APPENDIX U

Archaeological Assessment
June 2015

A-115

Phase I Archaeological Investigation for the proposed Orchard Street subdivision
Orient, Town of Southold, Suffolk County, New York

June 2015

Prepared for:
East End Holdings, Mount Sinai, New York

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with Alexander Padilla (CAD)

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MANAGEMENT SUMMARY

PR#:
none known

Involved agencies:
Town of Southold

Phase:
Phase IA & IB

Location:
Orient
Town of Southold
Suffolk County

Survey Area:
Length: about 675 feet (206 meters) north-south
Width: about 600 feet (183 m) east-west
Acres Surveyed: 13 acres (5 hectares)

USGS:
Orient, NY

Survey overview:
ST no. & interval: 224 ST's at 50ft (15m) intervals
Size of freshly plowed area: na
Surface survey transect interval: na

Results:
No prehistoric or historic remains.

Results of Architectural Survey:
No. Of buildings/structures/cemeteries in project area: none
No. Of buildings/structures/cemeteries adjacent to project 4
No. Of previously determined NR listed or eligible buildings/structures/cemeteries/districts: none
No. Of identified eligible buildings/structures/cemeteries/districts: none

Authors:
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Date of Report:
Report completed June, 2015

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INTRODUCTION

Between June 5 and 26, 2015, TRACKER Archaeology, Inc. conducted a Phase IA documentary study and a Phase IB archaeological survey for the proposed Orchard Street subdivision in Orient, Town of Southold, Suffolk County, New York.

The purpose of the Phase IA documentary study was to determine the prehistoric and historic potential for the recovery of archaeological remains. The Phase IA was implemented by a review of past and current environmental data, archaeological site files, other archival literature, maps, and documents.

The prehistoric and historic site file search was conducted utilizing the resources of the New York State Historic Preservation Office in Waterford, New York. Various historic and/or archaeological web sites may have been visited to review any pertinent site information.

The purpose of the Phase IB field survey was to provide physical evidence for the presence or absence of prehistoric or historic sites on the property. This was accomplished through subsurface testing and ground surface reconnaissance.

The project area consists of the entire property at about 13 acres. The property is located at the northwest corner of the Orchard Street and Platt Road intersection.

The study was conducted by TRACKER Archaeology, Inc. of Monroe, New York. Prehistoric and historic research was conducted by Alfred Cammisa, M.A. Field investigations were conducted by field director Alexander Padilla, B.A. and field technicians, Conner Winters, Hakeem Poe, and Elijah Padilla. Report preparation was by Alfred Cammisa and Alexander Padilla.

The work was performed for East End Holdings, Mount Sinai, New York.

ENVIRONMENT

Geology

The project area is located in the southeast portion of New York State in the northeastern part of Suffolk County. This portion of New York lies in the Atlantic Coastal Plains Physiographic Province. The coastal plain slopes gently eastward and is actually a strip of recently emerged sea bottom. The soils in this region consist largely of sand, clay and marl (a mixture of clay, finely fragmented shell and calcite). This region of Suffolk County, on Long Island's North Fork, lies on an out wash plain south of the Harbor Hill Moraine. A glacial meltwater channel had once separated Orient Point from the rest of the north fork (Schuberth 1968: cover map, 9, 184-186; Van Diver 1985: 70; Sirkin 1995:142, 149-150).

Soils and Topography

Soils on the project area consist of:

Name	Soil Horizon Depth in(cm)	Color	Texture Inclusion	Slope %	Drainage	Landform
Haven	O 3.5-1.5in (9-3cm) 0 1.5-0 (-0) A 0-3 (-8) B 3-10 (-25) B2 10-19 (-48)	leaves organic 10YR4/2 7.5YR4/4 7.5YR5/6	Lo	0-2	well	outwash plains

(Warner 1975: map #5, inset map #3; pgs. 71-72, 77-78).

Elevations on the property range approximately from 15 feet above mean sea level. The project area is located on the north fork, a narrow peninsula, and in Orient, a small peninsula.

Hydrology
The property is bout 2865 feet east of Orient Harbor at its closest, 2567 feet west of Long Beach Bay, and 4100 feet southeast of the Long Island Sound.

Vegetation
The predominant forest community inhabiting the Coastal Plain in this vicinity (Cape Cod to the Carolinas) was the Northern Pine-Oak Forest. These forests are maintained largely by the effects of frequent fires. Were it not for the fires which the pine species have adapted to, these forests would slowly change to Mesic, dominated by oak, hickory and red maple. Northern Pine-Oak Forests fall within the larger Xeric Forest category. Xeric forests occur on sandy or otherwise poor soils that are overly dry. All coastal plains of eastern North America are Xeric. They generally have lower species diversity than bottomland forests (Kricher 1988:16-17, 65-66). The reason the forest soils and surfaces are so dry in this moist region is due to the excessive drainage of overly sandy soils on the Coastal Plain.

At the time of the Phase IB archaeological investigations, the project area consisted of an overgrown fallow field composed mostly of wild rose bushes, poison ivy, and weeds.

PREHISTORIC POTENTIAL

A prehistoric site file search was conducted at the New York State Historic Preservation Office (NYSHPO). The search included a 1 mile radius around the study area. The following sites were recorded:

NYSM Sites	NYSHPO Sites	Distance from APE ft(m)	Site Description
	10310.0008	2414 (736)	5 Acres Indian Village: area of several camp about 600 years prior to Euro-American settlement, relics found, shell midden (Late woodland?)
	10310.0254	3376 (1029)	Major Banks (form unfilled), no info.
	10310.0255	4491 (1369)	Brown Brothers shell midden

NYSM Sites	NYSHPO Sites	Distance from APE ft(m)	Site Description
	10310.0261	1812 (552)	KIng Street:(form unfilled) no info
	10310.0262	4211 (1284)	Peters Neck
	10310.0263	2355 (1718)	Orient Flaking Station/Hallock Site: small workshop near the village site, covers more than 50 acres, more than 300 scrapers on plowed surface
	10310-0264	4786 (1459)	Orient Period (Transitional) style burial with cremation, artifact cache, red ochre, possible bone bundle at deep level
697		4205 (1282)	no info.

An Orient Period ceremonial burial site was reported in Orient (Stone nd:,map).

In addition, Indian trails were reported in the general vicinity of the project area connecting the tidal creeks along the southern and northern portions of the north fork, one appearing along, or near, Route 25 and 48. Both cross over into Orient (Stone nd:map). Although the foot trails were reported during early historic times, they undoubtedly existed prehistorically.

Assessing the known environmental and prehistoric data, we can summarize the following:

-The property is about 2865 feet east of Orient Harbor at its closest, 2567 feet west of Long Beach Bay, and 4100 feet southeast of the Long Island Sound.

-The project area is comprised of level terrain with well drained soils.

-The project parcel is located on a small peninsula. Previous archaeological investigations have shown these areas as more desirable for prehistoric occupation (Cammisa 1996).

-Prehistoric sites are near the study area.

-Indian trails were located in the vicinity.

In our opinion, the study area has a higher than average potential for the recovery of archaeological remains. The type of site encountered could be a small processing/procurement site.

HISTORIC POTENTIAL

Contact Period (Seventeenth Century)
At the time of European Contact and settlement, the study area was likely occupied by either the Saugust or the Poquatuck. These were probably branches or villages of the large Corchaug tribe. (Stone nd:map; Stone-Levine 198:161).

The previously mentioned Indian trails were reported along Routes 25 and 48, connecting tidal creeks along the southern and northern portions of the north fork and crossing over to into Orient.

It may have been Town policy to keep the Indians grouped in the western portion of the Town which was considered wilderness at this time. In 1664 it was voted that the Indians could plant in Hogs Neck if they had sufficient fencing (Anonymous 1982:8).

Orient was first settled about 1661 (Town of Southold web site).

Eighteenth Century
Wigwams were still being used during this period. Two wigwams were located in Orient at this time. The wigwams were reported in the 1740's by Reverend Horton who probably lived in it while visiting (Stone nd:map; Stone 1980:170). The term wigwam may refer to a hamlet or small village of these dome shaped dwelling structures.

A wharf and warehouse were constructed in Orient by 1740 (Town of Southold web site).

Oyster Ponds, now called Orient, was connected with the rest of the Town by a low, sandy beach which was, at times, covered by water. This tract was called Poquatuck by the Indians which means tidal river, cove, or creek (Thompson 1918:385, Tooker 1962:195).

Population at the beginning of the American Revolution was approximately 3000, excluding slaves. Taverns were the center of social life and spirits were sold by the gallon. Principal diversions of males in the town were horse racing, cockfighting, card playing and shooting at the mark (Southold, NY web site).

Nineteenth Century
The 1836 Colton map does not depict Orchard Street but Main Road and Village Lane are shown (Figure 3).

The 1858 Chace map does not show roads but rather the buildings along the roads. Building are depicted along where Village Lane, Orchard Street, and Main Road are. No buildings are on or immediately adjacent to the project parcel (Figure 4).

The 1873 Beers atlas shows Taylor Road, Platt (Halyoke Avenue), and Orchard Street. Orchard Street's orientation is not accurate, it should be largely an east-west road and this map depicts it going north-south. The cemetery on Taylor is shown further north. The W. J. Young building appears to be on the out-parcel, adjacent to the project area (Figure 5).

The 1896 Hyde atlas shows the road configuration different. No buildings are on or immediately adjacent to the project parcel (Figure 6).

Twentieth Century
The 1904 USGS shows a structure on the out-parcel, adjacent to the project parcel (Figure 7).

In the late nineteenth century, the Town farming became highly specialized in areas such as potatoes, cauliflower, brussels sprouts, peas, beans, and the like (Bailey 1949:162).

An historic site file search was conducted at the New York State Historic Preservation Office (NYSHPO). The search included a 1 mile radius around the study area. The following sites or disctricts were recorded:

NYSM Sites	NYSHPO Sites/Districts	Distance from APE ft(m)	Site Description
	NR#90NR01894	800 (244)	Orient Historic District

Assessing the known environmental and historical data, we can summarize the following:

--The property is about 2865 feet east of Orient Harbor at its closest, 2567 feet west of Long Beach Bay, and 4100 feet southeast of the Long Island Sound.

-The project area is comprised of level terrain with well drained soils.

-Indian trails were located in the vicinity. Indian wigwams were in the vicinity.

-An historic MDS was adjacent to the project area, visible on the 1873 and 1904 map but not the 1858 or 1896 maps.

-The Orient historic district is nearby.

In our opinion, the study area has a higher than average potential for the recovery of historic Euro-American sites and a moderate potential for native American historic sites.

FIELD METHODS

Walkover
Exposed ground surfaces were walked over at approximately 3 to 5 meter intervals to observe for artifacts. Covered ground terrain was also reconnoitered at 15 meter intervals for any above ground features, such as berms, depressions, or rock configurations which might be evidence of a prehistoric or historic site. Photographs were taken of the study area.

Shovel Tests
Shovel tests were to be conducted between 15 meter intervals across the project area. Each shovel test measured about 30 to 40 cm. in diameter and was dug into the underlying B horizon (subsoil) 10 to 20 cm. or more when possible. All soils were screened through 1/4 inch wire mesh and observed for artifacts.

Each shovel test was flagged in the field. Any positive shovel tests were doubled flagged. All shovel tests and any archaeological finds were mapped on the project area map at this time.

Soil stratigraphy was recorded according to texture and color. Soil color was matched against the Munsell color chart for soils. Notes were transcribed on pre-printed field forms and in a notebook.

FIELD RESULTS

Field testing of the project area included the excavation of 224 shovel tests (ST's) across the project area. No prehistoric artifacts or features were encountered. No historic artifacts or features were encountered.

Stratigraphy across the project area included the following:

-O horizon - 2 to 5 cm. thick of forest root mat, leaf litter, and humus.

-Ap horizon - 17 to 32 cm. thick of 10YR4/3, brown loamy sand.

-B horizon - 10 to 20 cm. dug into of 10YR5/6 yellow brown loamy sand .

CONCLUSIONS AND RECOMMENDATIONS

Based upon location on a small peninsula with close proximity to water, proximity to known prehistoric sites, Indian trails, terrain and soil types, the project area is seen as having a higher than average potential for the recovery of prehistoric sites.

Based upon the similar environmental characteristics, proximity to historic sites, map documented structures, and/or Indian trails, the project area was seen as having an above average potential forEuro-American sites and a moderate potential for encountering historic aboriginal sites.

The Phase IB resulted in the excavation of 224 ST's. No prehistoric artifacts or features were encountered. No historic artifacts or features were encountered. No further work is recommended.

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<u>Maps</u>

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1896 *Map of Long Island.* Brooklyn, New York: Hyde & Company.

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United State Geological Survey
1956 *Orient, New York* quadrangle map, 7.5 minute series.

1904 *Shelter Island, NY* quadrangle map, 7.5 minute series.

APPENDIX 1

Figure 1

Portion of the Orient, NY USGS

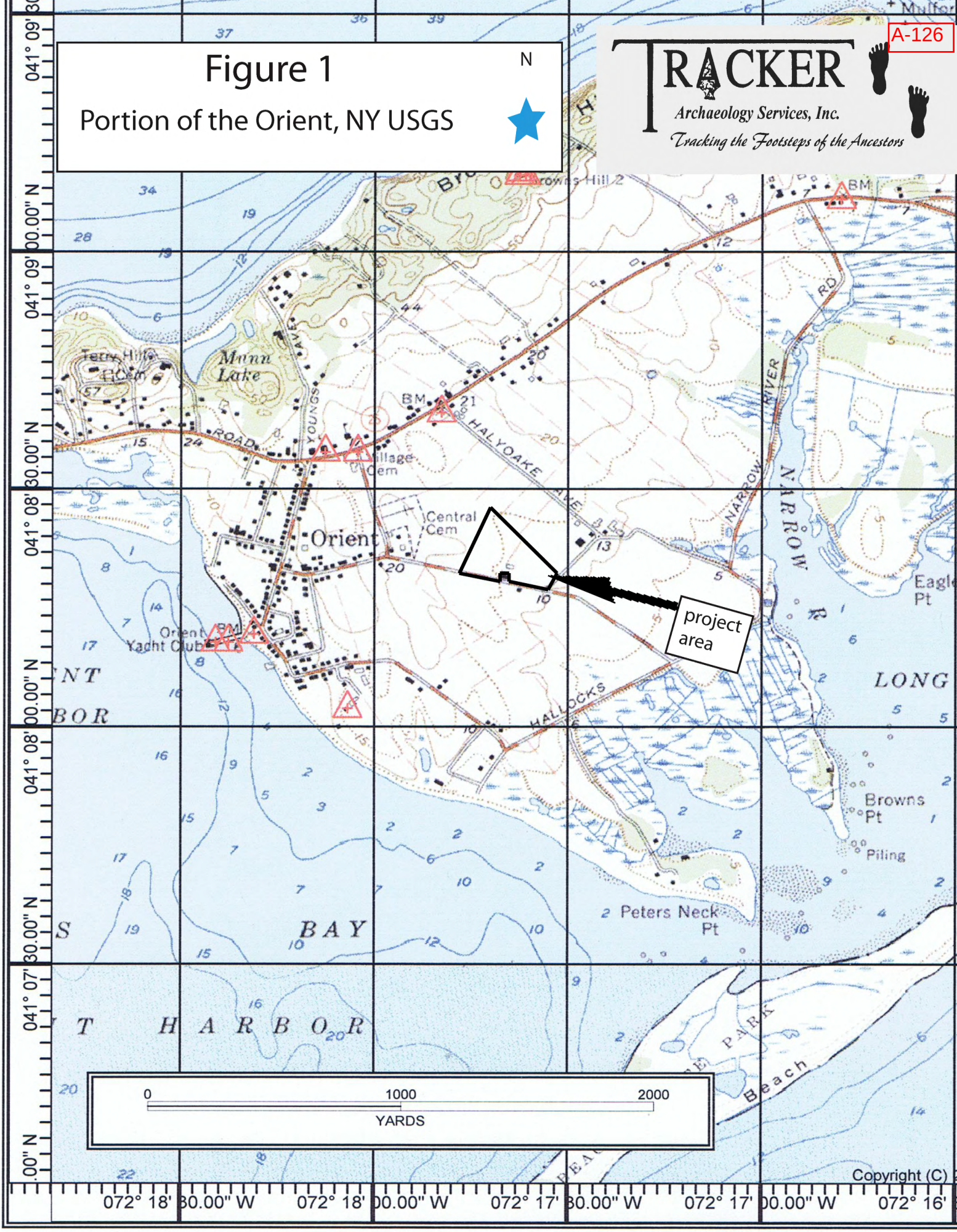

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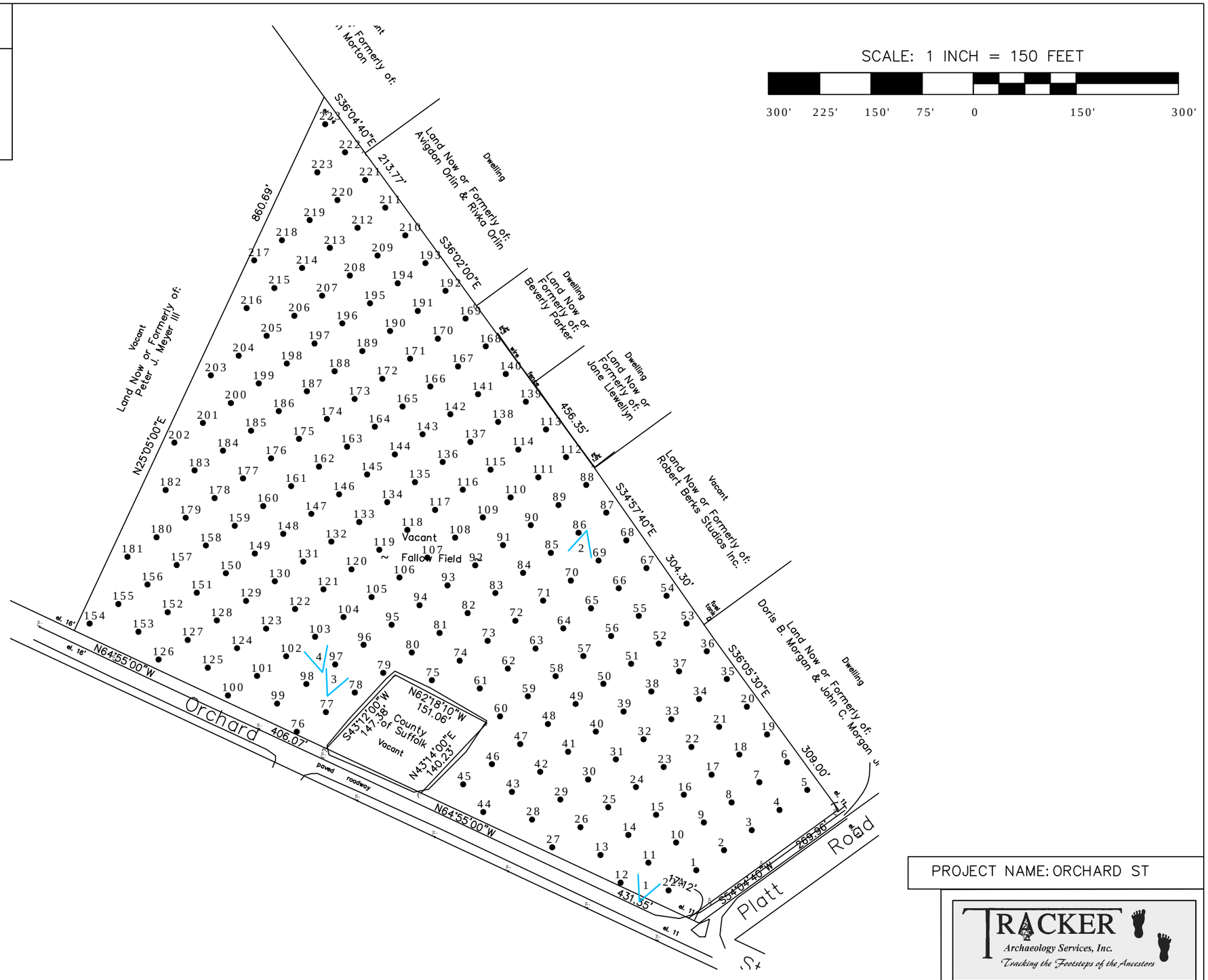
FIGURE 2: LOCATION OF SHOVEL TESTS

V PHOTO ANGLE

● NEGATIVE SHOVEL TEST



PROJECT NAME: ORCHARD ST

TRACKER
Archaeology Services, Inc.
Tracking the Footsteps of the Ancestors

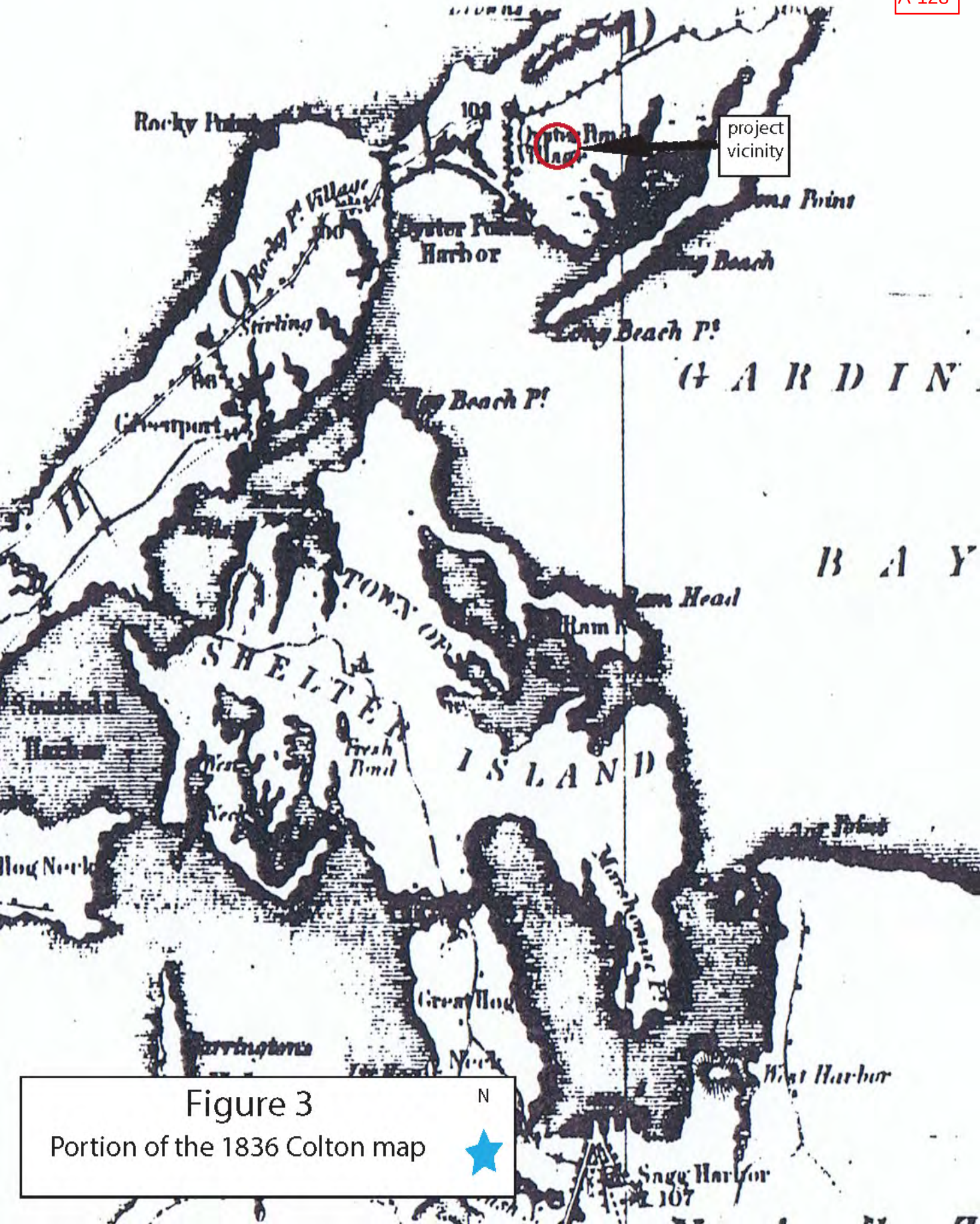


Figure 3

Portion of the 1836 Colton map

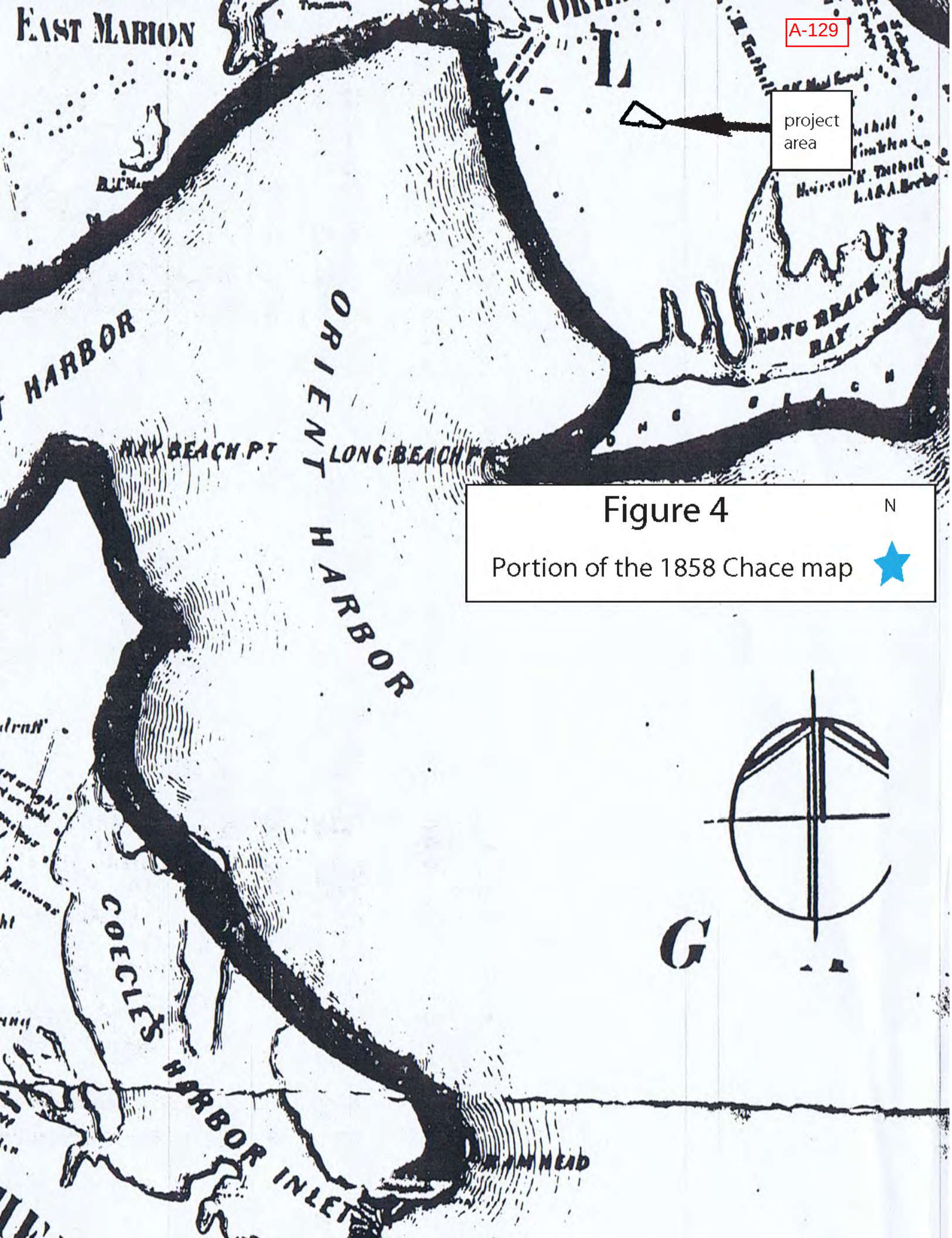


Figure 4

Portion of the 1858 Chace map

Figure 5

Portion of the 1873 Beers atlas

N

Figure 6

Portion of the 1896 Hyde atlas

N

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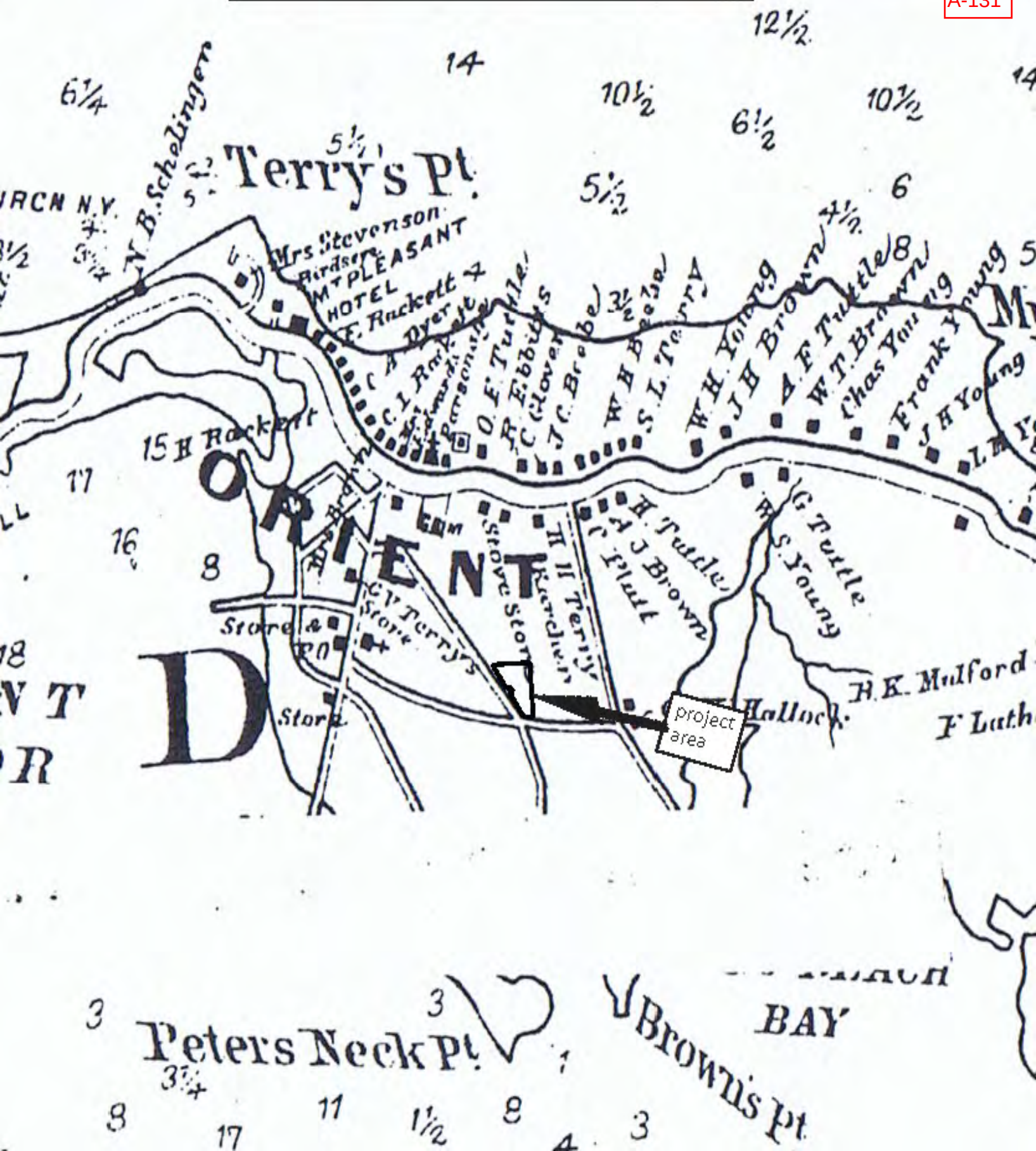

Figure 7

Portion of the 1904 USGS

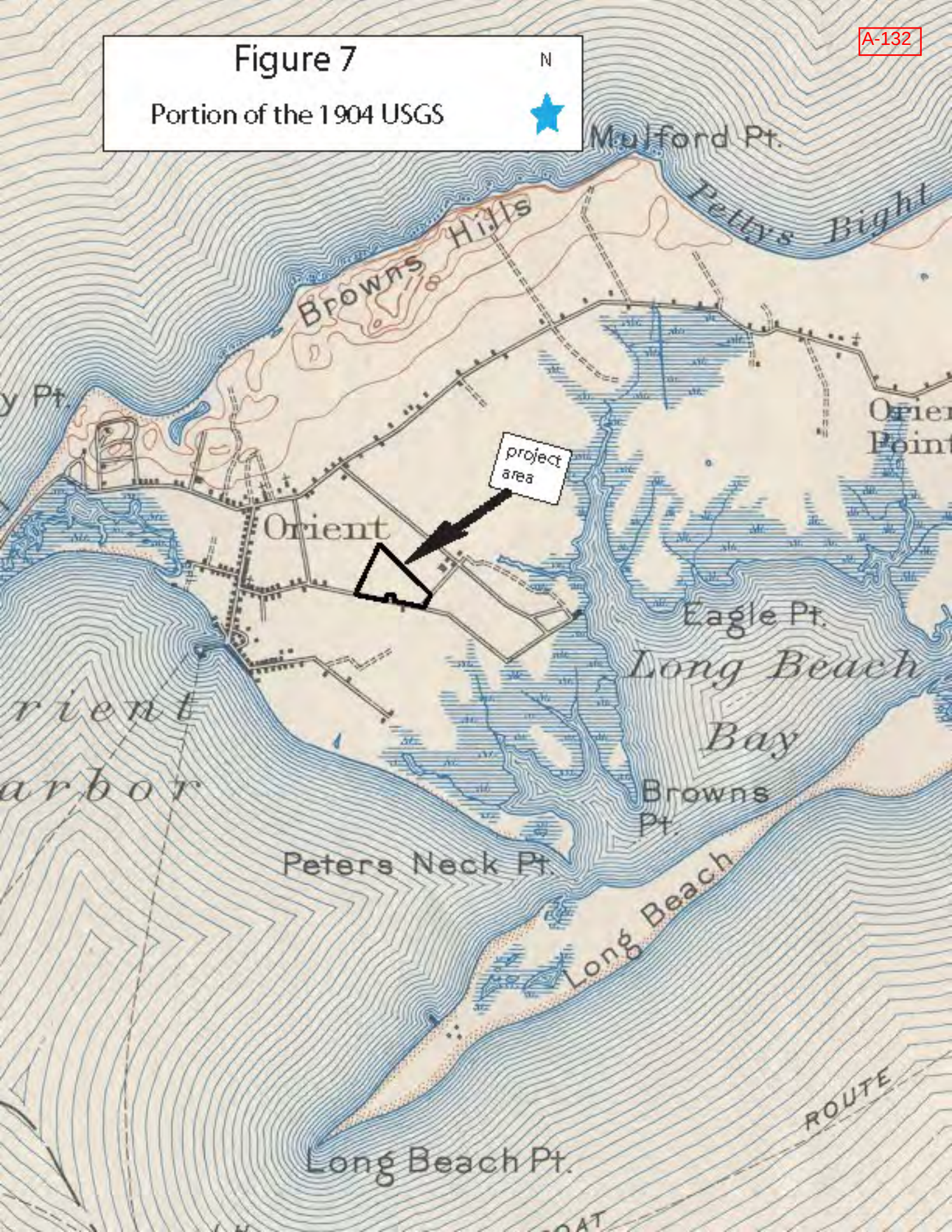

Figure 8

Portion of the County Soil Survey

Photo 1
Looking north from Orchard St.

Photo 2
Looking south from ST 86

Photo 3
Looking north from ST 77

Photo 4
Looking NW from ST 98

APPENDIX 2

Shovel Tests

STP	Lv	Depth(cm)	Texture	Color	Hor.	Comments
1	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	LoSa	10YR4/3	Ap	NCM
	3	25-36	LoSa	10YR5/6	B	NCM
2	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-27	LoSa	10YR4/3	Ap	NCM
	3	27-39	LoSa	10YR5/6	B	NCM
3	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-28	LoSa	10YR4/3	Ap	NCM
	3	28-40	LoSa	10YR5/6	B	NCM
4	1	0-3	rootmatleaves,humus		A/O	NCM
	2	3-22	LoSa	10YR4/3	Ap	NCM
	3	22-35	LoSa	10YR5/6	B	NCM
5	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-26	LoSa	10YR4/3	Ap	NCM
	3	26-37	LoSa	10YR5/6	B	NCM
6	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-29	LoSa	10YR4/3	Ap	NCM
	3	29-39	LoSa	10YR5/6	B	NCM
7	1	0-2	rootmat,leave,humus		A/O	NCM
	2	2-28	LoSa	10YR4/3	Ap	NCM
	3	28-31	LoSa	10YR5/6	B	NCM
8	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-29	LoSa	10YR4/3	Ap	NCM
	3	29-40	LoSa	10YR5/6	B	NCM
9	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-28	LoSa	10YR4/3	Ap	NCM
	3	28-40	LoSa	10YR5/6	B	NCM
10	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-25	LoSa	10YR4/3	Ap	NCM
	3	25-40	LoSa	10YR5/6	B	NCM
11	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-28	LoSa	10YR4/3	Ap	NCM
	3	28-41	LoSa	10YR5/6	B	NCM
12	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-26	LoSa	10YR4/3	Ap	NCM
	3	26-38	LoSa	10YR5/6	B	NCM

13	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-26	LoSa	10YR4/3	Ap	NCM
	3	26-40	LoSa	10YR5/6	B	NCM
14	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-28	LoSa	10YR4/3	Ap	NCM
	3	28-41	LoSa	10YR5/6	B	NCM
15	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-24	LoSa	10YR4/3	Ap	NCM
	3	24-35	LoSa	10YR5/6	B	NCM
16	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-24	LoSa	10YR4/3	Ap	NCM
	3	24-35	LoSa	10YR5/6	B	NCM
17	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-20	LoSa	10YR4/3	Ap	NCM
	3	20-35	LoSa	10YR5/6	B	NCM
18	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-30	LoSa	10YR4/3	Ap	NCM
	3	30-40	LoSa	10YR5/6	B	NCM
19	1	0-2	rootmatleaves,humus		A/O	NCM
	2	2-27	LoSa	10YR4/3	Ap	NCM
	3	27-37	LoSa	10YR5/6	B	NCM
20	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-23	LoSa	10YR4/3	Ap	NCM
	3	23-37	LoSa	10YR5/6	B	NCM
21	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-22	LoSa	10YR4/3	Ap	NCM
	3	22-39	LoSa	10YR5/6	B	NCM
22	1	0-2	rootmat,leave,humus		A/O	NCM
	2	2-26	LoSa	10YR4/3	Ap	NCM
	3	26-39	LoSa	10YR5/6	B	NCM
23	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-28	LoSa	10YR4/3	Ap	NCM
	3	28-40	LoSa	10YR5/6	B	NCM
24	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-19	LoSa	10YR4/3	Ap	NCM
	3	19-40	LoSa	10YR5/6	B	NCM
25	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	LoSa	10YR4/3	Ap	NCM
	3	25-40	LoSa	10YR5/6	B	NCM

26	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-27	LoSa	10YR4/3	Ap	NCM
	3	27-43	LoSa	10YR5/6	B	NCM
27	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-22	LoSa	10YR4/3	Ap	NCM
	3	22-44	LoSa	10YR5/6	B	NCM
28	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-29	LoSa	10YR4/3	Ap	NCM
	3	29-43	LoSa	10YR5/6	B	NCM
29	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-26	LoSa	10YR4/3	Ap	NCM
	3	26-45	LoSa	10YR5/6	B	NCM
30	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-30	LoSa	10YR4/3	Ap	NCM
	3	30-45	LoSa	10YR5/6	B	NCM
31	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-29	LoSa	10YR4/3	Ap	NCM
	3	29-43	LoSa	10YR5/6	B	NCM
32	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-33	LoSa	10YR4/3	Ap	NCM
	3	33-44	LoSa	10YR5/6	B	NCM
33	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-27	LoSa	10YR4/3	Ap	NCM
	3	27-39	LoSa	10YR5/6	B	NCM
34	1	0-5	rootmatleaves,humus		A/O	NCM
	2	5-25	LoSa	10YR4/3	Ap	NCM
	3	25-37	LoSa	10YR5/6	B	NCM
35	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-23	LoSa	10YR4/3	Ap	NCM
	3	23-35	LoSa	10YR5/6	B	NCM
36	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-28	LoSa	10YR4/3	Ap	NCM
	3	28-40	LoSa	10YR5/6	B	NCM
37	1	0-4	rootmat,leave,humus		A/O	NCM
	2	4-32	LoSa	10YR4/3	Ap	NCM
	3	32-45	LoSa	10YR5/6	B	NCM
38	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-25	LoSa	10YR4/3	Ap	NCM
	3	25-45	LoSa	10YR5/6	B	NCM

39	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-27	LoSa	10YR4/3	Ap	NCM
	3	27-40	LoSa	10YR5/6	B	NCM
40	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-30	LoSa	10YR4/3	Ap	NCM
	3	30-40	LoSa	10YR5/6	B	NCM
41	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-24	LoSa	10YR4/3	Ap	NCM
	3	24-37	LoSa	10YR5/6	B	NCM
42	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-26	LoSa	10YR4/3	Ap	NCM
	3	26-39	LoSa	10YR5/6	B	NCM
43	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-26	LoSa	10YR4/3	Ap	NCM
	3	26-42	LoSa	10YR5/6	B	NCM
44	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-27	LoSa	10YR4/3	Ap	NCM
	3	27-40	LoSa	10YR5/6	B	NCM
45	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-31	LoSa	10YR4/3	Ap	NCM
	3	31-45	LoSa	10YR5/6	B	NCM
46	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-28	LoSa	10YR4/3	Ap	NCM
	3	28-45	LoSa	10YR5/6	B	NCM
47	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-26	LoSa	10YR4/3	Ap	NCM
	3	26-40	LoSa	10YR5/6	B	NCM
48	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-25	LoSa	10YR4/3	Ap	NCM
	3	25-40	LoSa	10YR5/6	B	NCM
49	1	0-2	rootmatleaves,humus		A/O	NCM
	2	2-31	LoSa	10YR4/3	Ap	NCM
	3	31-43	LoSa	10YR5/6	B	NCM
50	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-30	LoSa	10YR4/3	Ap	NCM
	3	30-41	LoSa	10YR5/6	B	NCM
51	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-28	LoSa	10YR4/3	Ap	NCM
	3	28-40	LoSa	10YR5/6	B	NCM

52	1	0-4	rootmat,leave,humus		A/O	NCM
	2	4-24	LoSa	10YR4/3	Ap	NCM
	3	24-32	LoSa	10YR5/6	B	NCM
53	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-29	LoSa	10YR4/3	Ap	NCM
	3	29-43	LoSa	10YR5/6	B	NCM
54	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-30	LoSa	10YR4/3	Ap	NCM
	3	30-40	LoSa	10YR5/6	B	NCM
55	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-28	LoSa	10YR4/3	Ap	NCM
	3	28-38	LoSa	10YR5/6	B	NCM
56	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-28	LoSa	10YR4/3	Ap	NCM
	3	28-38	LoSa	10YR5/6	B	NCM
57	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-30	LoSa	10YR4/3	Ap	NCM
	3	30-40	LoSa	10YR5/6	B	NCM
58	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-31	LoSa	10YR4/3	Ap	NCM
	3	31-41	LoSa	10YR5/6	B	NCM
59	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-33	LoSa	10YR4/3	Ap	NCM
	3	33-48	LoSa	10YR5/6	B	NCM
60	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-33	LoSa	10YR4/3	Ap	NCM
	3	33-43	LoSa	10YR5/6	B	NCM
61	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-33	LoSa	10YR4/3	Ap	NCM
	3	33-46	LoSa	10YR5/6	B	NCM
62	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-33	LoSa	10YR4/3	Ap	NCM
	3	33-45	LoSa	10YR5/6	B	NCM
63	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-30	LoSa	10YR4/3	Ap	NCM
	3	30-40	LoSa	10YR5/6	B	NCM
64	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-30	LoSa	10YR4/3	Ap	NCM
	3	30-40	LoSa	10YR5/6	B	NCM

65	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-33	LoSa	10YR4/3	Ap	NCM
	3	33-45	LoSa	10YR5/6	B	NCM
66	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-32	LoSa	10YR4/3	Ap	NCM
	3	32-43	LoSa	10YR5/6	B	NCM
67	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-36	LoSa	10YR4/3	Ap	NCM
	3	36-48	LoSa	10YR5/6	B	NCM
68	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-31	LoSa	10YR4/3	Ap	NCM
	3	31-41	LoSa	10YR4/3	Ap	NCM
69	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-30	LoSa	10YR4/3	Ap	NCM
	3	30-41	LoSa	10YR5/6	B	NCM
70	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-28	LoSa	10YR4/3	Ap	NCM
	3	28-40	LoSa	10YR5/6	B	NCM
71	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-30	LoSa	10YR4/3	Ap	NCM
	3	30-40	LoSa	10YR5/6	B	NCM
72	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-34	LoSa	10YR4/3	Ap	NCM
	3	34-45	LoSa	10YR5/6	B	NCM
73	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-35	LoSa	10YR4/3	Ap	NCM
	3	35-45	LoSa	10YR5/6	B	NCM
74	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-30	LoSa	10YR4/3	Ap	NCM
	3	30-40	LoSa	10YR5/6	B	NCM
75	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-28	LoSa	10YR4/3	Ap	NCM
	3	28-38	LoSa	10YR5/6	B	NCM
76	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-33	LoSa	10YR4/3	Ap	NCM
	3	33-43	LoSa	10YR5/6	B	NCM
77	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-30	LoSa	10YR4/3	Ap	NCM
	3	30-40	LoSa	10YR5/6	B	NCM

78	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	3-28	LoSa	10YR4/3	Ap	NCM
	3	28-38	LoSa	10YR5/6	B	NCM
79	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-29	LoSa	10YR4/3	Ap	NCM
	3	29-39	LoSa	10YR5/6	B	NCM
80	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-33	LoSa	10YR4/3	Ap	NCM
	3	33-43	LoSa	10YR5/6	B	NCM
81	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-30	LoSa	10YR4/3	Ap	NCM
	3	30-41	LoSa	10YR5/6	B	NCM
82	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-34	LoSa	10YR4/3	Ap	NCM
	3	34-44	LoSa	10YR5/6	B	NCM
83	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-30	LoSa	10YR4/3	Ap	NCM
	3	30-40	LoSa	10YR5/6	B	NCM
84	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-36	LoSa	10YR4/3	Ap	NCM
	3	36-46	LoSa	10YR5/6	B	NCM
85	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-30	LoSa	10YR4/3	Ap	NCM
	3	30-40	LoSa	10YR5/6	B	NCM
86	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-30	LoSa	10YR4/3	Ap	NCM
	3	30-40	LoSa	10YR5/6	B	NCM
87	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-33	LoSa	10YR4/3	Ap	NCM
	3	33-43	LoSa	10YR5/6	B	NCM
88	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-32	LoSa	10YR4/3	Ap	NCM
	3	32-45	LoSa	10YR5/6	B	NCM
89	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-32	LoSa	10YR4/3	Ap	NCM
	3	32-42	LoSa	10YR5/6	B	NCM
90	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-32	LoSa	10YR4/3	Ap	NCM
	3	32-42	LoSa	10YR5/6	B	NCM

91	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-34	LoSa	10YR4/3	Ap	NCM
	3	34-45	LoSa	10YR5/6	B	NCM
92	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-34	LoSa	10YR4/3	Ap	NCM
	3	34-45	LoSa	10YR5/6	B	NCM
93	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-30	LoSa	10YR4/3	Ap	NCM
	3	30-43	LoSa	10YR5/6	B	NCM
94	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	2-30	LoSa	10YR4/3	Ap	NCM
	3	30-40	LoSa	10YR5/6	B	NCM
95	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-35	LoSa	10YR4/3	Ap	NCM
	3	35-45	LoSa	10YR5/6	B	NCM
96	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-30	LoSa	10YR4/3	Ap	NCM
	3	30-41	LoSa	10YR5/6	B	NCM
97	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-31	LoSa	10YR4/3	Ap	NCM
	3	31-43	LoSa	10YR5/6	B	NCM
98	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-38	LoSa	10YR4/3	Ap	NCM
	3	38-48	LoSa	10YR5/6	B	NCM
99	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-36	LoSa	10YR4/3	Ap	NCM
	3	36-49	LoSa	10YR5/6	B	NCM
100	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-35	LoSa	10YR4/3	Ap	NCM
	3	35-45	LoSa	10YR5/6	B	NCM
101	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-32	LoSa	10YR4/3	Ap	NCM
	3	32-42	LoSa	10YR5/6	B	NCM
102	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-32	LoSa	10YR4/3	Ap	NCM
	3	32-42	LoSa	10YR5/6	B	NCM
103	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-31	LoSa	10YR4/3	Ap	NCM
	3	31-41	LoSa	10YR5/6	B	NCM

104	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-28	LoSa	10YR4/3	Ap	NCM
	3	28-38	LoSa	10YR5/6	B	NCM
105	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-30	LoSa	10YR4/3	Ap	NCM
	3	30-43	LoSa	10YR5/6	B	NCM
106	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-32	LoSa	10YR4/3	A	NCM
	3	32-43	LoSa	10YR5/6	B	NCM
107	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-37	LoSa	10YR4/3	Ap	NCM
	3	37-47	LoSa	10YR5/6	B	NCM
108	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-28	LoSa	10YR4/3	Ap	NCM
	3	28-38	LoSa	10YR5/6	B	NCM
109	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-28	LoSa	10YR4/3	Ap	NCM
	3	28-38	LoSa	10YR5/6	B	NCM
110	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-34	LoSa	10YR4/3	Ap	NCM
	3	34-44	LoSa	10YR5/6	B	NCM
111	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-26	LoSa	10YR4/3	Ap	NCM
	3	26-37	LoSa	10YR5/6	B	NCM
112	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-30	LoSa	10YR4/3	Ap	NCM
	3	30-41	LoSa	10YR5/6	B	NCM
113	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-31	LoSa	10YR4/3	Ap	NCM
	3	31-41	LoSa	10YR5/6	B	NCM
114	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-36	LoSa	10YR4/3	Ap	NCM
	3	36-48	LoSa	10YR5/6	B	NCM
115	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-30	LoSa	10YR4/3	Ap	NCM
	3	30-40	LoSa	10YR5/6	B	NCM
116	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-30	LoSa	10YR4/3	Ap	NCM
	3	30-40	LoSa	10YR5/6	B	NCM

117	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-34	LoSa	10YR4/3	Ap	NCM
	3	34-44	LoSa	10YR5/6	B	NCM
118	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-34	LoSa	10YR4/3	Ap	NCM
	3	34-44	LoSa	10YR5/6	B	NCM
119	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-31	LoSa	10YR4/3	Ap	NCM
	3	31-41	LoSa	10YR5/6	B	NCM
120	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-30	LoSa	10YR4/3	Ap	NCM
	3	30-40	LoSa	10YR5/6	B	NCM
121	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-34	LoSa	10YR4/3	Ap	NCM
	3	34-44	LoSa	10YR5/6	B	NCM
122	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-34	LoSa	10YR4/3	Ap	NCM
	3	34-44	LoSa	10YR5/6	B	NCM
123	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-32	LoSa	10YR4/3	Ap	NCM
	3	34-42	LoSa	10YR5/6	B	NCM
124	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-31	LoSa	10YR4/3	Ap	NCM
	3	31-41	LoSa	10YR5/6	B	NCM
125	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-30	LoSa	10YR4/3	Ap	NCM
	3	30-40	LoSa	10YR5/6	B	NCM
126	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-32	LoSa	10YR4/3	Ap	NCM
	3	32-42	LoSa	10YR5/6	B	NCM
127	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-34	LoSa	10YR4/3	Ap	NCM
	3	34-44	LoSa	10YR5/6	B	NCM
128	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-33	LoSa	10YR4/3	Ap	NCM
	3	33-43	LoSa	10YR5/6	B	NCM
129	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-33	LoSa	10YR4/3	Ap	NCM
	3	33-43	LoSa	10YR5/6	B	NCM

130	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-34	LoSa	10YR4/3	Ap	NCM
	3	34-44	LoSa	10YR5/6	B	NCM
131	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-34	LoSa	10YR4/3	Ap	NCM
	3	34-44	LoSa	10YR5/6	B	NCM
132	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-34	LoSa	10YR4/3	Ap	NCM
	3	34-44	LoSa	10YR5/6	B	NCM
133	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-30	LoSa	10YR4/3	Ap	NCM
	3	30-40	LoSa	10YR5/6	B	NCM
134	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-26	LoSa	10YR4/3	Ap	NCM
	3	26-36	LoSa	10YR5/6	B	NCM
135	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-26	LoSa	10YR4/3	Ap	NCM
	3	26-36	LoSa	10YR5/6	B	NCM
136	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-26	LoSa	10YR4/3	Ap	NCM
	3	26-36	LoSa	10YR5/6	B	NCM
137	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-35	LoSa	10YR4/3	Ap	NCM
	3	35-45	LoSa	10YR5/6	B	NCM
138	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-34	LoSa	10YR4/3	Ap	NCM
	3	34-46	LoSa	10YR5/6	B	NCM
139	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-34	LoSa	10YR4/3	Ap	NCM
	3	34-45	LoSa	10YR5/6	B	NCM
140	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-34	LoSa	10YR4/3	Ap	NCM
	3	34-45	LoSa	10YR5/6	B	NCM
141	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-27	LoSa	10YR4/3	Ap	NCM
	3	27-39	LoSa	10YR5/6	B	NCM
142	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-28	LoSa	10YR4/3	Ap	NCM
	3	28-38	LoSa	10YR5/6	B	NCM

143	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-29	LoSa	10YR4/3	Ap	NCM
	3	29-52	LoSa	10YR5/6	B	NCM
144	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-33	LoSa	10YR4/3	Ap	NCM
	3	33-43	LoSa	10YR5/6	B	NCM
145	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-30	LoSa	10YR4/3	Ap	NCM
	3	30-40	LoSa	10YR5/6	B	NCM
146	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-28	LoSa	10YR4/3	Ap	NCM
	3	28-30	LoSa	10YR4/3	A	NCM
147	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-27	LoSa	10YR4/3	Ap	NCM
	3	27-39	LoSa	10YR5/6	B	NCM
148	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-27	LoSa	10YR4/3	Ap	NCM
	3	27-39	LoSa	10YR5/6	B	NCM
149	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-35	LoSa	10YR4/3	Ap	NCM
	3	35-40	LoSa	10YR5/6	B	NCM
150	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-34	LoSa	10YR4/3	Ap	NCM
	3	34-39	LoSa	10YR5/6	B	NCM
151	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-27	LoSa	10YR4/3	Ap	NCM
	3	27-39	LoSa	10YR5/6	B	NCM
152	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-27	LoSa	10YR4/3	Ap	NCM
	3	27-39	LoSa	10YR5/6	B	NCM
153	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-27	LoSa	10YR4/3	Ap	NCM
	3	27-39	LoSa	10YR5/6	B	NCM
154	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-26	LoSa	10YR4/3	Ap	NCM
	3	26-28	LoSa	10YR5/6	B	NCM
155	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-34	LoSa	10YR4/3	Ap	NCM
	3	34-45	LoSa	10YR5/6	B	NCM

156	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-31	LoSa	10YR4/3	Ap	NCM
	3	31-45	LoSa	10YR5/6	B	NCM
157	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-26	LoSa	10YR4/3	Ap	NCM
	3	26-38	LoSa	10YR5/6	B	NCM
158	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-34	LoSa	10YR4/3	Ap	NCM
	3	34-45	LoSa	10YR5/6	B	NCM
159	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-36	LoSa	10YR4/3	Ap	NCM
	3	26-48	LoSa	10YR5/6	B	NCM
160	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-35	LoSa	10YR4/3	Ap	NCM
	3	25-45	LoSa	10YR5/6	B	NCM
161	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-32	LoSa	10YR4/3	Ap	NCM
	3	32-42	LoSa	10YR5/6	B	NCM
162	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-33	LoSa	10YR4/3	Ap	NCM
	3	33-43	LoSa	10YR5/6	B	NCM
163	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-34	LoSa	10YR4/3	Ap	NCM
	3	33-44	LoSa	10YR5/6	B	NCM
164	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-36	LoSa	10YR4/3	A	NCM
	3	36-46	LoSa	10YR5/6	B	NCM
165	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-32	LoSa	10YR4/3	Ap	NCM
	3	32-45	LoSa	10YR5/6	B	NCM
166	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-32	LoSa	10YR4/3	Ap	NCM
	3	32-45	LoSa	10YR5/6	B	NCM
167	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-30	LoSa	10YR4/3	Ap	NCM
	3	30-45	LoSa	10YR5/6	B	NCM
168	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-30	LoSa	10YR4/3	Ap	NCM
	3	30-41	LoSa	10YR5/6	B	NCM

169	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-32	LoSa	10YR4/3	Ap	NCM
	3	32-42	LoSa	10YR5/6	B	NCM
170	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-32	LoSa	10YR4/3	Ap	NCM
	3	32-42	LoSa	10YR5/6	B	NCM
171	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-32	LoSa	10YR4/3	Ap	NCM
	3	32-42	LoSa	10YR5/6	B	NCM
172	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-28	LoSa	10YR4/3	Ap	NCM
	3	28-40	LoSa	10YR5/6	B	NCM
173	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-32	LoSa	10YR4/3	Ap	NCM
	3	32-42	LoSa	10YR5/6	B	NCM
174	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-32	LoSa	10YR4/3	Ap	NCM
	3	32-42	LoSa	10YR5/6	B	NCM
175	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-34	LoSa	10YR4/3	Ap	NCM
	3	34-44	LoSa	10YR5/6	B	NCM
176	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-28	LoSa	10YR4/3	Ap	NCM
	3	28-40	LoSa	10YR5/6	B	NCM
177	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-34	LoSa	10YR4/3	Ap	NCM
	3	34-45	LoSa	10YR5/6	B	NCM
178	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-32	LoSa	10YR4/3	Ap	NCM
	3	32-42	LoSa	10YR5/6	B	NCM
179	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-32	LoSa	10YR4/3	Ap	NCM
	3	32-45	LoSa	10YR5/6	B	NCM
180	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-35	LoSa	10YR4/3	Ap	NCM
	3	35-47	LoSa	10YR5/6	B	NCM
181	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-36	LoSa	10YR4/3	Ap	NCM
	3	36-48	LoSa	10YR5/6	B	NCM

182	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-32	LoSa	10YR4/3	Ap	NCM
	3	32-45	LoSa	10YR5/6	B	NCM
183	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-36	LoSa	10YR4/3	Ap	NCM
	3	36-47	LoSa	10YR5/6	B	NCM
184	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-35	LoSa	10YR4/3	Ap	NCM
	3	35-45	LoSa	10YR5/6	B	NCM
185	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-35	LoSa	10YR4/3	Ap	NCM
	3	35-45	LoSa	10YR5/6	B	NCM
186	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-28	LoSa	10YR4/3	Ap	NCM
	3	28-39	LoSa	10YR5/6	B	NCM
187	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-27	LoSa	10YR4/3	Ap	NCM
	3	27-37	LoSa	10YR5/6	B	NCM
188	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-28	LoSa	10YR4/3	Ap	NCM
	3	28-38	LoSa	10YR5/6	B	NCM
189	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-26	LoSa	10YR4/3	Ap	NCM
	3	26-38	LoSa	10YR5/6	B	NCM
190	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-29	LoSa	10YR4/3	Ap	NCM
	3	29-39	LoSa	10YR5/6	B	NCM
191	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-26	LoSa	10YR4/3	Ap	NCM
	3	26-36	LoSa	10YR5/6	B	NCM
192	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-26	LoSa	10YR4/3	Ap	NCM
	3	26-38	LoSa	10YR5/6	B	NCM
193	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-34	LoSa	10YR4/3	Ap	NCM
	3	34-45	LoSa	10YR5/6	B	NCM
194	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-35	LoSa	10YR4/3	Ap	NCM
	3	35-57	LoSa	10YR5/6	B	NCM
195	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-36	LoSa	10YR4/3	Ap	NCM

	3	36-46	LoSa	10YR5/6	B	NCM
196	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-36	LoSa	10YR4/3	Ap	NCM
	3	36-48	LoSa	10YR5/6	B	NCM
197	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-28	LoSa	10YR4/3	Ap	NCM
	3	28-38	LoSa	10YR5/6	B	NCM
198	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-34	LoSa	10YR4/3	Ap	NCM
	3	34-45	LoSa	10YR5/6	B	NCM
199	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-32	LoSa	10YR4/3	Ap	NCM
	3	32-45	LoSa	10YR5/6	B	NCM
200	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-26	LoSa	10YR4/3	Ap	NCM
	3	26-37	LoSa	10YR5/6	B	NCM
201	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-26	LoSa	10YR4/3	Ap	NCM
	3	26-38	LoSa	10YR5/6	B	NCM
202	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-26	LoSa	10YR4/3	Ap	NCM
	3	26-38	LoSa	10YR5/6	B	NCM
203	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-26	LoSa	10YR4/3	Ap	NCM
	3	26-38	LoSa	10YR5/6	B	NCM
204	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-26	LoSa	10YR4/3	Ap	NCM
	3	26-36	LoSa	10YR5/6	B	NCM
205	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-27	LoSa	10YR4/3	Ap	NCM
	3	27-37	LoSa	10YR5/6	B	NCM
206	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-34	LoSa	10YR4/3	Ap	NCM
	3	34-44	LoSa	10YR5/6	B	NCM
207	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-30	LoSa	10YR4/3	Ap	NCM
	3	30-40	LoSa	10YR5/6	B	NCM

208	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-28	LoSa	10YR4/3	Ap	NCM
	3	28-38	LoSa	10YR5/6	B	NCM
209	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-28	LoSa	10YR4/3	Ap	NCM
	3	28-38	LoSa	10YR5/6	B	NCM
210	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-29	LoSa	10YR4/3	Ap	NCM
	3	29-40	LoSa	10YR5/6	B	NCM
211	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-34	LoSa	10YR4/3	Ap	NCM
	3	34-44	LoSa	10YR5/6	B	NCM
212	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-28	LoSa	10YR4/3	Ap	NCM
	3	28-38	LoSa	10YR5/6	B	NCM
213	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-33	LoSa	10YR4/3	Ap	NCM
	3	33-43	LoSa	10YR5/6	B	NCM
214	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-31	LoSa	10YR4/3	Ap	NCM
	3	31-41	LoSa	10YR5/6	B	NCM
215	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-31	LoSa	10YR4/3	Ap	NCM
	3	31-41	LoSa	10YR5/6	B	NCM
216	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-30	LoSa	10YR4/3	Ap	NCM
	3	30-41	LoSa	10YR5/6	B	NCM
217	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-36	LoSa	10YR4/3	Ap	NCM
	3	36-46	LoSa	10YR5/6	B	NCM
218	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-27	LoSa	10YR4/3	Ap	NCM
	3	27-37	LoSa	10YR5/6	B	NCM
219	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-30	LoSa	10YR4/3	Ap	NCM
	3	30-40	LoSa	10YR5/6	B	NCM
220	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-30	LoSa	10YR4/3	Ap	NCM
	3	30-40	LoSa	10YR5/6	B	NCM

221	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-31	LoSa	10YR4/3	Ap	NCM
	3	31-41	LoSa	10YR5/6	B	NCM
222	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-28	LoSa	10YR4/3	Ap	NCM
	3	28-38	LoSa	10YR5/6	B	NCM
223	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-28	LoSa	10YR4/3	Ap	NCM
	3	28-40	LoSa	10YR5/6	B	NCM
224	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-32	LoSa	10YR4/3	Ap	NCM
	3	32-43	LoSa	10YR5/6	B	NCM

APPENDIX 3

Table of Documented Structures

LOCATION	MAP	ON OR ADJACENT TO PROJECT AREA		ECO-NICHE	COMMENT
NW corner of the Orchard Street and Platt Road intersection	1836	no	na	agricultural	Fig. 3
same as above	1858	no	na	agricultural	Fig. 4
same as above	1873	adjacent	W.J. Young	agricultural	Fig. 5
same as above	1896	no	na	agricultural	Fig. 6
same as above	1904	adjacent	na	rural	Fig. 7