United States
Environmental Protection
Agency

Environmental Monitoring
Systems Laboratory
P.O. Box 15027
Las Vegas NV 89114

TS-PIC-2014
March 1982

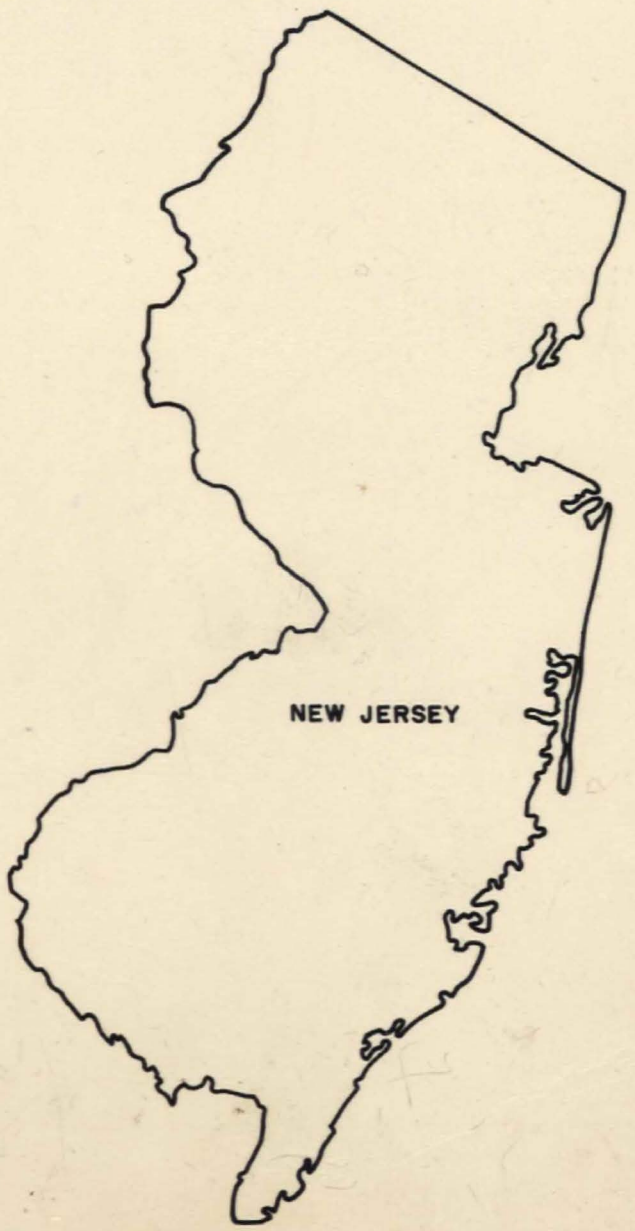
Research and Development

Return to:
EPA Region II
R.C. Staff Attorney

EPA

Bridgeport Rental And Oil Services Site Investigation Bridgeport, N.J.

prepared for
EPA Region 2
&OERR



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TS-PIC-2014
March 1982

Bridgeport Rental And Oil Services Site Investigation Bridgeport, N.J.

by
Linda A. Cooper, Environmental Imagery Analyst
The Bionetics Corporation
Warrenton, VA 22186

Contract No. 68-03-2844

Project Officer
Vernard H. Webb
Environmental Photographic Interpretation Center
Environmental Monitoring Systems Laboratory
Warrenton, VA 22186, FTS 557-3110

ENVIRONMENTAL MONITORING SYSTEMS LABORATORY
OFFICE OF RESEARCH AND DEVELOPMENT
U.S. ENVIRONMENTAL PROTECTION AGENCY
LAS VEGAS, NEVADA 89114

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
ENVIRONMENTAL PHOTOGRAPHIC INTERPRETATION CENTER
VINT HILL FARM STATION
P.O. 1587, WARRENTON, VIRGINIA 22186

April 26, 1988

RECEIVED
MAY 03 1988
S & M BRANCH

SUBJECT: Transmittal of Results of Analysis for Northernmost Lagoon at Bridgeport Rental & Oil, NJ (PIC #88103)

FROM: Donald Garofalo
Regional Coordinator
Environmental Photographic Interpretation Center
Advanced Monitoring Systems Division

TO: Carol Price DiGuardia
Remote Sensing Coordinator
Region 2

We have completed our historical aerial photo analysis of the northernmost lagoon at the Bridgeport Rental and Oil Site in Logan Township, NJ, in response to your recent request dated March 9, 1988. The results of our analysis indicate that in 1957 there is no evidence of waste disposal at the lagoon. In 1959 there is evidence of probable waste disposal and in 1963 there is evidence of definite waste disposal.

This completes our work on this project. If you have any questions about it, please contact Don Fannelli, the Analyst, or me at FTS 557-3110.

cc:
Eugene P. Meier, AMD

Bridgeport Rental and Oil Services

Introduction

A large waste lagoon at the site of Bridgeport Rental and Oil Services has been contaminating local groundwater with oil and a variety of hazardous substances. Located adjacent to a marsh, the site is in close proximity to the Delaware River (see Drainage Diagram, page 3).

In order to document past management practices and to determine the contamination extent, historical aerial imagery was utilized. Photographic enlargements for the following years are included in the present report:

Black and White	- 1940, 1957, 1959 (April), 1959 (October), 1963, 1965 and 1972.
Conventional Color	- 1975 and 1979.
Color Infrared	- 1980 (Enviro-Pod).

Imagery scales are listed in the Film Bibliography. Land Use and Drainage Diagrams have been provided using the 1979 color imagery.

Liquid dumping at the site was occurring as far back as 1940, the earliest imagery available for this study. This liquid always appears very dark in tone on the black and white imagery. On color imagery the lagoon contains both black and discolored liquid. Changes in the lagoon size are noted on each photograph. It must be emphasized that only surface area measurements were made as lagoon depths could not be determined (See Table 1).

The site can be located on the Bridgeport, New Jersey - Pennsylvania USGS topographic map (see Location Diagram).

Table 1. Historical lagoon measurements (in surface acres).

Year of Photo	Lagoon Measurements (in surface acres)
1940	0.54
1957	9.57
1959 (April)	8.02
1959 (October)	6.15
1963	10.24
1965	11.16
1972	12.90
1975	13.70
1979	13.33

USGS Land Use/Land Cover Classification System, Level II
(Excerpted from USGS Professional Paper No. 964)

1. Urban or Built-Up Land
    - 11. Residential
    - 12. Commercial and Services
    - 13. Industrial
    - 14. Transportation, Communications, and Utilities
2. Agricultural Land
    - 21. Cropland and Pasture
3. Rangeland
    - 31. Herbaceous Range
4. Forest Land
    - 41. Deciduous Forest
    - 42. Evergreen Forest
5. Water
    - 52. Natural Lakes and Ponds
6. Wetland
    - 61. Forested Wetland
7. Barren Land
    - 75. Extraction: Active or Inactive Mines, Quarries or Pits
    - 76. Transitional Area

Bridgeport 1940

The first available imagery, 1940, reveals a half-acre liquid-filled lagoon at the site. The lagoon, which contains dark liquid, appears to be partially subdivided, as if it has been excavated in sections. There are no buildings, tanks, trucks, or other structures present at the site.

The unimproved access road has three termination points. The first branch curves westward and ends at a ground scarred depressed area. The remaining two branches lead directly to the lagoon. Ground scarring west of the lagoon is probably related to dumping activities; however, similar areas to the east reveal no apparent access.

No surface drainage from the lagoon is evident at this time. Off-site drainage in the adjacent marsh is also untraceable.

Bridgeport 1957

The lagoon seen in the 1940 photo has been filled (a dotted line indicates the previous location). The area north of the present lagoon has been cleared and will become the site of all future tanks and buildings. More recent grading is evident at the northwest end of the lagoon where two buildings have been constructed. An area of ground staining is also apparent.

At the northeast end, a short unimproved road provides access to the site directly from Route 130 (a divided highway which has been constructed since 1940). A possible trailer can be seen just inside the entrance. East of the access road there is an area of possible dumping or ground disturbance; this becomes an open storage area in successive years.

The waste lagoon itself comprises 9.57 surface acres. Drainage from the lagoon at one time probably traveled through a ditch at the northeast corner. The ditch appears to have been at least partially filled. Standing liquid has collected along Route 130 and is flowing northward underneath it via culverts.

An uncompleted berm has been constructed south of the lagoon; it borders the sand/gravel operation. Some ground staining is apparent near here.

Bridgeport 1959

An additional photo for 1959, taken April 3, has been included for the final report. The October 19 photo, which appeared in the interim report, has had two modifications which are discussed later.

April 3, 1959 Photo

The April 3, 1959 imagery provided additional information for this year's analysis.

The most noticeable change from the 1957 photo is the increased activity level. Construction is beginning in the northern half of the site where a large number of vehicles and horizontal tanks are discernible.

Large areas of standing liquid are found in the center of the cleared area. This liquid is significant because it is found at the same location as the 1940 lagoon. It cannot be determined whether this is seepage or newly dumped liquid waste. Much of the area surrounding this liquid has been disturbed.

The waste lagoon has been extended at the northeast corner since 1957. Liquid is flowing northward from the lagoon via a ditch and then eastward into the marsh. Liquid from this area eventually flows through a culvert under Route 130. The dumping site seen in this area will become an open storage area for discarded tanks in later years.

The first evidence of possible seepage east of the lagoon is evident at this time also.

October 19, 1959 Photo

Although the resolution of this imagery is poor, a good deal of activity is evident north of the waste lagoon.

Approximately eleven vertical tanks have been constructed at Tank Area 1 (annotated as T1 on the photo). These appear to be unrevetted. At least nine horizontal tanks are found in various locations on the site (see photo annotations). In addition, two tank trucks are parked just south of Route 130. No definite processing area can be discerned in 1959, although several small buildings are scattered throughout the area.

Unknown materials have been stacked in the area north of T1. Two areas adjacent to T1, which appear as thin dark bands on the photo, are probably ditches. The larger of the two originates east of the tank area and travels south to the waste lagoon. The other ditch runs east to west at the north end of the tank area.

The waste lagoon covers 6.15 surface acres in October of 1959. A retaining wall has been constructed along the eastern boundary of the lagoon. The top of this wall is probably being used as a road to transport vehicles to the southern portion of the site.

The berm at the southern end is still present.

Bridgeport 1963

Activity levels at the site have increased considerably since 1959. The lagoon has expanded to 10.24 acres, and seepage is evident along the eastern boundary. At least 30 horizontal tanks, tank trucks and truck trailers are scattered about the site (annotated as small solid lines). Some of these may be storage tanks.

This photo shows the first appearance of a processing area (annotated as P) which contains many vertical and horizontal tanks and several buildings. A large storage/warehouse building has been constructed to the west; debris is evident adjacent to it.

Ditches and areas of standing liquid can be seen in the central portion of the site. These will be described from west to east. A stream of light-colored drainage is flowing from the processing area (P) into the lagoon. Further east, a series of ditches can be seen terminating at the lagoon's edge. Several horizontal tanks are discernible in this area. Dumping, possibly of drums, is evident just south of a large area of standing liquid. A small section of a berm runs between T1 and this pool of liquid. Another pool of liquid to the east is draining directly into the lagoon. Further east, a small ditch runs from another dump site with possible drums to the lagoon. The open storage area bordering the marsh contains approximately six small tanks and debris. A pool of standing liquid has appeared east of the open storage area.

A new tank area (T2) has been constructed north of T1. Five vertical tanks, two horizontal tanks, and one large tank under construction are currently found in the unrevetted area. Two ditches are leading from the area northward to a small pool of liquid along Route 130.

The original tank area (T1) now contains twelve vertical tanks; no revetment is present. Both T1 and T2 exhibit large areas of ground staining.

The area south of the site is still being actively mined. Ground staining, possibly as a result of leaching, is present at the northern edge of the eastern sand/gravel pit. (In 1979 this area is identified as a possible breach.) A large pool of dark seepage has collected adjacent to the waste lagoon along the southeast side. A ditch runs south of the pool into the sand/gravel pit. No liquid appears there.

Bridgeport 1965

The lagoon size has increased to 11.16 acres since 1963. Standing liquid is still present south of T1 and continues to drain into the lagoon. This liquid exhibits a sheen which is also evident along the northern edge of the lagoon.

Drums are found east of the large building in the transportation area. Tanks, tank trucks and truck trailers are still evident here as well.

Ground staining has increased within T2. The two ditches present in 1963 are now filled with liquid and are draining into a larger ditch along Route 130, where a large pool of liquid has collected. Drainage cannot flow eastward here due to some filling activity which has dammed the liquid. The large tank in T2 is still unfinished. Ground staining can also be observed east of T2.

The standing liquid pool adjacent to the open storage area on the east side of the site has increased in size. The area of dumping southwest of the open storage area contains debris and possibly drums. It has increased in size since 1963. Debris is also scattered along the eastern boundary of the lagoon. Seepage into the marsh is occurring in three areas along this eastern boundary. The southernmost pool, which was present in 1963, is now surrounded on three sides by a berm. A pipe leads from the pool into the marsh. The ditch which runs into the sand/gravel pit still exists, but no liquid is present.

Bridgeport 1972

One significant change that has occurred since 1965 is in the area south of T1 and P. Extensive filling has covered the large pools of standing liquid that were present. The lagoon (12.90 acres) has encroached somewhat northward; the two horizontal tanks south of P are now in the liquid.

Two new seepage pools have formed southeast of the lagoon. The adjacent ditch most likely carries overflow drainage to the sand/gravel pit.

The open storage area in the northeast corner of the site has been expanded into the marsh. Tank trucks, trailers and other vehicles are stored here.

The berm around T2 has been strengthened, especially along the north side. Liquid is still present in the ditch along Route 130 adjacent to the berm.

Activity remains high in the transportation area. A pool of standing liquid is evident south of the large building located along the northwest edge of the site.

In general, ground staining is less prevalent (having been covered by fill material). Most staining which remains is within the tank areas and the processing area.

Bridgeport 1975

The waste lagoon now measures approximately 13.7 surface acres. The white tank remains lying in the northern part of the lagoon. The eastern retaining wall of the lagoon has been widened considerably, possibly as a remedial action to halt the seepage. All but the southernmost seepage pool have been filled.

A large area of vegetation damage is now evident east of the site. Several large pools of standing liquid can be seen in the damaged area. From here, drainage flows northward under Route 130 and Interstate 295 and then into a new man-made channel which terminates at the Delaware River.

The area north of the lagoon appears less active. The processing area (P) is composed of seven horizontal tanks, fourteen vertical tanks, one large open vertical tank, and four small buildings. None of the tanks are revetted. A tank truck is loading at the north end. At the southern end of the processing area, a section of pipe is slanting upward over a mound of dirt. Although it is pointing towards the lagoon, it is not functional for drainage at this time.

Horizontal tanks are scattered throughout the site and are annotated as HT on the photo. An incomplete revetment has been added to the original tank area (T1) along the southern end. The revetment is low and eroded, and probably would not withstand a spill. Two small vertical tanks are located just outside the revetment to the southeast. A pool of standing liquid can be seen between the tank area and the processing area. A small stream of liquid runs from the area south of T1 (not from the revetted area) to the waste lagoon.

The second tank area (T2) is composed of six vertical tanks and two small horizontal tanks. A revetment is present, but it does not completely encircle the area. One section along the south side has been removed, presumably to allow entry to vehicles. Another section on the northeast end has been weakened or possibly removed.

Several significant features can be found at the southeastern end. The dark area adjacent to the sand/gravel lagoon may possibly be a breach. A berm running east to west juts out from the possible breach area, where a pool of muddy-colored liquid still remains (old seepage pool).

Bridgeport 1979

This photo was taken in February 1979; some snow remains on the ground. Much of the standing liquid is frozen, and ice is beginning to form on the surface of the waste lagoon. The liquid in the lagoon appears black. However, a rust-colored substance, which may be sludge, is now evident along the surface. Drums and other debris can be seen all along the lagoon edges, suggesting that the liquid level has been lowered somewhat since 1975. The surface area has slightly decreased to 13.33 acres. Several small tanks can be seen in the lagoon at the north end.

Both revetments of the tank areas (T1 and T2) are weakened and incomplete in some areas. Dashed lines indicate weakened sections. Standing liquid (frozen) is present within both revetments. A ditch is still present north of T2 and contains standing liquid. It is unlikely that this liquid has flowed from T1, as the revetment is relatively high along this north side. An earthen dam is obstructing drainage from this ditch to the east.

A tank truck is present on the east shoreline of the lagoon where two men are directing a pipe or hose toward the lagoon's surface. The pipe or hose is attached to the lower part of the truck; however, liquid cannot be seen coming from it.

A small, white building, located on the northeast edge of the lagoon, is associated with a long horizontal tank and two vertical tanks. A white pipe is leading from the horizontal tank towards the lagoon; however, the pipe end does not appear to reach the lagoon surface, and no liquid is flowing out. Approximately a dozen drums can be seen on the south side of the building.

A grayish platform of some kind can be seen in the lagoon along the southeast edge. Its purpose is unknown.

Filling has occurred along the southeast edge of the site, covering the standing liquid and some of the dead vegetation present in 1975. Mounds of earth and debris can be seen here. Discolored liquid has pooled at the toe of the fill.

A makeshift berm (Berm 1) has been constructed south of T1. Berm 2 was probably constructed on the property line and extends to the lagoon. A small amount of frozen liquid is visible here and has collected between dark-colored ridges of dirt. Two truck trailers are found in this area, also.

A boom is located along the eastern shore of the sand/gravel lagoon to the south. The flow of dark liquid coming from the marsh is apparently being obstructed.

It is not certain whether the ground area southwest of the waste lagoon is related to Bridgeport at this time. Objects, probably debris, are being buried in this area. Large mounds of dirt are associated with these shallow burial areas. Weakened sections of a berm (Berm 3) stretch across the south end of the ground area. Marked erosion trails and a small pool of frozen liquid are evident here. East of here, dark ground stains located on the northern edge of the sand/gravel lagoon may have been caused by leachate from the waste lagoon.

Bridgeport 1980

The 1980 Enviro-Pod coverage is found on three separate infrared photos. The analysis discussion will proceed from north to south beginning with Photo 1.

Photo 1

Remedial efforts are presently in effect at the site, particularly within the tank areas where standing liquid is prevalent. New drums can be seen along the road between and within the tank areas.

Area A, located within T2, is a small, slightly bermed area containing about a dozen drums. It is somewhat lower in elevation than the surrounding area. Two horizontal tanks (HT) are nearby. It is possible that new drums are being filled within this protected area; a forklift and a small white mound are adjacent to the drum area. The white substance in the mound, possibly lime, has washed into a small liquid pool in the road. A generator or large pump with an attached hose is located a short distance down the road.

The revetment for T2 is not complete along the south side. Standing liquid of unknown origin is still found in the ditch bordering Route 130. A possible ditch is located further east along this road, but no liquid is present here. A small amount of standing liquid is evident at the west end of T2.

A large amount of standing liquid is also present within Tank Area One (T1). New drums have been stacked at the center of the area. A revetment is present only along the south end where most of the liquid has collected.

Next to the large dark tank in T1 there is a pipe which passes over the south revetment and then terminates. It does not appear to go underground here. At the opposite end, the pipe can be traced to the edge of the tank; it cannot be determined whether the pipe goes underground or into the tank.

South of T1, the area along the shore has been filled and graded. Pools of standing liquid are found just south of the revetment. Horizontal and vertical tanks in this area are annotated on the photo.

The open storage area to the east has several significant features. As before, discarded tank trailers are present. Old drums are stacked on an open trailer with new drums nearby. Vegetation stress and damage are evident throughout the entire marsh area to the east.

The transportation area west of the processing area (P) shows very little activity; only six tank/truck trailers are present. More activity is evident north of P; tank trailers and ground stains are found adjacent to the small office building.

Photo 2

Three areas of discolored, standing liquid are visible at the northern shore of the lagoon. A dismantled tank can be seen nearby.

A hose extends from P southward to the lagoon. A possible pump is present adjacent to this hose and next to the tanks. No revetment is present.

The white tank can still be seen in the lagoon south of P. Also present now is a boom that stretches from the southeast end of the lagoon to just south of the white tank. A small rowboat, which has been pulled slightly ashore, was probably used to pull the boom across.

A good deal of filling has taken place along the southern shore and the area to the east. A possible plume can be detected at the southwest corner which may be attributable to the sand/gravel operation.

Discolored liquid remains in the area of vegetation damage to the east. Many of the surrounding trees are stressed, as determined by their lighter pink color.

Photo 3

The area southeast of the lagoon has undergone significant changes since 1979. Much of the area has been filled and graded, in particular, the section east of the trailers. The dump present in 1979 has been completely covered; however, some small piles of debris are still evident along the edges. Filling has also occurred west of the trailers, leaving a highwall which is containing a large pool of liquid. The remaining section of Berm 2 connects with the highwall; standing liquid and ground staining are present on either side of it. Vegetation stress is seen to the southeast.

The boom in the sand/gravel pit south of the waste lagoon is still present. Activities of the sand/gravel operation remain abount the same as in 1979.

LEGEND

P - PROCESSING AREA
T1 - TANK AREA 1
T2 - TANK AREA 2
HT - HORIZONTAL TANK
VT - VERTICAL TANK
D - DRUMS
- CULVERT
- MARSH
- TANK/SEMI TRUCKS
- STANDING LIQUID
- HISTORICAL BOUNDARY
- ACCESS ROAD
- DITCH
- DRAINAGE

FILM BIBLIOGRAPHY

DATE	AGENCY	CODE	SCALE	TYPE	EPIC FRAME NOS.
06/07/40	ASCS	CMX	1:20,000	B&W	2962
05/05/57	ASCS	CMX	1:20,000	B&W	2965
04/03/59	ASC	---	1:24,000	B&W	028
10/19/59	USAF	---	1:30,000	B&W	321
06/24/63	ASCS	CMX	1:20,000	B&W	2968
04/17/65	AERO SERVICES	---	1:24,000	B&W	3059
07/26/72	MARKHURD AERIALS	CJP	1:12,000	B&W	3122
08/28/75	NOS	---	1:12,000	COLOR	2687
02/02/79	EPA	---	1:5,000	COLOR	---
05/02/80	EPA	---	1:8,000	CIR	0009, 0010, 0011

REFERENCES

AERIAL PHOTOGRAPHY

Date	Agency	Mission Code	Frame #	Orig. Scale	EPIC Frame #
June 7, 1949	ASCS[1]	CMX-9	33,34	1:20,000	2962,2963
May 5, 1957	ASCS	CMX-17R	75,76	1:20,000	2964,2965
April 3, 1959	ASCS	946-9	7009(029)	1:24,000	3138
October 19, 1959	USAF[2]	VM-443	321,323	1:30,000	3083(41):854, 855
June 24, 1963	ASCS	CMX-1DD	52,53	1:20,000	2968,2969
April 17, 1965	ASCO[3]	1495A29	1055,1056	1:24,000	3059,3060
July 26, 1972	MHAE[4]	CJP-1RC	2611,2612	1:12,000	3122,3123
August 28, 1975	NOS[5]	75B	4795,4796	1:12,000	2686,2687
February 2, 1975	EPIC6	----	----	1:5,000	79-007(no fr#'s)
May 2, 1980	EPIC	POD	0009-0011	1:8,000	80/039:09-11

MAP

Source	Name	Scale	Date
USGS	Bridgeport, NJ	1:24,000	1980

[1]Agricultural Stabilization and Conservation Service, U.S. Department of Agriculture

[2]United States Air Force

[3]Aero Services Company, Inc. Houston, Texas

[4]Markhurd Aerial Surveys, Inc. Minneapolis, Minnesota

[5]National Ocean Survey, Rockville, Maryland

[6]Environmental Photographic Interpretation Center, Warrenton, Virginia

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INTRODUCTION AND TEXT	ENCLOSED IN ENVELOPE
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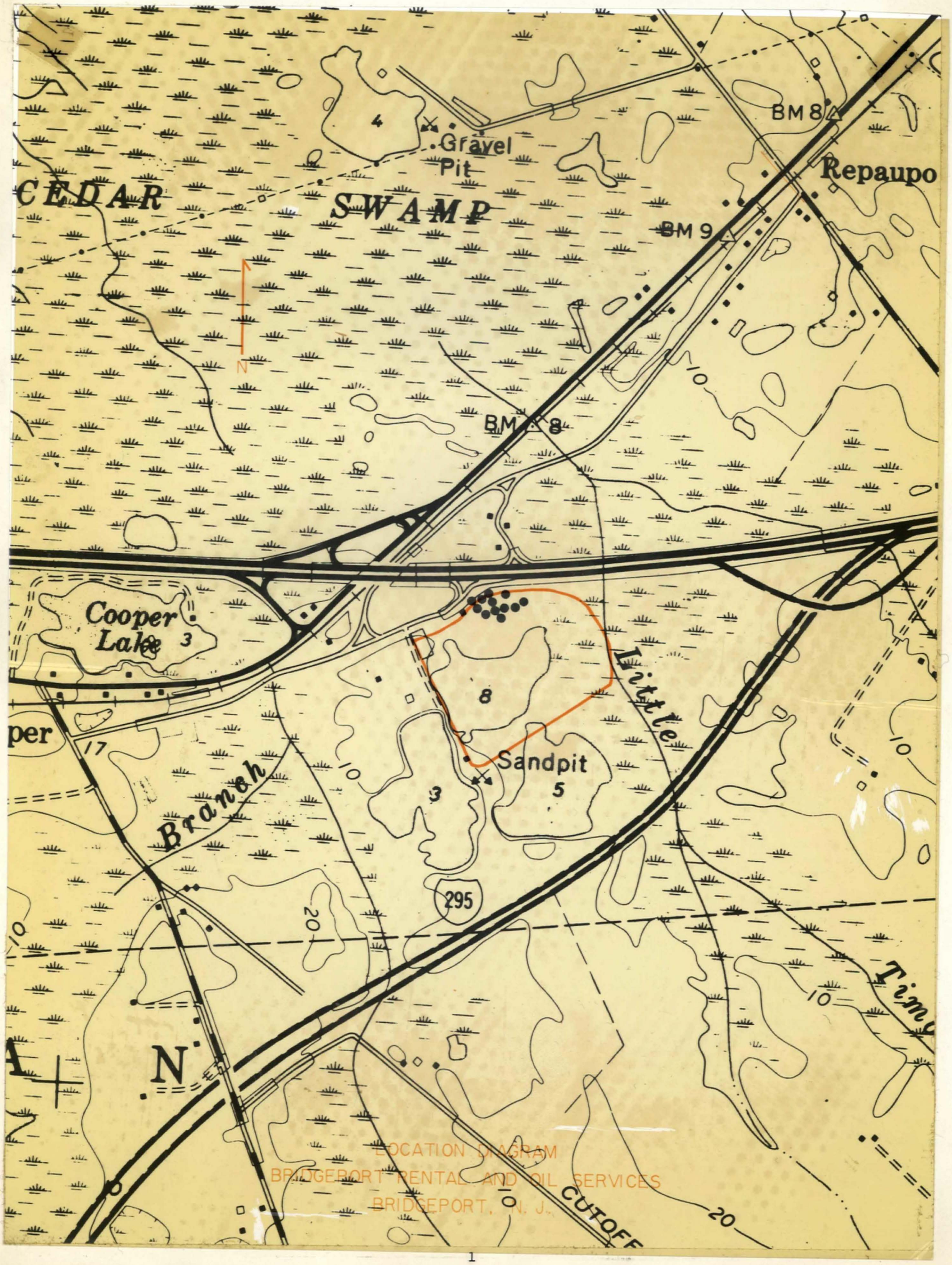
1940	4
1957	5
1959 (APRIL)	6
1959 (OCTOBER)	7
1963	8
1965	9
1972	10
1975	11
1979	12
1980	13


CEDAR SWAMP
Gravel Pit
BM 8
Repaupo
BM 9
BM 8
Cooper Lake
Little Branch
Sandpit
295
Tim
N
CUTOFF
LOCATION DIAGRAM
BRIDGEPORT RENTAL AND OIL SERVICES
BRIDGEPORT, N. J.

LEGEND

P - PROCESSING AREA
T1 - TANK AREA 1
T2 - TANK AREA 2
HT - HORIZONTAL TANK
VT - VERTICAL TANK
D - DRUMS
- CULVERT
- MARSH
- TANK/SEMI TRUCKS
- STANDING LIQUID
- HISTORICAL BOUNDARY
- ACCESS ROAD
- DITCH
- DRAINAGE

LAND USE
BRIDGEPORT, IN
52
61
42
75
21
13
76
12
14
31
11

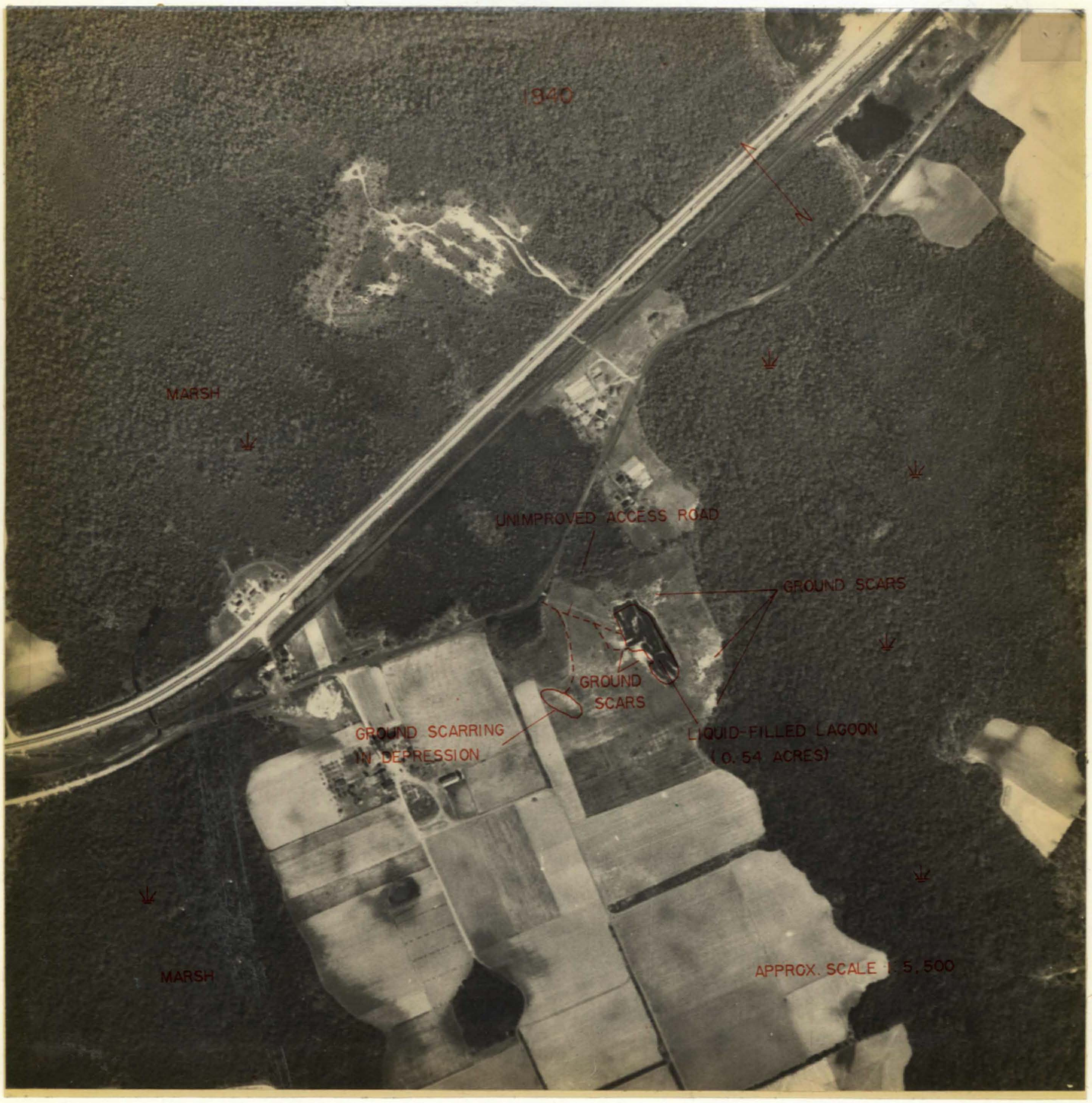
LEGEND

P - PROCESSING AREA
T1 - TANK AREA 1
T2 - TANK AREA 2
HT - HORIZONTAL TANK
VT - VERTICAL TANK
D - DRUMS
- CULVERT
- MARSH
- TANK/SEMI TRUCKS
- STANDING LIQUID
- HISTORICAL BOUNDARY
- ACCESS ROAD
- DITCH
- DRAINAGE

BRIDGEPORT RENTAL AND OIL SERVICES
1979
(FIGURE 1)
DELAWARE RIVER

LEGEND

P - PROCESSING AREA
T1 - TANK AREA 1
T2 - TANK AREA 2
HT - HORIZONTAL TANK
VT - VERTICAL TANK
D - DRUMS
- CULVERT
- MARSH
- TANK/SEMI TRUCKS
- STANDING LIQUID
HISTORICAL BOUNDARY
ACCESS ROAD
DITCH
DRAINAGE


1940
MARSH
UNIMPROVED ACCESS ROAD
GROUND SCARS
GROUND
SCARS
GROUND SCARRING
IN DEPRESSION
LIQUID-FILLED LAGOON
(0.54 ACRES)
MARSH
APPROX. SCALE 1:5,500

LEGEND

P - PROCESSING AREA
T1 - TANK AREA 1
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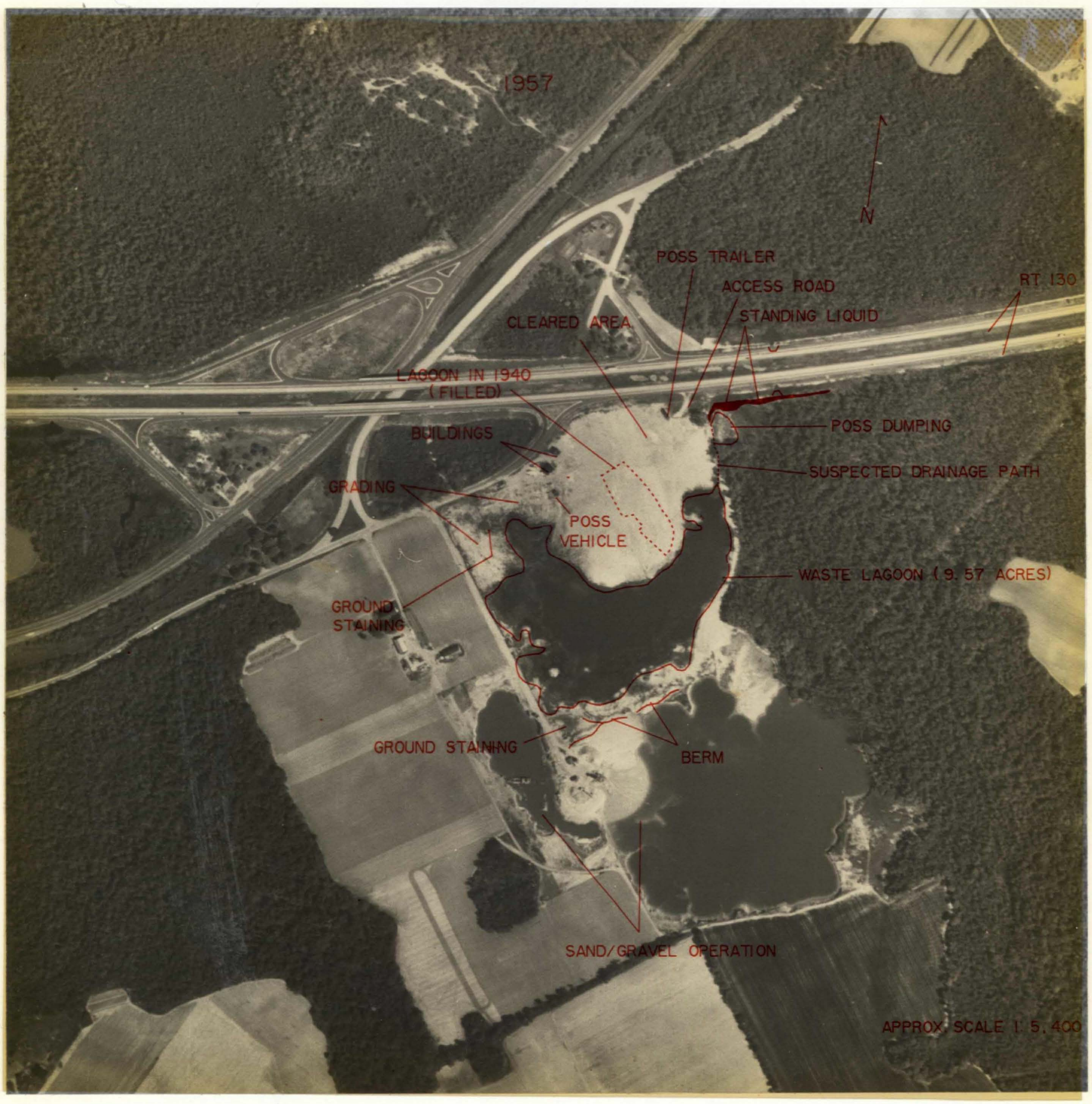
- MARSH
- TANK/SEMI TRUCKS
- STANDING LIQUID
- HISTORICAL BOUNDARY
- ACCESS ROAD
- DITCH
- DRAINAGE


1957
N
POSS TRAILER
ACCESS ROAD
RT 130
CLEARED AREA
STANDING LIQUID
LAGOON IN 1940
(FILLED)
POSS DUMPING
BUILDINGS
SUSPECTED DRAINAGE PATH
GRADING
POSS
VEHICLE
WASTE LAGOON (9.57 ACRES)
GROUND
STAINING
GROUND STAINING
BERM
SAND/GRAVEL OPERATION
APPROX. SCALE 1:5,400

LEGEND

P - PROCESSING AREA
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VT - VERTICAL TANK
D - DRUMS
- CULVERT
- MARSH
- TANK/SEMI TRUCKS
- STANDING LIQUID
- HISTORICAL BOUNDARY
- ACCESS ROAD
- DITCH
- DRAINAGE

APRIL 3, 1959
N
ROUTE 130
TRAILER
DISTURBED AREA
DRAINAGE DITCH
BUILDINGS
DUMPING
EXTENSION OF LAGOON
SINCE 1957
STANDING
LIQUID
POSS SEEPAGE
WASTE LAGOON
(8.02 ACRES)
APPROX. SCALE 1:5,300

LEGEND

P - PROCESSING AREA
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T2 - TANK AREA 2
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VT - VERTICAL TANK
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- MARSH
- TANK/SEMI TRUCKS
- STANDING LIQUID
- HISTORICAL BOUNDARY
- ACCESS ROAD
- DITCH
- DRAINAGE

OCTOBER 19, 1959
N
TI
TANK TRUCKS
RT 130
STACKED MATERIALS
PROB DITCHES
6 HORIZONTAL TANKS
DEBRIS
POSS HORIZONTAL TANK
GROUND STAINS
PROB STANDING LIQUID
2 HORIZONTAL TANKS
GROUND STAINS
RETAINING WALL/ROAD
OIL WASTE LAGOON
(6.15 ACRES)
BERM
SAND/GRAVEL PITS
(ACTIVE MINING)
AGRICULTURE
OAK GROVE ROAD
APPROX. SCALE 1:14,700

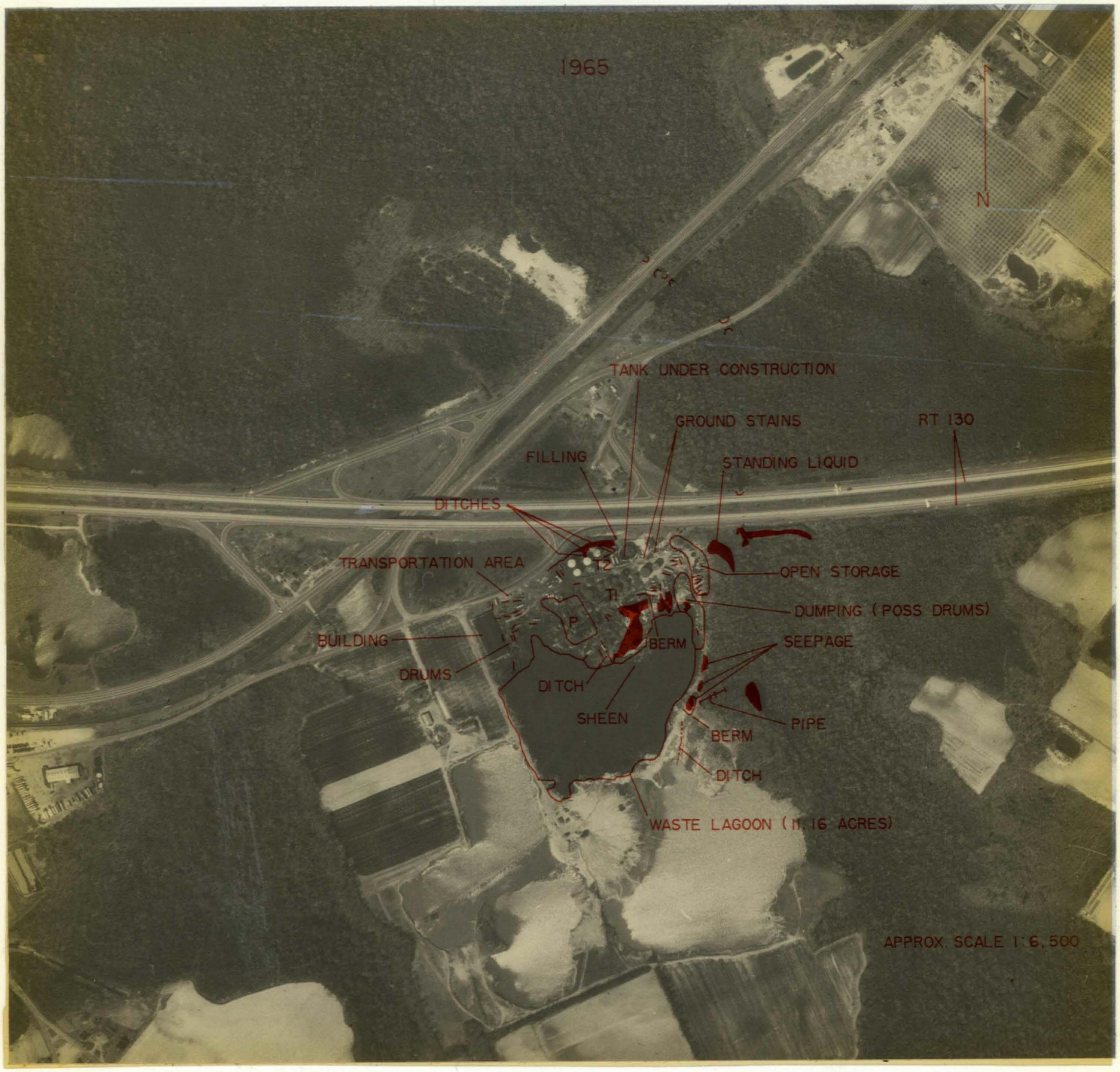
LEGEND

P - PROCESSING AREA
T1 - TANK AREA 1
T2 - TANK AREA 2
HT - HORIZONTAL TANK
VT - VERTICAL TANK
D - DRUMS
- CULVERT
- MARSH
- TANK/SEMI TRUCKS
- STANDING LIQUID
- HISTORICAL BOUNDARY
- ACCESS ROAD
- DITCH
- DRAINAGE

1963
N
RT 130
OPEN STORAGE
(DEBRIS AND TANKS)
TANK UNDER
CONSTRUCTION
DITCHES
TRANSPORTATION AREA
(TRUCKS, TRAILERS, TANKS)
STANDING LIQUID
T2
T1
P
BERM
DUMPING (POSS DRUMS)
NEW BUILDING
WASTE LAGOON (10.24 ACRES)
DITCH
DEBRIS
LIGHT-COLORED
DRAINAGE
STANDING LIQUID
SEEPAGE
DITCH
GROUND STAINS
SAND/GRAVEL PITS
(ACTIVE MINING)
APPROX SCALE 1 5,500

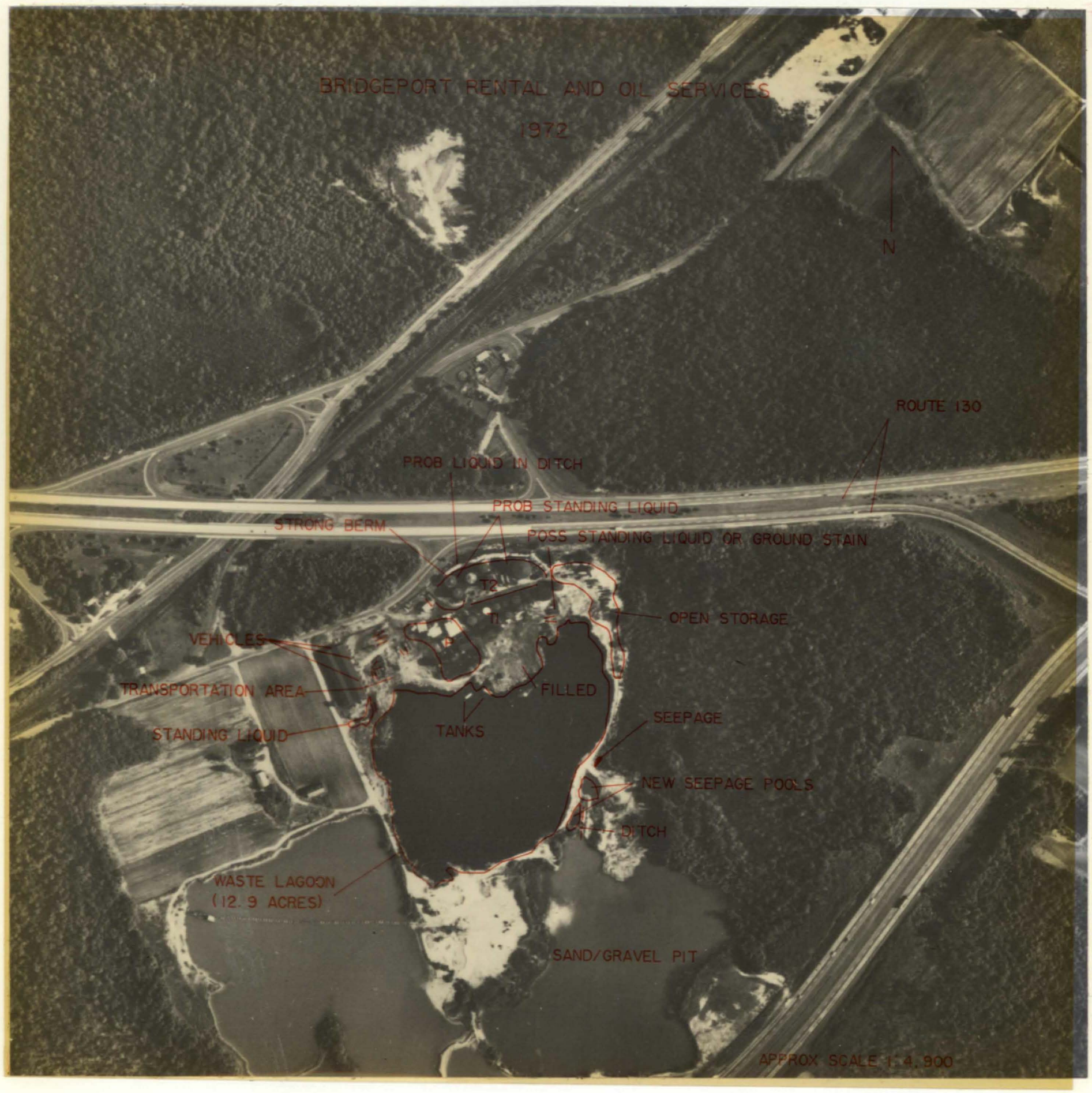
LEGEND

P - PROCESSING AREA
T1 - TANK AREA 1
T2 - TANK AREA 2
HT - HORIZONTAL TANK
VT - VERTICAL TANK
D - DRUMS
- CULVERT
- MARSH
- TANK/SEMI TRUCKS
- STANDING LIQUID
- HISTORICAL BOUNDARY
- ACCESS ROAD
- DITCH
- DRAINAGE


1965
N
TANK UNDER CONSTRUCTION
GROUND STAINS
RT 130
FILLING
STANDING LIQUID
DITCHES
TRANSPORTATION AREA
T2
T1
OPEN STORAGE
DUMPING (POSS DRUMS)
P
BUILDING
BERM
SEEPAGE
DRUMS
DITCH
SHEEN
PIPE
BERM
DITCH
WASTE LAGOON (11.16 ACRES)
APPROX. SCALE 1:6,500

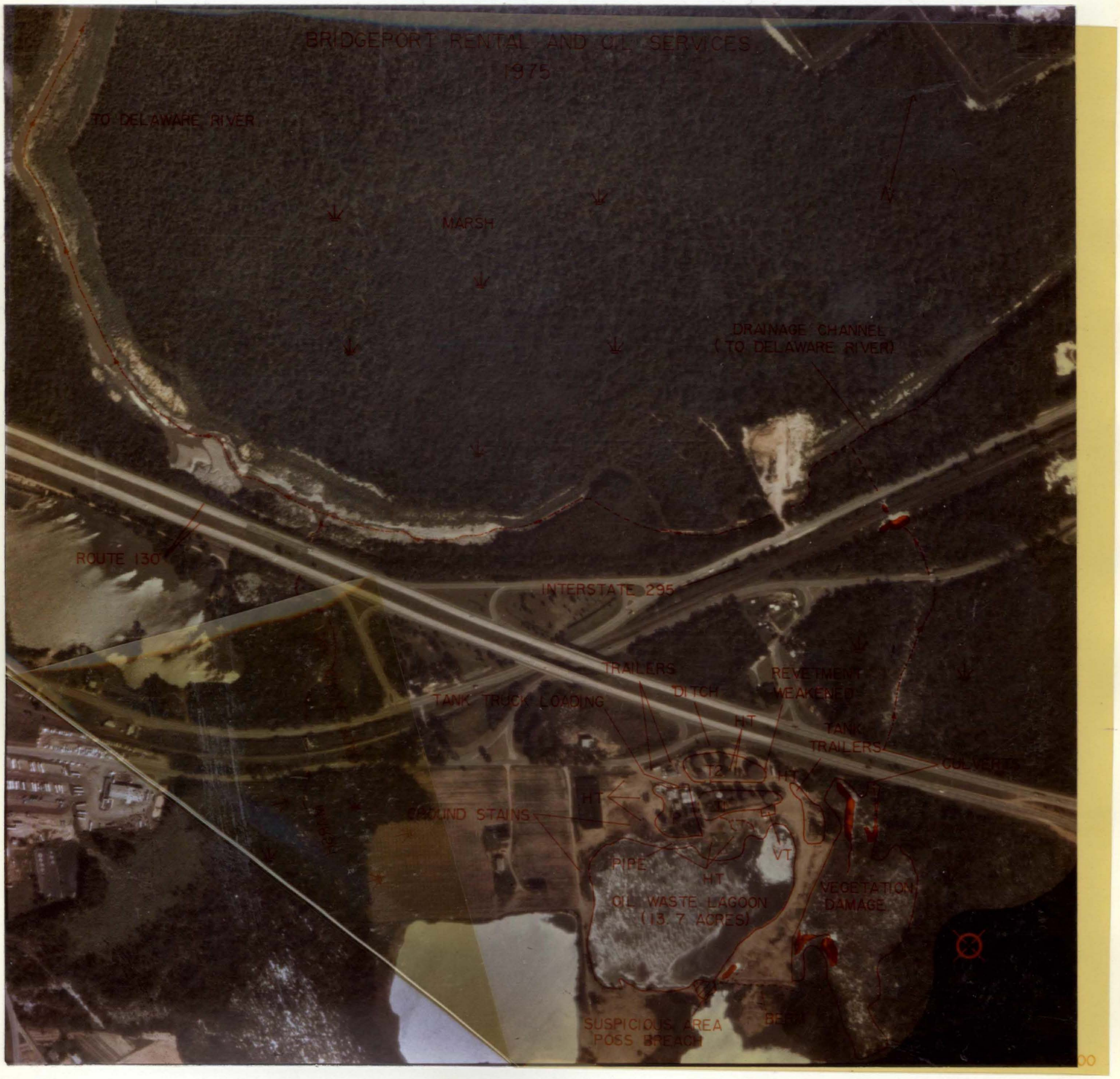
LEGEND

P - PROCESSING AREA
T1 - TANK AREA 1
T2 - TANK AREA 2
HT - HORIZONTAL TANK
VT - VERTICAL TANK
D - DRUMS
- CULVERT
- MARSH
- TANK/SEMI TRUCKS
- STANDING LIQUID
- HISTORICAL BOUNDARY
- ACCESS ROAD
- DITCH
- DRAINAGE


BRIDGEPORT RENTAL AND OIL SERVICES
1972
N
ROUTE 130
PROB LIQUID IN DITCH
PROB STANDING LIQUID
STRONG BERM
POSS STANDING LIQUID OR GROUND STAIN
T2
T1
OPEN STORAGE
VEHICLES
TRANSPORTATION AREA
FILLED
TANKS
STANDING LIQUID
SEEPAGE
NEW SEEPAGE POOLS
DITCH
WASTE LAGOON
(12.9 ACRES)
SAND/GRAVEL PIT
APPROX SCALE 1:4,900

LEGEND

P - PROCESSING AREA
T1 - TANK AREA 1
T2 - TANK AREA 2
HT - HORIZONTAL TANK
VT - VERTICAL TANK
D - DRUMS
- CULVERT
- MARSH
- TANK/SEMI TRUCKS
- STANDING LIQUID
- HISTORICAL BOUNDARY
- ACCESS ROAD
- DITCH
- DRAINAGE


BRIDGEPORT RENTAL AND C.L. SERVICES
1975
TO DELAWARE RIVER
MARSH
DRAINAGE CHANNEL
(TO DELAWARE RIVER)
ROUTE 130
INTERSTATE 295
TRAILERS
DITCH
REVETMENT
WEAKENED
TANK TRUCK LOADING
HT
TANK
TRAILERS
CULVERTS
T2
HT
GROUND STAINS
PIPE
HT
VT
OIL WASTE LAGOON
(13.7 ACRES)
VEGETATION
DAMAGE
SUSPICIOUS AREA
POSS BREACH

LEGEND

P - PROCESSING AREA
T1 - TANK AREA 1
T2 - TANK AREA 2
HT - HORIZONTAL TANK
VT - VERTICAL TANK
D - DRUMS
- CULVERT
- MARSH
- TANK/SEMI TRUCKS
- STANDING LIQUID
- HISTORICAL BOUNDARY
- ACCESS ROAD
- DITCH
- DRAINAGE

ROUTE 130
INTERSTATE 295
TRUCK TRAILERS
TANK TRUCKS
DITCH
DAM
FROZEN LIQUID
OPEN STORAGE
SEMI
TANKS
BOOM
OIL WASTE
DRUMS
BERM ENDS
CRANE
TRUCK TRAILERS
VEGETATION DAMAGE
BERM 3
BERM 2
OBJECTS IN PITS
GROUND STAINS
DUMPING (MOUNDS)
BOOM

LEGEND

P - PROCESSING AREA
T1 - TANK AREA 1
T2 - TANK AREA 2
HT - HORIZONTAL TANK
VT - VERTICAL TANK
D - DRUMS
- CULVERT
- MARSH
- TANK/SEMI TRUCKS
- STANDING LIQUID
- HISTORICAL BOUNDARY
- ACCESS ROAD
- DITCH
- DRAINAGE

PHOTO 1 - 1980

PHOTO 2 - 1980

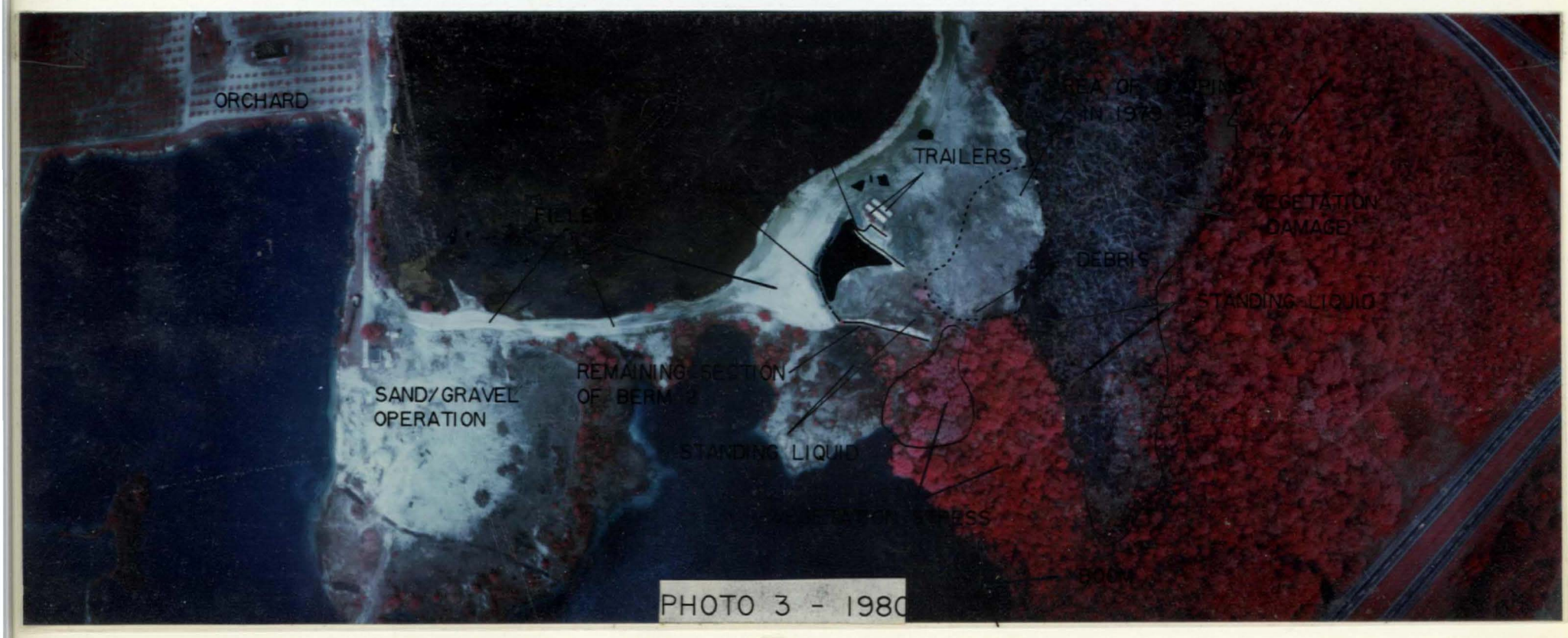


PHOTO 3 - 1980