APPENDIX R

CULTURAL RESOURCES-RELATED DOCUMENTS

APPENDIX R-1

PHASE IB ARCHAEOLOGICAL ADDENDUM SURVEY

Tracker Archaeological Services

May 2020

NPV

Phase IB Archaeological Addendum Survey for the proposed Indian Hills Additional Development at the Indian Hills Golf Club
Fort Salonga, Town of Huntington, Suffolk County, New York

May 2020

Prepared for:
The Northwind Group LLC, Hauppauge, New York
Nelson, Pope & Voorhis, LLC., Melville, New York

Alfred G. Cammisa, M.A.
with Alexander Padilla (CAD)

1018

MANAGEMENT SUMMARY

PR#:
17PR00525

Involved agencies:
Town of Huntington
NYDEC
NYDOT

Phase:
Phase IB

Location:
Fort Salonga
Town of Huntington
Suffolk County

Survey Area:
Length: up to about 3800 feet (1158m) north-south
Width: up to about 1700 ft (518) east-west
Acres Surveyed: about 34 acres (13.7h) inclusive with sand traps, tee mounds, fairways, cart roads, & steep slopes

USGS:
Northport, NY

Survey overview:
ST no. & interval: 261 at 50 ft (15m)
Size of freshly plowed area: na
Surface survey transect interval: na

Results:
2 small prehistoric sites (artifact clusters) labeled as Indian Hills Site B-extended and Indian Hills Site D
No historic remains

Structures
No. Of buildings/structures/cemeteries in project area: 2 residential, numerous golfing course related features (tees, fairways, sand traps, paved walkways)
No. Of buildings/structures/cemeteries/archaeological sites adjacent to project area: 2 prehistoric -Indian Hills Sites B & C
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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Alexander Padilla, B.A. (CAD)

Date of Report:
Report completed May, 2020

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INTRODUCTION

Between March 15 and 26, 2020, TRACKER Archaeology, Inc. conducted a second Phase IB addendum archaeological survey for the Indian Hills Development at the Indian Hills Golf Course Fort Salonga, Town of Huntington, Suffolk County, New York.

The purpose of the survey was to provide physical evidence for the presence or absence of archaeological sites on the project area. In 2015 (Cammisa with Padilla), a Phase IA and IB was conducted on about 15 acres in 3 separate areas on the golf course. A prehistoric site was encountered at 1 area (Site A) in the northwest corner of the 2015 project area. Phase II intensive testing was then conducted. No further work had then been recommended. At that time, 240 shovel tests were conducted at 50 foot intervals. An additional 84 shovel tests were excavated at 25 and 12.5 foot intervals and 1 meter intervals.

In 2018, Tracker Archaeology conducted an Addendum Phase IB for additional proposed development on the golf club. At that time, 2 addition new sites, Sites B & C, were encountered as well as an extension to site A (initially encountered in 2015), plus isolated finds. A Phase II was subsequently conducted at this time at the Site A extension, and Sites B and C. Artifacts encountered during the Addendum Phase I & II included Site A ext.: 42 flakes & 1 biface; Site B: 53 flakes, 1 chert Late Archaic point, 3 cores (1 of which was also a biface, 3 more bifaces, and a Utilized Flake, and 1 FCR; biface, bifaces; Site C: 84 flakes, 2 bifaces & 1 drill. All 3 sites were not NRE sites. (Cammisa with Padilla, 2018 & 2019).

The current project area consists of additional proposed envelopment on about 34 acres in including greens, tees, & fairways, ponds, sand traps, steep slopes, paved walking paths and parking areas, etc. A portion of the project area also lies adjacent to the previously recorded Site B prehistoric site (see Cammisa 2019).

The work was performed by TRACKER Archaeology, Inc. of Monroe, New York. Field work was conducted by the P.I., Alfred G. Cammisa, M.A., field director, Alexander Padilla, B.A., crew chief, Alfred T. Cammisa, and field technician, Daniel Cartwright. Report preparation by Alfred G. Cammisa with Alexander Padilla, B.A. (CAD).

The work was performed for The Northwind Group LLC, Hauppauge, New York and Nelson, Pope & Voorhis, LLC., Melville, New York.

FIELD METHODS

Walkover

Any exposed ground surfaces were walked over at about 3 to 5 meter intervals to observe for artifacts. Covered ground terrain was reconnoitered at approximately 15 meter intervals to observe for any above ground features, such as berms, depressions, or rock configurations which might be evidence for historic or prehistoric features. Photographs were taken of the property.

Shovel Testing

Shovel tests (ST's) were excavated at approximately 15 meter intervals across the project area. Each ST measured about 30 to 40 cm. in diameter and was dug into the underlying subsoil (B horizon) 10 to 20 cm. when possible. Soils were screened through 1/4 inch wire mesh and observed for artifacts. Shovel tests were flagged in the field. Soil stratigraphy was recorded according to texture and color. Soil color was matched against the Munsell color chart for soils. Notes were transcribed in a notebook.

FIELD RESULTS

Field testing of the project area included the excavation of 261 shovel tests. Vegetation consisted mostly a mowed golf lawn with some wooded areas. Some steep slopes were partially shovel tested, including areas closer to suspected burial areas (Green 6) and Site B (see Cammisa 2018).

A grouping of prehistoric artifacts was encountered in 2 areas:
-Site B (2020 extension): 5 positive ST's nearby & adjacent to the previously recorded Site B. The fairway partially separating the 2018 and 2020 site parameters was not shovel tested due to golf club instructions (see Figures 1 & 2).
-Site D: a new prehistoric site consisting of a scattering of flakes along Fresh Pond Road. The location of the artifacts along the road could be due to a past Indian trail up to Fresh Pond and the coast. This kind of lateral spreading along such a path has been shown in the past along documented trails (Cammisa et al 2000).
(Limited time and crew due to golf course opening dates and coronavirus epidemic prevented radial testing of potential isolates and will be dealt with at a Phase II).

Stratigraphy
General stratigraphy across the project area consisted of the following:

-A/O horizon - 2 to 5 cm. thick of root mat, leaf litter and humus.
-A horizon - 11 to 25 cm. thick of 10YR4/3 brown loamy sand
-B horizon - 10 to 20 cm. dug into of 10YR5/6 yellow brown loamy sand

Artifacts

SITE	ST	COUNT	TYPE
D	7	1	Tertiary flake
D	18	2	Tertiary & secondary flakes
D	22	2	Tertiary & secondary flakes
D	39	1	Secondary flake
D	42	1	Tertiary flake
D	45	4	3 secondary flakes, tertiary flake
D	46	2	Primary flake, possible Biface
D	57	5	Tertiary
B (extension)	120	1	Tertiary flake
B (extension)	125	1	Block shatter
B (extension)	144	1	Primary flake
B (extension)	148	1	Tertiary flake
B (extension)	149	1	Secondary flake

Note: Numerous affidavits were recently (2019) filed with NYSHPO, from neighbors of the Indian Hills Golf Club, concerning native American human remains and and also artifacts, which were encountered in the 20th century on the Indian Hills Golf Course. Locations of the human remains included eroded bluffs of the golf club overlooking the L.I. Sound, at Green 6, possibly Green 5, and possibly Green 4 (which overlooks a pond). Also, arrow heads were reported, collected at or near tee 4.

CONCLUSIONS AND RECOMMENDATIONS

The field testing included the initial excavation of 261 ST's. No historic sites were encountered. However, two small prehistoric sites were identified at 2 separate locations, labeled as Indian Hills Site B (2020 extension), & Site D. A portion of Site B was previously recorded in 2018 and the current finds consist of an extended site parameter (see Cammisa with Padilla 2018).

The purpose of the Phase I archaeological survey is to establish the presence or absence of archaeological sites. If the site is to be impacted by proposed construction or other activities, Phase II intensive testing of any archaeological site is them specified by the regulations of the New York State Historic Preservation Office and the National Advisory Council on Historic preservation. Phase II investigation methods should interpret the archaeological sites and determine if it is eligible for the nomination to State or National Registers of Historic Places.

If the prehistoric Indian Hills Site(s) B (2020 extension) and Site D can not be avoided during development then we would recommend Phase II intensive testing on the prehistoric sites prior to proposed impacts due to development related ground breaking or construction. Impacts could include proposed buildings, structures, grading, tree plantings, etc. Phase II investigations would interpret the site and supply information needed to make this determination and would include:

1) Site integrity, including the depth and extent of undisturbed soil horizons and the presence or absence of cultural features, and the degree of natural and/or human disturbances to those features.
2) Cultural components/affiliations and time range present.
3) Vertical and horizontal distribution of archaeological remains (spatial boundaries and stratigraphic levels).
4) Site interpretation, including any uniqueness/significance, in a local or regional context, must be demonstrated.

In addition, since numerous affidavits were reported to NYSHPO about native American human remains coming from the bluff tops of Indian Hills Country Club, a Burial Survey is recommended for any bluffs, high hills, including Green 6 on the current project area, now or in the future.

BIBLIOGRAPHY

Cammisa, Alfred G. with Alexander Padilla (CAD)

2015 *Phase I and Phase II Archaeological Investigations at the Indian Hills Prehistoric Site for the proposed Improvements to the Indian Hills Golf Course Northport, Township of Huntington, Suffolk County, New York.* Tracker Archaeology #835.

2018 *Phase IB Archaeological Addendum Survey for the proposed Indian Hills Development At the Indian Hills Golf Course Northport, Town of Huntington, Suffolk County, New York.* Tracker Archaeology #954.

2019 *Phase I Addendum Archaeological Investigations at Indian Hills Prehistoric Sites A, B, & C for proposed Additional Improvements at the Indian Hills Golf Course Fort Salonga (Northport), Township of Huntington, Suffolk County, New York.* Tracker Archaeology #968.

2000 Cammisa, Alfre G., William Goldsmith, Felicia Cammisa
*The Elwood Farm Site An Interior Prehistoric Site on Long Island, Phase III Data Recovery Excavations Dix Hills, Township of Huntington Suffolk County, New York.*Tracker Archaeology 76.

*Unit*ed States Geologic Survey

1967 Northport*, New York* quadrangles, 7.5 minute series (rev.1980).

APPENDIX 1

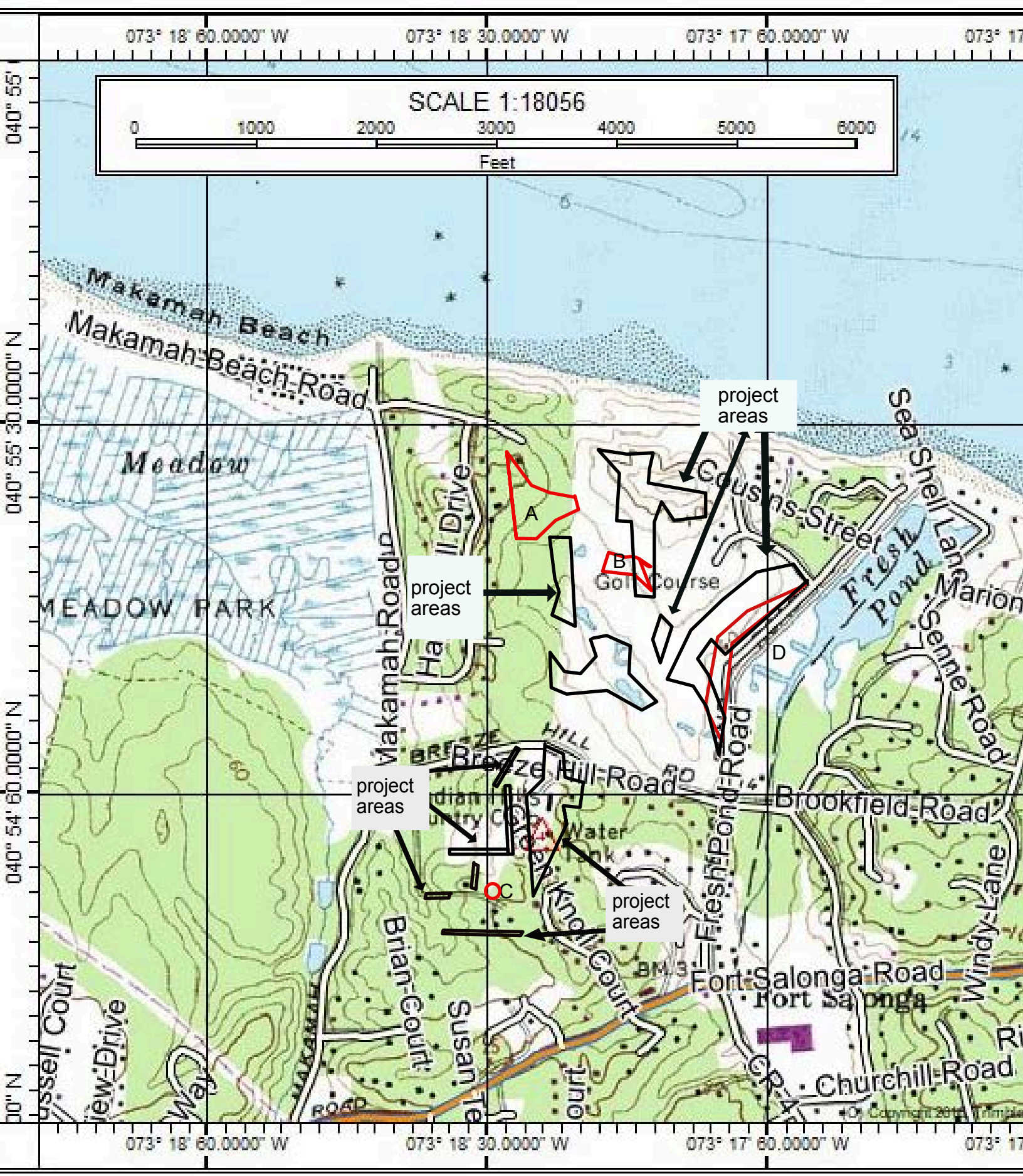


Figure 1

N

Northport, NY USGS

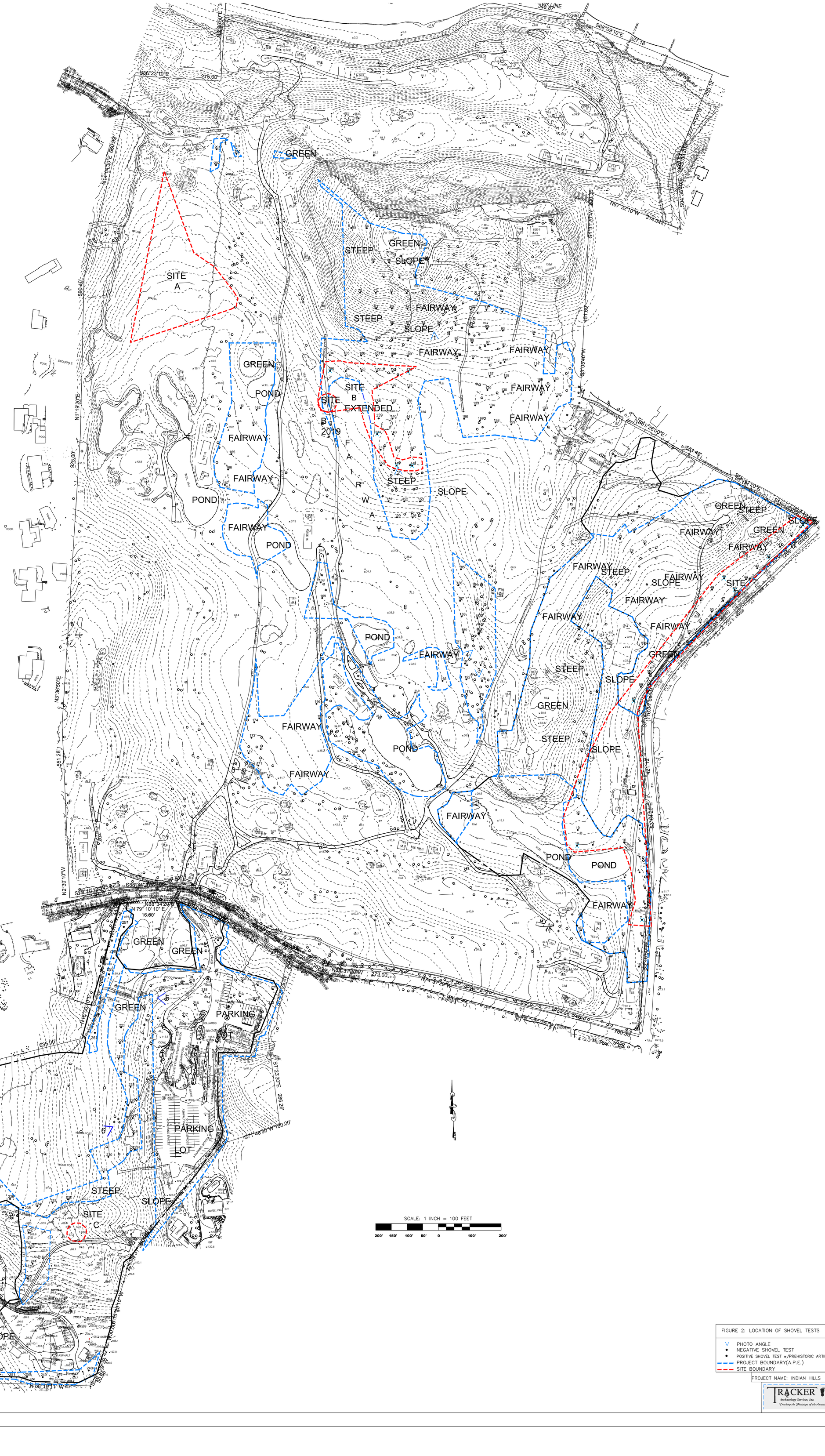
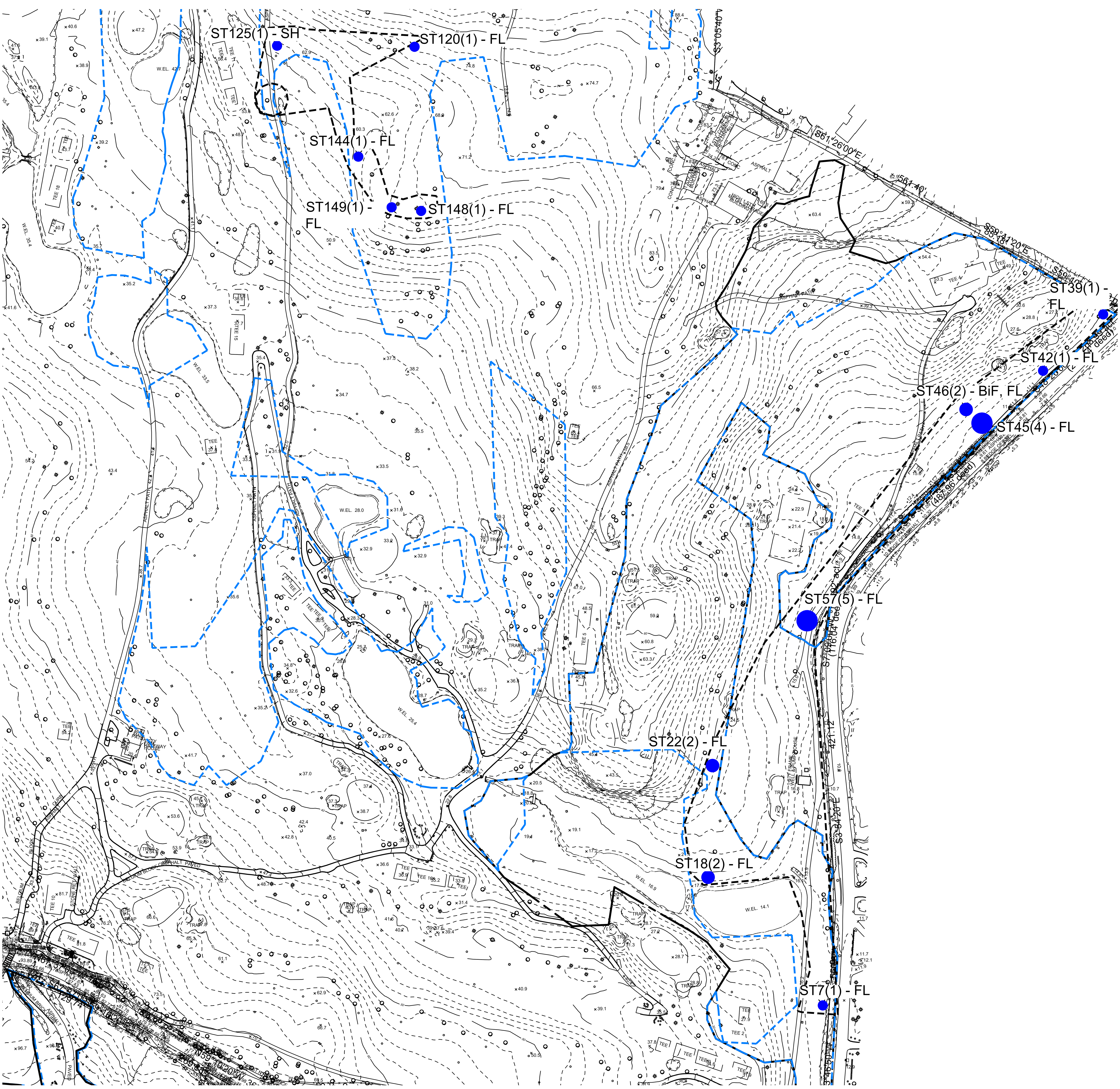


FIGURE 2: LOCATION OF SHOVEL TESTS

- PHOTO ANGLE
- NEGATIVE SHOVEL TEST
- POSITIVE SHOVEL TEST w/PREHISTORIC ARTIFACTS
- PROJECT BOUNDARY(A.P.E.)
- SITE BOUNDARY

PROJECT NAME: INDIAN HILLS

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



SCALE: 1 INCH = 100 FEET

200' 150' 100' 50' 0 100' 200'

FIGURE 3: ARTIFACT DENSITY & DISTRIBUTION

● 1 ● 2-3 ● 4-5

PROJECT BOUNDARY(A.P.E.)

SITE BOUNDARY

PROJECT NAME: INDIAN HILLS

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

Photo 1
Looking south from near Green 6

Photo 2
Looking south from near ST 150


Photo 3
Looking north towards Greens 5 & 6

Photo 4

Looking towards new construction
& Breeze Hill Road


Photo 5
Looking toward club house lawn


Photo 6
End of drive range

APPENDIX 2

Shovel Tests

STP	LV	DEPTH(CM)	TEXTURE	COLOR	HOR	COMMENT
1	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-21	LoSa	10YR4/3	A	NCM
	3	21-31	LoSa	10YR5/6	B	NCM
2	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-15	LoSa	10YR4/3	A	NCM
	3	15-27	LoSa	10YR5/6	B	NCM
3	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-15	LoSa	10YR4/3	A	NCM
	3	15-25	LoSa	10YR5/6	B	NCM
4	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-18	LoSa	10YR4/3	A	NCM
	3	18-38	LoSa	10YR5/6	B	NCM
5	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-20	LoSa	10YR4/3	A	NCM
	3	20-30	LoSa	10YR5/6	B	NCM
6	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-17	LoSa	10YR4/3	A	NCM
	3	17-27	LoSa	10YR5/6	B	NCM
7	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-15	LoSa	10YR4/3	A	flake
	3	25-25	LoSa	10YR5/6	B	NCM .
8	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-22	LoSa	10YR4/3	A	NCM
	3	22-32	LoSa	10YR5/6	B	NCM
9	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-19	LoSa	10YR4/3	A	NCM
	3	19-30	LoSa	10YR5/6	B	NCM
10	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-23	LoSa	10YR4/3	A	NCM
	3	23-35	LoSa	10YR5/6	B	NCM
11	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-24	LoSa	10YR4/3	A	NCM
	3	24-34	LoSa	10YR5/6	B	NCM
12	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-20	LoSa	10YR4/3	A	NCM
	3	20-30	LoSa	10YR5/6	B	NCM
13	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-20	LoSa	10YR4/3	A	NCM
	3	20-30	LoSa	10YR5/6	B	NCM

14	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-20	LoSa	10YR4/3	A	NCM
	3	20-30	LoSa	10YR5/6	B	NCM
15	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-15	LoSa	10YR4/3	A	NCM
	3	25-25	LoSa	10YR5/6	B	NCM
16	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-23	LoSa	10YR4/3	A	NCM
	3	23-35	LoSa	10YR5/6	B	NCM
17	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-16	LoSa	10YR4/3	A	NCM
	3	15-35	LoSa	10YR5/4	B	NCM
18	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-20	LoSa	10YR4/3	A	flakes
	3	20-30	LoSa	10YR5/6	B	NCM
19	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-23	LoSa	10YR4/3	A	NCM
	3	23-33	LoSa	10YR5/6	B	NCM
20	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-17	LoSa	10YR4/3	A	NCM
	3	17-27	LoSa	10YR5/6	B	NCM
21	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-18	LoSa	10YR4/3	A	NCM
	3	18-30	LoSa	10YR5/6	B	NCM
22	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-18	LoSa	10YR4/3	A	flakes
	3	18-30	LoSa	10YR5/6	B	NCM
23	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-21	LoSa	10YR4/3	A	NCM
	3	21-35	LoSa	10YR5/6	B	NCM
24	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-23	LoSa	10YR4/3	A	NCM
	3	23-35	LoSa	10YR5/6	B	NCM
25	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	LoSa	10YR4/3	A	NCM
	3	25-35	LoSa	10YR5/6	B	NCM
26	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-23	LoSa	10YR4/3	A	NCM
	3	23-35	LoSa	10YR5/6	B	NCM

27	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-26	LoSa	10YR4/3	A	NCM
	3	26-37	LoSa	10YR5/6	B	NCM
28	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-27	LoSa	10YR4/3	A	NCM
	3	27-37	LoSa	10YR5/6	B	NCM
29	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-24	LoSa	10YR4/3	A	NCM
	3	24-34	LoSa	10YR5/6	B	NCM
30	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-25	LoSa	10YR4/3	A	NCM
	3	25-35	LoSa	10YR5/6	B	NCM
31	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-22	LoSa	10YR4/3	A	NCM
	3	22-32	LoSa	10YR5/6	B	NCM
32	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-24	LoSa	10YR4/3	A	NCM
	3	24-37	LoSa	10YR5/6	B	NCM
33	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-27	LoSa	10YR4/3	A	NCM
	3	27-40	LoSa	10YR5/6	B	NCM
34	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-25	LoSa	10YR4/3	A	NCM
	3	25-35	LoSa	10YR5/6	B	NCM
35	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-24	LoSa	10YR4/3	A	NCM
	3	36-36	LoSa	10YR5/6	B	NCM
36	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	LoSa	10YR4/3	A	NCM
	3	25-36	LoSa	10YR5/6	B	NCM
37	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-22	LoSa	10YR4/3	A	NCM
	3	22-32	LoSa	10YR5/6	B	NCM
38	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	LoSa	10YR4/3	A	NCM
	3	25-40	LoSa	10YR5/6	B	NCM
39	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-24	LoSa	10YR4/3	A	flake
	3	24-35	LoSa	10YR5/6	B	NCM

40	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-24	LoSa	10YR4/3	A	NCM
	3	24-34	LoSa	10YR5/6	B	NCM
41	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-26	LoSa	10YR4/3	A	NCM
	3	26-36	LoSa	10YR5/6	B	NCM
42	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-26	LoSa	10YR4/3	A	flake
	3	26-36	LoSa	10YR5/6	B	NCM
43	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-25	LoSa	10YR4/3	A	NCM
	3	25-35	LoSa	10YR5/6	B	NCM
44	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-24	LoSa	10YR4/3	A	NCM
	3	23-34	LoSa	10YR5/6	B	NCM
45	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-26	LoSa	10YR4/3	A	flakes
	3	26-38	LoSa	10YR5/6	B	NCM
46	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-26	LoSa	10YR4/3	A	flakes
	3	26-40	LoSa	10YR5/6	B	NCM
47	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-23	LoSa	10YR4/3	A	NCM
	3	23-34	LoSa	10YR5/6	B	NCM
48	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	LoSa	10YR4/3	A	NCM
	3	25-40	LoSa	10YR5/6	B	NCM
49	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	LoSa	10YR4/3	A	NCM
	3	25-40	LoSa	10YR5/6	B	NCM
50	1	0-35	rootmat,leaves,humus		A/O	NCM
	2	3-26	LoSa	10YR4/3	A	NCM
	3	26-43	LoSa	10YR5/6	B	NCM
51	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-20	LoSa	10YR4/3	A	NCM
	3	20-38	LoSa	10YR5/6	B	NCM
52	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-22	LoSa	10YR4/3	A	NCM
	3	22-36	LoSa	10YR5/6	B	NCM

53	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-23	LoSa	10YR4/3	A	NCM
	3	33-35	LoSa	10YR5/6	B	NCM
54	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-23	LoSa	10YR4/3	A	NCM
	3	23-35	LoSa	10YR5/6	B	NCM
55	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-26	LoSa	10YR4/3	A	NCM
	3	26-36	LoSa	10YR5/6	B	NCM
56	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	LoSa	10YR4/3	A	NCM
	3	25-35	LoSa	10YR5/6	B	NCM
57	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	LoSa	10YR4/3	A	flakes
	3	25-35	LoSa	10YR5/6	B	NCM
58	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-26	LoSa	10YR4/3	A	NCM
	3	26-36	LoSa	10YR5/6	B	NCM
59	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-25	LoSa	10YR4/3	A	NCM
	3	25-38	LoSa	10YR5/6	B	NCM
60	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-23	LoSa	10YR4/3	A	NCM
	3	23-33	LoSa	10YR5/6	B	NCM
61	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-24	LoSa	10YR4/3	A	NCM
	3	24-34	LoSa	10YR5/6	B	NCM
62	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-24	LoSa	10YR4/3	A	NCM
	3	24-34	LoSa	10YR5/6	B	NCM
63	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-19	LoSa	10YR4/3	A	NCM
	3	19-29	LoSa	10YR5/6	B	NCM
64	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	LoSa	10YR4/3	A	NCM
	3	25-35	LoSa	10YR5/6	B	NCM
65	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-27	LoSa, pea gravel	10YR4/3	A	NCM
	3	27-27	LoSa	10YR5/6	B	NCM

66	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	LoSa, pea gravel	10YR4/3	A	NCM
	3	25-35	LoSa	10YR5/6	B	NCM
67	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-26	LoSa, pea gravel	10YR4/3	A	NCM
	3	26-26	LoSa	10YR5/6	B	NCM
68	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-25	LoSa	10YR4/3	A	flake
	3	25-35	LoSa	10YR5/6	B	NCM
69	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-25	LoSa	10YR4/3	A	NCM
	3	25-35	LoSa	10YR5/6	B	NCM
70	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	LoSa	10YR4/3	A	NCM
	3	25-35	LoSa	10YR5/6	B	NCM
71	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	LoSa	10YR4/3	A	NCM
	3	25-35	LoSa	10YR5/6	B	NCM
72	1	0-8	rootmat,leaves,humus		A/O	NCM
	2	8-23	LoSa	10YR4/3	A	NCM
	3	23-34	LoSa	10YR5/6	B	NCM
73	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-24	LoSa	10YR4/3	A	NCM
	3	24-35	LoSa	10YR5/6	B	NCM
74	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-25	LoSa	10YR4/3	A	NCM
	3	25-35	LoSa	10YR5/6	B	NCM
75	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-27	LoSa	10YR4/3	A	NCM
	3	27-37	LoSa	10YR5/6	B	NCM
76	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-23	LoSa	10YR4/3	A	NCM
	3	23-33	LoSa	10YR5/6	B	NCM
77	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-24	LoSa	10YR4/3	A	NCM
	3	24-35	LoSa	10YR5/6	B	NCM
78	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-23	LoSa	10YR4/3	A	NCM
	3	23-33	LoSa	10YR5/6	B	NCM

79	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-24	LoSa	10YR4/3	A	NCM
	3	24-34	LoSa	10YR5/6	B	NCM
80	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	LoSa	10YR4/3	A	NCM
	3	25-36	LoSa	10YR5/6	B	NCM
81	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-25	LoSa	10YR4/3	A	NCM
	3	25-45	LoSa	10YR5/6	B	NCM
82	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-28	LoSa	10YR4/3	A	flake
	3	28-45	LoSa	10YR5/6	B	NCM
83	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-26	LoSa	10YR4/3	A	NCM
	3	26-36	LoSa	10YR5/6	B	NCM
84	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-26	LoSa	10YR4/3	A	NCM
	3	26-39	LoSa	10YR5/6	B	NCM
85	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-23	LoSa	10YR4/3	A	NCM
	3	23-33	LoSa	10YR5/6	B	NCM
86	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-22	LoSa	10YR4/3	A	NCM
	3	22-35	LoSa	10YR5/6	B	NCM
87	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-19	LoSa	10YR4/3	A	NCM
	3	19-32	LoSa	10YR5/6	B	NCM
88	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-25	LoSa	10YR4/3	A	NCM
	3	25-35	LoSa	10YR5/6	B	NCM
89	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-24	LoSa	10YR4/3	A	NCM
	3	24-34	LoSa	10YR5/6	B	NCM
90	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	LoSa	10YR4/3	A	NCM
	3	25-35	LoSa	10YR5/6	B	NCM
91	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-24	LoSa	10YR4/3	A	NCM
	3	24-34	LoSa	10YR5/6	B	NCM

92	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	LoSa	10YR4/3	A	NCM
	3	25-35	LoSa	10YR5/6	B	NCM
93	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	LoSa	10YR4/3	A	NCM
	3	25-35	LoSa	10YR5/6	B	NCM
94	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-24	LoSa	10YR4/3	A	NCM
	3	24-34	LoSa	10YR5/6	B	NCM
95	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-26	LoSa	10YR4/3	A	NCM
	3	26-36	LoSa	10YR5/6	B	NCM
96	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-24	LoSa mottle	10YR4/3-5/6	A/B	NCM
	3	24-35	LoSa	10YR5/6	B	NCM
97	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-24	LoSa	10YR4/3	A	NCM
	3	24-34	LoSa	7.5YR4/6	B	NCM
98	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-23	LoSa	10YR4/3	A	NCM
	3	23-33	LoSa	10YR5/6	B	NCM
99	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-26	LoSa	10YR4/3	A	NCM
	3	26-36	LoSa	10YR5/6	B	NCM
100	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-25	LoSa	10YR4/3	A	NCM
	3	25-3	LoSa	10YR5/6	B	NCM
101	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-25	LoSa	10YR4/3	A	NCM
	3	25-35	LoSa	10YR5/6	B	NCM
102	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-25	LoSa	10YR4/3	A	NCM
	3	25-35	LoSa	10YR5/6	B	NCM
103	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-24	LoSa	10YR4/3	A	NCM
	3	24-34	LoSa	10YR5/6	B	NCM
104	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-26	LoSa	10YR4/3	A	NCM
	3	26-36	LoSa	10YR5/6	B	NCM

105	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-23	LoSa	10YR4/3	A	NCM
	3	23-33	LoSa	10YR5/6	B	NCM
106	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-26	LoSa	10YR4/3	A	NCM
	3	26-36	LoSa	10YR5/6	B	NCM
107	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-26	LoSa	10YR4/3	A	NCM
	3	26-36	LoSa	10YR5/6	B	NCM
108	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-26	LoSa	10YR4/3	A	NCM
	3	26-36	LoSa	10YR5/6	B	NCM
109	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-27	LoSa	10YR4/3	A	NCM
	3	27-37	LoSa	10YR5/6	B	NCM
110	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-20	LoSa	10YR4/3	A	NCM
	3	20-30	LoSa	10YR5/6	B	NCM
111	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-21	LoSa	10YR4/3	A	NCM
	3	21-32	LoSa	10YR5/6	B	NCM
112	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-24	LoSa	10YR4/3	A	NCM
	3	24-38	LoSa	10YR5/6	B	NCM
113	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-23	LoSa	10YR4/3	A	NCM
	3	23-34	LoSa	10YR5/6	B	NCM
114	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	LoSa	10YR4/3	A	NCM
	3	25-38	LoSa	10YR5/6	B	NCM
115	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-27	LoSa	10YR4/3	A	NCM
	3	17-37	LoSa	10YR5/6	B	NCM
116	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-24	LoSa	10YR4/3	A	NCM
	3	24-38	LoSa	10YR5/6	B	NCM

117	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-27	LoSa	10YR4/3	A	NCM
	3	27-39	LoSa	10YR5/6	B	NCM
118	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-24	LoSa	10YR4/3	A	NCM
	3	24-38	LoSa	10YR5/6	B	NCM
119	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-28	LoSa	10YR4/3	A	NCM
	3	28-38	LoSa	10YR5/6	B	NCM
120	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	LoSa	10YR4/3	A	flake
	3	25-35	LoSa	7.5YR4/6	B	NCM
121	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	LoSa	10YR4/3	A	NCM
	3	25-35	LoSa	10YR5/6	B	NCM
122	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-26	LoSa mottled	10YR4/2-5/6	A/B	NCM
	3	26-37	LoSa	10YR5/6	B	NCM
123	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-24	LoSa	10YR4/3	A	NCM
	3	24-38	LoSa	10YR5/6	B	NCM
124	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-23	LoSa	10YR4/3	A	NCM
	3	23-33	LoSa	10YR5/6	B	NCM
125	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-26	LoSa	10YR4/3	A	flake
	3	26-37	LoSa	10YR5/6	B	NCM
126	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-23	LoSa	10YR4/3	A	NCM
	3	23-35	LoSa	10YR5/6	B	NCM
127	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-22	LoSa	10YR4/3	A	NCM
	3	22-33	LoSa	10YR5/6	B	NCM
128	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	LoSa	10YR4/3	A	NCM
	3	25-40	LoSa	10YR5/6	B	NCM
129	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-24	LoSa	10YR4/3	A	NCM
	3	24-40	ClLo	10YR5/6	B	NCM

130	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-20	LoSa	10YR4/3	A	NCM
	3	20-30	LoSa	10YR5/6	B	NCM
131	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-21	LoSa	10YR4/3	A	NCM
	3	21-31	LoSa	10YR5/6	B	NCM
132	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	LoSa	10YR4/3	A	NCM
	3	25-38	LoSa	10YR5/6	B	NCM
133	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	5-25	LoSa	10YR4/3	A	NCM
	3	25-37	LoSa	10YR5/6	B	NCM
134	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-27	LoSa	10YR4/3	A	NCM
	3	27-40	LoSa	10YR5/6	B	NCM
135	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-26	LoSa	10YR4/3	A	NCM
	3	26-36	LoSa	10YR5/6	B	NCM
136	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-27	LoSa	10YR4/3	A	NCM
	3	27-38	LoSa	10YR5/6	B	NCM
137	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	LoSa	10YR4/3	A	NCM
	3	25-35	LoSa	10YR5/6	B	NCM
138	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-27	LoSa	10YR4/3	A	NCM
	3	27-40	LoSa	10YR5/6	B	NCM
139	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-23	LoSa mottled	10YR4/2-5/6	A	NCM
	3	23-36	LoSa	10YR6/3	B	NCM
140	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	LoSa	10YR4/3	A	NCM
	3	25-40	LoSa	10YR5/6	B	NCM
141	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-26	LoSa	10YR4/3	A	brick frag
	3	26-41	LoSa	10YR5/6	B	NCM
142	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	LoSa	10YR4/3	A	NCM
	3	25-35	LoSa	10YR5/6	B	NCM

143	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-27	LoSa	10YR4/3	A	NCM
	3	27-40	LoSa	10YR5/6	B	NCM
144	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-25	LoSa	10YR4/3	A	flake, undec ww
	3	25-36	LoSa	10YR5/6	B	NCM
145	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-23	LoSa	10YR4/3	A	NCM
	3	23-33	LoSa	10YR5/6	B	NCM
146	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-25	LoSa	10YR4/3	A	NCM
	3	25-37	LoSa	10YR5/6	B	NCM
147	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-23	LoSa	10YR4/3	A	NCM
	3	23-33	LoSa	10YR5/6	B	NCM
148	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-28	LoSa	10YR4/3	A	flake
	3	28-38	LoSa	10YR5/6	B	NCM
149	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-26	LoSa	10YR4/3	A	flake
	3	26-36	LoSa	10YR5/6	B	NCM
150	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-24	LoSa	10YR4/3	A	NCM
	3	24-36	LoSa	10YR5/6	B	NCM
151	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-20	LoSa	10YR4/3	A	NCM
	3	20-root				
152	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-25	LoSa	10YR4/3	A	NCM
	3	25-35	LoSa	10YR5/6	B	NCM
153	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-27	LoSa	10YR4/3	A	NCM
	3	27-37	LoSa	10YR5/6	B	NCM
154	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-24	LoSa	10YR4/3	A	NCM
	3	24-37	LoSa	10YR5/6	B	NCM
155	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-28	LoSa	10YR4/3	A	NCM
	3	28-38	LoSa	10YR5/6	B	NCM

156	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-30	LoSa	10YR4/3	A	NCM
	3	30-40	LoSa	10YR5/6	B	NCM
157	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-24	LoSa	10YR4/3	A	NCM
	3	24-40	LoSa	10YR5/6	B	NCM
158	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	LoSa	10YR4/3	A	NCM
	3	25-35	LoSa	10YR5/6	B	NCM
159	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-24	LoSa	10YR4/3	A	NCM
	3	24-40	LoSa	10YR5/6	B	NCM
160	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-27	LoSa	10YR4/3	A	NCM
	3	27-37	LoSa	10YR5/6	B	NCM
161	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-29	LoSa	10YR4/3	A	NCM
	3	29-39	LoSa	10YR5/6	B	NCM
162	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	LoSa	10YR4/3	A	NCM
	3	25-35	LoSa	10YR5/6	B	NCM
163	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-28	LoSa	10YR3/3	A	NCM
	3	28-38	LoSa	7.5R4/6	B	NCM
164	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	LoSa	10YR4/3	A	NCM
	3	25-39	LoSa	10YR5/6	B	NCM
165	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-24	LoSa	10YR4/3	A	NCM
	3	24-35	LoSa	10YR5/6	B	NCM
166	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-23	LoSa	10YR4/3	A	NCM
	3	23-33	LoSa	10YR5/6	B	NCM
167	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-27	LoSa	10YR4/3	A	NCM
	3	27-37	LoSa	10YR5/6	B	NCM
168	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-27	LoSa	10YR4/3	A	NCM
	3	27-37	LoSa	10YR5/6	B	NCM

169	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-27	LoSa mottled	10YR4/3-5/6	A	NCM
	3	27-37	LoSa	10YR5/6	B	NCM
170	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-24	LoSa mottled	10YR4/3-5/6	A	NCM
	3	24-34	LoSa	10YR5/6	B	NCM
171	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-26	LoSa	10YR4/3	A	NCM
	3	26-36	LoSa	10YR5/6	B	NCM
172	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-26	LoSa	10YR4/3	A	NCM
	3	26-36	LoSa	10YR5/6	B	NCM
173	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-25	LoSa	10YR4/3	A	NCM
	3	25-35	LoSa	10YR5/6	B	NCM
174	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-23	LoSa	10YR4/3	A	NCM
	3	23-34	LoSa	10YR5/6	B	NCM
175	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-24	LoSa	10YR4/3	A	NCM
	3	24-37	LoSa	10YR5/6	B	NCM
176	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-27	LoSa	10YR4/3	A	NCM
	3	27-37	LoSa	10YR5/6	B	NCM
177	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-24	LoSa	10YR4/3	A	NCM
	3	24-38	LoSa	10YR5/6	B	NCM
178	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-26	LoSa	10YR4/3	A	NCM
	3	26-36	LoSa	10YR5/6	B	NCM
179	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-28	LoSa	10YR4/3	A	NCM
	3	28-38	LoSa	10YR5/6	B	NCM
180	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-24	LoSa	10YR4/3	A	NCM
	3	24-38	LoSa	10YR5/6	B	NCM
181	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	5-25	LoSa	10YR4/3	A	NCM
	3	25-35	LoSa	10YR5/6	B	NCM

182	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-23	LoSa	10YR4/3	A	NCM
	3	23-33	LoSa	10YR5/6	B	NCM
183	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-25	LoSa	10YR4/3	A	NCM
	3	25-35	LoSa	10YR5/6	B	NCM
184	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-25	LoSa	10YR4/3	A	NCM
	3	25-35	LoSa	10YR5/6	B	NCM
185	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-24	LoSa	10YR4/3	A	NCM
	3	24-34	LoSa	10YR5/6	B	NCM
186	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-24	LoSa	10YR4/3	A	NCM
	3	24-39	LoSa	10YR5/6	B	NCM
187	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-23	LoSa	10YR4/3	A	NCM
	3	23-38	LoSa	10YR5/6	B	NCM
188	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-25	LoSa	10YR4/3	A	NCM
	3	25-36	LoSa	10YR5/6	B	NCM
189	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	LoSa	10YR4/3	A	NCM
	3	25-35	LoSa	10YR5/6	B	NCM
190	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-24	LoSa	10YR4/3	A	NCM
	3	24-34	LoSa	10YR5/6	B	NCM
191	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-24	LoSa	10YR4/3	A	NCM
	3	24-39	LoSa	10YR5/6	B	NCM
192	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-25	LoSa	10YR4/3	A	NCM
	3	25-35	LoSa	10YR5/6	B	NCM
193	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-23	LoSa	10YR4/3	A	NCM
	3	23-37	LoSa	10YR5/6	B	NCM
194	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-22	LoSa	10YR4/3	A	NCM
	3	22-32	LoSa	10YR5/6	B	NCM

195	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-24	LoSa	10YR4/3	A	NCM
	3	24-34	LoSa	10YR5/6	B	NCM
196	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-23	LoSa	10YR4/3	A	NCM
	3	23-35	LoSa	10YR5/6	B	NCM
197	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-23	LoSa	10YR4/3	A	NCM
	3	23-35	LoSa	10YR5/6	B	NCM
198	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-21	LoSa	10YR4/3	A	NCM
	3	21-33	LoSa	10YR5/6	B	NCM
199	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-22	LoSa	10YR4/3	A	NCM
	3	22-35	LoSa	10YR5/6	B	NCM
200	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-21	LoSa	10YR4/3	A	NCM
	3	21-33	LoSa	10YR5/6	B	NCM
201	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-22	LoSa	10YR4/3	A	NCM
	3	22-39	LoSa	10YR5/6	B	NCM
202	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-22	LoSa	10YR4/3	A	NCM
	3	22-36	LoSa	10YR5/6	B	NCM
203	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-23	LoSa	10YR4/3	A	NCM
	3	23-33	LoSa	10YR5/6	B	NCM
204	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-25	LoSa	10YR4/3	A	NCM
	3	25-35	LoSa	10YR5/6	B	NCM
205	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-26	LoSa wet	10YR4/3	A	NCM
	3	26-36	LoSa	10YR5/6	B	NCM
206	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-24	LoSa wet	10YR4/3	A	NCM
	3	24-36	LoSa	10YR5/6	B	NCM
207	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-28	LoSa	10YR4/3	A	NCM
	3	28-40	LoSa	10YR5/6	B	NCM

208	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-23	LoSa	10YR4/3	A	NCM
	3	23-40	LoSa	10YR5/6	B	NCM
209	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-23	LoSa	10YR4/3	A	NCM
	3	23-40	LoSa	10YR5/6	B	NCM
210	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-26	LoSa	10YR4/3	A	NCM
	3	26-38	LoSa	10YR5/6	B	NCM
211	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-26	LoSa	10YR4/3	A	NCM
	3	26-36	LoSa	10YR5/6	B	NCM
212	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-20	LoSa	10YR4/3	A	NCM
	3	20-30	LoSa	10YR5/6	B	NCM
213	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-21	LoSa	10YR4/3	A	NCM
	3	21-31	LoSa	10YR5/6	B	NCM
214	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-23	LoSa	10YR4/3	A	NCM
	3	23-33	LoSa	10YR5/6	B	NCM
215	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-23	LoSa	10YR4/3	A	NCM
	3	23-33	LoSa	10YR5/6	B	NCM
216	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	LoSa	10YR4/3	A	NCM
	3	25-35	LoSa	10YR5/6	B	NCM
217	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-20	LoSa	10YR4/3	A	NCM
	3	20-30	LoSa	10YR5/6	B	NCM
218	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-24	LoSa	10YR4/3	A	NCM
	3	24-34	LoSa	10YR5/6	B	NCM
219	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-24	LoSa	10YR4/3	A	NCM
	3	24-34	LoSa	10YR5/6	B	NCM
220	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-24	LoSa	10YR4/3	A	NCM
	3	24-35	LoSa	10YR5/6	B	NCM

221	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-15	LoSa	10YR4/3	A	NCM
	3	15-25	LoSa	10YR5/6	B	NCM
222	1	0-1	rootmat,leaves,humus		A/O	NCM
	2	1-15	LoSa	10YR4/3	A	NCM
	3	15-25	LoSa	10YR5/6	B	NCM
223	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-15	LoSa	10YR4/3	A	NCM
	3	15-25	LoSa	10YR5/6	B	NCM
224	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-20	LoSa	10YR4/3	A	NCM
	3	20-30	LoSa	10YR5/6	B	NCM
225	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-20	LoSa	10YR4/3	A	NCM
	3	9-20	LoSa	10YR5/6	B	NCM
226	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-13	LoSa	10YR4/3	A	NCM
	3	13-23	LoSa	10YR5/6	B	NCM
227	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-13	LoSa	10YR4/3	A	NCM
	3	13-23	LoSa	10YR5/6	B	NCM
228	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-16	LoSa	10YR4/3	A	NCM
	3	16- 26	LoSa	10YR5/6	B	NCM
229	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-23	LoSa	10YR4/3	A	NCM
	3	23-33	LoSa	10YR5/6	B	NCM
230	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-24	LoSa	10YR4/3	A	NCM
	3	24-35	LoSa	10YR5/6	B	NCM
231	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-26	LoSa	10YR4/3	A	NCM
	3	26-37	LoSa	10YR5/6	B	NCM
232	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-24	LoSa	10YR4/3	A	NCM
	3	24-34	LoSa	10YR5/6	B	NCM
233	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-26	LoSa	10YR4/3	A	NCM
	3	27-36	LoSa	10YR5/6	B	NCM

234	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-22	LoSa	10YR4/3	A	NCM
	3	22-32	LoSa	10YR5/6	B	NCM
235	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-24	LoSa	10YR4/3	A	NCM
	3	24-40	LoSa	10YR5/6	B	NCM
236	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-25	LoSa	10YR4/3	A	NCM
	3	25-35	LoSa	10YR5/6	B	NCM
237	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-24	LoSa	10YR4/3	A	NCM
	3	24-34	LoSa	10YR5/6	B	NCM
238	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-19	LoSa	10YR4/3	A	NCM
	3	19-29	LoSa	10YR5/6	B	NCM
239	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-16	LoSa	10YR4/3	A	NCM
	3	16-26	LoSa	10YR5/6	B	NCM
240	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-18	LoSa	10YR4/3	A	NCM
	3	18-28	LoSa	10YR5/6	B	NCM
241	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-21	LoSa	10YR4/3	A	NCM
	3	21-32	LoSa	10YR5/6	B	NCM
242	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-25	LoSa	10YR4/3	A	NCM
	3	25-35	LoSa	10YR5/6	B	NCM
243	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-13	LoSa	10YR4/3	A	NCM
	3	13-23	LoSa	10YR5/6	B	NCM
244	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-22	LoSa	10YR4/3	A	NCM
	3	22-32	LoSa	10YR5/6	B	NCM
245	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-20	LoSa	10YR4/3	A	NCM
	3	20-30	LoSa	10YR5/6	B	NCM
246	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-19	LoSa	10YR4/3	A	NCM
	3	19-29	LoSa	10YR5/6	B	NCM

247	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-22	LoSa	10YR4/3	A	NCM
	3	22-34	LoSa	10YR5/6	B	NCM
248	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-25	LoSa	10YR4/3	A	NCM
	3	25-35	LoSa	10YR5/6	B	NCM
249	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-24	LoSa	10YR4/3	A	NCM
	3	14-34	LoSa	10YR5/6	B	NCM
250	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-23	LoSa	10YR4/3	A	NCM
	3	23-33	LoSa	10YR5/6	B	NCM
251	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-21	LoSa	10YR4/3	A	NCM
	3	31-31	LoSa	10YR5/6	B	NCM
252	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-23	LoSa	10YR4/3	A	NCM
	3	33-33	LoSa	10YR5/6	B	NCM
253	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-23	LoSa	10YR4/3	A	NCM
	3	23-34	LoSa	10YR5/6	B	NCM
254	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-21	LoSa	10YR4/3	A	NCM
	3	21-33	LoSa	10YR5/6	B	NCM
255	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-25	LoSa	10YR4/3	A	NCM
	3	25-35	LoSa	10YR5/6	B	NCM
256	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-23	LoSa	10YR4/3	A	NCM
	3	23-23	LoSa	10YR5/6	B	NCM
257	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-29	LoSa	10YR4/3	A	NCM
	3	29-39	LoSa	10YR5/6	B	NCM
258	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-21	LoSa	10YR4/3	A	NCM
	3	21-31	LoSa	10YR5/6	B	NCM
259	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-22	LoSa	10YR4/3	A	NCM
	3	22-32	LoSa	10YR5/6	B	NCM

260	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-22	LoSa	10YR4/3	A	NCM
	3	22-32	LoSa	10YR5/6	B	NCM
261	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-22	LoSa	10YR4/3	A	NCM
	3	22-32	LoSa	10YR5/6	B	NCM

APPENDIX 3

INDIAN HILLS-2020 PHASE I-SITES C(EXT) & D

CAT	SF	ST	TU	LV	ARB	FT	GP	CL	MAT	MOR	DESCRIPTION	CT	WT
13		120			B		10	3	54	29	tertiary clear-white banded	1	2.00
14		125			B		10	3	54	33	block shatter white	1	1.10
15		144			B		10	3	54	27	primary clear-white banded	1	1.10
16		148			B		10	3	54	29	tertiary white	1	0.70
17		149			B		10	3	54	28	secondary white	1	1.10
1		7			D		10	3	53	29	tertiary white	1	0.70
2		18			D		10	3	53	29	tertiary white	1	0.10
3		18			D		10	3	54	28	secondary wwhite	1	2.80
4		22			D		10	3	54	28	secondary white	1	4.50
5		22			D		10	3	53	29	tertiary banded clear-white	1	2.40
6		39			D		10	3	54	28	secondary white	1	1.00
8		45			D		10	3	54	28	secondary banded clear-white	3	3.10
9		45			D		10	3	54	29	tertiary white	1	0.20
10		46			D		10	3	54	27	primary brown	1	11.10
11		46			D		10	7	54	81	poss. Biface clear-brown	1	2.00
12		57			D		10	3	54	29	tertiary banded clear-white	5	2.50
7		42			D		10	3	53	29	tertiary white	1	0.20