

APPENDIX II
LEITZINGER AND CHAPMAN COLLECTIONS

Leitzinger and Chapman Collections

Andrew Leitzinger and Christopher Chapman of Dover, Delaware have spent several years surface-collecting prehistoric Indian sites in Kent County and their combined collections total 7,478 artifacts from 21 sites in A, C, and D blocks. Some of these sites are not located within the Rt. 13 Corridor, but since they are part of the collection, they were catalogued and are included in this appendix.

Their collection is significant for a number of reasons: 1) site specific provenience is available for over 95% of the total collection, 2) the sites had been previously registered with the BAHP in Dover and had been given state numbers, which facilitated analysis, 3) most sites were collected several times, suggesting the collections are representative of the artifacts available on the surface, 4) most of the sites are located along Muddy Branch, so a relatively intensive segment of the overall settlement pattern can be observed, and 5) collector biases are absent from the collections.

The artifacts in the collection are representative of all four pre-Contact periods of Delaware prehistory. No fluted points are included, but late Paleo stemmed and notched points were found at 9 of the 21 sites, Archaic materials at 8 of them, Woodland I artifacts at all 21, and Woodland II materials at 18 of the total.

The sites are listed below in numerical order within each block and the counts by tool categories and material types are provided. A short verbal summary of each site is also given. Where possible, preliminary conclusions are drawn about each site's functional role within the settlement system. See Figures 27 and 32 for the location of each site.

KEY FOR TABLES

Q - quartz
QZ - quartzite
C - chert
J - jasper
CHAL - chalcedony
I - ironstone
ARG - argillite
RHY - rhyolite
SA - sandstone
SI - siltstone
OTHER - other
Palmer cn - Palmer corner notched
Kirk cn - Kirk corner notched
Lehigh/K-C bs - Lehigh/Koens-Crispin broadspear
Long bs - Long broadspear
Susq bs - Susquehanna broadspear
Adena cn - Adena corner notched

SITE: 7K-A-17a

COLLECTOR: Chapman

Woodland I expanding stem points and Woodland II Townsend ceramics make up the majority of the small total of 29 artifacts from this site. One Lehigh/Koens-Crispin broadpoint of quartzite is present, as well as one rhyolite drill. Bifaces of rhyolite and argillite are included, suggesting trade and exchange was practiced. Overall, the assemblage suggests that the site was used as a Woodland I procurement site and a Woodland II micro-band base camp (Custer 1984, n.d.).

	Q	OZ	C	J	CHAL	ARG	RHY	TOT
Woodland I Points:								
Lehigh/K-C bs 1								1
expanding stem	1	1	4	2		1	1	10
contracting stem				1				1
square stem				1		1		2
corner notched				1				1
Other Chipped Stone								
Tools:								
early stage rejects			2					2
non-diagnostic bifaces				2				2
drills						1		1
utilized flakes				1				1
Unutilized flakes				3	1			4
SUBTOTAL:	1	4	10	5	1	1	3	25
Woodland II Ceramics:								
Townsend Corded								1
Townsend Plain								3
TOTAL ARTIFACTS								29

SITE: 7K-A-17b

COLLECTOR: Chapman

Similar to A-17a, this site contains Woodland I bifaces (Poplar Island and Fox Creek) and Woodland II Minguannan and Townsend ceramics. Numerous utilized flakes were also recovered. Once again, argillite and rhyolite are present among the material types, suggesting exchange was practiced.

	Q	QZ	C	J	CHAL	I	ARG	RHY	SA	SI	TOT
Woodland I Points:											
Fox Creek			1			1					2
Poplar Island-like square stem		2						1			2 1
Other Chipped Stone Tools:											
early stage rejects non-diagnostic			2								2
bifaces	1		4	2							7
scrapers				1							1
flake tools			1								1
utilized flakes			4	11							15
Unutilized flakes			5	6						1	12
SUBTOTAL:	1	2	17	20		1	1			1	43
Woodland II Ceramics:											
Townsend Plain											1
Minguannan Plain											2
TOTAL ARTIFACTS											46

SITE: 7K-C-86

COLLECTOR: Chapman

Site 7K-C-86 is actually a cluster of 3 sites in an 80-hectare field and it is not known whether this collection is from one, two, or all three of the sites. Diagnostic artifacts included one Woodland I corner-notched point and one Woodland II Killens Ware sherd. The most striking characteristic of this group of 184 artifacts is that 113 of them (61%) are utilized flakes of quartz, quartzite, and cryptocrystalline materials. The provenience problem clouds the significance of this fact, but it does appear that some sort of specialized activity was being conducted at wherever these artifacts were found.

	Q	QZ	C	J	CHAL	I	ARG	RHY	TOT
Woodland I Points:									
corner-notched			1						1
Other Chipped Stone									
Tools:									
early stage rejects	1								1
non-diagnostic									
bifaces			1	5			1		7
utilized flakes	4	3	23	80	3				113
Unutilized flakes	9	8	17	23			1		58
SUBTOTAL:	14	11	42	108	3		1	1	180
Woodland I Ceramics:									
steatite bowl fragments									1
Woodland II Ceramics:									
Killens Ware									1
Ground Stone Tools:									
hammerstone									1
abrader									1
TOTAL ARTIFACTS									184

SITE: 7K-C-8a

COLLECTOR: Chapman and Leitzinger

This large macro-band base camp is located on a 3-meter rise on the north side of an unnamed tributary to Muddy Branch. A total of 1090 artifacts were recorded, including 164 bifaces, 78 of which were diagnostic. Included were 4 Kirk and Palmer corner-notched points, 2 Kirk stemmed points (including 1 of argillite), 1 Archaic Period jasper bifurcate, large numbers of Bare Island/Lackawaxen stemmed points (Woodland I), Woodland II triangles, and ceramic and stone vessel fragments, including steatite, Marcey Creek, and Wolfe Neck sherds (Woodland I), and Minguannan and Townsend sherds (Woodland II). Cores, scrapers, an adze, a pestle, a hammerstone, a bipitted anvil stone, and numerous utilized flakes were also found. Seventy-four percent of the total artifacts is debitage. This fact plus the wide range of tool types suggests the site functioned as a macro-band base camp.

	Q	QZ	C	J	CHAL	I	ARG	RHY	TOT	
Paleo-Indian Points:										
Palmer cn				1					1	
Kirk cn			2	1					3	
Kirk stemmed			1				1		2	
Archaic Points:										
bifurcates				1					1	
Woodland I Points:										
Brewerton-like			1						1	
contracting stem			1				1		2	
square stem	14		9	18			4		45	
teardrop				1			1		2	
corner-notched	2	1	4	9			1	1	18	
Woodland II Points:										
triangles	1		2						3	
Other Chipped Stone Tools:										
early stage rejects	2		1	2			2		7	
late stage rejects	3			4					7	
non-diagnostic										
bifaces	21	3	17	18			9	4	72	
scrapers			13	22					35	
cores							2		2	
utilized flakes	19	5	19	21			1		65	
Unutilized flakes	226	77	142	327			2	18	11	803
SUBTOTAL:	288	86	212	425			2	40	16	1069

SITE: 7K-C-86a

COLLECTOR: Chapman and Leitzinger

(continued)

Woodland I Ceramics:

steatite bowl fragments	4
Marcey Creek	1
Wolfe Neck	2

Woodland II Ceramics:

Townsend Plain	2
Minguannan Plain	2

Ground Stone Tools:

hammerstone	1
pestle	1
bipitted stone	1
celt	1
undesignated	4

TOTAL ARTIFACTS	1090
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SITE: 7K-C-86B

COLLECTOR: Chapman and Leitzinger

This is another base camp, but unlike 86A, artifacts were found representing the Woodland I and II periods only. Stemmed and notched points, a single Wolfe Neck sherd, and 8 argillite cache blades are from the Woodland I, while the Woodland II is signified by 15 triangle points and Townsend, Rappahannock, and Killens Ware sherds. Grinding and woodworking tools were also present. The cache blades and ceramics suggest it was used as a macro-band base camp (Custer and Bachman, 1984:18).

	Q	QZ	C	J	CHAL	I	ARG	RHY	TOT
Woodland I Points:									
Lehigh/K-C bs	1								1
basally notched				1					1
contracting stem		1	1	2					4
square stem	2			4			3		9
side-notched				2					2
corner-notched	1			1					2
cache blades							8		8
Woodland II Points:									
triangles			3	10	1		1		15
Other Chipped Stone									
Tools:									
early stage rejects	1		5						6
scrapers				1					1
flake tools			1	1			1		3
utilized flakes	2		8	16	1				27
Unutilized flakes	44	11	58	110			7	3	233
SUBTOTAL:	51	12	76	148	2		20	3	312
Woodland I Ceramics:									
Wolfe Neck									1
Woodland II Ceramics:									
Rappahannock Incised									2
Townsend Corded									3
Townsend Plain									133
Killens Ware									5
Ground Stone Tools:									
pestle									1
bipitted stone									1
celt									1
TOTAL ARTIFACTS									459

SITE: 7K-C-86C

COLLECTOR: Chapman and Leitzinger

This is the largest of the C-86 group and sits on a 4-meter rise on the south side of Muddy Branch. A total of 1861 artifacts have been recovered from the site and all four prehistoric periods are represented. Of 279 bifaces found, 107 are diagnostic. Axes, celts, whetstones, hammerstones, and other woodworking and grinding tools, as well as steatite bowl fragments and nearly every Delaware ceramic type, can be found here. Once again, argillite cache blades are present, and a total of 19 rhyolite artifacts were recorded. One utilized flake was of a material very similar to Flint Ridge (Ohio) chalcedony. It is certainly a macro-band base camp.

	Q	QZ	C	J	CHAL	I	ARG	RHY	SA	SI	OTHER	TOT
Paleo-Indian Points:												
Palmer cn				1								1
Kirk cn			1									1
Kirk stemmed								1				1
Archaic Points:												
bifurcates		1										1
Woodland I Points:												
Fox Creek							6	2				8
Lehigh/K-C bs		1	1									2
Long bs		2		1								3
Poplar Island-like							1			1		2
contracting stem	4	2	8	5		1	4					24
square stem	4	1	9	9		1	2	1		1	1	29
other stemmed				2								2
teardrop			1	1			1					3
fishtail		1					1					2
side-notched			1	1								2
corner-notched			3	4								7
cache blades							5					5
Woodland II Points:												
triangles	1		5	10			2					18
Other Chipped Stone Tools:												
early stage rejects		5	12	19			3					50
non-diagnostic												
bifaces	24	12	21	33	1	3	23	2	1		2	122
scrapers	3		13	20				1				37
drills				1								1
flake tools	6	1	8	9				3	1		3	31
utilized flakes	4	6	41	55	1		2				1	110
cores	2	1		3								6
Unutilized flakes	176	142	306	447	2	2	60	9	2	1	32	1179
SUBTOTAL:	235	175	430	621	4	7	110	19	4	2	40	1647

SITE: 7K-C-86C

COLLECTOR: Chapman and Leitzinger

(continued)

Woodland I Ceramics:	
steatite bowl fragments	38
Marcey Creek	3
Dames Quarter	2
Wolfe Neck	1
Mockley	2
Hell Island	1
Woodland II Ceramics:	
Rappahannock Incised	4
Townsend Corded	1
Townsend Plain	112
Minguannan Plain	7
Non-diagnostic ceramics	7
Ground Stone Tools:	
hammerstone	7
pestle	5
bipitted stone	13
whetstone	1
truncated pyramidal	1
celt	6
3/4-grooved ax	1
full-grooved ax	2
TOTAL ARTIFACTS	1861

SITE: 7K-C-86S

COLLECTOR: Chapman

Only 29 artifacts have been recovered from the site, most of which are non-diagnostic biface fragments (although 8 are of argillite). One Lehigh/Koens-Crispin broadspear, a Bare Island-like point, one steatite bowl fragment, and a Mockley sherd make up the diagnostic segment. It is probably a base camp of undetermined size.

	Q	QZ	C	J	CHAL	I	ARG	TOT
Woodland I Points:								
Lehigh/K-C bs		1						1
square stem	1							1
Other Chipped Stone								
Tools:								
non-diagnostic bifaces	1	2	4	3			8	18
scrapers				3				3
flake tools				2	1			3
cores				1				1
SUBTOTAL:	2	3	4	9	1		8	27
Woodland I Ceramics:								
steatite bowl fragments								1
Mockley								1
TOTAL ARTIFACTS								29

SITE: 7K-C-87

COLLECTOR: Chapman

Leitzinger divides this site into two separate proveniences: 87A and B, which are about 75 meters apart on low rises on a minor unnamed tributary to Muddy Branch. Chapman does not separate his collection in this fashion, so provenience data is somewhat conflicting.

Chapman recorded just 88 artifacts from the site, yet bifaces span over 10,000 years of Delaware prehistory. The Paleo period is represented by a jasper Hardaway/Dalton point, while a bifurcated base point, numerous contracting stem (Rossville and Poplar Island-like styles), and jasper triangles represent the later periods. Mockley and Dames Quarter ceramics are also present, as well as large numbers of utilized flakes.

	Q	QZ	C	J	ARG	REY	SI	TOT
Paleo-Indian Points:								
Dalton/Hardaway				1				1
Archaic Points:								
bifurcates				1				1
Woodland I Points:								
Jack's Reef				1				1
Poplar Island-like			1					1
contracting stem	1		6	3				10
square stem		1		1				2
corner-notched		1	2					3
Woodland II Points:								
triangles				3				3
Other Chipped Stone								
Tools:								
non-diagnostic bifaces	2	1		1		1		5
utilized flakes	1		9	21				31
cores	1		2	1				4
Unutilized flakes	2	3	4	1	1		3	14
SUBTOTAL:	7	6	24	34	1	1	3	76
Woodland I Ceramics:								
steatite bowl fragments								3
Dames Quarter								1
Mockley								3
Ground Stone Tools:								
hammerstone								2
abrader								2
celt								1
TOTAL ARTIFACTS								88

SITE: 7K-C-87A

COLLECTOR: Leitzinger

One Hardaway and 2 Kirk stemmed points came from this site, along with Woodland I points and ceramics and Woodland II triangles. A stone mortar, pecked and pitted stones, an adze, and hammerstones indicate a base camp function for the later occupations.

	Q	QZ	C	J	I	ARG	RHY	SA	SI	TOT
Paleo-Indian Points:										
Dalton/Hardaway				1						1
Kirk stemmed		1		1						2
Woodland I Points:										
contracting stem	1		2	3						6
other stemmed			1	1						2
corner-notched			2	2						4
Woodland II Points:										
triangles		1		2						3
Other Chipped Stone Tools:										
non-diagnostic bifaces	1						1			2
utilized flakes	1		7	8	1		1			18
Unutilized flakes	21	7	11	12		5			1	57
SUBTOTAL:	24	9	23	30	1	5	2		1	95
Woodland I Ceramics:										
steatite bowl fragments										3
Marcey Creek										1
Mockley										3
Ground Stone Tools:										
hammerstone										4
bipitted stone										2
monopitted stone										1
pecked stone										1
adze										1
TOTAL ARTIFACTS										111

SITE: 7K-C-87B

COLLECTOR: Leitzinger

Like Leitzinger's 87A and Chapman's collection from this site, the collection is small but the temporal distribution of artifacts is great. Although only 81 artifacts were found, all four major Delaware prehistoric periods are represented. Three Kirk stemmed points (one of rhyolite), one quartz bifurcate, various stemmed points, and a relatively large percentage of 8 triangle points, are the diagnostics from the site.

	Q	QZ	C	J	CHAL	ARG	RHY	TOT
Paleo-Indian Points:								
Kirk stemmed		2					1	3
Archaic Points:								
bifurcates	1							1
Woodland I Points:								
expanding stem				2				2
contracting stem	1			1		1		3
square stem				1			1	2
Woodland II Points:								
triangles	1		2	4	1			8
Other Chipped Stone Tools:								
early stage rejects	3							3
non-diagnostic bifaces	4		1	7	1			13
scrapers			1					1
flake tools				1				1
utilized flakes			3	4				7
Unutilized flakes	9		7	14		5	1	36
SUBTOTAL:	19	2	14	34	2	6	3	80
Ground Stone Tools:								
celt								1
TOTAL ARTIFACTS								81

SITE: 7K-C-88

COLLECTOR: Leitzinger and Chapman

This multi-component site, located further up Muddy Branch from 7K-C-86C, also appears to be a large base camp, as a wide variety of chipped and ground stone tools and Woodland I and II ceramics were recorded. Diagnostic artifacts from the collection include Palmer corner-notched points, bifurcates, a wide variety of Woodland I stemmed and notched points, and a large number of triangular points (30% of diagnostics). Also recovered were pitted stones (mortars), hammerstones, a full-grooved ax (Archaic Period), and a gorget. Utilized flakes make up 18% of the total artifacts from the site (102 of 568). Woodland I (Wolfe Neck) and Woodland II ceramics (Rappahannock Incised, Townsend Corded, and Townsend Plain) are also present.

	Q	QZ	C	J	CHAL	I	ARG	RHY	SI	OTHER	TOT
Paleo-Indian Points:											
Palmer cn			2								2
Archaic Points:											
bifurcates	2			1							3
Woodland I Points:											
Fox Creek							1				1
Jack's Reef			1								1
expanding stem	1			1	1						3
contracting stem	7		3	10	1	2	1	1		1	26
square stem	6	1	2	3		2	4				18
side-notched				3							3
corner-notched			1	3	1						5
Woodland II Points:											
triangles	3		6	16	1			1			27
Other Chipped Stone Tools:											
early stage rejects	7	2	12	4		1					26
late stage rejects	6		6	5				1			18
non-diagnostic											
bifaces	3	2		6			9				20
scrapers			1	4							5
flake tools				1							1
utilized flakes	2	2	26	71					1		102
cores				1							1
Unutilized flakes	41	14	61	133							249
SUBTOTAL:	78	21	121	262	4	5	15	3	1	1	511

SITE: 7K-C-88

COLLECTOR: Leitzinger and Chapman

(continued)

Woodland I Ceramics:
Wolfe Neck 4

Woodland II Ceramics
Rappahannock Incised 5
Townsend Corded 2
Townsend Plain 40

Ground Stone Tools:
hammerstone 6
bipitted stone 3
full-grooved ax 1
gorget 1
undesignated 1

TOTAL ARTIFACTS 574

SITE: 7K-C-90

COLLECTOR: Chapman and Leitzinger

The C-90 site lies opposite C-88 on the north bank of Muddy Branch and is cut by 2 ephemeral streams. It covers less area than many of the sites along this stream, but at one-and-one-half hectares, it is still large enough to be considered a macro-band base camp. Although no woodworking tools were present, numerous other ground stone tools were, as well as ceramics and chipped stone tools from all periods. The Paleo-Indian tools included Dalton points and both Kirk varieties, while the Archaic was represented by 1 Neville point and 3 bifurcates. About 90% of the diagnostic points were stemmed and notched varieties from the Woodland I.

	Q	QZ	C	J	CHAL	I	ARG	RHY	SI	OTHER	TOT
Paleo-Indian Points:											
Dalton/Hardaway			1					1			2
Kirk cn				2							2
Kirk stemmed								1			1
Archaic Points:											
Neville/Stanly			1								1
bifurcates			1	2							3
Woodland I Points:											
Lehigh/K-C bs	1	2		1				1			5
contracting stem	7	1	6	7			5	2			28
square stem	19	5	14	39	1	2	11			2	93
teardrop	1		1	1							3
side-notched								1			1
corner-notched			2					1			3
Woodland II Points:											
triangles		2	5	2							9
Other Chipped Stone Tools:											
early stage rejects	17	13	14	30		1	2	1			78
late stage rejects	11	1	9	11			6				38
non-diagnostic											
bifaces	8	1	6	8	2			2	1	1	29
scrapers		1	9	16							26
flake tools				2							2
utilized flakes	4		30	44	2						80
cores	1		1	1							3
Unutilized flakes	140	71	204	306	3	6	53	13	20	3	819
SUBTOTAL:	209	97	304	472	8	9	77	23	21	6	1226

SITE: 7K-C-90

COLLECTOR: Chapman and Leitzinger

(continued)

Woodland I Ceramics:	
steatite bowl fragments	8
Wolfe Neck	2
Mockley	3
Woodland II Ceramics:	
Rappahannock Incised	1
Townsend Corded	5
Townsend Plain	5
Non-diagnostic ceramics	5
Ground Stone Tools:	
hammerstone	1
pestle	1
bipitted stone	6
undesignated	4

TOTAL ARTIFACTS 1267

SITE: 7K-C-91

COLLECTOR: Leitzinger and Chapman

This site lies on a rise on the west side of Muddy Branch, opposite the C-88 site. Diagnostics include Woodland I and II bifaces and ceramics but nothing earlier. The only other tools were a celt and a utilized flake and 60% of the inventory is debitage. A base camp function is indicated by the site's areal extent and the high percentage of debitage, but the low total number of artifacts and the limited number of tool types suggest a procurement site. Thus, the site's function is clouded by conflicting data.

	Q	QZ	C	J	I	ARG	RHY	TOT
Woodland I Points:								
contracting stem				1				1
square stem				1			1	2
corner-notched				1				1
Woodland II Points:								
triangles			1	2		1		4
Other Chipped Stone Tools:								
early stage rejects	2	1	2	3				8
late stage rejects		2	4	5				11
non-diagnostic bifaces				1				1
utilized flakes				1				1
Unutilized flakes	17	2	31	56	4	3	1	114
SUBTOTAL:	19	5	38	70	5	4	2	143
Woodland I Ceramics:								
Marcey Creek								1
Woodland II Ceramics:								
Townsend Corded								4
Townsend Plain								28
Killens Ware								4
Non-diagnostic ceramics								4
Ground Stone Tools:								
adze								1
TOTAL ARTIFACTS								185

SITE: Folly Site

COLLECTOR: Chapman

The location of this site is unknown, but most likely it is in eastern Kent County. The collection includes only 32 total artifacts, almost all of which are steatite vessel fragments, Mockley Net-Impressed sherds, and other non-diagnostic sherds. No conclusions about function can be drawn except that it is probably not a procurement site.

	JASPER	TOTAL
Unutilized flakes	1	1
SUBTOTAL:	1	1
Woodland I Ceramics:		
steatite bowl fragments		2
Mockley		11
Non-diagnostic ceramics		18
TOTAL ARTIFACTS		32

SITE: 7K-D-10

COLLECTOR: Chapman

This site is part of the Little River/Pipe Elm Branch study area (Area 5) and a portion of it was re-surveyed by the UDCAR survey crew (the remainder was obscured by crop growth). The UDCAR survey produced only one pitted stone, one utilized flake, and other debitage. Chapman's collection includes 1 Archaic bifurcate, 24 stemmed and notched Woodland I points, 7 Woodland II triangles, 4 celts, 1 atlatl weight, and utilized and unutilized flakes, but no ceramics. It is thought to be a base camp.

	Q	QZ	C	J	CHAL	I	ARG	RHY	TOT
Archaic Points:									
bifurcates	1								1
Woodland I Points:									
expanding stem				1					1
contracting stem							4		4
square stem	6	3		5		1	1		16
fishtail			1		1				2
side-notched			1						1
Woodland II Points:									
triangles			1	6					7
Other Chipped Stone Tools:									
early stage rejects	1	1	2				1		5
non-diagnostic bifaces	3	1	4	7		2	1	2	20
utilized flakes	3	5	14	30			2		54
Unutilized flakes	3		5	5			10		23
SUBTOTAL:	17	10	28	54	1	3	19	2	134
Ground Stone Tools:									
celt									4
atlatl weight									1
TOTAL ARTIFACTS									139

SITE: 7K-D-21

COLLECTOR: Chapman

This is the previously excavated Hughes-Willis Site (Thomas et al. 1975:70-78) off Long Point Road on the north side of an unnamed tributary to Little River. Chapman's collection includes 1 Palmer corner-notched point and 1 Kirk stemmed point, Woodland I stemmed and notched points, and Woodland II triangles. Thomas et al. (1975:73) report only triangles from the site, so the pre-Woodland II types reported here are significant. Steatite bowl fragments, Marcey Creek, Wolfe Neck, and Townsend ceramics are also present. Thomas et al. (1975:76) report that most of the ceramics are Townsend series and mention that small amounts of ceramics were found but do not specify. Custer (1984:163) designates the site as a macro-band base camp.

	Q	QZ	C	J	CHAL	ARG	RHY	OTHER	TOT
Paleo-Indian Points:									
Palmer cn				1					1
Kirk stemmed							1		1
Woodland I Points:									
square stem			3	4					7
corner-notched			1	2			1		4
Woodland II Points:									
triangles				4					4
Other Chipped Stone Tools:									
non-diagnostic bifaces			1	3					4
scrapers			1	1					2
flake tools	1	1							2
utilized flakes	2		4	9					15
cores			1						1
Unutilized flakes		1	4	19	1	3		1	29
SUBTOTAL:	3	2	15	43	1	3	2	1	70

Woodland I Ceramics:
steatite bowl fragments 2
Marcey Creek 3
Wolfe Neck 1

Woodland II Ceramics:
Townsend Incised 4
Townsend Pseudo-cord 9
Townsend Plain 30

TOTAL ARTIFACTS 119

SITE: 7K-D-42

COLLECTOR: Chapman

This site consists entirely of Woodland I and II points, ceramics, and limited debitage and is thought to be a base camp.

	QZ	C	J	ARG	RHY	SI	TOT
Woodland I Points:							
Fox Creek			1	1	4		6
contracting stem	1		1				2
square stem		2					2
side-notched		1					1
corner-notched			1				1
Woodland II Points:							
triangles		1	1		1		3
Other Chipped Stone Tools:							
non-diagnostic bifaces		2	3		1		6
scrapers		1					1
utilized flakes		7	14				21
Unutilized flakes	1	11	28		5	2	47
SUBTOTAL:	2	25	49	1	11	2	90
Woodland I Ceramics:							
Mockley							4
Hell Island							1
Woodland II Ceramics:							
Townsend Plain							6
Ground Stone Tools:							
abrader							1
TOTAL ARTIFACTS							102

SITE: 7K-D-46

COLLECTOR: Leitzinger and Chapman

Like 7K-D-21, this site is also located off the west side of Long Point Road northwest of Little Creek, but on the south side of the unnamed tributary to Little River. One Kirk corner-notched point (Paleo-Indian) and one jasper bifurcate were found in addition to numerous Woodland I and II points. Woodland II ceramics (but no Woodland I), 3 celts, many scrapers, and utilized flakes (35% of total artifact assemblage) are other artifact categories represented. Although data is sketchy, the site is thought to have served as a Woodland I procurement site and a Woodland II base camp.

	Q	QZ	C	J	CHAL	I	ARG	SI	OTHER	TOT
Paleo-Indian Points:										
Kirkcn									1	1
Archaic Points:										
bifurcates				1						1
Woodland I Points:										
Lehigh/K-C bs						1				1
Poplar Island-like	6	3		2				1		12
expanding stem	1			1						2
square stem	1		1	4	1		1			8
other stemmed	1									1
fishtail									1	1
corner-notched				5						5
Woodland II Points:										
triangles		1		3	1					5
Other Chipped Stone										
Tools:										
early stage rejects	4	2	1	12						19
late stage rejects	4		4	11			3			22
non-diagnostic bifaces			3	20	1					24
scrapers		1	7	18						26
utilized flakes	2	5	36	119	2					164
Unutilized flakes	7	3	27	30						67
SUBTOTAL:	26	15	79	226	5	1	4	1	2	359
Woodland II Ceramics:										
Rappahannock Incised										2
Townsend Corded										4
Townsend Plain										78
Ground Stone Tools:										
celt										3
TOTAL ARTIFACTS										446

SITE: 7K-D-59

COLLECTOR: Chapman

This site is located at the confluence of two unnamed tributaries to the Herring Branch of Simons River, east of Delaware 9. Although it is located outside of the Rt. 13 Corridor, it was part of the collection and is being summarized as part of this appendix. All of the artifacts from the site fall into just a few categories: Woodland I and II points and ceramics, steatite bowl fragments, and scrapers. However, there is notable variation within the Woodland I materials. Twenty-five of the 72 Woodland I bifaces are Adena stemmed and notched varieties and a few sherds of Coulbourn ceramics was included. Ten of the 25 Adena points were of rhyolite, while the remainder were of local cryptocrystallines, quartz, and quartzite. Seven Fox Creek points and 2 chert Lehigh/Koens-Crispin points were present along with many Rossville and Bare Island/Lackawaxen points. Without contextual data, no hard conclusions can be drawn about the variation in point types. However, it would seem that a variety of activities were conducted here which required different tool types.

	Q	QZ	C	J	I	ARG	RHY	SI	TOT
Woodland I Points:									
Fox Creek			4	1		1	1		7
Lehigh/K-C bs			2						2
Adena stemmed	1		4	3			10	1	19
Adena cn	1	1	3	1					6
expanding stem				7		1			8
contracting stem			2	5	1	2			10
square stem		2	5	4	1	4	2		18
Woodland II Points:									
triangles	1		2	5					8
Other Chipped Stone									
Tools:									
non-diagnostic bifaces		5	8	25	1	3			42
scrapers				2					2
SUBTOTAL:	3	8	30	53	3	11	13	1	122
Woodland I Ceramics:									
steatite bowl fragments									2
Wolfe Neck									19
Coulbourn									3
Mockley									29
Hell Island									4

SITE: 7K-D-59

COLLECTOR: Chapman

(continued)

Woodland II Ceramics:	
Townsend Incised	7
Townsend Pseudo-cord	9
Townsend Plain	64
Minguannan Plain	8

TOTAL ARTIFACTS	267
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