

# ILLINOIS POWER

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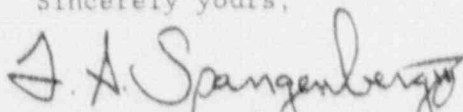
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Washington, D.C. 20555

Subject: Clinton Power Station  
Annual Environmental Operating Report

Dear Sir:

In accordance with Appendix B to Facility Operating License NPF-61, Illinois Power Company (IP) is submitting the Annual Environmental Operating Report (Attachment 1). This report covers the period January 1, 1990 through December 31, 1990.

Sincerely yours,



F. A. Spangenberg, III  
Manager, Licensing and Safety

SFB/alh

Attachments - 6 (Available upon request)

cc: NRC Clinton Licensing Project Manager  
NRC Resident Office  
NRC Region III, Regional Administrator  
Illinois Department of Nuclear Safety

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## Annual Environmental Operating Report

The Environmental Protection Plan (EPP) for Clinton Power Station requires that the Annual Environmental Operating Report shall include:

- (A) A list of EPP noncompliances and the corrective actions taken to remedy them.
- (B) A list of all change in station design or operation, tests, and experiments made in accordance with Subsection 3.1 which involved a potentially significant unreviewed environmental issue.
- (C) A list of non-routine reports submitted in accordance with Subsection 5.4.2.
- (D) Any results and/or assessments for the environmental monitoring programs described in Subsection 2.0 of this EPP which were submitted to the respective regulatory agencies during the annual reporting period.

The following provides the Illinois Power Company response to each listed item.

A. Listing of EPP noncompliances and corrective actions:

1) Noncompliance:

A total suspended solids sample obtained March 12, 1990 from outfall 008 yielded 93 ppm total suspended solids and resulted in a 30 day average of 56 ppm.

Corrective Action:

Heavy rainfall during that period is suspected to have caused excessive area runoff and flooding which resulted in this suspended solids concentration. Clinton Power Station does not currently contribute to this stream.

2) Noncompliance:

On June 12, 1990, a sample obtained from Outfall 002a did not contain detectable chlorine.

Corrective Action:

The tube containing the chlorine tablets was placed upside down forcing the sewage flow around it, thereby not allowing the chlorine to dissolve in the slurry. Upon being informed of this condition, Radwaste placed the tube in a chlorinating position. Analysis on 6-13-90 resulted in 0.5 ppm chlorine.



3) Noncompliance:

On June 20, 1990, electrical power was lost to the flume building at Outfall 002 from 0115-1340 which resulted in an inability to continuously monitor temperature during that time period.

Corrective Action:

A grab temperature during that time period was read as 94°F. The maximum temperature for that day was 95°F.

4) Noncompliance:

On July 25, 1990, a grab sample collected at outfall 005 (Diesel Generator Area Oil-Water Separator) Contained 60 ppm of Oil and Grease. This resulted in a 30 Day Average of 17.3 ppm Oil and Grease. The previous three grab samples taken during the month of July contained 1.7 ppm, 5.1 ppm, and 2.5 ppm, respectively. A subsequent grab sample that was collected on August 1, 1990, contained 3.5 ppm of Oil and Grease.

Corrective Action:

The initial investigation of the Noncompliance identified malfunctioning outfall 005 sump pump level/shutoff float switch. The float switch has been repaired in accordance with the Clinton Power Station corrective maintenance program.

5) Noncompliance:

The Total Suspended Solid Composite sample collected for Outfall 002a (Sewage Treatment Plant Effluent) on September 6, 1990 was inadvertently disposed of without being analyzed. This discrepancy was not identified until September 13, 1990, which resulted in a missed weekly sample.

The technicians, who collected the sample mistakenly entered the initial data for Outfall 002a sample into the receiving logbook indicating the Analysis had been started. The chemist, who performs sample analysis, reviewed the log book entry and thought the analysis had been completed. The sample was then marked for disposal.

Corrective Action:

The chemist has been counseled on the importance of reviewing the laboratory receiving logbook for valid sample Analysis results before marking the samples for disposal. Additionally, the Central Laboratory Staff received a briefing on the importance of accurately entering all data in the NPDES receiving logbook.

6) Noncompliance:

On September 10, 1990, the Circulating Water System was chlorinated from 0845 and 1030 and again from 1315 to 1405 for a total of 2 hours and 35 minutes. The 2 hour per day chlorine injection time limit was exceeded by 35 minutes. However, the continuous chlorine detectable monitoring recorder indicated less than .001 ppm detectable chlorine. Therefore, the detectable chlorine concentration limit of .2 ppm was not exceeded.

Corrective Action:

The involved operations personnel have been instructed on the 2 hour per day chlorine injection time limit. Additionally, Operations has posted a sign at the chlorination injection area. The sign states that sodium hypochlorite shall only be injected for 2 hours or less per day.

7) Noncompliance:

On October 29, 1990, a grab sample collected at Outfall 004 (Transformer Area Oil-Water Separator) contained 28 ppm Oil and Grease. A subsequent sample collected October 31, 1990 contained 29 ppm Oil and Grease. The previous two grab samples taken during the first and second weeks in October contained 3.3 ppm and 7.2 ppm Oil and Grease, respectively. This resulted in a 30 day Average of 16.9 ppm Oil and Grease. Additionally, the grab sample collected on November 2, 1990, contained 3.9 ppm Oil and Grease.

The investigation of the noncompliance at outfall 004 has determined the source of oil and grease to be the result of transferring the contents of Oil Separator (OS) Number 2 into the outlet of Oil Separator (OS) Number 1, instead of the inlet to the oils separator. This error would have discharge oil from outfall 004 directly to the lake.

Corrective Action:

All Utility men associated with performing the transfer of oil from either oil separator have been briefed on this noncompliance. Additionally, the oil separator covers have been color coded to indicate the inlet and outlet chambers. These corrective actions were completed by December 31, 1990.

8) Noncompliance:

The analysis result from the 12/13/90 sample biochemical oxygen demand (BOD) taken from outfall 002a (Sewage Treatment Plant Effluent) was determined to be invalid due to an incorrect dilution factor being used. The analysis results for this outfall have been consistent since it began operation so the Analysis was set up as is normally done. When the analysis result was higher than anticipated, the dilutions used for the Analysis were determined to be incorrect.

Corrective Action:

The exact caused of the increased BOD<sub>5</sub> is not known but was suspected to be associated with flow changes at the sewage treatment plant during the compositing period. Other BOD<sub>5</sub> analyses taken on 12-5, 12-19, and 12-27 showed 7, 10, and 10 ppm respectively. This noncompliance was deemed to an isolated incident with no further corrective action being necessary.

9) Noncompliance:

A sample taken from outfall 004 (Transformer Area Oil-Water Separator) on 12-18-90 contained 22 ppm oil and grease. A sample taken from this outfall on 12-31-90 contained 3.2 ppm and the two previous samples taken on 12-3-90 and 12-10-90 contained 1.1 and 7.9 ppm oil and grease respectively.

A grab sample taken from outfall 005 (Diesel Generator Area Oil-Water Separator) on 12-31-90 contained 42 ppm oil and grease. This result, when taken with the other results for December (1.3 ppm on 12-5 and 5.0 ppm on 12-29) gave a 30 day average concentration of 16.1 ppm.

Corrective Action:

The cause for the December, 1990 noncompliances resulted from maintenance actions to clean the separators and replace the baffle plates in the separator. The water discharge pump was left on too long and oil/grease was taken into the pump and discharge line. When this pump was used again, the residual material was flushed on through the discharge piping. Actions to prevent recurrence include more attention to separator operation and better verification of a clean pump and discharge line. The cause for the noncompliance with Outfall 004 has not been determined despite walking down the inputs for this oil/water separator and checking the separator itself. The station has closely observed the effluent results to ensure that the separator is operating correctly. A maintenance work request has been initiated to clean this separator and check the baffles.

10) Noncompliance:

The Total Suspended Solids concentration (TSS) for the Ultimate Heat Sink Dredging Disposal Facility Outfall obtained on December 5, 16, and 30 yielded 120 ppm, 39 ppm and 68 ppm, respectively. This resulted in a 30 day TSS overage of 29.1 ppm for the month of December.

Corrective Actions:

The Noncompliance has been attributed to rain storms, high winds and wave action causing erosion of the Ultimate Heat Sink Dredging Disposal Facility berm/dike. The Dredging Operation was determined to not be attributing to high TSS.

Clinton Power Station installed the stop log in the discharge tower on December 18. This action reduced the discharge flow rate from about 16 cubic feet per second (cfs) to less than 2 cfs. This reduced flow rate was as low as could be achieved. It mainly consisted of leakage between the stop logs. This flow was steadily declined and will continue to decline.

Additionally, Clinton Power Station has inspected the Disposal Facility berm/dike for erosion. The areas which exhibited high erosion have been corrected by the placement of rip rap. No other actions are presently planned to prevent future problems due to natural causes.

- B. List of changes in station design or operation, tests, and experiments made in accordance with Subsection 3.1 which involved a potentially significant unreviewed environmental issue:

No changes were made in this time period to station design, operation, tests, or experiments which involved a potentially significant unreviewed environmental issue.

- C. The following is a non-routine report submitted in accordance with Subsection 5.4.2:

On November 6, 1990, Illinois Power Company reported a discharge of oil to Clinton Lake. The source of the release was disturbance of the lake bottom resulting from the dredging operation to remove accumulated silt from the Ultimate Heat Sink in Clinton Lake. At approximately 4:13 p.m., oil was observed coming to the surface above the cutter head. An estimated 25 to 50 gallons of oil came to the surface. Wind and wave action spread the oil sheen to shoreline areas north and northeast of the dredging operation. Some oil was also pumped by the dredge to the dredging disposal facility. Oil was reported to have stopped coming to the surface at 5:30 p.m.



Immediate Corrective Action and/or Counter Measures Taken:

- (a) Dredging operations were stopped and the cutter head was raised and inspected to ensure that there was not a hydraulic leak. No leak was found.
- (b) Oil booms and absorbent materials were set out during the night of November 6th into the morning of the 7th in all areas where an oil sheen was observed. O. H. Materials, Inc. was called in to assist with containment of the spill.
- (c) Notified Environmental Affairs Department for further notification to the National Response Center (Incident No. 46660) and Illinois Emergency Services and Disaster Agency (Incident No. 903285).
- (d) A sample of the liquid was sent to EMS Laboratories (Indianapolis, IN.) for identification. EMS confirmed that the oil was diesel fuel.
- (e) The location of the oil source was surveyed so that the location could be found again at a later date. Illinois Power collected bottom solid samples and found signs of diesel fuel present in the top layer of the original bottom solids (beneath the silt). Diesel fuel was evident when the clumps of solid were broken apart.
- (f) A diver tried to find a container (e.g. drum, pipe, tank, etc.) on/in the soils that might have held the oil. No containers were found.
- (g) No environmental impact was noted after the cleanup of the release.

Additional Preventative Measures Taken or Planned to Minimize the Possibility of Recurrence:

- (a) The Dredging Barge was moved past the location of the spill by 100 feet before the dredging operation was resumed.
- (b) John Mathes and Associates were called to conduct a geophysical survey in the area of the oil source to look for metal objects in the lake bottom which may contain oil. Core samples from the lake bottom will be collected to determine the horizontal and vertical size of any subsurface pockets of oil.
- (c) The results of the John Mathes surveys (diver search, underwater radar, and core sampling) yielded no further information. No other signs of oil contamination were found. No further investigations or corrective actions are planned.



- (d) Results and/or assessments for the environmental monitoring programs described in Subsection 2.0 of this EPP which were submitted to the respective regulatory agencies during the annual reporting period:
1. A further report on Clinton Lake Naegleria fowleri Monitoring and Clinton Lake temperature data was submitted on August 21, 1990. Additional 1990 temperature data was provided January 8, 1991. There were nine positive samples of N. fowleri (six bottom samples and three surface water samples). Out of 176 samples collected between June to October 1989. The warmest lake water temperature near Mascoutin Beach was 88.6°F on September 6, 1990. The complete information is provided in Attachments A and B.
  2. The Clinton Lake segmentation survey for 1990 is provided in Attachment C. While the survey measured the 1990 depths near the Parnell Road Bridge and the DeWitt County Highway 15 Bridge, the Ultimate Heat Sink was dredging during the fall of 1990.
  3. By the fall of 1989, silt accumulation had reduced the reserve volume capacity of the Ultimate Heat Sink to about 13%. Illinois Power acquired Illinois Environmental Protection Agency permits 1990-EA-0172 and 1990-EA-0172-1, Illinois Department of Transportation permit 20129, and Army Corps of Engineers Permit 18827Z in order to dredge this accumulated silt from the Ultimate Heat Sink during the fall of 1990. The reserve capacity upon completion of the dredging was 83%. Attachments D and E provide information on the Archaeological surveys done in preparation for the dredging.

Attachment A

1989 Clinton Lake Naegleria fowleri Monitoring  
Clinton Lake Mascoutin Beach Water Temperatures

(5/1/90 - 6/15/90)

600-947  
L69-90(08-21-90)-LP  
1A110

ILLINOIS POWER COMPANY



CLINTON POWER STATION, P.O. BOX 678, CLINTON, ILL. 61711-0678  
August 21, 1990

Mr. David Antonacci  
Division of Environmental Health  
Illinois Department of Public Health  
535 W. Jefferson Street  
Springfield, IL 62761

Dear Mr. Antonacci:

Clinton Lake 1989 Naegleria Monitoring Data

Enclosed are two copies of a report on the 1989 monitoring program for Naegleria fowleri at Clinton Lake and a summary of all monitoring data through 1989. This information was the basis for the presentation to the National Environmental Health Association in June. We are continuing our monitoring program with Dr. Huizinga in 1990 and will provide a copy of the results when they are available.

Also enclosed are the 1990 daily average water temperatures from the Clinton Lake Mascoutin Beach from May 1-June 15. We will forward the remaining 1990 summer temperatures when they are available.

If you have any questions concerning the report or the temperature data, please feel free to call me at (217) 424-6475.

Sincerely,

James A. Smithson  
Supervisor  
Biological Programs

JAS/gw  
Enclosures

Clinton Lake Naegleria fowleri Monitoring Program  
1989 Monitoring Report  
and  
1983-1989 Program Summary

Purpose

This report summarizes the 1989 Naegleria fowleri monitoring program and water temperatures for Clinton Lake. It also presents a brief summary of the monitoring program data from 1983 through 1989.

Methods and Materials

Collection and analytical methods for 1989 were similar to those reported in 1988 by Dr. Huizinga in the "Survey of Clinton Lake for the Occurrence of Naegleria fowleri". Samples were collected from eight sites (Figure 1) and on six dates in 1989 (Table 1). Temperatures were recorded for each duplicate surface water and bottom samples collected at each site (Table 1). Temperatures were also recorded on an hourly basis by a DataSonde continual recorder at three of the eight collection sites to characterize lake temperatures.

Data for the program summary from 1983 through 1989 were obtained from the reports and data sheets from all the researchers involved.

Results and Discussion

1989 Results

A total of 176 samples were collected in 1989 and Naegleria fowleri were isolated from nine samples (5.1%) (Table 2). Six of the N. fowleri were isolated from bottom samples and three from surface water samples. Five of the N. fowleri isolates were from sites most likely to be influenced by thermal effluents. The remaining four isolates were from a single site (13B) next to the plant intake which was least likely to be influenced by thermal effluents. This is the first year N. fowleri have been isolated from the intake area of the lake.

Naegleria fowleri were isolated from temperatures ranging from 22 to 35°C in 1989. Daily temperatures at the Mascoutin Beach from April 1 to October 4 ranged from 46.7°F (8.2°C) to 89.6°F (32°C) (Table 3).

Non-pathogenic Naegleria species were present in 33% of the bottom samples and 18% of the surface water samples in 1989. The mean percentage of non-pathogenic Naegleria in all 1989 samples was 25.6%.

## Program Summary 1983-1989

In 1983 and 1984, N. fowleri were not isolated from Clinton Lake by Dr. Tyndall (Table 4). However, in 1983, Dr. Tyndall did isolate another thermophilic pathogenic amoeba, Acanthamoeba lenticulata from Clinton Lake. In 1986, Dr. Wellings found one sample positive for N. fowleri (Table 4). This sample was collected in November when the water temperature was 12°C. Dr. Huizinga also had one positive sample for N. fowleri in 1986 and it was collected in July at a water temperature of 30°C.

The Clinton Power Station (CPS) first began operations in April of 1987. Power levels were below 15% until mid June, which limited thermal discharges to the lake. By the end of August, the plant reached 70% power and thermal discharges approached normal operating levels.

Dr. Lewis did not isolate N. fowleri from Clinton Lake in 1987. Dr. Huizinga isolated N. fowleri from two Clinton Lake samples in 1987. These samples were collected in July at 28°C and October at 32°C and represented 1.4% of his 1987 samples.

Extreme meteorological conditions in 1988 and the nearly continual operation of the CPS resulted in some of the warmest temperatures Clinton lake is likely to experience. A thermal model predicted that even without any thermal effluents, the monthly averages for June, July, and August would have ranked as the highest, fourth highest, and highest in the past 34 years. The National Weather service indicated the rainfall in June, July, and August of 1988 was the second lowest in the past 110 years. In addition, the plant was at nearly full power throughout the entire summer. Data from continual temperature recorders indicated the CPS thermal effluent had some influence on elevated lake temperatures throughout the first half of the cooling loop. Lake temperatures from the dam (Site 10) back to the plant intake were not affected by plant operations.

In 1988, Dr. Huizinga isolated N. fowleri from 21 of the 400 samples (5.3%) collected (Table 4). Thirteen of the twenty one isolates were from bottom samples. All isolates were from sites which received at least some thermal influence from CPS. Maximum daily lake temperature where the discharge enters the lake was 42.2°C. Isolates for N. fowleri were obtained at temperatures ranging from 18° to 38°C.

Dr. Huizinga's sample sites and analytical methods were similar between 1986 and 1989. This provided the most comparable data base over this period and was the basis for the following comparisons.



Samples positive for N. fowleri were lowest (0.8%) in 1986 and highest (5.3%) in 1988 (Figure 2). Samples positive for non-pathogenic Naegleria species appeared to vary inversely with N. fowleri.

The number of samples positive for N. fowleri at each lake site suggests N. fowleri were more prevalent at sites closest to the thermal discharges (Figure 3). The highest number of N. fowleri isolates were from Site 4, where the thermal discharges enter Clinton Lake. However, Site 4 also received the highest sampling effort and the percentage of samples positive for N. fowleri were higher at sites 5, 13B, and D2. The number of non-pathogenic Naegleria species show no definite pattern by site.

Samples were collected at temperatures which ranged from 2 to 46°C, with the majority being collected between 22 and 32°C (Figure 4). Naegleria fowleri were isolated from temperatures ranging from 18 to 38°C. The percentage of samples positive for N. fowleri were generally higher at the warmer temperatures (Figure 5).

#### 1990 Program Update

The monitoring program for 1990 is being conducted similar to the 1989 program. Two additional lake sites have been added and an attempt will be made to quantify N. fowleri abundance by the "most probable numbers" method. Dr. Huizinga is also working on a new technique which would reduce the time required to isolate N. fowleri from lake samples.

Table 1. Temperatures (°C) of bottom and surface water samples at the time of collection from Clinton Lake, Clinton, Illinois, 1989.

Sites*	Sampling Dates					
	06/14/89	06/28/89	07/12/89	08/16/89	09/14/89	10/11/89
13AB1	22.4	26.3	28.3	24.2	21.1	15.3
13AB2	22.4	26.5	27.8	24.1	20.0	15.3
13AS1	23.0	27.0	28.2	25.6	21.5	15.5
13AS2	23.0	27.0	28.2	25.6	21.4	15.6
13BB1	22.1	26.2	28.1	25.2	21.6	15.8
13BB2	22.1	26.4	27.6	25.1	20.3	15.9
13BS1	23.1	27.0	28.4	25.5	21.1	15.3
13BS2	23.2	26.9	28.3	25.5	21.3	15.7
12B1					21.8	16.0
12B2					21.8	15.5
12S1					21.1	15.8
12S2					21.1	15.8
8B1	22.1	26.3	28.8	25.3	21.5	16.1
8B2	21.5	25.9	28.8	25.3	22.4	16.5
8S1	22.3	26.8	28.8	25.3	21.8	16.1
8S2	22.3	26.3	28.3	25.3	21.6	16.1
6B1	22.1	28.1	30.7	27.2	22.1	18.3
6B2	22.1	28.6	31.2	27.2	22.2	18.8
6S1	22.1	28.9	29.9	27.8	22.7	18.1
6S2	22.3	28.2	31.1	27.8	22.6	18.5
4B1	22.8	34.4	35.8	34.8	30.0	27.6
4B2	23.1	34.3	35.6	34.7	30.4	26.3
4S1	23.5	35.2	36.8	36.2	31.0	28.0
4S2	23.3	35.7	36.4	36.2	31.3	28.1
2B1	23.7	34.8	37.6	34.8	31.6	28.2
2B2	23.9	35.6	38.0	34.8	31.2	28.5
2S1	24.2	36.4	38.8	34.8	31.6	28.5
2S2	24.1	36.3	38.8	34.8	31.8	28.6
1B1	24.2	29.7	39.5	34.8	31.6	29.5
1B2	24.5	29.7	39.5	34.8	31.4	29.5
1S1	25.2	34.6	39.5	34.8	32.3	29.5
1S2	24.8	31.7	39.5	34.8	32.3	29.5

\* The letter B following the site number identifies the sample as a bottom sample and the letter S identifies a surface sample.

Table 2. Samples positive for Naegleria fowleri and non-pathogenic Naegleria species from Clinton Lake, Clinton, Illinois, 1989.

Sites	Sampling Dates					
	06/14/89	06/28/89	07/12/89	08/16/89	09/14/89	10/11/89
13AB1	+				+	+
13AB2					+	
13AS1						
13AS2						
13BB1	X				+	
13BB2	X			X	+	+
13BS1						
13BS2				X		
12B1	-	-	-	-		
12B2	-	-	-	-	+	
12S1	-	-	-	-		
12S2	-	-	-	-		
8B1					+	
8B2	+				+	
8S1						
8S2						
6B1				X	+	
6B2						+
6S1						
6S2						
4B1	+		+		+	X
4B2	+	+			+	
4S1	+	+		+	+	
4S2	+		+		+	
2B1	+				+	+
2B2	+				+	
2S1	+	+	+		+	
2S2	+	+	+	X	+	X
1B1	+	+			+	X
1B2	+	+			+	
1S1	+				+	
1S2						

- no samples collected

X positive for Naegleria fowleri

+ positive for non-pathogenic Naegleria species

Table 3. Daily mean water temperatures (°F) at the Mascoutin State Park beach at Clinton Lake, Clinton, Illinois, 1989.

Date	Daily Mean	Date	Daily Mean	Date	Daily Mean	Date	Daily Mean
04/01/89	48.4	05/18/89	61.8	07/04/89	81.2	08/20/89	81.0
04/02/89	48.3	05/19/89	62.0	07/05/89	82.5	08/21/89	83.4
04/03/89	48.4	05/20/89	63.7	07/06/89	84.5	08/22/89	83.5
04/04/89	48.7	05/21/89	65.5	07/07/89	87.3	08/23/89	84.1
04/05/89	48.3	05/22/89	65.4	07/08/89	88.7	08/24/89	82.7
04/06/89	48.9	05/23/89	65.7	07/09/89	87.2	08/25/89	82.9
04/07/89	48.9	05/24/89	66.7	07/10/89	87.1	08/26/89	83.5
04/08/89	48.1	05/25/89	67.5	07/11/89	89.4	08/27/89	83.7
04/09/89	46.9	05/26/89	67.6	07/12/89	89.6	08/28/89	82.5
04/10/89	46.8	05/27/89	69.0	07/13/89	87.4	08/29/89	81.2
04/11/89	46.7	05/28/89	68.7	07/14/89	84.9	08/30/89	83.7
04/12/89	47.4	05/29/89	67.9	07/15/89	83.6	08/31/89	82.9
04/13/89	48.4	05/30/89	69.8	07/16/89	81.8	09/01/89	81.5
04/14/89	49.4	05/31/89	71.9	07/17/89	82.7	09/02/89	81.8
04/15/89	50.8	06/01/89	73.4	07/18/89	80.3	09/03/89	82.1
04/16/89	51.8	06/02/89	75.9	07/19/89	79.4	09/04/89	81.7
04/17/89	52.9	06/03/89	75.1	07/20/89	77.6	09/05/89	82.4
04/18/89	52.4	06/04/89	74.6	07/21/89	76.8	09/06/89	81.5
04/19/89	54.1	06/05/89	74.7	07/22/89	77.3	09/07/89	82.5
04/20/89	55.1	06/06/89	76.2	07/23/89	77.7	09/08/89	83.2
04/21/89	55.6	06/07/89	75.8	07/24/89	79.1	09/09/89	80.9
04/22/89	56.4	06/08/89	76.1	07/25/89	80.4	09/10/89	81.3
04/23/89	55.9	06/09/89	74.3	07/26/89	82.8	09/11/89	80.8
04/24/89	56.9	06/10/89	75.0	07/27/89	82.4	09/12/89	78.9
04/25/89	60.5	06/11/89	73.8	07/28/89	82.6	09/13/89	75.2
04/26/89	61.9	06/12/89	73.2	07/29/89	83.1	09/14/89	73.4
04/27/89	63.1	06/13/89	74.0	07/30/89	82.9	09/15/89	73.7
04/28/89	63.3	06/14/89	73.8	07/31/89	83.4	09/16/89	75.2
04/29/89	63.3	06/15/89	72.4	08/01/89	83.4	09/17/89	77.2
04/30/89	62.6	06/16/89	72.0	08/02/89	84.1	09/18/89	76.2
05/01/89	63.0	06/17/89	71.8	08/03/89	82.9	09/19/89	75.7
05/02/89	60.9	06/18/89	72.7	08/04/89	82.9	09/20/89	76.2
05/03/89	61.6	06/19/89	74.3	08/05/89	83.4	09/21/89	77.1
05/04/89	60.6	06/20/89	74.2	08/06/89	81.9	09/22/89	76.5
05/05/89	59.8	06/21/89	76.5	08/07/89	79.7	09/23/89	72.6
05/06/89	58.0	06/22/89	78.9	08/08/89	79.9	09/24/89	73.2
05/07/89	58.7	06/23/89	79.5	08/09/89	79.1	09/25/89	73.1
05/08/89	58.5	06/24/89	81.8	08/10/89	80.3	09/26/89	71.2
05/09/89	57.7	06/25/89	81.7	08/11/89	80.6	09/27/89	70.9
05/10/89	57.4	06/26/89	83.7	08/12/89	81.0	09/28/89	71.8
05/11/89	57.6	06/27/89	83.9	08/13/89	82.7	09/29/89	70.8
05/12/89	58.7	06/28/89	85.4	08/14/89	83.5	09/30/89	72.0
05/13/89	60.0	06/29/89	80.0	08/15/89	84.7	10/01/89	72.5
05/14/89	60.0	06/30/89	79.7	08/16/89	83.9	10/02/89	71.4
05/15/89	60.6	07/01/89	80.3	08/17/89	82.4	10/03/89	70.9
05/16/89	61.7	07/02/89	80.5	08/18/89	81.8	10/04/89	71.0
05/17/89	61.6	07/03/89	78.9	08/19/89	82.4		

Table 4. Summary of sampling efforts for Naegleria fowleri from 1983 - 1989 for Clinton Lake, Clinton, Illinois.

Researcher	Dates	Number of Samples	Positives for <u>N. fowleri</u>	% Positive for <u>N. fowleri</u>
Dr. Tyndall	Aug 1983	82	0	0
Dr. Tyndall	Aug 1984	120	0	0
Dr. Wellings	Oct 1986	55	0	0
Dr. Wellings	Nov 1986	41	1	2.4
Dr. Huizinga	July - Oct 1986	123	1	0.8
Dr. Lewis	Aug 1987	58	0	0
Dr. Lewis	Oct 1987	55	0	0
Dr. Huizinga	April - Oct 1987	148	2	1.4
Dr. Huizinga	May - Dec 1988	400	21	5.3
Dr. Huizinga	June - Oct 1989	176	9	5.1



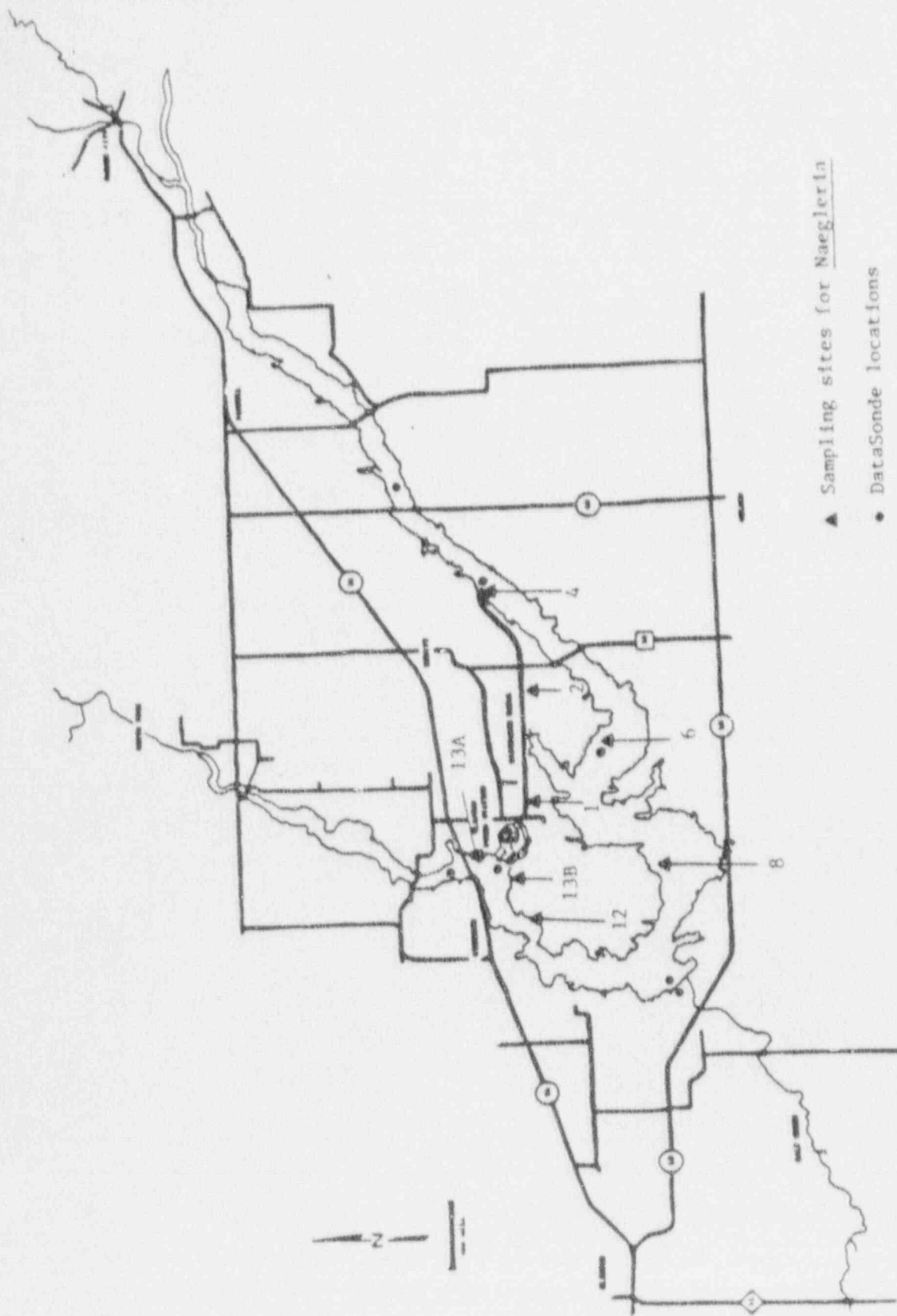


Figure 1. Sampling sites for 1989 *Naegleria fowleri* monitoring at Clinton Lake, Clinton, Illinois.

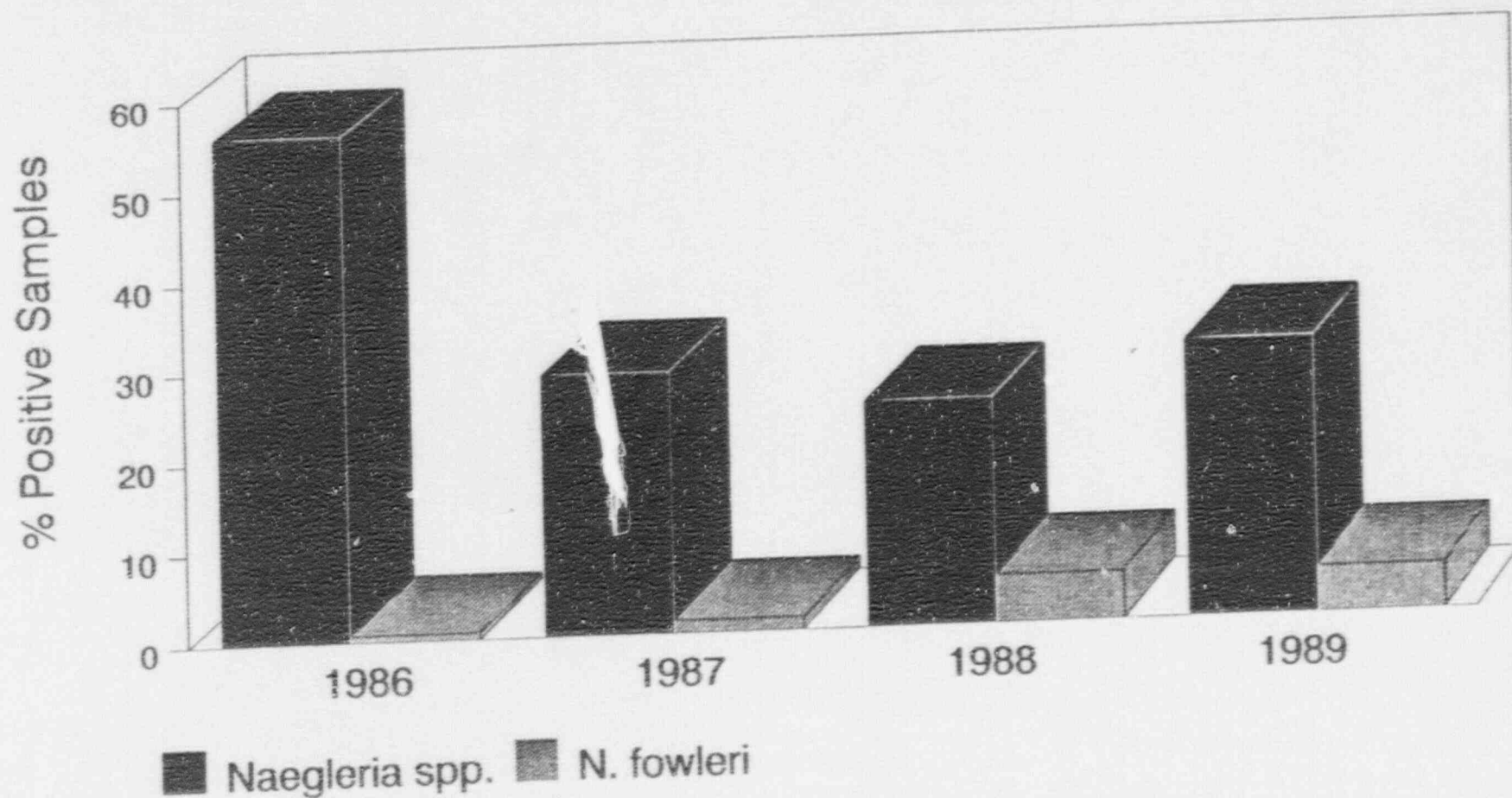


Figure 2. Percentage of samples positive for *Naegleria fowleri* and *Naegleria* species from Clinton Lake in 1986 - 1989.

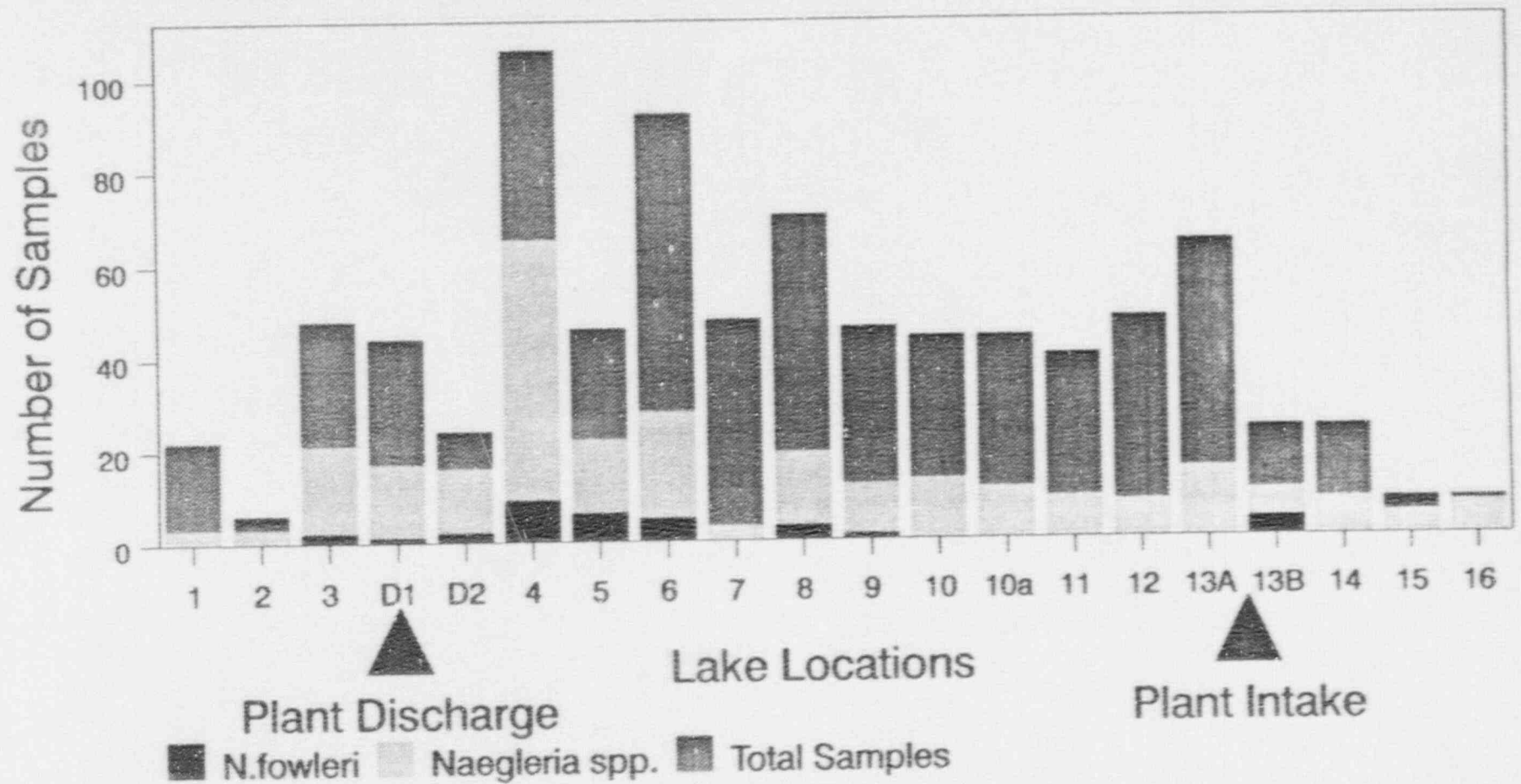


Figure 3. Number of samples positive for Naegleria fowleri and Naegleria species at each Clinton Lake site from 1986 - 1989.

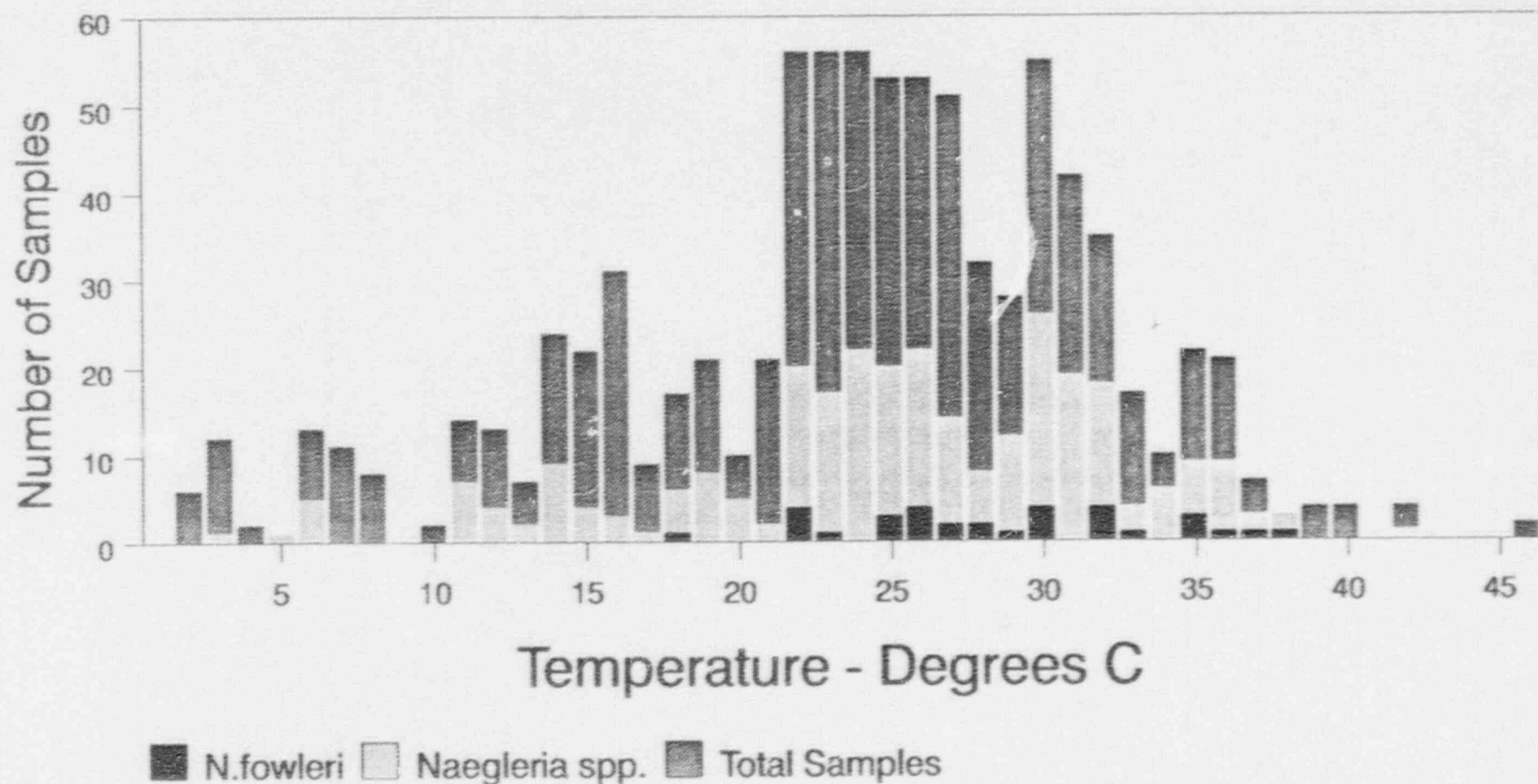


Figure 4. Number of positive samples for Naegleria fowleri and Naegleria species at each collection temperature for Clinton Lake 1986 - 1989.

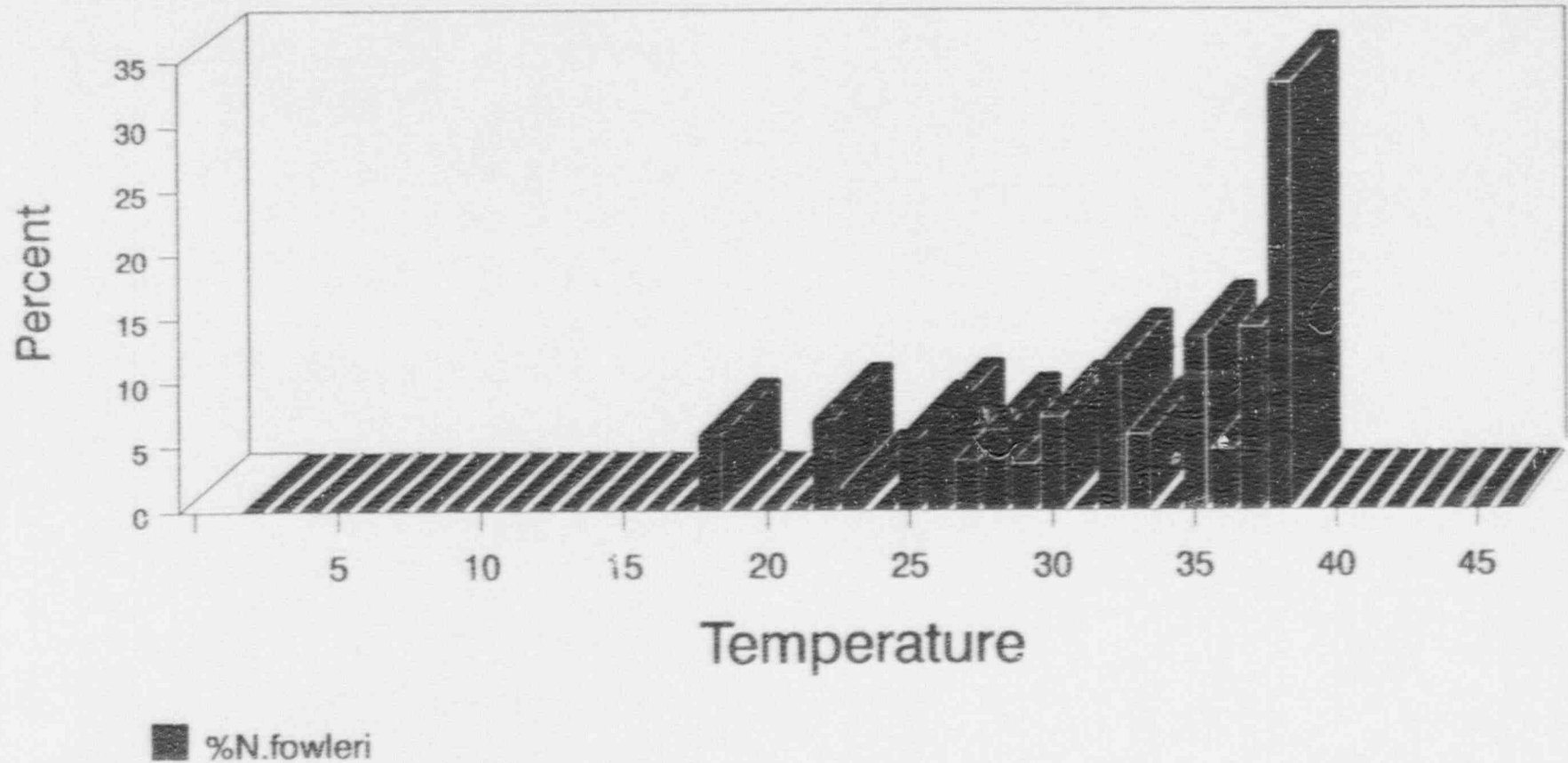


Figure 5. Percentage of samples positive for *Naegleria fowleri* at each collection temperature in Clinton Lake from 1986 - 1989.



Clinton Lake Water Temperatures

Mascoutin Beach 1990

Depth: .5m

Temperature Scale: ° Fahrenheit

DATE	Daily Mean	Weekly Mean
05/01/90	67.1	
05/02/90	68.9	
05/03/90	66.0	
05/04/90	63.4	
05/05/90	63.2	
05/06/90	68.1	56.1
05/07/90	68.0	
05/08/90	67.9	
05/09/90	67.0	
05/10/90	63.6	
05/11/90	64.9	
05/12/90	63.5	
05/13/90	62.3	65.3
05/14/90	62.5	
05/15/90	62.8	
05/16/90	63.3	
05/17/90	63.3	
05/18/90	64.2	
05/19/90	64.7	
05/20/90	64.9	63.7
05/21/90	63.7	
05/22/90	66.2	
05/23/90	67.7	
05/24/90	67.5	
05/25/90	67.8	
05/26/90	69.0	
05/27/90	69.8	67.4
05/28/90	69.0	
05/29/90	71.4	
05/30/90	71.1	
05/31/90	72.5	
06/01/90	71.6	
06/02/90	71.1	
06/03/90	70.3	71.0
06/04/90	72.4	
06/05/90	71.4	
06/06/90	72.1	
06/07/90	73.8	
06/08/90	75.0	
06/09/90	77.4	
06/10/90	79.8	74.6
06/11/90	78.5	
06/12/90	76.7	
06/13/90	78.1	
06/14/90	80.3	
06/15/90	80.8 *	

\* - mean for a portion of a day or week 1

Attachment B

Clinton Lake Mascoutin Beach Water Temperatures

(6/1/90 - 10/31/90)

0-601-000  
L71-91(01-08)  
8F.250

ILLINOIS POWER COMPANY



CLINTON POWER STATION, P.O. BOX 678, CLINTON, ILLINOIS 61727

January 8, 1991

M. Dave Antonacci  
Division of Environmental Health  
Ill. Dept. of Public Health  
535 W. Jefferson Street  
Springfield, IL 62761

Dear Mr. Antonacci:

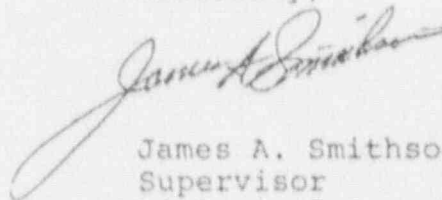
RE: Clinton Lake Temperature Data

Enclosed is a listing of 1990 May through October daily and weekly mean temperatures from the Clinton Lake Beach. These means are from hourly temperatures taken at a depth of one half meter.

We are working with Dr. Huizinga to compile the 1990 Naegleria survey results from Clinton Lake and will forward a copy to you when it is completed. The preliminary results indicate no major changes in Clinton Lake in 1990.

If you have any questions, please feel free to call me at (217) 424-6475.

Sincerely,



James A. Smithson  
Supervisor  
Biological Programs

JAS/gw

Clinton Lake Water Temperatures

Mascoutin Beach 1990

Depth: .5m

Temperature Scale: ° Fahrenheit

DATE	Daily Mean	Weekly Mean
05/01/90	67.1	
05/02/90	68.9	
05/03/90	66.0	
05/04/90	63.4	
05/05/90	63.2	
05/06/90	68.1	66.1
05/07/90	68.0	
05/08/90	67.9	
05/09/90	67.0	
05/10/90	63.6	
05/11/90	64.9	
05/12/90	63.5	
05/13/90	62.3	65.3
05/14/90	62.5	
05/15/90	62.8	
05/16/90	63.3	
05/17/90	63.3	
05/18/90	64.2	
05/19/90	64.7	
05/20/90	64.9	63.7
05/21/90	63.7	
05/22/90	66.2	
05/23/90	67.7	
05/24/90	67.5	
05/25/90	67.8	
05/26/90	69.0	
05/27/90	69.8	67.4
05/28/90	69.0	
05/29/90	71.4	
05/30/90	71.1	
05/31/90	72.5	
06/01/90	71.6	
06/02/90	71.1	
06/03/90	70.3	71.0
06/04/90	72.4	
06/05/90	71.4	
06/06/90	72.1	
06/07/90	73.8	
06/08/90	75.0	
06/09/90	77.4	
06/10/90	79.8	74.6
06/11/90	78.5	
06/12/90	76.7	
06/13/90	78.1	
06/14/90	80.3	
06/15/90	82.5	
06/16/90	82.8	
06/17/90	83.5	80.4

Clinton Lake Water Temperatures

Mascoutin Beach 1990

Depth: .5m

Temperature Scale: ° Fahrenheit

DATE	Daily Mean	Weekly Mean
06/18/90	82.3	
06/19/90	84.1	
06/20/90	79.1	
06/21/90	81.8	
06/22/90	80.2	
06/23/90	77.4	
06/24/90	79.6	80.6
06/25/90	80.2	
06/26/90	82.0	
06/27/90	85.6	
06/28/90	84.9	
06/29/90	82.3	
06/30/90	82.3	
07/01/90	83.2	83.0
07/02/90	83.6	
07/03/90	82.2	
07/04/90	83.7	
07/05/90	87.1	
07/06/90	84.6	
07/07/90	84.2	
07/08/90	84.6	84.3
07/09/90	85.8	
07/10/90	86.8	
07/11/90	84.3	
07/12/90	80.2	
07/13/90	77.3	
07/14/90	75.8	
07/15/90	74.8	80.7
07/16/90	75.5	
07/17/90	76.2	
07/18/90	78.4	
07/19/90	79.5	
07/20/90	80.3	
07/21/90	79.8	
07/22/90	77.5	78.2
07/23/90	77.6	
07/24/90	79.9	
07/25/90	79.8	
07/26/90	78.8	
07/27/90	78.9	
07/28/90	79.7	
07/29/90	80.8	79.4
07/30/90	81.8	
07/31/90	82.0	
08/01/90	83.0	
08/02/90	83.1	
08/03/90	82.0	
08/04/90	83.5	



Clinton Lake Water Temperatures

Mascoutin Beach 1990

Depth: .5m

Temperature Scale: ° Fahrenheit

	<u>Daily</u>	<u>Weekly</u>
DATE	Mean	Mean
08/05/90	84.5	82.9
08/06/90	82.2	
08/07/90	82.4	
08/08/90	83.1	
08/09/90	83.2	
08/10/90	82.7	
08/11/90	84.2	
08/12/90	82.8	83.0
08/13/90	81.4	
08/14/90	83.5	
08/15/90	82.8	
08/16/90	83.3	
08/17/90	83.7	
08/18/90	85.0	
08/19/90	87.2	83.9
08/20/90	86.2	
08/21/90	84.4	
08/22/90	83.4	
08/23/90	84.0	
08/24/90	84.2	
08/25/90	83.7	
08/26/90	84.8	84.4
08/27/90	87.0	
08/28/90	87.0	
08/29/90	87.6	
08/30/90	86.9	
08/31/90	85.7	
09/01/90	84.8	
09/02/90	85.6	86.4
09/03/90	85.4	
09/04/90	86.7	
09/05/90	87.3	
09/06/90	88.6	
09/07/90	86.7	
09/08/90	85.1	
09/09/90	85.0	86.4
09/10/90	84.8	
09/11/90	84.1	
09/12/90	84.6	
09/13/90	84.1	
09/14/90	81.3	
09/15/90	80.9	
09/16/90	79.3	82.7
09/17/90	78.2	
09/18/90	77.9	
09/19/90	75.8	
09/20/90	77.5	
09/21/90	76.0	

Clinton Lake Water Temperatures

Mascoutin Beach 1990

Depth: .5m

Temperature Scale: ° Fahrenheit

DATE	<u>Daily</u> Mean	<u>Weekly</u> Mean
09/22/90	72.5	
09/23/90	70.4	75.5
09/24/90	70.7	
09/25/90	71.2	
09/26/90	72.5	
09/27/90	74.8	
09/28/90	73.3	
09/29/90	71.8	
09/30/90	71.9	72.3
10/01/90	72.4	
10/02/90	72.2	
10/03/90	71.4	
10/04/90	69.4	
10/05/90	70.3	
10/06/90	70.6	
10/07/90	69.5	70.8
10/08/90	69.2	
10/09/90	67.0	
10/10/90	65.3	
10/11/90	65.7	
10/12/90	64.3	
10/13/90	65.2	
10/14/90	63.3	65.7
10/15/90	62.3	
10/16/90	62.6	
10/17/90	62.4	
10/18/90	59.6	
10/19/90	57.8	
10/20/90	56.8	
10/21/90	56.6	59.7
10/22/90	56.4	
10/23/90	56.9	
10/24/90	55.9	
10/25/90	55.0	
10/26/90	54.9	
10/27/90	54.4	
10/28/90	53.8	55.3
10/29/90	53.3	
10/30/90	53.7	
10/31/90	54.8	53.9 *

\* - mean for a portion of a day or week 4

Attachment C

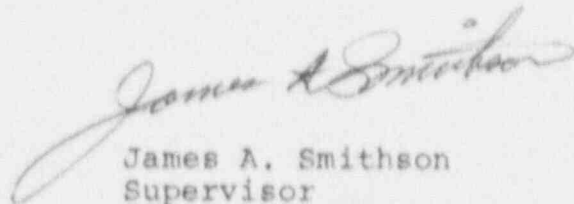
Clinton Lake Sedimentation Survey

Manager-Licensing & Safety  
V-920

October 26, 1990

RE: Clinton Lake Sedimentation Survey

Attached are the results of the Clinton Lake sedimentation survey for 1990. Annual surveys are required by the CPS Environmental Report - Operating License Stage (Section 6.1.6.8.7). This survey was conducted by EAD-Biological Programs personnel according to Procedure EAD-FB8-1, Rev. 1 on October 19, 1990. Attachments include survey forms and sonar graph recordings conducted along north-south transects adjacent to the Parnell Road Bridge and the DeWitt County Highway 15 Bridge. Two replicate recordings were determined at each bridge.

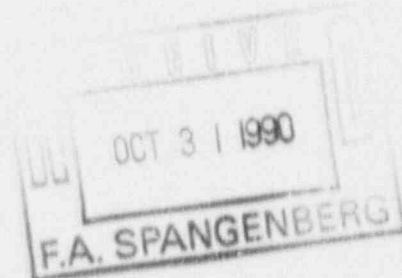


James A. Smithson  
Supervisor  
Biological Programs

JAS/gw

Attachments

cc: Supervisor, Civil Structural, V-920  
J. L. Robinson/R. C. Thomas, A-17  
FBL File, T-33



Clinton Lake Sedimentation Survey Form

Location Parnell Bridge Date 10-19-70

Height of Elevation Pin Above Water 17 in.

Depth of Fathometer Transducer Below Surface 8.1 m.

Fathometer Settings

Elapsed Time of 1st Recording 1 min. 19 sec.

Paper speed max.

Elapsed Time of 2nd Recording 1 min. 19 sec.

Sensitivity 6

Suppression off

Gray Line 6

Surface Clutter Suppression 2

Pulse Width 50

Lower Depth Limit 10 ft.

Comments:

Approx. 50% cloud cover

Wind S 0-5 mph

12:10 pm

Persons Conducting Survey:

Ronald L. Williams  
M. Stephen Palle



Clinton Lake Sedimentation Survey Form

Location Dewitt Bridge Date 10-19-90

Height of Elevation Pin Above Water 19.5 in.

Depth of Fathometer Transducer Below Surface 8 in.

Fathometer Settings

Elapsed Time of 1st Recording 1 min. 5 sec.

Paper speed max

Elapsed Time of 2nd Recording 1 min. 5 sec.

Sensitivity 6

Suppression off

Gray Line 6

Surface Clutter Suppression 2

Pulse Width 50

Lower Depth Limit 30 ft.

Comments:

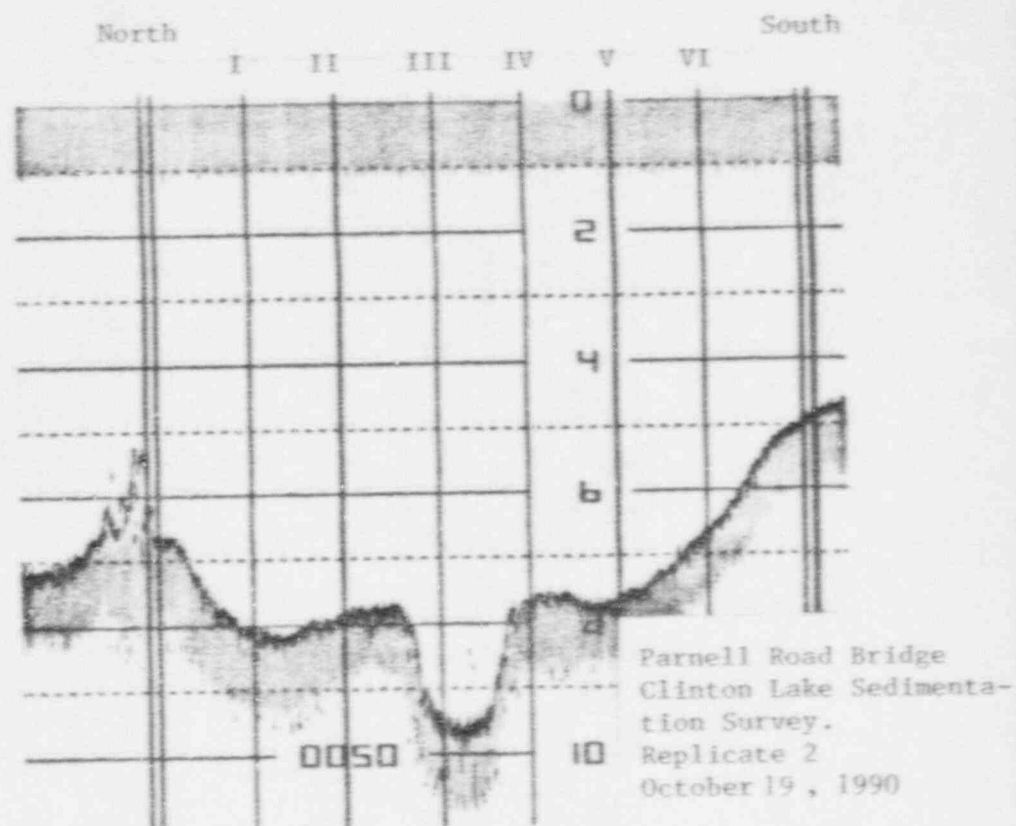
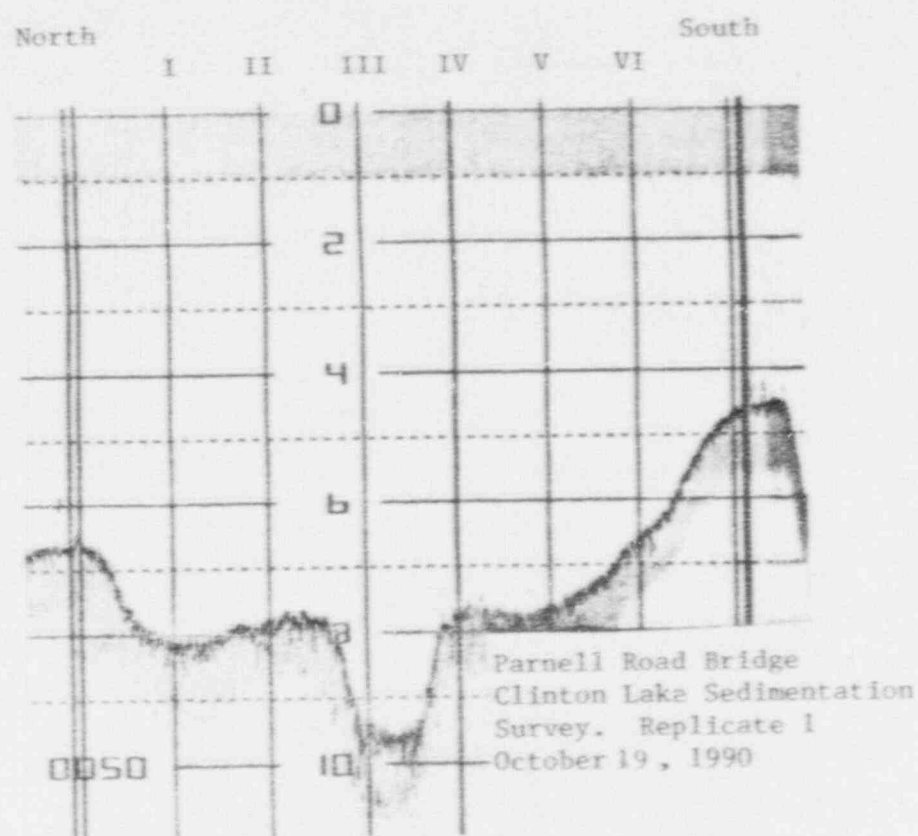
Approx. 50% cloud cover

Wind S 0-5 mph

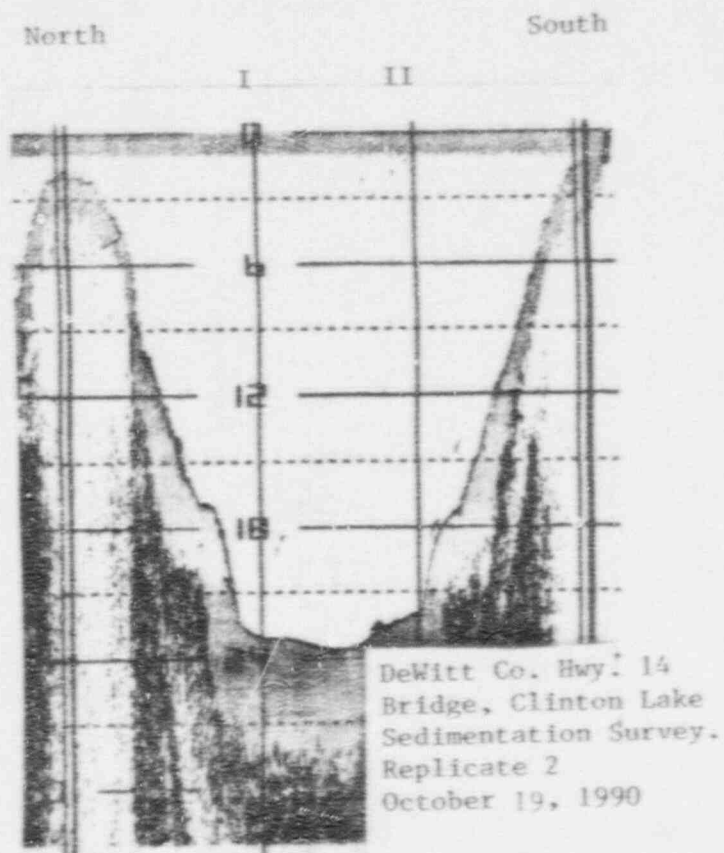
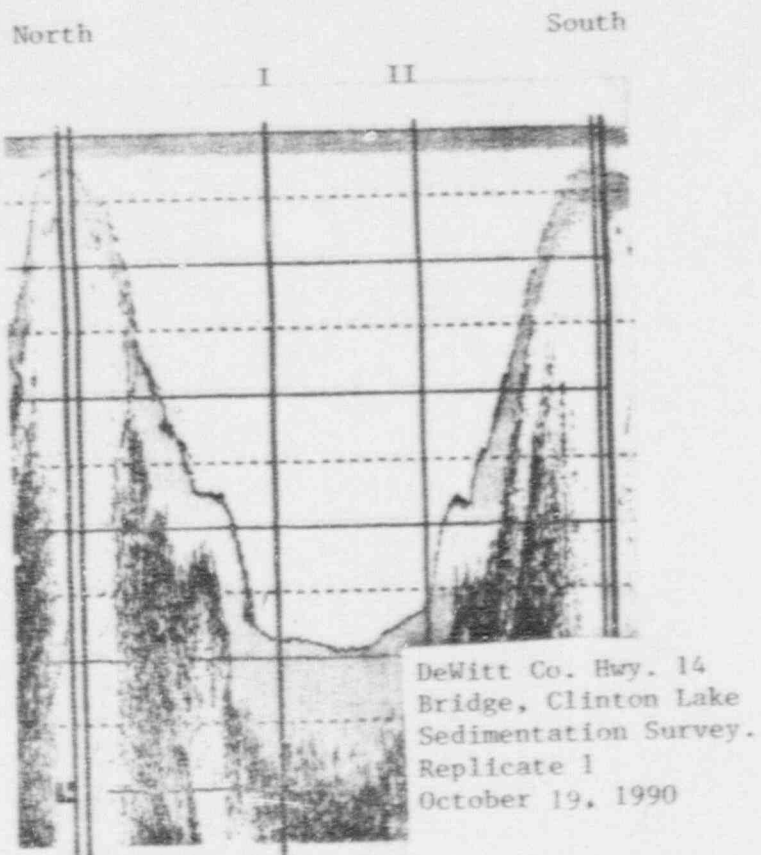
11:30 AM

Persons Conducting Survey:

Ronald L. Williams  
M. Stephen Pallas



Clinton Lake Sedimentation Survey at Parnell Road Bridge on October 19, 1990.  
Double vertical lines indicate positions at north and south shorelines under the bridge.  
Singel vertical lines indicate piling locations; pilings are labeled at top of graphs  
by Roman numerals.  
Depth range was set at 0-10 feet.



Clinton Lake Sedimentation Survey at DeWitt County Highway 14 Bridge on October 19, 1990.  
Double vertical lines indicate north and south shorelines under the bridge.  
Single vertical lines indicate position of supporting piers. Piers are labeled by Roman numerals.  
Depth range was set at 0-30 feet.

Attachment D

Phase I Archaeological Reconnaissance

ILLINOIS POWER COMPANY



500 SOUTH 27TH STREET, DECATUR, ILLINOIS 62525-1805

0-600885  
L61-90(04-02)-LP  
1A.110

April 2, 1990

Mr. John Betker  
U.S. Army Corps of Engineers  
Rock Island District  
Clock Tower Building  
P.O. Box 2004  
Rock Island, Illinois 61204-2004

Dear Mr. Betker:

Clinton Power Station  
Ultimate Heat Sink Dredging Project

Enclosed is Illinois State Museum's report regarding the Phase I reconnaissance of the Dredge Disposal Facility site. They propose additional work on seven of thirty-nine documented sites.

Illinois Power Company would like to perform the additional required work during construction if that is agreeable with the Illinois Historic Preservation Agency and the Corps of Engineers.

Should you have any further questions regarding this project please contact me at 217/424-6592.

H. E. Chamblin

HEC:cls

cc: Ms. Paula Cross - Illinois Historic Preservation Agency



bc: F. A. Spangenberg - V-920

W. Illiff - V-920

F. Schwarz - V-928B

M. Ehalt - V-928B

J. A. Smithson/M. S. Pallo - T-33

J. L. Robinson/R. C. Thomas/T. L. Davis/L. A. Cusack/R. L. Cruse/

T. V. Clevenger/CL Corps & IDOT Binder-UHS - A-17

## ARCHAEOLOGICAL SURVEY SHORT REPORT

Illinois Historic Preservation Agency  
Old State Capitol Bldg., Springfield, IL 62701  
(217) 785-4997

Reviewer \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_ Accepted \_\_\_\_ Rejected

IHPA use only (Form ASSR0886)

### LOCATIONAL INFORMATION AND SURVEY CONDITIONS

County: DeWitt

Quadrangle: DeWitt 7.5'

Project type/title: Phase 1 Cultural Resource Assessment of Dredging Operations at the Clinton Power Station, IHPA number 90010505, Corps of Engineers Permit number CENCR-OD-S-.8837Z

Responsible federal/state agencies: Illinois Environmental Protection Agency; U. S. Army Corps of Engineers

Legal location: (1/4s) NW 1/4; SE 1/4 Sec. 27 T. 20N R. 3E

SW 1/4; SE 1/4 Sec. 27 T. 20N R. 3E

NW 1/4; NE 1/4 Sec. 34 T. 20N R. 3E

NE 1/4; NW 1/4 Sec. 34 T. 20N R. 3E

(Plus an extension south of this 1/4-1/4 section)

SE 1/4; SW 1/4 Sec. 27 T. 20N R. 3E

NE 1/4; SW 1/4 Sec. 27 T. 20N R. 3E

### U.T.M. PROJECT AREA:

NE corner: N 4447360 / E 342830 (Zone 16)

SE corner: N 4446160 / E 342800

SE corner: N 4446120 / E 342080

NW corner: N 4447360 / E 342110

**Project description:** The project area includes approximately 220 acres (89.06 ha) of cultivated ground southwest of the Clinton Power Station in DeWitt County. It is the proposed site of a Dredge Disposal Facility for the Ultimate Heat Sink of the power plant. Construction will also include an outflow channel extending south into a small draw (see attached map). The affected ground is a rectangular area in six contiguous 1/4-1/4 sections in Sections 27 and 34; T20N R3E. It is divided into seven fields (A-G).

**Topography:** Minimally dissected uplands with occasional low rises or knolls. Poor drainage with some prairie potholes in the northeast part of the project area. Small draws are present south and northwest of the project area.

**(Soils)** Mainly Birkbeck silt loam, with significant minor representation of Keomah silt loam, Rozetta silt loam, and Sable silty clay loam.

**Drainage:** Includes the divide area between Salt Creek (south) and North Fork (northwest)

**Land use/ground cover (include % visibility):** The entire project area is cultivated. Ground surface visibility is 10 to 90%, except the southern end of the outflow channel. This area is in pasture. Its ground surface visibility is less than 10%.

**Survey limitations:** Fields were not fall plowed. Puddled sediments and crop stubble obscured the ground surface. Crop rows had higher visibility.

## ARCHAEOLOGICAL AND HISTORICAL INFORMATION

### Historic plats/atlas/sources:

Warner and Beers

1875 Atlas of DeWitt County and the State of Illinois. Warner and Beers, Publishers. Chicago.

George A. Ogle and Co.

1915 Standard Atlas of DeWitt County, Illinois. George A. Ogle and Co., Chicago.

Sidwell and Hixson

1945 Plat Book of DeWitt County, Illinois. Joe Sidwell Company. Chicago.

**Previously reported sites:** None in project area. Nineteen sites in adjacent 1/4-1/4 sections.

**Previous surveys:** S. Lewis 1973

**Regional Arch. contacted:** Illinois State Museum/IAS site files

**Investigation techniques:** Pedestrian walkover at 10-16 m intervals in cultivated areas. I took advantage of rows with higher ground visibility. Upon discovery of an artifact, intervals were reduced to 2 - 5 m to determine if it was an isolated find or part of a larger assemblage, in which case site limits were determined. I collected all visible objects except unmodified rock and fire-cracked rocks. On historical sites, the presence of brick, rock, concrete, and clinkers was noted, but they were not collected.

**Time expended:** 44 hours.

**Sites/find spots located:** Thirty-nine sites or isolated finds were identified and documented.

Attached sheets show the location of the project area, field numbers of sites/isolated finds, higher and better drained soils (hatched), and more detailed maps of individual fields walked. IAS site forms are attached for all field loci. Table 1 shows the correspondence between field locus numbers and Illinois State Museum site numbers.

**Cultural material:** See attached summary table and individual site forms. Seven sites yielded temporally diagnostic artifacts including: Locus 1 produced a Late Woodland point; Locus 10 an Early Archaic point; Locus 25 a Terminal Archaic Merom(?) point; Locus 27 a Late Woodland/Mississippian triangular point; Locus 28 a Middle Archaic side-notched point; and Locus 30 another Terminal Archaic Merom(?) point. Locus 39 consisted of an isolated Late Woodland/Mississippian point. Early Archaic Thebes/Dovetail cluster and Kirk-like points were collected by a local relic hunter (Les Trotter, DeWitt) from Locus 27.

Historical materials were recovered from Locus 3, 23, 26, and 34. Locus 3 is an unidentified scatter of whiteware, not associated with a habitation/household. Locus 23 corresponds to the location of a house on the 1875 and 1915 plat maps. The same is true for Locus 34. Locus 26 corresponds to the location of a school (No. 6) on the 1915 and 1945 plat maps.

A variety of non-diagnostic cultural debris, consisting mainly of flakes and cores, was recovered from the other sites. Locus 6 produced high densities of material, relative to all other prehistoric sites.

**(Curated at):** Illinois State Museum Research and Collections Center

**Collection techniques:** At prehistoric sites I collected all visible artifacts with the exception of unmodified rock and fire-cracked rock. I examined these objects in the field, but did not collection them. On historical sites, I collected a grab sample of ceramic, glass, and metal artifacts. Rock, brick, field tiles, concrete, clinkers and glass jar lids were noted but not collected.

**Area surveyed (acres & square meters):** Approximately 220 acres (89.06 ha)

**RESULTS OF INVESTIGATION AND RECOMMENDATIONS: (check one)**

- ☐ Phase I archaeological reconnaissance has located no archaeological material; project clearance is recommended.
- ☒ Phase I archaeological reconnaissance has located archaeological materials; site(s) does(do) not meet requirements for National Register eligibility; project clearance is recommended.
- ☒ Phase I archaeological reconnaissance has located archaeological materials; site(s) may meet requirements for National Register eligibility; further testing is recommended.
- ☐ Phase II archaeological investigation has indicated that site(s) does (do) not meet requirements for National Register eligibility; project clearance is recommended.
- ☐ Phase II archaeological investigation has indicated that site(s) meet requirements for National Register eligibility; formal report is pending and a determination of eligibility is recommended.

**COMMENTS:**

Sites near, but not affected by, construction should be clearly identified with stakes or surveyor flags and avoided.

I recommend additional examination of seven of the sites likely to be affected by construction.

Locus number	ISM site number	Reason
1	Dw-219A	Late Woodland diagnostic and other materials recovered. May be habitation site.
6	Dw-224A	High density of debris indicates possible habitation site, though no diagnostics were recovered.
10	Dw-228A	Early Archaic diagnostic and other materials recovered. Possible habitation site.
25	Dw-243A	Terminal Archaic diagnostic and other material recovered. Possible habitation site.
27	Dw-245A	Late Woodland/Mississippian and Early Archaic diagnostics and other materials recovered. Possible habitation site.
28	Dw-246A	Middle Archaic diagnostic and other materials recovered. Possible habitation site.
30	Dw-248A	Terminal Archaic diagnostic and other material recovered. Possible habitation site.

I recommend the following procedures for further investigation 1) discing site surfaces and 2) collection of all artifacts under favorable conditions, preferably after a rainfall, and 3) the plowzone should be removed mechanically from each site to expose any intact sub-plowzone features. We will map and excavate features.

I recommend no further work for the remaining prehistoric sites.

The historical habitation sites are not significant in terms of regional research, and no standing architecture was observed. The school site (Locus 26) is interesting, but the artifact density is very low and no architecture is extant. In addition, its use is apparently confined to the 20th century. The rest of the sites consist of very low density scatters of prehistoric or historic debris, or isolated prehistoric finds. Their contribution to regional or national research questions would be minimal.

**CONTRACTOR INFORMATION:**

Arch. contractor: Illinois State Museum Society (Steven R. Ahler)

Address/phone: (217) 785-5996

Surveyor(s): Steven R. Ahler

Survey Date(s): 6 March 1990 through 13 March 1990

Report completed by: Ahler

Date: 21 March 1990

Submitted by (signature and title):



Research Associate

**ATTACHMENT CHECK LIST: (#1 through #4 are MANDATORY)**

- ☒ 1) Relevant portion of USGS 7.5' topographic quadrangle map(s) showing project location and any recorded sites;
- ☒ 2) Project map(s) depicting survey limits and, when applicable, approximate site limits and concentrations of cultural materials;
- ☒ 3) Site form(s): (two copies of each form);
- ☒ 4) All relevant project correspondence;
- ☒ 5) Additional information sheets as necessary.

Address of contracting agency to whom SHPO comment should be mailed:

Mr. H. E. Chamblin  
Environmental Assistant  
Illinois Power  
500 South 27th Street  
P. O. Box 511  
Decatur IL 62525-1805



Reviewers Comments:

Table 1. Tabulation of artifacts from Clinton Power Station Ultimate Heat Sink Dredging Project, Phase I Reconnaissance.

FIELD No. (ISM No.)	MATERIAL RECOVERED
Locus 1 (Dw-219A)	1 Koster-like flake point 16 rocks/FCR--discarded 9 flakes 3 chert till pieces 2 cores 1 historic crockery fragment
Locus 2 (Dw-220A)	1 Center-pitted cobble
Locus 3 (Dw-221A)	1 flake 2 Historic whiteware ceramics
Locus 4 (Dw-222A)	1 flake
Locus 5 (Dw-223A)	2 flakes 1 core 2 rocks (discarded; not modified)
Locus 6 (Dw-224A)	22 flakes 5 Center-pitted cobbles 6 cores 1 Hammerstone 2 scrapers 10 rocks (discarded; not modified) 2 historic crockery pieces (20th century)
Locus 7 (Dw-225A)	2 flakes 1 core 1 center-pitted cobble 6 rocks (discarded; not modified)
Locus 8 (Dw-226A)	2 cores 1 possible hammerstone 1 piece chert till
Locus 9 (Dw-227A)	2 flakes 1 rock discarded (not modified)
Locus 10 (Dw-228A)	1 Early Archaic Kirk-like point 17 flakes 2 thin biface fragments 6 rocks discarded (not modified)

Locus 11 (Dw-229A)	1 flake; 1 scraper
Locus 12 (Dw-230A)	1 flake 2 cores 2 rocks discarded (not modified)
Locus 13 (Dw-231A)	6 flakes 1 core 1 center-pitted cobble 11 rocks discarded (not modified)
Locus 14 (Dw-232A)	2 flakes 1 thick biface fragment
Locus 15 (Dw-233A)	2 cores 2 rocks discarded (not modified)
Locus 16 (Dw-234A)	1 flake 1 rock discarded (not modified)
Locus 17 (Dw-235A)	1 center-pitted cobble
Locus 18 (Dw-236A)	1 hammerstone
Locus 19 (Dw-237A)	1 flake (may be till, non-cultural)
Locus 20 (Dw-238A)	1 flake
Locus 21 (Dw-239A)	3 flakes 1 hammerstone 3 cores 2 pieces chert till 1 center-pitted cobble 1 rock discarded (not modified)
Locus 22 (Dw-240A)	1 flake
Locus 23 (Dw-241A)	9 white glass; 3 green glass bottle bases, one made in snap case mold; 1 cobalt blue, 2 amethyst, and 2 green glass blown bottle necks; 1 pressed white glass; 1 pink glass; 13 green glass; 1 clear pressed glass; 5 amethyst glass; 1 inlaid glass; 11 salt glazed crockery; 32 plain crockery; 44 whiteware (3 with decals, 1 hand-painted, 2 Royal Ironstone with Alfred Meakin England mark); 9 jar lids; 1 double-bitted axe frag; 2 electric fence insulators; 11 flakes, 1 core; 1 scraper
Locus 24 (Dw-242A)	7 flakes 1 chert till 1 rock discarded (not modified)
Locus 25 (Dw-243A)	11 flakes; 1 core 1 thick biface fragment

- 1 Terminal Archaic Merom/Trimble like point
- Locus 26 (Dw-244A) 2 white pressed or molded glass; 1 clear pressed glass; 1 clear bottle glass; 1 bottle base; 2 stoneware crockery; 5 plain whiteware; 1 hand-painted whiteware; 1 decal whiteware; 2 mussel shells; 3 glazed brick tiles
- Locus 27 (Dw-245A) 5 flakes  
1 LW/Miss triangular point  
1 core  
1 scraper  
2 chert till pieces  
Kirk-like Early Archaic point and Thebes/Dovetail Early Archaic point found on site by Les Trotter (DeWitt). Examined by Ahler and site location confirmed in field.
- Locus 28 (Dw-246A) 1 flake  
1 Middle Archaic side-notched point  
1 chert till piece
- Locus 29 (Dw-247A) 7 flakes  
1 core
- Locus 30 (Dw-248A) 4 flakes  
1 Terminal Archaic Merom/Trimble point
- Locus 31 (Dw-249A) 1 thin biface fragment
- Locus 32 (Dw-250A) 1 thick biface fragment  
6 flakes  
1 core  
1 rock discarded (not modified)
- Locus 33 (Dw-251A) 2 flakes  
1 core
- Locus 34 (Dw-252A) 12 flakes; 1 core; 1 perforator; 4 rocks discarded; 35 flat glass; 49 bottle glass (4 clear, 2 amber, 24 green, 13 amethyst, 6 white); 2 miscellaneous glass; 5 blown bottle necks (2 green, 3 amethyst); 3 screw jar necks; 5 bottle bases (4 green, one amethyst); 89 stoneware crockery; 1 piece blue slip crockery; 143 whiteware/earthenware (112 plain, 18 with decals, 11 hand-painted, 1 sponge pattern, 1 "Flown Blue"); 1 yellow earthenware; 1 porcelain; 1 probable porcelain doll fragment; 15 glass jar lids; 1 wagon (?) hub; 1 spoon; 1 metal button backing; 1 glass button; 1 plastic button; 1 mother-of-pearl button; 5 mussel shells; 1 cut bone; 1 pig tooth
- Locus 35 (Dw-253A) 3 flakes  
1 center-pitted cobble  
1 glazed historic tile/brick

Locus 36 (Dw-254A)	3 flakes 1 hammerstone 2 rocks discarded (not modified)
Locus 37 (Dw-255A)	1 flake
Locus 38 (Dw-256A)	1 flake
Locus 39 (Dw-257A)	1 triangular flake point, un-notched

---

# ILLINOIS POWER SURVEY FIELDS AND AREAS EXAMINED

N  
↑

100 M

UTM'S (zone 16)

ROAD (250M)

NORTH POST = N 4447360  
E 342470

NORTH  
POST

FIELD  
(G)

FIELD  
(A)

(CENTER) = N 4446960  
E 342470

CENTER  
POST

FIELD  
(F)

FIELD  
(B)

SOUTH POST =  
N 4446560  
E 342470

SOUTH  
POST

FIELD  
(E)

FIELD  
(D)

FIELD  
(C)

X = N 4446160  
E 342460

ROAD (150M)

UPPER BOUNDARY

SOUTH  
POST

0.714/0.000



# FIELD (A) - ILLINOIS POWER SURVEY

100m



① = Loc. #

L = Light Brown Soil

M = Medium Brown Soil

D = Dark Brown Soil / low areas

② = Rock concentration - not collected

NW 1/4 SE 1/4

SECTION 27

T20N R3E

ROAD (750N)

NORTH POST

1/4 SECTION DME

NE GRADE  
UPPER  
1" AND

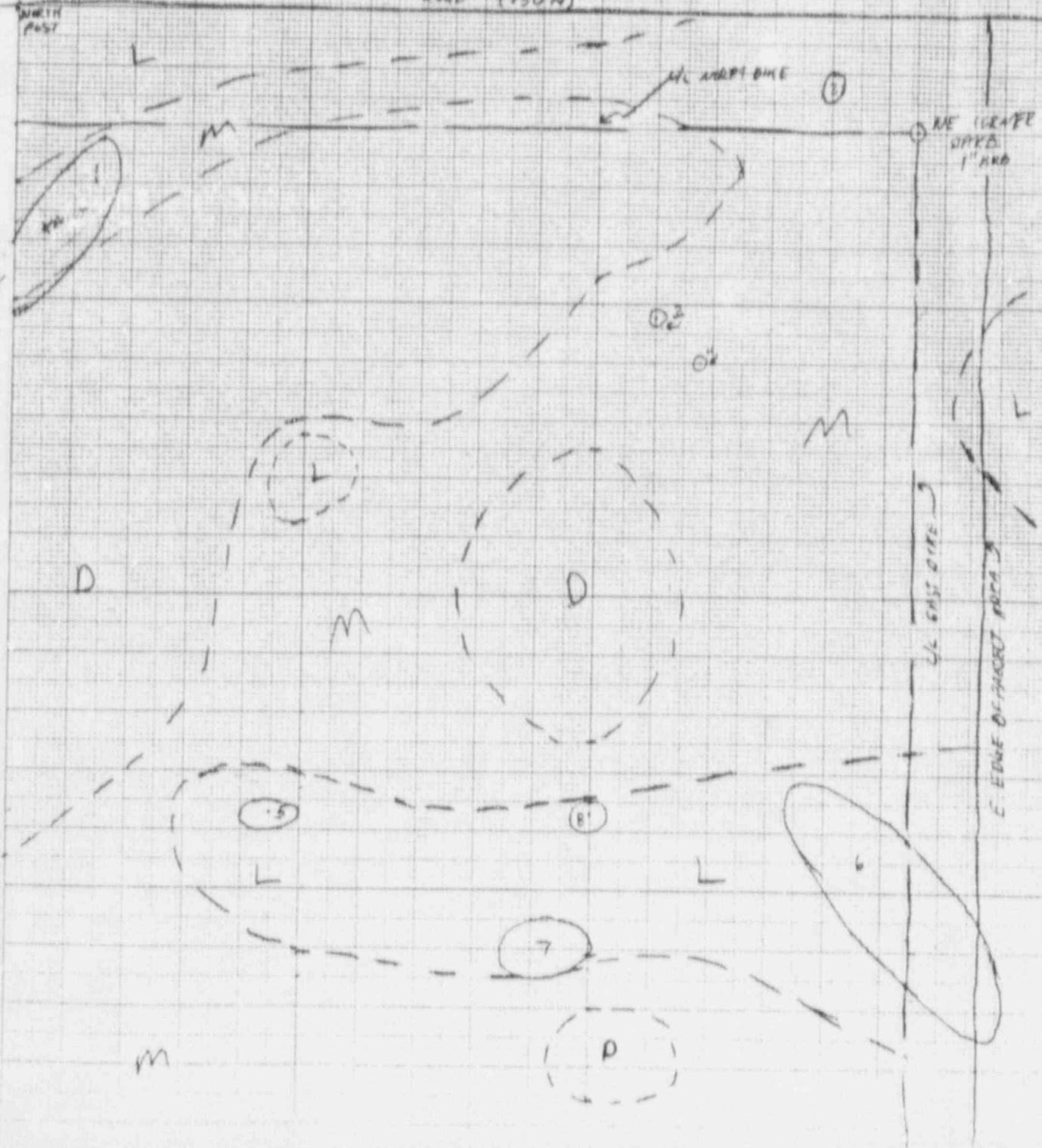
1/4 EAST DME

E. EDGE OF TRACT AREA

DIETZGEN CORPORATION  
MADE IN U.S.A.

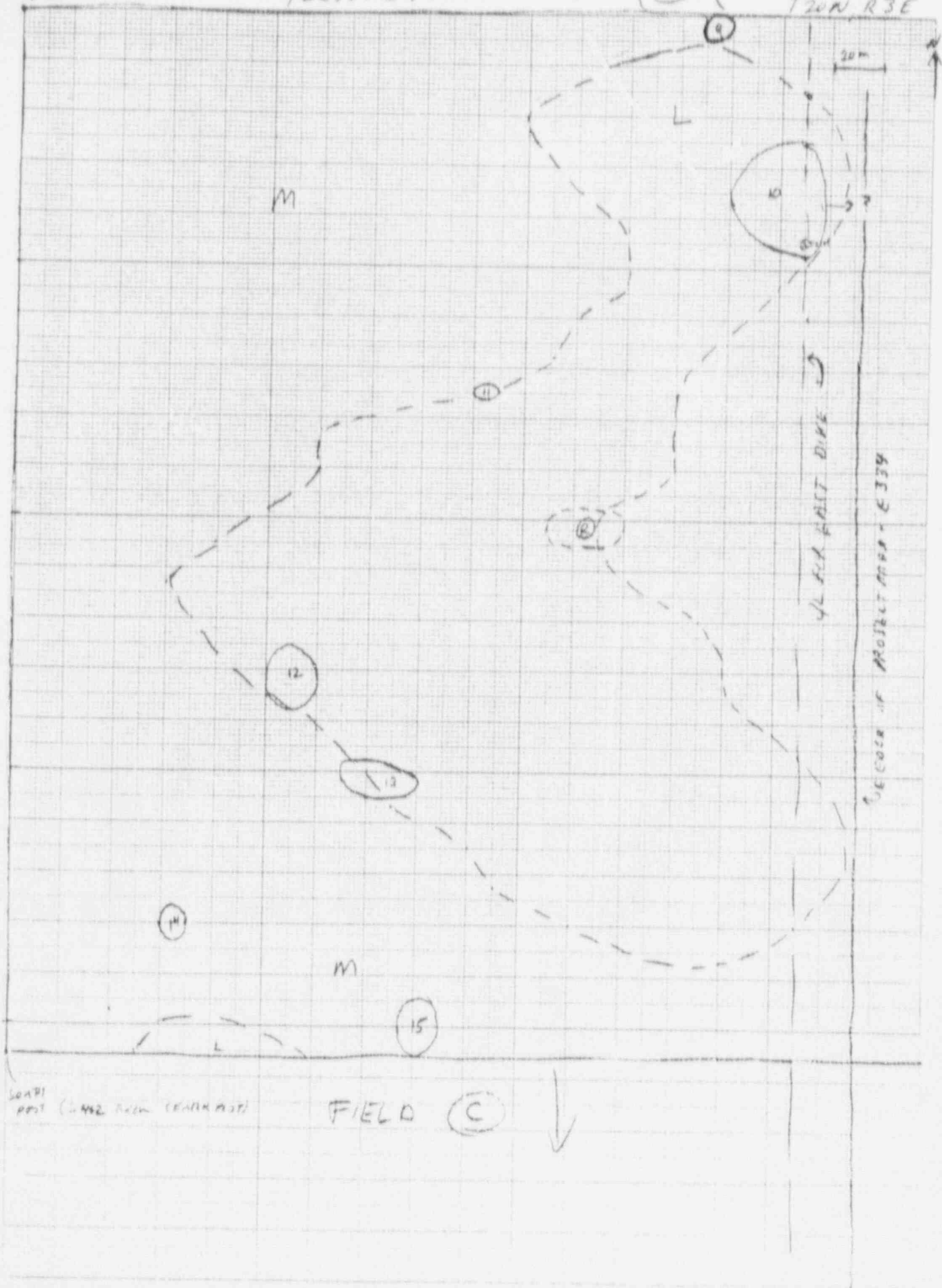
ND 340-M DIETZGEN GRAPH PAPER  
MILLIMETER

Field 6



LEVER POST

ILLINOIS POWER- FIELD (B) (SW 1/4 SE 1/4, Section 27, T20N, R3E)



# ILLINOIS POWER - FIELD (C) <sup>N</sup> ↑

(NW 1/4 & NE 1/4 of Section 34,  
T20N/R3W)

(FIELD B)

WATER PLOT

20m

FIELD D

1/4 OF EAST DIRT

E. EDGE OF PROPERTY AREA

LOW & FLAT

M

1/4 OF SOUTH DIRT

E. EDGE OF PROPERTY AREA

NE 1/4 of Section 34 at 5462 from north

ILLINOIS POWER - FIELD ①

1/2 NE 1/4 NW 1/4  
SECTION 34, T20N/R3E

FIELD F

FIELD B

③

SOUTH ROST

FIELD C

③

FIELD E

0.015

27

L

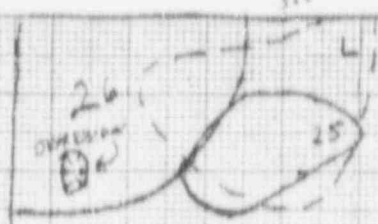
73



# ILLINOIS POWER - FIELD E

N  
↑

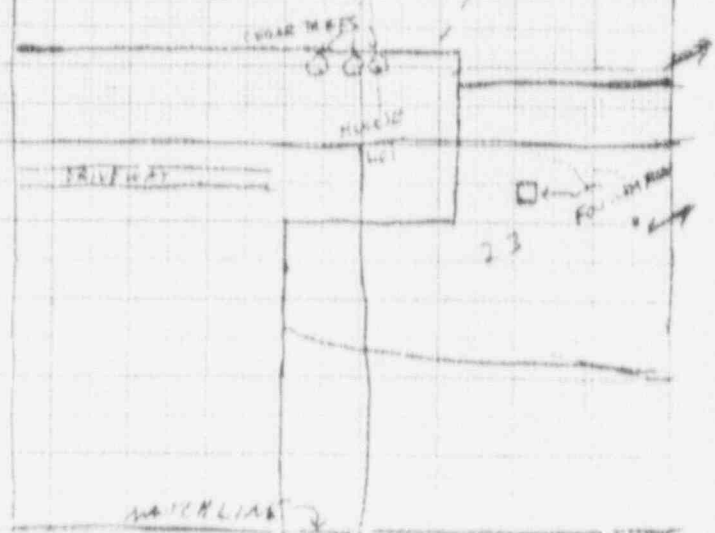
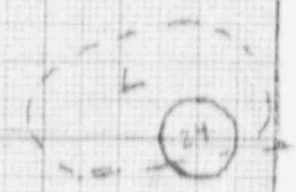
W 1/2 NE 1/4 NW 1/4  
Section 34,  
T20N/R3E



M

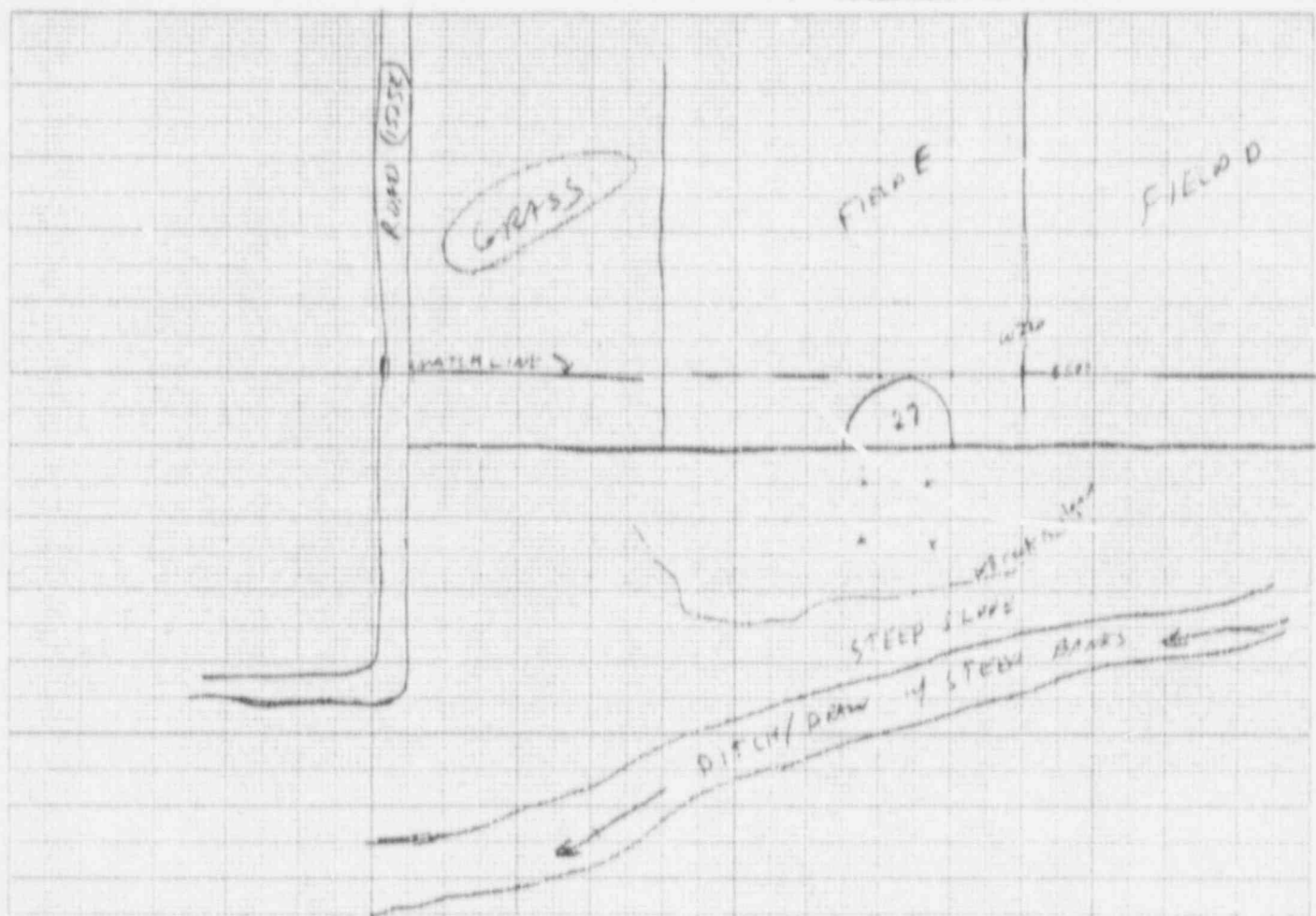
ROAD (15250)

M



WATER LINE

# ILL NOIS POWER - FIELD E SOUTH EXTENSION



$$14.7/200 = 4\%$$

X = Slope - 100 = None positive



ILLINOIS PUMP FIELD (F)



SEK of SLO Y4  
SECTION 27, T26N/R30E

200

FIELD G

W205

W205

W205

W205

100' 100' 100'

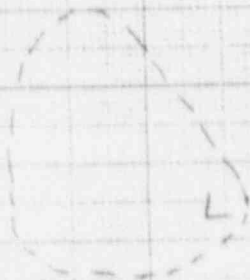
M



ROAD (1525E)

(20)

R



29

M

20

FIELD E


DITZEN CORPORATION  
MADE IN U.S.A.

300-300-300 DITZEN (GRAPH) PAPER  
ENLARGED

# ILLINOIS POWER FIELD (G)

NE 1/4 SW 1/4 of  
Section 27, T20N/R3E

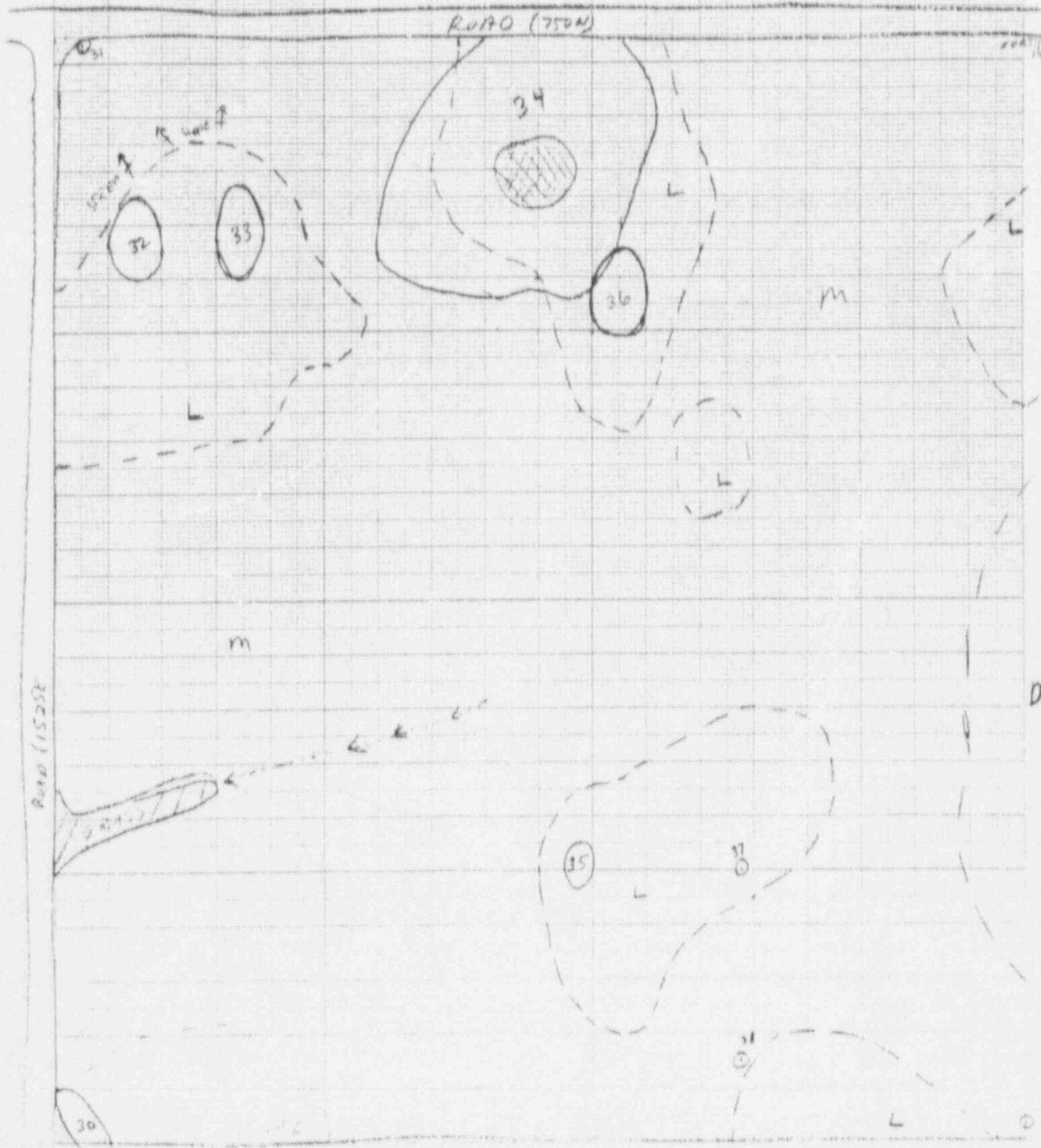


 = HEAVY CONCENTRATION  
OF ARTIFACTS

20m

DIETZEN CORPORATION  
MADE IN U.S.A.

100% DIETZEN GRAPH PAPER  
50% RECYCLED



D.W.H.  
(1979)

7.5'

contour

Project Area



and

Fields

walked

(A) - (G)

1:270,000

FEET

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446



40°07'30"

88°52'30"

350,000 FEET

42

43

50

44

IMARCAI  
3264 31 5W

Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1973. Field checked 1975-1978. Map edited 1979

Projection and 10,000-foot grid ticks: Illinois coordinate system, east zone (transverse Mercator)

1000-meter Universal Transverse Mercator grid, zone 16



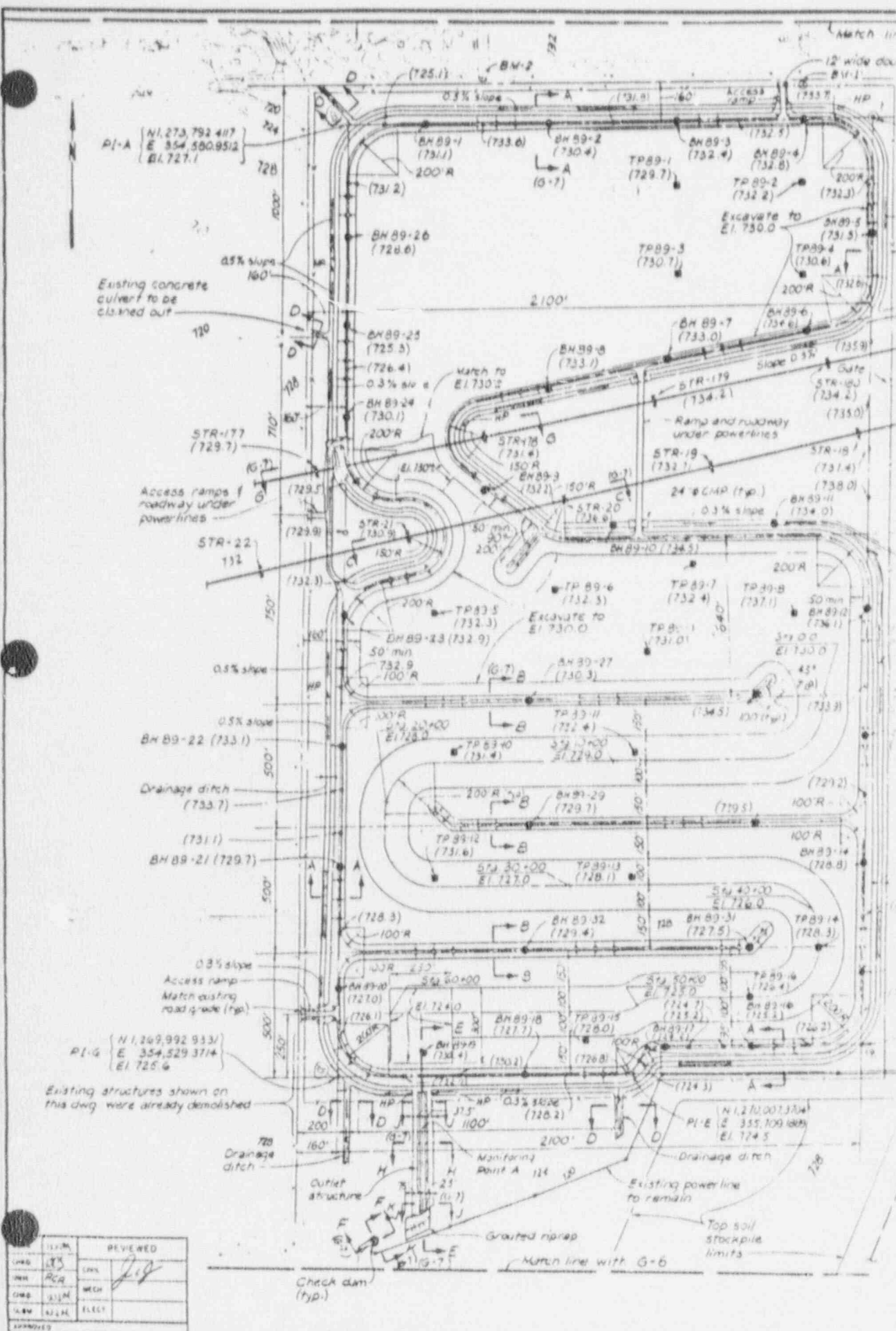
## ILLINOIS POWER SURVEY

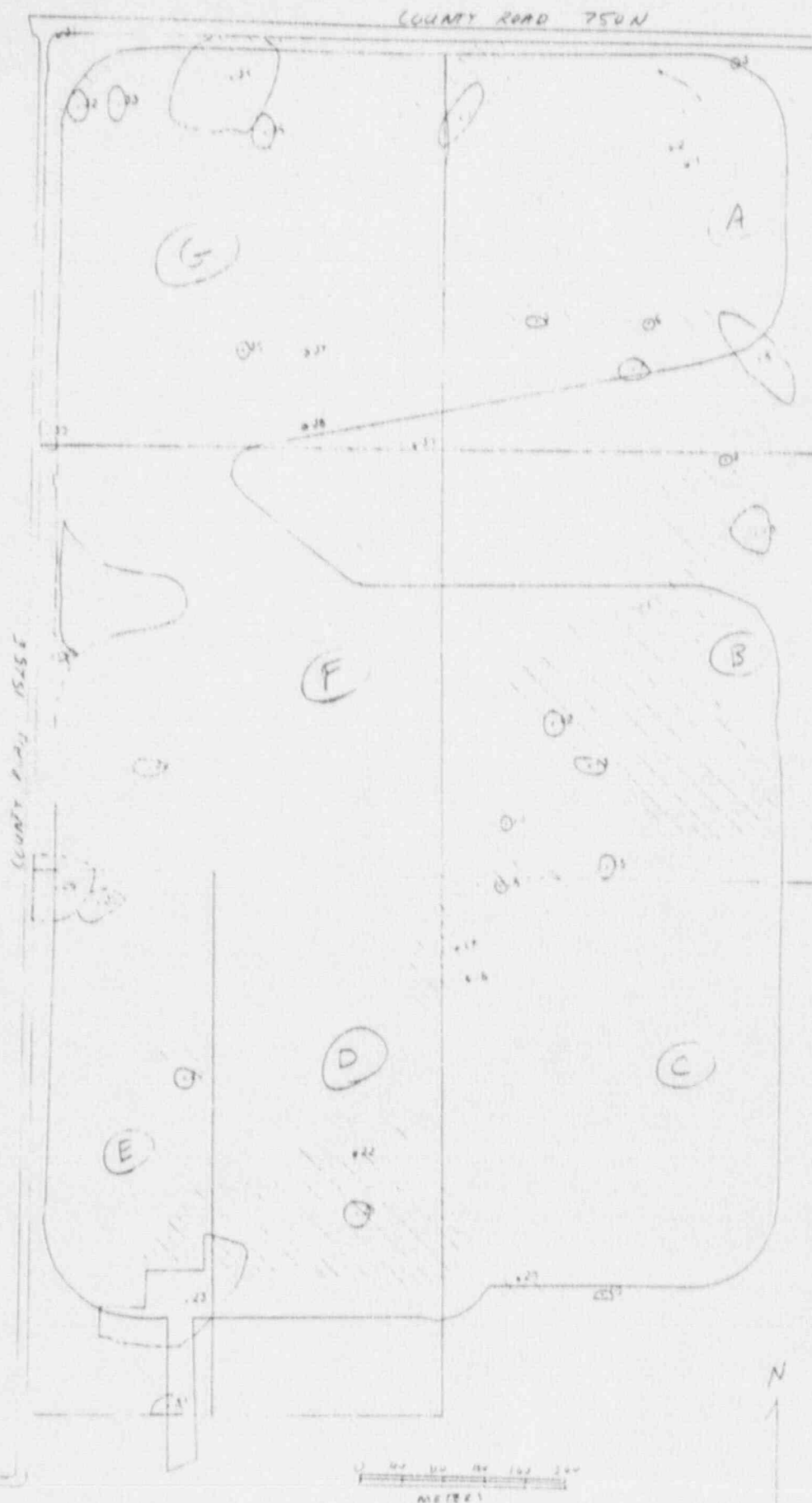
## ULTIMATE HEAT SINK DREDGE FACILITY

6-16 MARCH 1990

<u>FIELD NUMBER</u>	<u>ITEM NUMBER</u>	<u>IAS NUMBER</u>
Locus 1	Dw-219A	
Locus 2	Dw-220A	
Locus 3	Dw-221A	
Locus 4	Dw-222A	
Locus 5	Dw-223A	
Locus 6	Dw-224A	
Locus 7	Dw-225A	
Locus 8	Dw-226A	
Locus 9	Dw-227A	
Locus 10	Dw-228A	
Locus 11	Dw-229A	
Locus 12	Dw-230A	
Locus 13	Dw-231A	
Locus 14	Dw-232A	
Locus 15	Dw-233A	
Locus 16	Dw-234A	
Locus 17	Dw-235A	
Locus 18	Dw-236A	
Locus 19	Dw-237A	
Locus 20	Dw-238A	
Locus 21	Dw-239A	
Locus 22	Dw-240A	
Locus 23	Dw-241A	
Locus 24	Dw-242A	
Locus 25	Dw-243A	
Locus 26	Dw-244A	
Locus 27	Dw-245A	
Locus 28	Dw-246A	
Locus 29	Dw-247A	
Locus 30	Dw-248A	
Locus 31	Dw-249A	
Locus 32	Dw-250A	
Locus 33	Dw-251A	
Locus 34	Dw-252A	
Locus 35	Dw-253A	
Locus 36	Dw-254A	
Locus 37	Dw-255A	
Locus 38	Dw-256A	
Locus 39	Dw-257A	







ILLINOIS POWER SURVEY

① (Field #)  
A-G FIELDS



## ILLINOIS ARCHAEOLOGICAL SURVEY

Recorded

Survey No.

County DeWitt

Reg. Inst. No. Dw-219A

Twp. Harp

Culture Late Woodland/Mississippian

Quadrangle DeWitt

Type of site Habitation

Legal Description (1/4's)

SW 1/4; NW 1/4; NW 1/4; NW 1/4; SE 1/4 Sec. 27 Twp. 20N Range 3E

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 18

N 4447280

/E 342510

Previous owners

Present tenant Reynolds

Directed to site by GIS required: H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) 70m NE-SW; 20m NW-SE; 1800 sq. m; depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and location In flat, poorly drained and minimally dissected upland, just northwest of small closed upland depression.

Water supply Upland prairie wetland 50m to south; North Fork 1.2 km NW

Drainage North Fork

Nearby sites None on same environmental feature.

Modern occupation (building, plowing, etc.) Plowing

Type of soil Keokuk silt loam

Ground cover Corn stubble, 30-70% visibility

## MATERIAL FROM SITE

1 Koster-line glass coin

15 rocks/FCR--discarded

1 flakes

3 chert till pieces

1 cores

1 material "cracker" fragment

Surface coll. by Ahler

Date 3/6/90 Institution ISM

Tested by

Date

Institution

Excavated by

Date

Institution

Nature and extent of survey - Field conditions Walkover survey at about 10 meter interval until cultural material found, then about 5 meter interval to establish site limits. Field is in corn stubble, 30-70% visibility, and soil has been raised in some places.

Curation ISM

## MATERIAL REPORTED AS BELONGING TO SITE

None

Owner of material

Certainty of Origin

Data reported by Ahler

Date 3/19/90

Visited 3/19/90

Survey report by Ahler

Date 3/19/90

Publications:

None

Photo:

None

Study status:

Recommend diskings, re-collection, plowzone stripping and excavation of any exposed sub-plowzone features

Remarks:

This is labeled Locus 1 on the field maps. The site is in Field A. One of 39 sites found in the same survey of 220 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a siltation pond for dredging the "Ultimate Heat Sink" for the power plant.

Sketch map and artifact drawings.

See attached photocopy of USGS 7.5' DeWitt quadrangle.

DeWitt  
(1979)  
7.5"  
Quadr  
Dw219A  
Locus 1

1 270 000  
FEET

T 20 N

T 19 N

40°07'30"

88°52'30"

350 000 FEET

M2

M3

50'

144

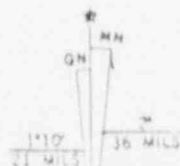
(MAROA)  
3144 31 SW

Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1973. Field checked 1975-1978. Map edited 1979

Projection and 10,000-foot grid ticks: Illinois coordinate system, east zone (transverse Mercator)



# ILLINOIS ARCHAEOLOGICAL SURVEY

Recorded

Survey No.

County DeWitt

Reg. Inst. No. Dw-220A

Twp. Harp

Culture Unknown

Quadrangle DeWitt

Type of site Isolated find

Legal Description (1/4's)

NW 1/4; SW 1/4; NE 1/4; NW 1/4; SE 1/4

Sec. 27

Twp. 20N

Range 2E

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 16

N 4447256

E 342710

Previous owners

Present tenant Reynolds

Directed to site by EIS required: H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) Isolated find: depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and Location In flat, poorly drained and minimally dissected uplands, just northeast of small closed upland depression.

Water supply Wetland prairie pothole 50m to west; North Fork 1.0 km NW

Drainage North Fork

Nearby sites Dw-221A, Dw-222A in same low area, within 100 m.

Modern occupation (building, plowing, etc.) Plowing

Type of soil Keokuk silt loam

Ground cover Corn stubble, 30-70% visibility

## MATERIAL FROM SITE

1 Center-pitted cobble

Surface coll. by Ahler

Date 3/6/80 Institution ISM

Tested by

Date

Institution

Excavated by

Date

Institution

Nature and extent of survey - Field conditions Walkover survey at about 10 meter interval until cultural material found, then about 5 meter interval to establish site limits. Field A is the northeast 1/4-1/4 section of the project area. It is in corn stubble, 30-70% visibility, and soil has been rained on a lot since harvest. Part of 220-acre survey for Illinois Power.

Curation ISM

MATERIAL REPORTED AS BELONGING TO SITE

None

Owner of Material

Certainty of Origin

Site reported by Ahler

Date 3/6/80

Visited 3/6/80

Survey report by Ahler

Date 3/6/80



**Publications:**

None

**Photo:**

None

**Study status:**

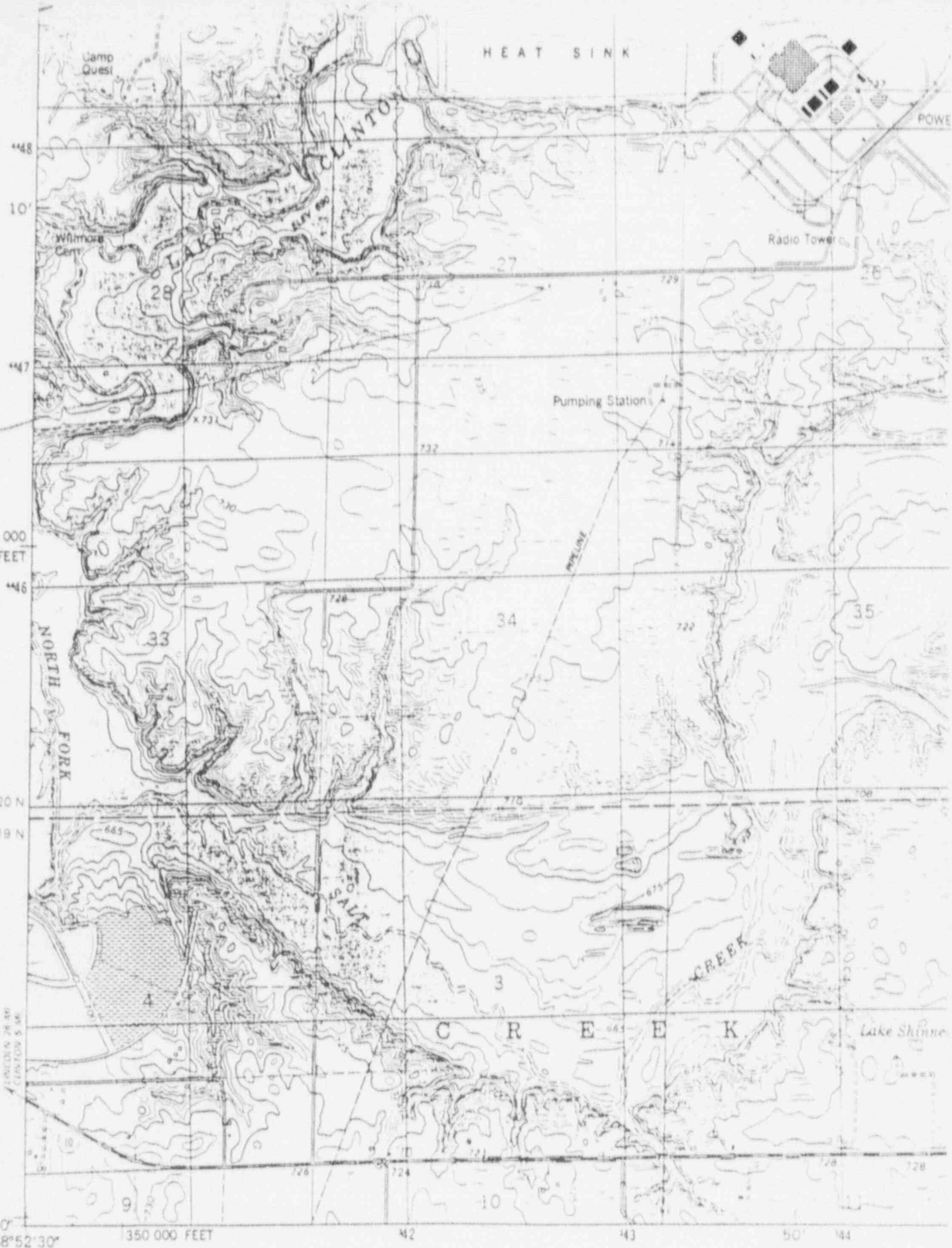
No additional work recommended.

**Remarks:**

This site is labeled Locus 1 on the field maps. It is in Field A, the northeast 1/4-1/4 section of the project area, and may be associated with or combined with the nearby Locus 4 (Tw-222A). It is one of 39 sites found in the same survey of 220 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a siltation pond for dredging the "Ultimate Heat Sink" for the power plant.

Sketch map and artifact drawings.

See attached photocopy of USGS 7.5' DeWitt quadrangle, and sketch map of fields walked.



(MAROA)  
3254 W SW



## ILLINOIS ARCHAEOLOGICAL SURVEY

## Recorded

## Survey No.

County DeWitt  
Twp. Hart  
Quadrangle DeWitt

Reg. Inst. No. Dw-221A  
Culture Unknown  
Type of site Scatter

## Legal Description (1/4's)

NE 1/4; NW 1/4; NE 1/4; NW 1/4; SE 1/4      Sec. 27      Twp. 20N      Range 3E

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill.

U.T.M. Zone 18

N 4447335

E 342770

## Previous owners

Present tenant Reynolds

Directed to site by AIS required: H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) 10m diameter; 100 sq. m.; depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and Location in flat, poorly drained and minimally dissected uplands, just northeast of closed upland depressions.

Water supply Wetland prairie wetland 150m to SE; North Fork 1.0 km NW

Drainage North Fork

Nearby sites Dw-220A, Dw-221A in same low area, within 100 m.

Modern occupation (building, plowing, etc.) Plowing

Type of soil Sable silty clay loam

Ground cover Corn stubble, 30-40% visibility

## MATERIAL FROM SITE

1 Flake

1 Historic whiteware ceramic

Surface coll. by Ahler

Date 3/8/90

Institution ISM

Tested by

Date

Institution

Excavated by

Date

Institution

Nature and extent of survey - Field conditions Walkover survey at about 10 meter interval until cultural material found, then about 5 meter interval to establish limits. Field A is the northeast 1/4-1/4 section of the project area, a 220-acre area affected by construction of a heat sink dredge/settling pond facility. Field A is now corn stubble, 30-40% visibility, and soil has been rained on a lot since harvest.

Duration 2M

## MATERIAL REPORTED AS BELONGING TO SITE

None

Owner of Material

Certainty of Origin

Site reported by Ahler

Date 3/19/90

Visited 3/19/90

Survey report by Ahler

Date 3/19/90

Publications:

None

Photo:

None

Study status:

No additional work recommended.

Remarks:

This site is labeled Locus 3 on the field maps. It is in field A, the northeast 1/4-1/4 field in the project area. It is one of 39 sites found in the same survey of 420 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a siltation pond for dredging the "Ultimate Heat Sink" for the power plant.

Sketch map and artifact drawings.

See attached photocopy of USGS 7.5' DeWitt quadrangle, and sketch map of fields walked.

D.W.H.  
(1979)

7.5"  
Quad

Dw 221A

LUCV  
3

1 270 000  
FEET

40°07'30"  
88°52'30"  
MADON  
3/64 10 SW

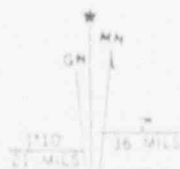


Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1973. Field checked 1975-1978. Map edited 1979

Projection and 10,000-foot grid ticks: Illinois coordinate system east zone (transverse Mercator)



## ILLINOIS ARCHAEOLOGICAL SURVEY

Recorded

Survey No.

County DeWitt

Reg. Inst. No. DW-222A

Twp. Harp

Culture Unknown

Quadrangle DeWitt

Type of site Isolated find

Legal Description (1/4's)

NW 1/4; SW 1/4; NE 1/4; NW 1/4; SE 1/4      Sec. 27      Twp. 20N      Range 1E

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 16

N 4447240

E 344725

Previous owners

Present tenant Reynolds

Directed to site by EIS required: H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) Isolated find; depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and location In flat, poorly drained and minimally dissected prairie, just northeast of cleared upland depressions.

Water supply Wetland prairie pathole 100m to W; North Fork L. to NW

Drainage North Fork

Nearby sites DW-220A, DW-221A in same low area, within 100 m.

Modern occupation (building, plowing, etc.) Plowing

Type of soil Keokuk silt loam

Ground cover Corn stubble, 30-40% visibility

## MATERIAL FROM SITE

1 flake

Surface coll. by Ahler

Date 3/25/80

Institution ISM

Tested by

Date

Institution

Excavated by

Date

Institution

Nature and extent of survey - Field conditions Walkover survey at about 5 meter interval until cultural material found, then about 5 meter interval to establish site limits. Field A is the northeast 1/4-1/4 section of the project area, a 120-acre area affected by construction of a heat sink dredge/settling pond facility. Field A is in corn stubble, 30-40% visibility, and soil has been rained on a lot since harvest.

Curation ISM

MATERIAL REPORTED AS BELONGING TO SITE

None

Owner of Material

Certainty of Origin

Site reported by Ahler

Date 3/25/80

Visited

Survey report by Ahler

Date 3/25/80



Publications:

None

Photo:

None

Study status:

No additional work recommended.

Remarks:

This site is labeled Locus 4 on the field maps. It is in Field A, the northeast 1/4-1/4 field in the project area, and may be associated with or combined with the nearby Locus 3 (24-230A). It is one of 39 sites found in the same survey of 220 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a siltation pond for dredging the "Ultimate Heat Sink" for the power plant.

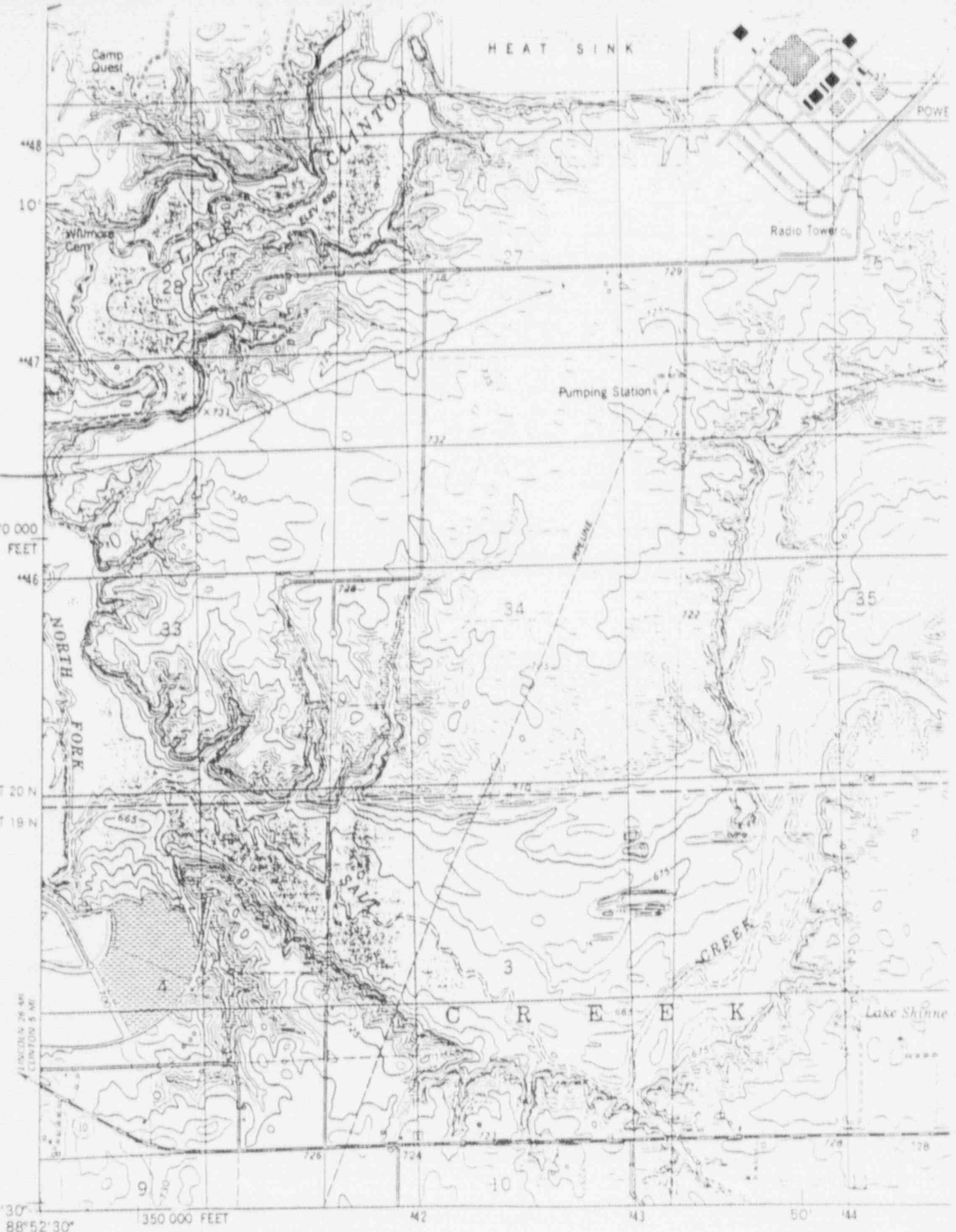
Sketch map and artifact drawings.

See attached photocopy of USGS 7.5' Dewitt quadrangle, and sketch map of fields walked.

D.W.H.  
(1979)  
7.5'  
Aerial

DW  
222 A  
Loc 4  
4

(MAROAI)  
3264 35 5W



Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1973. Field checked 1975-1978. Map edited 1979

Projection and 10,000-foot grid ticks: Illinois coordinate system east zone (transverse Mercator)





## ILLINOIS ARCHAEOLOGICAL SURVEY

## Recorded

## Survey No.

County DeWitt

Reg. Inst. No. Dw-223A

Twp. Hart

Culture Unknown

Quadrangle DeWitt

Type of site Lithic scatter

Legal Description (1/4's)

SE 1/4; NW 1/4; SW 1/4; NW 1/4; SE 1/4

Sec. 27

Twp. 20N

Range 3E

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 16

N 4447085

/E 342570

Previous owners

Present tenant Reynolds

Directed to site by EIS required: H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) 20m E-W; 10m N-S; 200 sq. m.; depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and location On low ridge trending east-west in southern part of field. General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply Inland granite outcrop 100m to N; North Fork 1.3 km NW

Drainage North Fork

Nearby sites Dw-224A, Dw-225A, Dw-226A are on same low ridge.

Modern occupation (building, plowing, etc.) Plowing

Type of soil Birzbeck silt loam

Ground cover Corn stubble, 60-70% visibility

## MATERIAL FROM SITE

2 flakes

1 core

2 rocks (discarded; not modified)

Surface coll. by Ahler

Date 3/8/90

Institution ISM

Tested by

Date

Institution

Excavated by

Date

Institution

Nature and extent of survey - Field conditions Walkover survey at about 15 meter interval until cultural material found, then about 5 meter interval to establish site limits. Field A is the northeast 1/4-1/4 section of the project area, a 220-acre area affected by construction of a heat sink dredge/settling pond facility. Field A is in corn stubble, 60-70% visibility, and soil has been rained on a lot since harvest.

Curation ISM

MATERIAL REPORTED AS BELONGING TO SITE

None

Owner of Materials

Certainty of Origin

Site reported by Ahler

Date 3/19/90

Visited 3/19/90

Survey report by Ahler

Date 3/19/90

Publications:

None

Photo:

None

Study status:

No additional work recommended.

Remarks:

This site is labeled Locus 5 on the field maps. It is in Field A, the northeast 1/4-1/4 field in the project area. It is one of 39 sites found in the same survey of 220 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a siltation pond for dredging the "Ultimate Heat sink" for the power plant.

Sketch map and artifact drawings.

See attached photocopy of USGS 7.5' DeWitt quadrangle, and sketch map of fields walked.

DeWitt  
(1979)  
7.5"  
Quad

D.W.  
223A  
Loc. 5



Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1973. Field checked 1975-1978. Map edited 1979

Projection and 10,000-foot grid ticks: Illinois coordinate system east zone (transverse Mercator)

1983 edition of the National Topographic Map Series, 1:50,000

MAR 01  
2004 10 5W

## ILLINOIS ARCHAEOLOGICAL SURVEY

Recorded

Survey No.

County DeWitt

Reg. Inst. No. Dw-224A

Twp. Harp

Culture Unknown

Quadrangle DeWitt

Type of site Lithic scatter

Legal Description (1/4's)

SE 1/4; NW 1/4; SE 1/4; NW 1/4; SE 1/4      Sec. 27      Twp. 20N      Range 3E

SW 1/4; NE 1/4; SE 1/4; NW 1/4; SE 1/4

NW 1/4; SE 1/4; SE 1/4; NW 1/4; SE 1/4

NE 1/4; SW 1/4; SE 1/4; NW 1/4; SE 1/4

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 16

N 4447050

E 342790

Previous owners

Present tenant Reynolds

Directed to site by EIS required; H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) 110m NW-SE; 35m NE-SW; 4200 sq. m.; depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and Location On low rise trending east-west in southern part of field. General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply Upland prairie pothole 150m to NW; North Fork 1.3 km NW

Drainage North Fork

Nearby sites Dw-223A, Dw-225A, Dw-226A are on same low ridge.

Modern occupation (building, plowing, etc.) Plowing

Type of soil Birkbeck silt loam

Ground cover Corn stubble, 30-70% visibility

## MATERIAL FROM SITE

22 Flakes	5 Center-pitted cobbles
6 cores	1 Hammerstone
2 scrapers	10 rocks (discarded; not modified)
2 historic crockery pieces (20th century)	

Surface coll. by Ahler

Date 3/6/90 Institution ISM

Tested by

Date Institution

Excavated by

Date Institution

Nature and extent of survey - Field conditions Walkover survey at about 15 meter interval until cultural material found, then about 5 meter interval to establish site limits. Field A is the northeast 1/4-1/4 section of the project area, a 320-acre area affected by construction of a heat sink dredge/settling pond facility. Field A is in corn stubble, 30-70% visibility, and soil has been rained on a lot since harvest.

Curation ISM

## MATERIAL REPORTED AS BELONGING TO SITE

None

Owner of Material

Certainty of Origin

Site reported by Ahler

Date 3/19/90 Visited 4/2/90

Survey report by Ahler

Date 3/19/90



**Publications:**

None

**Photo:**

None

**Study status:**

Additional work recommended. Disking, followed by complete re-collection of surface, then mechanical removal of plow zone. If features are present below plowzone, they should then be excavated and recorded as per standard sampling and excavation strategies.

**Remarks:**

This site is labeled Locus 6 on the field maps. It is in Field A, the northeast 1/4-1/4 field in the project area. Though no diagnostic artifacts were recovered in the initial surface collection, this site produced the highest density of artifacts, and it is likely that either diagnostic materials or subplowzone features will be recovered if additional work is performed. It is one of 39 sites found in the same survey of 220 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a siltation pond for dredging the "Ultimate Heat Sink" for the power plant.

Sketch map and artifact drawings.

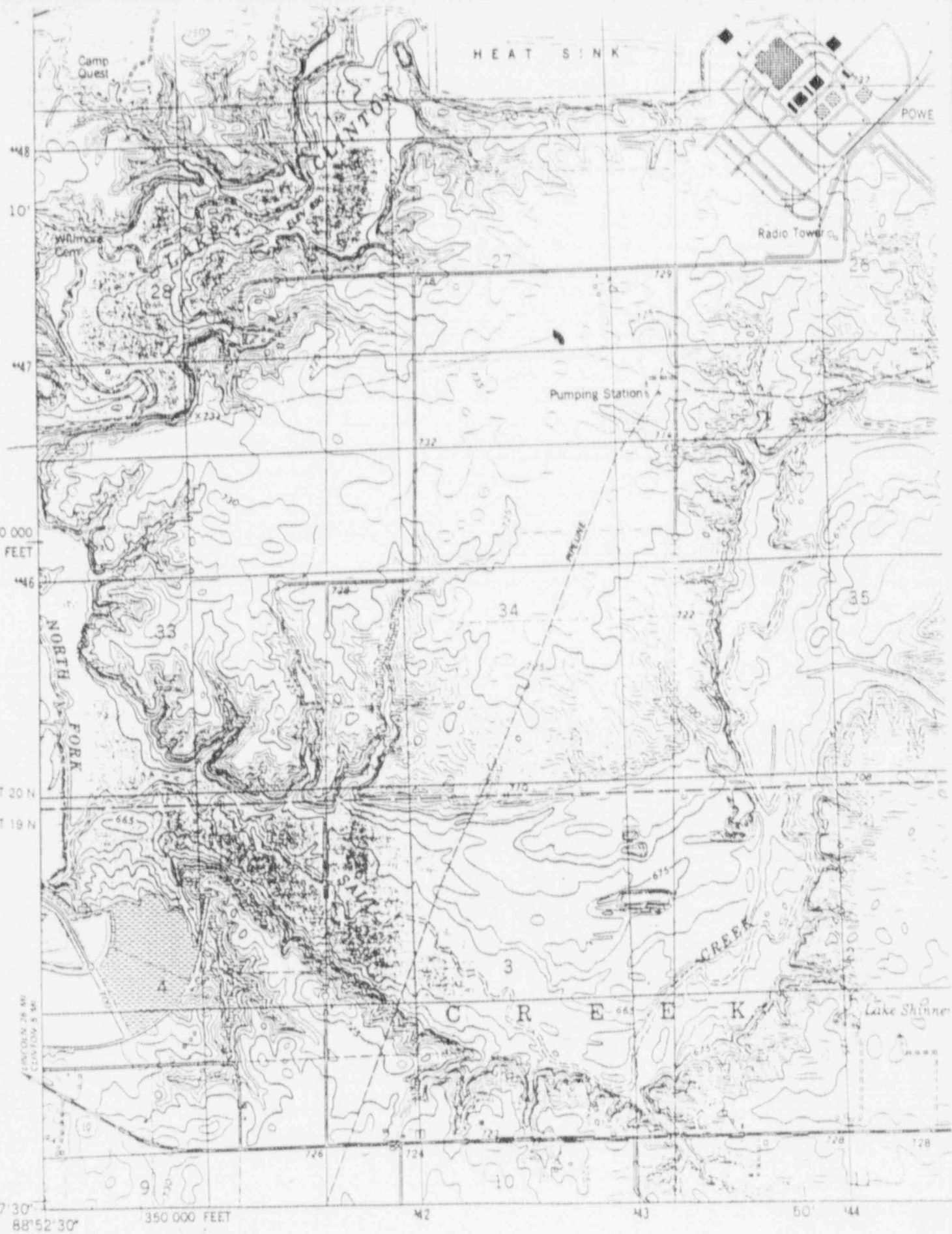
See attached photocopy of USGS 7.5' DeWitt quadrangle, and sketch map of fields walked.



DeWitt  
(1979)

7.5'  
Quadrant

0w-  
224A  
LUCAS 1 270 000  
FEET



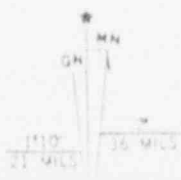
(MAR 01)  
3144 01 24

Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1973. Field checked 1975-1978. Map edited 1979

Projection and 10,000-foot grid ticks: Illinois coordinate system, east zone (transverse Mercator)



## ILLINOIS ARCHAEOLOGICAL SURVEY

Recorded

Survey No.

County DeWitt

Reg. Inst. No. Dw-225A

Twp. Hann

Culture Unknown

Quadrangle DeWitt

Type of site Lithic scatter

Legal Description (1/4's)

NE 1/4; SE 1/4; SW 1/4; NW 1/4; SE 1/4

Sec. 27

Twp. 20N

Range 3E

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 16

N 4447040

/E 342865

Previous owners

Present tenant Reynolds

Directed to site by EIS required; H. E. Chamblin

Mapped by Steven K. Ahler, ISM

Extent of site (area and depth) 30m E-W; 20m N-S; 500 sq. m.; depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and location On low rise trending east-west in southern part of field. General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply Upland spring roughly 50m to S; North Fork 1.3 km NW

Drainage North Fork

Nearby sites Dw-223A, Dw-224A, Dw-225A are on same low ridge.

Modern occupation (building, plowing, etc.) Plowing

Type of soil Sikeston silt loam

Ground cover Corn stubble, 30-70% visibility

## MATERIAL FROM SITE

1 flake

1 core

1 center-flaked cobble

3 rocks (discarded; not modified)

Surface coll. by Ahler

Date 3/7/90

Institution ISM

Tested by

Date

Institution

Excavated by

Date

Institution

Nature and extent of survey - Field conditions Walkover survey at about 15 meter interval until cultural material found, then about 5 meter interval to establish site limits. Field A is the northeast 1/4-1/4 section of the project area, a 220-acre area affected by construction of a heat sink dredge/settling pond facility. Field A is a small, wooded, 30-70% visibility, wet soil has been rained on a lot since harvest.

Curation CM

MATERIAL REPORTED AS BELONGING TO NITK

None

Owner of Material

Certainty of Origin

Site reported by Ahler

Date 7/19/90

Visited 7/19/90

Survey report by Ahler

Date 7/19/90

Publications:

None

Photo:

None

Study status:

No additional work recommended.

Remarks:

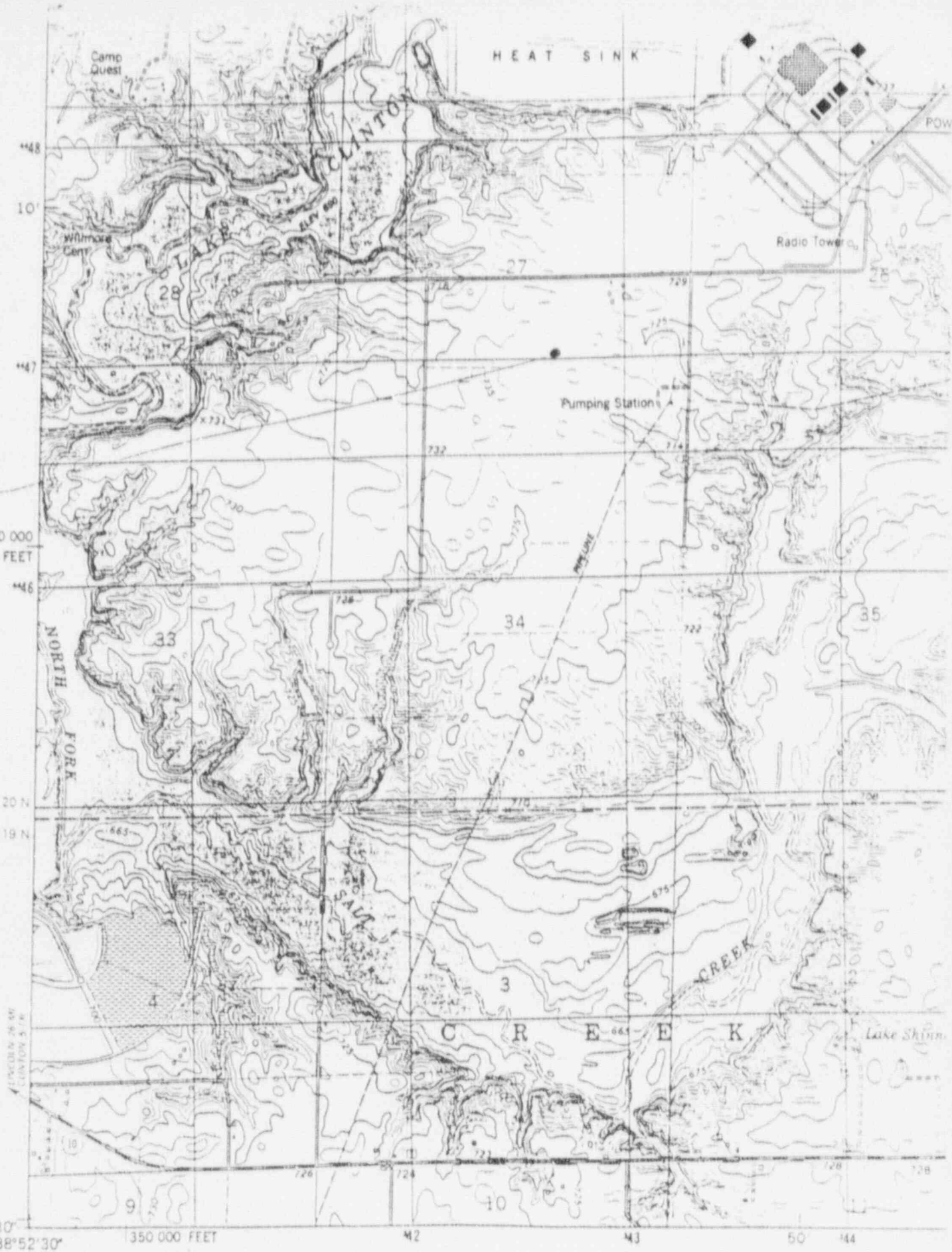
This site is labeled Locus 7 on the field maps. It is in Field A, the northeast 1/4-1/4 field in the project area. It is one of 39 sites found in the same survey of 320 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a siltation pond for dredging the Ultimate Heat Sink for the power plant.

Sketch map and artifact drawings.

See attached photocopy of USGS 7.5' DeWitt quadrangle, and sketch map of fields walked.

D.W.H.  
(1979)  
7.5'  
Quadr.

Dw-  
225A  
Lucas  
7



40°07'30"  
88°52'30"

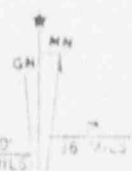
(MAROA)  
3264 = 5W

Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1973. Field checked 1975-1978. Map edited 1979

Projection and 10,000-foot grid ticks: Illinois coordinate system, east zone (transverse Mercator)





## ILLINOIS ARCHAEOLOGICAL SURVEY

## Recorded

## Survey No.

County DeWitt

Reg. Inst. No. Dw-226A

Twp. Harp

Culture Unknown

Quadrangle DeWitt

Type of site Lithic scatter

Legal Description (1/4's)

SE 1/4; NE 1/4; SW 1/4; NW 1/4; SE 1/4      Sec. 27      Twp. 30N      Range 3E

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 16

N 4447085

E 342650

Previous owners

Present tenant Reynolds

Directed to site by EIS required: H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) 10m diameter; 100 sq. m.; depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and location On low rise trending east-west in southern part of field. General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply Upland prairie pothole 100m to NE North Fork L. 1/2 mi SW

Drainage North Fork

Nearby sites Dw-223A, Dw-224A, Dw-225A are on same low ridge.

Modern occupation (building, plowing, etc.) Plowing

Type of soil Birkbeck silt loam

Ground cover Corn stubble, 30-70% visibility

## MATERIAL FROM SITE

2 cores

1 possible hammerstone

1 piece chert flint

Surface coll. by Ahler

Date 3/7/80 Institution ISM

Tested by

Date

Institution

Excavated by

Date

Institution

Nature and extent of survey - Field conditions Walkover survey at about 15 meter interval until cultural material found, then about 5 meter interval to establish site limits. Field A is the northeast 1/4-1/4 section of the project area, a 220-acre area affected by construction of a heat sink dredge/settling pond facility. Field A is corn stubble, 30-70% visibility, and soil has been raised on a lot since harvest.

Curation ISM

## MATERIAL REPORTED AS BELONGING TO SITE

None

Owner of Material

Certainty of Origin

Site reported by Ahler

Date 3/7/80

Visited

Survey report by Ahler

Date 3/7/80



Publications:

None

Photo:

None

Study status:

No additional work recommended.

Remarks:

This site is labeled locus 3 on the field maps. It is in Field A, the northeast 1/4-1/4 field in the project area. It is one of 39 sites found in the same survey of 220 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a distention pond for dredging the "Ultimate Heat Sink" for the power plant.

Sketch map and artifact drawings.

See attached photocopy of USGS 7.5' Dewitt quadrangle, and sketch map of fields with loc.



# ILLINOIS ARCHAEOLOGICAL SURVEY

Recorded

Survey No.

County DeWitt

Reg. Inst. No. Dw-227A

Twp. Hart

Culture Unknown

Quadrangle DeWitt

Type of site Lithic scatter

Legal Description (1/4's)

NE 1/4; NW 1/4; NE 1/4; SW 1/4; SE 1/4 Sec. 27 Twp. 20N Range 3E

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 16

N 4446955

/E 342755

Previous owners

Present tenant Reynolds

Directed to site by EIS required: H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) 10m diameter; 100 sq. m.; depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and location On north slope of low upland knoll in the northeast corner

Field B. General topography is minimally dissected uplands with occasional rises and wet areas.

Water supply Upland prairie to north 150m to N; North Fork 1.4 km NW

Drainage North Fork

Nearby sites Dw-228A is on west slope of same knoll

Modern occupation (building, plowing, etc.) Plowing

Type of soil Silt loam

Ground cover Corn stubble, 30-70% visibility

## MATERIAL FROM SITE

2 flakes

1 rock discarded not modified

Surface coll. by Ahler

Date 3/7/90

Institution ISM

Tested by

Date

Institution

Excavated by

Date

Institution

Nature and extent of survey - Field conditions Walkover survey at about 10 meter interval until cultural material found, then about 5 meter interval to establish limits. Field B is the east central 1/4-1/4 section of the project area. A 120-acre area affected by construction of a heat sink dredge/settling pond facility. Field B is on a corn stubble, 30-70% visibility, and soil has been rained on a lot since harvest.

Duration 10 min

MATERIAL REPORTED AS BELONGING TO SITE

40.00

Owner of Material

Certainty of Origin

Site reported by Ahler

Date 3/19/90

Visited 3/19/90

Survey report by Ahler

Date 3/19/90

**Publications:**

None

**Photo:**

None

**Study status:**

No additional work recommended.

**Remarks:**

This site is labeled Locus 9 on the field maps. It is in Field 3, the east central 1/4-1/4 section field in the project area. It is one of 39 sites found in the same survey of 220 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a siltation pond for dredging the "Ultimate Heat Sink" for the power plant.

Sketch map and artifact drawings.

See Attached photocopy of USGS 7.5' DeWitt quadrangle, and sketch map of fields walked.



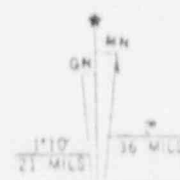
DeW. H  
(1979)  
7.5"  
Quadrant

Dist.  
227A  
Lynch



(MERCATOR)  
374 10 SW

Mapped, edited, and published by the Geological Survey  
Control by USGS and NOS/NOAA  
Topography by photogrammetric methods from aerial photographs  
taken 1973. Field checked 1975-1978. Map edited 1979  
Projection and 10,000-foot grid ticks: Illinois coordinate  
system, east zone (transverse Mercator)





## ILLINOIS ARCHAEOLOGICAL SURVEY

Recorded

Survey No.

County DeWitt

Reg. Inst. No. Dw-228A

Twp. Harp

Culture Early Archaic

Quadrangle DeWitt

Type of site Lithic scatter/habitation

Legal Description (1/4's)

SE 1/4; NW 1/4; NE 1/4; SW 1/4; SE 1/4

Sec. 27

Twp. 20N

Range 4E

SW 1/4; NE 1/4; NE 1/4; SW 1/4; SE 1/4

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 15

N 4448890

/E 342700

Previous owners

Present tenant Reynolds

Directed to site by EIS required: H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) 40m diameter; 1400 sq. m.; depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and location On east slope of low upland knoll in the northeast corner of Field B. General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply Upland prairie pothole to N; North Fork 1.4 km NW

Drainage North Fork

Nearby sites Dw-227A is on north slope of same knoll

Modern occupation (building, plowing, etc.) Plowing

Type of soil Birkbeck silt loam

Ground cover Corn stubble, 30-70% visibility

## MATERIAL FROM SITE

1 Early Archaic Kirk-like point

17 flakes

2 thin bitumens fragments

6 rocks discarded (not modified)

Surface coll. by Ahler

Date 3/7/89

Institution ISM

Tested by

Date

Institution

Excavated by

Date

Institution

Nature and extent of survey - Field conditions Walkover survey at about 15 meter interval until cultural material found, then about 5 meter interval to establish limits. Field B is the east central 1/4-1/4 section of the project area, a 20-acre area affected by construction of a heat sink dredge settling tank facility. Field B is in corn stubble, 30-40% visibility, and soil has been rained on a lot since harvest.

Duration 15M

## MATERIAL REPORTED AS BELONGING TO SITE

None

Owner of Material

Certainty of Origin

Site reported by Ahler

Date

Visited

Survey report by Ahler

Date

**Publications:**

None

**Photo:**

None

**Study status:**

Additional work is recommended. If the site area will not be impacted during actual construction of the dredge/settling facility, then the site should be subjected to diskings and re-collection, then marked so that it can be avoided. If ground disturbance can not be avoided, the plowzone should be stripped mechanically after re-collection, and any exposed sub-plowzone features should be excavated.

**Remarks:**

This site is labeled Locus 10 on the field maps. It is in Field B, the east central 1/4 section field in the project area. It is one of 39 sites found in the same survey of 320 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a siltation pond for dredging the "Ultimate Heat Sink" for the power plant.

Sketch map and artifact drawings.

See attached photocopy of 1863 7.5' DeWitt quadrangle, and sketch map of fields walked.



Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1973. Field checked 1975-1978. Map edited 1979

Projection and 10,000-foot grid ticks: Illinois coordinate system, east zone (transverse Mercator)

DeWitt  
(1979)  
7.5"  
Aerial

OW-  
228A  
LOCAL  
10

40°07'30"  
88°52'30"

IMARCA  
3284 in 50'



# ILLINOIS ARCHAEOLOGICAL SURVEY

Recorded

Survey No.

County DeWitt

Reg. Inst. No. Dw-229A

Twp. Hart

Culture Unknown

Quadrangle DeWitt

Type of site Lithic scatter

Legal Description (1/4's)

SE 1/4: SE 1/4: NW 1/4: SW 1/4: SE 1/4 Sec. 27 Twp. 20N Range 3E

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 16

N 4446810

/E 342665

Previous owners

Present tenant Reynolds

Directed to site by EIS required: H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) 10m E-W; 5m N-S; 60 sq. m.; depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and Location On low rise trending NE-SW in field B. General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply Upland prairie ditches to N: North Fork 1.4 km NW

Drainage North Fork

Nearby sites None

Modern occupation (building, plowing, etc.) Plowing

Type of soil Sikebeck silt loam

Ground cover Corn stubble, 30-40% visibility

## MATERIAL FROM SITE

1 flake

1 wrapped

Surface coll. by Ahler

Date 3/8/90

Institution ISM

Tested by

Date

Institution

Excavated by

Date

Institution

Nature and extent of survey - Field conditions Walkover survey at about 10 meter interval until cultural material found, then about 5 meter interval to establish limits. Field B is the east central 1/4-1/4 section of the project area, a 20-acre area affected by construction of a heat sink dredge/settling pond facility. Field B is in corn stubble, 30-40% visibility. The soil has been tilled on a lot since harvest.

Curator SM

## MATERIAL REPORTED AS BELONGING TO SITE

None

Owner of Material

Certainty of Origin

Site reported by Ahler

Date 3/13/90

Visited 3/13/90

Survey report by Ahler

Date 3/13/90

Publications:

None

Photo:

None

Study status:

No additional work is recommended.

Remarks:

This site is labeled Locus 11 on the field maps. It is in Field 8, the east central 1/4-1/4 section field in the project area. It is one of 59 sites found in the same survey of 220 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a siltation pond for dredging the "Ultimate Heat Sink" for the power plant.

Sketch map and artifact drawings.

See attached photocopy of USGS 7.5' DeWitt quadrangle, and sketch map of fields walked.



## ILLINOIS ARCHAEOLOGICAL SURVEY

Recorded

Survey No.

County DeWitt

Reg. Inst. No. Dw-230A

Twp. Hart

Culture Unknown

Quadrangle DeWitt

Type of site Lithic scatter

Legal Description (1/4's)

SW 1/4: NE 1/4: SW 1/4: SE 1/4: SE 1/4 Sec. 27 Twp. 20N Range 3E

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 16

N 4446700

/E 342590

Previous owners

Present tenant Reynolds

Directed to site by EIS required: H. E. Chamblin

Mapped by Steven R. Ahler, IEM

Extent of site (area and depth): 25m N-S; 10m E-W; 400 sq. m.; depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and location Just west of small upland knoll in central part of Field B.

General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply If land possible, to N: North Fork 1.4 km NW

Drainage North Fork

Nearby sites Dw-231A to southeast

Modern occupation (building, plowing, etc.) Plowing

Type of soil Birkbeck silt loam

Ground cover Corn stubble, 30-40% visibility

## MATERIAL FROM SITE

1 flake

2 cores

2 rocks discarded (not modified)

Surface coll. by Ahler

Date 3/9/90 Institution IEM

Tested by

Date Institution

Excavated by

Date Institution

Nature and extent of survey - Field conditions Walkover survey at about 15 meter interval until cultural material found, then about 5 meter interval to establish site limits. Field B is the east central 1/4-1/4 section of the project area, a 120-acre area affected by construction of a heat sink dredge/settling pond facility. Field B is in corn stubble, 30-40% visibility, and soil has been rainfed on a lot since harvest.

Curation IEM

## MATERIAL REPORTED AS BELONGING TO SITE

None

Owner of Material

Certainty of Origin

Site reported by Ahler

Date 3/19/90

Visited 3/9/90

Survey report by Ahler

Date 3/19/90

**Publications:**

None

**Photo:**

None

**Study status:**

No additional work is recommended.

**Remarks:**

This site is labeled Locus 12 on the field maps. It is in Field 8, the east central 1/4-1/4 section field in the project area. It may be associated with or part of site DW-231A (Locus 13) to the southeast. It is one of 39 sites found in the same survey of 220 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a siltation pond for dredging the "Ultimate Heat Sink" for the power plant.

Sketch map and artifact drawings.

See attached photocopy of USGS 7.5' LeWitt quadrangle, and sketch map of fields walked.

## ILLINOIS ARCHAEOLOGICAL SURVEY

Recorded

Survey No.

County DeWitt

Reg. Inst. No. Dw-231A

Twp. Harp

Culture Unknown

Quadrangle DeWitt

Type of site Lithic scatter

Legal Description (1/4's)

NW 1/4: SE 1/4: SW 1/4: NW 1/4: SE 1/4

Sec. 27

Twp. 20N

Range 38

NE 1/4: SE 1/4: SW 1/4: SW 1/4: SE 1/4

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 16

N 4446660

/E 342650

Previous owners

Present tenant Reynolds

Directed to site by FIS required: H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) 30m E-W; 15m N-S; 400 sq. m.; depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and Location On crest of small upland knoll in central part of Field B.

General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply Upland prairie connected to N: North Fork 1.4 km NW

Drainage North Fork

Nearby sites Dw-230A to northwest

Modern occupation (building, plowing, etc.) Plowing

Type of soil Birkbeck silt loam

Ground cover Corn stubble, 30-70% visibility

## MATERIAL FROM SITE

6 classes

1 core

1 center-pitted cobble

11 rocks discarded (not modified)

Surface coll. by Ahler

Date 3/9/90

Institution ISM

Tested by

Date

Institution

Excavated by

Date

Institution

Nature and extent of survey - Field conditions Walkover survey at about 15 meter interval until cultural material found, then about 5 meter interval to establish site limits. Field B is the west central 1/4-1/4 section of the project area, a 120-acre area affected by construction of a heat sink dredge/settling pond facility. Field B is in corn as of 3/9/90, 30-70% visibility, and soil has been rained on a lot since harvest.

Duration ISM

## MATERIAL REPORTED AS BELONGING TO SITE

None

Owner of Material

Certainty of Origin

Site reported by Ahler

Date 3/19/90

Visited 3/19/90

Survey report by Ahler

Date 7/18/90

Publications:

None

Photo:

None

Study status:

No additional work is recommended.

Remarks:

This site is labeled Locus 13 on the field maps. It is in Field B, the east central 1/4-1/4 section field in the project area. It may be associated with or part of site Dw-230A (Locus 12) to the northwest. It is one of 39 sites found in the same survey of 220 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a siltation pond for dredging the "Ultimate Heat Sink" for the power plant.

Sketch map and artifact drawings.

See attached photocopy of USGS 7.5' DeWitt quadrangle, and sketch map of fields walked.

## ILLINOIS ARCHAEOLOGICAL SURVEY

## Recorded

## Survey No.

County DeWitt

Reg. Inst. No. Dw-232A

Twp. Harr

Culture Unknown

Quadrangle DeWitt

Type of site Lithic scatter

Legal Description (1/4's)

SE 1/4; SW 1/4; SW 1/4; SW 1/4; SE 1/4

Sec. 27

Twp. 20N

Range SE

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 16

N 4446610

/E 342550

Previous owners

Present tenant Reynolds

Directed to site by EIS required: H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) 10m N-S; 10m E-W; 100 sq. m.; depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and location in flat and poorly drained uplands in southwest part of Field B.

General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply Upland prairie potholes to N; North Fork 1.5 km NW

Drainage North Fork

Nearby sites Dw-233A, Dw-234A, Dw-235A, Dw-236A are all in same general area--low flat area and low rise in Fields B and C

Modern occupation (building, plowing, etc.) Plowing

Type of soil Birkbeck silt loam

Ground cover Corn stubble, 30-70% visibility

## MATERIAL FROM SITE

2 Flakes

1 thick biface fragment

Surface coll. by Ahler

Date 3/9/90

Institution ISM

Tested by

Date

Institution

Excavated by

Date

Institution

Nature and extent of survey - Field conditions Walkover survey at about 15 meter interval until cultural material found, then about 5 meter interval to establish site limits. Field B is the east central 1/4-1/4 section of the project area, a 220-acre area affected by construction of a heat sink dredge/settling pond facility. Field B is in corn stubble, 30-70% visibility, and soil has been rained on a lot since harvest.

Curation ISM

## MATERIAL REPORTED AS BELONGING TO SITE

None

Owner of Material

Certainty of Origin

Site reported by Ahler

Date 3/19/90

Visited 3/30/90

Survey report by Ahler

Date 3/19/90



**Publications:**

None

**Photo:**

None

**Study status:**

No additional work is recommended.

**Remarks:**

This site is labeled Locus 14 on the field maps. It is in Field B, the east central 1/4-1/4 section field in the project area. It is one of 39 sites found in the same survey of 220 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a siltation pond for dredging the "Ultimate Heat Sink" for the power plant.

Sketch map and artifact drawings.

See attached photocopy of USGS 7.5' DeWitt quadrangle, and sketch map of fields walked.



DeWitt  
(1979)  
7.5"  
Quad

Dw-  
232A  
Loc 14

Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1973. Field checked 1975-1978. Map edited 1979

Projection and 10,000-foot grid ticks: Illinois coordinate system, east zone (transverse Mercator)

1000 = 1000 feet Transverse Mercator grid, zone 10

IMARDAI  
3264 @ 5m

## ILLINOIS ARCHAEOLOGICAL SURVEY

## Recorded

## Survey No.

County DeWitt

Reg. Inst. No. Dw-233A

Twp. Hart

Culture Unknown

Quadrangle DeWitt

Type of site Lithic scatter

Legal Description (1/4's)

SE 1/4; SE 1/4; SW 1/4; SW 1/4; SE 1/4

Sec. 27

Twp. 20N

Range SE

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 16

N 4446570

/E 342630

Previous owners

Present tenant Reynolds

Directed to site by EIS required: H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) 30m N-S; 15m E-W; 250 sq. m.; depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and location in flat and poorly drained uplands in southwest part of Field B. Broad gentle slope to southeast. General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply Upland prairie wetlands to N; North Fork 1.5 km NW

Drainage North Fork

Nearby sites Dw-232A, Dw-234A, Dw-235a, Dw-236A are all in same general area--low flat area and low rise in Fields B and C

Modern occupation (building, plowing, etc.) Plowing

Type of soil Sikeston silt loam

Ground cover Corn stubble, 25-70% visibility

## MATERIAL FROM SITE

2 cores

1 rocks discarded, not modified

Surface coll. by Ahler

Date 3/9/90

Institution ISM

Tested by

Date

Institution

Excavated by

Date

Institution

Nature and extent of survey - Field conditions Walkover survey at about 15 meter interval until cultural material found, then about 5 meter interval to establish 30' limits. Field B is the east central 1/4-1/4 section of the project area, a 120-acre area affected by construction of a best sink dredge/settling pond facility. Field B is in the stubble, 30-70% visibility, and soil has been rained on a lot since harvest.

Curation ISM

## MATERIAL REPORTED AS BELONGING TO SITE

None

Owner of Material

Certainty of Origin

Site reported by

Date 3/10/90

Visited 3/9/90

Survey report by

Date 3/12/90

Publications:

None

Photo:

None

Study status:

No additional work is recommended.

Remarks:

This site is labeled Locus 15 on the field maps. It is in Field 8, the east central 1/4-1/4 section field in the project area. It is one of 38 sites found in the same survey of 220 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a siltation pond for dredging the "Ultimate Heat Sink" for the power plant.

Sketch map and artifact drawings.

See attached photocopy of USGS 7.5' DeWitt quadrangle, and sketch map of fields walked.



DW.H  
(1979)  
7.5  
Aval

DW  
232A  
LWCH  
15

1 270 000  
FEET

T 20 N  
T 19 N

40°07'30"  
88°52'30"

350 000 FEET

M2

M3

50'

144

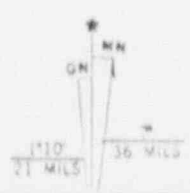
Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1973. Field checked 1975-1978. Map edited 1979

Projection and 10,000-foot grid ticks: Illinois coordinate system, east zone (transverse Mercator)

MAR01  
316 0 50





## ILLINOIS ARCHAEOLOGICAL SURVEY

## Recorded

## Survey No.

County DeWitt

Reg. Inst. No. Dw-234A

Twp. Harp

Culture Unknown

Quadrangle DeWitt

Type of site Isolated find

Legal Description (1/4's)

NE 1/4; NW 1/4; NW 1/4; NW 1/4; NE 1/4 Sec. 34 Twp. 20N Range 4E

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 16

N 4446550

E 342530

Previous owners

Present tenant Reynolds

Directed to site by EIS required: H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) Isolated find; depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and Location On southeast slope of low rise in northwest part of Field U. site trends to southwest. General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply Upland prairie potholes to N: North Fork I. &amp; M NW

Drainage North Fork

Nearby sites Dw-232A, Dw-233A, Dw-235A, Dw-236A are all in same general area--low flat area and low rise in Fields B and C

Modern occupation (building, plowing, etc.) Plowing

Type of soil Sirkbeck silt loam

Ground cover Soybean stubble, 30-70% viability

## MATERIAL FROM SITE

1 flake

1 rock discarded (not modified)

Surface coll. by Ahler

Date 3/3/90 Institution ISM

Tested by

Date Institution

Excavated by

Date Institution

Nature and extent of survey - Field conditions walkover survey at about 10 meter interval until cultural material found, then about 5 meter interval to establish limits. Field U is the southeast 1/4-1/4 section of the project area, a 250-acre area affected by construction of a heat sink dredge settling pond facility. Field U is in soybean stubble, 30-70% viability, and soil has been rained on 3 or more times.

Curation ISM

## MATERIAL REPORTED AS BELONGING TO SITE

None

Owner of Material

Certainty of Origin

Site reported by Ahler

Date 3/3/90 Visited 3/3/90

Survey report by Ahler

Date 3/3/90

**Publications:**

None

**Photo:**

None

**Study status:**

No additional work is recommended.

**Remarks:**

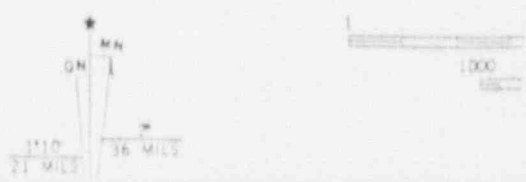
This site is labeled Locals 18 on the field maps. It is in Field C, the southeast 1/4-1/4 section field in the project area. It is one of 39 sites found in the same survey or area contiguous across south and west of the Clinton Power Plant. Impact will result from excavation of a siltation pond for dredging the "Ultimate Heat Sink" for the power plant.

Sketch map and artifact drawings.

See attached photograph of USGS 7.5' Dewitt quadrangle, and sketch map of fields walked.



Mapped, edited, and published by the Geological Survey  
 Control by USGS and NOS/NOAA  
 Topography by photogrammetric methods from aerial photographs  
 taken 1973. Field checked 1975-1978. Map edited 1979  
 Projection and 10,000-foot grid ticks: Illinois coordinate  
 system, east zone (transverse Mercator)



DeWitt  
 (1979)  
 7.5"  
 Quad

DW-  
 234A  
 LX 43  
 16

IMAROA  
 3764 10 SW

# ILLINOIS ARCHAEOLOGICAL SURVEY

Recorded

Survey No.

County DeWitt

Reg. Inst. No. Dw-235A

Twp. 20N

Culture Unknown

Quadrangle DeWitt

Type of site Isolated find

Legal Description (1/4's)

SW 1/4; NW 1/4; NW 1/4; NW 1/4; NE 1/4

Sec. 34

Twp. 20N

Range 3E

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Orestus, Ill

U.T.M. Zone 16

N 4446490

E 342490

Previous owners

Present tenant Reynolds

Directed to site by EIS required: H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) Isolated find; depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and location in north state of low rise in northwest part of Field 1. Site trends to southwest. General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply Upland prairie pot holes to N; North Fork 1.5 km NW

Drainage Salt Creek

Nearby sites Dw-233A, Dw-233A, Dw-234A, Dw-236A are all in same general area--low flat area and low rise in Fields 3 and 4

Modern occupation (building, plowing, etc.) Plowing

Type of soil spawa silt loam

Ground cover Soybean stubble, 30-70% visibility

## MATERIAL FROM SITE

1 center-pitted cobble

Surface coll. by Ahler

Date 3/9/90

Institution ISM

Tented by

Date

Institution

Excavated by

Date

Institution

Nature and extent of survey - Field conditions Walkover survey at about 10 meter interval until cultural material found, then about 5 meter interval to establish site limits. Field 1 is the southeast 1/4-1/4 section of the project area, a 220-acre area affected by construction of a heat sink dredge/settling pond facility. Field 1 is in soybean stubble, 30-70% visibility, and soil has been rained on a lot since harvest.

Curation ISM

## MATERIAL REPORTED AS BELONGING TO SITE

None

Owner of Material

Certainty of Origin

Site reported by Ahler

Date 3/19/90

Visited 3/19/90

Survey report by Ahler

Date 3/19/90

**Publications:**

None

**Photo:**

None

**Study status:**

No additional work is recommended.

**Remarks:**

This site is labeled Locus 17 on the field maps. It is in Field C, the southeast 1/4-1/4 section field in the project area. It is one of 39 sites found in the same survey of 320 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a ailtation pond for dredging the "Ultimate Heat Sink" for the power plant.

Sketch map and artifact drawings.

See attached photocopy of USGS 7.5' DeWitt quadrangle, and sketch map of fields walked.



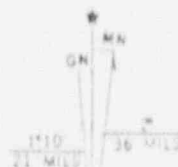


Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1973. Field checked 1975-1978. Map edited 1979

Projection and 10,000-foot grid ticks: Illinois coordinate system: east zone (transverse Mercator)



D.W.H.  
(1979)  
7.5  
Amel

D.W. 2254  
.17

(MAPS)  
324 = 54

## ILLINOIS ARCHAEOLOGICAL SURVEY

Recorded

Survey No.

County DeWitt

Reg. Inst. No. Dw-236A

Twp. Harp

Culture Unknown

Quadrangle DeWitt

Type of site Isolated find

Legal Description (1/4's)

SW 1/4; NW 1/4; NW 1/4; NW 1/4; NE 1/4      Sec. 34      Twp. 20N      Range 3E

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 16

N 4446480

E 342500

Previous owners

Present tenant Reynolds

Directed to site by EIS required; H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) Isolated find; depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and location On south side of low rise in northwest part of Field C. Site trends to southwest. General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply Upland prairie potholes to N; North Fork 1.5 km NW

Drainage Salt Creek

Nearby sites Dw-232A, Dw-233A, Dw-234A, Dw-235A are all in same general area--low flat area and low rise in Fields B and C

Modern occupation (building, plowing, etc.) Plowing

Type of soil Heavy silt loam

Ground cover Soybean stubble, 30-70% visibility

## MATERIAL FROM SITE

1 hammerstone

Surface coll. by Ahler

Date 3/9/00 Institution ISM

Tested by

Date Institution

Excavated by

Date Institution

Nature and extent of survey - Field conditions Walkover survey at about 15 meter interval until cultural material found, then about 5 meter interval to establish site limits. Field C is the southeast 1/4-1/4 section of the project area. A 220-acre area affected by construction of a heat sink dredge/settling pond facility. Field C is in soybean stubble, 30-70% visibility, and soil has been ruined on a lot since harvest.

Curation ISM

## MATERIAL REPORTED AS BELONGING TO SITE

None

Owner of Material

Certainty of Origin

Site reported by Ahler

Date 3/9/00 Visited 3/9/00

Survey report by Ahler

Date 3/9/00

Publications:

None

Photo:

None

Study status:

No additional work is recommended.

Remarks:

This site is labeled Locus 13 on the field maps. It is in Field C, the southeast 1/4-1/4 section field in the project area. It is one of 39 sites found in the same survey of 320 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a siltation pond for dredging the "Ultimate Heat Sink" for the power plant.

Sketch map and artifact drawings.

See attached photocopy of USGS 1:5' DeWitt quadrangle, and sketch map of fields within.



Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1973. Field checked 1975-1978. Map edited 1979

Projection and 10,000-foot grid ticks: Illinois coordinate system, east zone (transverse Mercator)

Scale: 1 inch = 10,000 feet



## ILLINOIS ARCHAEOLOGICAL SURVEY

Recorded

Survey No.

County DeWitt

Reg. Inst. No. Dw-237A

Twp. Hart

Culture Unknown

Quadrangle DeWitt

Type of site Isolated find

Legal Description (1/4's)

SE 1/4: SE 1/4: SW 1/4: NW 1/4: NE 1/4 Sec. 34 Twp. 20N Range 3E

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 16

N 4446160

/E 342625

Previous owners

Present tenant Reynolds

Directed to site by EIS required: H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) isolated find; depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and location On north slope of low lobe overlooking draw to the north and northwest in southwest part of Field 1. General topography is minimally dissected ridges with occasional rises and low wet areas.

Water supply upland prairie potholes to N: North Fork 1.9 km NW

Drainage Salt Creek

Nearby sites Dw-188A is to the west and may be associated. Site may extend farther to south on high ground outside of project area.

Modern occupation (building, plowing, etc.) Plowing

Type of soil Keokuk silt loam

Ground cover Soybean stubble, 30-70% visibility

## MATERIAL FROM SITE

1 flake (may be civil, non-cultural)

Surface coll. by Ahler

Date 3/10/90 Institution ISM

Tested by

Date

Institution

Excavated by

Date

Institution

Nature and extent of survey - Field conditions Walkover survey at about 15 meter interval until cultural material found, then about 5 meter interval to establish site limits. Field 1 is the southeast 1/4-1/4 section of the project area, a 220-acre area affected by construction of a heat sink dredge/settling pond facility. Field 1 is in soybean stubble, 30-70% visibility, and soil has been rained on a lot since harvest.

Curation ISM

MATERIAL REPORTED AS BELONGING TO SITE

None

Owner of Material

Certainty of Origin

Site reported by

Date 3/19/90

Visited 3/19/90

Survey report by

Date 3/19/90



Publications:

None

Photo:

None

Study status:

No additional work is recommended.

Remarks:

This site is labeled Locus 19 on the field maps. It is in Field C, the southeast 1/4-1/4 section field in the project area. It may be associated with Locus 20 (Dw-238A), located just to the west. The site may also extend to the south on higher ground outside of the project area. It is one of 39 sites found in the same survey of 320 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a siltation pond for dredging the "Ultimate Heat Sink" for the power plant.

Sketch map and artifact drawings.

See attached photocopy of USGS 7.5' DeWitt quadrangle, and sketch map of fields walked.

D.W.H.  
(1974)  
7.5"  
Quadr.

D.W.  
7A  
Lucas 19

1 270 000  
FEET

T 20 N  
T 19 N

40°07'30"  
88°52'30"

350 000 FEET

42

43

50' 44

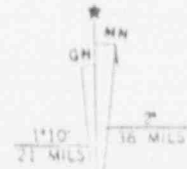
(MAROA)  
3164 10 SW

Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs  
taken 1973. Field checked 1975-1978. Map edited 1979

Projection and 10,000-foot grid ticks: Illinois coordinate  
system, east zone (transverse Mercator)



## ILLINOIS ARCHAEOLOGICAL SURVEY

Recorded

Survey No.

County DeWitt  
Twp. Harp  
Quadrangle DeWitt

Reg. Inst. No. Dw-238A  
Culture Unknown  
Type of site Isolated find

Legal Description (1/4's)

SE 1/4; SW 1/4; SW 1/4; NW 1/4; NE 1/4      Sec. 34      Twp. 20N      Range 3E

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 16

N 4446175

/E 342540

Previous owners

Present tenant Reynolds

Directed to site by EIS required: H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) Isolated find; depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and Location On north slope of low lobe overlooking draw to the north and northwest in southwest part of Field C. General topography is minimally dissected upland with occasional rises and low wet areas.

Water supply Upland prairie potholes to N: North Fork 1.85 km NW

Drainage Salt Creek

Nearby sites Dw-237A is to the east and may be associated. Site may extend farther to south on high ground outside of project area.

Modern occupation (building, plowing, etc.) Plowing

Type of soil Keomah silt loam

Ground cover soybean stubble, 30-70% visibility

## MATERIAL FROM SITE

1 flake

Surface coll. by Ahler

Date 3/10/90 Institution ISM

Tested by

Date

Institution

Excavated by

Date

Institution

Nature and extent of survey - Field conditions Walkover survey at about 15 meter interval until cultural material found, then about 5 meter interval to establish site limits. Field 1 is the southeast 1/4-1/4 section of the project area, a 220-acre area affected by construction of a heat sink dredge/settling pond facility. Field 1 is in soybean stubble, 30-70% visibility, and soil has been rained on a lot since harvest.

Curation ISM

MATERIAL REPORTED AS BELONGING TO SITE

None

Owner of Material

Certainty of Origin

Site reported by Ahler

Date 3/10/90

Visited 3/10/90

Survey report by Ahler

Date 3/10/90

Publications:

None

Photo:

None

Study status:

No additional work is recommended.

Remarks:

This site is labeled Locus 20 on the field maps. It is in Field C, the southeast 1/4-1/4 section field in the project area. It may be associated with Locus 19 (Dw-237A), located just to the east. The site may also extend to the south on higher ground outside of the project area. It is one of 39 sites found in the same survey of 220 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a siltation pond for dredging the "Ultimate Heat Sink" for the power plant.

Sketch map and artifact drawings.

See attached photocopy of USGS 7.5' DeWitt quadrangle, and sketch map of fields walked.



DeWitt  
(1979)  
7.5"  
Quadr.

DeWitt  
20

40°07'30"  
88°52'30"

(MAROA)  
324 30 54

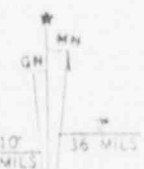
Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1973. Field checked 1975-1978. Map edited 1979

Projection and 10,000-foot grid ticks: Illinois coordinate system, east zone (transverse Mercator)

1:25,000 scale; 1 inch = 2,500 feet





## ILLINOIS ARCHAEOLOGICAL SURVEY

Recorded

Survey No.

County DeWitt

Reg. Inst. No. DW-238A

Twp. Harp

Culture Unknown

Quadrangle DeWitt

Type of site Scatter

Legal Description (1/4's)

NW 1/4; SE 1/4; SE 1/4; NE 1/4; NW 1/4      Sec. 34      Twp. 20N      Range 3E

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 16

N 4446236

E 342385

Previous owners

Present tenant Jesse Spencer

Directed to site by EIS required; H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) 30m diameter; 500 sq. m.; depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and Location On southeast slope of low knoll in southeast part of Field D. Glacial till outcrops with site. General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply North Fork 1.7 km NW; Salt Creek 1.3 km SW

Drainage Salt Creek

Nearby sites DW-240A may be an artifact eroded from this site.

Modern occupation (building, plowing, etc.) Plowing

Type of soil Blackbeak silt loam

Ground cover Soybean stubble, 10-90% visibility

## MATERIAL FROM SITE

3 flakes

1 hammerstone

3 cores

2 pieces chert till

1 center-pitted cobble

1 rock discarded (not modified)

Surface coll. by Ahler

Date 3/10/80 Institution ISM

Tested by

Date

Institution

Excavated by

Date

Institution

Nature and extent of survey - Field conditions Walkover survey at about 15 meter interval until cultural material found, then about 5 meter interval to establish site limits. Field D is the east half of the southeast 1/4-1/4 section of the project area. 220-acre area affected by construction of a heat sink dredge/settling pond facility. Field D is in soybean stubble, 10-90% visibility, and soil has been raised on a lot since harvest.

Curation ISM

## MATERIAL REPORTED AS BELONGING TO SITE

None

Owner of Material

Certainty of Origin

Site reported by Ahler

Date

Visited

Survey report by Ahler

Date

Publications:

None

Photo:

None

Study status:

No additional work is recommended.

Remarks:

This site is labeled Locus 21 on the field maps. It is in Field D, the east half of the southeast 1/4-1/4 section field in the project area. It is one of 39 sites found in the same survey of 220 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a siltation pond for dredging the "Ultimate Heat Sink" for the power plant.

Sketch map and artifact drawings.

See attached photocopy of USGS 7.5" DeWitt quadrangle, and sketch map of fields walked.



# ILLINOIS ARCHAEOLOGICAL SURVEY

Recorded

Survey No.

County DeWitt

Reg. Inst. No. Dw-240A

Twp. Hart

Culture Unknown

Quadrangle DeWitt

Type of site Isolated find

Local Description (1/4's)

SW 1/4; NE 1/4; SE 1/4; NE 1/4; NW 1/4 Sec. 34 Twp. 20N Range 3E

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 16

N 4448290

/E 342380

Previous owners

Present tenant Jesse Spencer

Directed to site by EIS required: H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) Isolated find; depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and location On north slope of low knoll in southeast part of Field B. Item may have eroded from site DW-238A to south (upslope). General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply North Fork 1.5 km NW; Salt Creek 2.0 km SW

Drainage Salt Creek

Nearby sites DW-238A is a more substantial site located about 60 m south.

Modern occupation (building, plowing, etc.) Plowing

Type of soil Birkbeck silt loam

Ground cover Soybean stubble, 10-30% visibility

## MATERIAL FROM SITE

1 flake

Surface coll. by Ahler

Date 3/10/90 Institution ISM

Tested by

Date

Institution

Excavated by

Date

Institution

Nature and extent of survey - Field conditions Walkover survey at about 15 meter interval until cultural material found, then about 5 meter interval to establish site limits. Field D is the east half of the southeast 1/4-1/4 section of the project area, a 220-acre area affected by construction of a heat sink dredge/settling pond facility. Field D is in soybean stubble, 10-30% visibility, and soil has been rained on a lot since harvest.

Curation ISM

## MATERIAL REPORTED AS BELONGING TO SITE

None

Owner of Material

Certainty of Origin

Site reported by Ahler

Date 3/19/90

Visited 3/19/90

Survey report by Ahler

Date 3/19/90

Publications:

None

Photo:

None

Study status:

No additional work is recommended.

Remarks:

This site is labeled Locus 22 on the field maps. It is in field D, the east half of the southeast 1/4-1/4 section field in the project area. It is one of 39 sites found in the same survey of 220 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a siltation pond for dredging the "Ultimate Heat Sink" for the power plant.

Sketch map and artifact drawings.

See attached photocopy of USGS 7.5' DeWitt quadrangle, and sketch map of fields walked.





DeWitt  
(1979)  
7.5'  
Quad

pu-240A  
LUCAS 22

40°07'30"  
88°52'30"

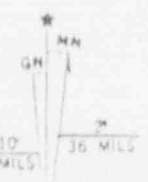
Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1973. Field checked 1975-1978. Map edited 1979

Projection and 10,000-foot grid ticks: Illinois coordinate system-east zone (transverse Mercator)

(MARCO)  
3244 III SW



## ILLINOIS ARCHAEOLOGICAL SURVEY

Recorded

Survey No.

County DeWitt

Reg. Inst. No. Dw-241A

Twp. Harp

Culture Historic and prehistoric

Quadrangle DeWitt

Type of site Habitation

Legal Description (1/4's)

SW 1/4: SW 1/4: SE 1/4: NE 1/4: NW 1/4

Sec. 34

Twp. 20N

Range SE

SE 1/4: SE 1/4: SW 1/4: NE 1/4: NW 1/4

NW 1/4: NE 1/4: NW 1/4: SE 1/4: NW 1/4

NE 1/4: NE 1/4: NW 1/4: SE 1/4: NW 1/4

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 16

N 4446140

E 342230

Previous owners

Present tenant Jesse Spencer

Directed to site by EIS required: H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) 140m E-W; 110m N-S; 6600 sq. m.; depth unknown

Previous excavation None

Pitting None observed

ENVIRONMENT

Topography and Location On and around small knoll in southeast part of Field E. Overlooks a draw to the south. General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply North Fork 1.55 km NW; Salt Creek 1.8 km SW

Drainage Salt Creek

Nearby sites

Modern occupation (building, plowing, etc.) Plowing, remnants of historic structures

Type of soil Ipava silt loam

Ground cover Corn stubble, 10-90% visibility

## MATERIAL FROM SITE

9 white glass; 3 green glass bottle bases, one made in snap case mold; 1 coralt blue; 2 amethyst, and 2 green glass blown bottle necks; 1 pressed white glass; 1 pink glass; 13 green glass; 1 clear pressed glass; 5 amethyst glass; 1 insid glass; 11 salt glazed crockery; 32 plain crockery; 44 whiteware (3 with decala, 1 hand-painted, 2 Royal Ironstone with Alfred Meakin England mark); 9 jar lids; 1 double-bitted axe frag; 1 electric fence insulators; 11 flakes, 1 core; 1 scraper

Surface coll. by Ahler

Date 3/10/90 Institution ISM

Tested by

Date

Institution

Excavated by

Date

Institution

Nature and extent of survey - Field conditions Walkover survey at about 15 meter interval until cultural material found, then about 5 meter interval to establish site limits. Field E is the west half of the southeast 1/4-1/4 section of the project area, a 220-acre area affected by construction of a heat sink dredge/settling pond facility. Field E is in corn stubble, 10-90% visibility, and soil has been rained on a lot since harvest.

Curation ISM

## MATERIAL REPORTED AS BELONGING TO SITE

None

Owner of Material

Certainty of Origin

Site reported by Ahler

Date 1/90

Visited 1/90

Survey report by Ahler

Date 1/90

**Publications:**

None

**Photo:**

None

**Study status:**

No additional work is recommended.

**Remarks:**

This site is labeled Locus 23 on the field maps. It is in Field E, the west half of the southeast 1/4-1/4 section field in the project area. It is primarily an historic scatter, but there is a light density of prehistoric material as well, especially to the northeast of the main scatter. Numerous pieces of brick, rock, concrete, and clinkers were observed in the field but not collected. The materials recovered and the plat maps indicate historic occupation from about 1870 to 1920. The remains of a concrete foundation (8 feet square) were located about 20 meters west of the center point of the site (see TM's), but no standing architecture was noted. To the west of the corn field is the uncultivated former house lot, not in grass with cedar trees on the north border. Though the site is more than 50 years old, no additional work is recommended. It is one of 39 sites found in the same survey of 320 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a siltation pond for dredging the "Ultimate Heat Sink" for the power plant.

Sketch map and artifact drawings.

See attached photocopy of USGS 7.5' DeWitt quadrangle, and sketch map of fields walked.

D & W. H.  
(1979)  
7.5'  
Quadr

241A  
Locus 23



Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1973. Field checked 1975-1978. Map edited 1979

Projection and 10,000-foot grid ticks: Illinois coordinate system, east zone (transverse Mercator)

IMAP041  
3244 W 5W



## ILLINOIS ARCHAEOLOGICAL SURVEY

## Recorded

## Survey No.

County DeWitt

Reg. Inst. No. Dw-242A

Twp. Harp

Culture Unknown

Quadrangle DeWitt

Type of site Scatter

Legal Description (1/4's)

SE 1/4; SE 1/4; NW 1/4; NE 1/4; NW 1/4

Sec. 34

Twp. 20N

Range 3E

NE 1/4; NE 1/4; SW 1/4; NE 1/4; NW 1/4

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 16

N 4446360

/E 342225

Previous owners

Present tenant Jesse Spencer

Directed to site by EIS required: H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) 20 m diameter; 300 sq. m.; depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and Location On crest and north slope of low knoll in center part of Field E.

General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply North Fork 1.45 km NW; Salt Creek 1.3 km SW

Drainage Salt Creek

Nearby sites

Modern occupation (building, plowing, etc.) Plowing

Type of soil Birkbeck silt loam

Ground cover Corn stubble, 10-90% visibility

## MATERIAL FROM SITE

7 flakes

1 chert till

1 rock discarded (not modified)

Surface coll. by Ahler

Date 3/10/80 Institution ISM

Tested by

Date

Institution

Excavated by

Date

Institution

Nature and extent of survey - Field conditions Walkover survey at about 15 meter interval until cultural material found, then about 5 meter interval to establish site limits. Field E is the west half of the southeast 1/4-1/4 section of the project area, a 220-acre area affected by construction of a heat sink dredge/settling pond facility. Field E is in corn stubble, 10-90% visibility, and soil has been rained on a lot since harvest.

Curation ISM

MATERIAL REPORTED AS BELONGING TO SITE

None

Owner of Material

Certainty of Origin

Site reported by Ahler

Date

Visited

Survey report by Ahler

Date



Publications:

None

Photo:

None

Study status:

No additional work is recommended.

Remarks:

This site is labeled Locus 24 on the field maps. It is in Field E, the west half of the southeast 1/4-1/4 section field in the project area. It is one of 39 sites found in the same survey of 220 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a siltation pond for dredging the "Ultimate Heat Sink" for the power plant.

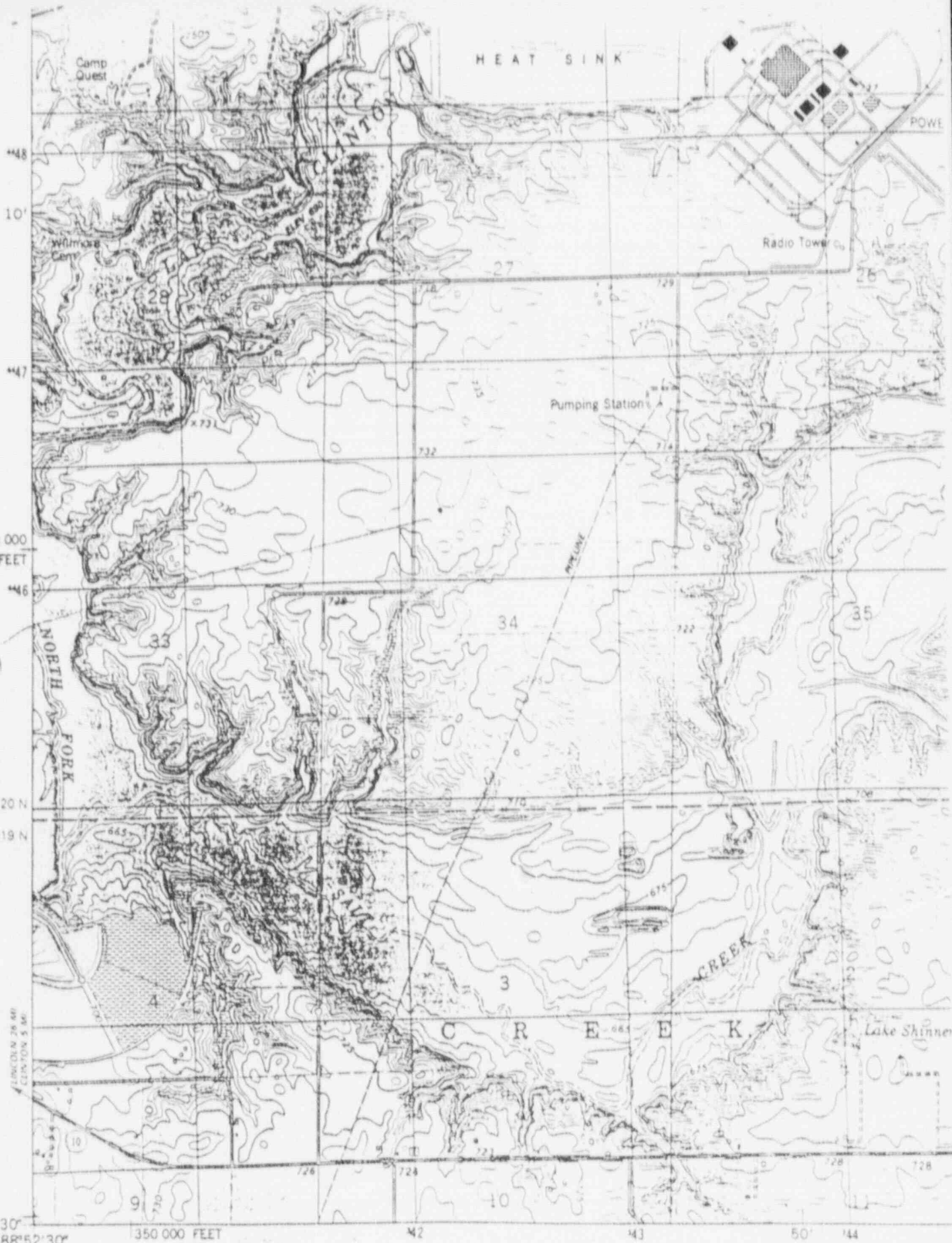
Sketch map and artifact drawings.

See attached photocopy of USGS 7.5" Dewitt quadrangle, and sketch map of fields walked.

DeWitt  
(1979)  
7.5"  
Quadr

DW-242A  
(W) 24

(MAROA)  
3244 19 SW

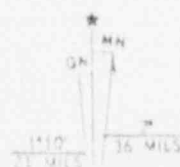


Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1973. Field checked 1975-1978. Map edited 1979

Projection and 10,000-foot grid ticks: Illinois coordinate system, east zone (transverse Mercator)



## ILLINOIS ARCHAEOLOGICAL SURVEY

Recorded

Survey No.

County DeWitt

Reg. Inst. No. Dw-243A

Twp. Harp

Culture Terminal Archaic

Quadrangle DeWitt

Type of site Habitation

Legal Description (1/4's)

NE 1/4: NW 1/4: NW 1/4: NE 1/4: NW 1/4 Sec. 34 Twp. 20N Range 3E

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 16

N 4446525

/E 342150

Previous owners

Present tenant Jesse Spencer

Directed to site by SIS required: H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) 50 m NE-SW; 30 m NW-SE; 1100 sq. m. ;depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and Location On southeast side of very low rise in otherwise flat field, northwest corner of Field E. General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply North Fork 1.3 km NW; prairie potholes to northeast

Drainage Salt Creek

Nearby sites Dw-244A is immediately adjacent to northwest

Modern occupation (building, plowing, etc.) Plowing

Type of soil Birkbeck silt loam

Ground cover Corn stubble, 10-20% visibility

## MATERIAL FROM SITE

11 flakes

1 thick biface fragment

1 Terminal Archaic Merom/Timble like point

1 core

Surface coll. by Ahler

Date 3/10/90 Institution ISM

Tested by

Date

Institution

Excavated by

Date

Institution

Nature and extent of survey - Field conditions Walkover survey at about 15 meter interval until cultural material found, then about 5 meter interval to establish site limits. Field E is the west half of the southeast 1/4-1/4 section of the project area. 22+ acre area affected by construction of a heat sink dredge/settling pond facility. Field E is in corn stubble, 10-20% visibility, and soil has been rained on a lot since harvest.

Curation ISM

## MATERIAL REPORTED AS BELONGING TO SITE

None

Owner of Material

Certainty of Origin

Site reported by

Date 3/13/90

Visited 1/11/91

Survey report by

Date 3/13/90

Publications:

None

Photo:

None

Study status:

Recommend additional work. Site will be impacted by construction, so site should be disked and re-collected. Then plowzone should be mechanically stripped and any exposed features excavated.

Remarks:

This site is labeled Locus 25 on the field maps. It is in Field E, the west half of the southeast 1/4-1/4 section field in the project area. It is one of 39 sites found in the same survey of 220 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a siltation pond for dredging the "Ultimate Heat Sink" for the power plant.

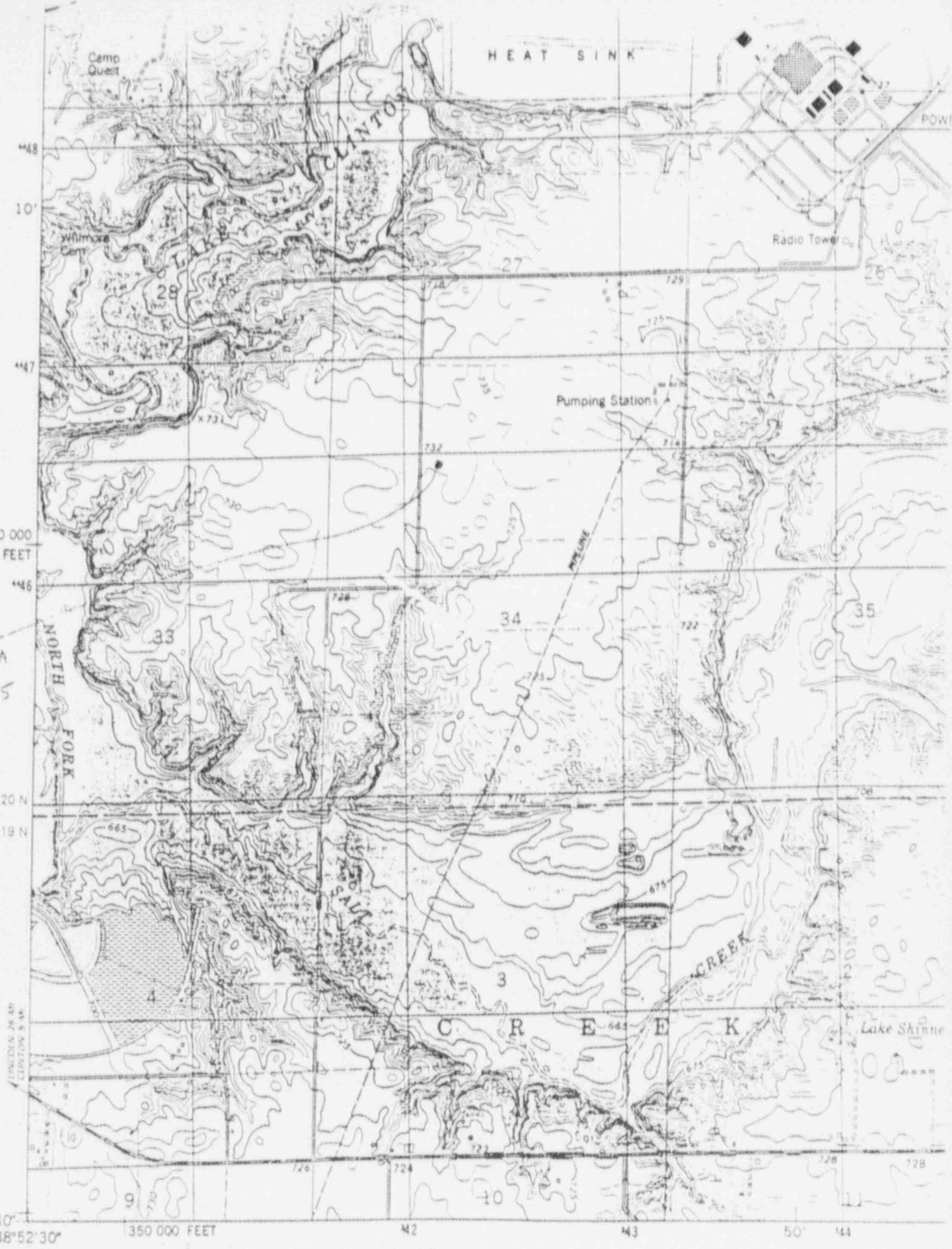
Sketch map and artifact drawings.

See attached photocopy of USGS 7.5' DeWitt quadrangle, and sketch map of fields walked.



D.W.H.  
(1979)  
7.5'  
Quadr.

OW-243A  
June 25



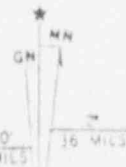
Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1973. Field checked 1975-1978. Map edited 1979

Projection and 10,000-foot grid ticks: Illinois coordinate system, east zone (transverse Mercator)

IMAROA  
356 m SW





## ILLINOIS ARCHAEOLOGICAL SURVEY

Recorded

Survey No.

County DeWitt  
Twp. Harp  
Quadrangle DeWitt

Reg. Inst. No. DW-244A  
Culture Historic  
Type of site Schoolhouse

## Legal Description (1/4's)

NW 1/4: NW 1/4: NW 1/4: NE 1/4: NW 1/4      Sec. 34      Twp. 20N      Range 3E  
SW 1/4: SW 1/4: SW 1/4: SE 1/4: SW 1/4      Sec. 27

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 18

N 4448540

E 342110

Previous owners

Present tenant Jesse Spencer

Directed to site by EIS required: H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) 60 m N-S; 50 m E-W; 3200 sq. m. ;depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and Location On crest of very low rise in otherwise flat field, northwest corner of Field E. General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply North Fork 1.3 km NW; prairie potholes to northeast

Drainage Salt Creek

Nearby sites DW-243A is immediately adjacent to southeast

Modern occupation (building, plowing, etc.) Plowing; small depression that may be a foundation remnant

Type of soil Birkbeck silt loam

Ground cover Corn stubble, 10-90% visibility

## MATERIAL FROM SITE

2 white pressed or molded glass; 1 clear pressed glass; 1 clear bottle glass; 1 bottle base; 2 stoneware crockery; 5 plain whiteware; 1 hand-painted whiteware; 1 decal whiteware; 3 mussel shells; 3 glazed brick tiles

Numerous pieces brick, rock, concrete, glazed tiles not collected.

Surface coll. by Ahler

Date 3/10/90 Institution ISM

Tested by

Date

Institution

Excavated by

Date

Institution

Nature and extent of survey - Field conditions Walkover survey at about 15 meter interval until cultural material found, then about 5 meter interval to establish site limits. Field E is the west half of the southeast 1/4-1/4 section of the present area. A 220-acre area affected by construction of a heat sink dredge settling pond facility. Field E is in corn stubble, 10-90% visibility, and soil has been rained on a lot since harvest.

Curation ISM

## MATERIAL REPORTED AS BELONGING TO SITE

None

Owner of Material

Certainty of Origin

Site reported by Ahler

Date

Visited

Survey report by Ahler

Date

**Publications:**

None

**Photo:**

None

**Study status:**

Not recommend for any additional work, due to the low density of debris and lack of intact architecture.

**Remarks:**

This site is labeled locus 26 on the field maps. It is in Field E, the west half of the southeast 1/4-1/4 section field in the project area. It corresponds to the location of School No. 6 on the 1915 and 1945 plat maps for DeWitt County. A small depression, measuring about 8 x 12 feet was found south of the main area of debris, but within the site limits. This depression may represent the remains of a structure foundation, but no intact or in-place structural elements were observed. This site is one of 39 sites found in the same survey of 220 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a siltation pond for dredging the "Ultimate Heat Sink" for the power plant.

Sketch map and artifact drawings.

See attached photocopy of USGS 7.5' DeWitt quadrangle, and sketch map of fields walked.

DeWitt  
(1979)  
7.5"  
Quad

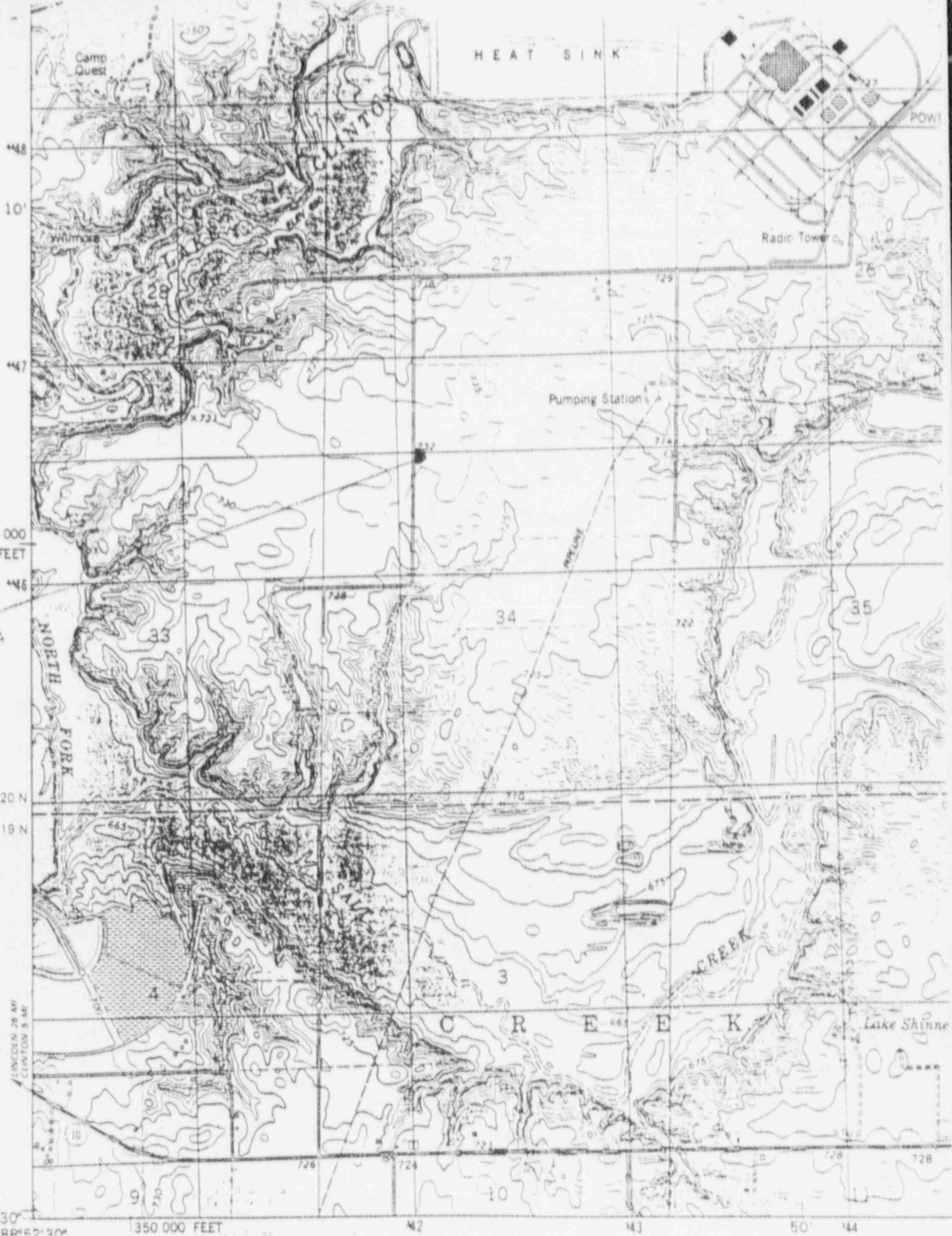
DW-244A  
u 26

40°07'30"  
88°52'30"

(MADDA)  
326 W SW

Mapped, edited, and published by the Geological Survey  
Control by USGS and NOS/NOAA  
Topography by photogrammetric methods from aerial photographs  
taken 1973. Field checked 1975-1978. Map edited 1979  
Projection and 10,000-foot grid ticks: Illinois coordinate  
system, east zone (transverse Mercator)

1" = 10' = 36 MILES  
1" = 10' = 36 MILES





# ILLINOIS ARCHAEOLOGICAL SURVEY

## Recorded

## Survey No.

County DeWitt  
Twp. Harp  
Quadrangle DeWitt  
Legal Description (1/4's)

Reg. Inst. No. Dw-245A  
Culture Early Archaic and Late Woodland  
Type of site Habitation/scatter

SE 1/4: SE 1/4: NW 1/4: SE 1/4: NW 1/4      Sec. 34      Twp. 20N      Range 3E

Site owner Illinois Power Co., contact H. E. Chamblin  
Site address Decatur, Ill

U.T.M. Zone 16

N 4446050

/E 342205

## Previous owners

Present tenant Jesse Spencer

Directed to site by EIS required: H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) 30 m E-W; 20 m N-S; 250 sq. m.; depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and Location On south slope of knoll overlooking a draw to the south, southwest corner of Field E. General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply Salt Creek 1.5 km SW.

Drainage Salt Creek

Nearby sites Dw-241A is on knoll crest to north

Modern occupation (building, plowing, etc.) Plowing

Type of soil Birsbeck silt loam

Ground cover Corn stubble, 10-90% visibility

## MATERIAL FROM SITE

5 flakes

1 LW/Miss triangular point

1 core

1 scraper

2 chert till pieces

Surface coll. by Ahler

Date 3/11/90 Institution ISM

Tested by

Date

Institution

Excavated by

Date

Institution

Nature and extent of survey - Field conditions Walkover survey at about 15 meter interval until cultural material found, then about 5 meter interval to establish site limits. Field E is the west half of the southeast 1/4-1/4 section of the project area. The area is affected by construction of a heat sink dredge/settling pond facility. Field E is in corn stubble, 10-90% visibility, and soil has been rained on a lot since survey.

Curation ISM

## MATERIAL REPORTED AS BELONGING TO SITE

Early Archaic (Savertail) point; 1 Early Archaic Kirk-like point

Owner of Material (as listed): DeWitt, IL

Certainty of Origin (ISM)

Site reported by Ahler

Date 7/19/90

Visited 7/11

Survey report by Ahler

Date 7/19/90

**Publications:**

None

**Photo:**

None

**Study status:**

Recommended for additional work. Site will be impacted by construction of dredge/siltation facility. Recommend disking and re-collection, followed by mechanical removal of plowzone and excavation of any exposed features.

**Remarks:**

This site is labeled Locus 27 on the field maps. It is in Field 9, the west half of the southeast 1/4-1/4 section field in the project area. It is one of 39 sites found in the same survey of 220 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a siltation pond for dredging the 'Ultimate Heat Sink' for the power plant.

Sketch map and artifact drawings.

See attached photocopy of USGS 7.5' DeWitt quadrangle, and sketch map of fields walked.





# ILLINOIS ARCHAEOLOGICAL SURVEY

Recorded

Survey No.

County DeWitt

Reg. Inst. No. Dw-246A

Twp. Harp

Culture Middle Archaic

Quadrangle DeWitt

Type of site Lithic scatter

Legal Description (1/4's)

SW 1/4; SW 1/4; NW 1/4; SE 1/4; SW 1/4 Sec. 27 Twp. 20N Range 3E

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 16

N 4446760

E 342105

Previous owners

Present tenant Reynolds

Directed to site by EIS required: H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) 10 m E-W; 5 m N-S; 100 sq. m.; depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and location On almost flat area, very low lobe in west-center part of Field F. General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply North Fork 1.1 km NW.

Drainage North Fork

Nearby sites

Modern occupation (building, plowing, etc.) Plowing

Type of soil Birkbeck silt loam

Ground cover Corn stubble, 30-70% visibility

## MATERIAL FROM SITE

1 flake

1 Middle Archaic side-notched point

1 chert till piece

Surface coll. by Ahler

Date 3/11/90 Institution ISM

Tested by

Date Institution

Excavated by

Date Institution

Nature and extent of survey - Field conditions Walkover survey at about 15 meter interval until cultural material found, then about 5 meter interval to establish site limits. Field F is the west central 1/4-1/4 section of the project area, a 120-acre area affected by construction of a heat sink dredge/settling pond facility. Field F is in corn stubble, 30-70% visibility, and soil has been rained on a lot since harvest.

Curation ISM

## MATERIAL REPORTED AS BELONGING TO SITE

Owner of Material

Certainty of Origin

Site report by Ahler

Date 4/19/90

Visited 4/11/90

Survey report by Ahler

Date 4/19/90

Publications:

None

Photo:

None

Study status:

Recommended for additional work. Site will be impacted by construction of dredge/siltation facility. Recommend disking and re-collection, followed by mechanical removal of plowzone and excavation of any exposed features.

Remarks:

This site is labeled Locus 28 on the field maps. It is in Field F, the west central 1/4-1/4 section field in the project area. It is one of 39 sites found in the same survey of 220 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a siltation pond for dredging the "Ultimate Heat Sink" for the power plant.

Sketch map and artifact drawings.

See attached photocopy of USGS 7.5' Dewitt quadrangle, and sketch map of fields walked.

DeWitt  
(1979)  
7.5'  
Quadr.

DW-246A  
Locus 28

1:270,000  
FEET



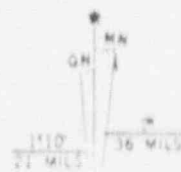
Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs  
taken 1973. Field checked 1975-1978. Map edited 1979

Projection and 10,000-foot grid ticks: Illinois coordinate  
system, east zone (transverse Mercator)

(MARO) 324 = SW





## ILLINOIS ARCHAEOLOGICAL SURVEY

## Recorded

## Survey No.

County DeWitt

Reg. Inst. No. Dw-247A

Twp. Harp

Culture Unknown

Quadrangle DeWitt

Type of site Lithic scatter

## Legal Description (1/4's)

SW 1/4; NE 1/4; SW 1/4; SE 1/4; SW 1/4

Sec. 27

Twp. 20N

Range 3E

NW 1/4; SE 1/4; SW 1/4; SE 1/4; SW 1/4

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 16

N 4448660

/E 342195

Previous owners

Present tenant Reynolds

Directed to site by EIS required: H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) 30 m E-W; 15 m N-S; 180 sq. m.; depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and Location On almost flat area, poorly drained level uplands in southwest part of Field F. General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply North Fork 1.35 km NW.

Drainage Salt Creek

Nearby sites

Modern occupation (building, plowing, etc.) Plowing

Type of soil Rozetta silt loam

Ground cover Corn stubble, 30-70% visibility

## MATERIAL FROM SITE

7 flakes

1 core

Surface coll. by Ahler

Date 3/11/90 Institution ISM

Tested by

Date

Institution

Excavated by

Date

Institution

Nature and extent of survey - Field conditions Walkover survey at about 15 meter interval until cultural material found, then about 5 meter interval to establish site limits. Field F is the west central 1/4-1/4 section of the project area, a 120-acre area affected by construction of a heat sink dredge/settling pond facility. Field F is in corn stubble, 30-70% visibility, and soil has been rained on a lot since harvest.

Curation ISM

## MATERIAL REPORTED AS BELONGING TO SITE

Owner of Material

Certainty of Origin

Site reported by Ahler

Date 3/11/90

Visited 3/11/90

Survey report by Ahler

Date 3/11/90



Publications:  
None

Photo:  
None

Study status:  
Not recommended for additional work.

Remarks:

This site is labeled Locus 28 on the field maps. It is in Field F, the west central 1/4-1/4 section field in the project area. It is one of 39 sites found in the same survey of 220 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a siltation pond for dredging the "Ultimate Heat Sink" for the power plant.

Sketch map and artifact drawings.

See attached photocopy of USGS 7.5' DeWitt quadrangle, and sketch map of fields walked.

DeWitt  
(1979)  
7.5'  
Quadr.

DW-247A  
Lucas 29

1 270 000  
FEET

T 20 N

T 19 N

1000 N 26 40  
CENTON S 50

40°07'30"  
88°52'30"

350 000 FEET

M2

M3

50'

144

HEAT SINK

POWE

Radio Tower

Pumping Stations

NORTH  
FORK

CREEK

Lake Shinner

Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs  
taken 1973. Field checked 1975-1978. Map edited 1979

Projection and 10,000-foot grid ticks, Illinois coordinate  
system, east zone (transverse Mercator)

(MAROA)  
324 38 SW

GN  
MN  
1°10'  
35 MILS  
21 MILS

1000

## ILLINOIS ARCHAEOLOGICAL SURVEY

Recorded

Survey No.

County DeWitt

Reg. Inst. No. Dw-248A

Twp. Harp

Culture Terminal Archaic

Quadrangle DeWitt

Type of site Lithic scatter

Legal Description (1/4's)

SW 1/4: SW 1/4: SW 1/4: NE 1/4: SW 1/4

Sec. 27

Twp. 20N

Range 3E

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 16

N 4446965

/E 342105

Previous owners

Present tenant Jesse Spencer (?)

Directed to site by EIS required: H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) 30 m NW-SE; 10 m NE-SW; 300 sq. m.; depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and Location On gentle slope overlooking small draw to north, in southwest part of Field G. General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply North Fork 0.3 km NW.

Drainage North Fork

Nearby sites

Modern occupation (building, plowing, etc.) Plowing

Type of soil Birkbeck silt loam

Ground cover Corn stubble, 30-70% visibility

## MATERIAL FROM SITE

4 flakes

1 Terminal Archaic Merom/Trimble point

Surface coll. by Ahler

Date 3/11/90 Institution ISM

Tested by

Date

Institution

Excavated by

Date

Institution

Nature and extent of survey - Field conditions Walkover survey at about 15 meter interval until cultural material found, then about 5 meter interval to establish site limits. Field G is the northwest 1/4-1/4 section of the project area, a 220-acre area affected by construction of a heat sink dredge/settling pond facility. Field G is in corn stubble, 30-70% visibility, and soil has been rained on a lot since harvest.

Curation ISM

## MATERIAL REPORTED AS BELONGING TO SITE

Owner of Material

Certainty of Origin

Site reported by Ahler

Date 3/19/90

Visited 3/11/90

Survey report by Ahler

Date 3/19/90

● Publications:

None

Photo:

None

Study status:

Recommended for additional work. Site should be disked and re-collected, followed by mechanical removal of plowzone and excavation of any exposed features.

Remarks:

This site is labeled Locus 30 on the field maps. It is in Field G, the northwest 1/4-1/4 section field in the project area. It is one of 39 sites found in the same survey of 220 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a siltation pond for dredging the "Ultimate Heat Sink" for the power plant.

Sketch map and artifact drawings.

See attached photocopy of USGS 7.5" DeWitt quadrangle, and sketch map of fields walked.

DeWitt  
(1979)  
7.5"  
Quadr

DW  
248A  
LOCAL 30

1 270 000  
FEET

NORTH  
FOK

T 20 N

T 19 N

SECTION 26 46  
SECTION 5 46

40°07'30"  
88°52'30"

350 000 FEET

M2

M3

50'

144

Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs  
taken 1973. Field checked 1975-1978. Map edited 1979

Projection and 10,000-foot grid (cks: Illinois coordinate  
system, east zone (transverse Mercator)

(MARCA)  
3264 10 54

GN  
MN  
1110'  
35 MILES  
21 MILES

1000





## ILLINOIS ARCHAEOLOGICAL SURVEY

## Recorded

## Survey No.

County DeWitt

Reg. Inst. No. Dw-249A

Twp. Harr

Culture Unknown

Quadrangle DeWitt

Type of site Isolated find

Legal Description (1/4's)

NW 1/4: NW 1/4: NW 1/4: NE 1/4: SW 1/4 Sec. 27 Twp. 20N Range 3E

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 16

N 4447360

/E 342115

Previous owners

Present tenant Jesse Spencer (?)

Directed to site by EIS required: H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) Isolated find; depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and Location On steep slope overlooking draw to northwest, in northwest corner of Field G. General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply North Fork U.S. on SW.

Drainage North Fork

Nearby sites Dw-250A and Dw-251A are located upslope to southeast

Modern occupation (building, plowing, etc.) Plowing

Type of soil Birkbeck silt loam

Ground cover Corn stubble, 30-70% visibility

## MATERIAL FROM SITE

1 thin surface fragment

Surface coll. by Ahler

Date 3/11/90 Institution ISM

Tested by

Date

Institution

Excavated by

Date

Institution

Nature and extent of survey - Field conditions Walkover survey at about 15 meter interval until cultural material found, then about 5 meter interval to establish site limits. Field G is the northwest 1/4-1/4 section of the project area, a 220-acre area affected by construction of a heat sink dredge/settling pond facility. Field G is in corn stubble, 30-70% visibility, and soil has been rained on a lot since harvest.

Curation ISM

## MATERIAL REPORTED AS BELONGING TO SITE

Owner of Material

Certainty of Origin

Site reported by Ahler

Date 3/19/90

Visited 3/11/90

Survey report by Ahler

Date 3/19/90

Publications:

None

Photo:

None

Study status:

Not recommended for additional work.

Remarks:

This site is labeled Locus 31 on the field maps. It is in Field G, the northwest 1/4-1/4 section field in the project area. This single item may have eroded from one of two sites located upslope (southeast). It is one of 39 sites found in the same survey of 230 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a siltation pond for dredging the "Ultimate Heat Sink" for the power plant.

Sketch map and artifact drawings.

See attached photocopy of USGS 7.5' DeWitt quadrangle, and sketch map of fields walked.

Dr W. H.  
(1979)  
7.5"  
Quadr.

DW.  
249A  
Lucas 31

1:270 000  
1:270 000

40°07'30"

88°52'30"

350 000 FEET

M2

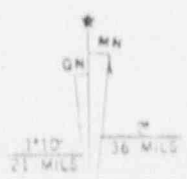
M3

50'

144

(MADAI)  
374 in SW

Mapped, edited, and published by the Geological Survey  
Control by USGS and NOS/NOAA  
Topography by photogrammetric methods from aerial photographs  
taken 1973. Field checked 1975-1978. Map edited 1979  
Projection and 10,000-foot grid ticks: Illinois coordinate  
system, east zone (transverse Mercator)



## ILLINOIS ARCHAEOLOGICAL SURVEY

Recorded

Survey No.

County DeWitt

Reg. Inst. No. Dw-250A

Twp. Harp

Culture Unknown

Quadrangle DeWitt

Type of site Lithic scatter

Legal Description (1/4's)

SW 1/4; NW 1/4; NW 1/4; NE 1/4; SW 1/4      Sec. 27      Twp. 20N      Range 3E

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 16

N 4447285

E 342135

Previous owners

Present tenant Jesse Spencer (?)

Directed to site by EIS required: H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) 30m N-S; 20m E-W; 500 sq. m.; depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and location On crest and northwest steep slope overlooking draw to northwest, in northwest corner of Field G. General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply North Fork 0.7 km NW; prairie potholes to east

Drainage North Fork

Nearby sites Dw-249A and Dw-251A are located nearby

Modern occupation (building, plowing, etc.) Plowing

Type of soil Rosetta silt loam

Ground cover Corn stubble, 30-70% visibility

## MATERIAL FROM SITE

1 thick biface fragment

6 flakes

1 core

1 rock discarded (not modified)

Surface coll. by Ahler

Date 3/11/90 Institution ISM

Tested by

Date

Institution

Excavated by

Date

Institution

Nature and extent of survey - Field conditions Walkover survey at about 15 meter interval until cultural material found, then about 5 meter interval to establish site limits. Field G is the northwest 1/4-1/4 section of the project area, a 220-acre area affected by construction of a heat sink dredge/settling pond facility. Field G is in corn stubble, 30-70% visibility, and soil has been rained on a lot since harvest.

Curation ISM

## MATERIAL REPORTED AS BELONGING TO SITE

Owner of Material

Certainty of Origin

Site reported by Ahler

Date 3/11/90

Visited 3/11/90

Survey report by Ahler

Date 3/11/90

Publications:

None

Photo:

None

Study status:

Not recommended for additional work.

Remarks:

This site is labeled Locus 32 on the field maps. It may be associated with or part of Locus 251A, about 30 m to the east. It is in Field G, the northwest 1/4-1/4 section field in the project area. It is one of 38 sites found in the same survey of 220 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a diltation pond for dredging the "Ultimate Heat Sink" for the power plant.

Sketch map and artifact drawings.

See attached photocopy of USGS 7.5' DeWitt quadrangle, and sketch map of fields wained.



DeWitt  
(1979)  
7.5"  
Quadr

OW-250A  
locus 32

1 270 000  
FEET

T 20 N

T 19 N

LONGITUDE 25 40  
EASTING 5 40

40°07'30"  
88°52'30"

(MADON)  
324 W SW



Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs  
taken 1973. Field checked 1975-1978. Map edited 1979

Projection and 10,000-foot grid ticks: Illinois coordinate  
system, east zone (transverse Mercator)



# ILLINOIS ARCHAEOLOGICAL SURVEY

Recorded

Survey No.

County DeWitt

Reg. Inst. No. Dw-251A

Twp. Farr

Culture Unknown

Quadrangle DeWitt

Type of site Lithic scatter

Legal Description (1/4's)

SE 1/4; NW 1/4; NW 1/4; NE 1/4; SW 1/4 Sec. 27 Twp. 20N Range 3E

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 16

N 4447290

/E 342175

Previous owners

Present tenant Jesse Greuter (?)

Directed to site by EIS required: H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) 35m N-S; 15m E-W; 500 sq. m.; depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and Location On crest and northwest steep slope overlooking draw to northwest in northwest corner of Field G. General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply North Fork 1.5 km NW; prairie potholes to east

Drainage North Fork

Nearby sites Dw-249A and Dw-250A are located nearby

Modern occupation (building, plowing, etc.) Plowing

Type of soil Birkbeck silt loam

Ground cover Corn stubble, 30-70% visibility

## MATERIAL FROM SITE

2 flakes

1 core

Surface coll. by Ahler

Date 3/11/90 Institution ISM

Tested by

Date

Institution

Excavated by

Date

Institution

Nature and extent of survey - Field conditions Walkover survey at about 15 meter interval until cultural material found, then about 5 meter interval to establish site limits. Field G is the northwest 1/4-1/4 section of the project area, a 220-acre area affected by construction of a heat sink dredge/settling pond facility. Field G is in corn stubble, 30-70% visibility, and soil has been rained on a lot since harvest.

Curation ISM

## MATERIAL REPORTED AS BELONGING TO SITE

Owner of Material

Certainty of Origin

Site reported by Ahler

Date 3/19/90

Visited 3/11/90

Survey report by Ahler

Date 3/19/90

Publications:

None

Photo:

None

Study status:

Not recommended for additional work.

Remarks:

This site is labeled Locus 33 on the field maps. It may be associated with or part of Dw-250A, about 30 m to the west. It is in field G, the northwest 1/4-1/4 section field in the project area. It is one of 39 sites found in the same survey of 220 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a siltation pond for dredging the "Ultimate Heat Sink" for the power plant.

Sketch map and artifact drawings.

See attached photocopy of USGS 7.5' DeWitt quadrangle, and sketch map of fields walked.

D.W.H.  
(1979)  
7.5"  
Quadr.

DW-251A  
LUCAS 33

1:270,000  
FEET

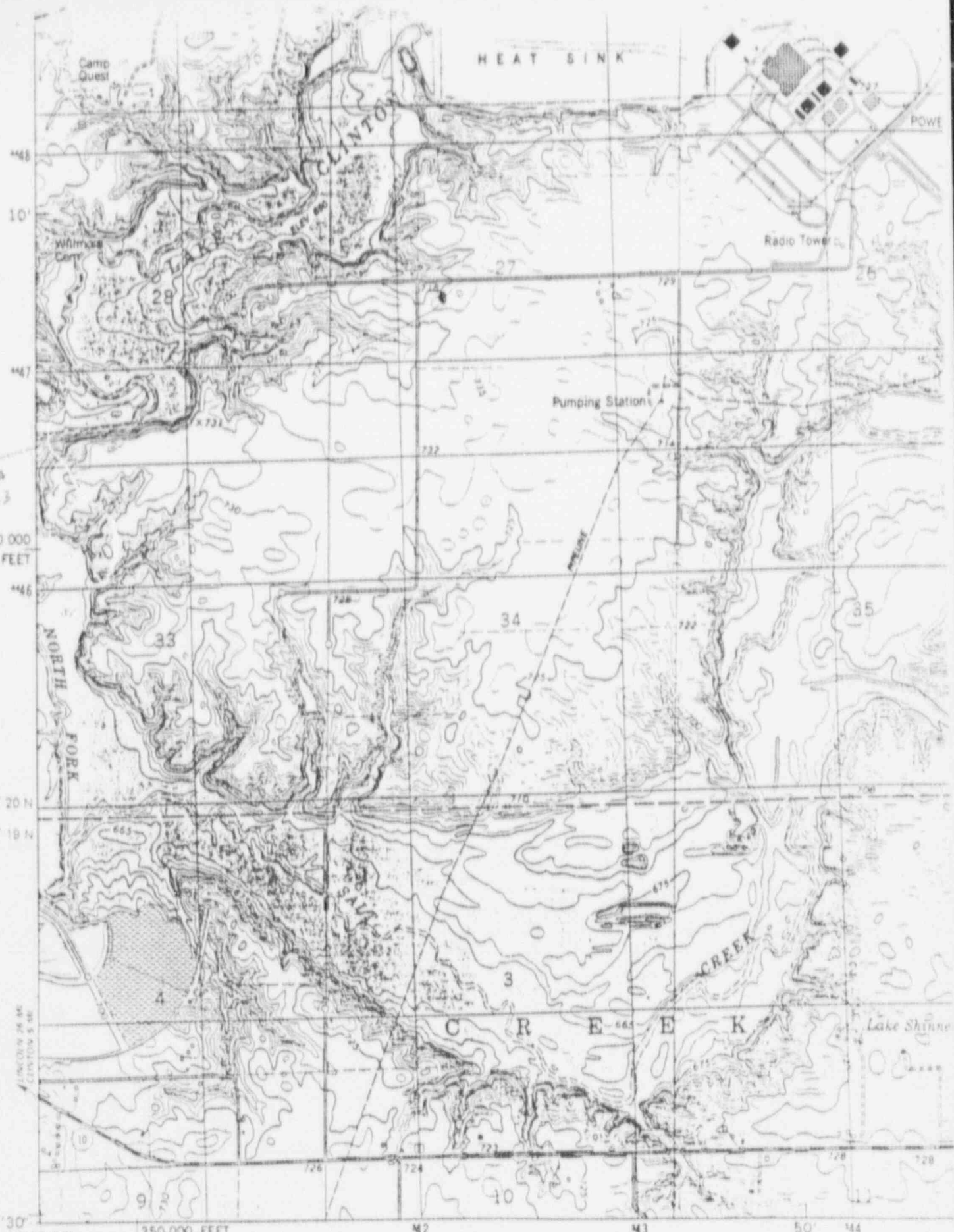
40°07'30"  
88°52'30"

350,000 FEET

MAR041  
3164 0 SW

Mapped, edited, and published by the Geological Survey  
Control by USGS and NOS/NOAA  
Topography by photogrammetric methods from aerial photographs  
taken 1973. Field checked 1975-1978. Map edited 1979  
Projection and 10,000-foot grid ticks: Illinois coordinate  
system, east zone (transverse Mercator)

1:10  
21 MILS  
36 MILS





## ILLINOIS ARCHAEOLOGICAL SURVEY

Recorded

Survey No.

County DeWitt

Reg. Inst. No. Dw-253A

Twp. Harp

Culture Historic and prehistoric

Quadrangle DeWitt

Type of site Habitation/scatter

Legal Description (1/4's)

NE 1/4; NW 1/4; NE 1/4; SW 1/4

Sec. 27

Twp. 30N

Range 3E

W 1/2; NW 1/4; NE 1/4; NE 1/4; SW 1/4

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 16

N 4447310

E 341235

Previous owners

Present tenant Jesse Spencer (?)

Directed to site by EIS required: H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) 105m E-W; 100m N-S; 8300 sq. m.; depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and location On crest and surrounding slopes of small prominent knoll in north central part of Field G. General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply North Fork 0.8 km NW; prairie potholes to east

Drainage North Fork

Nearby sites Dw-254A is adjacent to the southeast

Modern occupation (building, plowing, etc.) Plowing

Type of soil Birkbeck silt loam

Ground cover Corn stubble, 30-70% visibility

## MATERIAL FROM SITE

12 flakes; 1 core; 1 perforator; 4 rocks discarded; 35 flat glass; 40 bottle glass (4 clear, 2 amber, 24 green, 13 amethyst, 6 white); 2 miscellaneous glass; 5 blown bottle necks (2 green, 3 amethyst); 3 screw jar necks; 5 bottle bases (4 green, one amethyst); 30 stoneware crockery; 1 piece blue slip crockery; 143 whiteware/earthenware (112 plain, 13 with decals, 11 hand-painted, 1 sponge pattern, 1 "Flown Blue"); 1 yellow earthenware; 1 porcelain; 1 probable porcelain doll fragment; 1b glass jar lids; 1 wagon (?) hub; 1 spoon; 1 metal button backing; 1 glass button; 1 plastic button; 1 mother-of-pearl button; 5 mussel shells; 1 cut bone; 1 pig tooth

Surface coll. by Ahler

Date 3/11/90 Institution ISM

Tested by

Date

Institution

Excavated by

Date

Institution

Nature and extent of survey - Field conditions Walkover survey at about 15 meter interval until cultural material found, then about 5 meter interval to establish site limits. Field G is the northwest 1/4-1/4 section of the project area, a 320-acre area affected by construction of a heat sink dredge settling pond facility. Field G is in corn stubble, 30-70% visibility, and soil has been raised in a lot since harvest.

Curation ISM

## MATERIAL REPORTED AS BELONGING TO SITE

Owner of Material

Certainty of Origin

Site reported by Ahler

Date

Visited 3/12/90

Survey report by Ahler

Date



Publications:

None

Photo:

None

Study status:

Not recommended for additional work.

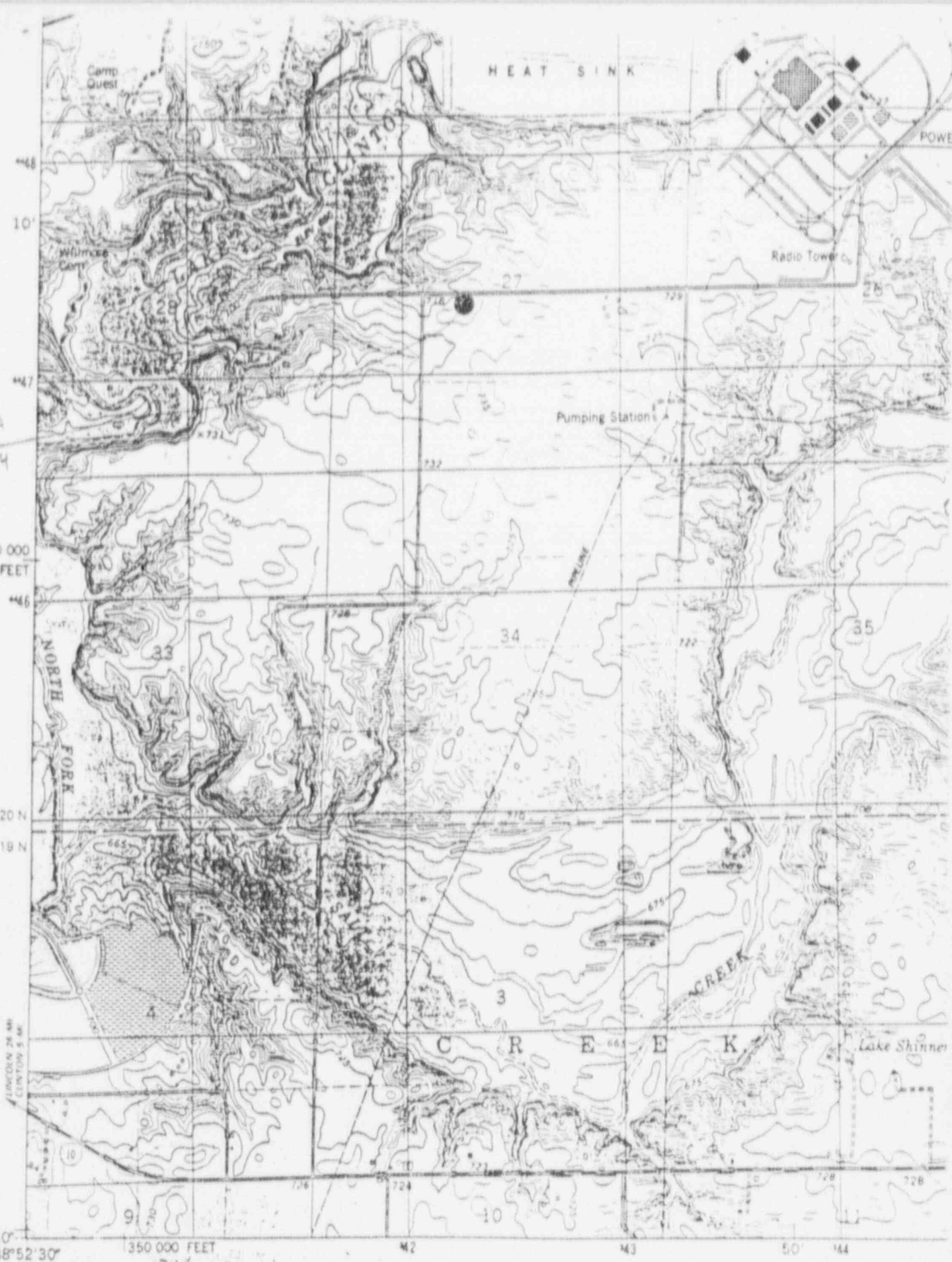
Remarks:

This site is labeled Locus 34 on the field maps. The debris and plat book information agree and indicate historic occupation between about 1870 and 1920. No architectural remains were observed. Numerous pieces of brick, rock, concrete, and clinkers were observed in the field but not collected. The site is in Field G, the northwest 1/4-1/4 section field in the project area. It is one of 38 sites found in the same survey of 320 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a siltation pond for dredging the "Ultimate Heat Sink" for the power plant.

Sketch map and artifact drawings.

See attached photography of USGS 7.5' Dewitt quadrangle, and sketch map of fields walked.

DeWitt  
(1979)  
7.5"  
Quad  
0W-252A  
W 34



Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1973. Field checked 1975-1978. Map edited 1979

Projection and 10,000-foot grid ticks: Illinois coordinate system, east zone (transverse Mercator)

(MAROA)  
32M 35W



# ILLINOIS ARCHAEOLOGICAL SURVEY

## Recorded

## Survey No.

County DeWitt

Reg. Inst. No. Dw-253A

Twp. Harp

Culture Unknown

Quadrangle DeWitt

Type of site Lithic scatter

Legal Description (1/4's)

SE 1/4; NE 1/4; SW 1/4; NE 1/4; SW 1/4

Sec. 27

Twp. 20N

Range 3E

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 18

N 4447065

/E 342290

Previous owners

Present tenant Jesse Spencer (?)

Directed to site by EIS required: H. E. Chamblin

Mapped by Steven K. Ahler, ISM

Extent of site (area and depth) 15m N-S; 10m E-W; 130 sq. m.; depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and Location On low rise trending north-south in field G. General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply North Fork 1.0 km NW; prairie potholes to east

Drainage North Fork

Nearby sites

Modern occupation (building, plowing, etc.) Plowing

Type of soil Birzbeck silt loam

Ground cover Corn stubble, 30-70% visibility

## MATERIAL FROM SITE

3 flakes

1 center-pitted cobble

1 glazed historic tile/brick

Surface coll. by Ahler

Date 3/13/90 Institution ISM

Tested by

Date

Institution

Excavated by

Date

Institution

Nature and extent of survey - Field conditions Walkover survey at about 15 meter interval until cultural material found, then about 5 meter interval to establish site limits. Field G is the northwest 1/4-1/4 section of the project area, a 220-acre area affected by construction of a heat sink dredge/settling pond facility. Field G is in corn stubble, 30-70% visibility, and soil has been rained on a lot since harvest.

Curation ISM

## MATERIAL REPORTED AS BELONGING TO SITE

Owner of Material

Certainty of Origin

Site reported by Ahler

Date 3/19/90

Visited 3/13/90

Survey report by Ahler

Date 3/19/90

Publications:

None

Photo:

None

Study status:

Not recommended for additional work.

Remarks:

This site is labeled Locus 35 on the field maps. The site is in Field G, the northwest 1/4-1/4 section field in the project area. It is one of 39 sites found in the same survey of 220 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a siltation pond for dredging the "Ultimate Heat Sink" for the power plant.

Sketch map and artifact drawings.

See attached photocopy of USGS 7.5' DeWitt quadrangle, and sketch map of fields walked.

DeWitt  
(1979)  
7.5'  
Quadr

DW  
253A  
LUCHS 35



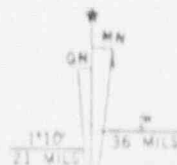
Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1973. Field checked 1975-1978. Map edited 1979

Projection and 10,000-foot grid ticks: Illinois coordinate system, east zone (transverse Mercator)

(MAROA)  
SMA 35





# ILLINOIS ARCHAEOLOGICAL SURVEY

Recorded

Survey No.

County DeWitt

Reg. Inst. No. Dw-254A

Twp. Harp

Culture Unknown

Quadrangle DeWitt

Type of site Lithic scatter

Legal Description (1/4's)

SW 1/4; NW 1/4; NE 1/4; NE 1/4; SW 1/4

Sec. 27

Twp. 20N

Range 3E

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 16

N 4447280

E 342315

Previous owners

Present tenant Jesse Spencer (?)

Directed to site by EIS required: H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) 30m N-S; 20m E-W; 500 sq. m.; depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and Location On low lobe extending southeast from small prominent knoll in north central part of field G. General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply North Fork 0.9 km NW; prairie potholes to east

Drainage North Fork

Nearby sites Dw-252A is immediately adjacent to the northwest

Modern occupation (building, plowing, etc.) Plowing

Type of soil Birkbeck silt loam

Ground cover Corn stubble, 30-70% visibility

## MATERIAL FROM SITE

3 flakes

1 hammerstone

2 rocks discarded (not modified)

Surface coll. by Ahler

Date 3/13/90 Institution ISM

Tested by

Date

Institution

Excavated by

Date

Institution

Nature and extent of survey - Field conditions Walkover survey at about 15 meter interval until cultural material found, then about 5 meter interval to establish site limits. Field G is the northwest 1/4-1/4 section of the project area, a 220-acre area affected by construction of a heat sink dredge/settling pond facility. Field G is in corn stubble, 30-70% visibility, and soil has been rained on a lot since harvest.

Curation ISM

## MATERIAL REPORTED AS BELONGING TO SITE

Owner of Material

Certainty of Origin

Site reported by Ahler

Date 3/13/90

Visited 3/13/90

Survey report by Ahler

Date 3/13/90

**Publications:**

None

**Photo:**

None

**Study status:**

Not recommended for additional work.

**Remarks:**

This site is labeled Locus 06 on the field maps. The site is in Field G, the northwest 1/4-1/4 section field in the project area. It is one of 39 sites found in the same survey of 220 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a siltation pond for dredging the "Ultimate Heat Sink" for the power plant.

Sketch map and artifact drawings.

See attached photocopy of USGS 7.5' DeWitt quadrangle, and sketch map of fields walked.

D.W.H.  
(1979)  
7.5"  
Aerial

DW-254A  
Locus 36

1:270,000  
FEET



40°07'30"  
88°52'30"

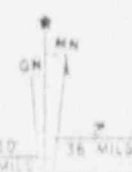
Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1973. Field checked 1975-1978. Map edited 1979

Projection and 10,000-foot grid ticks: Illinois coordinate system, east zone (transverse Mercator)

(MADDA)  
3254 II SW



# ILLINOIS ARCHAEOLOGICAL SURVEY

Recorded

Survey No.

County DeWitt

Reg. Inst. No. DW-255A

Twp. Harp

Culture Unknown

Quadrangle DeWitt

Type of site Isolated find

Legal Description (1/4's)

SE 1/4; NW 1/4; SE 1/4; NE 1/4; SW 1/4

Sec. 27

Twp. 20N

Range 3E

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 16

N 4447060

/E 342350

Previous owners

Present tenant Jesse Spencer (?)

Directed to site by EIS required: H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) Isolated find; depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and location On east side of low broad rise in southeast part of Field 1.

General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply North Fork 1.05 km NW; prairie potholes to east

Drainage North Fork

Nearby sites

Modern occupation (building, plowing, etc.) Flowing

Type of soil Rozetta silt loam

Ground cover Corn stubble, 30-70% visibility

## MATERIAL FROM SITE

1 flake

Surface coll. by Ahler

Date 3/13/90 Institution ISM

Tested by

Date

Institution

Excavated by

Date

Institution

Nature and extent of survey - Field conditions Walkover survey at about 15 meter interval until cultural material found, then about 5 meter interval to establish site limits. Field 1 is the northwest 1/4-1/4 section of the project area, a 120-acre area affected by construction of a heat sink dredge/settling pond facility. Field 2 is in corn stubble, 30-70% visibility, and soil has been rained on a lot since harvest.

Curation ISM

## MATERIAL REPORTED AS BELONGING TO SITE

Owner of Material

Certainty of Origin

Site reported by Ahler

Date 3/13/90

Visited 3/13/90

Survey report by Ahler

Date 3/13/90

Publications:

None

Photo:

None

Study status:

Not recommended for additional work.

Remarks:

This site is labeled Locus 37 on the field maps. The site is in Field G, the northwest 1/4-1/4 section field in the project area. It is one of 29 sites found in the same survey of 220 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a siltation pond for dredging the "Ultimate Heat Sink" for the power plant.

Sketch map and artifact drawings.

See attached photocopy of USGS 7.5' DeWitt quadrangle, and sketch map of fields walked.



40°07'3  
8  
(MAR04)  
3:54 in 5m

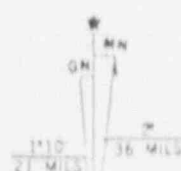


Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1973. Field checked 1975-1978. Map edited 1979

Projection and 10,000-foot grid ticks: Illinois coordinate system, east zone (transverse Mercator)



# ILLINOIS ARCHAEOLOGICAL SURVEY

Recorded

Survey No.

County DeWitt

Reg. Inst. No. Dw-256A

Twp. Harp

Culture Unknown

Quadrangle DeWitt

Type of site Isolated find

Legal Description (1/4's)

SE 1/4; SW 1/4; SE 1/4; NE 1/4; SW 1/4

Sec. 27

Twp. 20N

Range 3E

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 16

N 4446990

/E 342350

Previous owners

Present tenant Jesse Spencer (?)

Directed to site by EIS required; H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) Isolated find; depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and Location On northwest slope of low broad rise in southeast part of Field G. General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply North Fork 1.1 km NW; prairie potholes to east

Drainage North Fork

Nearby sites

Modern occupation (building, plowing, etc.) Plowing

Type of soil Rozetta silt loam

Ground cover Corn stubble, 30-70% visibility

## MATERIAL FROM SITE

1 flake

Surface coll. by Ahler

Date 3/13/90 Institution ISM

Tested by

Date Institution

Excavated by

Date Institution

Nature and extent of survey - Field conditions Walkover survey at about 15 meter interval until cultural material found, then about 5 meter interval to establish site limits. Field G is the northwest 1/4-1/4 section of the project area, a 320-acre area affected by construction of a heat sink dredge/settling pond facility. Field G is in corn stubble, 30-70% visibility, and soil has been rained on a lot since harvest.

Curation ISM

## MATERIAL REPORTED AS BELONGING TO SITE

Owner of Material

Certainty of Origin

Site reported by Ahler

Date 3/13/90 Visited 3/13/90

Survey report by Ahler

Date 3/13/90

Publications:

None

Photo:

None

Study status:

Not recommended for additional work.

Remarks:

This site is labeled Locus 38 on the field maps. The site is in Field G, the northwest 1/4-1/4 section field in the project area. It is one of 39 sites found in the same survey of 220 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a siltation pond for dredging the "Ultimate Heat Sink" for the power plant.

Sketch map and artifact drawings.

See attached photocopy of "USGS 7.5" DeWitt quadrangle, and sketch map of fields walked.

DeWitt  
(1979)  
7.5'  
Quad

Dw.  
236A  
Locus 38  
1 270 000  
FEET



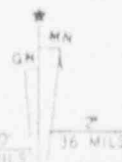
Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1973. Field checked 1975-1978. Map edited 1979

Projection and 10,000-foot grid ticks: Illinois coordinate system, east zone (transverse Mercator)

(MAROA)  
324 35





# ILLINOIS ARCHAEOLOGICAL SURVEY

Recorded

Survey No.

County DeWitt

Reg. Inst. No. Dw-257A

Twp. Harp

Culture Late Woodland/Mississippian

Quadrangle DeWitt

Type of site Isolated find

Legal Description (1/4's)

SE 1/4: SE 1/4: SE 1/4: NE 1/4: SW 1/4

Sec. 27

Twp. 20N

Range 3E

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 16

N 4446965

/E 342455

Previous owners

Present tenant Jesse Spencer (?)

Directed to site by EIS required: H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) Isolated find; depth unknown

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and Location On nearly level slightly elevated area in southeast part of Field G. General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply North Fork 1.2 km NW; prairie potholes to northeast

Drainage North Fork

Nearby sites

Modern occupation (building, plowing, etc.) Plowing

Type of soil Rozetta silt loam

Ground cover Corn stubble, 30-70% visibility

## MATERIAL FROM SITE

1 triangular flake point, un-notched

Surface coll. by Ahler

Date 3/13/90 Institution ISM

Tested by

Date

Institution

Excavated by

Date

Institution

Nature and extent of survey - Field conditions Walkover survey at about 15 meter interval until cultural material found, then about 5 meter interval to establish site limits. Field G is the northwest 1/4-1/4 section of the project area, a 220-acre area affected by construction of a heat sink dredge/settling pond facility. Field G is in corn stubble, 30-70% visibility, and soil has been rained on a lot since harvest.

Curation ISM

## MATERIAL REPORTED AS BELONGING TO SITE

Owner of Material

Certainty of Origin

Site reported by Ahler

Date 3/12/90

Visited 3/13/90

Survey report by Ahler

Date 3/12/90



Publications:

None

Photo:

None

Study status:

Not recommended for additional work.

Remarks:

This site is labeled Locus 39 on the field maps. The site is in Field G, the northwest 1/4-1/4 section field in the project area. It is one of 39 sites found in the same survey of 220 contiguous acres south and west of the Clinton Power Plant. Impact will result from excavation of a siltation pond for dredging the "Ultimate Heat Sink" for the power plant.

Sketch map and artifact drawings.

See attached photocopy of USGS 7.5' DeWitt quadrangle, and sketch map of fields walked.

DeWitt  
(1979)

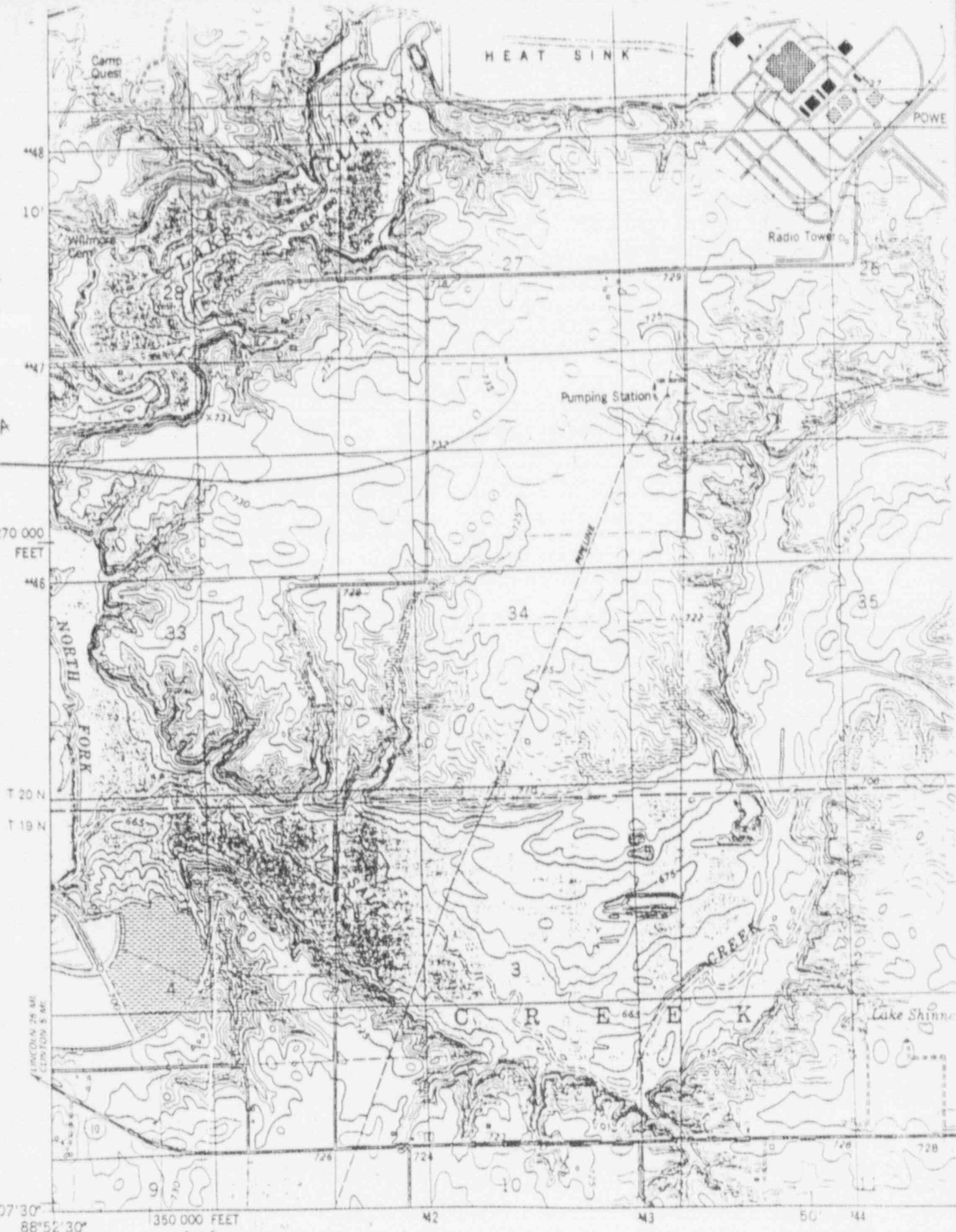
7.5'

Quadr.

00-257A

Lucas  
39

1 270 000  
FEET



(MAROAI)  
1244 III SW

Mapped, edited, and published by the Geological Survey  
Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs  
taken 1973. Field checked 1975-1978. Map edited 1979

Projection and 10,000-foot grid ticks: Illinois coordinate  
system, east zone (transverse Mercator)

Attachment E

Phase II Archaeological Reconnaissance





# Illinois Historic Preservation Agency

Old State Capitol • Springfield, Illinois 62701 • (217) 782-4836

217/785-4997

DEWITT COUNTY  
CENCR-18837Z-Illinois Power Company  
Dredging Operations and Clinton Power Station

IHPA LOG #90010505

May 21, 1990

James H. Blanchar, P.E., Chief, Operations Division  
District Engineer, US Corps of Engineers  
Rock Island District  
ATTENTION: John Betker  
Clock Tower Building-Post Office Box 2004  
Rock Island, Illinois 61204-2004

Gentlemen:

Thank you for requesting comments from our office concerning the possible effects of the project referenced above on cultural resources. Our comments are required by Section 106 of the National Historic Preservation Act of 1966, as amended, and its implementing regulations, 36 CFR 800: "Protection of Historic Properties".

Our staff has reviewed the Archaeological Survey Short Report submitted by Stan R. Ahler, Research Associate, Illinois State Museum Society, Springfield, Illinois for the proposed project referenced above.

The Phase II archaeological investigations of prehistoric archaeological sites ISM #DW-219A, 224A, 228A, 243A, 245A, 246A and 248A appears to be adequate. The controlled surface collections recovered small amounts of additional material and the subsurface testing revealed intact cultural features. Based on the results, it is our opinion that no significant historic, architectural or archaeological resources are located within the project area.

Please retain this letter in your files as evidence of compliance with Section 106 of the National Historic Preservation Act of 1966, as amended.

If you have any further questions, please contact Paula G. Cross, Senior Staff Archaeologist, Illinois Historic Preservation Agency, Old State Capitol, Springfield, Illinois 62701, 217/785-4998.

Sincerely,

Theodore W. Hild  
Deputy State Historic  
Preservation Officer

TWH:PGC:bb

cc: Bill Callahan  
Dudley Hanson, CoE-Planning Division  
H. E. "Bud" Chamblin, IPC

# ARCHAEOLOGICAL SURVEY SHORT REPORT

Illinois Historic Preservation Agency  
Old State Capitol Bldg., Springfield, IL 62701  
(217) 785-4987

Reviewer \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_ Accepted \_\_\_\_ Rejected

IHPA use only (Form AESS0886)

## LOCATIONAL INFORMATION AND SURVEY CONDITIONS

County: DeWitt

Quadrangle: DeWitt 7.5'

Project type/title: Phase 2 Cultural Resource Evaluation of Dredge Disposal Facility at the Clinton Power Station

IHPA number 90010505

Corps of Engineers Permit number CENCR-OD-S-18837Z

Responsible federal/state agencies: Illinois Environmental Protection Agency:

U. S. Army Corps of Engineers

Legal location: (1/4s) NW 1/4: SE 1/4 Sec. 27 T. 20N R. 3E

SW 1/4: SE 1/4 Sec. 27 T. 20N R. 3E

NW 1/4: NE 1/4 Sec. 34 T. 20N R. 3E

NE 1/4: NW 1/4 Sec. 34 T. 20N R. 3E

(Plus an extension south of this 1/4-1/4 section)

SE 1/4: SW 1/4 Sec. 27 T. 20N R. 3E

NE 1/4: SW 1/4 Sec. 27 T. 20N R. 3E

## U.T.M. PROJECT AREA:

NE corner: N 4447360 / E 342830 (Zone 16)

SE corner: N 4446160 / E 342800

SW corner: N 4446120 / E 342080

NW corner: N 4447360 / E 342110

Project description: Phase 2 evaluation for National Register quality of seven prehistoric sites previously located during a phase 1 survey of land affected by construction of a Dredge Disposal Facility for the Ultimate Heat Sink of the Clinton Power Station. Previous phase 1 report details the sites, initial survey conditions, and recommendations for phase 2 work. Recommendations were concurred with by IHPA and USACE. This report presents descriptions of the activities performed to evaluate each of these seven sites. The seven selected sites are designated as Locus 1, Locus 6, Locus 10, Locus 15, Locus 27, Locus 28, and Locus 30. Corresponding Illinois State Museum site numbers are Dw-219A, Dw-224A, Dw-228A, Dw-243A, Dw-245A, Dw-246A, and Dw-248A, respectively.

Topography: Minimally dissected uplands with occasional low rises or knolls. Poor drainage with some prairie potholes in the northeast part of the project area. Small draws are south and northwest of the project area. All seven sites selected for evaluation are on low rises or knolls, and have soil differences associated with the site areas (see attached IAS site forms).

(Soils) Mainly Birkbeck silt loam, with significant minor representation of Keomah silt loam, Rozetta silt loam, and Sable silty clay loam.

Drainage: Salt Creek and North Fork, including the divide area between Salt Creek (south) and North Fork (northwest).

Land use/ground cover (include % visibility): The entire project area is in cultivated ground with 10 to 90% ground surface visibility, with the exception of the southernmost end of the outflow channel area. This is in pasture with 10% or less visibility.

Survey limitations: Selected site areas and a surrounding buffer zone were



disced. At least two rainstorms subsequent to discing exposed additional cultural material. Previous vegetation stubble was disced under, and overall surface visibility was between 70 and 100%, under moderate collection conditions.

#### ARCHAEOLOGICAL AND HISTORICAL INFORMATION

##### Historic plats/atlas/sources:

Warner and Beers

1875 Atlas of DeWitt County and the State of Illinois. Warner and Beers, Publishers. Chicago.

George A. Ogle

1915 Standard Atlas of DeWitt County, Illinois. George A. Ogle and Co. Chicago.

Sidwell and Hixson

1946 (?) Plat Book of DeWitt County, Illinois. Joe Sidwell Company. Chicago.

Previously reported sites: See phase 1 report.

Previous surveys: S. Lewis 1973

Regional Arch. contacted: Illinois State Museum Society

Investigation techniques: Each site selected for phase 2 evaluation was subjected to a standard series of evaluation procedures:

- 1) The site area and a surrounding buffer zone of probable non-site area were staked and within this rectangular area, the ground surface was disced to expose new sediments and artifacts.
- 2) After two rainstorms had broken up the fresh sediment and exposed additional artifacts, a grid metric horizontal grid was superimposed over each site, with the southeast corner of each disced area designated as ON/OE. Vertical elevation control was established using a theodolite and tying at least one grid point into known elevations for the center lines stations, previously established within the project area by the prime construction contractors (Freesen, Inc.)
- 3) Using strings marked at 10-meter intervals and the previously established horizontal control for each site, each of the disced areas was subdivided into 10 x 10 meter grid units. Each collection unit was then subjected to complete surface collection. All cultural material was collected from each unit; unmodified rough rock from each unit was weighed in the field and discarded. Collection units that produced additional cultural material were marked on large-scale site maps.
- 4) Based on the distribution of additional materials recovered during the controlled surface collections, site limits that were based on the distribution of material recovered during the phase 1 surveys were redefined if necessary. Any areas of artifact concentration were plotted on large-scale site maps.
- 5) Based on the distribution of surface materials, areas were designated for mechanical removal of the plowzone (stripping). Within the designated areas, shovel tests were excavated to show the expected depth of plowzone. Representative soil profiles for each site were described in detail. Plowzone varied between 18 and 33 cm in depth.
- 6) Using a twin-diesel self-propelled pan scraper (a "637" in the construction trade), plowzone was removed from approximately 50% of each site area, as indicated by the limits of the areas of scatters of surface materials. Any stains that were visible in contrast to the light-colored sub-plowzone sediments were investigated by shovel-skimming, cross-sectioning, or profile trenching. All sub-plowzone stains proved to be natural rather than cultural in origin. These non-

cultural stains were not mapped or documented. Photographs were taken to document the stripped areas, and they were not backfilled.

Time expended: 192 person-hours

Sites/find spots located: Seven sites were investigated. All of these sites had previously yielded either temporally diagnostic artifacts, or in one case exhibited a large and fairly dense scatter of material. Table 1 lists the field numbers, ISM numbers, and IAS numbers for each site investigated. Attached are updated IAS survey forms for each site.

Cultural material: Table 2 lists the cultural materials recovered from each site during the phase 1 and phase 2 activities, including temporally diagnostic artifacts. In general, very little material was recovered from any site during the phase 2 evaluation procedures. This is probably due to the fact that the sites were only disced (instead of plowed and disced) prior to the controlled surface collection. Another contributing factor may be the consistency of the soils in this area: the silt loam to silty clay loam plowzone soil did not disaggregate very much even after two substantial rains.

(Curated at): Illinois State Museum Research and Collections Center

Collection techniques: Controlled total surface pickup in 10 x 10 meter units of all visible artifacts in each site area. Unmodified rock and fire-cracked rock were weighed in the field, then discarded.

Area surveyed (acres & square meters): A total of approximately 6.52 acres (26,400 square meters) was disced and surface collected. A total of about 1.37 acres (5566 square meters) was stripped of plowzone.

## RESULTS OF INVESTIGATION AND RECOMMENDATIONS: (check one)

- Phase I archaeological reconnaissance has located no archaeological material; project clearance is recommended.
- Phase I archaeological reconnaissance has located archaeological materials; site(s) does(do) not meet requirements for National Register eligibility; project clearance is recommended.
- Phase I archaeological reconnaissance has located archaeological materials; site(s) may meet requirements for National Register eligibility; further testing is recommended.
- X Phase II archaeological investigation has indicated that sites do not meet requirements for National Register eligibility; project clearance is recommended.
- Phase II archaeological investigation has indicated that site(s) meet requirements for National Register eligibility; formal report is pending and a determination of eligibility is recommended.

## COMMENTS:

Attached are:

- 1) list of field numbers and correlative ISM and IAS site numbers;
- 2) updated IAS site forms;
- 3) compilations of field maps showing disced areas, phase I site limits, positive controlled surface collection grid units, and stripped areas;
- 4) tabulation of artifacts recovered from each site;
- 5) a listing of UTM grid coordinates and elevations for the ON/OH point established for each site; and
- 6) a table listing site areas and dimensions, disced areas and dimensions, and stripped areas for each site.

## CONTRACTOR INFORMATION:

Arch. contractor: Illinois State Museum Society (Steven R. Ahler)

Address/phone: (217) 785-5996

Surveyor(s): Steven R. Ahler

Survey Date(s): 26 April 1990  
through 10 May 1990

Report completed by: Ahler

Date: 16 May 1990

Submitted by (signature and title):

*Stan R. Ahler*

Research Associate



ATTACHMENT CHECK LIST: (#1 through #4 are MANDATORY)

- ☒ 1) Relevant portion of USGS 7.5' topographic quadrangle map(s) showing project location and any recorded sites;
- ☒ 2) Project map(s) depicting survey limits and, when applicable, approximate site limits and concentrations of cultural materials;
- ☒ 3) Site form(s); (two copies of each form);
- ☒ 4) All relevant project correspondence;
- ☒ 5) Additional information sheets as necessary.

Address of contracting agency to whom SHPO comment should be mailed:

Mr. H. E. Chamblin  
Environmental Assistant  
Illinois Power  
500 South 27th Street  
P. O. Box 511  
Decatur IL 62525-1805

122



ILLINOIS POWER SURVEY  
ULTIMATE HEAT SINK DREDGE FACILITY

<u>FIELD NUMBER</u>	<u>ISM NUMBER</u>	<u>IAS NUMBER</u>
Locus 1*	Dw-219A	11-Dw-287
Locus 2	Dw-220A	11-Dw-2-IF
Locus 3	Dw-221A	11-Dw-288
Locus 4	Dw-222A	11-Dw-3-IF
Locus 5	Dw-223A	11-Dw-289
Locus 6*	Dw-224A	11-Dw-290
Locus 7	Dw-225A	11-Dw-291
Locus 8	Dw-226A	11-Dw-292
Locus 9	Dw-227A	11-Dw-293
Locus 10*	Dw-228A	11-Dw-294
Locus 11	Dw-229A	11-Dw-295
Locus 12	Dw-230A	11-Dw-296
Locus 13	Dw-231A	11-Dw-297
Locus 14	Dw-232A	11-Dw-298
Locus 15	Dw-233A	11-Dw-299
Locus 16	Dw-234A	11-Dw-4-IF
Locus 17	Dw-235A	11-Dw-5-IF
Locus 18	Dw-236A	11-Dw-6-IF
Locus 19	Dw-237A	11-Dw-7-IF
Locus 20	Dw-238A	11-Dw-8-IF
Locus 21	Dw-239A	11-Dw-300
Locus 22	Dw-240A	11-Dw-9-IF
Locus 23	Dw-241A	11-Dw-301
Locus 24	Dw-242A	11-Dw-302
Locus 25*	Dw-243A	11-Dw-303
Locus 26	Dw-244A	11-Dw-304
Locus 27*	Dw-245A	11-Dw-305
Locus 28*	Dw-246A	11-Dw-306
Locus 29	Dw-247A	11-Dw-307
Locus 30*	Dw-248A	11-Dw-308
Locus 31	Dw-249A	11-Dw-10-IF
Locus 32	Dw-250A	11-Dw-309
Locus 33	Dw-251A	11-Dw-310
Locus 34	Dw-252A	11-Dw-311
Locus 35	Dw-253A	11-Dw-312
Locus 36	Dw-254A	11-Dw-313
Locus 37	Dw-255A	11-Dw-11-IF
Locus 38	Dw-256A	11-Dw-12-IF
Locus 39	Dw-257A	11-Dw-13-IF

\* Designates sites investigated during phase 2 evaluation.

# ILLINOIS ARCHAEOLOGICAL SURVEY

Recorded Yes--Phase 2 revision site form

Survey No. 11-Dw-287

County DeWitt

Reg. Inst. No. Dw-219A

Twp. Harp

Culture Late Woodland/Mississippian

Quadrangle DeWitt

Type of site Habitation

Legal Description (1/4's)

SW 1/4; NW 1/4; NW 1/4; NW 1/4; SE 1/4 Sec. 27 Twp. 20N Range 3E

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 18

N 4447280

/E 342510

Previous owners

Present tenant Reynolds

Directed to site by EIS required: H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) 70m NE-SW; 20m NW-SE; 1600 sq. m; confined to plowzone

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and location In flat, poorly drained and minimally dissected uplands, just northwest of small closed upland depression.

Water supply Upland prairie pothole 50m to south; North Fork 1.2 km NW

Drainage North Fork

Nearby sites None on same physiographic feature.

Modern occupation (building, plowing, etc.) Plowing

Type of soil Keomah silt loam

Ground cover Corn stubble, 90-100% visibility

## MATERIAL FROM SITE

4 flakes

1 undecorated whiteware fragment

1 piece flat glass

1 glazed brick

Surface coll. by Ahler

Date 3/6/90 Institution ISM

Tested by Ahler

Date 5/8/90 Institution ISM

Excavated by

Date Institution

Nature and extent of survey - Field conditions Metric grid established, followed by controlled surface collection in 10 x 10 m units. Mechanical removal of plowzone in a 10 x 67 m strip revealed no sub-plowzone features.

Curation ISM

## MATERIAL REPORTED AS BELONGING TO SITE

None

Owner of Material

Certainty of Origin

Site reported by Ahler

Date 3/18/90

Visited 3/6/90

Survey report by Ahler

Date 3/18/90

**Publications:**

None--see IHFA ASSR form for this project.

**Photo:**

ISM records curation

**Study status:**

Previous phase 2 recommendations were carried out. No sub-plowzone features or posts.  
Recommend no additional work.

**Remarks:**

This is labeled Locus 1 on the field maps. One of seven sites tested in the Illinois Power  
Derdge Disposal Facility project area.

Sketch map and artifact drawings.

See attached photocopy of USGS 7.5' DeWitt quadrangle.



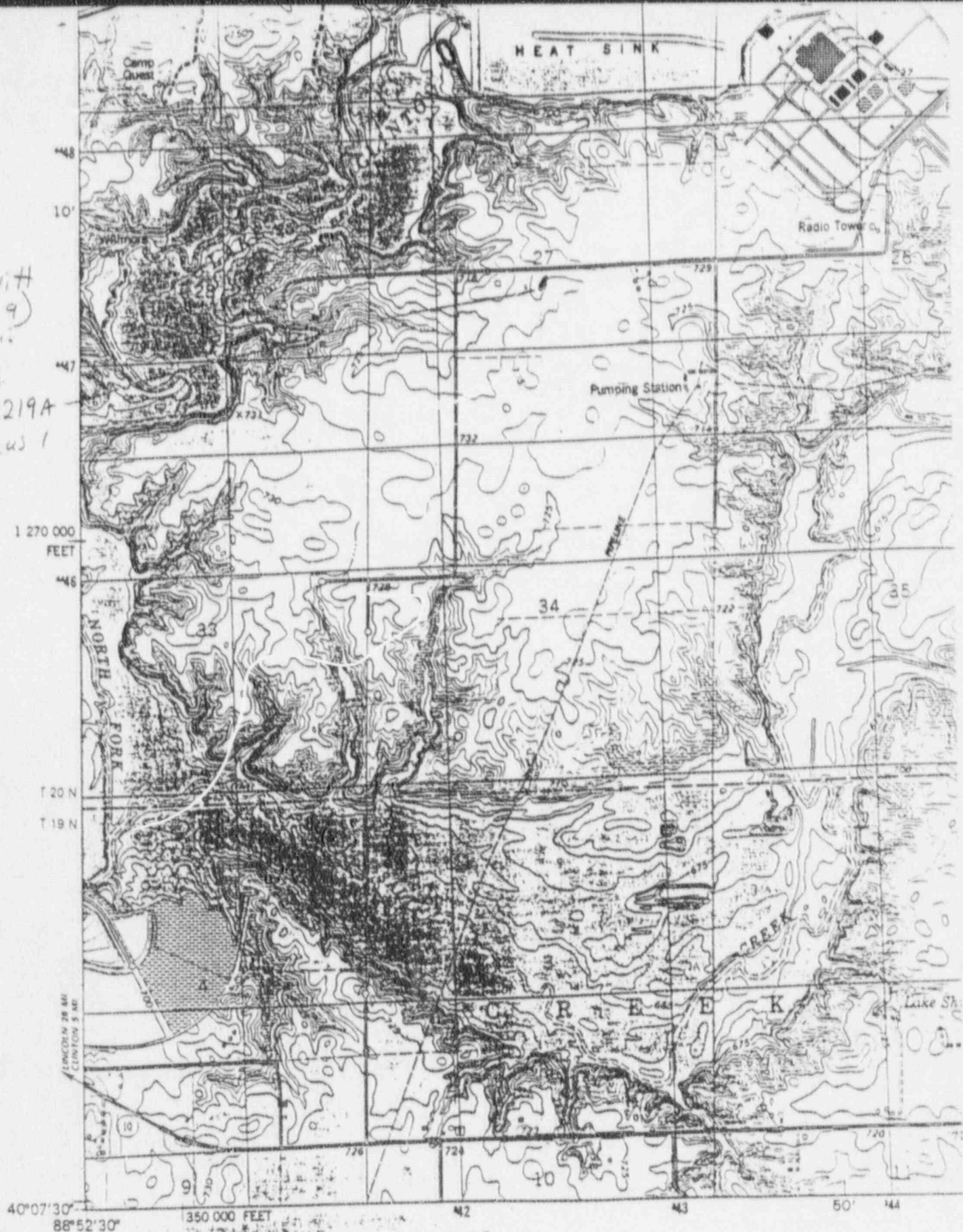
DeWitt  
(1979)

7.5"

Quadr.

Dw219A

Locus 1



Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

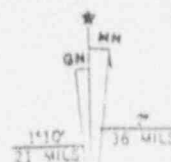
Topography by photogrammetric methods from aerial photographs taken 1973. Field checked 1975-1978. Map edited 1979

Projection and 10,000-foot grid ticks: Illinois coordinate system, east zone (transverse Mercator)

1983-1984 Universal Transverse Mercator grid, zone 16

(MARCUS)  
326 2 SW

10'



## ILLINOIS ARCHAEOLOGICAL SURVEY

Recorded Yes--phase 2 revision site form

Survey No. 11-Dw-290

County DeWitt

Reg. Inst. No. Dw-224A

Twp. Harp

Culture Early Archaic (?)

Quadrangle DeWitt

Type of site Lithic scatter

## Legal Description (1/4's)

SE 1/4; NW 1/4; SE 1/4; NW 1/4; SE 1/4      Sec. 27      Twp. 20N      Range 3E

SW 1/4; NE 1/4; SE 1/4; NW 1/4; SE 1/4

NW 1/4; SE 1/4; SE 1/4; NW 1/4; SE 1/4

NE 1/4; SW 1/4; SE 1/4; NW 1/4; SE 1/4

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 16

N 4447050

/E 342790

Previous owners

Present tenant Reynolds

Directed to site by EIS required; H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) 100+m E-W; 50m N-S; 4400 sq. m.; confined to plowzone

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and Location On low rise trending east-west in southern part of field. General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply Upland prairie pothole 150m to NW; North Fork 1.3 km NW

Drainage North Fork

Nearby sites Dw-223A, Dw-225A, Dw-226A are on same low ridge.

Modern occupation (building, plowing, etc.) Plowing

Type of soil Birkbeck silt loam

Ground cover Corn stubble, 90-100% visibility

## MATERIAL FROM SITE

30 flakes

2 thick biface fragments

3 bipolar flakes

1 center-pitted cobble

3 retouched flakes

1 Unidentified corner-notched point fragment,

5 angular chert fragments--probably cultural

possibly Early Archaic

5 cores

1 historic crockery piece (20th century)

1 tested core

1 whiteware fragment

Surface coll. by Ahler

Date 3/6/90 Institution ISM

Tested by Ahler

Date 5/8/90 Institution ISM

Excavated by

Date Institution

Nature and extent of survey - Field conditions Metric grid established, followed by controlled surface collection in 10 x 10 m units. Mechanical removal of plowzone from three strips (10 x 115m; 10 x 60m; 10 x 30m) revealed no sub-plowzone features.

Curation ISM

## MATERIAL REPORTED AS BELONGING TO SITE

None

Owner of Material

Certainty of Origin

Site reported by Ahler

Date 3/19/90

Visited 3/6/90

Survey report by Ahler

Date 3/19/90



**Publications:**

None

**Photo:**

See ISM records curation

**Study status:**

Recommended work performed. No sub-plowzone features or postmolds recovered. Recommend no additional work.

**Remarks:**

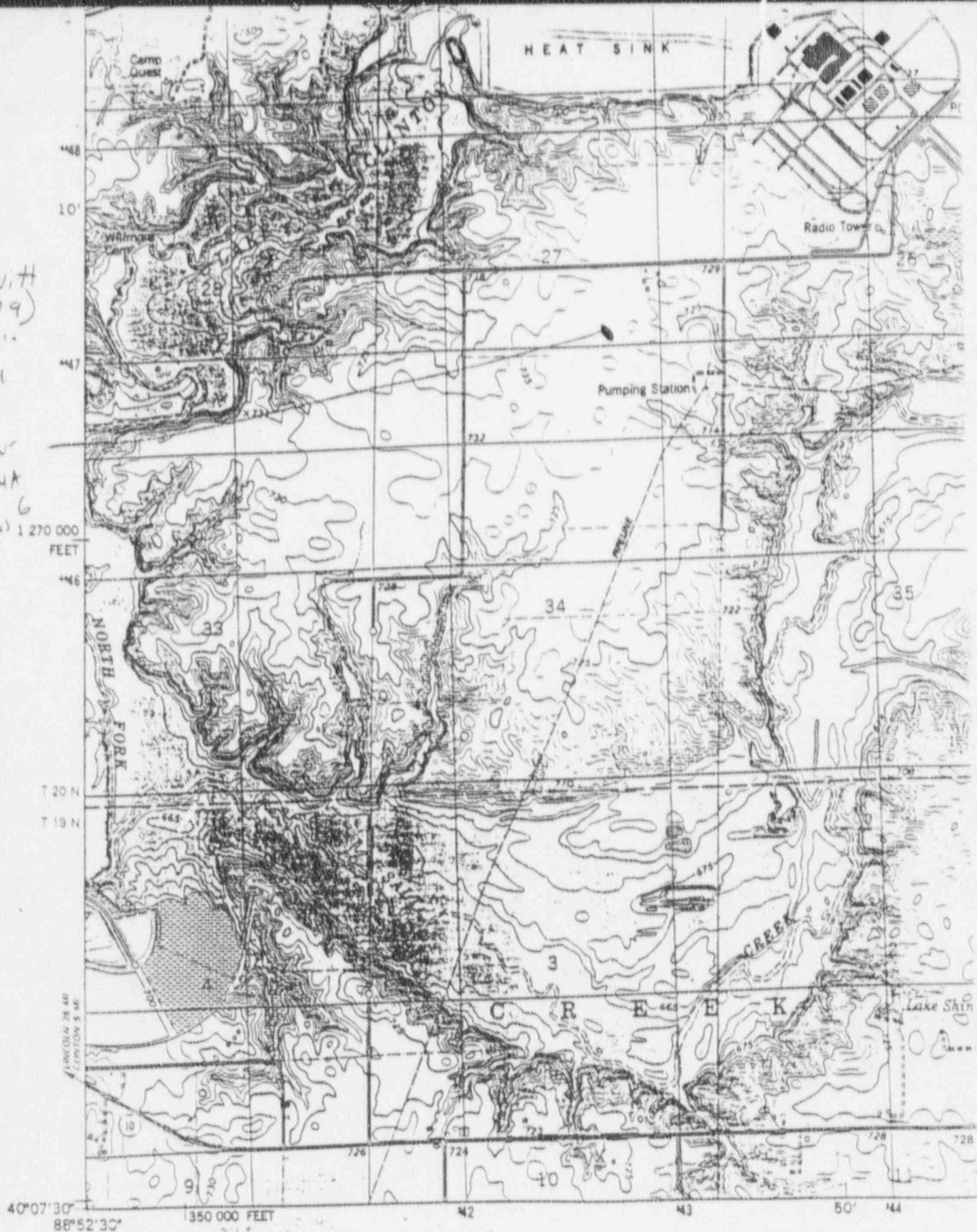
This site is labeled Locus 6 on the field maps. Though no diagnostic artifacts were recovered in the initial surface collection, this site produced the highest density of artifacts, and the phase 2 work produced one possible Early Archaic point fragment. It is one of 7 sites tested in the Clinton Power Station Dredge Disposal Facility project area.

Sketch map and artifact drawings.

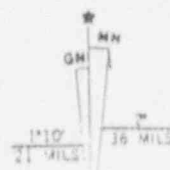
See attached photocopy of USGS 7.5' DeWitt quadrangle.

DwH  
(1979)  
7.5"  
Quadr

Dw  
224A  
Loc 43 6  
1 270 000  
FEET



Mapped, edited, and published by the Geological Survey  
Control by USGS and NOS/NOAA  
Topography by photogrammetric methods from aerial photographs  
taken 1973. Field checked 1975-1978. Map edited 1979  
Projection and 10,000-foot grid ticks: Illinois coordinate  
system, east zone (transverse Mercator)  
1000-meter Universal Transverse Mercator grid, zone 16



# ILLINOIS ARCHAEOLOGICAL SURVEY

Recorded Yes--phase 2 revision site form

Survey No. 11-Dw-294

County DeWitt

Reg. Inst. No. Dw-228A

Twp. Harp

Culture Early Archaic

Quadrangle DeWitt

Type of site Lithic scatter/habitation

Legal Description (1/4's)

SE 1/4; NW 1/4; NE 1/4; SW 1/4; SE 1/4

Sec. 27

Twp. 20N

Range 3E

SW 1/4; NE 1/4; NE 1/4; SW 1/4; SE 1/4

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 16

N 4446890

/E 342780

Previous owners

Present tenant Reynolds

Directed to site by EIS required; H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) 40m diameter; 1400 sq. m.; confined to plowzone

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and Location On east slope of low upland knoll in the northeast corner of field B. General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply Upland prairie pothole to N: North Fork 1.4 km NW

Drainage North Fork

Nearby sites Dw-227A is on north slope of same knoll

Modern occupation (building, plowing, etc.) Plowing

Type of soil Birkbeck silt loam

Ground cover Corn stubble. 90-100% visibility

## MATERIAL FROM SITE

1 Early Archaic small diagonally notched point

4 flakes

1 thin biface fragment

1 angular chert fragment, probably cultural

1 center-pitted cobble

Surface coll. by Ahler

Date 3/7/90

Institution ISM

Tested by Ahler

Date 5/8/90

Institution ISM

Excavated by

Date

Institution

Nature and extent of survey - Field conditions Metric grid established, followed by controlled surface collection in 10 x 10 m units. Mechanical removal of plowzone from a strip 10 x 60 m revealed no sub-plowzone features.

Curation ISM

## MATERIAL REPORTED AS BELONGING TO SITE

None

Owner of Material

Certainty of Origin

Site reported by Ahler

Date 3/19/90

Visited 3/7/90

Survey report by Ahler

Date 3/19/90

Publications:

None

Photo:

None

Study status: Recommended work performed. No sub-plowzone features or postmolds recovered.  
Recommend no additional work.

Remarks:

This site is labeled Locus 10 on the field maps. It is one of 7 sites tested within the boundaries of the Clinton Power Station Dredge Disposal Facility.

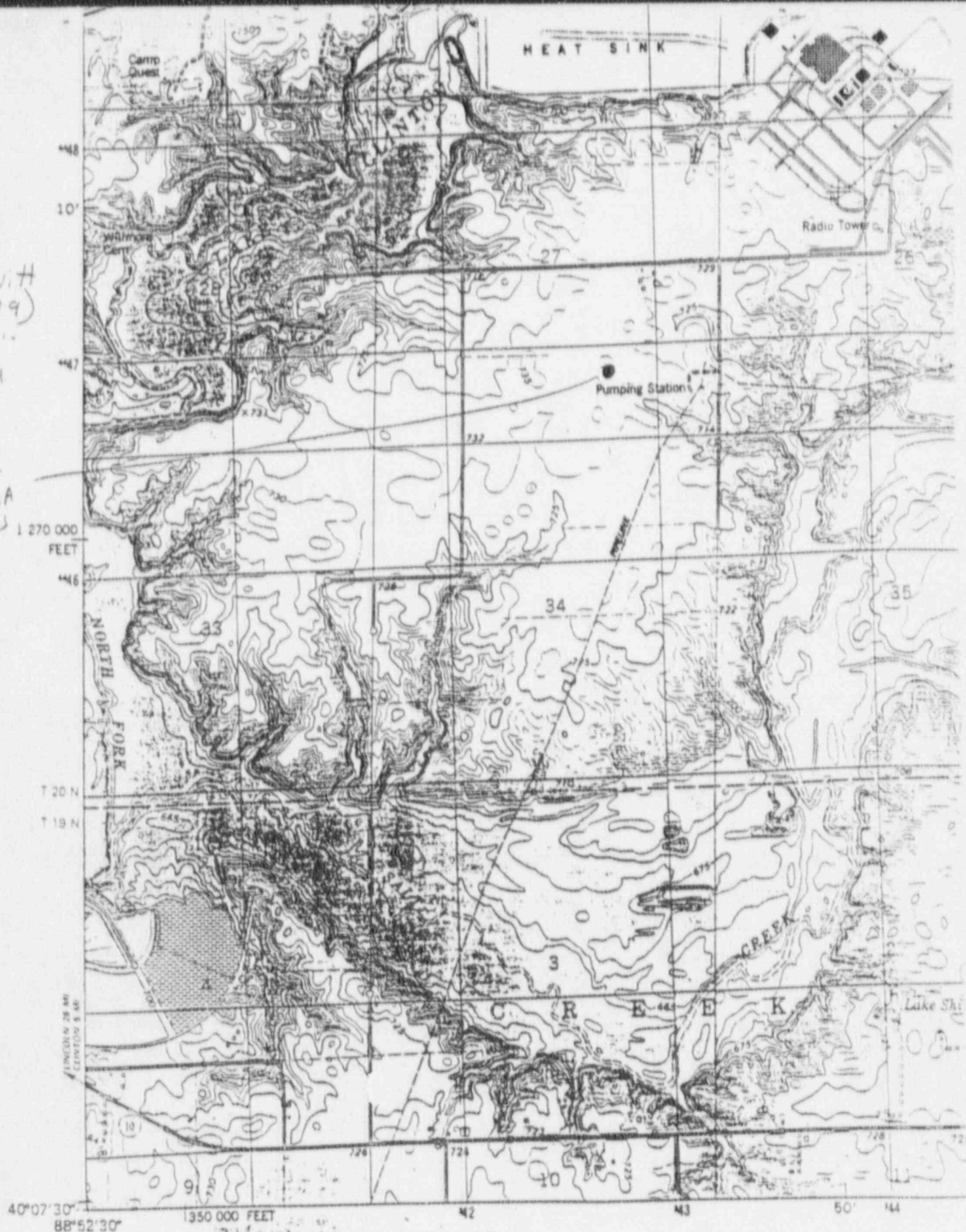
Sketch map and artifact drawings.

See attached photocopy of USGS 7.5' DeWitt quadrangle.



D+WH  
(1979)  
7.5"  
Quadr

DN-  
228A  
WCH  
10



Mapped, edited, and published by the Geological Survey

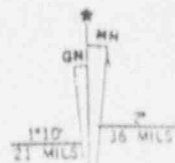
Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1973. Field checked 1975-1978. Map edited 1979

Projection and 10,000-foot grid ticks: Illinois coordinate system, east zone (transverse Mercator)

Scale: 1 inch = 1 mile (transverse Mercator grid, zone 16)

(MARCA)  
304 31 54





# ILLINOIS ARCHAEOLOGICAL SURVEY

Recorded Yes--phase 2 revision site form

Survey No. 11-Dw-303

County DeWitt

Reg. Inst. No. Dw-243A

Twp. Harp

Culture Terminal Archaic

Quadrangle DeWitt

Type of site Habitation

Legal Description (1/4's)

NE 1/4; NW 1/4; NW 1/4; NE 1/4; NW 1/4

Sec. 34

Twp. 20N

Range 3E

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 16

N 4446525

/E 342150

Previous owners

Present tenant Jesse Spencer

Directed to site by EIS required: H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) 50 m NE-SW; 30 m NW-SE; 1100 sq. m.; confined to plowzone

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and Location On southeast side of very low rise in otherwise flat field, northwest corner of Field E. General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply North Fork 1.3 km NW; prairie potholes to northeast

Drainage Salt Creek

Nearby sites Dw-244A is immediately adjacent to northwest

Modern occupation (building, plowing, etc.) Plowing

Type of soil Birkbeck silt loam

Ground cover Corn stubble, 90-100% visibility

## MATERIAL FROM SITE

4 flakes

1 core

1 unifacial scraper

1 glazed brick

3 whiteware fragments

1 piece crockery

1 clear glass bottle base

1 metal hexnut

1 blue glass fragment

1 polished bone (historic)

Surface coll. by Ahler

Date 3/10/90 Institution ISM

Tested by Ahler

Date 5/7/90 Institution ISM

Excavated by

Date Institution

Nature and extent of survey - Field conditions Metric grid established, followed by controlled surface collection in 10 x 10 m units. Mechanical removal of plowzone from a strip 10 x 60m revealed no sub-plowzone features.

Curation ISM

## MATERIAL REPORTED AS BELONGING TO SITE

None

Owner of Material

Certainty of Origin

Site reported by Ahler

Survey report by Ahler

Date 3/19/90

Visited 3/10/90

Date 2/18/90

Publications:

None

Photo:

None

Study status: Recommended work performed. No sub-plowzone features or postmolds recovered.  
Recommend no additional work.

Remarks:

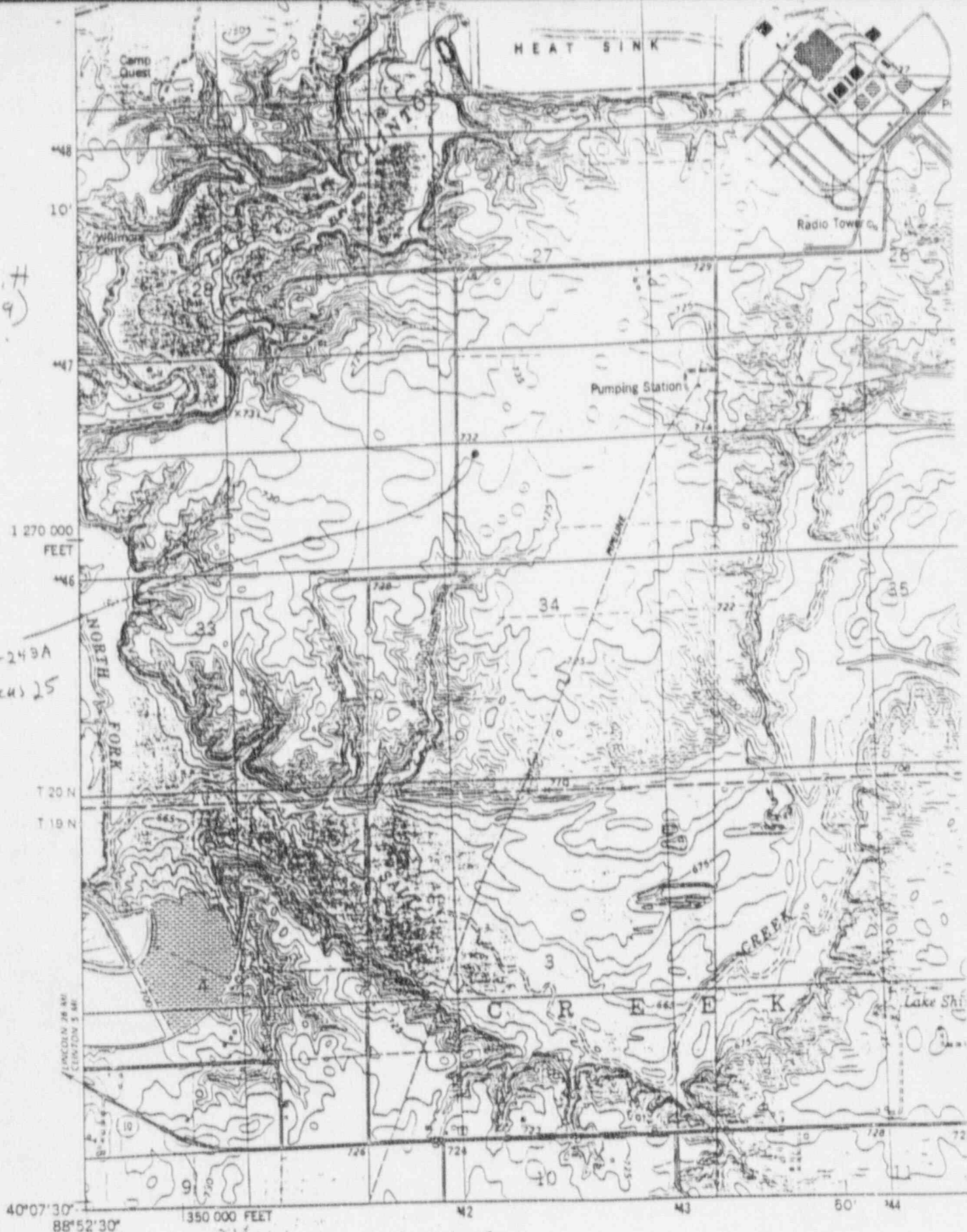
This site is labeled Locus 25 on the field maps. It is one of 7 sites tested within the boundaries of the Clinton Power Station Dredge Disposal Facility.

Sketch map and artifact drawings.

See attached photocopy of USGS 7.5' DeWitt quadrangle.

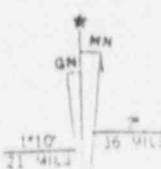
D.W.H.  
(1979)  
7.5"  
Quadr.

OW-243A  
Lucas 25



Mapped, edited, and published by the Geological Survey  
Control by USGS and NOS/NOAA  
Topography by photogrammetric methods from aerial photographs  
taken 1973. Field checked 1975-1978. Map edited 1979  
Projection and 10,000-foot grid ticks: Illinois coordinate  
system, east zone (transverse Mercator)  
1983 - Water Universal Transverse Mercator grid, zone 15

(MAROA)  
324 33 34





# ILLINOIS ARCHAEOLOGICAL SURVEY

Recorded Yes--Phase 2 revision site form

Survey No. 11-Dw-305

County DeWitt

Twp. Harp

Quadrangle DeWitt

Legal Description (1/4's)

SE 1/4; SE 1/4; NW 1/4; SE 1/4; NW 1/4

Reg. Inst. No. Dw-245A

Culture Early Archaic and Late Woodland

Type of site Habitation/scatter

Sec. 34

Twp. 20N

Range 3E

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 16

N 4448050

/E 342205

Previous owners

Present tenant Jesse Spencer

Directed to site by EIS required: H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) 30 m E-W; 20 m N-S; 250 sq. m.; confined to plowzone

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and Location On south slope of knoll overlooking a draw to the south, southwest corner of Field E. General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply Salt Creek 1.5 km SW.

Drainage Salt Creek

Nearby sites Dw-241A is on knoll crest to north

Modern occupation (building, plowing, etc.) Plowing

Type of soil Birkbeck silt loam

Ground cover Corn stubble (90% visibility) and disced pasture (50% visibility)

## MATERIAL FROM SITE

1 flake

1 piece unidentified metal

1 piece crockery

1 blown glass bottle neck (late 19th century)

Surface coll. by Ahler

Date 3/11/90 Institution ISM

Tested by Ahler

Date 5/7/90 Institution ISM

Excavated by

Date Institution

Nature and extent of survey - Field conditions Metric grid established, followed by controlled surface collection in 10 x 10 m units. Mechanical removal of plowzone from a strip 11 x 50m revealed no sub-plowzone features.

Curation ISM

## MATERIAL REPORTED AS BELONGING TO SITE

1 Early Archaic "Dovetail" point; 1 Early Archaic Kirk-like point

Owner of Material Les Trotter: DeWitt, IL

Certainty of Origin Firm

Site reported by Ahler

Date 3/19/90

Visited 3/11/90

Survey report by Ahler

Date 3/19/90



Publications:

None

Photo:

None

Study status: Recommended work performed. No sub-plowzone features or postmolds recovered.  
Recommend no additional work.

Remarks:

This site is labeled Locus 27 on the field maps. It is one of 7 sites tested within the boundaries of the Clinton Power Station Dredge disposal Facility.

Sketch map and artifact drawings.

See attached photocopy of USGS 7.5' DeWitt quadrangle.

Dw. H  
(1979)  
7.5"  
Aerial

Dw-245A  
Locus 27  
11 Re-305



40°07'30"  
88°52'30"

1350 000 FEET

Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1973. Field checked 1975-1978. Map edited 1979

Projection and 10,000-foot grid ticks: Illinois coordinate system - east zone (transverse Mercator)

(MARCUS)  
5/14/79

GN  
MN

1:100,000  
1:250,000

## ILLINOIS ARCHAEOLOGICAL SURVEY

Recorded Yes--phase 2 revision site form

Survey No. 11-Dw-308

County DeWitt

Reg. Inst. No. DW-246A

Twp. Harp

Culture Middle Archaic

Quadrangle DeWitt

Type of site Lithic scatter

Legal Description (1/4's)

SW 1/4; SW 1/4; NW 1/4; SE 1/4; SW 1/4

Sec. 27

Twp. 20N

Range 3E

Site owner Illinois Power Co., contact H. E. Chamblin

Site address Decatur, Ill

U.T.M. Zone 18

N 4448780

/E 342105

Previous owners

Present tenant Reynolds

Directed to site by EIS required; H. E. Chamblin

Mapped by Steven R. Ahler, ISM

Extent of site (area and depth) 10 m E-W; 5 m N-S; 100 sq. m.; confined to plowzone

Previous excavation None

Pitting None observed

## ENVIRONMENT

Topography and Location On almost flat area, very low lobe in west-center part of Field F.  
 General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply North Fork 1.1 km NW.

Drainage North Fork

Nearby sites None on same physiographic feature

Modern occupation (building, plowing, etc.) Plowing

Type of soil Birkbeck silt loam

Ground cover Corn stubble, 90-100% visibility

## MATERIAL FROM SITE

- 1 flake
- 1 angular chert fragment--probably cultural
- 1 hammerstone
- 1 piece crockery
- 2 undecorated whiteware
- 1 decorated whiteware, hand-painted
- 1 green glass blown bottle neck, late 19th century
- 1 metal valve
- 2 brick fragments

Surface coll. by Ahler

Date 3/11/90 Institution ISM

Tested by Ahler

Date 5/8/90 Institution ISM

Excavated by

Date Institution

Nature and extent of survey - Field conditions Metric grid established, followed by controlled surface collection in 10 x 10 m units. Mechanical removal of plowzone from a strip 10 x 40m revealed no sub-plowzone features.

Curation ISM

## MATERIAL REPORTED AS BELONGING TO SITE

Owner of Material

Certainty of Origin

Site reported by Ahler

Date 3/19/90

Visited 3/11/90

Survey report by Ahler

Date 3/19/90

**Publications:**

None

**Photo:**

See ISM record curation

**Study status:**

Recommended work performed. No sub-plowzone features or postmolds recovered. Recommend no additional work.

**Remarks:**

This site is labeled Locus 28 on the field maps. It is one of 7 sites tested within the boundaries of the Clinton Power Station Dredge Disposal Facility.

Sketch map and artifact drawings.

See attached photocopy of USGS 7.5' DeWitt quadrangle.



DeWitt  
(1979)  
7.5"  
Quadr.

DW-246A  
Locus 28

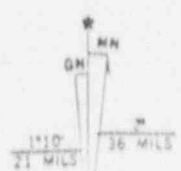
1:270,000  
FEET

40°07'30"  
88°52'30"

1:350,000  
FEET

(MADDA)  
344 is SW

Mapped, edited, and published by the Geological Survey  
Control by USGS and NOS/NOAA  
Topography by photogrammetric methods from aerial photographs  
taken 1973. Field checked 1975-1978. Map edited 1979  
Projection and 10,000-foot grid ticks: Illinois coordinate  
system, east zone (transverse Mercator)  
1:250,000 Universal Transverse Mercator grid, zone 16



# ILLINOIS ARCHAEOLOGICAL SURVEY

Recorded Yes--phase 2 revision site form Survey No. 11-Dw-308

County DeWitt Reg. Inst. No. Dw-248A  
Twp. Harp Culture Terminal Archaic  
Quadrangle DeWitt Type of site Lithic scatter  
Legal Description (1/4's)  
SW 1/4; SW 1/4; SW 1/4; NE 1/4; SW 1/4 Sec. 27 Twp. 20N Range 3E

Site owner Illinois Power Co., contact H. E. Chamblin  
Site address Decatur, Ill U.T.M. Zone 16  
N 4448965 /E 342105

Previous owners  
Present tenant Jesse Spencer (?)  
Directed to site by EIS required; H. E. Chamblin  
Mapped by Steven R. Ahler, ISM  
Extent of site (area and depth) 30 m NW-SE; 10 m NE-SW; 300 sq. m.; confined to plowzone  
Previous excavation None  
Pitting None observed

## ENVIRONMENT

Topography and Location On gentle slope overlooking small draw to north, in southwest part of Field G. General topography is minimally dissected uplands with occasional rises and low wet areas.

Water supply North Fork 0.9 km NW.  
Drainage North Fork  
Nearby sites  
Modern occupation (building, plowing, etc.) Plowing  
Type of soil Birkbeck silt loam  
Ground cover Corn stubble, 90-100% visibility

MATERIAL FROM SITE  
1 angular chert fragment  
1 piece unmodified till  
1 piece crockery

Surface coll. by Ahler Date 3/11/90 Institution ISM  
Tested by Ahler Date 5/8/90 Institution ISM  
Excavated by Date Institution  
Nature and extent of survey - Field conditions Metric grid established, followed by controlled surface collection in 10 x 10 m units. Mechanical removal of plowzone from a strip 10 x 50m revealed no sub-plowzone features.  
Curation ISM

## MATERIAL REPORTED AS BELONGING TO SITE

Owner of Material  
Certainty of Origin  
Site reported by Ahler Date 3/19/90 Visited 3/11/90  
Survey report by Ahler Date 3/19/90

**Publications:**

One

**Photo:**

None

**Study status:**

Recommended work performed. No sub-plowzone features or postmolds recovered. Recommend no additional work.

**Remarks:**

This site is labeled locus 30 on the field maps. It is one of 7 sites tested within the boundaries of the Clinton Power Station Dredge Disposal Facility.

Sketch map and artifact drawings.

See attached photocopy of USGS 7.5' DeWitt quadrangle.

Dw With  
(1979)  
7.5"  
Quad

DW-  
248A  
Locus 30

1 270 000  
FEET

T 20 N  
T 19 N

LINE 28 40  
5 6 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

40°07'30"  
88°52'30"

350 000 FEET

42

43

50' 44

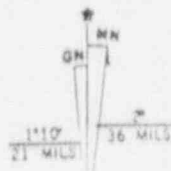
Mapped, edited, and published by the Geological Survey  
Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs  
taken 1973. Field checked 1975-1978. Map edited 1979

Projection and 10,000-foot grid ticks: Illinois coordinate  
system - east zone (transverse Mercator)

UTM - Universal Transverse Mercator grid, zone 16

(MARCA)  
3544 35 SW





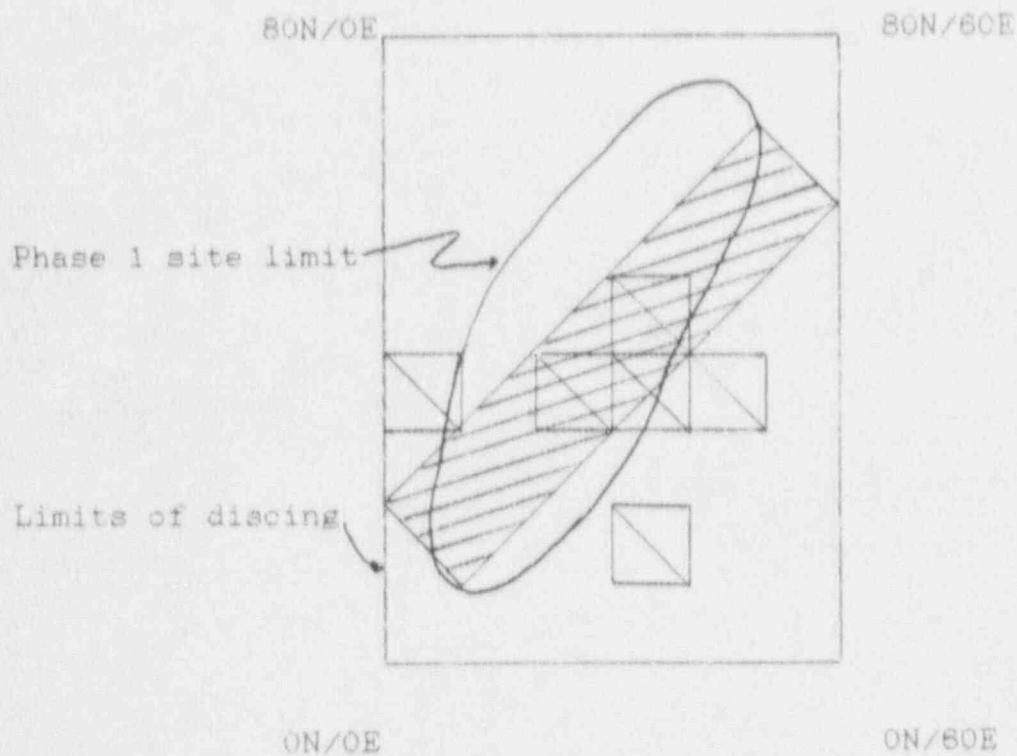
# ILLINOIS POWER PHASE 2 EVALUATION

## LOCUS 1

ISM SITE # Dw-219a  
IAS SITE # 11-Dw-287

SCALE 1:1000

50 meters



POSITIVE CONTROLLED SURFACE COLLECTION UNIT



MECHANICALLY STRIPPED AREA

ILLINOIS POWER PHASE 2 EVALUATION  
LOCUS 6

ISM SITE # Dw-224A  
IAS SITE # 11-Dw-290

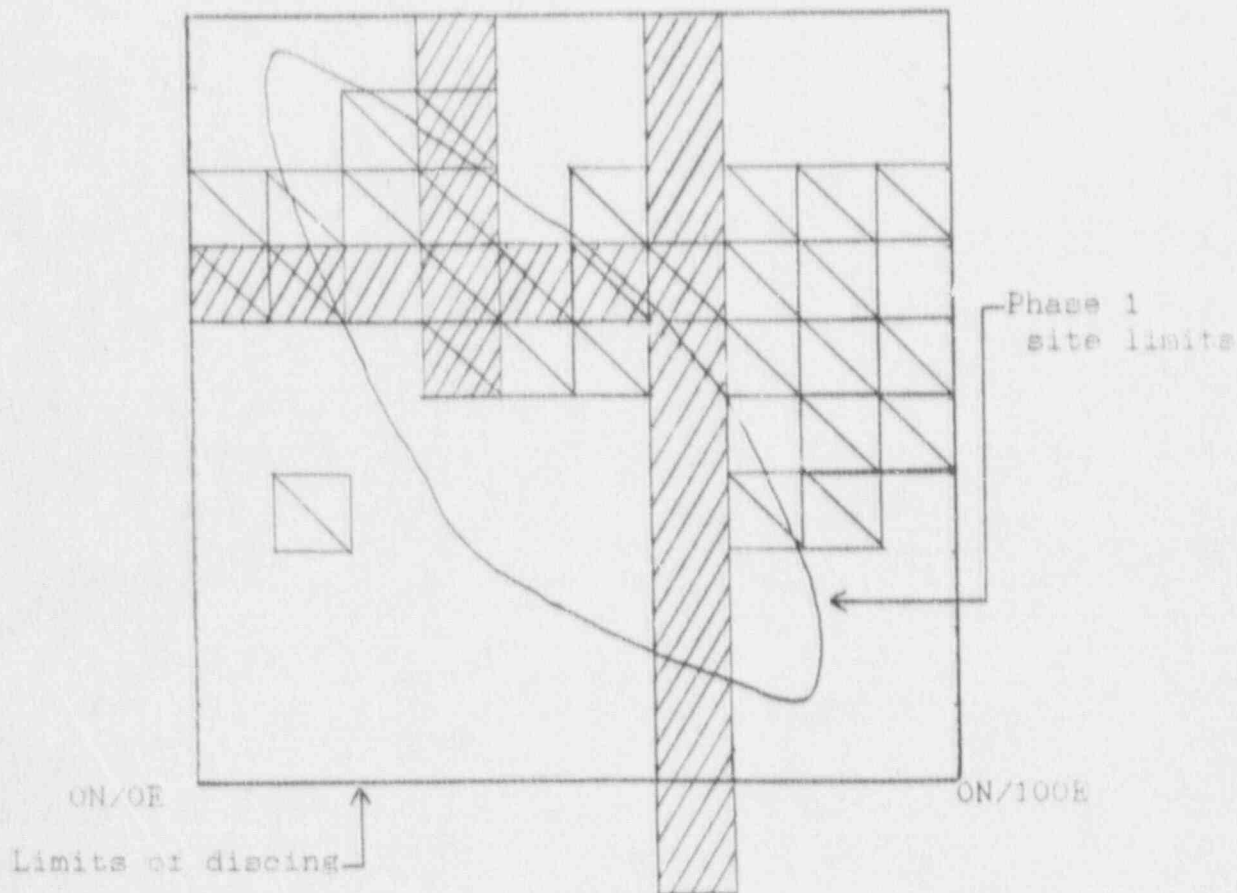
SCALE 1:1000

50 meters



100N/0E

100N/100E



POSITIVE CONTROLLED SURFACE COLLECTION UNIT



MECHANICALLY STRIPPED AREA

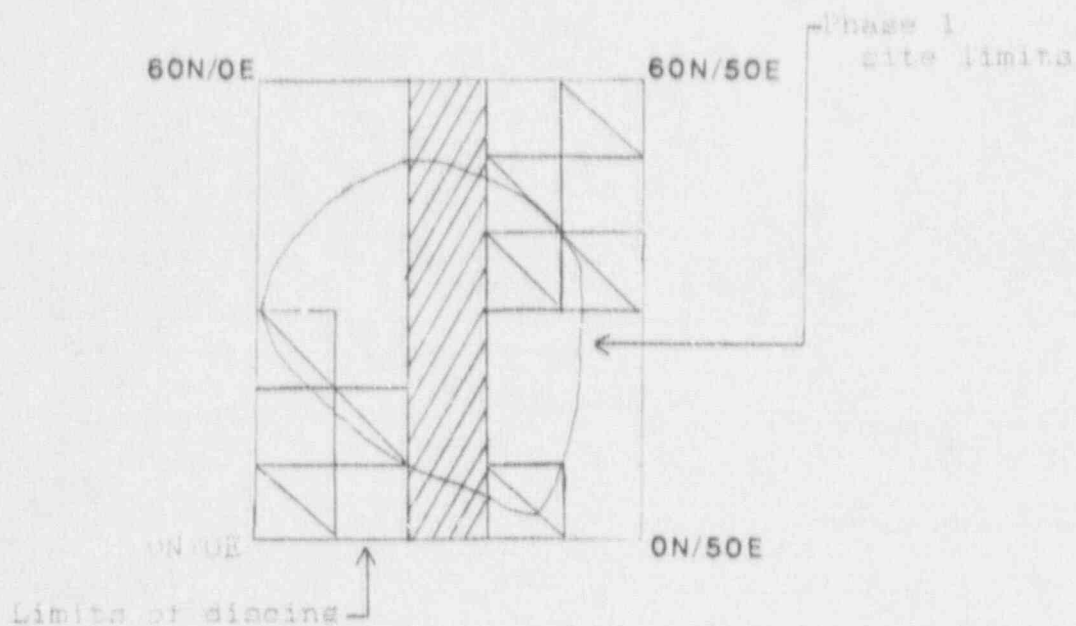
# ILLINOIS POWER PHASE 2 EVALUATION

## LOCUS 10

ISM SITE # Dw-228A  
IAS SITE # 11-Dw-294

SCALE 1:1000

50 meters



POSITIVE CONTROLLED SURFACE COLLECTION UNIT



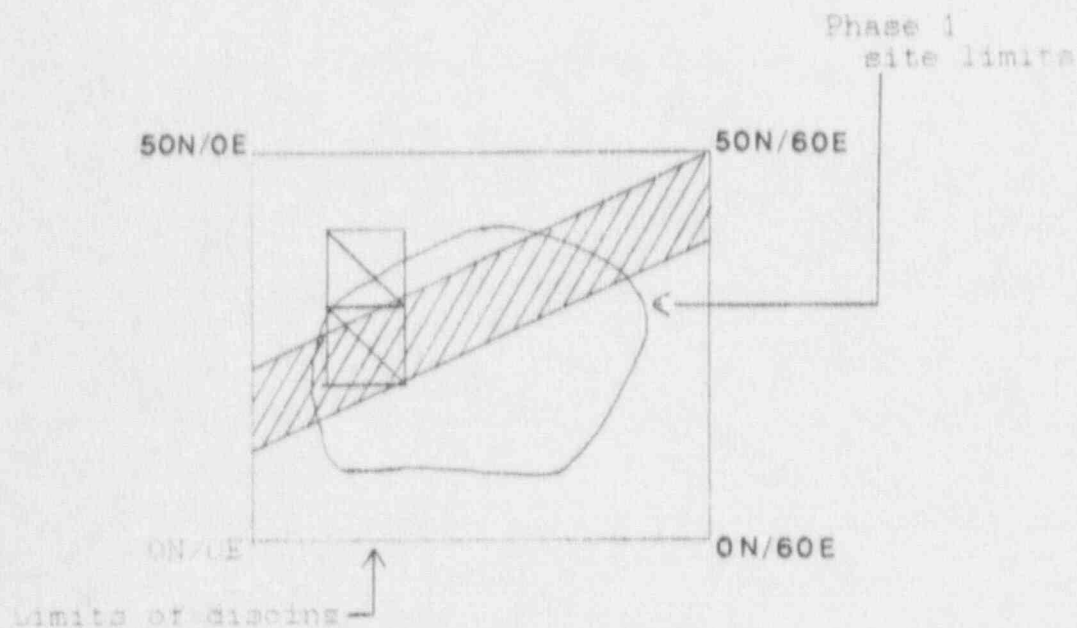
MECHANICALLY STRIPPED AREA

ILLINOIS POWER PHASE 2 EVALUATION  
LOCUS 25

ISM SITE # Dw-243A  
IAS SITE # 11-Dw-303

SCALE 1:1000

50 meters



POSITIVE CONTROLLED SURFACE COLLECTION UNIT



MECHANICALLY STRIPPED AREA



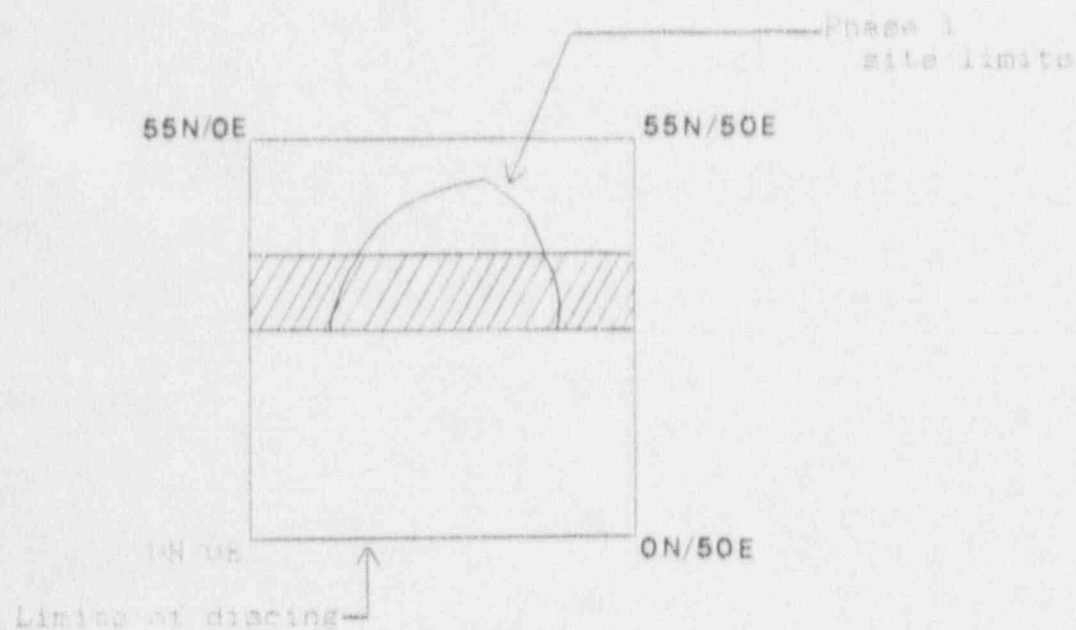
# ILLINOIS POWER PHASE 2 EVALUATION

## LOCUS 27

ISM SITE # Dw-245A  
IA2 SITE # 11-Dw-305

SCALE 1:1000

50 meters



POSITIVE CONTROLLED SURFACE COLLECTION UNIT



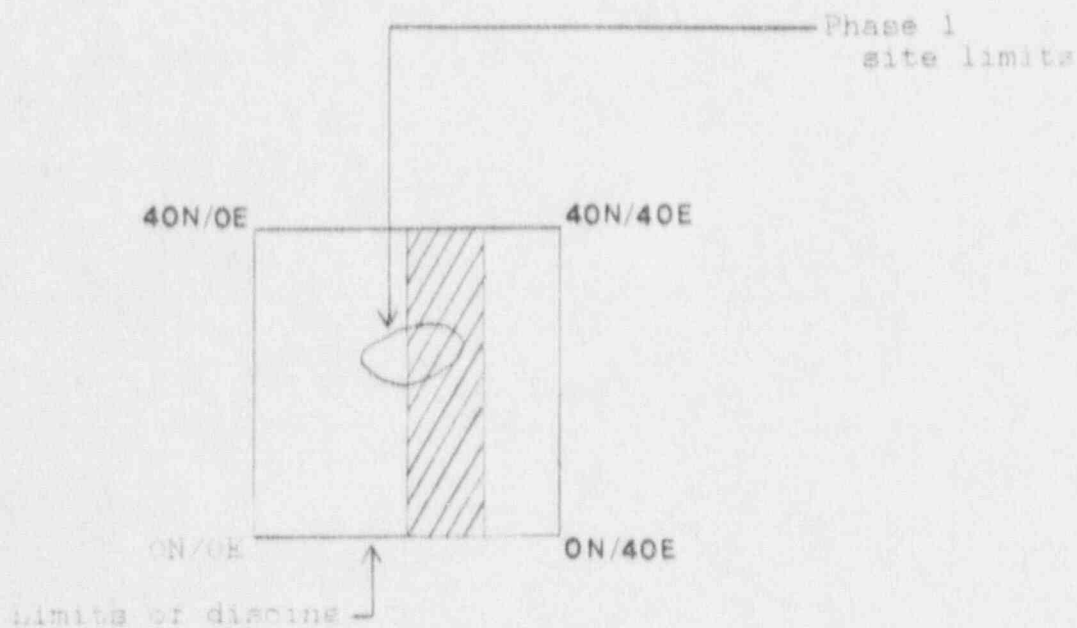
MECHANICALLY STRIPPED AREA

ILLINOIS POWER PHASE 2 EVALUATION  
LOCUS 28

ISM SITE # Dw-246A  
IAS SITE # 11-Dw-306

SCALE 1:1000

50 meters



POSITIVE CONTROLLED SURFACE COLLECTION UNIT



MECHANICALLY STRIPPED AREA

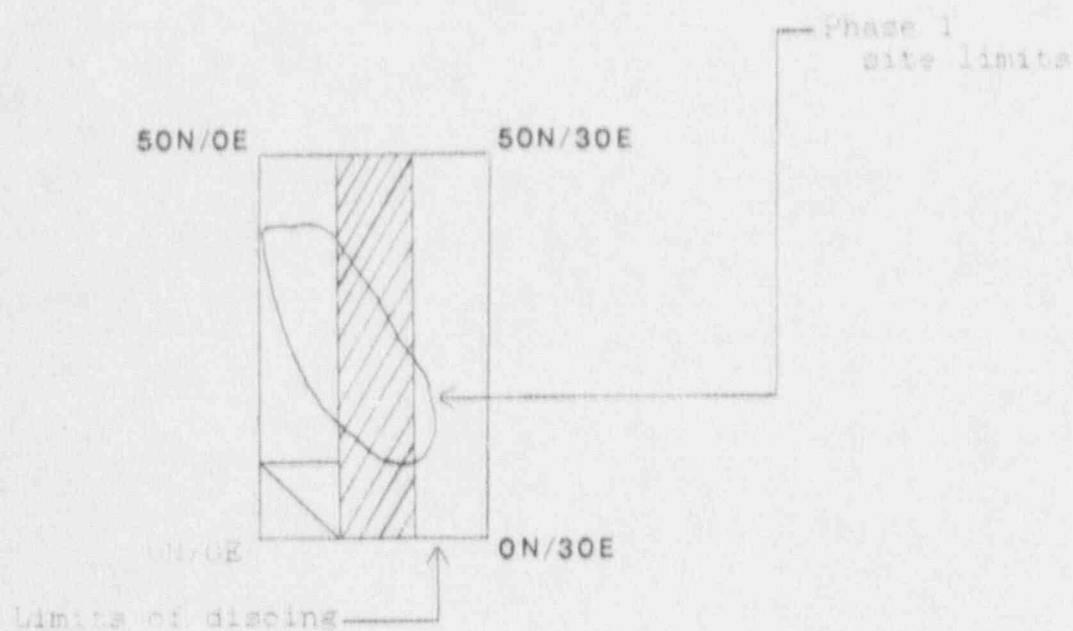
# ILLINOIS POWER PHASE 2 EVALUATION

## LOCUS 30

ISM SITE # Dw-248A  
IAS SITE # 11-Dw-308

SCALE 1:1000

50 meters



POSITIVE CONTROLLED SURFACE COLLECTION UNIT



MECHANICALLY STRIPPED AREA

CLINTON POWER STATION  
ULTIMATE HEAT SINK DREDGING PROJECT

SUMMARY OF MATERIAL RECOVERED--PHASE 1

FIELD No. (ISM No.) MATERIAL RECOVERED

Locus 1 (Dw-219A) 1 Koster-like flake point  
16 rocks/FCR--discarded  
9 flakes  
3 chert till pieces  
2 cores  
1 historic crockery fragment

Locus 6 (Dw-224A) 22 flakes  
5 Center-pitted cobbles  
6 cores  
1 Hammerstone  
2 scrapers  
10 rocks (discarded; not modified)  
2 historic crockery pieces (20th century)

Locus 10 (Dw-228A) 1 Early Archaic Kirk-like point  
17 flakes  
2 thin biface fragments  
6 rocks discarded (not modified)

Locus 25 (Dw-243A) 11 flakes  
1 core  
1 thick biface fragment  
1 Terminal Archaic Merom/Trimble like point

Locus 27 (Dw-245A) 5 flakes  
1 LW/Miss triangular point  
1 core  
1 scraper  
2 chert till pieces  
Kirk-like Early Archaic point and Thebes/Dovetail early  
Archaic point found on site by Les Trotter (Dewitt)  
Examined by Ahler and site location confirmed in field.

Locus 28 (Dw-246A) 1 flake  
1 Middle Archaic side-notched point  
1 chert till piece

Locus 30 (Dw-248A) 4 flakes  
1 Terminal Archaic Merom/Trimble point

CLINTON POWER STATION  
ULTIMATE HEAT SINK DREDGING PROJECT

SUMMARY OF MATERIAL RECOVERED--PHASE 2

FIELD No. (ISM No.) MATERIAL RECOVERED

Locus 1 (Lw-219A) 4 flakes  
1 undecorated whiteware fragment  
1 piece flat glass  
1 glazed brick  
2.2 kg unmodified rock--discarded

Locus 6 (Lw-224A) 30 flakes  
3 bipolar flakes  
3 retouched flakes  
5 angular chert fragments--probably cultural  
5 cores  
1 tested core  
2 thick biface fragments  
1 center-pitted cobble  
1 Unidentified corner-notched point fragment,  
possibly Early Archaic  
1 historic crockery piece (20th century)  
1 whiteware fragment  
3.6 kg unmodified rock--discarded

Locus 10 (Lw-228A) 1 Early Archaic small diagonally notched point  
4 flakes  
1 thin biface fragment  
1 angular chert fragment, probably cultural  
1 center-pitted cobble  
2 pieces of till (not modified)

Locus 25 (Lw-243A) 4 flakes  
1 core  
1 unifacial scraper  
1 glazed brick  
3 whiteware fragments  
1 piece crockery  
1 clear glass bottle base  
1 metal hexnut  
1 blue glass fragment  
1 polished bone (historic)

Locus 27 (Lw-245A) 1 flake  
1 piece unidentified metal  
1 piece crockery  
1 blown glass bottle neck (late 19th century)  
0.1 kg unmodified rock--discarded



Locus 28 (Dw-248A) 1 flake  
1 angular chert fragment--probably cultural  
1 hammerstone  
1 piece crockery  
2 undecorated whiteware  
1 decorated whiteware, hand-painted  
1 green glass blown bottle neck, late 19th century  
1 metal valve  
2 brick fragments  
0.4 kg unmodified rock--discarded

Locus 30 (Dw-248A) 1 angular chert fragment  
1 piece unmodified till  
1 piece crockery

VERTICAL AND HORIZONTAL CONTROL POINTS  
ILLINOIS POWER PHASE 2 EVALUATIONS

LOCUS (ISM SITE #)	GRID LOCATION	UTM NORTH	UTM EAST	ELEVATION (mAMSL)
1 (Dw-219A)	ON/OE	4447240	342480	223.07
6 (Dw-224A)	ON/OE	4447000	342740	223.74
10 (Dw-228A)	ON/OE	4446880	342760	224.72
25 (Dw-243A)	ON/OE	4446500	342140	223.135
27 (Dw-245A)	5ON/OE	4446065	342190	221.235
28 (Dw-246A)	ON/OE	4446740	342095	223.565
30 (Dw-248A)	ON/OE	4446940	342100	222.49

SITE DIMENSIONS AND AREAS  
ILLINOIS POWER PHASE 2 EVALUATIONS

ISM #	AREA (m <sup>2</sup> )	LENGTH	SITE DIMENSIONS			DISCKD AREA		STRIPPED AREA (m <sup>2</sup> )
			DIRECTION	WIDTH	DIRECTION	N-S	E-W	
Dw-219A	1600	70	NE-SW	20	NW-SE	80	80	1013
Dw-224A	4200	110	NW-SE	35	NE-SW	100	100	2050
Dw-228A	1400	40	N-S	40	E-W	60	50	600
Dw-243A	1100	50	NE-SW	30	NW-SE	50	60	600
Dw-245A	250	30	E-W	20	N-S	50	50	550
Dw-246A	100	10	E-W	5	N-S	40	40	400
Dw-248A	300	30	NW-SE	10	NE-SW	50	30	500

Springfield, IL 62706

R. Bruce McMillan, Executive Secretary  
Nancy N. Patton, Administrator

217-782-7386

springfield  
illinois  
state  
museum society

19 April 1990

Mr. H. E. Chamblin  
Environmental Assistant  
Illinois Power Company  
500 South 27th Street, P.O. Box 501  
Decatur, Illinois 62525-1805

Dear Mr. Chamblin:

Enclosed is a proposal for a Phase II cultural resource evaluation of seven sites located within the proposed construction area of the Illinois Power Company dredge disposal facility in DeWitt County. Should you have any questions concerning this proposal, please contact Dr. Michael D. Wiant at 217-785-0134.

Sincerely,

R. Bruce McMillan  
Executive Secretary

Enclosure

**PHASE II CULTURAL RESOURCE ASSESSMENT**  
Illinois Power Company, Ultimate Heat Sink Dredge Facility  
DeWitt County, Illinois

**Introduction**

This proposal presents the scope of services, time estimate and budget for a Phase II cultural resource assessment. This assessment involves seven sites located during Phase I reconnaissance of a 220-acre tract of land, which is the proposed location of a dredge disposal facility for the Illinois Power Company in DeWitt County, Illinois.

Phase II investigation is required for a determination of eligibility for nomination to the National Register of Historic Places (NRHP). The eligibility criteria are established by the NRHP Advisory Council. A prehistoric site is considered eligible if it contains significant material relevant to scientific study or regional or national research topics. If a site is determined eligible for the NRHP, avoidance of it is recommended. If site avoidance is not possible, scientific investigation (Phase III) is required to mitigate the potential negative effects of construction activities.

**Scope of Services**

**Fieldwork**

*Controlled Surface Collection*

After site boundaries are delimited with surveyors flags, each flagged area will be disced by a local farmer at Illinois Power expense. Surveyed benchmarks will be established as reference points to subdivide each site into 10m by 10m squares.

Once site surfaces are well-washed by rainfall, all artifacts will be collected and segregated on a square by square basis. Each collection unit will be analyzed to: 1) determine the type and density of artifacts, 2) delineate potentially significant clusters of artifacts, and 3) redefine site boundaries.

*Plow zone Stripping*

After establishing the site dimensions and documenting clusters of artifacts, the plowzone will be mechanically removed from approximately 50% of each site using a drag-pan or similar machine. Freesen Inc., the prime contractor for the construction project, will provide equipment and operators for this activity.

*Feature Delineation and Excavation*

Any sub-plowzone stains will be mapped using the surveyed benchmarks. If features, non-portable artifacts, are exposed they will be 1) excavated, 2) their plan-views and profiles drawn and photographed, and 3) sediment samples taken for analysis of small-scale remains, e.g., flora and fauna. Excavators will record their observations on standard record forms.

A site with a high density of well-preserved features may be eligible for nomination to the NRHP. Upon exposure of such a site representatives of Illinois Power and the Illinois Historic Preservation Agency (IHPA) will be contacted to develop a strategy for mitigation of the deposits.

### **Laboratory Analysis**

Laboratory processing of artifacts will be conducted at the Illinois State Museum Research and Collections Center by the field archaeologist and an assistant. Processing will include cleaning, labeling, artifact preservation, analysis and tabulation. The preliminary processing will take place after the completion of fieldwork.

### **Analysis and Report Preparation**

Analysis and report preparation will consist of detailed analyses and interpretations of artifacts and site data, completion of updated Illinois Archaeological Survey site forms, and preparation of a report following the guidelines of the Illinois Archaeological Survey and the State Historic Preservation Office. It will contain a description of scientific finds, an evaluation of whether the site meets the criteria for inclusion in the NRHP, assessment of significance, and, if necessary, precise recommendations for mitigation of adverse impacts for each of the seven affected sites.

At the request of Freesen, Inc., the final report will be submitted in two installments. The first installment will include sites that will be affected early in the construction process, and the second installment will include those sites not immediately affected.

### **Curation**

All artifacts and documentation acquired during this project will be curated at the Illinois State Museum Research and Collections Center. Upon request, qualified researchers may have access to the artifacts and documentation curated by the Illinois State Museum.



## Time Schedule

Custom Discing	0.5 day
Surveying	
Field archaeologist	2.0 days
Assistant	2.0 days
Controlled surface collection	
Field archaeologist	2.0 days
Assistants (3)	6.0 person-days
Distribution mapping	
Field assistants	2.0 person-days
Mechanical removal of plowzone	
Freesen, Inc.	2.0 days
Inspection of sub-plow zone surface	
Field archaeologist	2.0 days
Assistants (3)	6.0 person-days
Feature excavation	
Field archaeologist	3.0 days
Assistants (3)	9.0 person-days
Laboratory processing	
Field archaeologist	10.0 person-days
Assistant	10.0 person-days
Analysis and report preparation	
Field archaeologist	<u>6.0 days</u>
Total	61.0 person-days