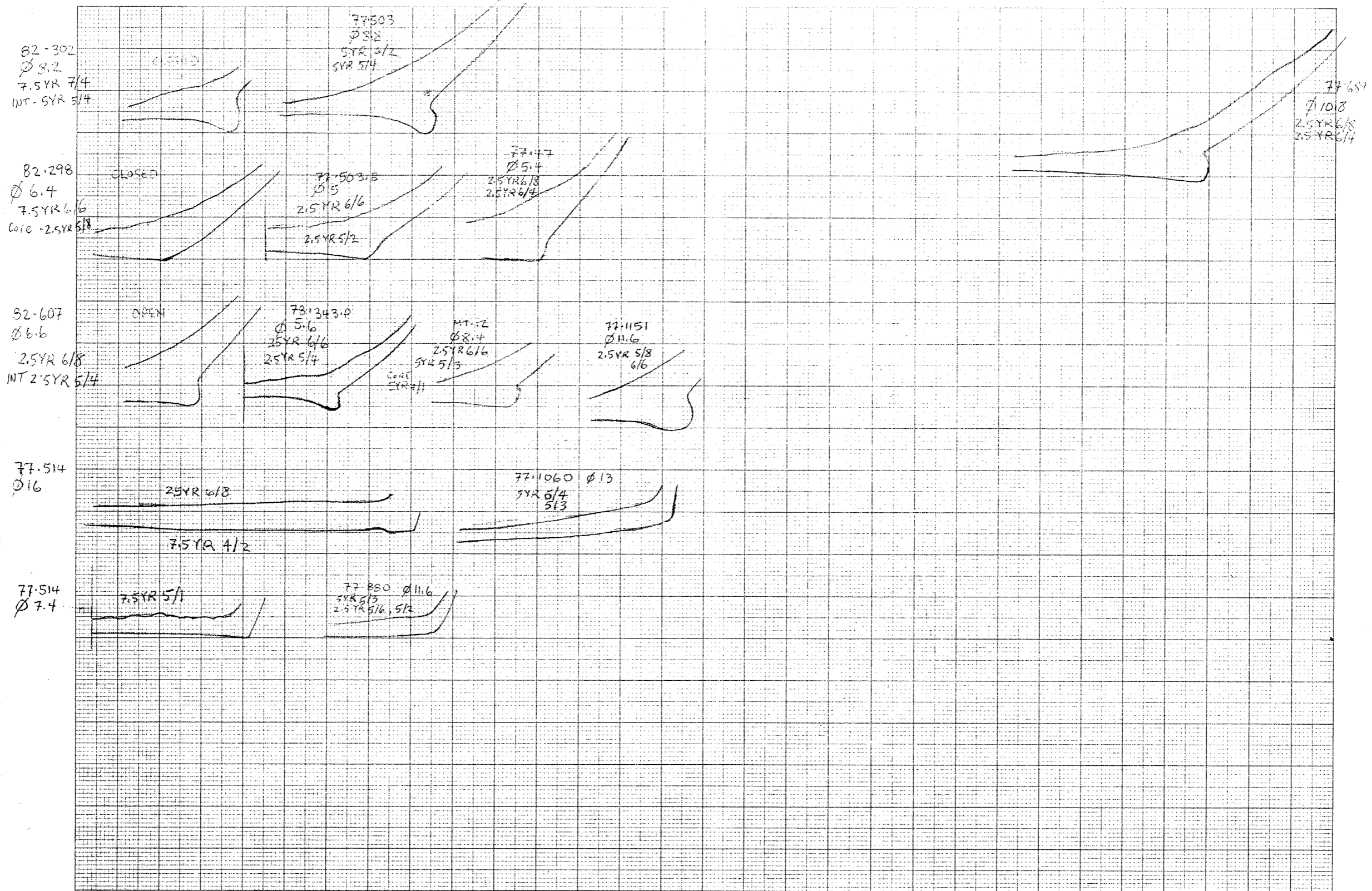
82-217
 ϕ 17.2
7.5YR 6/4
Core 7.5YR 7/1

COOKING VARE
CASSEROLE



COOKING WARE / 2002

78-420-09
5YR 5/2, 5/4



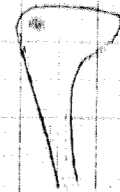
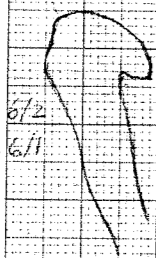
COOKING WARE

82-74
82-307

Ø 15

E+ 5YR 6/2

INT- 5YR 6/1



77-1058

Ø 15.2

5YR 6/8

6/4

82-307

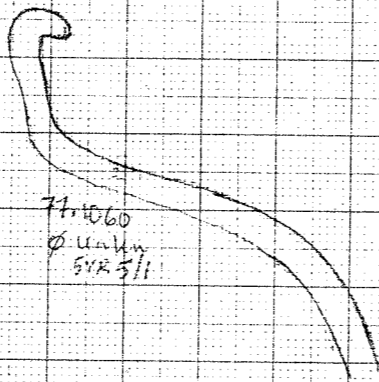
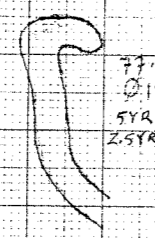
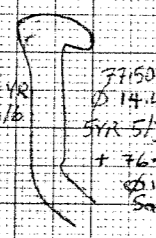
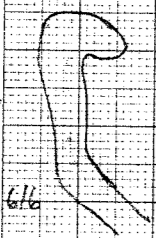
Ø 13

5YR 6/8

77-1058

Ø 15

5YR 6/4



2.5YR 6/6

77-503

Ø 14.4

5YR 5/3

+ 76-349

Ø 13.6

Same

77-119

Ø 12.4

5YR 6/4

2.5YR 6/6

77-1060

Ø 14.4

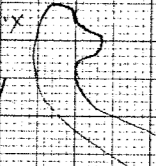
5YR 5/1

77-503

Ø 12

7.5YR 5/1

5YR 5/2

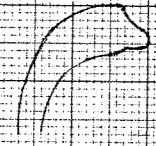


77-957

Ø 16.4

2.5YR 6/8

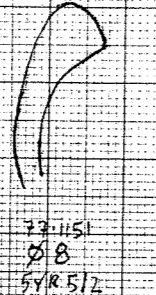
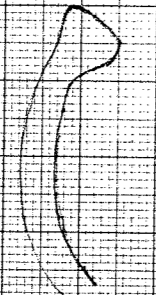
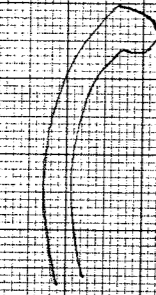
2.5YR 5/4



82-452

Ø 8.8

5YR 7/6



77-1151

Ø 8

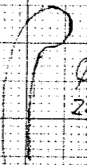
5YR 5/2

5/4

77-503

Ø 12.6

2.5YR 6/8

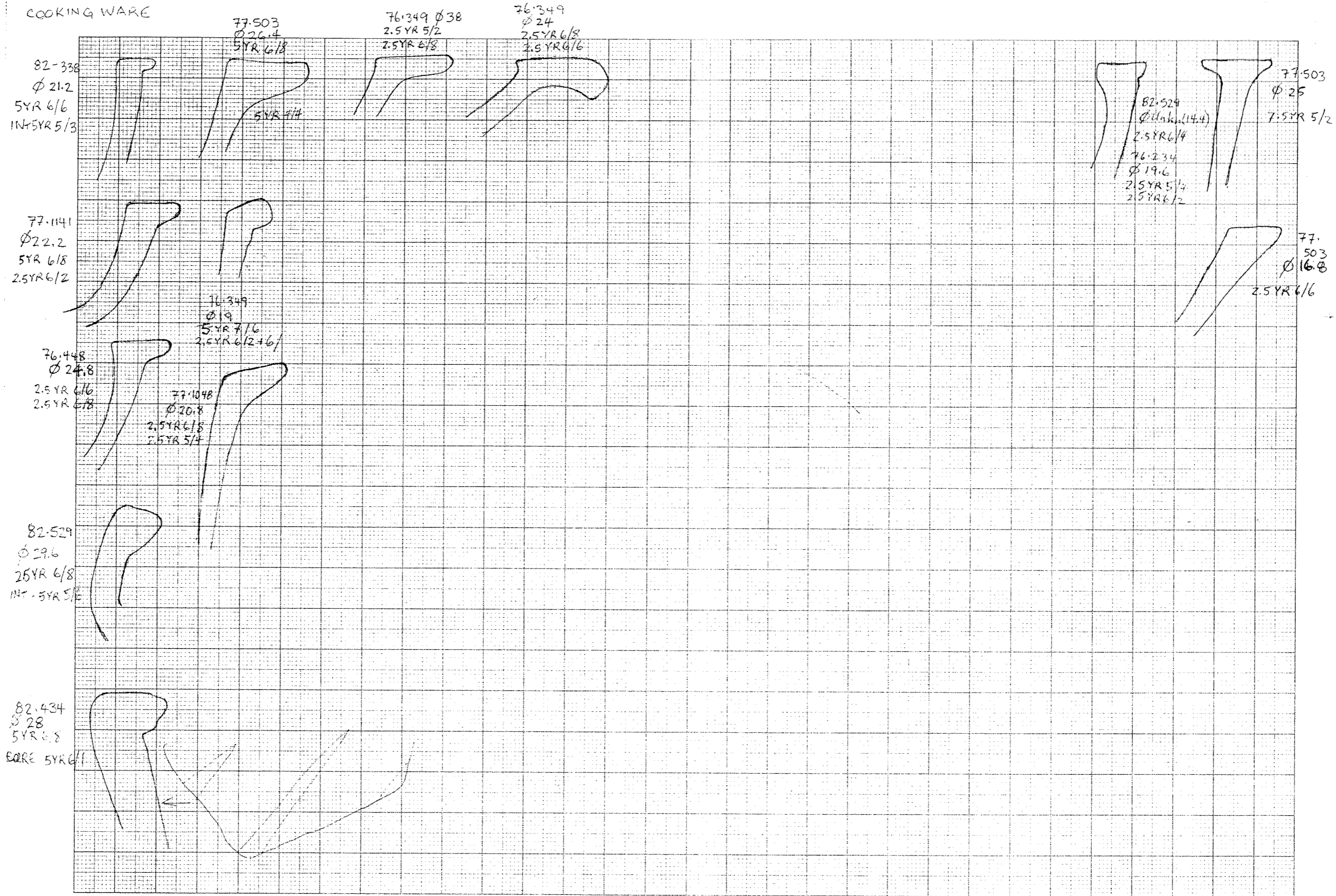


77-474

Ø 6.4?

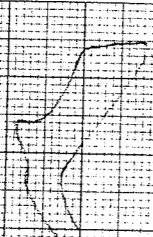
2.5YR 5/8

COOKING WARE

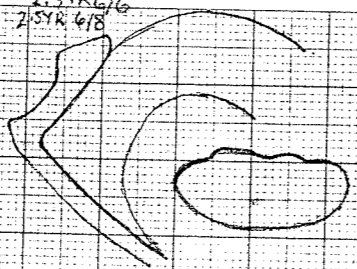


COOKING WARE

82-298
Ø 18.6
SYR 6/6



76-349
Ø 15.6
2.5YR 6/6
2.5YR 6/8

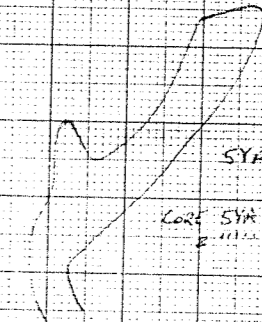


78-163
Ø 17.4
SYR 5/6



SYR 5/1

77-486
Ø unk



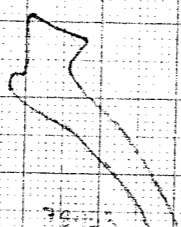
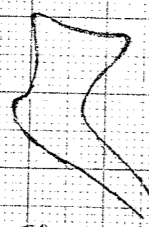
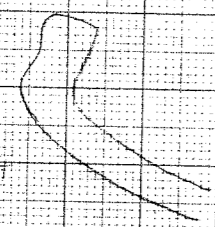
SYR 7/6

Core SYR 4/8
2.5YR 5/2

77-876
Ø 21
2.5YR 6/4
SYR 5/1
2.5YR 6/8



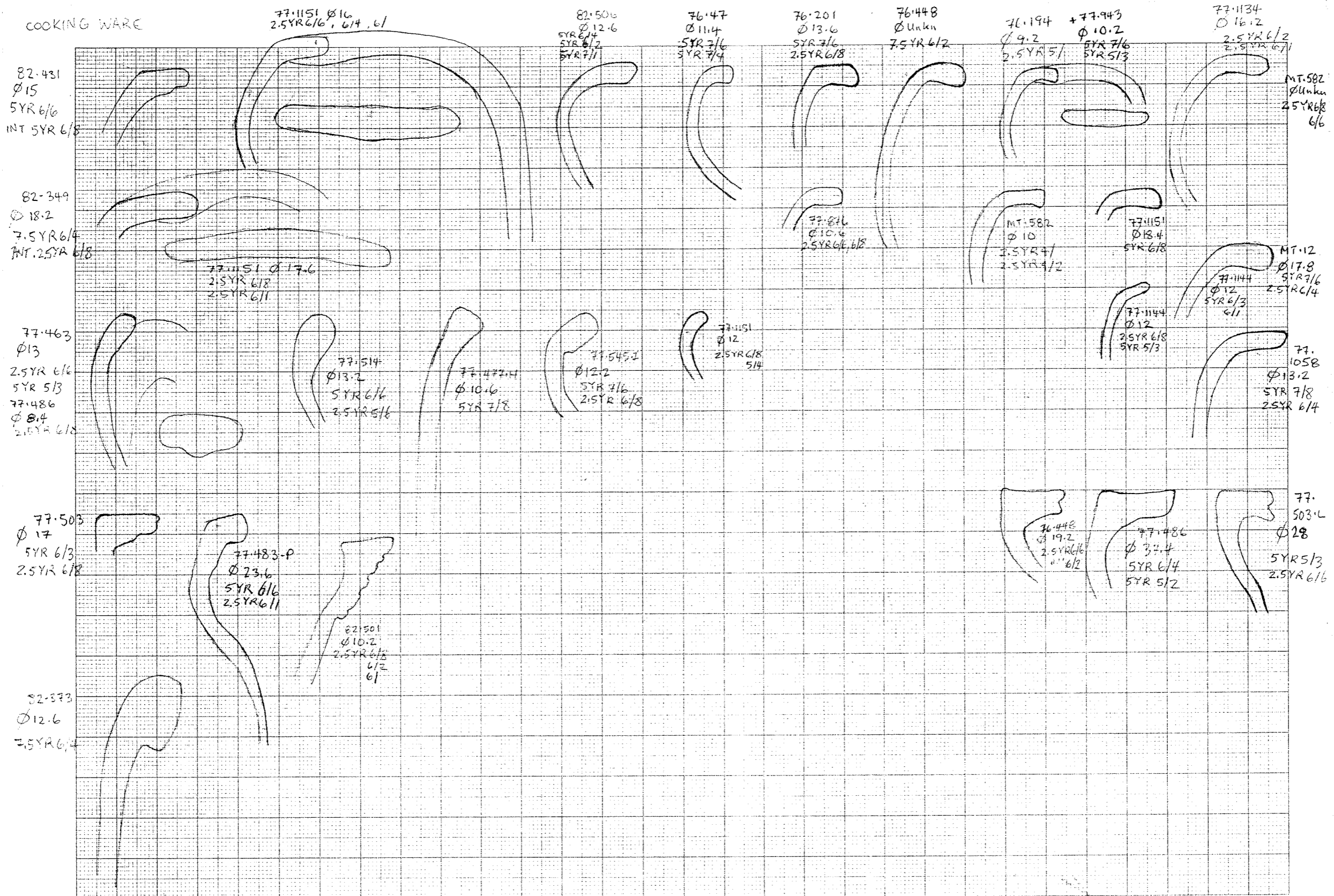
82-338
Ø 11.6
7.5YR 7/4
INT-SYR 5



78-107 Ø 20.4
2.5YR 5/6
2.5YR 6/8

78-113
Ø 17.6
2.5YR 4/2
2.5YR 5/4

COOKING WARE



NY NG 2115

77.1151 ϕ 36
SY 2/1
2.5Y 2/2

77.1141 ϕ 28
SYR 7/6
2.5YR 6/4 + 5YR 6/8

76.60 ϕ 25
SYR 6/4
SYR 7/3
7/6

82.332
 ϕ 26.4
SYR 7/4
6.5YR 7/8
Glate 10YR
4/6

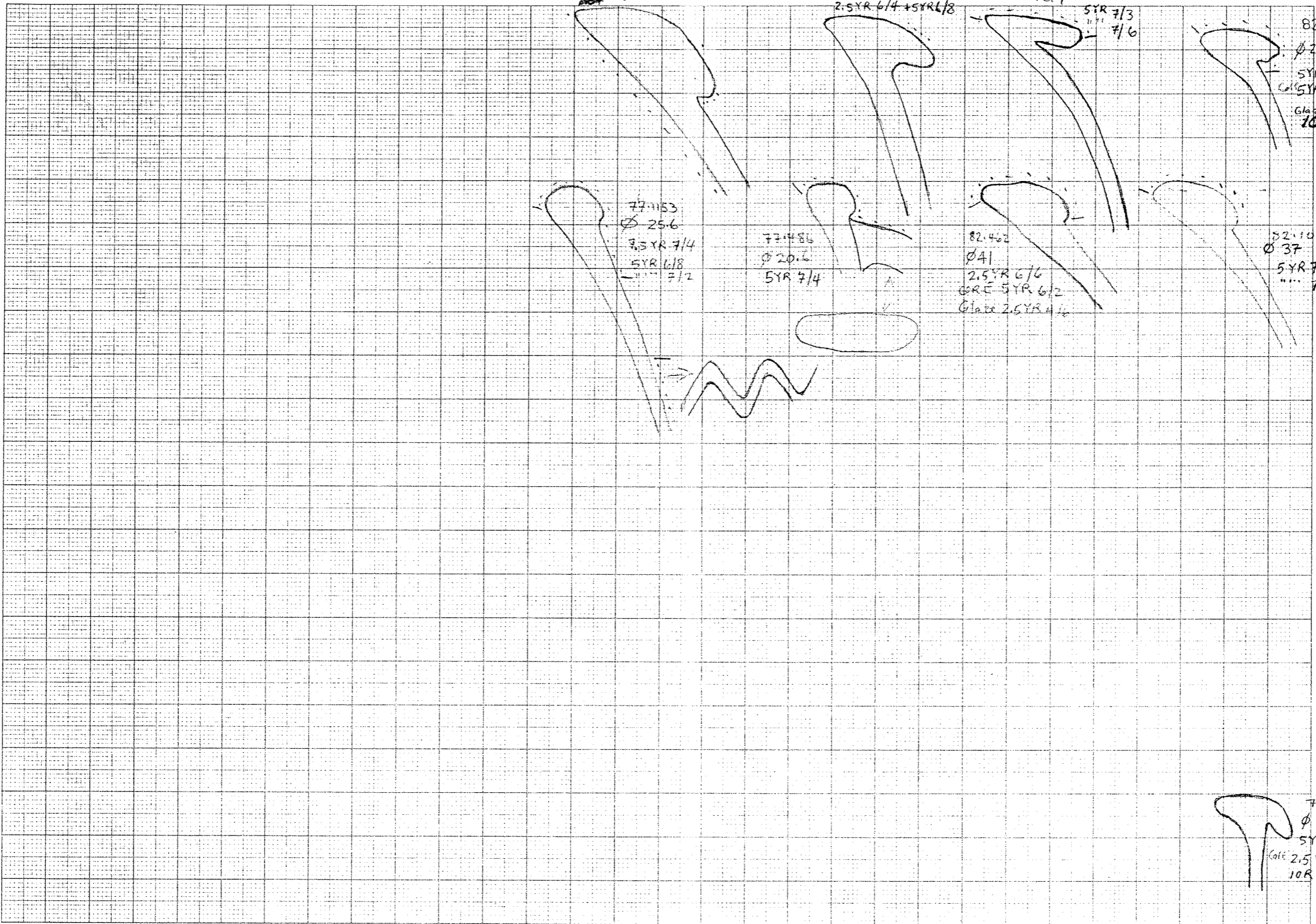
77.1153
 ϕ 25.6
3.5YR 7/4
5YR 6/8
7/2

77.1186
 ϕ 20.6
5YR 7/4

82.462
 ϕ 41
2.5YR 6/6
GRE 5YR 6/2
Glate 2.5YR 6/6

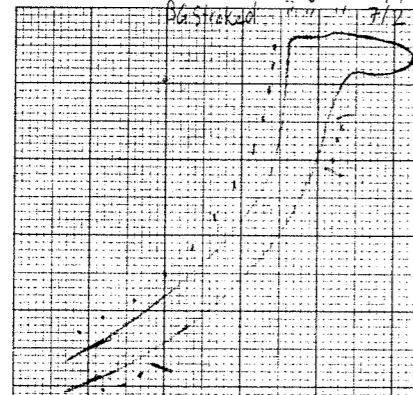
82.107
 ϕ 37
5YR 7/6
7/1
77
405

76.448
 ϕ 12?
5YR 7/3
Glat 2.5YR 6/8
10R 6/3

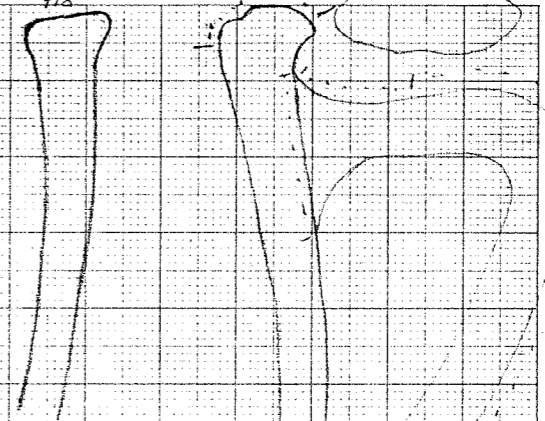


MIXING BOWLS

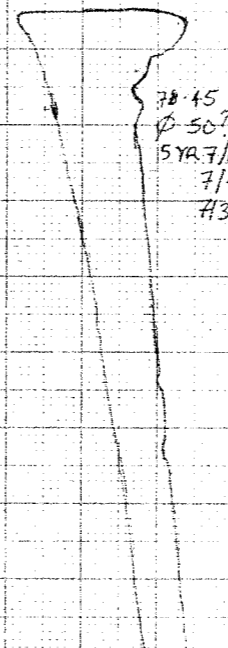
77-1151 ϕ 21.6
7.5YR 7/4



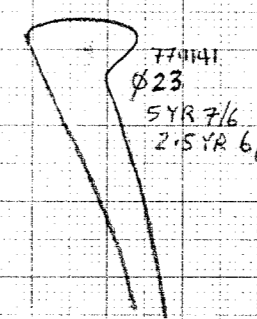
78-103 ϕ 28
7.5YR 7/6
7.7. 7/8



82-438
 ϕ 23.6
5YR 7/4
INT 5YR 6/3
Glaze 2.5YR 5/4
Glaze Band down
handle
2 Horizontal bands
on Ext. of 1/2 SScl



78-45
 ϕ 50?
5YR 7/6
7/4
#31

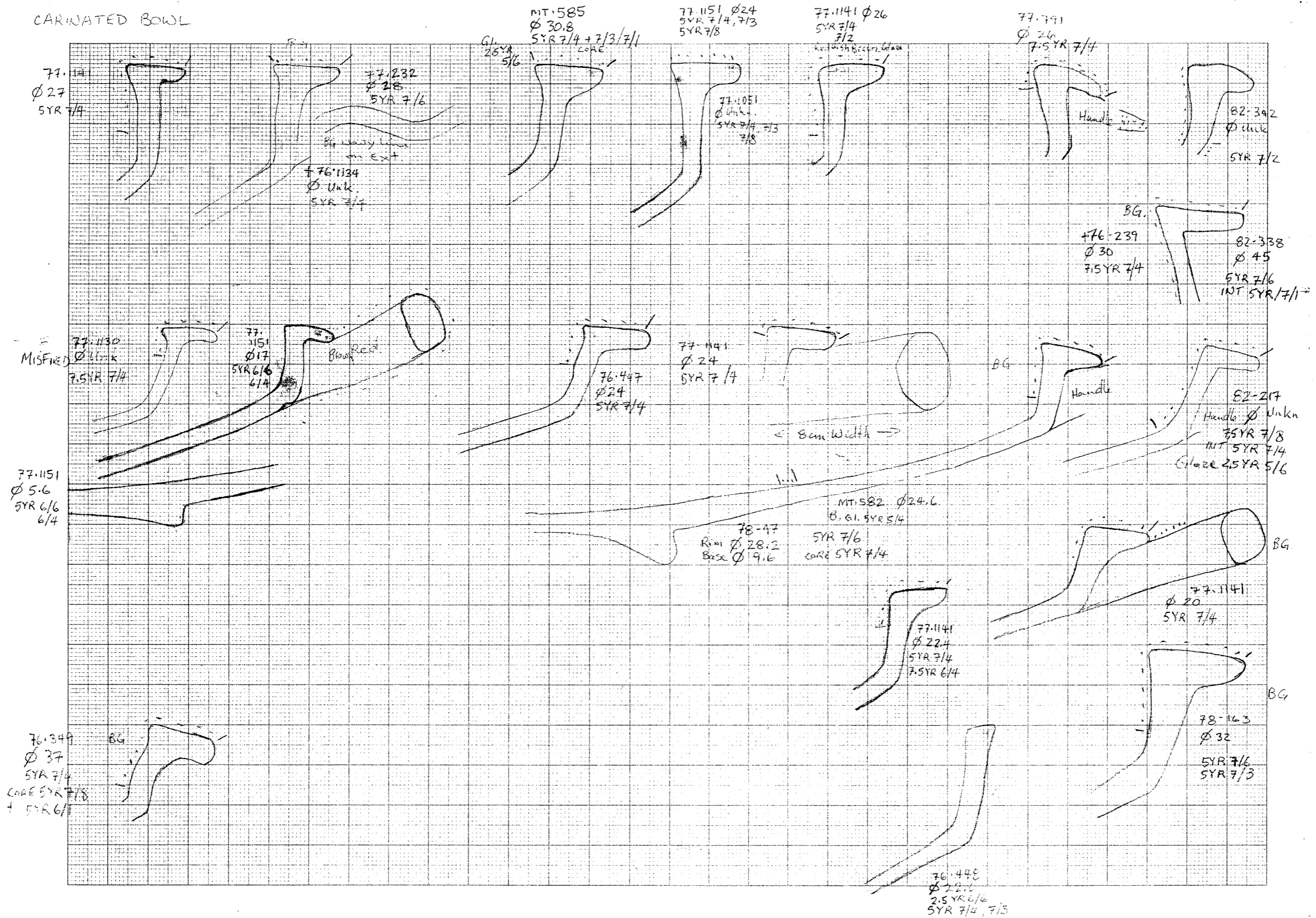


77-1141
 ϕ 23
5YR 7/6
2.5YR 6/1

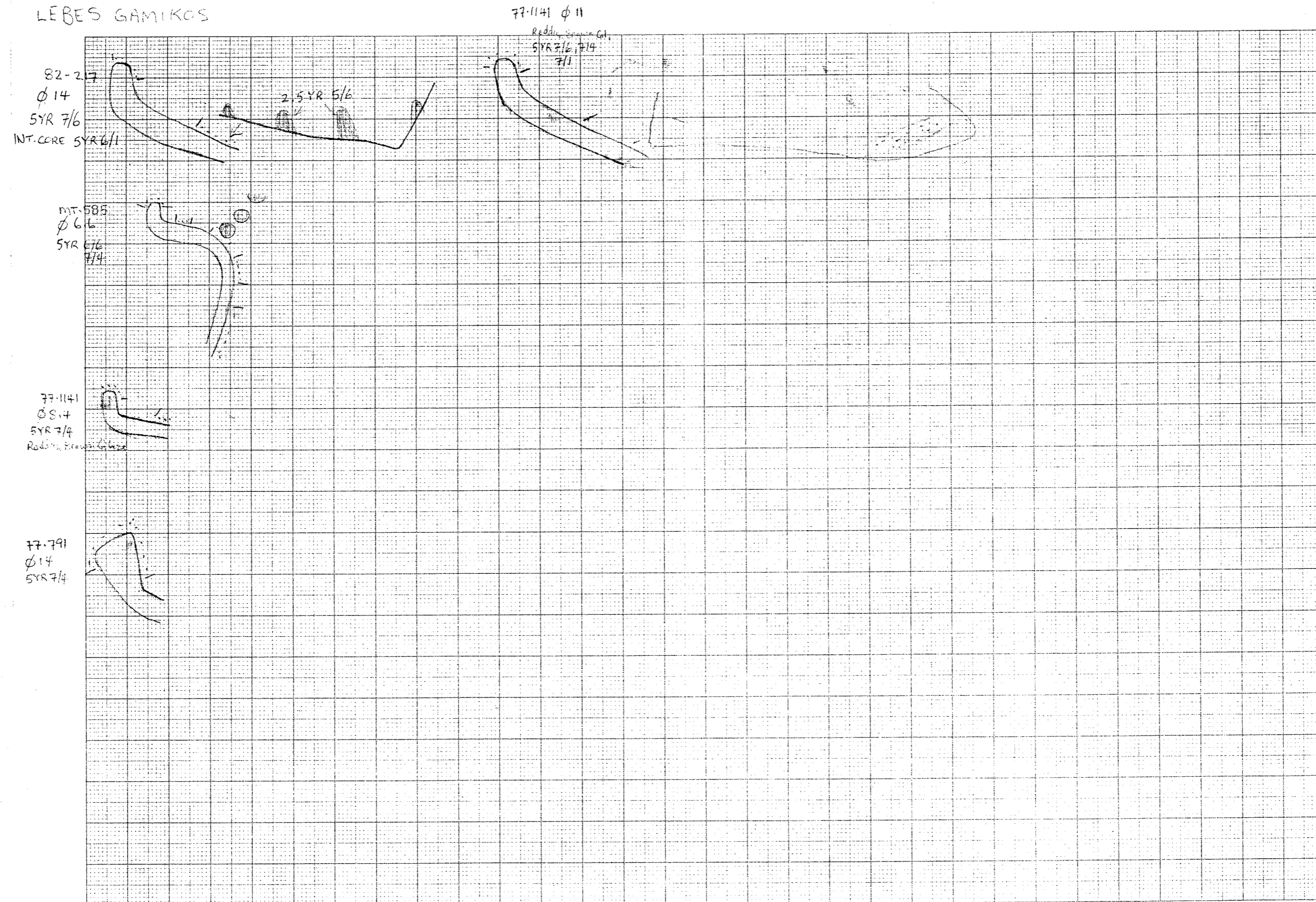


82-482
 ϕ 36.8
5YR 7/6
Glaze 5YR 7/3
Glaze
10YR
4/6

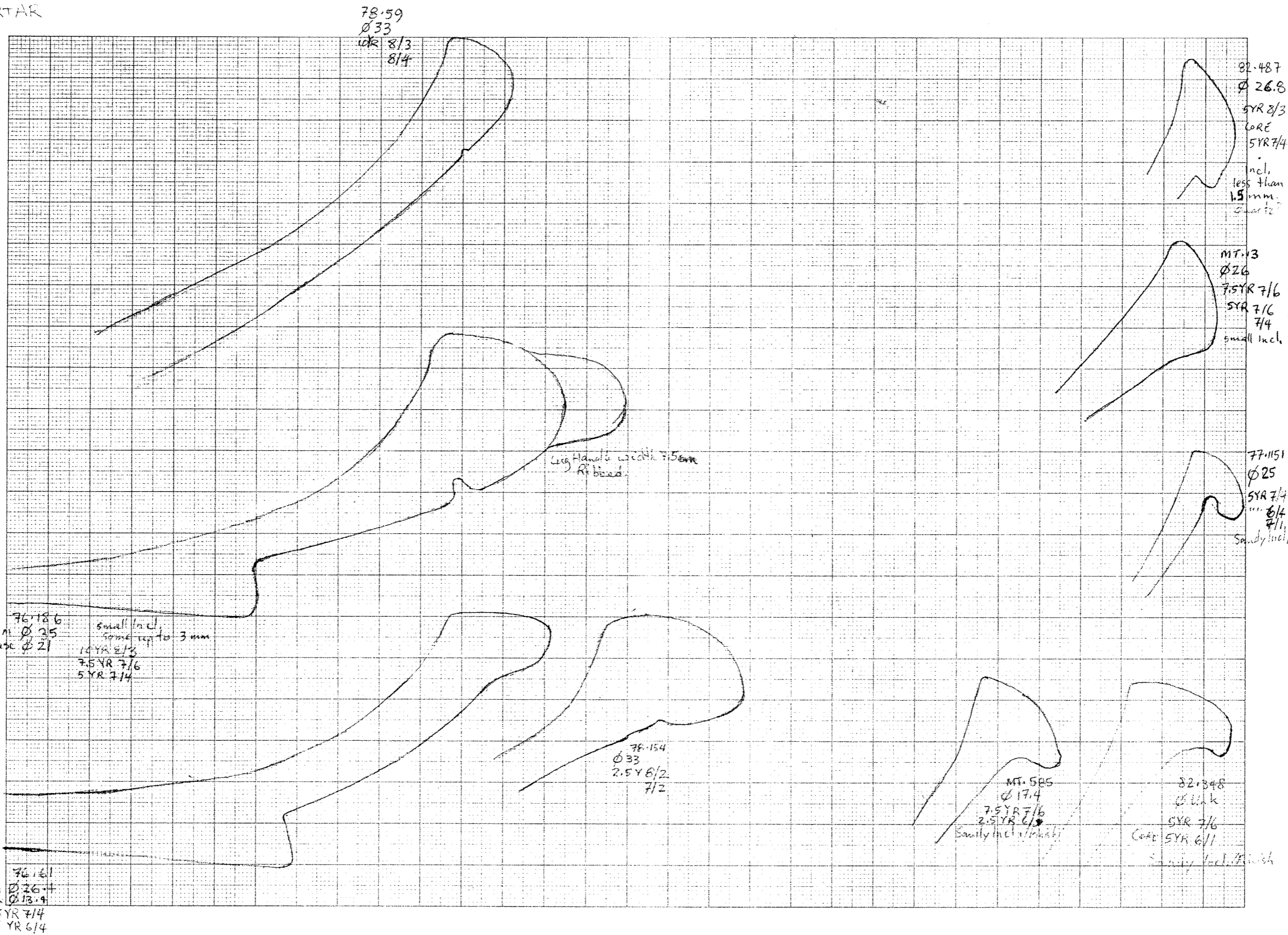
CARINATED BOWL



LEBES GAMIKOS

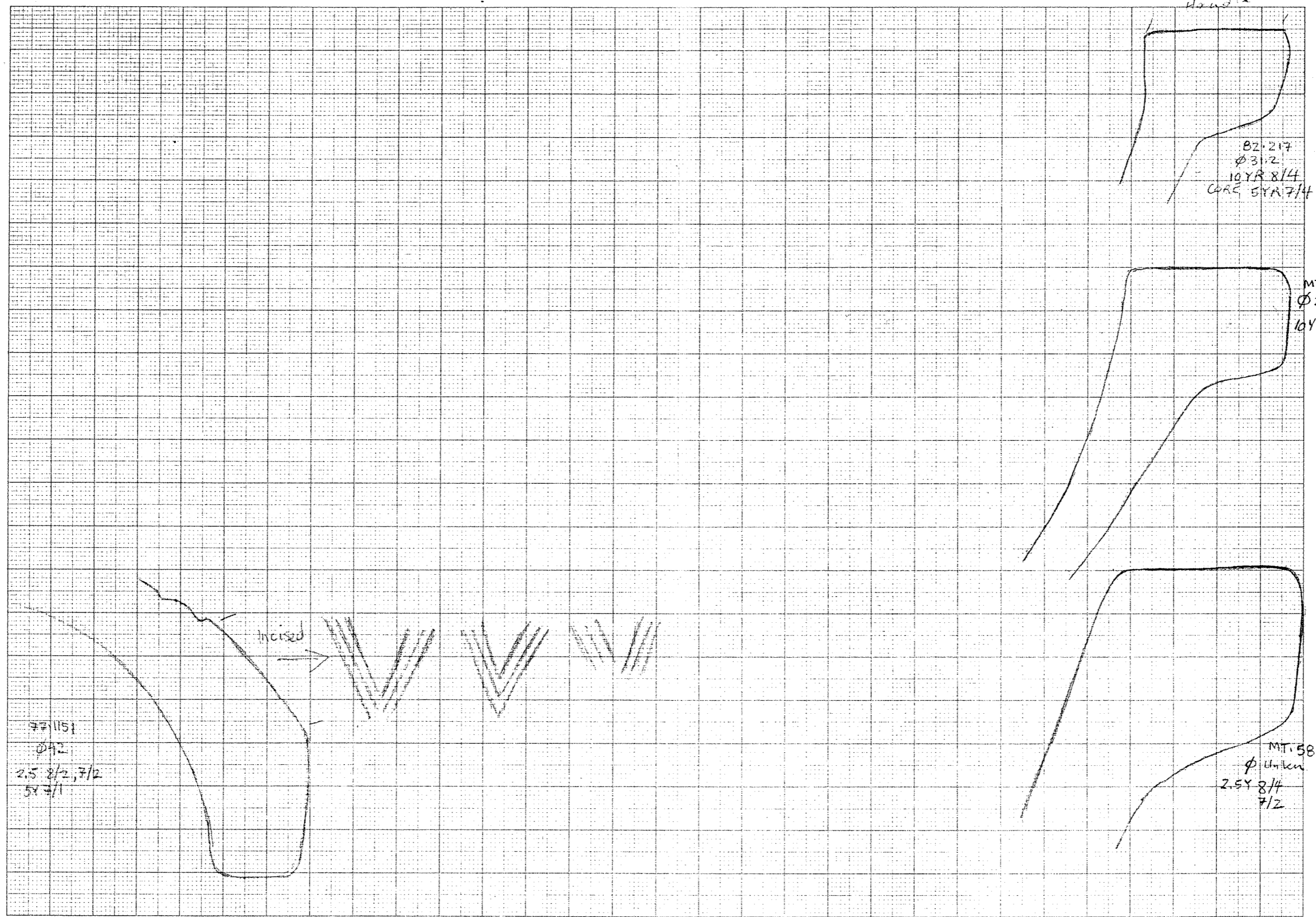


MORTAR



76.161
Rim Ø 26.4
Base Ø 13.9
7.5YR 7/4
2.5YR 6/4

LOUTERIA



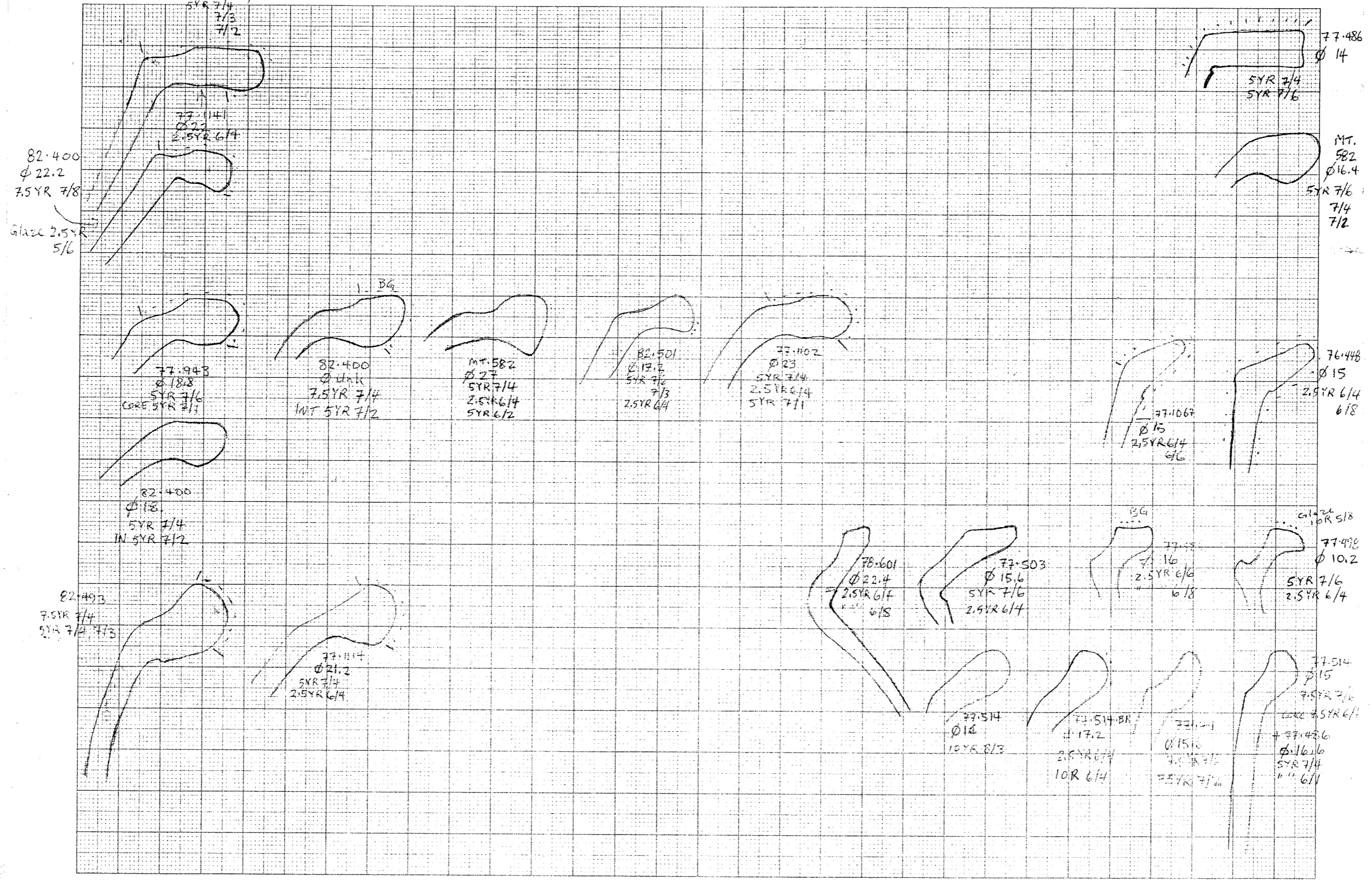
Handle
Ø2.217
Ø3.12
10YR 8/4
Core 5YR 7/4

MT.13
Ø22
10YR 7/4
7/6

771151
Ø42
2.5 8/2, 7/2
5Y 7/1

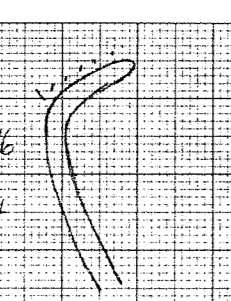
MT.586
Ø Unkn.
2.5Y 8/4
7/2

HYDRIAL 78-634 Ø26

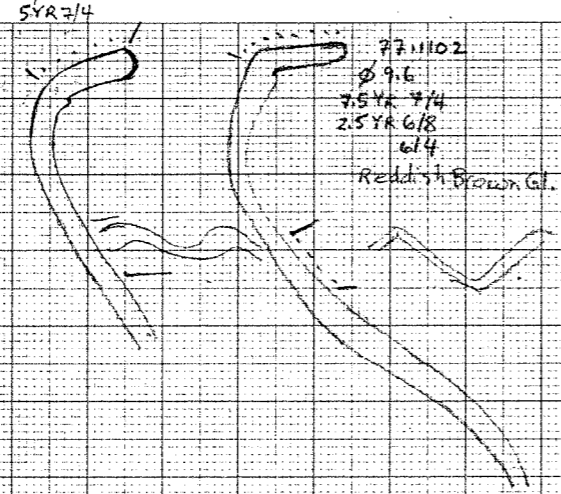


LEKYTHOS

82-333
Ø 8.4
5YR 7/4
INT 2.5YR 6/6
Glaze -
10YR 5/4

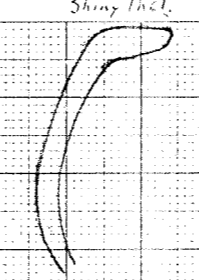


77-1141
Ø 10.4
5YR 7/4

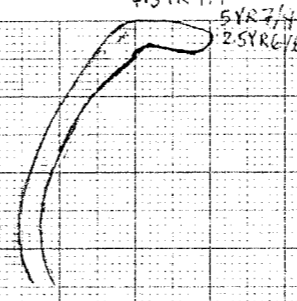


77-1102
Ø 9.6
7.5YR 7/4
2.5YR 6/8
6/4
Reddish Brown Gl.

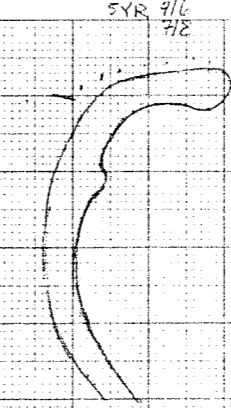
77-882 Ø 10.2
10YR 8/3, 8/4
Shiny Incl.



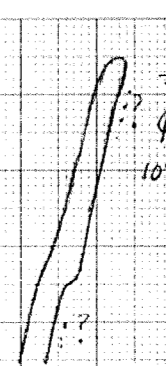
77-1150
Ø 8.8
7.5YR 7/4
5YR 7/4
2.5YR 6/6



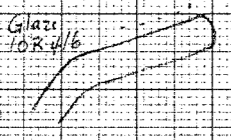
76-213 Ø 16.2
5YR 7/6
7/2



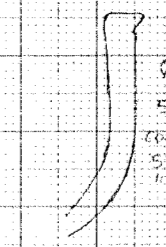
77-514
Ø 4.6
10YR 8/3



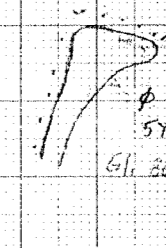
77-1130
Ø 13
5YR 7/6
5YR 7/3



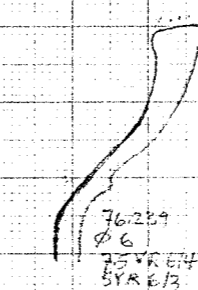
77-1524
Ø 6
5YR 6/4
Clay
5YR 6/3
10YR 6/6



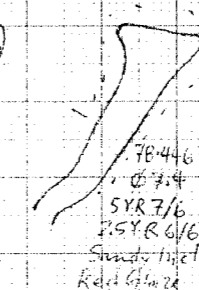
77-1058
Ø 7.6
5YR 7/4
Gl. 25 to 5YR
5/4



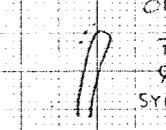
76-239
Ø 6
7.5YR 6/4
5YR 6/3



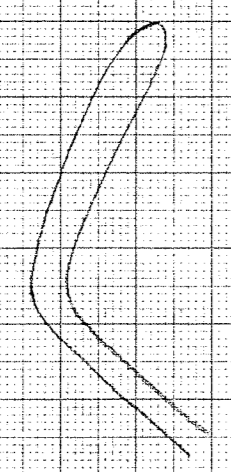
76-446
Ø 7.4
5YR 7/6
2.5YR 6/6
Sandy Incl.
Red Glaze



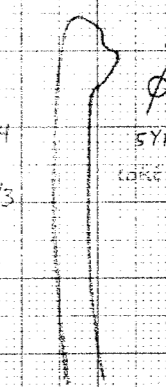
CLAYE RHA
77-1102
Ø 3
5YR 7/4



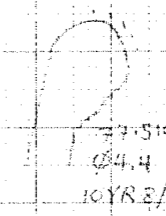
82-225
Ø 12
5YR 7/4



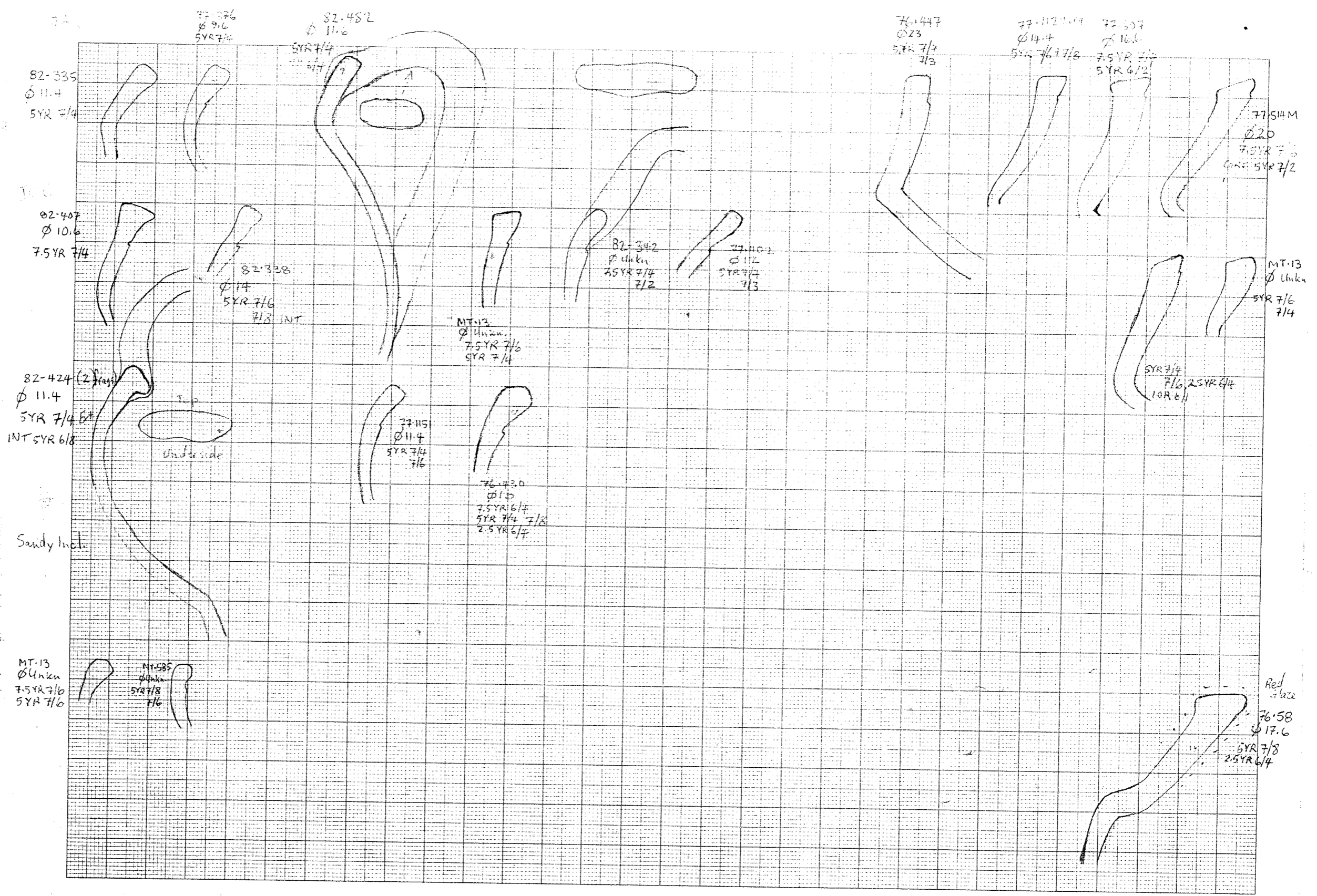
77-503
Ø 4.4
5YR 7/6
Clay 5YR 7/8

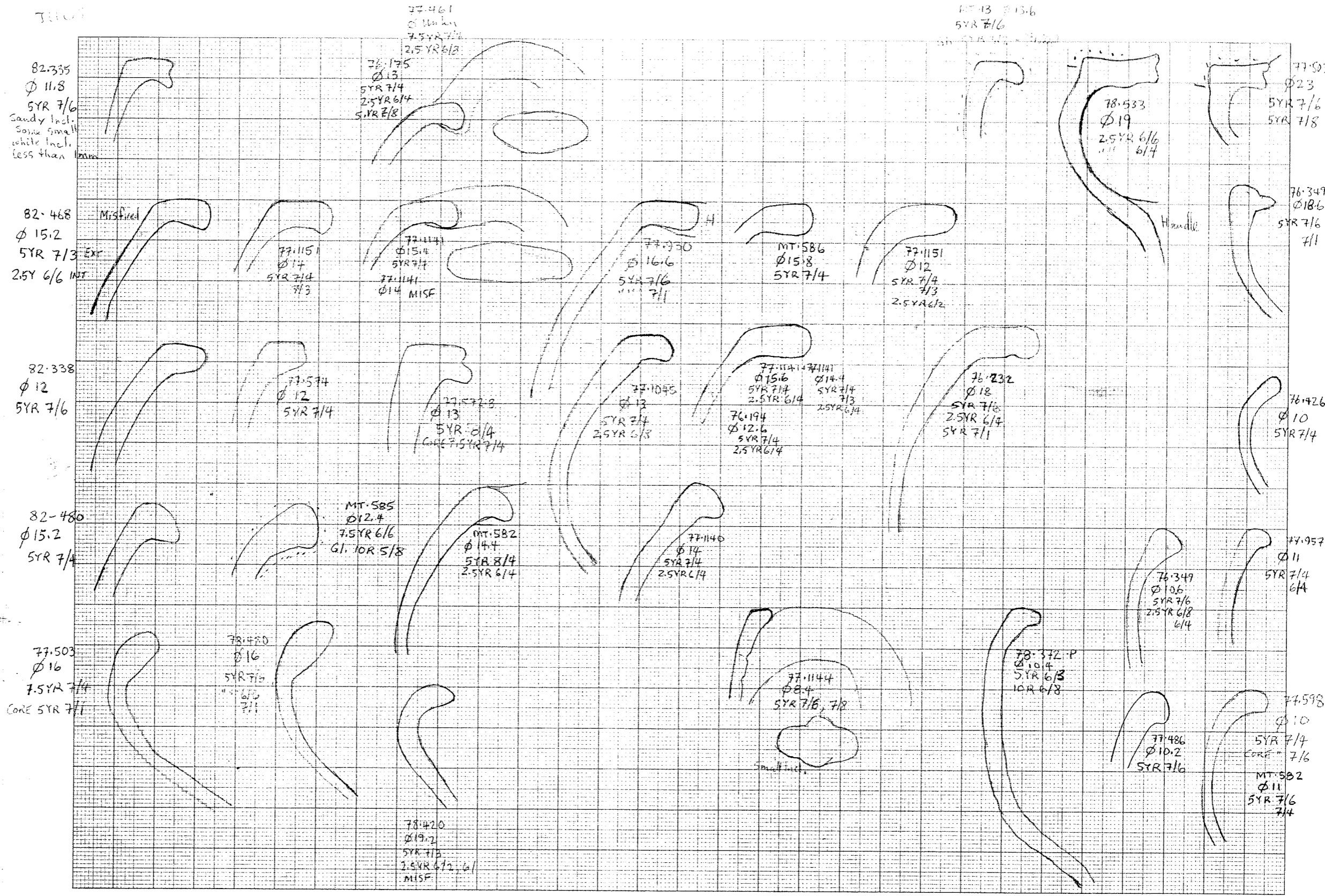


77-514
Ø 4.4
10YR 8/3



Sandy Incl





82-335
 Ø 11.8
 5YR 7/6
 Sandy Incl.
 Some small
 white Incl.
 less than

82-468
 Ø 15.2
 5YR 7/3
 2.5Y 6/6

82-338
 Ø 12
 5YR 7/6

82-480
 Ø 15.2
 5YR 7/4

77-503
 Ø 16
 7.5YR 7/4
 Core 5YR 7/1

77-461
 Ø 13
 5YR 7/4
 2.5YR 6/4
 5YR 7/8

77-13
 Ø 13.6
 5YR 7/6

77-503
 Ø 23
 5YR 7/6
 5YR 7/8

76-349
 Ø 18.6
 5YR 7/6
 #11

76-426
 Ø 10
 5YR 7/4

77-957
 Ø 11
 5YR 7/4
 6A

77-598
 Ø 10
 5YR 7/4
 Core 7/6
 MT-582
 Ø 11
 5YR 7/6
 7/4

78-420
 Ø 19.2
 5YR 7/8
 2.5YR 6/2, 6/1
 MISF

78-533
 Ø 19
 2.5YR 6/6
 6/4

77-115
 Ø 14
 5YR 7/4
 7/3

77-114
 Ø 15.4
 5YR 7/4
 77-114
 Ø 14 MISF

77-330
 Ø 16.6
 5YR 7/6
 7/1

MT-586
 Ø 15.8
 5YR 7/4

77-1151
 Ø 12
 5YR 7/4
 7/3
 2.5YR 6/2

77-574
 Ø 12
 5YR 7/4

77-573
 Ø 13
 5YR 7/4
 Core 7.5YR 7/4

77-1045
 Ø 13
 5YR 7/4
 2.5YR 6/8

77-1141
 Ø 15.6
 5YR 7/4
 2.5YR 6/4
 76-194
 Ø 12.6
 5YR 7/4
 2.5YR 6/4

76-232
 Ø 18
 5YR 7/6
 2.5YR 6/4
 5YR 7/1

MT-585
 Ø 12.4
 7.5YR 6/6
 GI. TOR 5/8

MT-582
 Ø 14.4
 5YR 8/4
 2.5YR 6/4

77-1140
 Ø 14
 5YR 7/4
 2.5YR 6/4

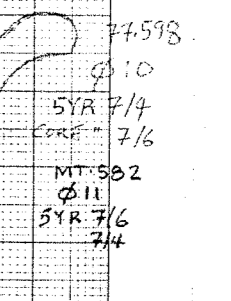
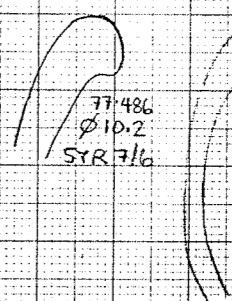
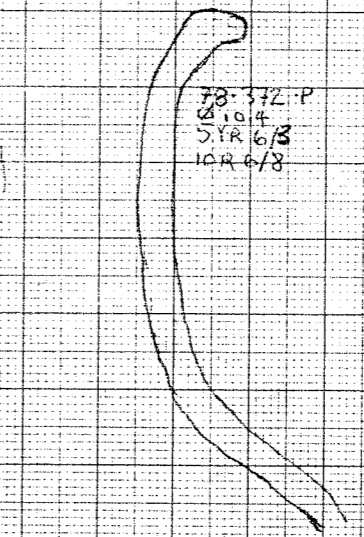
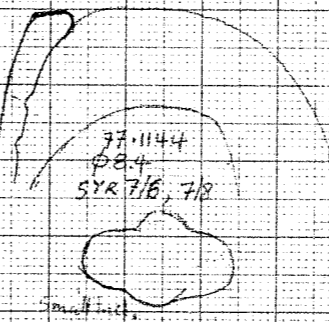
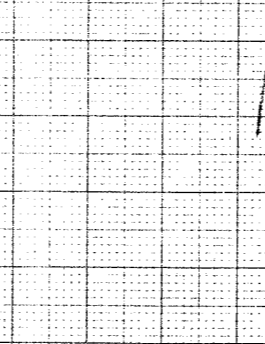
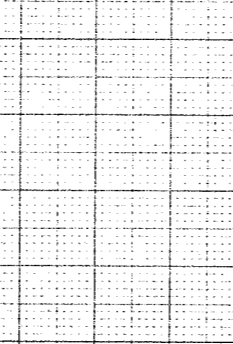
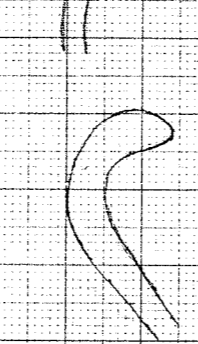
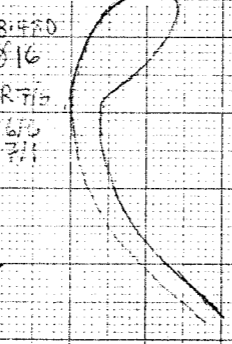
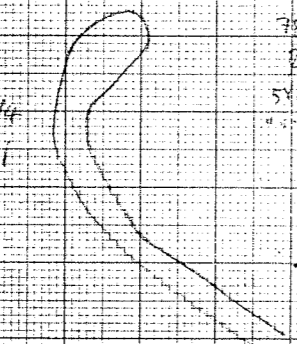
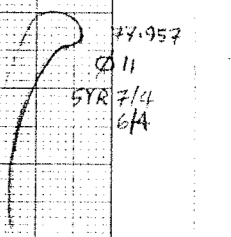
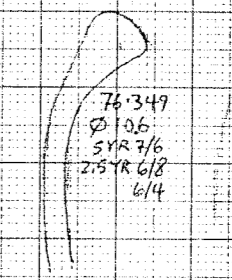
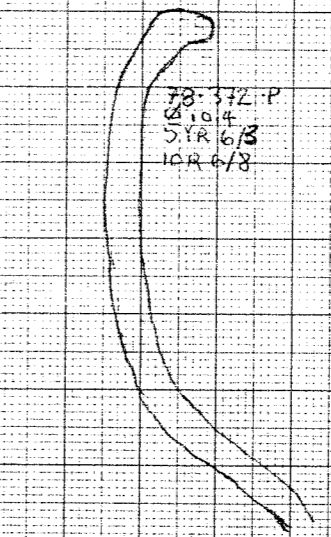
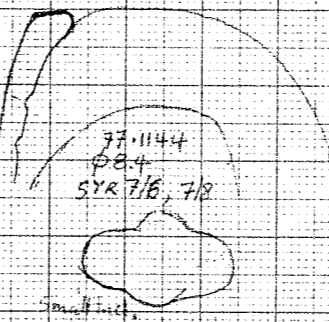
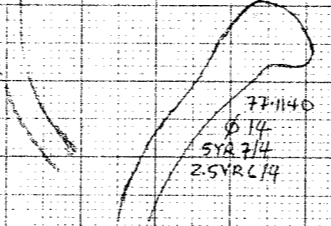
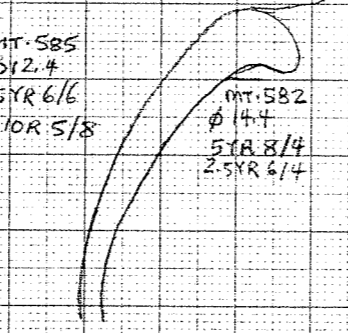
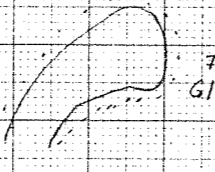
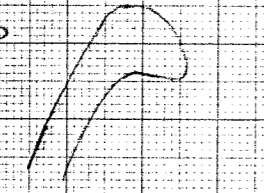
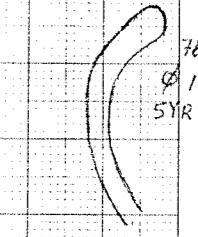
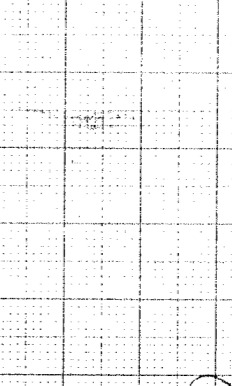
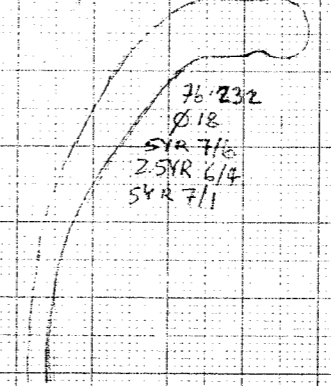
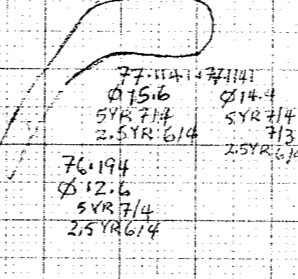
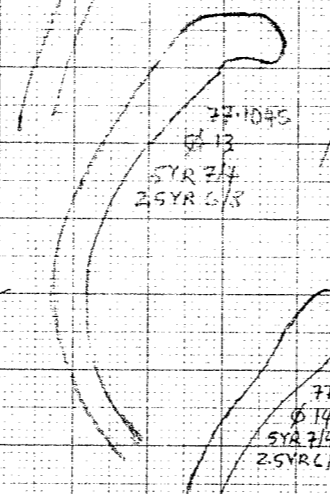
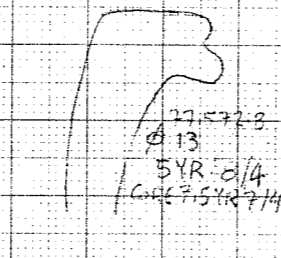
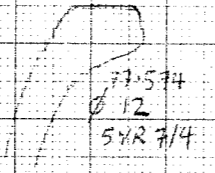
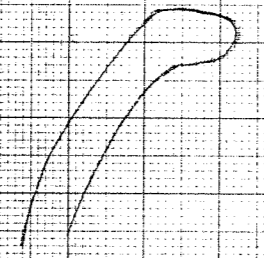
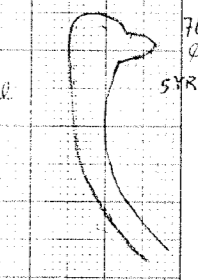
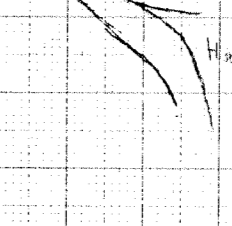
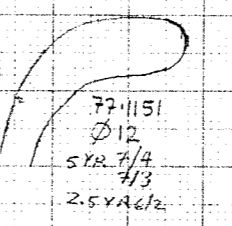
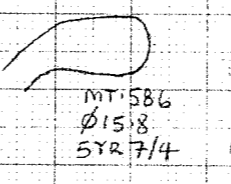
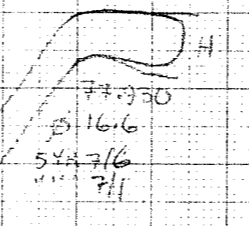
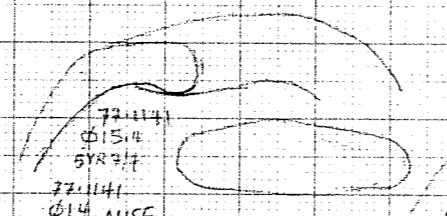
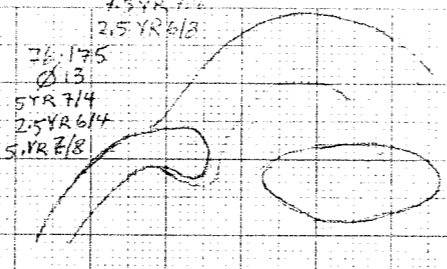
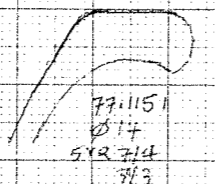
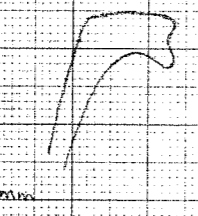
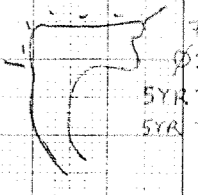
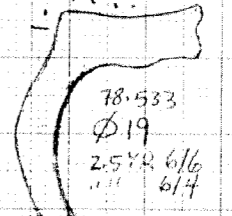
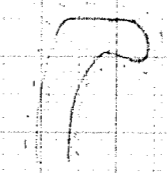
76-349
 Ø 10.6
 5YR 7/6
 2.5YR 6/8
 6/4

78-470
 Ø 16
 5YR 7/6
 6/6
 7/1

77-1144
 Ø 8.4
 5YR 7/6, 7/8

78-372-P
 Ø 10.4
 5YR 6/8
 10R 6/8

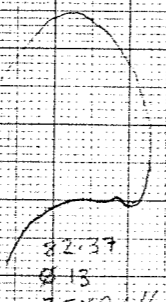
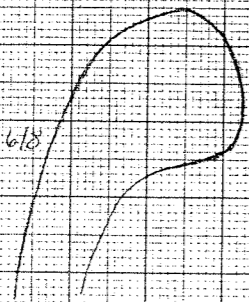
77-486
 Ø 10.2
 5YR 7/6



L. ROMAN AMPHORAE - L. AFRICAN

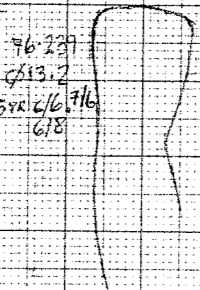
AMPHORAE RIMS

82.24
Ø 13.4
7.5YR 5/2
CORE 2.5YR 6/8

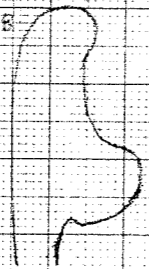


82.37
Ø 13
2.5YR 6/6
CORE 10YR 6/8

82.24
Base from
From Sam
Amph.

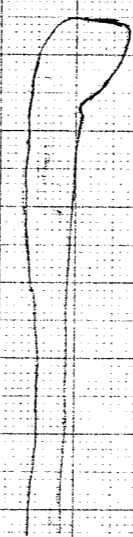


76.337
Ø 13.2
5YR 6/6 7/6
6/8



76.448
Ø 12
5YR 7/4
2.5YR 6/4
6/1
Sand
incl.

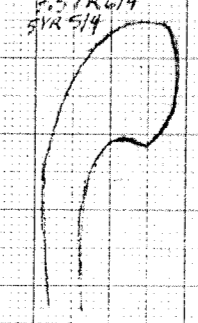
78.447
Ø 11.4
5YR 7/4
2.5YR 6/8



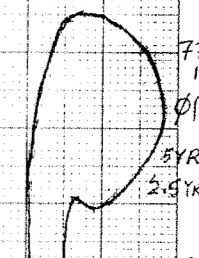
77.1024
Ø 13
5YR 6/1 6/2
10R 6/3 (some small
incl.)



77.1151
Ø 14
5YR 6/4
2.5YR 6/4
5YR 5/4

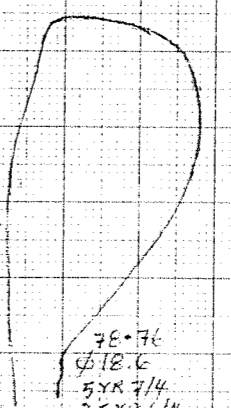


77.511
Ø 11.4
2.5YR
CORE 6/4
7/4



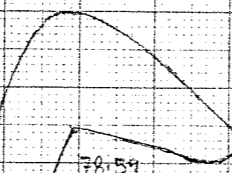
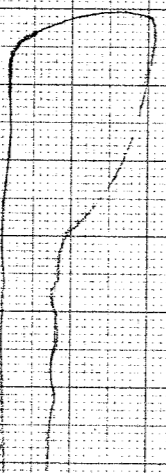
77.1134
Ø 17.2
5YR 7/4
2.5YR 6/4

lots of
small incl.
up to 1 mm
(Q. in 12)

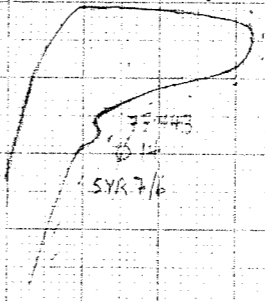


76.76
Ø 18.6
5YR 7/4
2.5YR 6/4
Small incl.

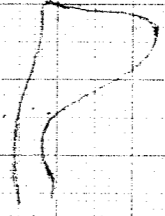
77.641
Ø 16
10YR 8/3
2.5Y 8/2
Some small incl.
less than 1 mm



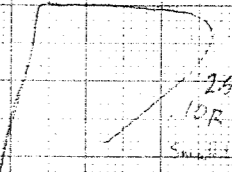
78.59
Ø 17.6
10YR 8/3
7/3
2.5Y 7/4



77.473
Ø 16
5YR 7/6

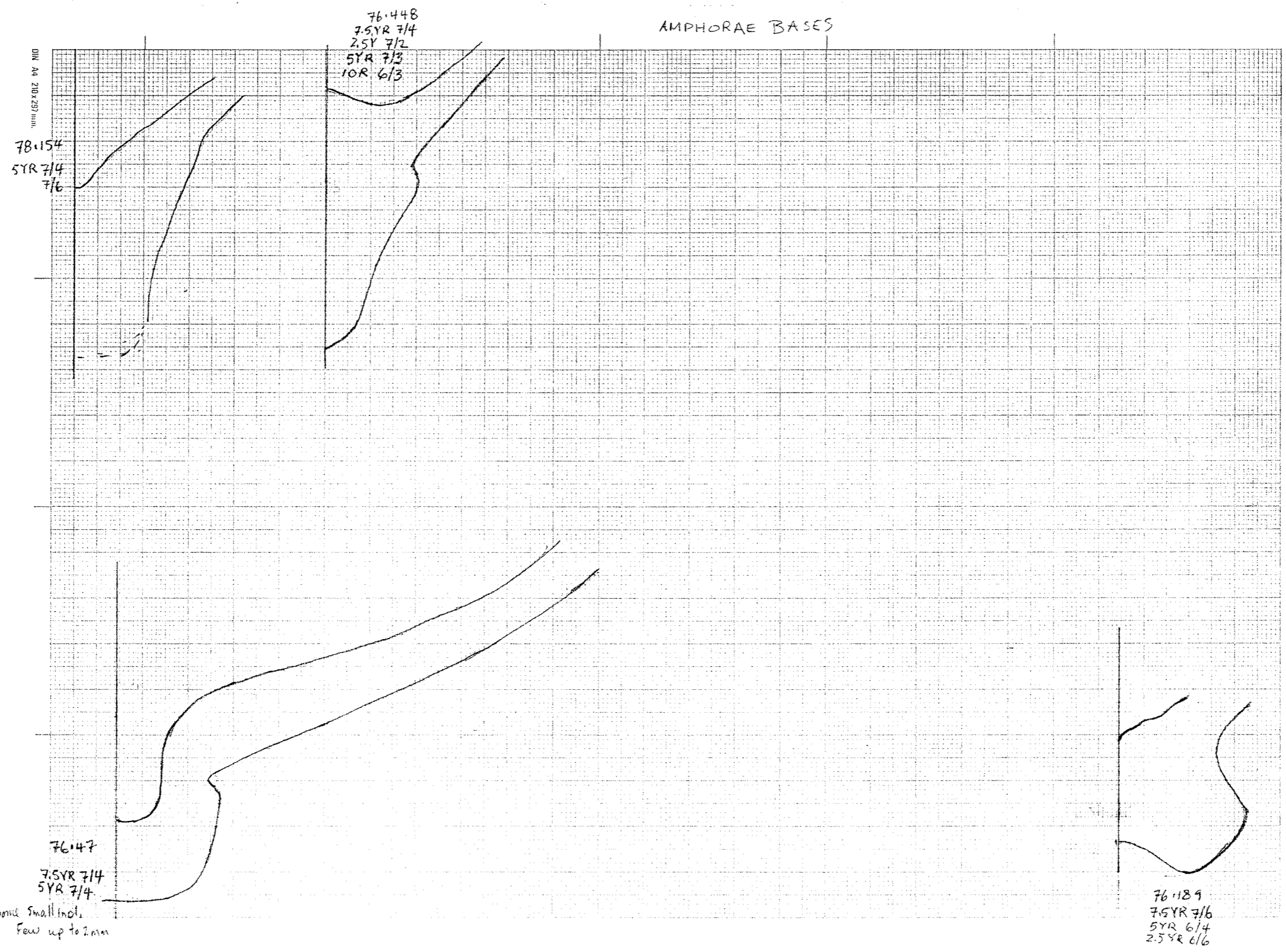


76.15
Ø 12.2
2.5YR 6/4



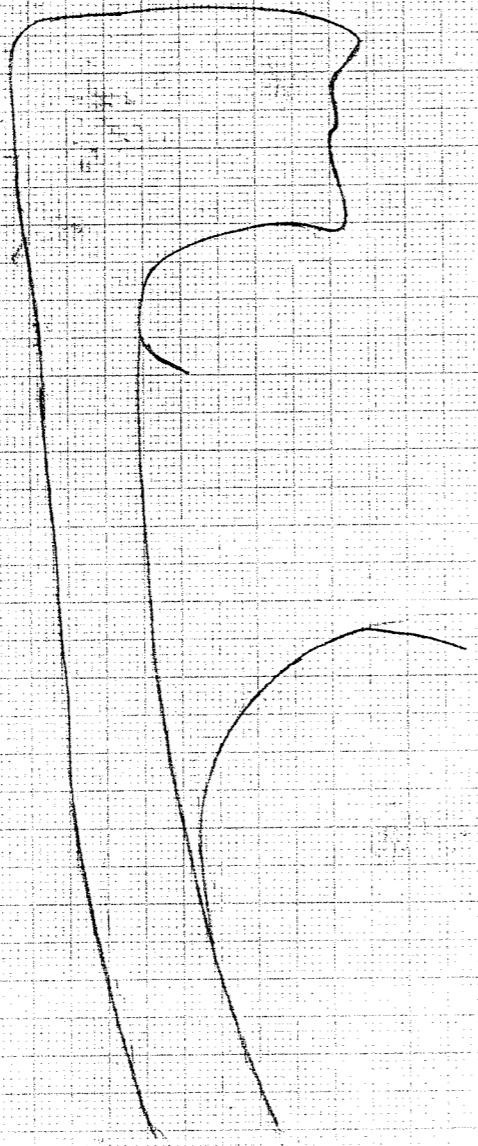
76.349
Ø 15
2.5YR 6/6
10R 6/6
Small incl.

AMPHORAE BASES

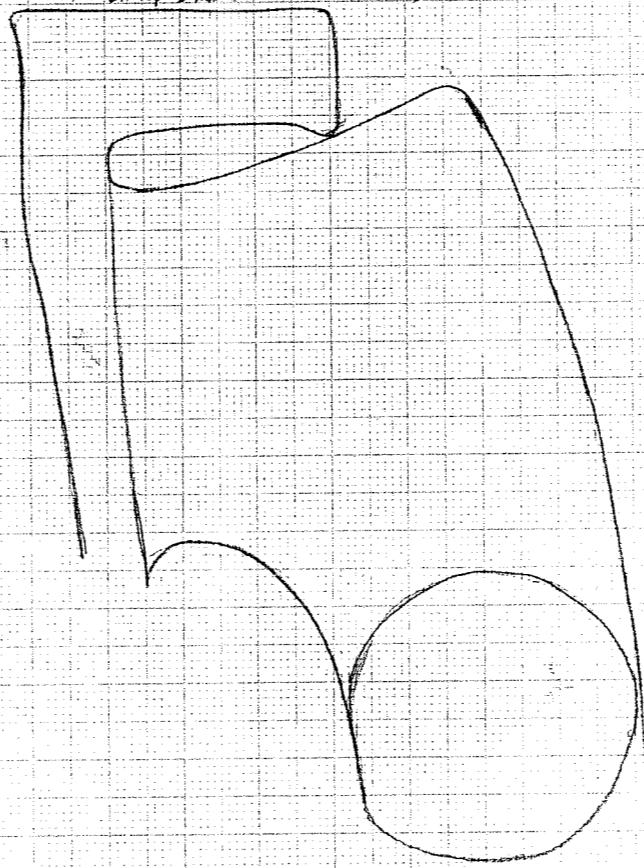


Incl. up to 10mm
Most up to 5mm

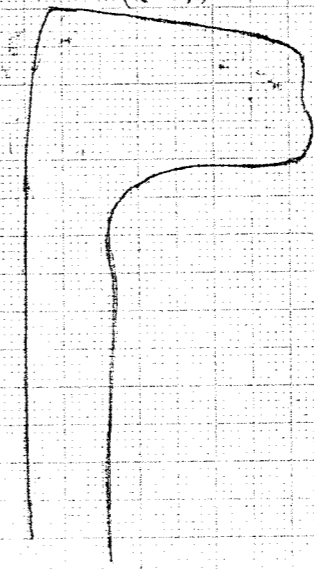
82.514
Ø 24.6
2.5 YR 6/6
6/



82.493
Ø 23.6
5YR 8/4
5YR 7/3
7/2
most incl. up 3mm (also up to 5mm)



77.1104
Ø 14.4
5YR 7/4 7/6
7.5YR 6/2
Incl. up to 5mm
(gray)

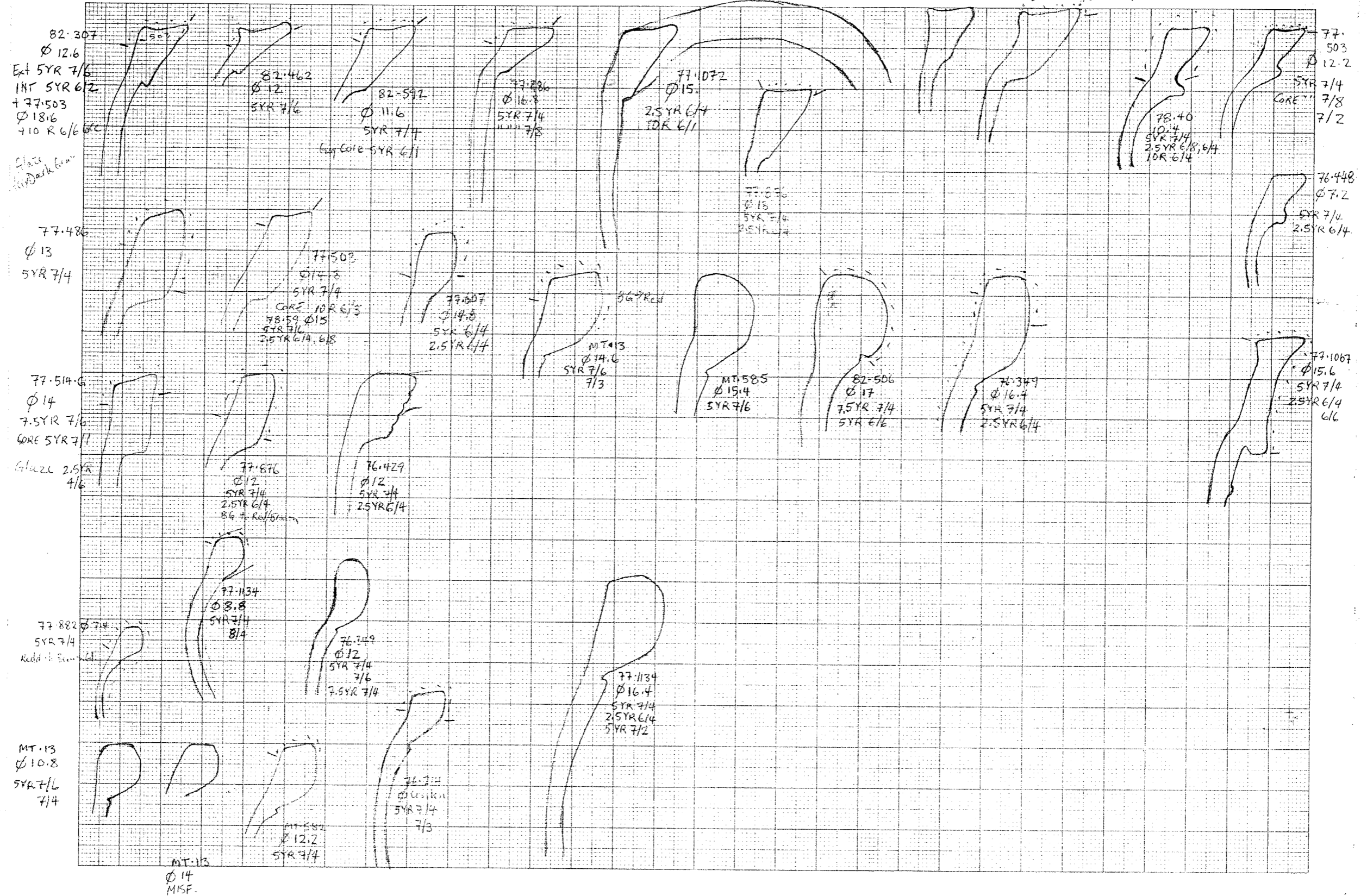


AMPHORAE RIMS

TABLE AMPHORA

76.234 ϕ 15
2.5YR 6/6, 6/4

76.234
 ϕ 14.4
5YR 7/4, 2.5YR 6/2



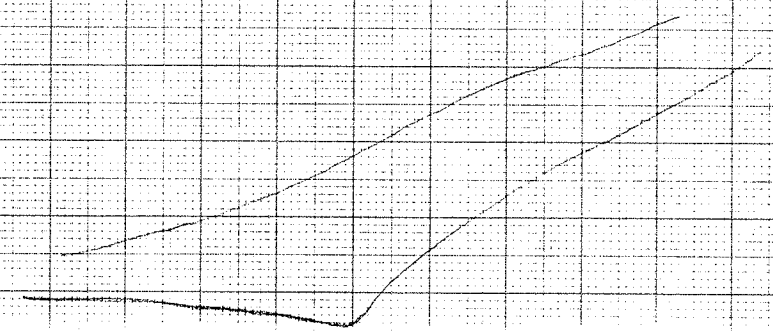
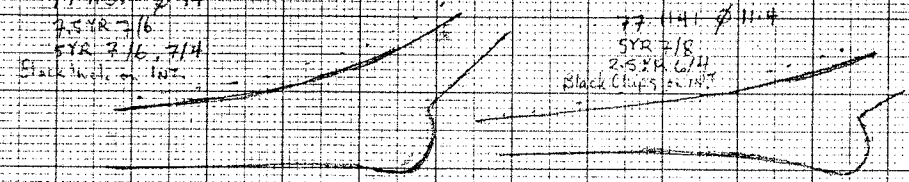
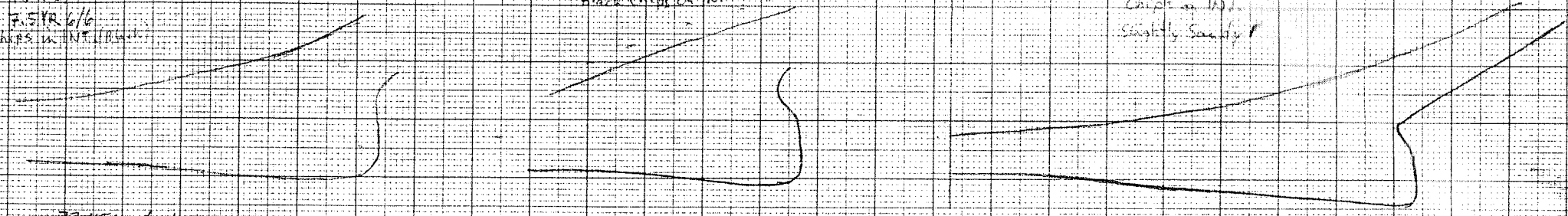
MT 584 0144
10R64
F.SYR 6/6
Black Cliffs NT

77-115 0142
MHSF
Black Cliffs NT

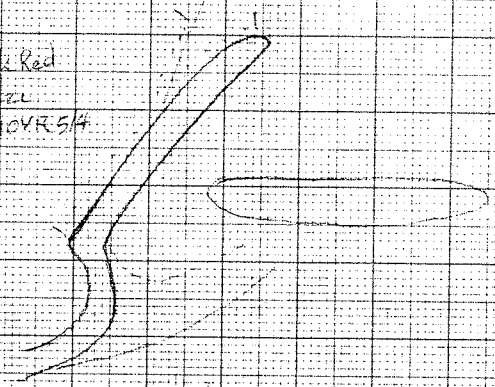
77-1151 016
R 6/6
7/3
Cliffs on NT
Slightly Sandy

77-1151 014
2.5YR 7/6
5YR 7/6-7/4
Black Cliffs NT

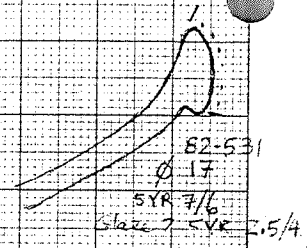
77-1141 0144
5YR 7/8
2.5YR 6/4
Black Cliffs NT



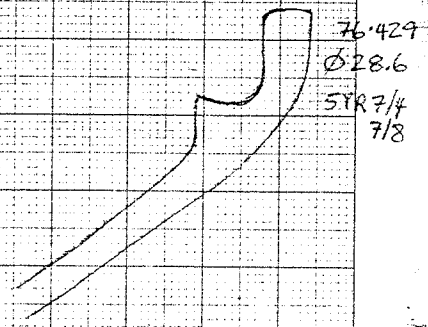
Weak Red
10/22
OVR 54



32-327-516.2
B.5YR 7/4 Pink

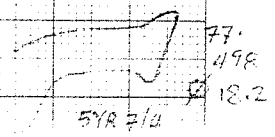


82-531
Ø 17
5YR 7/6
plate 7 CVR 2.5/4



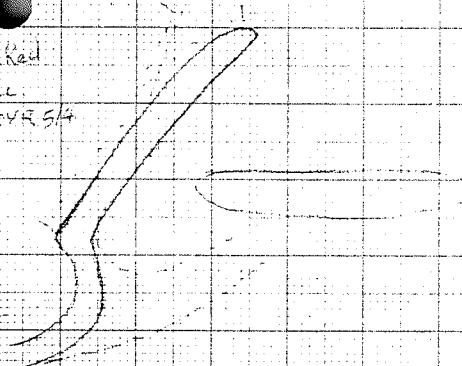
76.429
Ø 28.6
5YR 7/4
7/8

PLATE



77.498
Ø 18.2
5YR 7/4

Weak Red
L. 22.6
10/25/54

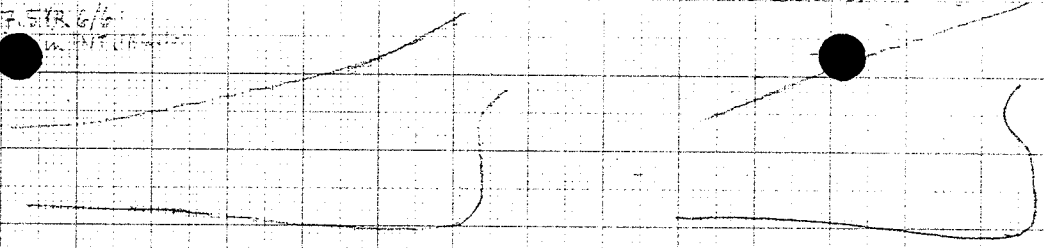


52-327-316.2
4.5427/4 Pink

108.012
F. SYR 6/16
C. SYR 7/16

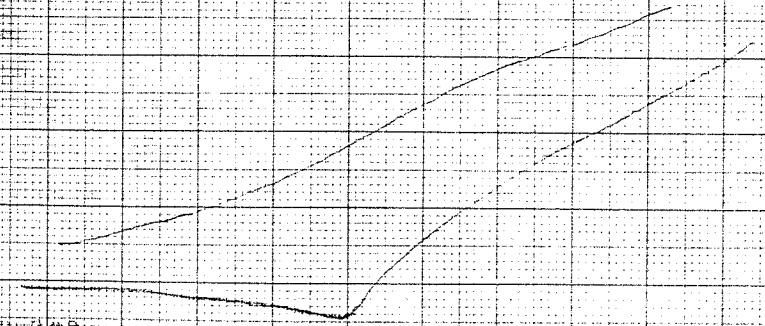
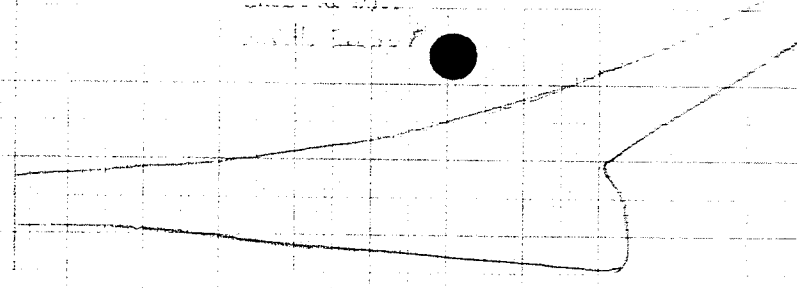
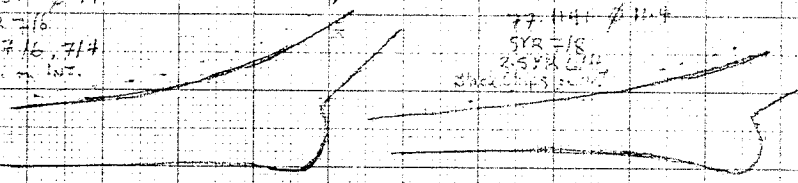
108.012

108.012
C. SYR 7/16

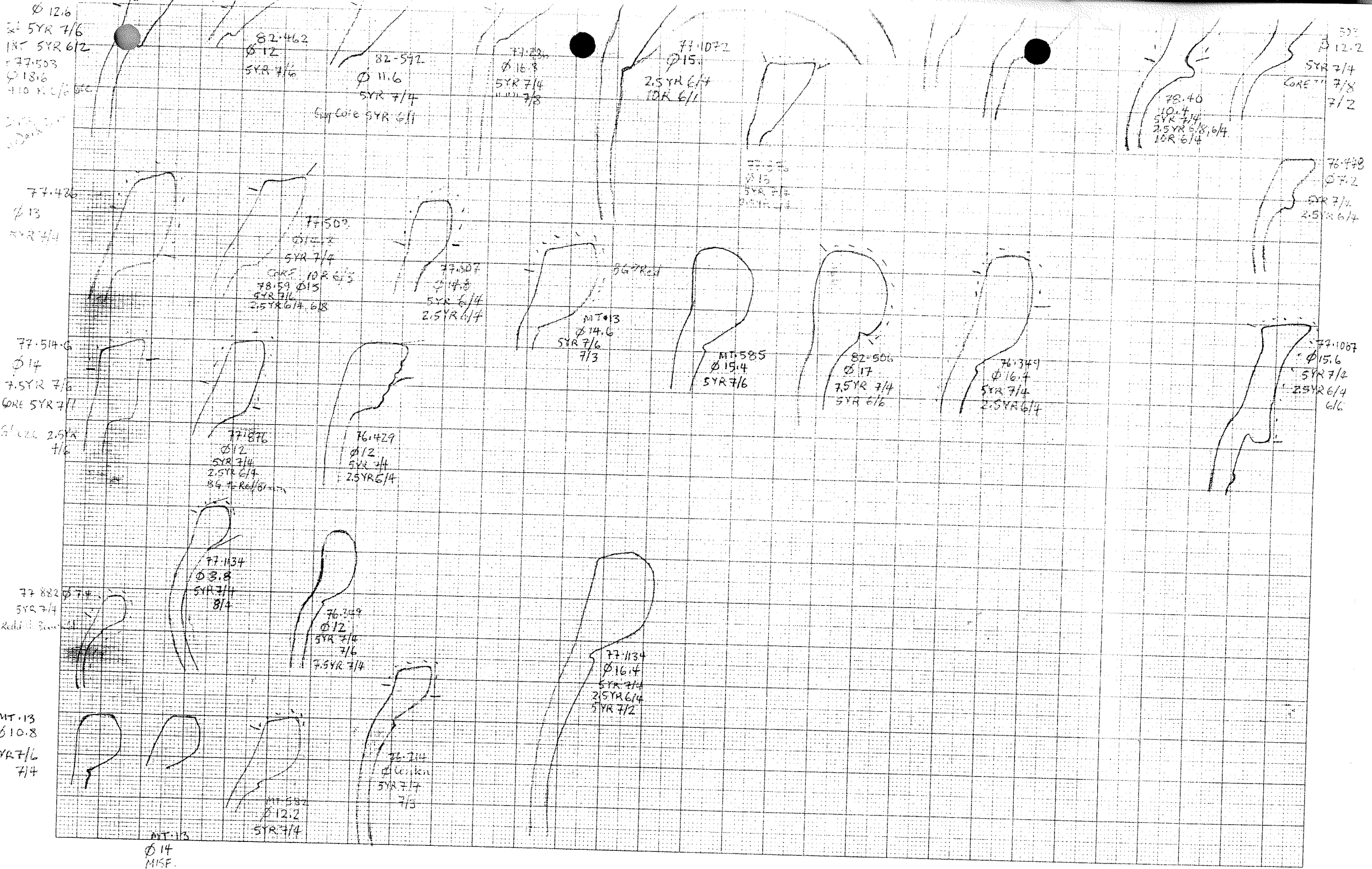


77.1151 2/14
2.5YR 2/16
5YR 7/16
Stack with 107.

77.1141 2/14
5YR 7/16
2.5YR 2/16
Stack with 107.



84.1349
2/12
3.5YR 2/14
Amount in 107
less than 107



Ø 12.6
SYR 7/6
MT SYR 6/2
77.503
Ø 13.6
410 X 1/2 60

82.462
Ø 12
SYR 7/6

82-592
Ø 11.6
SYR 7/4
Sup Core SYR 6/1

77.231
Ø 16.8
SYR 7/4
1111 7/8

77.1072
Ø 15
2.5YR 6/4
10R 6/1

78.40
Ø 10.4
SYR 7/4
2.5YR 6/4
10R 6/4

592
Ø 12.2
SYR 7/4
CORE 7/8
7/2

77.426
Ø 13
SYR 7/4

77.503
Ø 12.5
SYR 7/4
CORE 10R 6/4
78.59 Ø 15
SYR 7/6
2.5YR 6/4 6/8

77.507
Ø 17.8
SYR 6/4
2.5YR 6/4

MT-13
Ø 14.6
SYR 7/6
7/3

MT-585
Ø 15.4
SYR 7/6

82-506
Ø 17
7.5YR 7/4
SYR 6/6

76.349
Ø 16.4
SYR 7/4
2.5YR 6/4

77.1067
Ø 15.6
SYR 7/2
2.5YR 6/4
6/6

77.514.6
Ø 14
7.5YR 7/6
CORE SYR 7/1
5.122 2.5YR
7/6

77.876
Ø 12
SYR 7/4
2.5YR 6/4
8.6 7.2 Red/8

76.429
Ø 12
SYR 7/4
2.5YR 6/4

77.882
Ø 7.4
SYR 7/4
Red/8 3mm

77.1134
Ø 8.8
SYR 7/1
8/4

76.349
Ø 12
SYR 7/4
7/6
7.5YR 7/4

77.1134
Ø 16.4
SYR 7/4
2.5YR 6/4
SYR 7/2

MT-13
Ø 10.8
SYR 7/6
7/4

76.314
Ø 16.1
SYR 7/7
7/3

MT-582
Ø 12.2
SYR 7/4

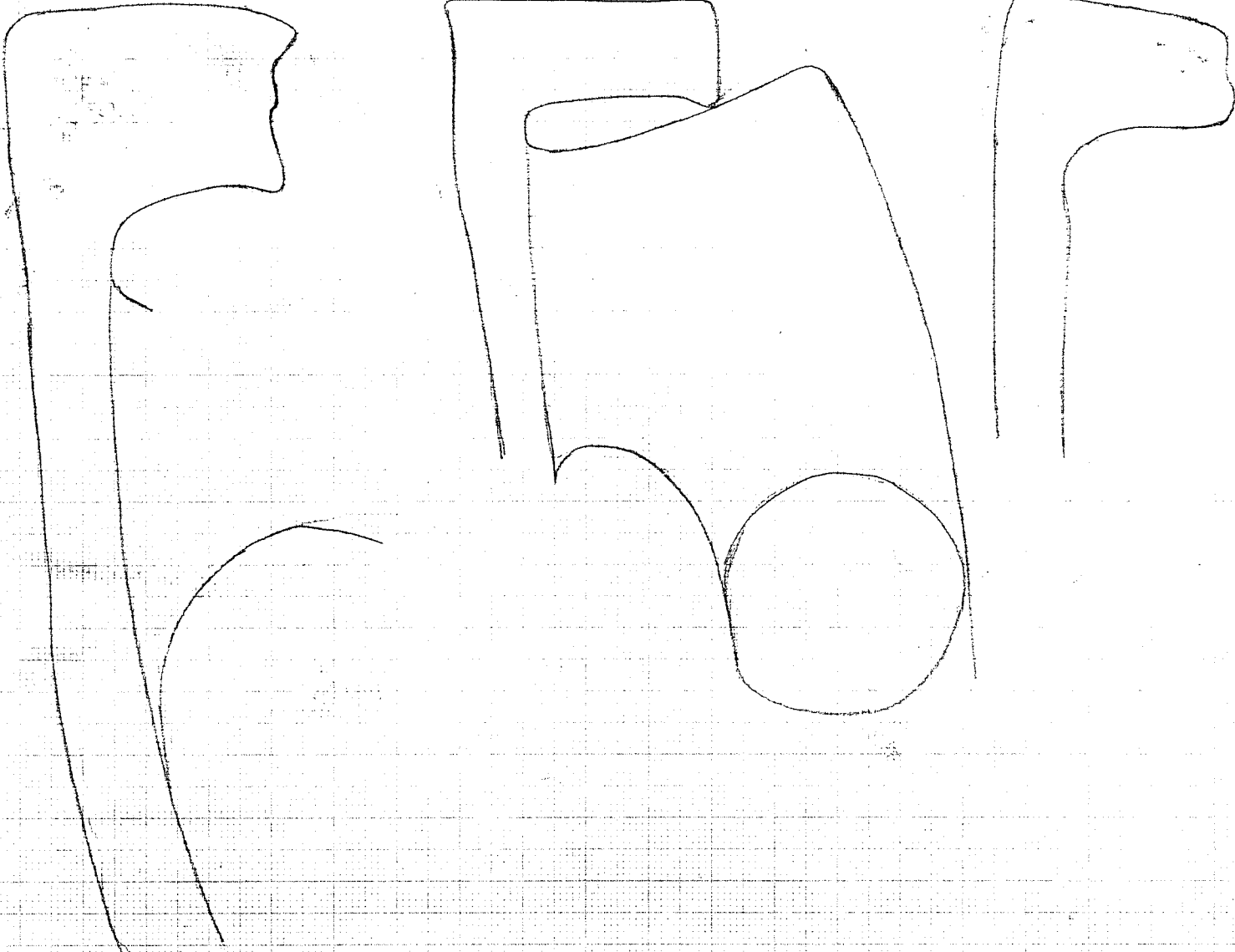
MT-13
Ø 14
MISE

Incl. up to 15 mm
up to 5 mm

2.5 YR 6/6
6/

5YR 5/1
5YR 7/3
7/2
most incl. 15 mm (allow up to 5 mm)

7.5 YR 6/2
Incl. up to 5 mm
(Gray)



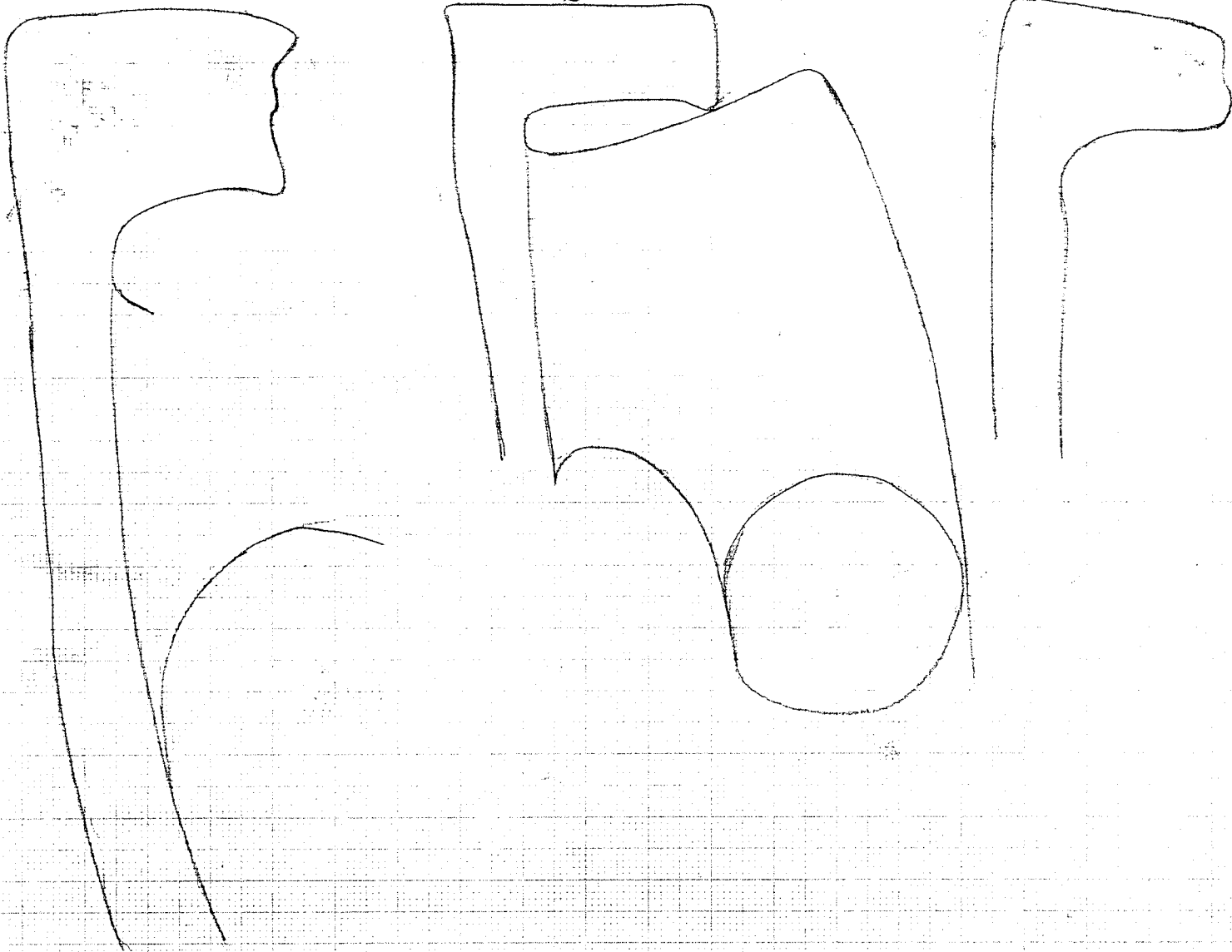
AMPHORAE RIMS

Incl. up to 13mm
up to 5mm

2.5 YR 6/6
6/

5YR 8/4
5YR 7/3
7/1
most incl. 13mm (also up to 5mm)

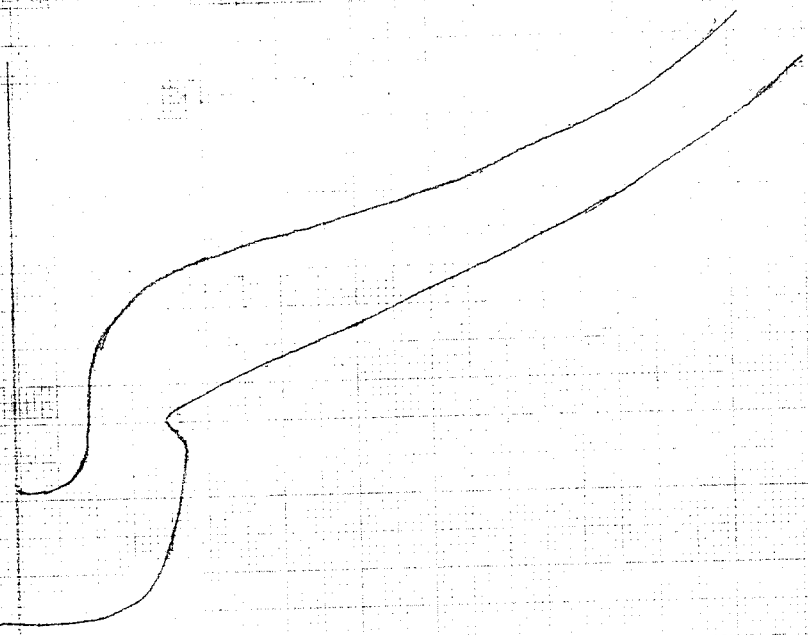
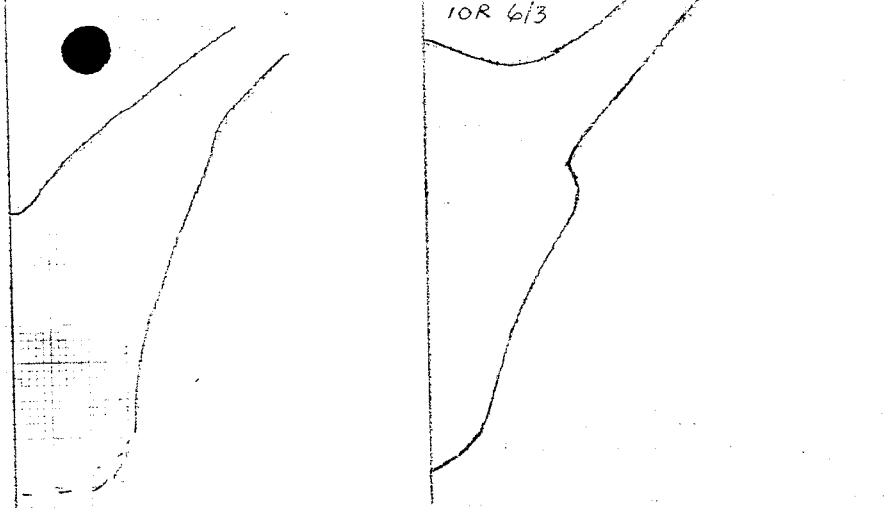
7.5 YR 6/2
Incl. up to 5mm
(gray)



AMPHORAE RIMS

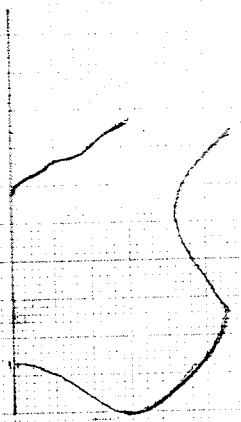
10R 6/3

78.154
5YR 7/4
7/6



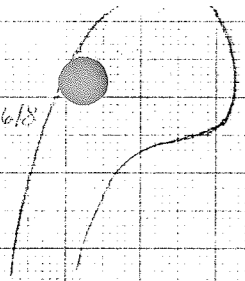
76.47
7.5YR 7/4
5YR 7/4

Some small not.
Flow up to 2mm



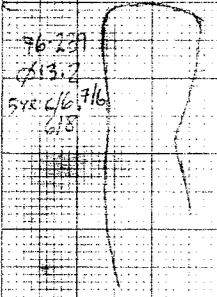
76.189
7.5YR 7/6
5YR 6/4
2.5YR 6/6

22.24
5YR 5/2
2.5YR 6/8

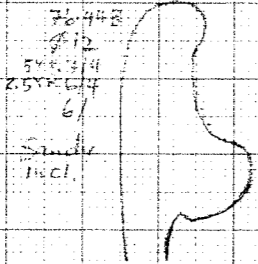


82.37
#13
2.5YR 6/6
Core 10YR 6/5

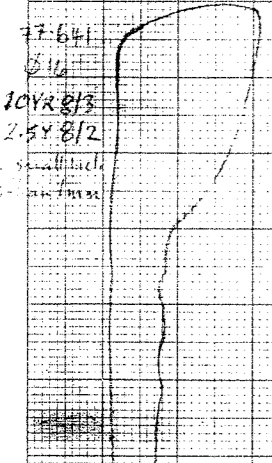
22.24
Base from
Laminar
structure



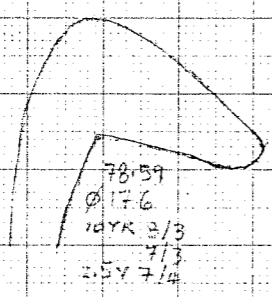
96.237
#13.7
5YR 6/6
6/8



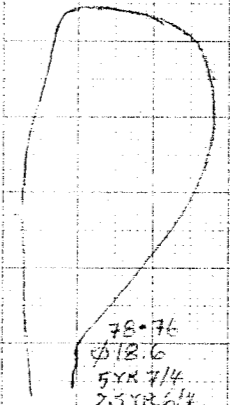
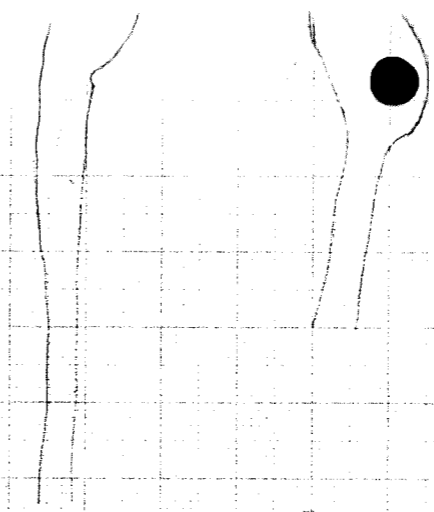
76.448
#12
5YR 3/4
2.5YR 6/4
6
Sandy
incl.



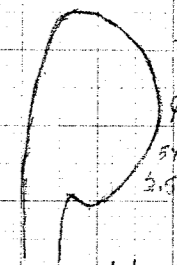
77.641
#11
10YR 8/3
2.5Y 8/2
Some small
leaf litter



78.59
#17.6
10YR 8/3
7/3
2.5Y 7/4

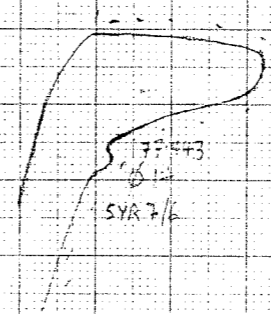


78.76
#18.6
5YR 7/4
2.5YR 6/4
Small incl.

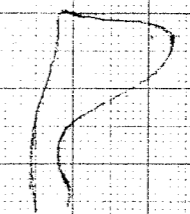


77.1134
#17.2
5YR 7/4
2.5YR 6/4

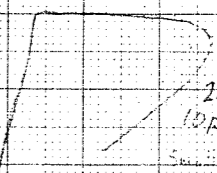
Lots of
small incl.
esp. 100-1 mm
(Quartz)



79.43
#14
5YR 7/6

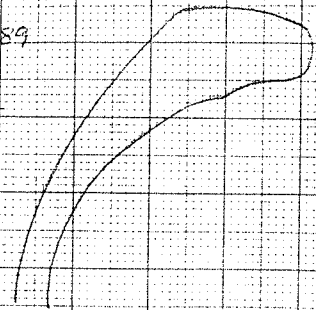


78.35
#13.4
2.5YR 6/4

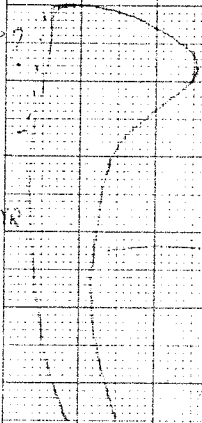


76.349
#15
2.5YR 6/6
10R 6/6
Small incl.

72-589
Ø 14
5YR 7/4

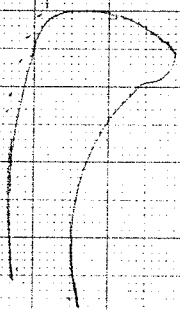


77-486
Ø 30.2
5YR 8/3
5YR 6/10

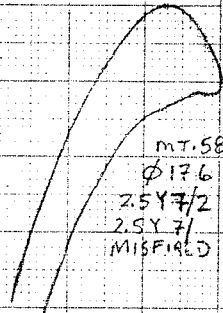


Glauca 25R
5/6

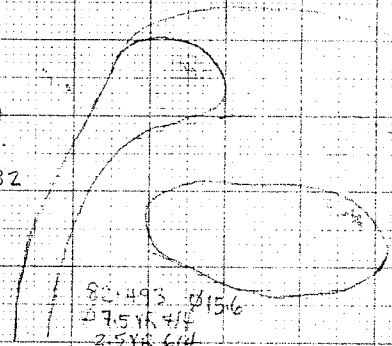
77-572
Ø 24.2
10R 8/3
Core 5YR 7/8
Glauca
2.5Y 6/6



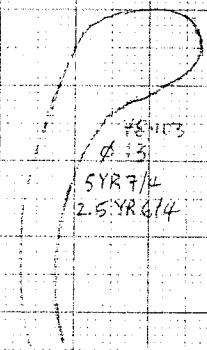
MT. 582
Ø 17.6
2.5Y 7/2
2.5Y 7/1
MISFIELD



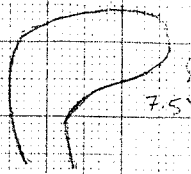
80-493 Ø 15.6
5YR 7/4
2.5YR 6/4
7.5/6
Ø 16.4
5YR 7/4
7/3



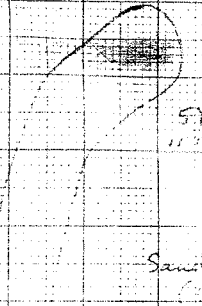
#8103
Ø 13
5YR 7/4
2.5YR 6/4



77-46
Ø 21.2
7.5YR 7/1

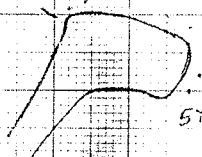


77-47
Ø 18
5YR 7/1
10YR 6/8



Sandy
6/10

MT.
582
Ø 16
5YR 7/4



77-105
Ø 26
2.5YR 6/4
5YR 7/4
Sandy

