

ARCHAEOLOGICAL SURVEY IN THE LONG TOM SUB-BASIN, UPPER WILLAMETTE VALLEY, OREGON

By

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Report to the

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PREFACE AND ACKNOWLEDGEMENTS

The Long Tom Archaeological Survey was carried out under a research contract authorized under Public Law 89-665 between the Oregon State Historic Preservation Office and the Oregon State Museum of Anthropology, University of Oregon. Drs. Don E. Dumond and Rick Minor, and Kathryn Anne Toepel, a doctoral candidate in Anthropology, served as Co-Principal Investigators for this project. The responsibility for the development of the research design, the management of the field survey, and the preparation of this final report was the responsibility of the author throughout the project.

Fieldwork for this project was conducted primarily between February 1983 and June 1984. James B. Cox and Sara Scott served as field directors and provided invaluable assistance in keeping track of the numerous landowners and survey tracts within the project area. The following students provided their time and energies during the survey:

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The assistance of Rick Minor in all phases of this project is gratefully acknowledged by the author. The artifact drawings were drafted by Pamela Endzweig.

Deepest thanks go to the many landowners who opened their lands and artifact collections to the survey crews. Without their cooperation, this project would have been impossible.

The field notes and artifact collections obtained during this project are stored at the Oregon State Museum of Anthropology at the University of Oregon.

TABLE OF CONTENTS

																					Page
Pref	ace	and	Ac	kno	wle	dger	nen	ts	•											•	ii
List	of	Fig	ure	s.	•		•		•	•	•										iv
List	of	Tab	les	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	V
INTR	ODU	CTIO	N.	•	•		•	•	•	•	•	•	•	•			•	•	•	•	1
ENVI	RON	MENT	AL	SET	TIN	G:	LO	NG	TOM	SU	B–B	ASI	N.	•	•	•	•	•		•	4
PREV	IOU	S IN	VES	TIG	ATI	ons	•	•	•	•	•		•				•	•			6
PROJ	ECT	DES	IGN	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	11
SURV	EY	METH	ODO	LOG	Y.	•	•	•	•	•		•		•	•	•	•	•	•	•	17
PROJ	ECT	RES	ULT	s.	•	•	•	•	•	•		•	•	•	•				•		18
		mmai	•							-	•	•		•		•			•		18
									Arti				•	•	•	•	•	•	•	•	25
	ОЪ	serv	/ati	ons.	on	Оъ	sid	ia	n Av	ail	abi	lit	y i	.n t	he	Lor	ıg I	om.			
		S	Sub-	bas	in	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	27
SUMM	IARY	ANI	000	NCI	USI	ONS	•	•	•	•	•	•	•	•	•	•	•	•	•	•	29
Refe	eren	ces	Cit	:ed	•				•	•	•			•					•		32
Appe	endi	.x A	: I	and	lowr	er	and	S	ite	Sur	vey	Fo	rms	з.	•	•	•	•	•	•	35
Appe	endi	.х В	: /	Arcl	naec	108	gica	1	Site	e Re	ecor	d F	ori	ns.	•			•	•		42

LIST OF FIGURES

Figure		Page
1	Location of Long Tom Sub-basin project area north- west of Eugene, Oregon	2
2	Distribution of Long Tom band of Kalapuya in the Willamette Valley	3
3	Location of the Long Tom hydrologic sub-basin in the Upper Willamette Valley	5
4	Location of surveyed tracts and excluded areas within the project area	16
5	Location of all recorded sites within the Long Tom Sub-basin project area	19
6	Location of archaeological sites in relation to the contact vegetation zones of 1853-54	23
7	Projectile points from the Long Tom project area	26

LIST OF TABLES

Table		Page
1	Summary of previously recorded archaeological sites within the project area	8
2	Summary of tax lots by section within project area	12
3	Summary of survey results	15
4	Summary of recorded archaeological sites	21
5	Summary of archaeological sites by contact vegetation zone	24
6	Summary of collected projectile points	25

INTRODUCTION

This report describes the methodology and results of a large-scale survey for cultural resources carried out within the Long Tom Sub-basin in Lane County, Oregon. The survey was carried out in 1983 and 1984 by archaeologists from the Oregon State Museum of Anthropology under a Survey and Planning Grant awarded by the Oregon State Historic Preservation Office.

The project area consists of privately-owned lands located west and north of the city of Eugene (Figure 1). The project area is 168 square miles in extent, measuring 12 miles north-south by 14 miles east-west, the bulk of which is in T16-17S, R4-5W. It is bounded on the east by the Willamette River and the city of Eugene, and on the west by the eastern foothills of the Coast Range. This area was selected for survey for five main reasons:

- 1. It encompasses a range of physiographic and vegetational settings, differences in the environment which were presumably considered by the prehistoric inhabitants when selecting locations for settlements.
- 2. Several of the more important archaeological sites investigated to date in the Willamette Valley are located within or very near this area (specifically, the Lingo [35LA29], Benjamin [35LA41-43] and Flanagan [35LA218] sites). It was expected that the survey results would help to establish the prehistoric contexts of these important sites in relation to other prehistoric settlements in the area.
 - 3. For the most part, the area has not been previously surveyed

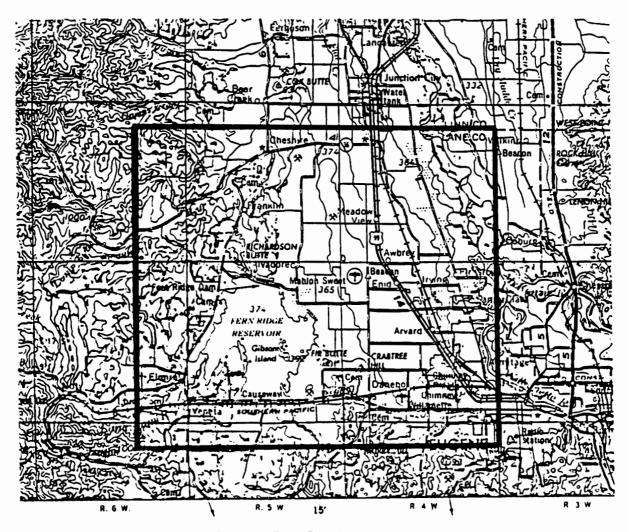


Figure 1. Location of Long Tom Sub-basin project area northwest of Eugene, Oregon (USGS Salem quadrangle, 1963, 1:250,000).

in a systematic manner and it undoubtedly contains a large number of archaeological sites.

4. A look at the distribution of Kalapuya Indian groups at the time of historic contact (Figure 2) indicates that, in most cases, each group occupied its own sub-basin within the Willamette Valley. In turn, each sub-basin offered a range of riverine, lowland and upland environments containing different subsistence resources. In view of this observation, it seems more meaningful to begin to examine

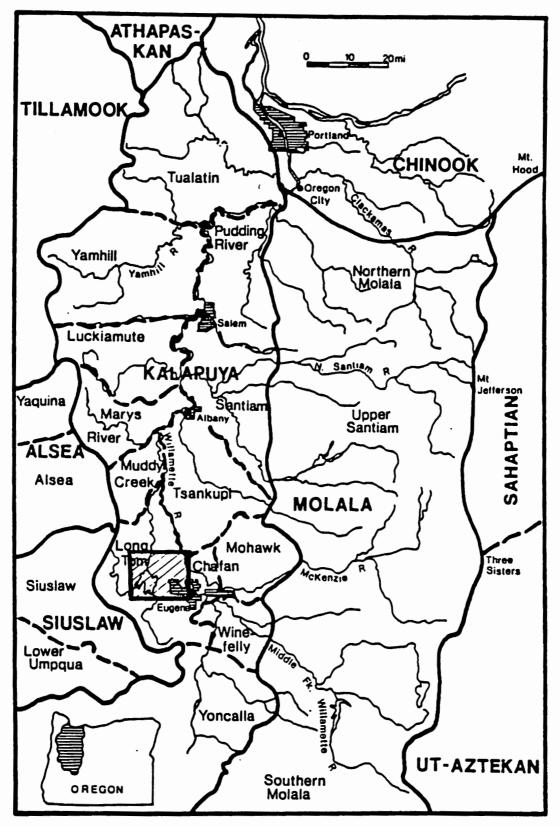


Figure 2. Distribution of Long Tom band of Kalapuya in the Willamette Valley (project area is shaded; from Toepel and Beckham 1981:56).

aboriginal subsistence and settlement patterns within each of the separate sub-basins, rather than attempting, as White (1975a) did, to propose a model applicable to the Willamette Valley as a whole (Minor and Toepel 1981:147).

5. It is an area of urban growth gradually being developed into residential subdivisions and commercial complexes. Such developments generally result in the destruction of archaeological resources. In view of the project area's urban location, it was hoped that the results of this study would be of some use to land use planners involved in making decisions about future development of this area.

ENVIRONMENTAL SETTING: LONG TOM SUB-BASIN

The project area is centrally located in the Long Tom River sub-basin (Figure 3). The Long Tom River drainage is located in the Upper Willamette Valley and is bounded on the west and south by hills of the Coast Range. No clearly defined physical features determine the northeastern boundary which separates the sub-basin from the McKenzie and Muddy Creek watersheds. The Long Tom sub-basin encompasses approximately 526 square miles (1362 km² or 336,600 acres) in extent.

The sub-basin can be divided into the flat alluvial plain forming the northeastern part and the hills which make up the rest. The former, which contains most of the level or relatively level land in the entire Upper Willamette Basin, varies in elevation from 120 meters at the southern end to 75 meters at the northern end of the sub-basin. The area to the south and west of the alluvial plain is a region of gently rolling to moderately rough topography. Ninety-five percent of the sub-basin area lies below 300 meters and consists of lands having a flat or moderate gradient. The remaining five percent has elevations of 300 meters or more and consists of steep or relatively steep land.

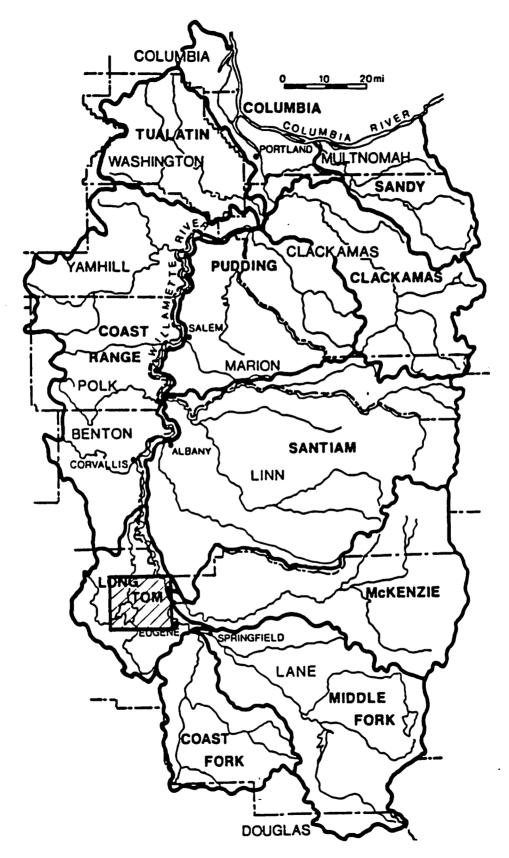


Figure 3. Location of the Long Tom hydrologic sub-basin in the Upper Willamette Valley (project area is shaded; from Oregon State Water Resources Board 1967:8).

Approximately 70% of the sub-basin is drained by the Long Tom River and its tributaries. Coyote Creek is the largest of the tributaries, having a watershed of about 2600 km². Other tributaries of significance are Amazon, Bear and Ferguson creeks. All streams in the Long Tom system originate in the Coast Range. Most of these are characterized by flat gradients. About 65 km of the main stem of the Willamette River meanders along the northeastern boundary of the sub-basin and abuts on the northeastern corner of the project area as well. A number of intermittent streams flowing parallel to the Willamette main stem drain the flat lands on the valley floor. The largest of these, Flat Creek, joins the Willamette near Monroe. Nearly one-third of the sub-basin is drained by such minor tributaries directly into the main stem. There are in all about 1100 stream kilometers of which about 500 km are perennial streams.

In addition to information available on the environment and geomorphic surface in the project area from various sources (e.g., Zimmerman 1927; Baldwin and Howell 1949; Balster and Parsons 1968), data on the natural contact-era vegetation has been previously reconstructed for the project area in a study by Johannessen and others (1971).

PREVIOUS INVESTIGATIONS

Although ethnographic records contain almost no reference to the Kalapuya groups living in the vicinity of Eugene at the time of historic contact, it is likely that the area was occupied by the Long Tom Creek group, also called the Chelamela. This group, mentioned in Hodge (1907:242), is noted simply for occupying the banks of Long Tom Creek (now Long Tom River) on the west side of the Willamette River (Figure 2). Berreman (1937:22) was inclined to consider them another band of the Calapuya proper because of the general lack of reference to

this group, which is not mentioned in any of the later historic treaties.

The history of archaeological research within the project area is well told by the site forms for the 45 previously recorded sites in the area (Table 1). The first archaeological work of substance within the present project area was conducted by Laughlin and Collins in 1950 at the Perkins Peninsula site (35LA282) at Fern Ridge Lake. This work was reported by Collins (1951) in the first synthesis of Willamette Valley prehistory. Archaeological investigations did not begin in earnest in the project area, however, until 1967 and 1968 when the University of Oregon sponsored the summer field school at the Benjamin sites (35LA41-43). Previous years (1965-1966) had been spent at the Lingo site (35LA29) immediately north of the project area (Cordell 1975).

Site forms were apparently not filled out for previously excavated sites until 1970 when archaeological survey work began in the area. At that time, Southard and Woodward led surveys for the University of Oregon with the purpose of recording sites in the Upper Willamette Valley (Southard 1970, Woodward 1970). The methodology used in locating sites during these early projects is not always clear, but most of the surveys appear to have been generally based on informant information rather than on systematic field survey. Twelve sites were recorded within the project area at this time.

A later survey in 1973, known as the Flat Creek Survey, was carried out by Oregon State University for the National Park Service and resulted in the recording of five sites in the area (Piontkowski et al. 1974). Another University of Oregon field school was concentrated on the Flanagan site (35LA218) and two adjacent scatters (35LA242, 243) in 1975, 1976 and 1978 (Toepel and Minor 1978). The contract archaeology program at the University of Oregon was responsible for the recording and/or excavation of additional sites, primarily in the Fern Ridge

Table 1. Summary of previously recorded archaeological sites within the project area.

Project/ Site Number	Location T R S E	levation	Site V Type* Z		Extent (m)	Recorder/Date
Benjamin	Sites (Mill	er 1975):	}			
35LA41 35LA42 35LA43	16S 5W 27 16S 5W 27 16S 5W 27	345' 345' 345'	LGS LGS LGS	P/A P/A P/A	25 x 25 15 x 60 20 x 20	Peterson 1974 Peterson 1974 Peterson 1974
1970 Upp Whi	er Willamet te 1975a):	te Valley	Survey	(South	ard 1970, Wo	oodward 1970,
35LA71 35LA72 35LA73 35LA74 35LA75 35LA76 35LA77 35LA80 35LA147 35LA170 35LA197	17S 4W 11 16S 5W 28		LS L	P/O P/O P P P/O P/O P/A P/H P/O	65 x 100 20 x 100 extensive 75 x 500 200 x 300 200 x 200 200 x 500 30 x 30 150 x 400 30 x 30	White 1970 White 1970 White 1970 White 1970 White 1970 White 1970 Southard 1970 Fortner/ Southard 1969 Southard 1970
35LA204		_	LS	P	30 x 30	Piontkowski/ Francey 1973
35LA205	5 16S 4W 9	335'	LGS	P	60 x 300	
35LA20	6 16S 4W 9	335'	LS	P	90 x 300	— ·
35LA20	9 16S 4W 8	335'	LS	P	25 x 100	
35LA21	0 16S 4W	330'	LGS	P	50 x 200	

Table 1 (continued)

Project/ Site Number	Location T R S Ele	evation	Site \Type* 2	Veg. Zone+	Extent (m)	Recorder/Date				
Flanagan	Flanagan Site (Toepel and Minor 1980, Toepel 1985):									
35LA218 35LA242 35LA243	17S 4W 17 17S 4W 17 17S 4W 17	365' 365' 365'	LGS LGS LGS	P P P	30 x 30 30 x 30 40 x 40	Follansbee 1975 Smith 1976 Smith 1976				
1978 Ferr	n Ridge Surve	y (Minor	1978):							
35LA280 35LA281 35LA282	17S 5W 30 17S 5W 35 17S 5W 27	380' 380' 380'	LS LS LGS	P P P	20 x 30 20 x 20 400 x 650	Minor 1978 Minor 1978 Minor 1978; Thomas, Cox & Wenger 1981; Cheatham 1984				
	nty Waste Dis Mays 1979):	posal Ar	ea Surv	eys (F	ollansbee 19	78, Follansbee				
35LA381 35LA355 35LA356 35LA357 35LA358	16S 4W 33 16S 4W 34 16S 4W 34 16S 4W 35 16S 4W 35	360' 365' 365' 365' 370'	LGS LS LS LS	P P P/A P/A	400 x 20+ 200 x 300 150 x 50+ unknown unknown	Follansbee 1978 Follansbee 1979 Follansbee 1979 Follansbee 1979 Follansbee 1979				
ODOT Not	i-Veneta High	way Pro	ject:							
35LA439 35LA440 35LA658	17S 6W 35 17S 6W 35 17S 6W 36	395† 395† 395†	LS LS LS	P/0 0 0	120 x 50 45 x 90 120 x 75	Spear 1980 Spear 1980 Pettigrew 1985				
1981 Fer	n Ridge Surve	y/1982-	1984 Exc	avatio	ons (Cheathar	n 1984):				
35LA565 35LA566 35LA567 35LA568 35LA647	•	345' 345' 345' 345' 375'	LGS LGS LGS LGS LGS	P P P P	35 x 50 40 x 60 25 x 35 25 x 70 80 x 700	Cox/Thomas 1981 Thomas 1981 Wenger 1981 Thomas 1981 Cox/Wenger 1981				

Table 1 (continued)

Project/ Site Number	Locat T R		Elevation		Veg. Zone+	Extent (m)	Recorder/Date			
Miscellaneous Recorded Sites:										
35LA215 35LA466 35LA467 35LA649 35LA659 35LA660	17S 41 18S 41 18S 41 17S 41 17S 51 17S 51	7 5 7 5 7 25 7 34	375' 520' 560' 400' 490' 475'	LS LS LS LGS LS	P/0 0 0 0 P 0	unknown 50 x 20 100 x 100 80 x 10 15 x 15 60 x 60	Brauner 1974 Baxter 1981 Baxter 1981 Connolly 1984 Weatherby 1981 Weatherby 1981			

* Site Type: LS = Lithic Scatter

LGS = Lithic/Ground Stone Scatter

+ Vegetation Zones: P = Prairie

P/O = Prairie/Oak
P/A = Prairie/Ash
P/H = Prairie/Hemlock

0 = 0ak

vicinity (Cheatham 1984). The most recent project, begun in 1980 and continuing today, is the Noti-Veneta highway project being investigated for the Oregon Department of Transportation through the Oregon State Museum of Anthropology; three sites (35LA439, 440, 658) have been recorded and initially investigated to date on that project.

A project of great relevance to the present study area is an intensive survey of Fern Ridge Reservoir which was undertaken in 1981 by the U.S. Army Corps of Engineers. More than 100 sites were recorded during the project. The results of the project are still being analyzed, and a majority of the sites have not yet been entered into the state files. As a result, the Fern Ridge sites are not included in this study, but it is anticipated that their inclusion in the general site data base

will provide much needed information on the central area of the Long Tom Sub-basin.

PROJECT DESIGN

Before the initiation of this project, 45 sites had been recorded within the project area during the execution of a number of survey and excavation projects over the past twenty years. No systematic or large-scale surveys had been carried out in the area, and neither the potential nor the difficulties inherent in conducting a survey of the magnitude proposed was known at the time this project was initiated.

The greatest difficulty anticipated during this project was the countless number of land owners encompassed within the project boundaries. Although hundreds and even thousands of landowners were anticipated as part of the sampling universe, the project was not initially set up to handle a project area which turned out to contain 30,471 tax lots (refer to Table 2 for a summary of tax lots by section within the project area). Each tax lot generally has from one to three owners, although some lots have multiple owners (for example, 72 owners were counted for one lot and 80 owners for another). As a result, the number of landowners included within the project area undoubtedly exceeds 50,000 and may approach 100,000 although the exact number has not been calculated.

The ramifications of the large number of landowners and the corresponding decrease in the size of tax lots to be surveyed were increasingly felt as the project progressed. The major changes required by the number of tax lots involved included: (1) a switch from a transect survey design to a block area design, and (2) a drastic reduction in the sample area surveyed due to increased coordination requirements and other paperwork.

Table 2. Summary of tax lots by section within project area.

T	R	Section	# of Tax Lots	Т	R	Section	# of Tax Lots
16S	4W	7	35	16S	5W	21	34
		8 9	65 36			22 23	3 5 9 9 9
		10	36 33			23 24	9
		11	23			25	ģ
		12	19			26	9
		13	24			27	12
		14	26			28	29 9
		15 16	42 70			29 30	23
		16 17	25			31	51
		18	4			32	16
		19	11			33	12
		20	52			34	34
		21	4			35 36	121 3
		22	56 25			20	3
		23 24	14	16S	6W	1	35
		25	18			2	30
		26	12			11	6
		27	53			12	8 5 9
		28	38 29			13 14	29
		29 30	15			23	4
		31	8			24	40
		32	11			25	16
		33	20			26	24
		34	17			35 36	33 66
		35	240			36	00
		36	28	179	5 4	w 1	361
16	S 5	W 7	23	• • • • • • • • • • • • • • • • • • • •			1163
10		W 7 8 9 10	24			3	775
		9	17			4	113
		10	92			5	33
		11	12			2 3 4 5 6 7 8	1 33
		12 13	16 12			8	27
		14	18			9	78
		15	15			10	550
		16	43			11	1637
		17	33			12	454 51.7
		18	27 47			13 14	517 1494
		19 20	19			15	442
		20	19				

Table 2 (continued)

T	R	Section	# of Tax Lots	T	R	Section	# of Tax Lots
175	4W	16	934	178	5W	24	48
		17	671			25	54
		18	28			26	federal
		19	38 39			27 28	federal federal
		20 21	1097			29	313
		22	1031			30	29
		23	1003			31	304
		24	852			32	103
		25	843			33	federal
		26	736			34	federal
		27	925			35	federal
		28	589			36	63
		29	42			_	
		30	47	17S	6W	1	48
		31	66			2	27 50
		32 33	67 116			11 12	50 108
		33 34	593			13	34
		35	960			14	42
		36	1627			23	66
						24	100
17S	5W	1	9			25	192
			175			26	67
		2 3 4 5 6 7	55			35	17
		4	9			36	441
		5	39			_	
		6	77 27	185	4W	1	1871
		7	27			2 3 4	1617
		8 9	9			3 4	763 36
		10	federal 51				36 73
		11	96			5 6	46
		12	82			· ·	40
		13	96	185	5W	1	12
		14	federal			2	14
		15	federal			3	19
		16	federal			4	76
		17	federal			1 2 3 4 5 6	97
		18	123			6	424
		19	64			, .	
		20	122	188	614	1 2	68
		21	federal			2	53
		22 23	federal federal				
		2.3	reactar				

The research design proposed at the beginning of this project was to include coverage of the entire project area using transects which would crosscut the Long Tom Sub-basin at half-mile intervals and produce more representative coverage of the project area both in terms of environmental and vegetation zones. The transect survey was to result in an intensive coverage of approximately 12.5% of the project area. An underlying assumption of this methodology was that a systematic interval (transect) sample is simpler to carry out and also yields more accurate estimates of the values of the total population (Judge et al. 1975).

The project was initiated with the systematic transect design, but it quickly became obvious that the method would not work in a project area which is more urban/suburban than it is rural, and which consequently has a rather high density of tax lots and a corresponding high number of landowners, renters and leasees, all of whom must be consulted and cooperate before land can be surveyed. More than 700 letters requesting survey permission were sent to landowners (Appendix A), of which 281 (40%) were returned (Table 3). Such a high return rate is considered excellent for mailing surveys or requests and is taken as an indication of local interest in archaeology. Of the returned permission forms, 65.1% granted permission to survey, 29.2% denied permission, and 5.7% responded with information on recent changes in property ownership. As a result of both the non-responses and the negative responses, it was impossible to survey a transect greater than a mile in length within the project area. Because of problems of access (i.e., having to cross land where survey permission was denied in order to reach land where survey permission was granted), the transect approach was dropped early in the 1983 season in favor of a block area survey.

Under the block area survey, tax lots greater than 20 acres in extent were favored for survey as smaller lots were considered to

Table 3. Summary of survey results.

Total acreage in original project area	107,529
Total acreage in revised project area	70,400
Total number of tax lots in project area	30,471
Number of permission request sent	707
Number of positive responses received	183
Number of negative responses received	82
Other responses	16
Number of surveyed tax lots	93
Number of surveyed acres	6,440
Percent of total project area surveyed (168 mi ²)	6%
Percent of revised project area surveyed (110 mi ²)	9%
	_

require a much greater expense of travel time and paperwork than the acreage covered warranted. Block areas (tax lots) to be surveyed were chosen from the landowners who had responded positively to the survey request sent out under the transect design.

Under the revised survey design, sections under federal or municipal ownership (such as Mahlon Sweet Airport and Fern Ridge Reservoir) were excluded from the survey sample. In addition, all sections with more than 100 tax lots were also excluded under the assumption that the vast majority of the lots would be smaller than 20 acres and too difficult to survey under the present project. Eighteen sections were excluded as federally/municipally owned, and 40 sections were excluded as exceeding 100 tax lots (Figure 4). As a result, the 168-square-mile project area was reduced to 110 square miles for sampling purposes. A few larger tracts were selected for survey within the excluded sections where permission was received, but such exceptions were relatively rare.

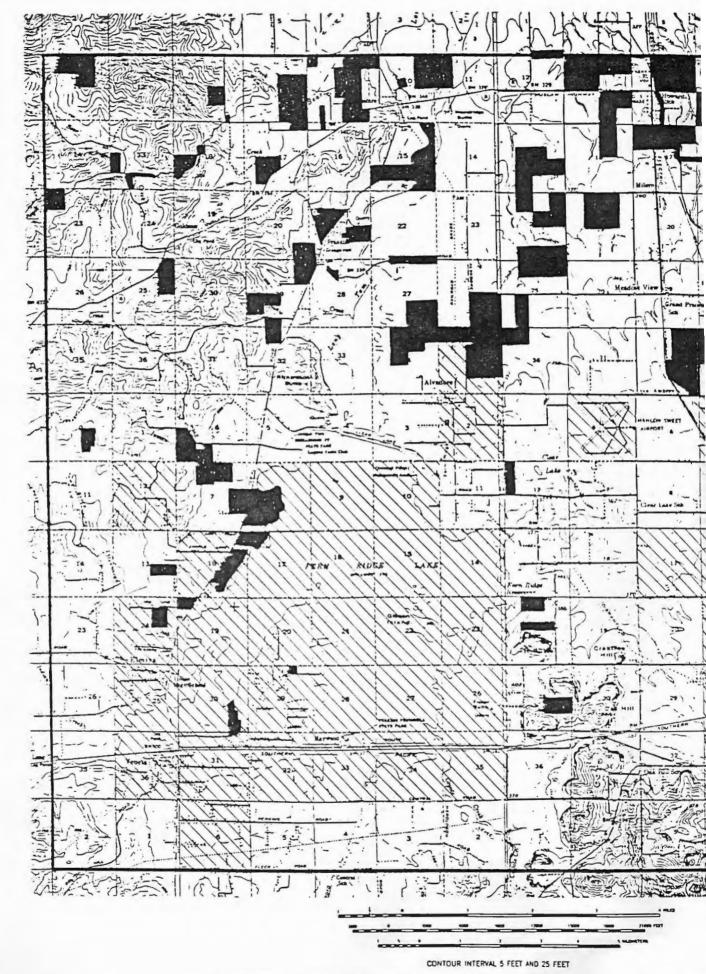


Figure 4. Location of surveyed tracts (solid areas) and exc (shaded sections) within the project area (USGS) quadrangle, 1967, and Eugene 15' quadrange, 1946

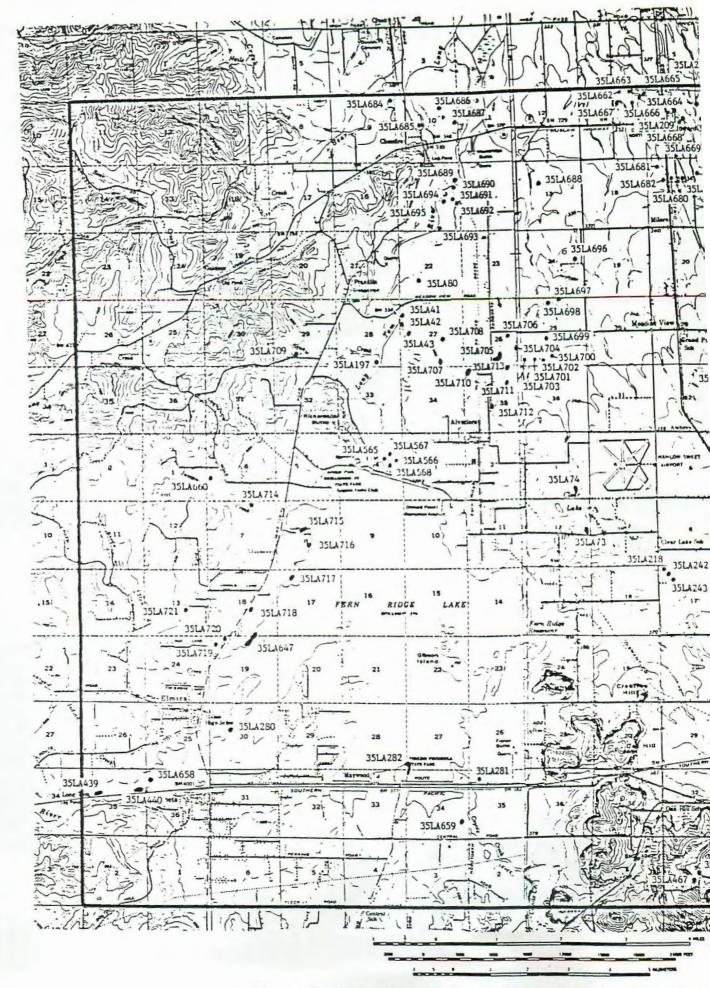


Figure 5. Location of all recorded sites within the Long project area.



om Sub-basin

hunting, short-term camping, lithic reduction, etc.).

The present project was not successful in locating sites which overtly appear to be villages, although several possibilities are included among the recorded sites. A determination of village function will have to await the testing of those sites. The present data indicate, however, that two main site types can be defined on the basis of the presence or absence of ground stone implements used in food preparation. These sites are distinguished here as lithic scatters (LS) and lithic/ground stone scatters (LGS) (Table 4).

It is posited that sites with ground stone are more likely to have been summer base camps or winter villages than lightly used task-specific sites. One of the shortcomings of making this distinction is that some sites may contain grinding tools but may have no evidence of such on the surface (such as the Flanagan site which excavations proved to have been a summer base camp). As a result, the number of lithic/ground stone sites will be underestimated on the basis of survey data.

An impression of prehistoric land use patterns can be gained by examination of the environmental settings with which the sites are associated. Information on the nature of the environment of the Willamette Valley at the time of historic contact is available in the original Government Land Office survey notes which date from 1853—1854. The natural vegetation of the project area at the time of historic contact has been reconstructed by Johannessen and others (1971). A plotting of the sites on the historic vegetation map provides a rough indication of the vegetation zones with which the sites were associated in late prehistoric times (Figure 6).

As indicated in Table 5, 62 of the recorded 105 sites are associated with the prairie flatlands on the floor of the Long Tom Sub-basin. More than 27% of these prairie sites are known to contain

Table 4. Summary of recorded archaeological sites.

Site Number	Location T R S	Elevation	Site Type*	Vegetation Zone+	Extent (m)	Age**
35LA662	16S 4W 7	328'	LS	P	20 x 30	
35LA663	16S 4W 7	330'	ĹŠ	P	30 x 30	
35LA664	16S 4W 7	330'	LGS	P	35 x 35	
35LA665	16S 4W 7	330'	LS	P	20 x 10	
35LA666	16S 4W 7	330'	LS	P	15 x 15	
35LA667	16S 4W 7	327 '	LS	P	30 x 20	
35LA668	16S 4W 8	334'	LS	P	60 x 70	
35LA669	16S 4W 8	333'	LS	P	30 x 60	
35LA670	16S 4W 9	333'	LS	P	40 x 75	LA
35LA671	16S 4W 9		LS	P	20 x 20	LA
35LA672	16S 4W 9		LGS	P/0	30 x 10+	
35LA673	16S 4W 9		LGS	P/0	80 x 300	LA,LMA
35LA674	16S 4W 9		LGS	P/0	30 x 30	LA
35LA675	16S 4W 9	335'	LS	P/0	50+ x 100+	
35LA676	16S 4W 15		LS	P/M	20 x 20	
35LA677	16S 4W 15		LS	P	30 x 20	
35LA678	16S 4W 15		LGS	P	60 x 100	TA MAS
35LA679	16S 4W 17		LS LS	P P	160 x 280 50 x 100	LA,MA?
35LA680	16S 4W 17	340	LO	r	JO X 100	
35LA681	16S 4W 17		LS	P	60 x 100	
35LA682	16S 4W 17		LS	P	20 x 20	
35LA683	16S 4W 17		LS	P	30 x 30+	T A TEMA
35LA684	16S 5W 9		LS	P/A	130 x 200 60 x 60	LA,EMA LA
35LA685	16S 5W 10	330'	LGS	P/A	00 x 00	LA
35LA686	16S 5W 10		LS	P	30 x 60	
35LA687	16S 5W 1		LS	P	50 x 120	LA
35LA688	16S 5W 1		LS	P	5 x 5	
35LA689	16S 5W 1		LS	P/A	25 x 25	
35LA690	16S 5W 1	5 332'	LS	P/A	10 x 10	
35LA691	16S 5W 1		LS	P	10 x 10	
35LA692	16S 5W 1		LS	P	15 x 40	
35LA693	16S 5W 1	_	LS	A	25 x 25	
35LA694	16S 5W 1		LS	A.	20 x 15	
35LA695	16S 5W 1	5 333'	LGS	P/A	30 x 40	

Table 4 (continued)

Site Number	Location T R S	Elevation	Site Type*	Vegetation Zone+	Extent (m)	Age**
35LA696	16S 5W 24	340'	LS	P	30 x 30+	
35LA697	16S 5W 24	340'	LS	P	100 x 200	
35LA698	16S 5W 25	340'	LS	P	30 x 30	
35LA699	16S 5W 25	347'	LS	P	20 x 20+	
35LA700	16S 5W 25	348'	LS	P	70 x 30+	
35LA701	16S 5W 25	348'	LS	P	20 x 25	
35LA702	16S 5W 25	348 '	LS	P	40 x 20+	
35LA703	16S 5W 25	348 '	LGS	P	40×40	
35LA704	16S 5W 26	345 '	LS	P	55 x 70	
35LA705	16S 5W 26	355'	LS	P	200 x 200	
35LA706	16S 5W 26	345'	LS	P	20 x 20	
35LA707	16S 5W 27	350 '	LS	P/0	70 x 120	LA
35LA708	16S 5W 27	350 '	LS	P/0	10 x 10	LA
35LA709	16S 5W 29	490'	LS	0	30×60	MA, EA?
35LA710	16S 5W 35	3451	LS	P	60 x 120	
35LA711	16S 5W 35	350'	LGS	P	60 x 160	
35LA712	16S 5W 35	350'	LS	P	10 x 10	
35LA713	16S 5W 35	350'	LS	P	40 x 60	MA
35LA714	17S 5W 7	395'	LS	0	10 x 10+	
35LA715	17S 5W 8	380'	LS	P/0	60 x 170	LA
35LA716	17S 5W 8	385'	LS	P/0	20 x 20+	
35LA717	17S 5W 17	385'	LGS	P/Pn	10 x 20	
35LA718	17S 5W 18	390'	LS	P	20 x 20+	
35LA719	17S 5W 19	390'	LS	P/F	10 x 20	
35LA720	17S 5W 19	390'	LGS	P/F	10 x 20	LA
35LA721	17S 6W 13	475'	LS	0	30 x 30	

** Age: LA = Late Archaic (0-2000 B.P.)

LMA = Late Middle Archaic (2000-4000 B.P.) EMA = Early Middle Archaic (4000-6000 B.P.)

MA = Middle Archaic (2000-6000 B.P.) EA = Early Archaic (6000-8000 B.P.)

^{*} Site Type: LS = lithic scatter LGS = lithic/ground stone scatter

⁺ Vegetation Zone: P = prairie A = ash F = fir O = oak M = maple Pn = pine

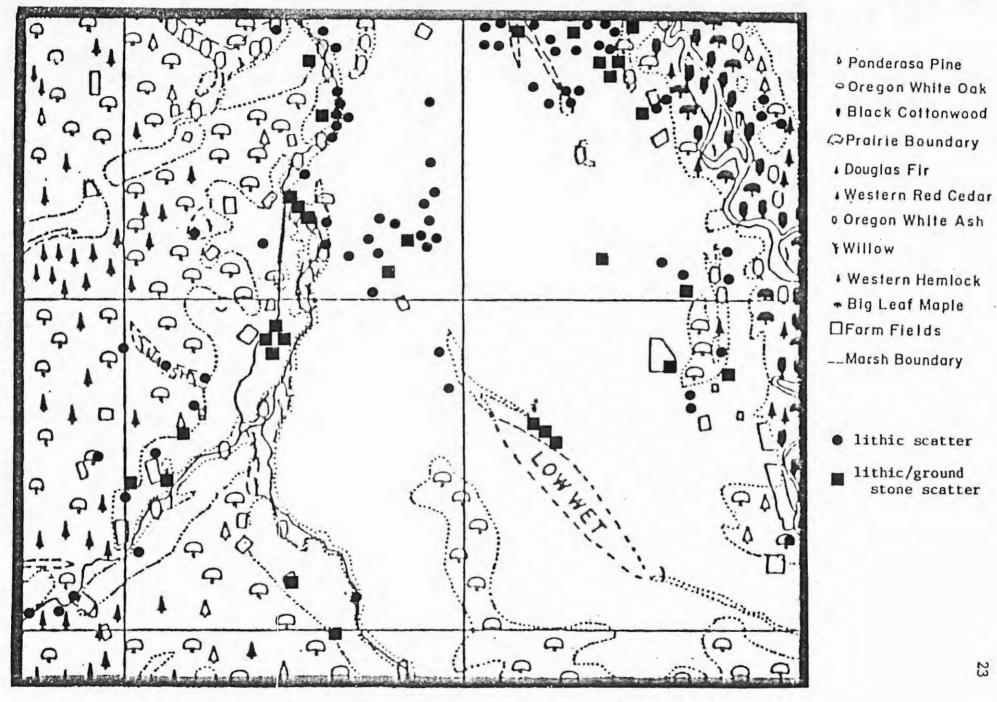


Figure 6. Location of archaeological sites in relation to the contact vegetation zones of 1853-54 (reconstructed in Johannessen et al. 1971:293).

Table 5. Summary of archaeological sites by contact vegetation zone.

Site Type									
Vegetation Zone	lithic scatter	lithic/ground stone scatter	Total	7.					
Open Prairie	45	17	62	59%					
Prairie-edge:									
Prairie/Oak Prairie/Ash Prairie/Fir Prairie/Hemlock Prairie/Maple Prairie/Pine	10 6 1 1 1	6 5 1 - 1	16 11 2 1 1	15% 10% 2% 1% 1% 1%					
Oak	9	-	9	9%					
Ash (by water courses)	2	-	2	2%					
TOTAL	75	30	105						

grinding implements. An additional 32 sites are located on the interface of the prairie and the trees which edge the sub-basin floor (primarily oak, pine, fir, hemlock and maple) and the Oregon white ash which closely follows the major watercourses on the floodplain. It is assumed that camps located on such an interface would provide more protection from the elements and easier access to resources from two different vegetational zones. More than 40% of these prairie—edge sites appear to be grinding sites and very probably summer base camps or even villages. In all, more than 90% of the sites recorded to date are associated with the prairie floodplain. A vast majority of these sites are situated near marshes, streams or the main stem of the Long Tom River. The remaining 11 sites are located not far from the prairie, with nine associated with oak groves and two with ash groves

Table 6. Summary of collected projectile points (after Toepel 1985).

Period	Projectile Point Series	Point Type	Collected Specimens
LATE ARCHAIC	Small Stemless	SS1 SS2	1 3
	Narrow-necked	NN1 NN2 NN3	1 8 2
	Total		15
LATE MIDDLE ARCHAIC	Moderate Broad- necked	MB2 MB3	2
	Total		3
EARLY MIDDLE ARCHAIC	Heavy Broad- necked	HB1 HB2	1 1
	Heavy Stemless	HS3	2
	Total		4

near water sources.

Summary Description of Artifacts

Only 22 diagnostic projectile points were collected during the survey (Figure 7; Table 6). The small number of points recovered is the result of several factors: (1) many landowners did not wish materials to be collected from their property; (2) many of the recorded sites were known by landowners or neighbors who routinely collected points from the sites (in these cases, the collections are often in the

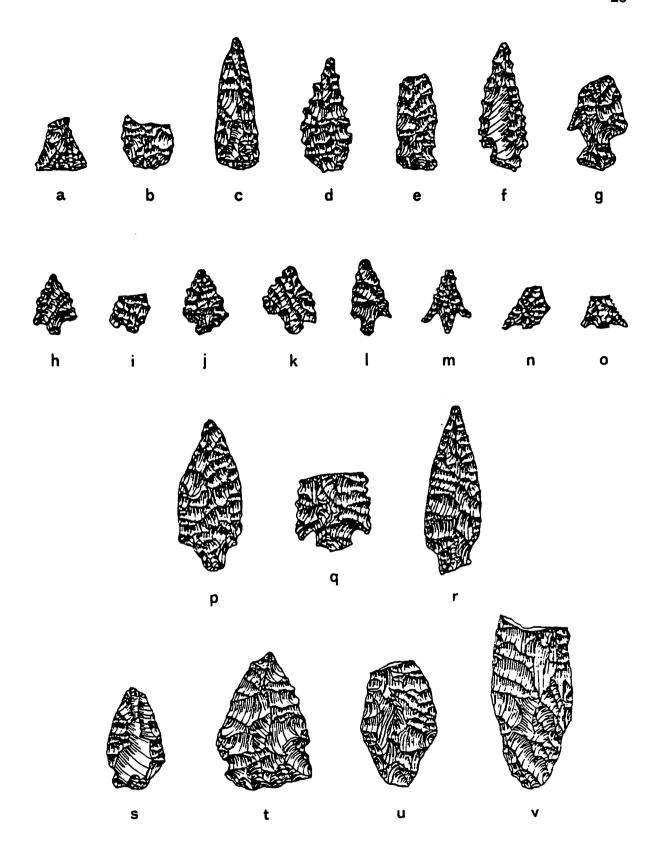


Figure 7. Projectile points from the Long Tom project area: a-d, Small Stemless series; e-o, Narrow-necked series; p-r, Moderate Broad-necked series; s-t, Heavy Broad-necked series; u-v, Heavy Stemless series (shown actual size).

landowners' possession and available for study); (3) some of the recorded sites had heavy ground cover and points were not easily spotted; and (4) extensive time was not spent by the surveyors in looking for projectile points while defining sites.

Of the points collected, 68% are small points which fall into the Small Stemless and Narrow-necked series defined at the Flanagan site (Toepel 1985). These small points are most indicative of the Late Archaic period spanning the last 2000 years. Only three of the points (14%) appear to date from Late Middle Archaic times (2000-4000 B.P.), and four specimens (18%) can be associated with the Early Middle Archaic (4000-6000 B.P.). The general paucity of older materials from the project area is not surprising in view of the nature of the flood-plain environment, in which older evidence of occupation would tend to be obscured. Older sites undoubtedly exist on the floodplain, however, and remain to be discovered through excavation.

Observations on Obsidian Availability in the Long Tom Sub-basin

Another purpose of the survey was to obtain additional information on the availability and source of obsidian within the study area. Before 1981, it was believed that the prehistoric inhabitants of the Willamette Valley primarily obtained obsidian from Cascade sources, either directly from sources in the mountains themselves or from stream gravels which were washed into the tributaries of the Willamette River and would therefore be found on the east side of the valley. In 1981, however, the Corps of Engineers survey in Fern Ridge Reservoir resulted in the discovery of a bed of obsidian cobbles and pebbles eroding from the mouth of Inman Creek on the west side of the reservoir. Specimens from the Inman Creek, or Fern Ridge source as it has variously been called, match with obsidian pebbles found by Rick Minor at the mouth of the Siuslaw River (Skinner 1983). Since both the Siuslaw River and

Inman Creek head in approximately the same area in the Coast Range, it was considered likely that an in situ obsidian source existed in the Coast Range where none had been previously known.

One of the exercises embarked on during this survey was a search of the upper reaches of the Inman Creek area to see if such a source could be found. Although access to the creek was allowed in several areas by landowners, vegetation was very thick and no luck was encountered in locating an obsidian source. Further survey work on the floodplain resulted in observations of naturally occurring obsidian pebbles in many of the sections surveyed, ranging between the Coast Range and the main stem of the Willamette River. In addition, obsidian cobbles were found more than three miles upstream from Inman Creek on a terrace above the Long Tom River.

The observations gathered during this survey shed only a little light on the nature of the Inman Creek obsidian source. It appears that the obsidian did not come from an in situ source in the Coast Range. Instead, the gravels associated with the obsidian cobbles and pebbles indicate that it appears to have been washed into position through a flood or other event. The original source of this secondary obsidian deposit is not yet known, although it is probably Cascade in origin. The time of its deposition is also not known, but it is likely that it was in place when the Long Tom River was a tributary of the Siuslaw River (which would account for the occurrence of obsidian pebbles at the mouth of the Siuslaw). According to Baldwin and Howell (1949), the capture of the Long Tom River into its present northward course paralleling the Willamette River probably took place in late Tertiary times (more than 2-3 million years ago). The means by which the river's course was shifted probably involved downcutting of the minor barrier between the Long Tom and the Willamette through flooding. Baldwin and Howell observed:

It should be noted that Amazon Creek, as well as adjacent

minor tributaries, drain slightly away from the Willamette, and no doubt during extreme flood stages Willamette overflow is contributed to the Long Tom. Zimmerman [1927] stated that "It is easy to conceive that the Willamette River once ran west from Eugene, followed the channel of the present Amazon slough and flowed down the channel now occupied by the Long Tom River."

Relatively fresh gravels of undoubted Cascade origin are found east and north of Fern Ridge in the valley of Amazon creek and the Long Tom River... (Baldwin and Howell 1949:122; emphasis added).

Simisations

It would appear, then, that the Inman Creek obsidian gravels are rather wide-spread, are probably Cascade in origin, and have been in place in the Long Tom Sub-basin for millions of years.

SUMMARY AND CONCLUSIONS

The objective of the Long Tom archaeological survey was to locate and record sites in a cross-section of floodplain and foothill environments in the 12 by 14 mile project area in the central portion of the Long Tom hydrologic sub-basin. It was expected that the results would provide a context within which excavated sites could be placed, as well as being of some use to land use planners involved in making decisions about future development of the area.

One of the most important aspects of this project was the methodology of surveying in an urban-agricultural environment. More than 30,000 tax lots and an estimated 50,000-100,000 landowners were included within the project area, making the proposed transect approach to the survey an impossibility. Although heavily populated environments such as the Long Tom project area make the mechanics of surveying exceedingly cumbersome, it is precisely those areas which are most critically in need of inventory projects such as this one. In addition, the response of landowners to the Long Tom survey indicates that

the public is in favor of such projects. In order to make "urban surveys" more manageable in the future, the following recommendations are offered:

- 1. Smaller project areas, such as a single township or even half a township, should be used. The present project area, which included nearly five townships, was unwieldy in the number of tax lots, land-owners and paperwork involved.
- 2. If any questions arise before the initiation of a project concerning the number of tax lots or landowners involved within a particular area, the information can generally be obtained from county agencies which have recently become computerized. A check of this information can aid in the delineation of a project area or in determining the feasibility of a survey methodology. Unfortunately, this information was not available to this investigator at the beginning of the Long Tom project or the scope of the project would undoubtedly have been altered.

- 3. Survey work can be concentrated on the larger lots within a project area to maximize the cost/site ratio.
- 4. Smaller project areas are more conducive to more intensive coverage and to more personal contacts. The community approach (working through community centers or door-to-door survey) is more appropriate for the smaller survey areas and was not used for the Long Tom project.

In addition to the 45 previously recorded sites in the 168-mile project area, 60 additional sites were encountered. Approximately 30% of the sites within the project area have ground stone tools and are probably summer base camps or perhaps village sites. The remaining 70% are lithic scatters which include task-specific sites. Temporally

diagnostic projectile points indicate that much of the area was occupied during Late Archaic times (within the last 2000 years), although some indications of earlier occupation were collected. Although a specific functional site typology could not be formulated at this time with the present data base, the present project will contribute significantly to such an effort in the near future.

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APPENDIX A:

LANDOWNER AND SITE SURVEY FORMS



Department of Anthropology

College of Arts and Sciences UNIVERSITY OF OREGON Eugene, Oregon 97403

503/686-5102

January 31, 1983

Richard & Doris Stallings 29710 Meadow View Dr. Junction City, OR 97448

Dear Richard & Doris Stallings:

You are one of several hundred landowners who are being contacted in regard to a large-scale archaeological survey project being planned in an area west of Eugene where your property is located. The survey will be conducted this winter and spring by the Oregon State Museum of Anthropology with the help of student archaeologists enrolled at the University of Oregon. The objectives of the project and the proposed field methods are described in the enclosed information sheet.

Before we begin our project, we ask that you complete the enclosed permit form and return it in the self-addressed, stamped envelope provided. If you are no longer the owner of the property lot listed on the release form, please return the form with a note to that effect so that we may contact the present landowner. In addition, if you already know of an archaeological site in the vicinity of the project area, we would be very interested in recording it for our site files.

If you have any questions about the project, please contact me or one of the project assistants at 686-5139. We appreciate your assistance in this matter and look forward to your response.

Sincerely,

Kathryn A. Toepel Project Director

3 enclosures

OREGON STATE MUSEUM OF ANTHROPOLOGY

University of Oregon

LONG TOM RIVER ARCHAEOLOGICAL SURVEY PROJECT

Description of the Project

The Oregon State Museum of Anthropology is sponsoring a survey for archaeological sites in the Long Tom River drainage west of Eugene during the winter of 1983. The project is supported in part by a grant from Oregon's State Historic Preservation Office, part of a federal program aimed at uncovering and appreciating our heritage both through history and archaeology.

The Long Tom River project is designed to learn more about the native Willamette Valley people—the Kalapuya—through a study of the distribution of different types of archaeological sites (such as winter villages, butchering sites, camps, etc.) on the valley floor and foothills. The present project is focused on the recording of archaeological sites in the area which will fit together to form a pattern of Kalapuya land use. This project will be the first large-scale archaeological survey to be conducted in the Willamette Valley.

Area to be Covered

The project will be conducted within a 14 by 12 mile area west of Eugene (see map on reverse). The project area extends from the Lane/Linn county line on the north to 2 miles south of Fern Ridge Reservoir, and from west Eugene on the east to 2 miles west of Elmira on the west.

What Will Happen

An archaeological survey is, strictly speaking, an inspection of the ground surface for evidence of aboriginal use in the form of tools and stone chips. It does not require digging or any other kind of disturbance to property.

For this project, the surveyors will be equipped with pencil and forms for recording sites, a compass, a map, and undoubtedly their raingear. If a site is encountered, the surveyors will take note of the size of the site, its location, types of tools, and density of the debris. This information will be used to determine the site's function and, if possible, its general age. No items will be collected by the surveyors without the landowner's consent. If collection is allowed, the landowner either may choose to donate the materials to the Oregon State Museum of Anthropology for future study or may request to have the materials returned at the end of the study.

Coverage of the 14 by 12 mile project area will be accomplished with survey teams of 2 people who will walk east-west across the river valley at ½-mile intervals while recording sites encountered. The two crew members will walk about 150 feet apart to increase the chance of finding larger sites. The survey team will cover the ground at a rate of 7-9 miles per day, depending on field conditions. Before the project is completed, the surveyors will have walked more than 600 miles.

At the present time, 42 archaeological sites are recorded in the project area. It is anticipated that at least 200-300 more sites will be found during the project.

Student Participation

The assistants and surveyors participating in this project are graduate and undergraduate students in archaeology at the University of Oregon. While assisting in the project, these students will receive class credit, as well as practical training in archaeological survey methods and proper site recording techniques.

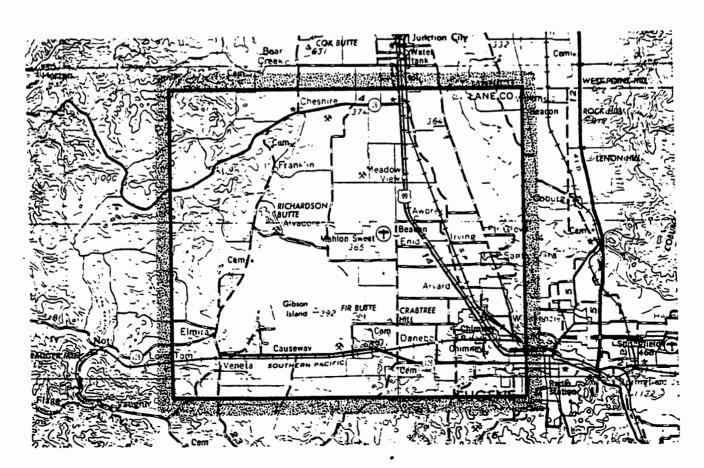
People to Contact

If you have any questions or comments concerning this project, we would like to hear from you either by phone or by letter. Persons in charge of the survey include the following:

Kathryn A. Toepel, Project Director	686-5139 (office phone)
Sara Scott, Project Assistant	686-5139
Jim Cox, Project Assistant	686-5139
Dr. Don Dumond, Project Advisor	686-5102 (Anthropology

Address correspondence to:

Long Tom Survey Oregon State Museum of Anthropology University of Oregon Eugene, OR 97403



OREGON STATE MUSEUM OF ANTHROPOLOGY University of Oregon Eugene, Oregon 97403

PERMISSIUM FURM
Subject: Permission to conduct a surface survey of archaeological materials for the Long Tom River survey project
PLEASE CHECK ONE OF THE FOLLOWING FOR SURVEY PERMISSION:
<pre>/ / Permission is hereby granted to survey for archaeological sites on my property as described on the inclosed infor- mation sheet.</pre>
<pre>/ / Permission is not granted to survey my property for archaeological sites.</pre>
PLEASE CHECK ONE OF THE FOLLOWING FOR COLLECTION PERMISSION:
/ Permission is hereby granted to conduct a limited collection of archaeological materials on my property if any are en- countered during the survey; I wish the artifacts to be deposited at the Oregon State Museum of Anthropology in my name at the completion of the project where they will be available for future study and for museum display purposes.
<pre>/ / Permission is hereby granted to conduct a limited collection of archaeological materials on my property if any are en- countered during the survey; all artifacts collected are to be returned to me at the completion of the project.</pre>
/ / Permission is not granted to collect on my property.
If you have any further comments or questions, please note them below:

(attach label with landowner name, address, and tax lot number)

in control of the con

Phone:

Address correction (if needed):

Signature

Date

LONG TOM ARCHAEOLOGICAL SURVEY SITE RECORD FORM Oregon State Museum of Anthropology, University of Oregon

Temporary No.: Permanent	No.: Lot No.:
County: Legal Descript	ion:
USGS Map Reference:	Elevation:
UTM:E	Cultural Affiliation:
Contact Vegetation (GLOs):	
Owner:	
Private collections from site:	
Transect Section	meters E/W Historic
Recorder:	Prehistoric
	other:
Site Extent:	Surface visibility:
	Slope: Depth of deposit:
N	Aspect (slope direction):
	Water source:
	Distance to water:
	Topography (floodplain, terrace, valley slope, etc.)
	Vegetation:
	Soils/sediments:
	Condition (excellent, fair, dteriorated disturbed):
	Type of disturbance: None
	Building Plowing
Scale:	Road Logging
Map source:	Vandalism Other:

APPENDIX B:

ARCHAEOLOGICAL SITE RECORD FORMS

Site No. 35LA662 County Lane	Cutural Area Upper Will. Valley
Type of Site lithic scatter	
Property Location T16S, R4W, Section 7,	NWł of NEł, W.M.
Map reference: USGS Junction City 7	1 quad, 1967
Site Location on low rise on west edge	of plowed field 100 m east of house and
about 200 m west of slough marked by	tree stand draining into Flat Creek;
• •	age and fire-cracked rock; maximum density:
5 items/m ²	
	S
	nknown depth
	by plowing
	lakes (70% chert, 30% obsidian), 2 basalt
	s, 4 chert cores, fire-cracked rock
	Attitude toward excavation
N. 17 17 17 17 17 17 17 17 17 17 17 17 17	Photograph Nos.
BAULEY	5
	Swain_=-
35LAG62	\\\
354460	
351/4664	354
351A667 351A666	35LA :
330	. 209/
	351
BM 332 BM BM BM 335	BM 535
325	11 11 18 18
	المناه
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	3
\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Recorded by Kathryn Toepel

Scale 1 inch = 620 meters

(when square represents a section 1"=1/4 mi. [402 m])

Site No. 35LA663 County Lane C	utural Area Upper Will. Valley
Type of Sitelithic scatter	
Property Location T16S, R4W, Section 7, NEt of NEt, W.	
Map reference: USGS Junction City 71 quad, 1967	
Site Location on higher ground midway between two slo	oughs near Flat Creek;
elevation: 330'	
Site Description small concentration of debitage and	fire-cracked rock; maximum
density: 5 items/m ²	
Area of occupation 30 m in diameter	
Depth and character of fill silty clay of unknown depth	
Vegetation cover pasture	
Present condition probably disturbed by plowing	
Material collected or observed 50 flakes (75% obsidian,	
core, few fire-cracked rock fragments, 1 white ch	ert biface fragment
Recommendations for future work none	
Owner and address Ronald and Karla DeFoe Atti	
Present use pasture/agriculture	
N. (**)	Photograph Nos
BAULEY TO LANE	riolograph 1403.
Swain	
(1)	
35LAG62	
3544605	
35LA	
35LA667 35LA666 35LA	
2209	
351	
BM 332 BM 335 BM 335 BM 335	
200	
	Recorded by Kathryn Toepel
Scale 1 inch = 620 meters	Date March 12, 1984

Site No	35LA664	County	Lane	(Cutural Area	Ipper Will. Valley
Type of Sit	e lithic	ground stone	scatter	•••••	•••••	•••••
Map re	ference: [JSGS Junction	City 7½' qu	ıad, 1967	, 	
						ed slough leading
Site Descri						ensity: 10 items/m ²
Area of oc	cupation	35 m in diame	eter			
Depth and	character of f	il silty cla	ay of unknow	n depth		
Vegetation	coverP.	sture				
						·
severa	cobble cho	res, l obsidia pper , cr ude o	an scraper, bsidian bifa	basalt hace; pest	ammer, basa le tip, FCF	obsidian, 20% basalt); ilt cobble spall flake
Owner an	d addressE	inar & Marily	n Skovbo	Atı	titude toward ex	ccavation
Present us	e agricu	lture/pasture	·····			•••••
+	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	N.	199) 1 (ANE	الا لاسط	Photograph No	os
	2 January 1981	35LAG62	O Page Page 1	5₩.		
BM	330 BM 332	351A	351A663 51A664 666	35		
**************************************	7	333	335	2 2000	Recorded by	Kathryn Toepel

Scale 1 inch = 620 meters Date March 12, 1984

Site No	35LA665	County	Lane	Cutura	l Area	Upper Will. Valley
Type of Site	lithic s	catter	•••••	•••••		•••••
Property Loca	ation T16S	, R4W, Sect	ion 7, NEt o	f NE ¹ , W.M.		
Map ref	erence: US	GS Junction	n City 7½' qu	ad, 1967		
Site Location	on ea	st side of	channelized	slough of F	lat Cre	ek on slight rise
in chan	nel bend; a	n old grave	el bar is loc	ated to the	east;	elevation: 330'
Site Descript	tionvery	small scat	ter of flake	s and fire-	cracked	rock; peripheral to
dense s	ite immedia	tely west	of slough (35	LA664)		
	•••••					
Area of occu	pation2	O m N-S by	10 m E-W			
Depth and ci	haracter of fill .	silty c	lay of unknow	n depth		
Vegetation of	coverope	n plowed f	ield			
Material col	lected or observ	red appro	ox. 10 chert	flakes, 1 1	arge fl	at basalt anvil, 1
cobble	chopper, fi	re-cracked	rock fragmen	ts		
Recommend	dations for future	e workn	one			
Owner and	addressEir	ar & Maril	yn Skovbo	Attitude	toward ex	xcavation
Present use	agricult	ure/pastur	e		· · · · · · · · · · · · · · · · · · ·	
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1		1/2	.	*/		
	35LA662	SLACES				
		3544	ecis i	5LA 210		
ļ	35LA667 3	351466				
/i30\		51A666	357	A 58		
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۵	BM	. JBM 331	(3) A BM (3)	351.A		
. BM ₂ 332	7	333 I	1000			
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<i></i>	\					
· \	Ì	.) !		Reco	orded by	Kathryn Toepel
Scale	1.inch.=.62	O.meters		—		rch.12,.1984

Site No. 35LA666 County Lane C	Cutural Area Upper Will. Valley
Type of Sitelithic scatter	
Property Location T16S, R4W, Section 7, NEt of NEt, W	.м.
Map reference: USGS Junction City 71' quad, 1967	
Site Location 100 m south of main slough and 25 m :	north of small drainage leading
north; on slightly higher ground about 200 m WNW	of house; elevation: 330'
Site Description very small scatter of flakes and fi	re-cracked rock
maximum density: 5 items/m ²	
Area of occupation 15 m in diameter	
Depth and character of fill pebbly silty clay of unknown	depth
Vegetation cover open plowed field	
Present condition surficially disturbed by plowing	
Material collected or observed approx. 25 chert and basa	lt flakes, l obsidian flake,
few fire-cracked rock fragments, 1 small white cr	ockery fragment
Recommendations for future work none	
Owner and address Ronald and Karla DeFoe At	
Present use agriculture	
N.	Photograph Nos.
BALLEY TELANE	Photograph Nos.
Swain	
1 35LAG62 35LAG43	
3544665	
35LA210	
35LA667 35LA666 35LA 58	
100	
6 35LA 8M 335 3 468	
BM 332 BM 335 BM 335 G68	
(3)5 B	
1125	
	Recorded by Kathryn Toepel
Scale 1 inch = 620 meters	Date March. 12, 1984

·	Cutural Area Upper Will, Valley
Type of Site <u>lithic scatter</u>	
Property Location T16S, R4W, Section 7	. NWt of NEt, W.M.
Map reference: USGS Junction City	7½' quad. 1967
Site Location 10+ m east of paved r	oad and 20 + m south of house in garden area or
north side of small drainage; elev	ation: 327'
Site Description scatter of flakes, f	ire-cracked rock, fresh-water mussel fragments
and historic debris; maximum densi	ty: 5 items/m ²
•	N-S
•	clay of unknown depth
Vegetation covergarden and plowed f	ield
•	ed by plowing
l obsidian biface fragment, split	flakes (70% chert. 20% obsidian. 10% basalt), obsidian pebbles, few FCR, few mussel shell
Recommendations for future work test	
	Foe Attitude toward excavation
N.	
SALEY TELLANE	Photograph Nos.
	Swain
	Swain
1 35LAG62 35LAG63	
3544665	
351466	35LA210
35LA667 35LA666	351A 58
	200
6 BM 335 (35)	351A
7 10 333	Doil The Control of t
335	
	Recorded by Kathryn Toepel
	·
Scale 1inch.=.620.meters	DateMarch 12, 1984



uded areas mira 15'

Site No	35LA668	County	Lane	c	utural Area .	Upper Will.	Valley
Type of Site	lithic sc	atter	•••••		•••••	•••••	
Property Lo	cation T16S,	R4W, Section	on 8, SE 1	of NWl an	d SW l of	NWł. W.M.	
Map ref	erence: USG	S Junction (City 7½' q	uad, 1967	•••••	•••••	
Site Locatio	n east o	f railroad	tracks and	first ho	use on ea	st side of de	adend street
on west	bank of Fla	t Creek; si	te is on s	light ris	e on floo	dplain flat i	mmediately
						334'	
Site Descrip	otion scatt	er of flake	s; maximum	density:	1 items	/4 m ²	
	••••••		••••••	•••••	••••••		••••••
	•					•••••••	
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						obsidian),	
						••••••	
						excavation	
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A 12				•			
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2							
9663		; Jegananyeren	351	A671			
3544	والمحالية	5LA 210 1.	• 35	AZ04			
3514664		Brye	ant	35LA			
1666	357	A 58					
.		20	Ì	35LA 204			
 	3 BM 335	351A	51A649	3521200			
	25			335 .			
	100			1 50			
ď	1 23	·	330	35LA205			
i	0 0			35 14203			
	A .: . E	The view	1 :				
257 44	339	V W X	:	<u>"/</u>	Recorded b	y Sara Scott,	Thyme Siegel
Scale	inch = 620	meters			DateF	ebruary 25, 1	983

Site No	35LA669	County	Lane		Cutural Area	Upper Will.	Valley
Type of Site	lithic	scatter				•••••	
Property Lo	cationT	16S, R4W, Se	ction 8, SI	Et of NEt,	W.M.		
						t side of de plain flat e	
•••••	•••••					grove; eleva	
	•••••			•••		ensity: l i	_
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						•••••	
						bsidian, 10%	
			••••				
						xcavation	
Present us	e agric					••••••	
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A Par				· ``			
1643			3	5LA <i>G</i> 71			
3544	25	35LA 210 D.		PAZ04			
351A664		● //B	ryant .	35LA:			
	-	351A 58	•	<u> </u>			
.		. €35LA	35LA669	35LA206			
BM 335	3 1 BM	35LA 335 \448		-j			
3	,]	B	i :				
		Like .					
, <u>i</u>	2	ROAD	330	35LA205			
	. Ew			<u>,,/</u>	Recorded by	Sara Scott,	Thyme Siege

Date February 25, 1983

Scale 1 inch = 620 meters
(when square represents a section 1"=1/4 mi. [402 m])

Site No. 35LA670 County Lane	utural Area Upper Will. Valley
Type of Site lithic scatter	
Property Location T16S, R4W, Section 9, NEt of NWt, W	.м.
Map reference: USGS Junction City 71 quad, 1967	
Site Location at a bend on both sides of an intermi	ttent drainage/slough on a slight
rise on the open floodplain; elevation: 333'	
Site Description thin scatter of flakes and tools; m	_
area was used as camp by Indians in historic time	
Area of occupation 40 m E-W by 75 m N-S	
Depth and character of fill silty clay of unknown depth	
Vegetation coverplowed_field	
Present conditiondisturbed_by_plowing	
Material collected or observed approx. 50 flakes (50% ch	
2 choppers. 1 basalt core. 3 chert cores, 1 bipol	ar obsidian core, 2 obsidian
points (collected), fire-cracked rock fragments	•••••••••••••••••••••••••••••••••••••••
Recommendations for future worktest.	
Owner and address Gerald & Marjorie Edwards	
Present useagriculture	
N.	Photograph Nos.
EL REO LANE	, , , , , , , , , , , , , , , , , , ,
A Riverview	
Gravel Pit	Δ.
35LAG71 35LAG7Z	
2000	
Browns Landing	
Bryant 35LA670 Park	
233	35LA670/0-1 35LA670/0-2
35LA206	obsidian obsidian unstemmed $NW = 8.5 \text{ mm}$
35LAGE9	distended NW = 0.5 mm
,25	
\$35LA675	
351A674 PM 337	
35LA205	
35LA673	Recorded by Kathryn Toepel
Scale 1 inch = 620 meters	Date February 19, 1984

Site No. 35LA671 County Lane	. Cutural Area Upper Will. Valley
Type of Sitelithic scatter	
Property Location T16S, R4W, Section 9, NW of NW,	W.M.
Map reference: USGS Junction City 71 quad, 19	67
Site Location on a slight rise on floodplain on we elevation: 332'	
Site Description small scatter of flakes and fire— 1 item/2 m ²	cracked rock; maximum density:
Area of occupation 20 m in diameter	
Depth and character of fill silty clay of unknown dept	<u>h</u>
Vegetation cover plowed field	
Present condition disturbed by plowing	
Material collected or observed approx. 10 flakes (60%)	chert, 40% obsidian),
1 chert point (collected), fire-cracked rock fr	agments
Recommendations for future worknone	
Owner and address Gerald & Marjorie Edwards	Attitude toward excavation
Present use agriculture	
N. 14. Gavel Pit 35LAG71 35LAG72	Photograph Nos.
35LA 204 Bryant Lake 35LA 206 35LA 675 35LA 675 35LA 674 35LA 205	35LA671/0-1 chert NW = 6.7 mm
35LA673 .	Recorded by Kathryn Toepel
Scale 1 inch = 620 meters	Date February 19, 1984

Site No. 35LA672 County Lar	ie C	utural Area Upper Will. Valley
Type of Site lithic/ground stone sca	itter	
Property Location T16S, R4W, Section	9, NEt of NWt and	i Section 4, SEt of SWt, W.M.
Map reference: USGS Junction Cit	y 7½' quad, 1967	
Site Location on a slight rise on i	loodplain overlo	oking nearby intermittent drainage
to east 30 m west of oak tree man	king NE property	corner of Lot 700; appears to
extent over property line into Se	ection 4; elevati	on: 333'
Site Description very light scatter	of flakes, fire-	cracked rock and ground stone
fragments; maximum density: less	than 1 item/2 m^2	
Area of occupation30 m E-W by 10+	m N-S	
Depth and character of fillsilty_clay_c	of unknown depth	
Vegetation coverplowed_field		
Present conditiondisturbed by plow	ing	
Material collected or observedapprox	10 chert flakes a	nd 5 basalt flakes:
.1.unfinished.obsidian.biface2.	unidentground.s	tone_fragments,_FCR_fragments_
Recommendations for future worknone		
Owner and address Gerald & Marjorie	Edwards Am	tude toward excavation
Present useagriculture		
N.		
04	EL REO LANE	Photograph Nos
	A Riverview	
* * * * * * * * * * * * * * * * * * * *	Gravel Pit	
a share		
1		
35LAG71 35LAG72		
035LAZ04	4: 3	
Bryant 35LA670	Browns Landing Park	
1/Lake	335	
• • • • • • • • • • • • • • • • • • • •		
35LA206		
7,5 - 9		
\$35\A6	75	
435LA6	4 pm 337	
35LAZ05	· mass	
35LAC	,73 · ·\	Recorded by Kathryn Toepel
cut 1 inch = 620 meters	PEK KU (Per February 19, 1984

Site No	Cutural Area Upper Will. Valley				
Type of Sitelithic/ground stone scatt	er				
Property Location T16S, R4W, Section 9, SEt of SWt and SWt of SEt, W.M.					
Map reference: USGS Junction City					
Site Location north of Harper Road of	ff River Road on both banks of slough but				
predominantly on east side on sligh	tly raised flats of floodplain; elevation: 335'				
Site Description dense scatter of flak	es, tools, and FCR; possible village site or				
	ximum density: 10 items/m²; owner has large				
private collection of projectile po	ints from his property				
Area of occupation 80 m E-W by 300 m					
Depth and character of fill silty clay of	unknown depth				
	rrounded by oak trees nearby				
•	d by plowing				
Material collected or observed 100s of fla	kes (60% chert, 30% obsidian, 10% basalt),				
pestle fragments, FCR, 5 obsidian p	oints, split obsidian pebbles; FCR concen- g-o vens; red-stained earth with FCR				
	Attitude toward excavation				
Present use agriculture					
N.					
b -	Photograph Nos.				
35LA671 35LA672					
210) 935LAZ04	Browns Landing				
Bryant 35LA670	Park				
58 (1)	333				

35147.06					
A 35LAGA 35LAZ06					
35LA206	0-1 0-2 0-5				
35LAGE9	0-1 0-2 0-5 NW = 3.0mm NW = 3.4mm				
35LAGE9	. 17 11 1				
35LAGEA 35LAGEA 35LAGEA 35LAGEA	NW = 3.0mm NW = 3.4mm				
35LAGA 135LAG7	NW = 3.0mm NW = 3.4mm				
35LA67 35LA67 35LA67	NW = 3.0mm NW = 3.4mm				
35LA67 35LA67 35LA67 35LA67	NW = 3.0mm NW = 3.4mm 13. Rivervier 8ch 50				
35LA67 35LA67 35LA67	NW = 3.0mm NW = 3.4mm NW = 3.4mm Rivervies				
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35LA67 35LA67 35LA67 35LA67	NW = 3.0mm NW = 3.4mm NW = 3.0mm NW = 3.4mm				

			Cutural Area Upper Will.	Valley
	ground stone scatt			
Property Location	S, R4W, Section 9,	NEt of SWt, W.	М.	
Map reference: U	ISGS Junction City	7½' quad, 1967		•••••
Site Location alor	ng north side of sl	ough along gent	le bend just east of	junction
with another slow	igh (upper reaches	of Flat Creek)	elevation: 335'	
Site Description	all scatter of flak	es, tools, and	fire-cracked rock	
-				
· .				
			lakes, FCR, 1 pestle i	
l narrow-necked	obsidian point			
			•••••	
			itude toward excavation	
Present use agricu	Lture			
	N.	Area I (A)	Photograph Nos	
35	LAG71 35LAG72	1 1 1 1 1 1 1		
	AZ04		••••••	
40/1.	* 0 35) 0/74	Browns Landing		
58 V	3304610	Park		
79	• • • • • • • • • • • • • • • • • • • •	335		
A 351A649	35LA206		A	
3	9			
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·	\$35LA6		057.1677.10.1	
336	35LAZ05		35LA674/0-1 obsidian	
100	35LA	.73 \:	NW = 3.0 mm	
	-HAR	PER RD		
	g	Rivervier Beh		
35LA683	7	/50 3		
		35	1	
F35LA679	LAN	€ 35LA678'6\	Recorded by Sara Scott,	Jane Robbins
Scale 1 inch = 6	20 meters		Date March 10, 198	3

Site No. 33LA673 County Lane	
Type of Sitelithic scatter	
Property Location T16S, R4W, Section 9, NEt of SWt an	d NW1 of SE1, W.M.
Map reference: USGS Junction City 71' quad. 1967	
Site Location along west bank of slough on both si	des of property fence;
elevation: 335'	
Site Description heavy concentration of debitage and	tools
Area of occupation 100+ .m. E-W. x. 50+ .m. N-S	
Depth and character of fillsiltyclayofunknowndepth	
Vegetation coveropen_plowed_field	
Present conditiondisturbed by plowing	
Material collected or observed 200+obsidian.andchert	• •
knife (collected)chert cores, split obsidian pe	
Recommendations for future worktest	
Owner and address Tom Harper	
Present use agriculture	
N.	
5:4	Photograph Nos.
35LAG71 35LAG72	
240 J.: 035/A204	
Browns Landing	
58 Julake	
333	
A 351A64 35LAZ06	
775 9	
351A675	
35LAZ05	~
35LA673 · \:	35LA675/0-1
HARPER RD	basalt
*Rivervies Seh	
35LA683	
340	
351A679 351A6784	Recorded by Sara Scott, Jane Robbins
Scale 1 inch = 620 meters	Date March10,1983
(when square represents a section 1"=1/4 mi. [402 m])	,,

Site No. 35LA676 County Lane Cutural Area Upper Will. Valley
Type of Site lithic scatter
Property Location T16S, R4W, Section 15, NEt of NWt, W.M.
Map reference: USGS Junction City 7½' quad, 1967
Site Location at northeast corner of Baker property in plowed field on west bank of
former Willamette River channel (present intermittent drainage) west of Marshall
island; elevation: 345'
Site Description small thin scatter of flakes
·
Area of occupation 20 m in diameter
Depth and character of fill silty clay of unknown depth
Vegetation cover open plowed field
Present condition disturbed by plowing
Material collected or observed 10-15 chert and obsidian flakes
Recommendations for future work
Owner and address Elma Baker Attitude toward excavation
Present use agriculture
N
9 Photograph Nos.
HAVES AAVES
35LA674 BH3337
35LA673 · \
Riverview Seh
15 15
35LA677
LANE 35LA678
5.
340 . RIVERVIEW
Shadow Hills Country Club
Recorded by Jim Cox, Pam Endzweig

Scale 1 inch = 620 meters (when square represents a section 1"=1/4 mi. [402 m])

DateMarch. 22, 1983.....

Site No	35LA677	County	Lane		Cutural Area	Upper Will.	Valley
Type of Site	lithic sc	atter			•••••		
						••••••	
Map refe	rence: USG	S Junction	City 7½'	quad, 196	7		•••••
Site Location	on eas	t side of R	iver Road	north of	Baker hou	se on west ba	nk of
small dr	ainage lead	ing to Flat	Creek; s	ite is pe	ripheral t	o 35LA678 abo	ut 100 m
to west;	elevation:	340'	•••••	••••••			
Site Description	on diffus	e scatter o	f flakes				•••••
•••••			••••••	***************************************	•••••	•••••	•••••
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						idely scatter	
						excavation	
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		JAN RIVERY	IEW !				
Shadow Hills		J	<i>ت</i> ا	((
Country Club	i))	1.1			
`\	34.5	149	/' ir		Recorded by	Jim Cox, Pan	n Endzweig
Carl. 1	inch - 620	··/	11		_	Samah 22 1003	

Site No. 35LA678 County Lane	Cutural Area Upper Will. Valley
Type of Site lithic/ground stone scatter and "W	itness Tree"
Property Location T16S, R4W, Section 15, SW1 of	NWł. W.M.
Map reference: USGS Junction City 71' quad,	1967
Site Location beginning about 30 m southwest	of River Road/Sovern Lane intersection.
site is primarily on east bank of bend in sw	vale leading to Flat Creek; site is
north of "Witness Tree" which has limb tied	in knot; elevation; 340'
Site Description scatter of flakes with 3 concer	trations of fire-cracked rock and
charcoal (camas oven remains?)	
Area of occupation	
Depth and character of fillsilty.clay.of.unknown.c	lepth
Vegetation cover open plowed field	
Present condition disturbed by plowing	
Material collected or observed 200+ chert and obst	dian flakes, FCR, charcoal:
owner has collected ground stone and project	ile points from this site
Recommendations for future work test	
Owner and address Tom Harper	Attitude toward excavation
Present use agriculture	
N.	-
The state of the s	Photograph Nos
351A675 . HAVES	1
35LA674 BH 337	. is
. \$35LA673 · \:	7 ji
HARPER RD	/\(\frac{1}{2}\);
Riverview	· ·
. 50 35LA676	. 10.
15	<u></u>
35LA677	$\gamma_{\dot{L}}$
35LA678	
	#105E6
JAN RIVERVIEW	
	344
idow Hills intry Club	
	Recorded by Jim Cox, Mark Swift
Scale 1 inch = 620 meters	7
Scale 1 11011 - 020 meters	Date February 25, 1983

Site No. 35LA679 County Lane	
Type of Site lithic scatter	
Property Location T16S, R4W, Section 17, SW1 of NE	
Map reference: USGS Junction City 73' quad, 19	967
Site Location between Prairie Road and the South	ern Pacific Railroad tracks in
plowed field on east side of small rise 100+ m	west of Flat Creek; elevation:
340'	· · · · · · · · · · · · · · · · · · ·
Site Description extensive scatter of debitage and	
1 item/2 m ²	
Area of occupation 280 m N-S x 160 m E-W	
Depth and character of fill silty clay of unknown dept	
Vegetation cover open plowed field	
Present condition disturbed by plowing	
Material collected or observed 100+ flakes (45% each	
2 point fragments (collected), 2 chert unifaces	
Recommendations for future work test Owner and address John & Derelle Barber	
Owner and address John a Deferre Dailber Present Use agriculture	
18M 335 3 1 1 8M 335 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Photograph Nos.
25° (B) (B) (B) (C) (B) (C) (C) (C) (C) (C) (C) (C) (C) (C) (C	5
	F .
276	
3514	
339	
35LA681	
\\@ •331400	
35LA682	
351A 351A679	35LA679/0-1 35LA679/0-2
17 SOVER	. NW = 2.4 mm NW = 11.5 mm obsidian chert
	·. V
	·
3"	Recorded by Sara Scott, Pam Endzwei
Scale 1 inch = 620 meters	•
Scale 1 inch = 020 meters	DateApril 15, 1983

Site No. 35LA680 County Lane C	utural Area Upper Will. Valley
Type of Site lithic scatter	
Property Location T16S, R4W, Section 17, SEt of NWt.	W.M.
Map reference: USGS Junction City 71 quad, 1967	,
Site Location west of Southern Pacific RR tracks a	nd east of Hwy 99 along a
rise on the north side of an intermittent drainage	e: may be part of 35LA681 but
difficult to tell due to historic disturbance:	elevation: 340'
Site Descriptionextensive scatter of flakes; maximum	m_density: 1_item/2_m²
Area of occupation 100 m.E-W.x.50 m.N-S	
Depth and character of fillsiltyclayofunknowndepth.	
Vegetation cover open plowed field	
Present conditiondisturbed_by_plowing	
Material collected or observed	
split obsidian pebbles, FCR	
Recommendations for future worktestAtt Owner and addressJohn & Derelle BarberAtt	
Present useagriculture	
Present use#&F.I.CHILLUEE	
	Photograph Nos.
33 C Doug 37	
35LAZO	
352420	
Ew 1	
351A681 0	
35LA683	
35LA682	
351A 351A679	
17 SOVERN	
2. 145	Recorded by Sara Scott
Scale 1 inch = 620 meters	Date April 20 1983

Site No35LA681 County	Lane	Cutural Area .	Upper Will. Valley
Type of Sitelithic scatter			
Property Location T16S, R4W, Sec			
Map reference: USGS Junction	on City $7\frac{1}{2}$ ' quad, 196	7	••••••
Site Location approx. 200 m s			
two small ponds and south of	f grove of trees near	north edg	e of section line;
Site Description extensive scar	tter of flakes; maxim	um density	: litem/m
•••••			•••••••••
Area of occupation 100 m N-S	······		
Depth and character of fill silty			
Vegetation cover tall grasses			
Present condition disturbed by	y previous plowing		
Material collected or observed. 50	+ flakes (50% obsidia	n, 50% che	rt),
l obsidian uniface, FCR			
Recommendations for future work	test	•••••	
Owner and address John & Dere	lle Barber A	ttitude toward	excavation
Present use agriculture	······		
N.	35LAGA	Photograph	Nos
BM 335 BM 335 BM 335	1474		
355			
	1		
7	330		
	·		
357A681 339			
136	35LA683		
35LA682			
357	351A679		
680	1		
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1.5	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
	3"	Recorded b	Sara Scott, Jill Chappel

Scale 1 inch = 620 meters
(when square represents a section 1"=1/4 mi. [402 m])

DateApril .20, .1983.....

Site No	. 35LA682 Cou	nty Lane	c	utural Area	Upper Will. Valley
Type o	f Site lithic scatte	er	····	•••••	••••••
Proper	ty Location T16S, R41	, Section 17,	SEt of NWt,	W.M.	
Мар	reference: USGS J	unction City $7\frac{1}{3}$	' quad, 196	7	
Site Lo	cation west of H	y 99 on east s	ide of drain	nage betwe	en two small ponds
nor	th of fence and dir	t road and nort	h of fishing	g pond whi	ch leads into Flat
Cre	ek; elevation: 338	! 			
	·				item/2 m²
Area c					
Depth	and character of fill	ilty clay of un	known depth	•••••	••••••
Vegeta	ation cover grasses	in unplowed fi	eld	•••••	••••••
Presen	t condition distur	bed by previous	plowing	••••••	•••••••••••••••••••••••••••••••••••••••
Materi	al collected or observed	30 flakes (6	0% obsidian	. 35% cher	t, 5% basalt)
					••••••
					excavation
Presen	nt use agriculture				•••••••••••••••••••••••••••••••••••••••
- 1		1.	40	Photograph 1	Nos
<u>•••</u>	3MA BM 335 (8)	вм 135 48	3514664	, norograph .	Nos
·)	325	B 3040	bic.		
/ 	35LA681	3514 3514 3514 3514	15LA683 1679		
		٥٠	115	Recorded by	Sara Scott, Jill Chappel

DateApril ...20, ...1983.....

Site No. 35LA683 County Lane	Cutural Area Upper Will. Valley
Type of Sitelithic scatter	
Property Location T16S, R4W, Section 17, NEt of NEt	, W.M.
Map reference: USGS Junction City 71 quad, 19	
Site Location southwest corner of Graville proper	
on west bank of drainage leading to Flat Creek;	several hundred meters east
Site Description scatter of flakes; maximum densit	y: 1 item/2 m ⁻
Area of occupation 30+ m in diameter	
Depth and character of fill silty clay of unknown dept	
Vegetation cover open plowed field	
Present condition disturbed by previous plowing	
Material collected or observed 30+ flakes (60% obsidi	an, 35% chert, 5% basalt)
Recommendations for future work additional documenta	
Owner and address Windsor Graville At	
Present use agriculture	
און אין איין אין אין אין אין אין אין אין א	Photograph Nos.
35LAZ05	
35LA681 339	
35LA683	
35LA682 35LA679	
.16.	
SOVERN	
Shi	•
0. 345	
ROAD Fad.	T. A. W
339 BM 345	Recorded by Jim Cox, Mark Freemesser
Scale 1 inch = 620 meters	Date

Site No35LA684 County Lane	Control Acco IInner Will Velley
Type of Sitelithic scatter	
Property Location	
Map reference: USGS Elmira 15' quad. 1957	
•	
Site Locationon floodplain flat north of channel	
Creek and west of Territorial Road about 300 m	
330'	
Site Descriptionwidely dispersed scatter of debit density: 1 item/5 m ²	
·	
Area of occupation	
Depth and character of fillsiltyclayofunknowndept	
Vegetation coveropen_plowed_field	
Present conditionsurficiallydisturbedbyplowing	
Material collected or observedapprox30+flakes(403	
points_(collected)	
Recommendations for future worknone	
Owner and address Elmer. & Pauline Gartrell At	ttitude toward excavation
Present useagriculture	
N.	Observant Nos
Bean Creeks	Photograph Nos.
Cometery Densen-1 C Cometery C	·
5 - 3 3 3 35LA 2-/	
27	
35LA686	
35LA687.	
9 35LA685 6 10 BM 328	ALTS.
Chestifire (251 469/ /0 1 251 469/ /0 2
BM Lop Pond Butte	35LA684/0-1 35LA684/0-2 obsidian chert
357.A689	NW = 11.5 mm
Creek 17 49 . 16 35 A69 14	
35LA695 35LA692	
BM 394.	
1/2-1/2	Recorded by Sara Scott, M. Freemesser

Scale 1 inch = 1600 meters

(when square represents a section 1"=1/4 mi. [402 m])

Date March 22, 1983

Site No. 35LA685 County Lane	Cutural Area Upper Will. Valley
14this/ground stone seatter	
Property Location T16S, R5W, Section 10, SEt of NWt,	
Map reference: USGS Elmira 15' quad, 1957	
Site Location immediately north of Cheshire house	
Cheshire on the west bank of the Long Tom River	
Cheshire on the west bank of the long fom River	on a small lise, elevation. 350
Site Description concentration of debitage, fire-cr	acked rock, and ground scone;
maximum density: 4 item/m²	
	- 1 11 - J - 1
Depth and character of fill silty clayey midden at leas	
Vegetation cover open plowed field and garden; oak	
Present condition surficially disturbed by plowing	
Material collected or observed 100s of chert and obsidi	
(collected), 1 pestle (collected); owner has lar	ge collection from this site
Recommendations for future work excavation	
Owner and address Neil Cheshire At	titude toward excavation
Present use garden	
N.	
32. 33 Butte 35 35	Photograph Nos.
Bonn Creek	
HIGH PASS Creeks (BOAO	Mm. Chashima is were brouleds
Cemetery Canada 1	Mr. Cheshire is very knowledg- able and cooperative and is
Cometery of S	open to being contacted if more
5 - 3 3 M357A 2-	information is needed
	(%)
35LA686	
35LA68711	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Cheathire (Maria 330 Woodsridge	35LA685/0-1 35LA685/0-2
Log Pond Butte	obsidian obsidian NW - 4.1 mm NW = 4.1 mm
357.4689	NA - 4.1 mm NA = 4.1 mm
Creek 17 4 16 16 15 035LAG 14	
35L4675 35LA672	
-7 / 1 / 2 3514693	
335	
	Recorded by Jim Cox, Bob Bryson
Scale 1 inch = 1600 meters	Date February 26, 1983

Site No. 35LA686 County Lane Cutural Area Upper Will, Valley		
Type of Sitelithic scatter		
Property Location T16S, R5W, Section 10, NW1 of NE1, W.M.		
Map reference: USGS Elmira 15' quad, 1957		
Site Location on floodplain flat northwest of Nelsons' house on east side of irriga-		
tion ditch about 1 km north of the Siuslaw Highway (Hwy 36) and 500 m east of the		
Long Tom River; elevation; 330'		
Site Descriptionsparse scatter of debitage and fire-cracked rock; maximum		
density: litem/m2: neighbor Lingo has collected hundreds of small points from		
this area over the past many years		
Area of occupation 30 m.EW.by.60 m.NS.		
Depth and character of fillsilty_clay_of_unknown_depth		
Vegetation cover open plowed field		
Present conditionsurficially_disturbed_by_plowing		
Material collected or observedapprox. 30+ flakes (50% chert, 50% obsidian)		
Recommendations for future work		
Owner and address Robert & Marjorle Nelson Attitude toward excavation		
Present use agriculture		
N.		
32 Butte 35 100g Company		
Bean Creek		
Cometery 3		
Danishi-1 Cometery Cometer		
3 3 N 35/A 2-		
7		
35LA686		
35LA685 10 · 0 35LA687		
BM 348		
BM 330 Wookfridge Butte		
347 A 600		
Creek (351A690)		
17 91 16 35LAG114 735LAG92 .		
3514693		
BA 194		
Recorded by Sara Scott, M. Freemesser		
Scale Date March 18, 1983		
1		

Site No. 35LA687 County Lane	Cutural Area Upper Will, Valley
Type of Sitelithic scatter	
Property Location T16S, R5W, Section 10, SI	d of NEt. W.M.
Map reference: USGS Elmira 15' quad.	.957
of the Siuslaw Highway (Hwy 36) and 250	_
Tom River; elevation; 330'	
Site Description dispersed scatter of debt	tage and fire-cracked rock; maximum
density: l item/2 m²; neighbor Lingo h	nas collected several hundred small obsidian
points from the site over many years (o mention of grinding tools)
Area of occupation 50 m E-W by 120 m N-S	
Depth and character of fillsilty_clay_of_unkt	lown_depth
Vegetation cover open plowed field	
Present condition <u>surficially disturbed</u> by	plowing
Material collected or observed	kes (70% chert, 30% obsidian)
Recommendations for future work	
Owner and address Robert & Marjorie Nelson	Attitude toward excavation
Present use agriculture	
N.	35 \ Photograph Nos
33 Jag Butte Toole Company	35 Filolograph Nos.
Boan Crekt	
Cemetery	
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)	(
35LA686	
35LA685 10.0 35LA6	87/11 8M 328
Beating Chestrine	
log Pond	Wooldridge Butte
3714	89
Creek 351A694 351A	90
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351469	
194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194 - 194	235
V~ / 100 / 14	Recorded by Sara Scott, M. Freemesser

1 inch = 1600 meters
(when square represents a section 1"=1/4 mi. [402 m])

Date March 18, 1983

Site No. 35LA688 County Lane Cutural Area Upper Will. Valley Type of Site lithic scatter Property Location T16S, R5W, Section 13, SEL of NWL, W.M. Map reference: USGS Junction City 71 quad, 1967 Site Location approx. 1 km west of the Vogt house off Vogt Lane on a small rise about 20 m south of a channelized drainage leading to Amazon Creek; elevation: 332' Site Description restricted scatter of charcoal and fire-cracked rock; Edward Vogt (Norman Vogt's father) said that the area west of the east Amazon Cr. channel had been a swale and had Lots of camas on it at one time; he found "fire rings" when he plowed parts of this area (probably similar to the site recorded here) Area of occupation 5 m in diameter
Property Location T16S, R5W, Section 13, SEt of NWt, W.M. Map reference: USGS Junction City 7t quad, 1967 Site Location approx. 1 km west of the Vogt house off Vogt Lane on a small rise about 20 m south of a channelized drainage leading to Amazon Creek; elevation: 332' Site Description restricted scatter of charcoal and fire-cracked rock; Edward Vogt (Norman Vogt's father) said that the area west of the east Amazon Cr. channel had been a swale and had lots of camas on it at one time; he found "fire rings" when he plowed parts of this area (probably similar to the site recorded here)
Map reference: USGS Junction City 7½' quad, 1967 Site Location approx. 1 km west of the Vogt house off Vogt Lane on a small rise about 20 m south of a channelized drainage leading to Amazon Creek; elevation: 332' Site Description restricted scatter of charcoal and fire-cracked rock; Edward Vogt (Norman Vogt's father) said that the area west of the east Amazon Cr. channel had been a swale and had lots of camas on it at one time; he found "fire rings" when he plowed parts of this area (probably similar to the site recorded here)
Site Location approx. 1 km west of the Vogt house off Vogt Lane on a small rise about 20 m south of a channelized drainage leading to Amazon Creek; elevation: 332' Site Description restricted scatter of charcoal and fire-cracked rock; Edward Vogt (Norman Vogt's father) said that the area west of the east Amazon Cr. channel had been a swale and had lots of camas on it at one time; he found "fire rings" when he plowed parts of this area (probably similar to the site recorded here)
elevation: 332' Site Description restricted scatter of charcoal and fire-cracked rock; Edward Vogt (Norman Vogt's father) said that the area west of the east Amazon Cr. channel had been a swale and had lots of camas on it at one time; he found "fire rings" when he plowed parts of this area (probably similar to the site recorded here)
restricted scatter of charcoal and fire-cracked rock; Edward Vogt (Norman Vogt's father) said that the area west of the east Amazon Cr. channel had been a swale and had lots of camas on it at one time; he found "fire rings" when he plowed parts of this area (probably similar to the site recorded here)
(Norman Vogt's father) said that the area west of the east Amazon Cr. channel had been a swale and had lots of camas on it at one time; he found "fire rings" when he plowed parts of this area (probably similar to the site recorded here)
Area of occupation 5 m in diameter
, o
Depth and character of fill silty clay of unknown depth
Vegetation cover grassy field
Present condition disturbed by previous plowing
Material collected or observed abundant charcoal and fire-cracked rock
Recommendations for future work
Owner and address Edward Vogt Attitude toward excavation
Present use agriculture
N. 1 7 13 Photograph Nos
35LA688
Cre
14 222 13
229 MILLIORA 336
Scale 1 inch = 620 meters Date March 11, 1983

Site No. 35LA689 County Lane Cutural Area Upper Will. Valley
Type of Sitelithic scatter
Property Location T16S, R5W, Section 15, NE ¹ of NE ¹ , W.M.
Map reference: USGS Elmira 15' quad, 1957
Site Location on a small rise at the edge of a terrace 30 m east of the Long Tom
River at the north side of its junction with an intermittent drainage between
two oak groves; elevation: 333'
Site Description small scatter of flakes and fire-cracked rock: maximum
density: 2 item/m²
Area of occupation 25 m in diameter
Depth and character of fill silty clay of unknown depth
Vegetation cover grassy pasture
Present condition surficially disturbed by plowing
Material collected or observed approx. 50+ flakes (40% chert, 30% obsidian, 30% basalt),
1 chert core, many FCR fragments
Recommendations for future work none
Owner and address Cecil & Vera Middleton Attitude toward excavation
Present use pasture
N
7
35LA686
BM 328
1 ~~~ 1 (1) 1 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Cheshire (Wooldridge
BM Quarry
357.A689
Creek 17 9 16 35LAG 14
35146953
BA 394
20 21. 7 × 22 % 23
35LABO
Graden Hall MEADOW VIEW POAD
BM 334 35LA
29 :/ 28 40 43 27708 351A706 Recorded by Kathryn Toepel
Scale Date February 26, 1984
(when square represents a section 1"=1/4 mi. (402 m))

Site No	35LA690	County	, Lane		Cutural Area	Upper Wil.	I. Valley
Type of Site	lithic	scatter	•			***************************************	***************************************
Property Locat	ionT1	6S, R5W,	Section 15,	SE l of NE	, W.M.		
			mira 15' quad	1 1057		••••••	
Site Location	adja	cent to	an intermit	ent drainag	ge on the s	outh side i	n the crook
of an oa	k grove;	elevati	Lon: 332'			••••••	••••••
Site Description	onsom	all scat	ter of flake	es and tools	s; maximum	density: 4	flakes/m²
				•••••		•••••	••••••
		•••••				•••••	
Area of occup	ation	10 m i	n diameter		•	•••••	•••••
Depth and cha	aracter of fil	si.	lty clay of t	unknown dept	th	•••••	•••••
			asture				
			lly disturbe				
Material colle	cted or obse	evad	approx. 15	flakes (65%	chert, 30%	obsidian,	5% basalt),
			per				
			none				
			era Middleto				
Present use	pascur				•••••	•••••	•••••
1 .		N.	11;	291 🛶 🕦	Photograph 1	Nos	
			35LA68		!	••••	
	3	SLA 684	35LA68	61			
Cree4		ار عدر م ^ا ر	815 10 0 35	LA687/11	•		
8	. ar.	ı	1 / 'DM 149'	BM 128			
7	- 80	Cheshi	FR (330	Wooldridge			
	В	·	Log Pond	Butte	• •		
		Mary.	35	7.A689	1		
Creek 17	4	16	357.A694	5LA67U 5LA69}14			
	1	ئى كى	146953 Y	35LA692			
	17		351	693			
		}		235			
	$I_{i_{j_{1}}}$	Graun					
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3 (anklin (es)Hall	•351480				
4		ا	35LA	ROAD:			
8 -		330	041 042 0	VADOR			
29	· :/ '	28 40	43 27708	35 LA 706	Recorded by		***************************************
Scale	inch =	1600 met	ers		Date	February 26	, 1984

Site No35LA691 CountyLaneCutural AreaUpper_WillValley	
Type of Sitelithic_scatter	
Property Location T16S. R5W. Section 15. SEt of NEt. W.M.	
Map reference: USGS Elmira 15' quad, 1957	
Site LocationOn west bank of intermittent drainage east of Long Tom River about	50
south of bow in drainage and 50 m north of fence; elevation: 332'	
Site Description very small scatter of flakes: maximum density: 1 flake/m2	
Area of occupation 10 m in diameter	
Depth and character of fillSilty_clay_of_unknown_depth	
Vegetation cover grassy pasture	
Present conditionsurficially_disturbed_by_plowing	
Material collected or observedapprox. 8-10 flakes (60% chert, 40% obsidian)	
Recommendations for future work	
Owner and address Cecil & Vera Middleton Attitude toward excavation	
Present use pasture	
N. 241 \ Photograph Nos	
35LA686	
8 935LA685 10 0 35LA68711	
- Bear Cheshire	
Loe Pond Butte	
357-A689	
Creek 351A690	
35LA6953 35LA692	
3514693	
BR 194.	
20 Quarry 22 % 23	
Gragen Hall MEADOW VIEW IROAD	
BM 334, 35LA	
29 28 43 27708 35 LA 706 Recorded by Kathryn Toepel	

Site No35LA692 CountyLane	Cutural AreaUpperWillValley
Type of Sitelithic.scatter	
Property LocationT16S, R5W, Section SEL of NEL	
Map.reference:USGS.Elmira.15! quad,1957	
Site Locationapproximately 100 m south of bend i	n.slough.or.broad.drainage.on.east
bank and 30 m northeast of an oak grove; elevat	ion: 333'
Site Description small scatter of flakes; maximum	
Area of occupation 40 m N-S by 15 m E-W	
Depth and character of fillsiltyclayofunknowndept	h
Vegetation covergrassy pasture	
Present conditiondisturbed_by_plowing	
Material collected or observedapprox50. flakes(50%	chert,40%.obsidian,10%.basalt);
no FCR noted	
Recommendations for future worknone	
Owner and addressCecil & Vera Middleton A	ttitude toward excavation
Present usepasture	
N.	
135LA	Photograph Nos.
3.	
35LA686 35LA686	
35LA68711	
9 35LA685 10 BM 328 BM 328	
Cheshire () BM 330 Wooddridge	
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3574689	
Creek 17 4 16 15 35LACA 14	
35LA692	
BM 191	
- "	
20 \ \ 21 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
20 \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
Grageritali MEADOW VIEW ROAD	
BM 334 35LA	
1 35LA 8	Recorded by Kathryn Toepel
$_{\text{c}}$ 1 inch = 1600 meters	February 26 108/

Site No. 35LA693 County Lane	Cutural AreaUpperWillValley
Type of Site lithic scatter (mound)	
Property Location T16S, R5W, Section 15, SW1 of SE1.	W.M.
Map reference: USGS Elmira 15' quad, 1957	
Site Location at north edge of oak and other trees	20 m.east.of.Long.Tom.River.and
north of section fence; elevation; 333'	
Site Description Obvious mound or rise about 1 m ab	ove_rest_of_floodplain;numerous
flakes, FCR, tools although surface was obscured	bygrass;maximum.observed
density: 4 flakes/m²	
Area of occupation25 m in diameter	
Depth and character of fillsiltyclay:.ro.dent.activity	indicates depth (1/2-1.m?)
Vegetation cover &rassy pasture	
Present conditiondisturbed.by.plowing.and.rodent.a	ctivity
Material collected or observedapprox100flakes(70%	chert,20%.obsidian,10%.besalt);
2 chert cores, split obsidian pebbles, large bas	alt.flake.tools,.FCR
Recommendations for future worktest	
Owner and address Cecil & Vera Middleton At	titude toward excavation
Present usepasture	
N.	Photograph Nos
35LA 2-/	
61.	
35LA686 35LA687	
8 935LA685 10 0 35LA68711	
- Bear Cheshire BM 148	
Log Pond Butte	
357.A689	
Creek 37 351A690	
17 16 15 •35LAG914 35LAG95 735LAG92	
3514693	
BR 1947	
Querry	
20 21. · · · · · · · · · · · · · · · · · · ·	
Gragen Hall	
BM 334 JSLA	
1 472 R5LA 9 19	Recorded by Kathryn. Toepel
Scale 1 inch = 1600 meters	Date February 26, 1984

		Lane	Cutural Area Upper Will. Valley
Property Locatio	n T16S, R5W, S	ection 15, $SW_{\overline{4}}^{1}$ of N	Eł, W.M.
***************************************	••••		
			es leading to Long Tom River;
			e-cracked rock; maximum density:
•			pth
•			<u> </u>
Present condition	on <u>disturbed</u> b	y plowing	
Material collect	ed or observedap	prox. 20 flakes (70	% chert, 25% obsidian, 5% basalt);
fire-crac	ked rock		
Recommendation	ons for future work	none	
Owner and add	dress Cecil & Vera	Middleton	Attitude toward excavation
Present use	pasture		
	N.	3 N 1/1757 A 2-1	/ : Ohanamark Nas
1		3 7 1735LA 2-/	Photograph Nos.
86.	744		4
	35LA 68	35LA486	1 !
8	935LA68	10 0 35LA68711 BM 32	• 8 - 4
٠ (بىل	- Beat Chestrire	BM 348	
		Log Pond Butte	· · · · · · · · · · · · · · · · · · ·
	The state of	357-A689	· i
Creek 17	4 16	51A694 - 351A690 - 351A691	
	354	6953 735LA692	<u></u>
- 17 Jan 7 - 5	,	- 4 .35LA693	
1/- /		335	
20	Quent	22 23	1
2) Franklin	•351480	
	Graggethall	MEADOW VIEW ROAD	\
1 2	Вм 334, 35	Ai:	Vatheren Marra 1
1 :	nch = 1600 meters	L 35LA % 📆	Recorded by Kathryn Toepel

Site No	35LA695 Count	y Lane	0	Cutural Area	Upper Will. Va	lley
Type of Site	lithic/ground	stone scatt	er			
	ion T16S, R5W					
	erence: USGS El					
	on plowed f					
	0001					
Site Description	on sparse so	atter of fla	kes and fire	-cracked ro	ck; maximum der	sity:
•	/3 m²; private o					
••••	2 stone bowls,			_		
Area of occup	pation 30 m N	I-S by 40 m E	–W		•	•••••
Depth and cha	aracter of fillst	lty clay of	unknown dept	h		
Vegetation co	ver open plo	wed field			•••••	
Present condit	tion disturbe	ed by plowing	and collect	ing activit	ies	
Material colle	cted or observed	approx. 40	flakes (30%	chert, 70%	obsidian)	
	•••••	•••••	••••	•••••	••••••	•••••
Recommenda	tions for future work	test		•••••		••••
Owner and ac	ddress Robert Si	.ewert	Att	titude toward ex	cavation	
	pasture					
	N.					••••••
ii o	- 4	11 347	35LA 2-/	Photograph No	os	•••••
) ;	-		29			
-	-∞ 35LA68	35LA6	Bb			
Creet .	,	. 3	LA687.			
/ 8 B	- 935LA	685	BM 328			
Α.	- Bed Ches	Tire (BM 348				
		Log Pand	Butte			
	- Jan	3	5LA 689			
Creek 17	16	352 A 694	35LA690 35LA69114			
		5146953 ?	35LA692			
		351	4693			
		-	2335			
20	Quart	ļ	-			
	21,	22	23			
	Grager Hell	•35LA80				
15	Вм 334,	35LA	2 3			
8		941 ' 942 2510	ALVADOR A	Recorded by .	Sara Scott, Jar	e Robbins
Scale	inch = 1600 met			-	bruary 24, 1983	

			Lane	c	utural Area	Upper Will. Valley
Type of Site	lithic	scatter				
						dirt road on
•••••		branch of Am	azon Creek	which li	es 200 m t	o east of site;
	on: 340'					
•						visibility hindered
due to	grass cove	er	••••••••••		•••••	
***************************************						••••••
						•••••
•						······
						nsity of cultural
						cavation
Present use	agricu.					
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		Bailey		· \		
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23	} 24	لاستنسان	* 2			
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		Jean	\			
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الم الماد	7 - \ \	35LA697		1		T- 0
<u>-</u>	Ebavei s P	4	341 /	· · · · · · · · · · · · · · · · · · ·	Recorded by	Jim Cox
Scale1	inch = 62	20 meters represents a section 1"="	4 mi. (402 m])	•••••	DateM	arch.5, 1983

Site No. 35LA697 County Lane	utural Area Upper Will. Valley
Type of Sitelithic scatter	
Property Location T16S, R5W, Section 24, SW ¹ of SE ¹ a NE ¹ of NW ¹ , W.M.; Map reference: USGS Junction	
Site Location in field behind Purkerson house alon line, on east side of tree grove about 150-200 m	
Site Description extensive scatter of chert and obsi 1 item/2 m ²	
Depth and character of fill silty clay of unknown depth	
Vegetation cover grass field	
Present condition disturbed by previous plowing	
Material collected or observed approx. 100 flakes (55%	chert, 40% obsidian, 5% basalt),
FCR, split obsidian pebbles, 1 chert biface, 2 ob	osidian bifaces, 1 used obs. flake
Recommendations for future work test	
Owner and address Louis Darrel and Rose Purkerson Att	itude toward excavation
Present use agriculture	
N.	
Cenekry 35LA696	Photograph Nos.
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Of Orest Phs 255 267 MEADOW	
26 35 LA699 Page 25	
	Recorded by Sara Scott, M. Freemesser

DateApril 5, 1983

Scale 1 inch = 620 meters

Site No 35LA698 County Le	ine (Cutural Area	Upper Will, Valley
Type of Sitelithic scatter			
Property Location T16S, R5W, Section	25, NEt of NWt	, W.M.	
Map reference: USGS Junction Co	Lty 73' quad, 19	67	
Site Location on a small rise at east of dirt road; elevation:			
Site Description small concentration density: 1 item/m²	on of flakes and	fire-cracl	ked rock; maximum
Area of occupation 30 m in diamete			
Depth and character of fill silty clay	of unknown dept	h	
Vegetation cover open plowed field	i ·		
Present condition disturbed by plo	owing		
Material collected or observed approx.	40 flakes (60%	chert, 35	% obsidian, 5% basalt),
2 split obsidian pebbles, 2 used	i chert flakes		
Recommendations for future worktest			······
Owner and address Fern Ridge Hunt	Club At	titude toward e	excavation
Present use agriculture			
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26 35 LA699 7 25	MEADOW		
351,703 35LA700	. 1	•	Sara Scott
Scale 1 inch = 620 meters		Date	April5,1983

Site No	35LA699 County .	Lane	Cutural Area	Upper Will. Valley
Type of Site	lithic scatter			
Property Lo	cation T16S, R5W, S	Section 25, NE	of SW1, W.M.	
Map re	ference: USGS Junc	tion City $7\frac{1}{2}$ ' of	uad, 1967	
Site Location	n approx. 250 m	south of Mead	ow View Road along	fence line south
of gra	vel pits on open flo	oodplain flats	200+ m west of Ama	zon Creek;
				••••••
	otion small scatte			
1 item	ıs/2 m²	······		•••••
Area of occ	cupation 20+ m in	diameter		
			own depth	
	cover open plower			
Material co	llected or observed	15-20 obsidian	and chert flakes	
				•••••••••••••••••••••••••••••••••••••••
Recommen	dations for future work	none		
Owner and	daddress Harold Dr	ew	Attitude toward	excavation
Present use	agriculture	·····		
	N.			
i	Giavel & Company	24, /	Photograph N	los
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	36	,		
\		ĵ \	• Recorded by	Jim Cox, Mark Freemesse
•		240	Recorded by	Jim Cox, Mark Freemes

Date March 24, 1983

Scale 1 inch = 620 meters
(when square represents a section 1"=1/4 mi. [402 m])

Site No	35LA700	County	Lane	(Cutural Area	Upper Will. Valley
Type of Site	lithic	scatter	•••••	••••••	•••••	
Property Loc	ation T16	S, R5W, Sec	tion 25, S	Et of SWt,	, W.M.	
Map re	ference: U	SGS Junctio	on City 7½'	quad, 196	57	
Site Location	appr	ox. 600 m s	outh of Me	adow View	Road along	fence line south
of gra	vel pits on	open flood	lplain flat	s between	Amazon Cre	ek and a channelized
former	slough; el	evation: 3	3481		•••••	
Site Descrip	tion <u>mod</u>	erate scatt	er of obsi	dian and o	chert flake	s; no tools noted;
site m	ay extend f	arther to t	he east ac	ross the j	property li	ne; maximum density:
1 item	/m²	••••••	•••••	•••••		
Area of occ	upation	70 m N-S x	30+ m E-W	•••••		
Depth and o	haracter of fill	silty o	lay of unk	nown depti	n	·······
Vegetation	covergr	ass field				
Present con	ditiond	isturbed by	plowing			
Material col	lected or obser	ved100)+ flakes (50% chert	45% obsid	ian, 5% basalt)
	······	••••••	••••••			
Recommend	dations for futur	re work!	est			
Owner and	addressH	arold Drew		At	titude toward e	excavation
Present use	agricul	ture	•••••			
	1 1190 v 1944 f	N.			Dhatasan N	los
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4		7	·			
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40-		S			Recorded by	Jim Cox, Mark Freemesse
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Scale 1 inch = 620 meters

(when square represents a section 1"=1/4 mi. [402 m])

Site No. 35LA701 County		Cutural Area	Upper Will. Valley
Type of Sitelithic scatter			
Property Location T16S, R5W,	Section 25, $SW_{\frac{1}{2}}$ of	SW l , W.M.	
Map reference: USGS Junc			
Site Location approx. 250			
channelized intermittent		Amazon Creek	just north of
section fence; elevation:			••••••
Site Description small light			
visibility obscured by gr	ass cover; maximum	density: 1 i	tem/2 m²
Area of occupation			
Depth and character of fill			
Vegetation covergrass fiel			
Present conditiondlsturbed			
Material collected or observed	ZU.tIlakes(.00%cne	rt4u%opsid	ian)
Recommendations for future work			
Owner and address Harold Dr			
Present use agriculture			
N.			
	N. T.	Photograph N	los
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Graveli Pita			
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1955		D	Jim Cox, Mark Freemesser
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Scale 1 inch = 620 meters Date March 24, 1983 Date March 24, 1983

	Cutural Area Upper Will. Valley
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	5, SEt of SWt, W.M.
Map reference: USGS Junction City	
	SW corner of section on floodplain flats
***************************************	tent drainage leading to Amazon Creek along
section fence between Sections 25	
	of obsidian and chert flakes; no tools noted;
visibility obscured by grass cover	; 1 item/4 m ³
	E-W
•	unknown depth
_	
	ng
Material collected or observed 25 flakes	(65% chert, 35% obsidian)
	Attitude toward excavation
Present use agriculture	
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	Thotograph Nos.
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	VIEW PRINCES
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	1 P E
155	Recorded by Jim Cox, Mark Freemesser
Scale 1 inch = 620 meters	Date
Scale 1 INCH = 020 Meters	

Scale ______ inch = 620_meters ______ (when square represents a section 1"=1/4 mi. [402 m])

Site No. 35LA703 County Lane Cutural Area Upper Will. Valley
Type of Sitelithic/ground stone scatter
Property Location T16S, R5W, Section 25, SW2 of SW2, W.M.
Map reference: USGS Junction City 71 quad, 1967
Site Location at SW corner of section on floodplain flats south of trees
on west band of channelized slough leading to Amazon Creek; elevation: 348'
Site Description light scatter of obsidian and chert flakes and one grinding
stone fragment; visibility obscured by grass cover; site may be extension of
35LA713 in Section 35 to west; 1 item/4 m ²
Area of occupation 40 m in diameter
Depth and character of fill silty clay of unknown depth
Vegetation cover grass field
Present condition disturbed by plowing
Material collected or observed 25+ flakes (60% chert, 40% obsidian): 1 grinding
stone fragment; 1 obsidian biface fragment (collected)
Recommendations for future work none
Owner and address <u>Harold Drew</u> Attitude toward excavation
Present use agriculture
N.
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Graveli Pits
MEADOW MEADOW
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35LA701
35LA703/0-1 obsidian
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36
Recorded by Jim Cox, Mark Freemesse
Scale1_inch.= 620_meters

Site No. 35LA704 County Lane	Cutural Area Upper Will. Valley
Type of Sitelithic scatter	
Property Location T16S, R5W, Section 26, NE ¹ / ₂ of SE ¹ / ₂	, W.M.
Map reference: USGS Elmira 15' quad, 1957	
Site Location on floodplain terrace 15 m from the	
Amazon Creek; about 300-400 m NE of Drew house	at end of Drew Lane; elevation:
345 '	
Site Description moderate scatter of flakes; no fi	re-cracked rock or charcoal
noted; maximum density: 2 flakes/m²	
Area of occupation 55 m N-S by 70 m E-W	
Depth and character of fill silty clay of unknown dept	
Vegetation coverplanted wheat field	
Present condition disturbed by plowing	
Material collected or observed approx. 75 flakes (30%	
Material concercs of our	
Recommendations for future worknone	
Owner and address Harold Drew A	
Present use agriculture	
Present use	
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Aruguir Para	
STATE PARE Eugene Vacnt Club	Recorded by Jim Cox
1 inch = 1600 meters	Recorded by
Scale Scale	Date

Site No	35LA705	County	Lane		 Cutural Area	Upper Will, Valley
Type of Si	e lithic s	scatter	************	•••••	•••••	••••••
Property L	ocation T165	, R5W, Sect	ion 26	, SWt of SEt	and SE ¹ of	SWł, W.M.
						Alvadore Road
betwe	en houses; e	levation: 35	<u>5'</u>	•••••	•••••	
	•					c.or.charcoal
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						lakes
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Richardson Butta	18.4	} 		35LA712		
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5 . V	Quarry 565	8 3 · ·		2.		
	NO PORT			485		
	Eugene Yacht Club	1	-4.5 A	# # r 0		y Jim Cox
Caal-	1 inch = 10	500 meters			Date	March 25, 1983

Site No35LA706 County Lane	utural Area Upper Will. Valley
Type of Sitelithic scatter	
Property Location	W.M.
Map reference: USGS Elmira 15' quad, 1957	
Site Location600 m.east.of intersection of Alvado	ore Road with Meadow View
Road, adjacent.to.Meadow.View.Road.and.west.of.c	_
on a small rise; elevation: 345!	
Site Descriptionsmall.scatter.of.flakes;.maximum.d	•
20 - 4- 44	
Area of occupation20 m.in.diameter Depth and character of fillsilty.clay.of.unknown.depth	
Vegetation coverplanted wheat field	
Present conditiondisturbed by plawing	
Material collected or observedapprox25+_chert_and_ol	
Recommendations for future worknone	
Owner and address Harold Drew Atti	tude toward excavation
Present useagriculture	
N.	Oh As assarb Man
	Photograph Nos.
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Richardson 8	
Butte Alvadore 4886	
35LA	
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EICHARDSON PT STATE PARK Gugene Yacht Club	Tie Com
Scale 1 inch = 1600 meters	Recorded by Jim Cox March 25, 1983
ct- I INCH = IOOU MELEIS	Date March 23, 1903

Site No. 35LA707 County Lane	Cutural Area Upper Will. Valley
Type of Sitelithic scatter	
Property Location T16S, R5W, Section 27, SW2 of SE2,	, W.M.
Map reference: USGS Elmira 15' quad, 1957	······································
Site Location on floodplain flat in plowed field	immediately north of section
fence on east side of channelized ditch; elevati	ion: 350'
Site Description sparse scatter of flakes and tools	
naturally occurring obsidian pebbles also observ	ved
Area of occupation 120 m N-S by 70 m E-W	
Depth and character of fill silty clay of unknown depth	n .
Vegetation cover open plowed field	
Present condition disturbed by plowing	
Material collected or observed approx. 70+ flakes (25% 1 point tip, 1 small point (collected), split of	chert, 70% obsidian, 5% basalt);
l-chert knife fragment (collected)	
Recommendations for future work test	
Owner and address Grover Kelsay Att	itude toward excavation
Present use agriculture	
N. Overn	Photograph Nos.
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Richardson 8 Alvadore	
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00000 565 0 566 B	35LA707/0-1 35LA707/0-2 obsidian chert
5 Arusti Pera	NW = 6.0 mm
STATE PARK Gugene Yacht Club	
Orchard Point	
35LA715	Recorded by Sara Scott, Pam Endzweig
1 inch = 1600 meters	April 1, 1983
(when square represents a section 1"=1/4 mi. [402 m])	

Site No 35LA708	. County Lane	C	utural Area	Upper Will. V	alley
Type of Sitelithic s	scatter	•••••	•••••	•••••	•••••
Property Location	S, R5W, Section 27	, NWt of SEt	, W.M.	••••••	
Map reference: US	SGS Elmira 15' qua	id, 1957	•••••	•••••	
Site Location along	north property fe	ence about 200	om east of	west fence by	<u> </u>
drainage ditch and	i approx. 500 m no	orth of 35LA70	07; elevati	on: 350'	•••••
	•••••	••••	•••••	•••••	
Site Description	ll scatter of flak	es; maximum o	iensity: 1	flake/m³	
		••••••	•••••		•••••
•••••		••••			
Area of occupation					
Depth and character of fill					
Vegetation cover Ope					
Present condition dis					
Material collected or observe	approx. 10	Dasalt Ilake	s; one obsi	dian point (co	officted)
				•••••	
Recommendations for future					
Owner and address Gro					
Present use pasture				•••••	
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Richardson 8	viAj. (adorei 35LA7	ì	obsidian W = 3.1 mm	
	35LA :: : : : : :	\$1			
in a compression	55.7				
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STATE PARE Fugene Yacht Ch	12 mg				
Eugene Yacht Cli	Orchard Point	· · · · · · · · · · · · · · · · · · ·			
35LA715	Recreation Area		Recorded by	Sara Scott,	Pam Endzweig
Scale 1 inch = 16	000 meters	· ROAD 11	The second secon	pril 1, 1983	•••••

Site No. 35LA709 County Lane Cutural Area Upper Will. Valley
Type of Sitelithic scatter
Property Location T16S, R5W, Section 29, SE ¹ / ₂ of SW ¹ / ₂ , W.M.
Map reference: USGS Elmira 15' quad, 1957
Site Location site lies in plowed field on south bank of small creek (Squaw Creek) and pond on east side of Thayer house, which is on north side of County Road 257;
elevation: 490'
Site Description thin scatter of flakes and tools; maximum observed density:
1 flake/5 m²
Area of occupation 30 m N-S by 60 m E-W
Depth and character of fill silty clay of unknown depth
Vegetation cover open plowed field
Present condition disturbed by plowing
Material collected or observed less than 25 flakes (80% obsidian, 15% basalt, 5% chert);
Thayer's daughter collected large projectile points from this area over the years
Recommendations for future work test
Owner and address Calvin & Betty Thayer Attitude toward excavation
Present use agriculture
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Goldson 20 21.
toe Prop - 35LABO
Graden Hell MEADOW VIEW
BM 334 35LA
#4Z 35LA
29 1/28 27708
35LA709
35LA197 35LA 707
33 34 357
31 32
Richardson 8
35LA
0 565 - 566-
ANUSH Park
35LA 60 STATE PARK Gugene Yacht Club
Orchard Point
1 inch = 1600 meters Sara Scott/M. Freemess Recorded by Sara Scott/M. Freemess April 5, 1983
Scale April 5, 1983 (when square represents a section 1"=1/4 mi. 1402 m1)

Site No 35LA710 County	Lane	. Cutural Area Upper Will. Valley	
Type of Sitelithic scatter			
Property Location T16S, R5W,	Section 35, NW2 of NW2	1 , W.M.	
Map reference: USGS Elm	ira 15' quad, 1957		
0.10 1000		est of Sandborn house at end of	
	•••••••••••••••••••••••••••••••••••••••	cottonwood grove and dirt road, south	h
of section fence; elevat			
		n pebbles and one large obsidian	
cobble core in associati	on with secondary flake	es; maximum density: 1 flake/2 m²	
Area of occupation 120 m N	-S Dy OU m E-W		
Depth and character of fill	ty clay of unknown dept	th	
Vegetation cover open plow	ed Ileid		
Present condition disturbed	Dy prowing	obblog and numerous cortex flakes	
		ebbles and numerous cortex flakes;	
***************************************		agate flake	
		Attitude toward excavation	
Present use agriculture			
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BM 334	35LA		
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Butta	Alvanore		
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ANUBLE POR ELICHANDON PT STATE PARE			
Gugene Yacht Club		!	
35LA715	Orchard Point	Recorded by Sara Scott/M. Freemess	er
1 inch = 1600 met	ers	March 31, 1983	
Scale(when square represents a se	ction 1"=1/4 mi. (402 m))	Date	

Site No. 35LA711 County Lane	Cutural Area Upper Will. Valley
Type of Site lithic/ground stone scatter	
Property Location T16S, R5W, Section 35, SW2 of NE	3 1 , W.M.
Map reference: USGS Elmira 15' quad, 1957	
Site Location site lies on floodplain flat on sl	
drainage leading to Amazon Creek; elevation:	330.
Site Description broad scatter of cracked obsidia	an pebbles and flakes; maximum
density: 1 flake/2 m²; private collections fr	com this site include small obsidian
projectile points, stone bowl fragments and pe	estles
Area of occupation 160 m N-S by 60 m E-W	
Depth and character of fill silty clay of unknown dep	
Vegetation cover grass field; visibility obscure	
Present condition disturbed by plowing	
Material collected or observed 20 split obsidian pebl	oles, 60 flakes (50% obsidian, 49%
chert, 1% basalt), natural obsidian pebbles, 2	2 chert nodules
Recommendations for future work test	
Owner and address Keith & B.A. March	Attitude toward excavation
Present use agriculture, grazing	
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4 351A693 Ti65	Photograph Nos.
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707 Se 35LA711	
33 34 35LA710 35 35	
Richardson 8 Alvadore Alvadore	
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Quan, 565	
Arugur Pare	Comp. Comp. /D - D. t.
STATE PARE	Recorded by Sara Scott/Pam Endzweig
1 inch = 1600 meters	April 15, 1983

Site No.	35LA712	County	Lane		c	utural Area	Upper Will.	Valley
Type of S	ite lithic	scatter	•••••				••••••	
Property Location T16S, R5W, Section 35, NEt of SWt, W.M.								
	reference: U						•••••	
Site Locat	ionsite	lies on west	bank	of sma			leading to Am	
Cree	k and east of	county road	; elev	vation	: 350'		•••••	
			•••••				***************************************	•••••
Site Desc	riptionsma	all scatter o	f obs	idian	flakes;	maximum de	nsity: 1 fla	ke/m³
	•••••					•••••	•••••	
	••••						•••••	
Area of o	occupation	10 m in diam	eter			•••••		
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							40% chert), 1	

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Na ₁₀	Creek	5 35L	A705	٠	4888			
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و تربي	. John SELAIN	!~	9 4	3.	5LA711			
ी 32	33	34 352A	710	35	4587			
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, V.	565	566 ~ 8 ', 3 · · · · ·	8	2.L				
	NIT PERE			~	4885	Recorded by	Sara Scott	
Scale	1 inch = 1	1600 meters			-	•	pril 14, 1983	}

lithic ecatter	Lane	Cutural Area	Upper Will. Valley
Type of Sitelithic scatter		•••••	
Property Location T16S, R5W, Se	ection 35, NE	of NEt, W.M.	
Map reference: USGS Elmira	a 15' quad, 195	57	
Site Location site lies on we	st bank of sma	ill slough leading	to Amazon Creek
and east of Drew house and			
elevation: 350'		••••••	•••••
Site Description sparse scatte			
			•••••
Area of occupation 60 m N-S	oy 40 m E-W		
Depth and character of fillsilty		vn depth	
Vegetation cover grass field			
Present condition disturbed by	y plowing		
Material collected or observed as	pprox. 25 flake	es (60% obsidian,	40% chert), 1 pink
chert projectile point (co	llected)		
Recommendations for future work	test		
Owner and address Harold Drew		Attitude toward e	xcavation
Present use agriculture		••••••	
N.			
Ee 2	52A643	r 16 5 Photograph N	os
		10'	••••••••
20 21 22	1 5 1	19 90 .	
	1 5 1		
li Franklin .35LAE	:		
Tranklin .35LAE			
-Gracen Hall		4889	
-Gracentall	A 25 LA 706		
Gradge Hall MEADOW VIE BM 334 35LA 941 29 :/ 28 40 43 2770 Squa, /: Creek	A 35 LA 706	489 35LA704	
Gradge Hall MEADOW VIE BM 334 351A 42 351 29 1/ 28 40 43 2770 Struct Crock	A 351A706	35LA704	
Gradge Hall MEADOW VIE BM 334 35LA 941 29 :/ 28 40 43 2770 Squa, /: Creek	A 25 LA 706;	35LA704 1888	
BM 334 35LA 2770 Square Creek A709 35LA 197 35LA 197	A 25 LA 706;	35LA704 ¹⁸⁸⁸ 3SLA713	251 471 2 (0. 1
35LA 2770 Sing Crack 335LA 197 351A 2770 351A 2770 351A 2770 351A 2770 351A 2770 351A 2770	35 LA 705 35 LA 705 7 7 7 7 7 7 7 35 35 35 35 35	35LA704 1588 35LA713 5LA711	35LA713/0-1 chert
29 / 28 40 43 2770 Synon Crook 35LA 197 35	35 LA 706 35 LA 706 7	35LA704 1588 35LA713 5LA711	· · · · · · · · · · · · · · · · · · ·
35LA 2770 Sing Creek A709 335LA 197 351 351 351 351 351 351 351 35	35 LA 705 35 LA 705 7 7 7 7 7 7 7 35 35 35 35 35	35LA704 ⁴⁸⁸ 35LA713 5LA711 ⁴⁸⁷ 712	chert
35LA 3770 Square Creek Richardson 8 33LA 35LA 35LA 35LA 35LA 35LA 35LA 35LA	35 LA 705 35 LA 705 7 7 7 7 7 7 7 35 35 35 35 35	35LA704 ⁴⁸⁸ 35LA713 5LA711 ⁴⁸⁷ 712	chert
29 / 28 40 43 2770 Synon Crook 35LA 197 35	35 LA 705 35 LA 705 7 7 7 7 7 7 7 35 35 35 35 35	35LA704 4588 35LA713 5LA711 4587 712.	chert

11461	Lane Cutural Area Upper Will. Valley					
Type of Sitelithic scatter						
Property Location	tion 7, NW1 of NE1, W.M.					
Map reference: USGS Elmira 15' quad, 1957						
Site Location on edge of footh	nills in densely wooded area (pine and oak); site					
	orth side of fenceline east of powerline and due					
	nd of driveway off Lawrence Road; elevation: 395'					
Site Description sparse scatter	of flakes; maximum density: 1 flake/2 m²;					
flakes were visible in 10 m	area of cow path; thick vegetation obscured					
Area of occupation 10+ m in di	iameter					
Depth and character of fill silt of	f unknown depth					
Vegetation cover thick brush,	oak (10%), pine(90%)					
Present condition disturbed by	cattle					
Material collected or observed app	prox. 10 flakes (60% obsidian, 40% chert)					
Recommendations for future workt	test					
Owner and address Lane County E	Escrow Service Attitude toward excavation					
Present use cow path, woods						
N.	Photograph Nos.					
COLA!	Photograph Nos.					
36	33					
	Richardson 8, L					
	35LA					
	567 July 100 565 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5					
بهيزن أم	4 3568					
1 2 vo	AUBRI PAIR					
*35LA660	ACUBLI PARK ELCHARIDSON PT STATE PARK Eugene Yacht Club					
35LA660 35LA714	Artigut Park BICHARDBON PT STATE PARK Gugane Yacht Club Or					
J S Corect	STATE PARE Gugene Yacht Club Or Rec					
J S Corect	STATE PARE Gugene Yacht Club Or					
Creek all	STATE PARE Gugene Yacht Club Or Rec					
7	35LA7IS Ren 9 35LA7I6					
7	SLA715 SLA717					
Creed 7	SLATIS 35LATIS 9 35LATIS 16 17 FERN RIDGE					
Creed 7	SLA7IS SLA7IS 9 35LA7IS 16					

Site NoCumty Lane	tural Area Upper Will. Valley
Time of Site lithic scatter	
Property Location T17S, R5W, Section 8, SEt of NWt, N	N.M.
Map reference: USGS Elmira 15' quad, 1957	
Site Location on bench of peninsula above Fern Ridg	ge Lake east of Inman Cemetery
at former mouth of Inman Creek on flat area above	a lake trees lie hetween site
the recervoire elevations 3001	
great and the reservoir, statuted of flakes benefit and	-411 - 4- 414-1 4
Site Description sparse scatter of flakes barely vis	sible in thick grass in eroded
areas; maximum density: 1 flake/4 m²	
60 - N C hr 170 - F U	
Area of occupation 60 m N-S by 170 m E-W	
Depth and character of fill silty clay of unknown depth	
Vegetation cover heavy grasses, poor visibility	
Present conditiongood	
Material collected or observed approx. 20 flakes (70%)	
1 point tip, 1 small unstemmed obsidian point ba	
Recommendations for future work test	
Owner and address Ben & Thelma Inman Attit	
Present use stock grazing	
N.	Nic Assessed Alice
35LA197	Photograph Nos
35LA 197	
36 31 33	
Richardson 3	
35LA	
365. 561	
35LA660 :- BICHARDON FT	
357A714 Gugene Facut Club	
Creek 3	
12 35LA715	35LA715/0-1
7 9 8	obsidian
35LA716	
# 35LA717	
ARMOLD LANG	
13 18 17 FERN RIDGE	
351A721 351A718	Recorded by Sara Scott, Jill Chappe
1 inch = 1600 meters	April 21, 1983
(when square represents a section 1"=1/4 mi. (402 mj)	

Site No	35LA716	. County La	ne	Cut	ural Area	Upper Will. V	/alley
		catter	•••••••••••				
Type of Site .		, R5W, Section	8. NE l of		. M .	•	••••••
Property Loca	11011	GS Elmira 15'	••••••			••••••	•••••
	on cour	theast corner	• • • • • • • • • • • • • • • • • • • •				
Site Location			***************************************	HOL CII	or rence	on small poir	1 C
above r	ern kidge L	ake; elevatio	n: 363			••••••	•••••
							•••••••••••••••••••••••••••••••••••••••
-		l scatter of f					
was poor	r due to he	avy grass cove	r				••••••
						•••••	•••••
Area of occup	pation2	O+ m in diamet	er				
Depth and ch	aracter of fill	silty clay	of unknown	depth			•••••
Vegetation co	overhea	vy grasses, po	or visibili	ty.			
		haps disturbed					
		approx.					
	obsidian p						
Pecommenda	ations for future	work none					
		& Thelma Inma					
		razing					
Present use		N.		•••••••	••••••••		
	۵: توینسر		367	, Pl	notograph No	os	
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7 / 27	1	Butta		<u> </u> }			
<u> </u>	1.1.0		3	SLA .			
م	The same	13.4	Our. 9365.	-561			
1 Ammo	9350 A660		TUBLE PARK	\$68 ***			
\(\sigma_{\text{275}}\)	357A	714	STATE PARK Eugene Yacht Club				
77-	S Creek			Or Rec			
. 12	1/3/	35LA	715				
1	7	Cemi 8	9				
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- (- : !	1. J. S. LANG	MD: 1	_}				
) '(AAMOLO	35LA71	į				
13	18	17	· 16 FERN	RIDGE			
354A72	3	SVA7IB		:	Perorded by	Sara Scott,	Jill Chappe
1	inch = 160	00 meters	7		Ap	ril 21, 1983	
Scale		presnts a section 1"=1/4 mi	. (402 m))	۱	Date		

Site NoCounty Lane	Cutural AreaUpper Will. Valley
lithic/ground stone scattor	
Property Location T17S, R5W, Section 17, NW ¹ of NW	ł, W.M.
4 1000 D1 1 101 1 1000	
Site Location site is immediately adjacent to Fer	
the lake south and east of the Surcamp house;	••••••••••••••
Site Description small scatter of flakes; owner pr	reviously collected a pestle and a
grooved scoria abrader from the site; may be mo	ore extensive but visibility
was poor due to heavy grass cover; maximum dens	
Area of occupation 10 m N-S by 20 m E-W	
Area of occupation	
Depth and character of fill silty clay of unknown dept	
Vegetation cover heavy grasses, poor visibility	
Present condition perhaps disturbed by plowing	7 obeidian 107 chert):
Material collected or observed approx. 10 flakes (902	6 Obsidian, Tox Cherry,
Recommendations for future work none	
Owner and address Early & Veree Surcamp At	titude toward excavation
Present use stock grazing	
N	Photograph Nos.
**** 35 CA /14	
35LA7IS	
7	
35LA 716	
# 35LA717	
asmoto tame	
13	
3351721	
Our Lane 1	•
720	
20 21 20 21	
THE GROVE LAND	
o Elmira	-
Union High School 51 A780	
25 30 29 28	Sara Scott, Jill Chappel
	Recorded byApril 5, 1983
1 inch = 1600 meters Scale	Date

Site No. 35LA718 County							
Type of Sitelithic scatter							
Property Location T17S, R5W, Section 18, NW1 of SE1, W.M.							
Map reference: USGS Elmira 15' quad, 1957							
Site Location on a small rise immediately east of Territorial Road and							
about 30 m south of driveway leading to Harrang mobile home about 300 m west							
of Fern Ridge Lake; elevation	n: 390'		•••••				
Site Description small scatter of flakes visible in plowed strip on west edge of							
grass field; visibility badl	y obscured by gra	sses; maximum	density: 1 flake/m²				
	•••••						
Area of occupation 20+ m in di	ameter						
Depth and character of fillsilty c	lay of unknown de	pth					
Vegetation cover planted grass	field						
Present condition disturbed by							
Material collected or observed appr	ox. 12+ flakes (6	5% chert, 10%	obsidian, 15% basalt)				
	·····						
Recommendations for future work	ione						
Owner and address James Harrang	3	Attitude toward ex	ccavation				
Present use agriculture	••••						
N.							
357A714	. Eugene Tacht Club	-l	os				
) 55° com.	SLA7I S	C					
	9 9	i !					
7 8	35LA716						
35	LA717						
anoto cure	_ 16	!					
3514721 18 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	7 FERN RID ! SPILLWA	•					
3518719	10	ļ					
35LA +							
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- Creek: 19	20	i !					
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o simira.		-					
Union High School 351 4780	<i>.</i>						
25 30	28						
	Bundaryo. It	Recorded by					
Scale 1 inch = 1600 meters		DateM	ay 19, 1984				

Site No	35LA719	County	Lane	C	utural Area	Upper	Will. 1	Valley
Type of Site	lithic	scatter						••••••
Property Loca	T17	S, R5W, Sect	tion 19, NW	of NW1,	W.M.	•••••••	••••••	
Map ref	erence: U	SGS Elmira	15' quad, 19	57	•••••••••••	••••••		•••••
	flako		ed along dir	•••••	road behi			
Site Location		••••••	eek lies 150	•••••	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	••••	***********
***************************************		11 gcatter (of obsidian	flakes a	nd anlit n			have
Site Description	JII		cked points	• • • • • • • • • • • • • • • • • • • •		••••••	· · · · · · · · · · · · · · · · · · ·	•••••
*****************		l flake/m²	Laca points	or opsid	and Cir	E16 110	Mi Che	property;
	•••••••	• • • • • • • • • • • • • • • • • • • •	20 - P.W1.	•••••				•••••
Area of occup			20 m E-W alo					
Depth and ch			lay of unknow			•••••		•••••
Vegetation co	ver	••••••	oak, fir, o	•••••				•••••
Present condi	tiond1		road but muc	•••••		•••••	• • • • • • • • • • • • • • • • • • • •	
Material colle	ected or ob ser	ved appr	rox. 10 obsi	dian fla	kes and se	veral s	split o	osidian
pebbles			•••••			• • • • • • • • • • • • • • • • • • •	•••••	
Recommenda	itions for futur	re workt	est			•••••		
Owner and a	ddressRi	chard & Ade	laide Spence	rAtti	tude toward e	xcavation		
Present use	woode							
		N.						
11 }		7	Eem.	9	Photograph N	os		•••••
) h.;;		j'	,35LA7	16		••••		,
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		WHOLD THE	@ 35LA717	! !				
	13	18 /	17 F	. 16 ERN				
and and a	SLA721 .	7°351A7	•	ern I				
	3.3	518719	-	1 >				
-: ا	Our Lane	×351-A +	المستنسب					
~*	24	720	•	1				
3	- Creek :		20	111				
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E	lmira.	/ <i></i>	.,.					
1,-4	Unko High	School SI A 780						
· 26	251	~ 30 L	29	2				
				10.7 10.7 1.7				
1	Log V	· ·		Maywood				
1	Pond .8M 400	<u></u>	SOUTHERN		Doggardad b	Sara	Scott,	Judy Willig
	inch = 1	600 meters		. ,	Ma	ay 25,	1983	, <u>.</u>
Scale	_				Date	.		

Site No	35LA720	County .	Lane		Cutural Area	Upper	Will. \	/alley	, -
Type of Site									
Property Location T17S, R5W, Section 19, NW1 of NW1, W.M.									
Map re	ference:	USGS Elmi	ra 15' quad,	1957		••••			_
			posed in gar rainage lead						
**************	Lake: 390								
Site Descript	ion SI	mall scatt	er of obsidi	an flakes	; owners h	ave previ	iously	collec	ted
narrow	necked po	oints and	a pestle fro	m the sit	e area (re	covered	rom a	post t	iole);
maximu	m density:	l flake	/m²		•••••				. .
Area of occi	pation	10 m N-S	by 20 m E-W	along ro	adway				. .
Denth and c	haracter of fil	ıı silt	y clay of un	known dep	th	••••		,	
Vegetation (over1	brush, poi	son oak, fir	, oak tre	es				
Present cond	dition	iisturbed	by road but	much of s	ite probab	ly intac	<u> </u>	· · · · · · · · · · · · · · · · · · ·	
Material col	lected or obs	erved	20+ obsidian	flakes;	points and	pestle :	are in		
Recommend	lations for fut	ure work	test		······································		····		
			Adelaide Spe						
	gard				••••		······		
		N.							
11 /	1	7	* . Tem	i	g Photograph	Nos	······································		
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1)		484010 . LANE	/_ ~	. 10	3				
	13	18	17	FERN	•				
	354721 }	3	SIA718						
	OUR LANK	354719							
900		735LA	T						
3	24 Creek :	19	20	1,,	•				
	FIR GROVE LAND	2/12							
- 4040	Elmira.	1-15-76-							
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·26 ·	251	ع ادد. را 30	29	·· : i .	2				
رسيا - ا									
1	Pond	ļ. -		Maywood	Ţ:				
//	.BM400		SOUTHERN		Recorded	by Sara	Scott,	Judy	Willis
	l inch =	1600 mete	ers		Date	May 25,	1983		

Site No. 35LA721 County Lane	Cutural Area IInner Will Valley					
Site No	Coloral Area					
Type of Sitelithic scatter (spring site) Property LocationT17S, R6W, Section 13, NW2 of SE2, W.M.						
Map reference: USGS Elmira 15' quad, 1957						
Site Location around margins of spring site situa						
foothills west of Demming Road near unnamed dra						
elevation: 475'						
Site Description very sparse scatter of debitage						
density: 1 item/4 m²						
20 - 1- 11						
Area of occupation 30 m in diameter						
Depth and character of fillsoft_silt_of_unknown_deptl						
Vegetation covergrassy pasture						
Present conditionapring has been dredged and impr						
Material collected or observednoted_fewer_than_10_ch						
Recommendations for future worknone						
Owner and address						
Present usepasturesmall_farmElmira						
N.	Photograph Nos.					
7 7 8	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
354716						
35LA717						
16	Tara tima manidant (Mma					
13 18 17 FERN	Long-time resident (Mrs. Allison) has obsidian tools,					
351A721 351A718	cores and flakes collected					
35 LA 714	from spring vicinity over the years; the large size of the					
35LA +	obsidian is probably due to the					
3 = 24 Creek: 19 20	proximity to the Inman Creek/ Fern Ridge source; according to					
THE GROVE LANE.	Mrs. Allison, the open pasture					
- 1º04o Elmira.	in this area was formerly timber; there is another spring					
Union High School	to the NW and one more ½ mile S					
·26						
-4-60						
1 100						
BM400 Maywood						
Scale 1 inch = 1600 meters	Recorded by Kathryn Toepel, Jim Cox May 24, 1984					
Scale Tinch = 1000 meters	Date					