

CORR-86-00156  
ACC. 193110

MEMORANDUM

CC: C. E. PALMIOTTO, SRP  
J. C. COREY, SRL  
D. E. GORDON  
M. W. LOWER  
ESD FILE

CORR--86-00156

APRIL 8, 1986

DE91 005697

TO: E. B. SNELL

FROM: H. E. MACKEY

SUBJECT: INTERNAL SUPPORT DOCUMENT--WETLANDS ASSESSMENT  
GROUNDWATER PROTECTION ENVIRONMENT IMPACT STATEMENT

-----  
*AX-714739*  
-----

Attach is a copy of an internal report, "Wetlands Proximity Mapping of 86 Waste Sites on the Savannah River Plant," prepared for the Savannah River Laboratory by J. R. Jensen of the University of South Carolina, Columbia, SC. The document provides acreage estimates and mapping for wetlands near a variety of waste sites on the SRP, as addressed in the EID support effort for the Groundwater Protection EIS. This document is the basis along with DPST-85-661, "Savannah River Plant Wetlands Map Update," for a series of wetlands reviews or assessments being provided to you under separate cover. I have the original figures in case any of the EID authors need them for preparation of EID materials.

**DISCLAIMER**

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

RECEIVED  
JAN 10 1986

**MASTER**

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED

90

WETLANDS PROXIMITY MAPPING OF 86 WASTE SITES  
ON THE SAVANNAH RIVER PLANT

John R. Jensen, Ph.D.

Geography Department  
University of South Carolina  
Columbia, South Carolina 29208

16 September 1985

AX-714739

TABLE OF CONTENTS

	Page
List of Tables .....	iii
List of Figures .....	ix
Project Objectives .....	1
Methodology .....	1
Data Collection Phase .....	2
Digitizing Phase .....	2
Geographic Information System (GIS) Analysis Phase .....	3
Display Phase .....	3
Recommendations .....	3
Methodology for Computing Wetlands Proximity for 86 Waste	
Sites at the Savannah River Project .....	5
Data Collection Phase .....	5
Digitizing Phase .....	5
GIS Analysis Phase .....	5
Display Phase .....	6
Tables .....	7
Appendix A .....	A-1

## LIST OF TABLES

		Page
Table 1.	Matrix Codes Used for the Assessment of Wetlands Proximity of Waste Sites .....	7
Table 2.	Equation of SRP Waste Site Numbers to Project Waste Site Numbers .....	9
Table 3.	Color Codes for Wetlands and Land-Use Areas .....	12
Table 4.	Area of Wetlands in Interaction Zone 1 .....	13
Table 5.	Wetlands Within 1000 Meters of Waste Site 904-55G, Savannah River Laboratory Basin .....	14
Table 6.	Wetlands Within 1000 Meters of Waste Site 904-54G, Savannah River Laboratory Seepage Basin .....	15
Table 7.	Wetlands Within 1000 Meters of Waste Site 904-54G, Savannah River Laboratory Seepage Basin .....	16
Table 8.	Wetlands Within 1000 Meters of Waste Site 904-110G, Metallurgical Laboratory Basin .....	17
Table 9.	Wetlands Within 1000 Meters of Waste Site 904-101G, 716-A Motor Shop Seepage Basin .....	18
Table 10.	Wetlands Within 1000 Meters of Waste Site 904-51G, M-Area Settling Basin .....	19
Table 11.	Wetlands Within 1000 Meters of Waste Site 904-112G, Lost Lake .....	20
Table 12.	Wetlands Within 1000 Meters of Waste Site 731-3A, Silverton Road Waste Site .....	21
Table 13.	Wetlands Within 1000 Meters of Waste Site 731-1A, A-Area Burning/Rubble Pit .....	22
Table 14.	Wetlands Within 1000 Meters of Waste Site 731-A, A-Area Burning/Rubble Pit .....	23
Table 15.	Wetlands Within 1000 Meters of Waste Site 731-5A, Miscellaneous Chemical Basin .....	24

Table 16.	Wetlands Within 1000 Meters of Waste Site 731-4A, Metals Burning Pit .....	25
Table 17.	Area of Wetlands in Interaction Zone 2 .....	26
Table 18.	Wetlands Within 1000 Meters of Waste Site 231-F, F-Area Burning/Rubble Pit .....	27
Table 19.	Wetlands Within 1000 Meters of Waste Site 231-1F, F-Area Burning/Rubble Pit .....	28
Table 20.	Wetlands Within 1000 Meters of Waste Site 904-49G, F-Area Seepage Basin (Old) .....	29
Table 21.	Wetlands Within 1000 Meters of Waste Site 904-74G, F-Area Acid/Caustic Basin .....	30
Table 22.	Wetlands Within 1000 Meters of Waste Site 643-7G, Radioactive Waste Burial Ground .....	31
Table 23.	Wetlands Within 1000 Meters of Waste Site 643-G, Radioactive Waste Burial Ground .....	32
Table 24.	Wetlands Within 1000 Meters of Waste Site 281-3F, F-Area Retention Basin .....	33
Table 25.	Wetlands Within 1000 Meters of Waste Site 904-75G, H-Area Acid/Caustic Basin .....	34
Table 26.	Wetlands Within 1000 Meters of Waste Site 281-3H, H-Area Retention Basin .....	35
Table 27.	Wetlands Within 1000 Meters of Waste Site 904-44G, H-Area Seepage Basin .....	36
Table 28.	Wetlands Within 1000 Meters of Waste Site 904-45G, H-Area Seepage Basin .....	37
Table 29.	Wetlands Within 1000 Meters of Waste Site 904-46G, H-Area Seepage Basin .....	38
Table 30.	Wetlands Within 1000 Meters of Waste Site 904-56G, H-Area Seepage Basin .....	39
Table 31.	Wetlands Within 1000 Meters of Waste Site 904-41G, F-Area Seepage Basin .....	40
Table 32.	Wetlands Within 1000 Meters of Waste Site 904-42G, F-Area Seepage Basin .....	41
Table 33.	Wetlands Within 1000 Meters of Waste Site 904-43G, F-Area Seepage Basin .....	42

Table 34.	Area of Wetlands in Interaction Zone 3 .....	43
Table 35.	Wetlands Within 1000 Meters of Waste Site 904-103G, R-Area Seepage Basin .....	44
Table 36.	Wetlands Within 1000 Meters of Waste Site 904-104G, R-Area Seepage Basin .....	45
Table 37.	Wetlands Within 1000 Meters of Waste Site 904-57G, R-Area Seepage Basin .....	46
Table 38.	Wetlands Within 1000 Meters of Waste Site 904-58G, R-Area Seepage Basin .....	47
Table 39.	Wetlands Within 1000 Meters of Waste Site 904-59G, R-Area Seepage Basin .....	48
Table 40.	Wetlands Within 1000 Meters of Waste Site 904-60G, R-Area Seepage Basin .....	49
Table 41.	Wetlands Within 1000 Meters of Waste Site 643-10G, R-Area Bingham Pump Outage Pit .....	50
Table 42.	Wetlands Within 1000 Meters of Waste Site 643-9G, R-Area Bingham Pump Outage Pit .....	51
Table 43.	Wetlands Within 1000 Meters of Waste Site 643-8G, R-Area Bingham Pump Outage Pit .....	52
Table 44.	Wetlands Within 1000 Meters of Waste Site 904-77G, R-Area Acid/Caustic Basin .....	53
Table 45.	Wetlands Within 1000 Meters of Waste Site 131-1R, R-Area Burning/Rubble Pit .....	54
Table 46.	Wetlands Within 1000 Meters of Waste Site 131-R, R-Area Burning/Rubble Pit .....	55
Table 47.	Area of Wetlands in Interaction Zone 4 .....	56
Table 48.	Wetlands Within 1000 Meters of Waste Site 904-89G, C-Area Containment Basin .....	57
Table 49.	Wetlands Within 1000 Meters of Waste Site 131-G .....	58
Table 50.	Wetlands Within 1000 Meters of Waste Site 904-66G, C-Area Seepage Basin .....	59
Table 51.	Wetlands Within 1000 Meters of Waste Site 904-67G, C-Area Seepage Basin .....	60
Table 52.	Wetlands Within 1000 Meters of Waste Site 904-68G, C-Area Seepage Basin .....	61

Table 53.	Wetlands Within 1000 Meters of Waste Site 631-5G, CS Burning/Rubble Pit .....	62
Table 54.	Wetlands Within 1000 Meters of Waste Site 631-1G, CS Burning/Rubble Pit .....	63
Table 55.	Wetlands Within 1000 Meters of Waste Site 080-16G, SRL Oil Test Site .....	64
Table 56.	Wetlands Within 1000 Meters of Waste Site 631-4G, Hydrofluoric Acid Spill Area .....	65
Table 57.	Wetlands Within 1000 Meters of Waste Site 643-11G, Ford Building Waste Site .....	66
Table 58.	Wetlands Within 1000 Meters of Waste Site 904-91G, Ford Building Seepage Basin .....	67
Table 59.	Wetlands Within 1000 Meters of Waste Site 631-5G, CS Burning/Rubble Pit .....	68
Table 60.	Area of Wetlands in Interaction Zones 5 and 6 .....	69
Table 61.	Wetlands Within 1000 Meters of Waste Site 643-5G, TNX Burying Ground .....	70
Table 62.	Wetlands Within 1000 Meters of Waste Site 904-102G, TNX Seepage Basin (New) .....	71
Table 63.	Wetlands Within 1000 Meters of Waste Site 904-76G, TNX Seepage Basin (Old) .....	72
Table 64.	Wetlands Within 1000 Meters of Waste Site 431-D, D-Area Burning/Rubble Pit .....	73
Table 65.	Wetlands Within 1000 Meters of Waste Site 431-1D, D-Area Burning/Rubble Pit .....	74
Table 66.	Wetlands Within 1000 Meters of Waste Site 631-G, D-Area Oil Seepage Basin .....	75
Table 67.	Area of Wetlands in Interaction Zone 7 .....	76
Table 68.	Wetlands Within 1000 Meters of Waste Site 904-111G, Road A Chemical Basin .....	77
Table 69.	Area of Wetlands in Interaction Zone 8 .....	78
Table 70.	Wetlands Within 1000 Meters of Waste Site 904-88G, K-Area Containment Basin .....	79
Table 71.	Wetlands Within 1000 Meters of Waste Site 131-K, K-Area Burning/Rubble Pit .....	80

Table 72.	Wetlands Within 1000 Meters of Waste Site 904-80G, K-Area Acid/Caustic Basin .....	81
Table 73.	Wetlands Within 1000 Meters of Waste Site 904-65G, K-Area Seepage Basin .....	82
Table 74.	Wetlands Within 1000 Meters of Waste Site 643-1G, K-Area Bingham Pump Outage Pit .....	83
Table 75.	Area of Wetlands in Interaction Zone 9 .....	84
Table 76.	Wetlands Within 1000 Meters of Waste Site CMP Pits .....	85
Table 77.	Wetlands Within 1000 Meters of Waste Site 643-2G, L-Area .....	86
Table 78.	Wetlands Within 1000 Meters of Waste Site 643-3G, L-Area Bingham Pump Outage Pit .....	87
Table 79.	Wetlands Within 1000 Meters of Waste Site 131-L, L-Area Burning/Rubble Pit .....	88
Table 80.	Wetlands Within 1000 Meters of Waste Site 904-87G, L-Area Containment Basin .....	89
Table 81.	Wetlands Within 1000 Meters of Waste Site 904-79G, L-Area Acid/Caustic Basin .....	90
Table 82.	Wetlands Within 1000 Meters of Waste Site 904-83G, L-Area Oil and Chemical Basin .....	91
Table 83.	Wetlands Within 1000 Meters of Waste Site 904-64G, L-Area Seepage Basin .....	92
Table 84.	Area of Wetlands in Interaction Zone 10 .....	93
Table 85.	Wetlands Within 1000 Meters of Waste Site 131-P, P-Area Burning/Rubble Pit .....	94
Table 86.	Wetlands Within 1000 Meters of Waste Site 643-4G, P-Area Bingham Pump Outage Pit .....	95
Table 87.	Wetlands Within 1000 Meters of Waste Site 904-78G, P-Area Acid/Caustic Basin .....	96
Table 88.	Wetlands Within 1000 Meters of Waste Site 904-86G, P-Area Containment Basin .....	97
Table 89.	Wetlands Within 1000 Meters of Waste Site 904-63G, P-Area Seepage Basin .....	98



Table 90.	Wetlands Within 1000 Meters of Waste Site 904-62G, P-Area Seepage Basin .....	99
Table 91.	Wetlands Within 1000 Meters of Waste Site 904-61G, P-Area Seepage Basin .....	100
Table 92.	Area of Wetlands in Interaction Zone 11 .....	101
Table 93.	Wetlands Within 1000 Meters of Waste Site 090-31G, Gunsite 72 Rubble Pile .....	102

LIST OF FIGURES

	Page
Figure 1. Wetlands Within 1000 Meters of Waste Site 904-55G, Savannah River Laboratory Basin .....	A-1
Figure 2. Wetlands Within 1000 Meters of Waste Site 904-54G, Savannah River Laboratory Seepage Basin ....	A-2
Figure 3. Wetlands Within 1000 Meters of Waste Site 904-54G, Savannah River Laboratory Seepage Basin ....	A-3
Figure 4. Wetlands Within 1000 Meters of Waste Site 904-110G, Metallurgical Laboratory Basin .....	A-4
Figure 5. Wetlands Within 1000 Meters of Waste Site 904-101G, 716-A Motor Shop Seepage Basin .....	A-5
Figure 6. Wetlands Within 1000 Meters of Waste Site 904-51G, M-Area Settling Basin .....	A-6
Figure 7. Wetlands Within 1000 Meters of Waste Site 904-112G, Lost Lake .....	A-7
Figure 8. Wetlands Within 1000 Meters of Waste Site 731-3A, Silverton Road Waste Site .....	A-8
Figure 9. Wetlands Within 1000 Meters of Waste Site 731-1A, A-Area Burning/Rubble Pit .....	A-9
Figure 10. Wetlands Within 1000 Meters of Waste Site 731-A, A-Area Burning/Rubble Pit .....	A-10
Figure 11. Wetlands Within 1000 Meters of Waste Site 731-5A, Miscellaneous Chemical Basin .....	A-11
Figure 12. Wetlands Within 1000 Meters of Waste Site 731-4A, Metals Burning Pit .....	A-12
Figure 13. Wetlands Within 1000 Meters of Waste Site 231-F, F-Area Burning/Rubble Pit .....	A-13
Figure 14. Wetlands Within 1000 Meters of Waste Site 231-1F, F-Area Burning/Rubble Pit .....	A-14
Figure 15. Wetlands Within 1000 Meters of Waste Site 904-49G, F-Area Seepage Basin (Old) .....	A-15

Figure 16.	Wetlands Within 1000 Meters of Waste Site 904-74G, F-Area Acid/Caustic Basin .....	A-16
Figure 17.	Wetlands Within 1000 Meters of Waste Site 643-7G, Radioactive Waste Burial Ground .....	A-17
Figure 18.	Wetlands Within 1000 Meters of Waste Site 643-G, Radioactive Waste Burial Ground .....	A-18
Figure 19.	Wetlands Within 1000 Meters of Waste Site 281-3F, F-Area Retention Basin .....	A-19
Figure 20.	Wetlands Within 1000 Meters of Waste Site 904-75G, H-Area Acid/Caustic Basin .....	A-20
Figure 21.	Wetlands Within 1000 Meters of Waste Site 281-3H, H-Area Retention Basin .....	A-21
Figure 22.	Wetlands Within 1000 Meters of Waste Site 904-44G, H-Area Seepage Basin .....	A-22
Figure 23.	Wetlands Within 1000 Meters of Waste Site 904-45G, H-Area Seepage Basin .....	A-23
Figure 24.	Wetlands Within 1000 Meters of Waste Site 904-46G, H-Area Seepage Basin .....	A-24
Figure 25.	Wetlands Within 1000 Meters of Waste Site 904-56G, H-Area Seepage Basin .....	A-25
Figure 26.	Wetlands Within 1000 Meters of Waste Site 904-41G, F-Area Seepage Basin .....	A-26
Figure 27.	Wetlands Within 1000 Meters of Waste Site 904-42G, F-Area Seepage Basin .....	A-27
Figure 28.	Wetlands Within 1000 Meters of Waste Site 904-43G, F-Area Seepage Basin .....	A-28
Figure 29.	Wetlands Within 1000 Meters of Waste Site 904-103G, R-Area Seepage Basin .....	A-29
Figure 30.	Wetlands Within 1000 Meters of Waste Site 904-104G, R-Area Seepage Basin .....	A-30
Figure 31.	Wetlands Within 1000 Meters of Waste Site 904-57G, R-Area Seepage Basin .....	A-31
Figure 32.	Wetlands Within 1000 Meters of Waste Site 904-58G, R-Area Seepage Basin .....	A-32
Figure 33.	Wetlands Within 1000 Meters of Waste Site 904-59G, R-Area Seepage Basin .....	A-33

Figure 34.	Wetlands Within 1000 Meters of Waste Site 904-60G, R-Area Seepage Basin .....	A-34
Figure 35.	Wetlands Within 1000 Meters of Waste Site 643-10G, R-Area Bingham Pump Outage Pit .....	A-35
Figure 36.	Wetlands Within 1000 Meters of Waste Site 643-9G, R-Area Bingham Pump Outage Pit .....	A-36
Figure 37.	Wetlands Within 1000 Meters of Waste Site 643-8G, R-Area Bingham Pump Outage Pit .....	A-37
Figure 38.	Wetlands Within 1000 Meters of Waste Site 904-77G, R-Area Acid/Caustic Basin .....	A-38
Figure 39.	Wetlands Within 1000 Meters of Waste Site 131-1R, R-Area Burning/Rubble Pit .....	A-39
Figure 40.	Wetlands Within 1000 Meters of Waste Site 131-R, R-Area Burning/Rubble Pit .....	A-40
Figure 41.	Wetlands Within 1000 Meters of Waste Site 904-89G, C-Area Containment Basin .....	A-41
Figure 42.	Wetlands Within 1000 Meters of Waste Site 131-G .....	A-42
Figure 43.	Wetlands Within 1000 Meters of Waste Site 904-66G, C-Area Seepage Basin .....	A-43
Figure 44.	Wetlands Within 1000 Meters of Waste Site 904-67G, C-Area Seepage Basin .....	A-44
Figure 45.	Wetlands Within 1000 Meters of Waste Site 904-68G, C-Area Seepage Basin .....	A-45
Figure 46.	Wetlands Within 1000 Meters of Waste Site 631-5G, CS Burning/Rubble Pit .....	A-46
Figure 47.	Wetlands Within 1000 Meters of Waste Site 631-1G, CS Burning/Rubble Pit .....	A-47
Figure 48.	Wetlands Within 1000 Meters of Waste Site 080-16G, SRL Oil Test Site .....	A-48
Figure 49.	Wetlands Within 1000 Meters of Waste Site 631-4G, Hydrofluoric Acid Spill Area .....	A-49
Figure 50.	Wetlands Within 1000 Meters of Waste Site 643-11G, Ford Building Waste Site .....	A-50
Figure 51.	Wetlands Within 1000 Meters of Waste Site 904-91G, Ford Building Seepage Basin .....	A-51

Figure 52.	Wetlands Within 1000 Meters of Waste Site 631-5G, CS Burning/Rubble Pit .....	A-52
Figure 53.	Wetlands Within 1000 Meters of Waste Site 643-5G, TNX Burying Ground .....	A-53
Figure 54.	Wetlands Within 1000 Meters of Waste Site 904-102G, TNX Seepage Basin (New) .....	A-54
Figure 55.	Wetlands Within 1000 Meters of Waste Site 904-76G, TNX Seepage Basin (Old) .....	A-55
Figure 56.	Wetlands Within 1000 Meters of Waste Site 431-D, D-Area Burning/Rubble Pit .....	A-56
Figure 57.	Wetlands Within 1000 Meters of Waste Site 431-1D, D-Area Burning/Rubble Pit .....	A-57
Figure 58.	Wetlands Within 1000 Meters of Waste Site 631-G, D-Area Oil Seepage Basin .....	A-58
Figure 59.	Wetlands Within 1000 Meters of Waste Site 904-111G, Road A Chemical Basin .....	A-59
Figure 60.	Wetlands Within 1000 Meters of Waste Site 904-88G, K-Area Containment Basin .....	A-60
Figure 61.	Wetlands Within 1000 Meters of Waste Site 131-K, K-Area Burning/Rubble Pit .....	A-61
Figure 62.	Wetlands Within 1000 Meters of Waste Site 904-80G, K-Area Acid/Caustic Basin .....	A-62
Figure 63.	Wetlands Within 1000 Meters of Waste Site 904-65G, K-Area Seepage Basin .....	A-63
Figure 64.	Wetlands Within 1000 Meters of Waste Site 904-63G, K-Area Bingham Pump Outage Pit .....	A-64
Figure 65.	Wetlands Within 1000 Meters of Waste Site CMP Pits .....	A-65
Figure 66.	Wetlands Within 1000 Meters of Waste Site 643-2G, L-Area .....	A-66
Figure 67.	Wetlands Within 1000 Meters of Waste Site 643-3G, L-Area Bingham Pump Outage Pit .....	A-67
Figure 68.	Wetlands Within 1000 Meters of Waste Site 131-L, L-Area Burning/Rubble Pit .....	A-68
Figure 69.	Wetlands Within 1000 Meters of Waste Site 904-87G, L-Area Containment Basin .....	A-69

Figure 70.	Wetlands Within 1000 Meters of Waste Site 904-79G, L-Area Acid/Caustic Basin .....	A-70
Figure 71.	Wetlands Within 1000 Meters of Waste Site 904-83G, L-Area Oil and Chemical Basin .....	A-71
Figure 72.	Wetlands Within 1000 Meters of Waste Site 904-64G, L-Area Seepage Basin .....	A-72
Figure 73.	Wetlands Within 1000 Meters of Waste Site 131-P, P-Area Burning/Rubble Pit .....	A-73
Figure 74.	Wetlands Within 1000 Meters of Waste Site 643-4G, P-Area Bingham Pump Outage Pit .....	A-74
Figure 75.	Wetlands Within 1000 Meters of Waste Site 904-78G, P-Area Acid/Caustic Basin .....	A-75
Figure 76.	Wetlands Within 1000 Meters of Waste Site 904-86G, P-Area Containment Basin .....	A-76
Figure 77.	Wetlands Within 1000 Meters of Waste Site 904-63G, P-Area Seepage Basin .....	A-77
Figure 78.	Wetlands Within 1000 Meters of Waste Site 904-62G, P-Area Seepage Basin .....	A-78
Figure 79.	Wetlands Within 1000 Meters of Waste Site 904-61G, P-Area Seepage Basin .....	A-79
Figure 80.	Wetlands Within 1000 Meters of Waste Site 090-31G, Gunsite 72 Rubble Pile .....	A-80

WETLANDS PROXIMITY MAPPING OF 86 WASTE SITES  
ON THE SAVANNAH RIVER PLANT

John R. Jensen, Ph.D.

Geography Department  
University of South Carolina  
Columbia, South Carolina 29208

16 September 1985

Project Objectives

This project developed wetlands proximity maps and provided wetlands information by means of a Geographic Environmental Data Base (GEDB) for each of 11 interaction zones identified in DPST-84-684. It includes an analysis of 86 hazardous waste sites at the Savannah River Plant (SRP).

The map of each interaction zone is intended to indicate major wetland and land cover types, with emphasis on locations of hazardous waste sites with wetland areas identified within a 1000 meter radius. Statistics of aerial extent for wetland and land cover for each interaction zone are provided.

Methodology

To produce the wetlands proximity map data base, it was necessary to use remote sensing and geographic information system (GIS) technology. The project was composed of four phases, including data collection, data digitizing, GIS analysis, and display.

### Data Collection Phase

1. The first step in the process was to identify the 86 hazardous waste sites located in the interaction zones of DPST-84-684. The planimetric location of these sites was transferred onto 7.5' quadrangles by Savannah River DuPont personnel. The 86 waste sites were located on United States Geological Survey 7.5' quadrangle maps of the Savannah River Plant. Also, all plant production facilities were identified.

2. Stereoscopic vertical aerial photography obtained since 1982 was interpreted and annotated to show all wetland and other land cover. The wetland and land cover types are summarized in Table 1. The Cowardin, et al., (1979) wetland and classification scheme was used.

3. The photointerpreted wetland and land cover was then transferred to 7.5' quadrangle maps using optical image processing instruments.

### Digitizing Phase

1. The wetland and land cover data on the 7.5' quadrangle maps were then digitized at a 1:24,000 scale with a spatial resolution of 0.001 inch in a Universal Transverse Mercator (UTM) projection for the entire study area. All polygonal measurements were recorded in Northing and Easting meter units.

2. The digitized wetland and land cover data, in the form of polygons, were converted into a raster (matrix) format, with each pixel (picture element) representing a dimension of 20 by 20 meters.

3. Each of the 11 interaction zones was then isolated in digitized format. The wetlands and other land covers were color coded for convenient visual identification.



## Geographic Information System (GIS) Analysis Phase

1. A computerized circular search was conducted around each of the 86 hazardous waste sites in all 11 interaction zones. The search area extended for 1000 meters from each hazardous waste site. Each search area was divided into five alternating blue bands of 200 meters (0-200 meters; 201-400 meters; 401-600 meters; 601-800 meters; and 801-1000 meters).

2. A matrix analysis was then performed to calculate the wetland and land cover statistics found within the 1000 meter search area for each hazardous waste site. The codes are summarized in Table 1.

## Display Phase

1. The digitized wetland proximity information was displayed interactively on high resolution color CRTs and as hard-copy 5" by 7" prints. The enclosed maps (#101 to 180 of Appendix A) provide visual information on the location of each hazardous waste site in the 11 interaction zones, together with the 1000-meter search area and its proximity to adjacent wetland areas.

2. Also enclosed are statistics indicating the acreage of land cover within the search area of each waste site. The relationship between the SRP hazardous waste site codes and the project codes is summarized in Table 2.

## Recommendations

The methodology used in this project is a powerful tool with multiple applications. In addition to a periodic update of wetland and land cover data, it is recommended that soils, topography, etc. be incorporated into the data base using the same methodology. These data

will yield additional valuable information for the environmental assessment of hazardous waste sites on the Savannah River Plant.

METHODOLOGY FOR COMPUTING WETLANDS PROXIMITY  
FOR 86 WASTE SITES AT THE SAVANNAH RIVER PROJECT

Data Collection Phase

- Step 1: Transferred planimetric location of 86 waste sites and production facilities onto 7.5' USGS quadrangle maps
- Step 2: Stereoscopic photointerpretation of 1:20,000 scale color aerial photographs to identify/classify all wetlands on the SRP (following Cowardin Wetland Classification System)
- Step 3: Transferred wetland information from aerial photographs to 7.5' USGS quadrangles using optical image processing techniques

Digitizing Phase

- Step 1: Digitized all wetland, waste site and production areas at 1:24,000 scale (0.001" resolution) with ERDAS polygon digitizing technology. Used program DIGPOL.
- Step 2: Performed a polygon to raster conversion of polygonal data resulting in a Raster (matrix) Cartographic Data Structure with each pixel representing 20x20 meters. Used program GRIDPOL.
- Step 3: Extracted each of the 11 interaction zones from the data base using program UPDATE.

GIS Analysis Phase

- Step 1: Performed a geographic search around each of 86 waste sites to distance of 1000 meters in increments of 200 meters. Used program SEARCH.
- Step 2: Performed matrix analysis on masked original wetland/land cover data base and 1000 meter search data. Cross-tabulation provided amount of acreage of wetland/land cover types found within each of 200 meter search zones up to 1000 meters.
- Step 3: Tabulated acreage statistics for each of the waste sites by means of program BUILDH.

Display Phase

Produced a map of each of 11 interaction zones showing all wetland and land cover codes, including the concentric search zones from every hazardous waste site. Used programs DISPLAY and PALETTE.

Table 1. Matrix Codes Used for the Assessment of Wetlands Proximity of Waste Sites

	Waste Sites	Search Area 0-200 Meters	Search Area 201-400 Meters	Search Area 401-600 Meters	Search Area 601-800 Meters	Search Area 801-1000 Meters	All Other Land Cover >1000 Meters
Land Cover Classes (color)	-	-	-	-	-	-	-
Back-ground (dark gray)	0	1	2	3	4	5	6
30=Production Areas (medium gray)	7	8	9	10	11	12	13
31=Water (dark blue)	14	15	16	17	18	19	20
32=Cypress/tupelo (dark green)	21	22	23	24	25	26	27
33=Emergent Marsh (yellow)	28	29	30	31	32	33	34

Table 1 (cont)

	Waste Sites	0-200 Meters	201-400 Meters	401-600 Meters	601-800 Meters	801-1000 Meters	>1000 Meters
34=Scrub/ Shrub (violet)	35	36	37	38	39	40	41
35=Bot tomland Hardwood (green)	42	43	44	45	46	47	48
38=Upland Old Pine (alter- nating bands of blue)	49	50	51	52	53	54	55
41=Main Roads (black)	56	57	58	59	60	61	62
42=Secon- ary Roads (black)	63	64	65	66	67	68	69
43=Rail- roads (red)	70	71	72	73	74	75	76
44= Utility Corridors (brown)	77	78	79	80	81	82	83
Waste Site (red)	84	85	86	87	88	89	90

Table 2. Equation of SRP Waste Site Numbers to Project Waste Site Numbers.

Interaction Zone	SRP Waste Site #	Waste Site Name
1	904-55G	Savannah River Laboratory Basin
	904-54G	Savannah River Laboratory Seepage Basin
	904-54G	Savannah River Laboratory Seepage Basin
	904-110G	Metallurgical Laboratory Basin
	904-101G	716-A Motor Shop Seepage Basin
	904-51G	M-Area Settling Basin
	904-112G	Lost Lake
	731-3A	Silverton Road Waste Site
	731-1A	A-Area Burning/Rubble Pit
	731-A	A-Area Burning/Rubble Pit
	731-5A	Miscellaneous Chemical Basin
731-4A	Metals Burning Pit	
2	231-F	F-Area Burning/Rubble Pit
	231-1F	F-Area Burning/Rubble Pit
	904-49G	F-Area Seepage Basin (Old)
	904-74G	F-Area Acid/Caustic Basin
	643-7G	Radioactive Waste Burial Ground
	643-G	Radioactive Waste Burial Ground
	281-3F	F-Area Retention Basin
	904-75G	H-Area Acid/Caustic Basin
	281-3H	H-Area Retention Basin
	904-44G	H-Area Seepage Basin
	904-45G	H-Area Seepage Basin
	904-46G	H-Area Seepage Basin
	904-56G	H-Area Seepage Basin
	904-41G	F-Area Seepage Basin
904-42G	F-Area Seepage Basin	
904-43G	F-Area Seepage Basin	
3	904-103G	R-Area Seepage Basin
	904-104G	R-Area Seepage Basin
	904-57G	R-Area Seepage Basin
	904-58G	R-Area Seepage Basin
	904-59G	R-Area Seepage Basin
	904-60G	R-Area Seepage Basin
	643-10G	R-Area Bingham Pump Outage Pit

Table 2 (cont)

Interaction Zone	SRP Waste Site #	Waste Site Name
3 (cont)	643-9G	R-Area Bingham Pump Outage Pit
	643-8G	R-Area Bingham Pump Outage Pit
	904-77G	R-Area Acid/Caustic Basin
	131-1R	R-Area Burning/Rubble Pit
	131-R	R-Area Burning/Rubble Pit
4	904-89G	C-Area Containment Basin
	131-G	---
	904-66G	C-Area Seepage Basin
	904-67G	C-Area Seepage Basin
	904-68G	C-Area Seepage Basin
	631-5G	CS Burning/Rubble Pit
	631-1G	CS Burning/Rubble Pit
	080-16G	SRL Oil Test Site
	631-4G	Hydrofluoric Acid Spill Area
	643-11G	Ford Building Waste Site
	904-91G	Ford Building Seepage Basin
	631-5G	CS Burning/Rubble Pit
5 & 6	643-5G	TNX Burying Ground
	904-102G	TNX Seepage Basin (New)
	904-76G	TNX Seepage Basin (Old)
	431-D	D-Area Burning/Rubble Pit
	431-1D	D-Area Burning/Rubble Pit
	631-G	D-Area Oil Seepage Basin
7	904-111G	Road A Chemical Basin
8	904-88G	K-Area Containment Basin
	131-K	K-Area Burning/Rubble Pit
	904-80G	K-Area Acid/Caustic Basin
	904-65G	K-Area Seepage Basin
	943-1G	K-Area Bingham Pump Outage Pit
9	---	CMP Pits
	643-2G	L-Area Bingham Pump Outage Pit
	643-3G	L-Area Bingham Pump Outage Pit
	131-L	L-Area Burning/Rubble Pit
	904-87G	L-Area Containment Basin
	904-79G	L-Area Acid/Caustic Basin
	904-83G	L-Area Oil and Chemical Basin
	904-64G	L-Area Seepage Basin



Table 2 (cont)

Interaction Zone	SRP Waste Site #	Waste Site Name
10	131-P	P-Area Burning/Rubble Pit
	643-4G	P-Area Bingham Pump Outage Pit
	904-78G	P-Area Acid/Caustic Basin
	904-86G	P-Area Containment Basin
	904-63G	P-Area Seepage Basin
	904-62G	P-Area Seepage Basin
	904-61G	P-Area Seepage Basin
11	080-31G	Gunsite 72 Rubble Pile

Table 3. Color Codes for Wetlands and Land Cover Areas.

---

Dark Grey	=	Background
Medium Grey	=	Production Areas
Dark Blue	=	Water
Dark Green	=	Cypress/Tupelo
Yellow	=	Emergent Marsh
Violet	=	Scrub/Shrub
Green	=	Bottomland Hardwood
Blue (alternating bands)	=	Upland Old Pine
Black	=	Main/Secondary Roads
Red (vector)	=	Railroads
Brown	=	Utility Corridors
Red (polygon)	=	Waste Site

Table 4. Area of Wetlands in Interaction Zone 1.

Type of Wetlands	Area	
	Hectares	Acres
Open Water	6.0	14.7
Cypress/Tupelo	0	0
Emergent Marsh	1.7	4.2
Scrub/Shrub	11.9	29.4
Bottomland Hardwood	61.6	152.2
<b>Total</b>	<b>81.2</b>	<b>200.5</b>

Table 5. Wetlands within 1000 Meters of Waste Site 904-55G, Savannah River Laboratory Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	2.9 (7.1)	2.2 (5.4)	1.9 (4.6)	4.8 (11.9)	2.5 (6.2)
Total Hectares (Acres)	2.9 (7.1)	2.2 (5.4)	1.9 (4.6)	4.8 (11.9)	2.5 (6.2)

Table 6. Wetlands Within 1000 Meters of Waste Site 904-54G, Savannah River Laboratory Seepage Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	2.2 (5.5)	2.5 (6.1)	1.9 (4.7)	2.7 (6.7)	4.7 (11.6)
Total Hectares (Acres)	2.2 (5.5)	2.5 (6.1)	1.9 (4.7)	2.7 (6.7)	4.7 (11.6)

Table 7. Wetlands Within 1000 Meters of Waste Site 904-54G, Savannah River Laboratory Seepage Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	1.6 (3.9)	2.8 (6.9)	2.0 (5.0)	1.9 (4.9)	4.8 (11.9)
Total Hectares (Acres)	1.6 (3.9)	2.8 (6.9)	2.0 (5.0)	1.9 (4.9)	4.8 (11.9)

Table 8. Wetlands Within 1000 Meters of Waste Site 904-110G,  
Metallurgical Laboratory Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	<0.2 (<0.5)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	0.4 (1.0)	3.5 (8.6)	4.6 (11.3)
Total Hectares (Acres)	0 (0)	<0.2 (<0.5)	0.4 (1.0)	3.5 (8.6)	4.6 (11.3)

Table 9. Wetlands Within 1000 Meters of Waste Site 904-101G, 716-A Motor Shop Seepage Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000*
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0.1 (0.2)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0.8 (2.0)
Total Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0.9 (2.2)

\* Does not include area estimates for Lost Lake, a Carolina Bay, given as Waste Site 904-112G in Table 11.



Table 10. Wetlands Within 1000 Meters of Waste Site 904-51G, M-Area Settling Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400*	401-600*	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0.1 (0.2)	0.7 (1.8)	0 (0)	0 (0)	0 (0)
Total Hectares (Acres)	0.1 (0.2)	0.7 (1.8)	0 (0)	0 (0)	0 (0)

\* Does not include area estimates for Lost Lake, a Carolina Bay, given as Waste Site 904-112G in Table 11.

Table 11. Wetlands Within 1000 Meters of Waste Site 904-112G, Lost Lake.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0.8 (2.0)	0 (0)	0 (0)	0 (0)	0 (0)
Total Hectares (Acres)	0.8 (2.0)	0 (0)	0 (0)	0 (0)	0 (0)

Table 12. Wetlands Within 1000 Meters of Waste Site 731-3A, Silverton Road Waste Site.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Total Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)

Table 13. Wetlands Within 1000 Meters of Waste Site 731-1A, A-Area Burning/Rubble Pit.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000*
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Total Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)

\* Does not include area estimates for Lost Lake, a Carolina Bay, given as Waste Site 904-112G in Table 11.

Table 14. Wetlands Within 1000 Meters of Waste Site 731-A, A-Area  
Burning/Rubble Pit.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000*
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Total Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)

\* Does not include area estimates for Lost Lake, a Carolina Bay, given as Waste Site 904-112G in Table 11.

Table 15. Wetlands Within 1000 Meters of Waste Site 731-5A,  
Miscellaneous Chemical Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Total Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)

Table 16. Wetlands Within 1000 Meters of Waste Site 731-4A, Metals Burning Pit.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Total Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)

Table 17. Area of Wetlands in Interaction Zone 2.

Type of Wetlands	Area	
	Hectares	Acres
Open Water	7.7	19.0
Cypress/Tupelo	0	0
Emergent Marsh	27.9	68.9
Scrub/Shrub	84.1	207.7
Bottomland Hardwood	915.2	2259.8
<b>Total</b>	<b>1034.9</b>	<b>2555.4</b>



Table 18. Wetlands Within 1000 Meters of Waste Site 231-F, F-Area Burning/Rubble Pit.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	4.7 (11.6)	12.2 (30.1)	15.8 (39.0)	20.2 (49.8)
Total Hectares (Acres)	0 (0)	4.7 (11.6)	12.2 (30.1)	15.8 (39.0)	20.2 (49.8)

Table 19. Wetlands Within 1000 Meters of Waste Site 231-1F, F-Area Burning/Rubble Pit.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	3.5 (8.7)	9.8 (24.3)	15.0 (37.1)	18.1 (44.7)
Total Hectares (Acres)	0 (0)	3.5 (8.7)	9.8 (24.3)	15.0 (37.1)	18.1 (44.7)

Table 20. Wetlands Within 1000 Meters of Waste Site 904-49G, F-Area Seepage Basin (Old).

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0.1)	4.6 (11.4)	6.6 (16.3)	25.0 (61.6)	31.2 (76.9)
Total Hectares (Acres)	0 (0.1)	4.6 (11.4)	6.6 (16.3)	25.0 (61.6)	31.2 (76.9)

Table 21. Wetlands Within 1000 Meters of Waste Site 904-74G, F-Area Acid/Caustic Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	0.7 (1.8)	6.1 (15.1)	5.4 (13.4)
Total Hectares (Acres)	0 (0)	0 (0)	0.7 (1.8)	6.1 (15.1)	5.4 (13.4)

Table 22. Wetlands Within 1000 Meters of Waste Site 643-7G, Radioactive Waste Burial Ground.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	4.7 (11.6)	0.7 (1.8)	4.4 (10.8)	20.1 (49.5)	25.5 (62.9)
Total Hectares (Acres)	4.7 (11.6)	0.7 (1.8)	4.4 (10.8)	20.1 (49.5)	25.5 (62.9)

Table 23. Wetlands Within 1000 Meters of Waste Site 643-G, Radioactive Waste Burial Ground.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water					
Hectares	0	0	0	0	0
(Acres)	(0)	(0)	(0)	(0)	(0)
Cypress/Tupelo					
Hectares	0	0	0	0	0
(Acres)	(0)	(0)	(0)	(0)	(0)
Emergent Marsh					
Hectares	0	0	0	0	4.3
(Acres)	(0)	(0)	(0)	(0)	(10.5)
Scrub/Shrub					
Hectares	0	0	0	0	0
(Acres)	(0)	(0)	(0)	(0)	(0)
Bottomland Hardwood					
Hectares	1.6	2.6	2.5	24.7	43.0
(Acres)	(4.0)	(6.3)	(6.1)	(60.9)	(106.2)
Total					
Hectares	1.6	2.6	2.5	24.7	47.3
(Acres)	(4.0)	(6.3)	(6.1)	(60.9)	(116.7)

Table 24. Wetlands Within 1000 Meters of Waste Site 281-3F, F-Area Retention Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water					
Hectares	0	0	0	0	0
(Acres)	(0)	(0)	(0)	(0)	(0)
Cypress/Tupelo					
Hectares	0	0	0	0	0
(Acres)	(0)	(0)	(0)	(0)	(0)
Emergent Marsh					
Hectares	0	0	0	0	0
(Acres)	(0)	(0)	(0)	(0)	(0)
Scrub/Shrub					
Hectares	0	0	0	0	0
(Acres)	(0)	(0)	(0)	(0)	(0)
Bottomland Hardwood					
Hectares	0	0.6	2.4	3.2	11.9
(Acres)	(0)	(1.4)	(5.9)	(7.8)	(29.3)
Total					
Hectares	0	0.6	2.4	3.2	11.9
(Acres)	(0)	(1.4)	(5.9)	(7.8)	(29.3)

Table 25. Wetlands Within 1000 Meters of Waste Site 904-75G, H-Area Acid/Caustic Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0.1)	1.8 (4.4)	0 (0.1)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0.1 (0.2)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	0 (0)	6.9 (16.9)	7.9 (19.6)
Total Hectares (Acres)	0 (0)	0 (0.1)	1.8 (4.4)	6.9 (17.0)	8.0 (19.8)



Table 26. Wetlands Within 1000 Meters of Waste Site 281-3H, H-Area Retention Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	1.1 (2.8)	0.7 (1.8)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	3.2 (7.9)	3.5 (8.7)	3.6 (8.9)	19.3 (47.6)
Total Hectares (Acres)	0 (0)	4.3 (10.7)	4.2 (10.5)	3.6 (8.9)	19.3 (47.6)

Table 27. Wetlands Within 1000 Meters of Waste Site 904-44G, H-Area Seepage Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0.7 (1.8)	1.1 (2.8)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	2.2 (5.3)	4.2 (10.3)	5.5 (13.5)	11.6 (28.7)	17.1 (42.3)
Total Hectares (Acres)	2.2 (5.3)	4.2 (10.3)	5.5 (13.5)	12.3 (30.5)	18.2 (45.1)

Table 28. Wetlands Within 1000 Meters of Waste Site 904-45G, H-Area Seepage Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0.3 (0.8)	1.5 (3.8)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	1.8 (4.4)	5.6 (13.7)	10.6 (26.2)	12.2 (30.2)	17.5 (43.2)
Total Hectares (Acres)	1.8 (4.4)	5.6 (13.7)	10.6 (26.2)	12.5 (31.0)	19.0 (47.0)

Table 29. Wetlands Within 1000 Meters of Waste Site 904-46G, H-Area Seepage Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0.4 (1.0)	1.5 (3.6)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	5.6 (13.8)	8.8 (21.6)	12.4 (30.6)	13.4 (33.0)	14.9 (36.7)
Total Hectares (Acres)	5.6 (13.8)	8.8 (21.6)	12.4 (30.6)	13.8 (34.0)	16.4 (40.3)

Table 30. Wetlands Within 1000 Meters of Waste Site 904-56G, H-Area Seepage Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0.6 (1.4)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0.9 (2.3)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	1.5 (3.8)	22.2 (54.8)	17.0 (41.9)	20.3 (50.2)	11.8 (29.2)
Total Hectares (Acres)	1.5 (3.8)	22.2 (54.8)	17.0 (41.9)	20.3 (50.2)	13.3 (32.9)

Table 31. Wetlands Within 1000 Meters of Waste Site 904-41G, F-Area Seepage Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	6.1 (15.0)	11.4 (28.2)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	4.0 (9.9)	7.3 (18.1)	12.5 (30.8)
Total Hectares (Acres)	0 (0)	0 (0)	4.0 (9.9)	13.4 (33.1)	23.9 (59.0)

Table 32. Wetlands Within 1000 Meters of Waste Site 904-42G, F-Area Seepage Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0.6 (1.5)	12.8 (31.7)	6.1 (15.1)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0.1 (0.3)	6.7 (16.6)	5.7 (14.0)	14.3 (35.4)
Total Hectares (Acres)	0 (0)	0.1 (0.3)	7.3 (18.1)	18.5 (45.7)	20.4 (50.5)

Table 33. Wetlands Within 1000 Meters of Waste Site 904-43G, F-Area Seepage Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0.2 (0.4)	5.8 (14.2)	9.7 (23.9)	3.4 (8.4)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0.7 (1.8)	6.3 (15.6)	9.3 (22.9)	15.2 (37.4)
Total Hectares (Acres)	0 (0)	0.9 (2.2)	12.1 (29.8)	19.0 (46.8)	18.6 (45.8)



Table 34. Area of Wetlands in Interaction Zone 3.

Type of Wetlands	Area	
	Hectares	Acres
Open Water	63.2	156.1
Cypress/Tupelo	0	0
Emergent Marsh	14.3	35.2
Scrub/Shrub	0	0
Bottomland Hardwood	95.1	234.8
<b>Total</b>	<b>172.6</b>	<b>426.1</b>

Table 35. Wetlands Within 1000 Meters of Waste Site 904-103G, R-Area Seepage Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0.9 (2.3)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	1.1 (2.8)	14.3 (35.2)	10.4 (25.7)
Total Hectares (Acres)	0 (0)	0 (0)	1.1 (2.8)	14.3 (35.2)	11.3 (28.0)

Table 36. Wetlands Within 1000 Meters of Waste Site 904-104G, R-Area Seepage Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	1.5 (3.8)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	4.9 (12.2)	14.1 (34.9)	7.2 (17.7)
Total Hectares (Acres)	0 (0)	0 (0)	4.9 (12.2)	14.1 (34.9)	8.7 (21.5)

Table 37. Wetlands Within 1000 Meters of Waste Site 904-57G, R-Area Seepage Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0.5 (1.3)	0.6 (1.5)	2.9 (7.1)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	10.9 (26.9)	10.9 (27.0)	6.0 (14.8)
Total Hectares (Acres)	0 (0)	0 (0)	11.4 (28.2)	11.5 (28.5)	8.9 (21.9)

Table 38. Wetlands Within 1000 Meters of Waste Site 904-58G, R-Area Seepage Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	3.6 (8.8)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	6.9 (17.1)	12.3 (30.4)	7.2 (17.7)
Total Hectares (Acres)	0 (0)	0 (0)	6.9 (17.1)	12.3 (30.4)	10.8 (26.5)

Table 39. Wetlands Within 1000 Meters of Waste Site 904-59G, R-Area Seepage Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	3.5 (8.6)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	4.7 (11.5)	12.8 (31.7)	8.2 (20.2)
Total Hectares (Acres)	0 (0)	0 (0)	4.7 (11.5)	12.8 (31.7)	11.7 (28.8)

Table 40. Wetlands Within 1000 Meters of Waste Site 904-60G, R-Area Seepage Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0.5 (1.2)	3.7 (9.0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	1.3 (3.2)	14.6 (36.0)	8.6 (21.2)
Total Hectares (Acres)	0 (0)	0 (0)	1.3 (3.2)	15.1 (37.2)	12.3 (30.2)

Table 41. Wetlands Within 1000 Meters of Waste Site 643-10G, R-Area  
Bingham Pump Outage Pit.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	1.9 (4.8)	2.8 (6.9)	2.0 (4.9)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	0.9 (2.3)	0.9 (2.3)	0 (0)
Total Hectares (Acres)	0 (0)	0 (0)	2.8 (7.1)	3.7 (9.2)	2.0 (4.9)



Table 42. Wetlands Within 1000 Meters of Waste Site 643-9G, R-Area  
Bingham Pump Outage Pit.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	1.6 (4.0)	2.8 (6.9)	3.5 (8.7)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	0.7 (1.8)	1.1 (2.8)	0 (0)
Total Hectares (Acres)	0 (0)	0 (0)	2.3 (5.8)	3.9 (9.7)	3.5 (8.7)

Table 43. Wetlands Within 1000 Meters of Waste Site 643-8G, R-Area  
Bingham Pump Outage Pit.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water					
Hectares	0	0	1.1	2.5	5.1
(Acres)	(0)	(0)	(2.8)	(6.1)	(12.6)
Cypress/Tupelo					
Hectares	0	0	0	0	0
(Acres)	(0)	(0)	(0)	(0)	(0)
Emergent Marsh					
Hectares	0	0	0	0	0
(Acres)	(0)	(0)	(0)	(0)	(0)
Scrub/Shrub					
Hectares	0	0	0	0	0
(Acres)	(0)	(0)	(0)	(0)	(0)
Bottomland Hardwood					
Hectares	0	0	0.4	1.5	0
(Acres)	(0)	(0)	(1.0)	(3.6)	(0)
Total					
Hectares	0	0	1.5	4.0	5.1
(Acres)	(0)	(0)	(3.8)	(9.7)	(12.6)

Table 44. Wetlands Within 1000 Meters of Waste Site 904-77G, R-Area Acid/Caustic Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	1.2 (3.0)	3.5 (8.7)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	3.8 (9.4)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	1.1 (2.8)	7.1 (17.4)	2.2 (5.3)
Total Hectares (Acres)	0 (0)	0 (0)	1.1 (2.8)	8.3 (20.4)	9.5 (23.4)

Table 45. Wetlands Within 1000 Meters of Waste Site 131-1R, R-Area  
Burning/Rubble Pit.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0.9 (2.1)	3.5 (8.6)	1.1 (2.6)	3.0 (7.5)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	2.8 (6.9)	1.2 (3.0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0.3 (0.8)	1.5 (3.7)	0.8 (1.9)	3.4 (8.4)
Total Hectares (Acres)	0 (0)	1.2 (2.9)	7.8 (19.2)	3.1 (7.5)	6.4 (15.9)

Table 46. Wetlands Within 1000 Meters of Waste Site 131-R, R-Area  
Burning/Rubble Pit.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	2.4 (6.0)	1.9 (4.7)	1.9 (4.6)	3.5 (8.7)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0.2 (0.4)	3.4 (8.4)	0.5 (1.1)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0.8 (2.0)	1.5 (3.8)	0.2 (0.6)	1.9 (4.7)
Total Hectares (Acres)	0 (0)	3.4 (8.4)	6.8 (16.9)	2.6 (6.3)	5.4 (13.4)

Table 47. Area of Wetlands in Interaction Zone 4.

Type of Wetlands	Area	
	Hectares	Acres
Open Water	8.1	20.1
Cypress/Tupelo	0	0
Emergent Marsh	4.3	10.6
Scrub/Shrub	20.5	50.5
Bottomland Hardwood	125.7	310.4
Total	158.6	391.6

Table 48. Wetlands Within 1000 Meters of Waste Site 904-89G, C-Area Containment Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0.3 (0.8)	1.6 (4.0)	1.2 (3.0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	2.1 (5.2)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	1.4 (3.5)	4.4 (10.9)	17.4 (42.9)
Total Hectares (Acres)	0 (0)	0 (0)	1.7 (4.3)	6.0 (14.9)	20.7 (51.1)

Table 49. Wetlands Within 1000 Meters of Waste Site 131-G.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	1.3 (3.3)	1.5 (3.6)	0.4 (0.9)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	1.8 (4.4)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	3.0 (7.3)	2.4 (5.9)	12.2 (30.2)
Total Hectares (Acres)	0 (0)	0 (0)	4.3 (10.6)	3.9 (9.5)	14.4 (35.5)



Table 50. Wetlands Within 1000 Meters of Waste Site 904-66G, C-Area Seepage Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0.4 (0.9)	0.5 (1.1)	1.7 (4.3)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	1.9 (4.7)	1.1 (2.7)	1.8 (4.4)
Total Hectares (Acres)	0 (0)	0 (0)	2.3 (5.6)	1.6 (3.8)	3.5 (8.7)

Table 51. Wetlands Within 1000 Meters of Waste Site 904-67G, C-Area Seepage Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0.3 (0.8)	1.7 (4.1)	1.6 (4.0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	1.4 (3.4)	1.3 (3.2)	0.1 (0.3)	1.8 (4.4)
Total Hectares (Acres)	0 (0)	1.4 (3.4)	1.6 (4.0)	1.8 (4.4)	3.4 (8.4)

Table 52. Wetlands Within 1000 Meters of Waste Site 904-68G, C-Area Seepage Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water					
Hectares	0	0	0.3	0.3	1.7
(Acres)	(0)	(0)	(0.8)	(0.8)	(4.3)
Cypress/Tupelo					
Hectares	0	0	0	0	0
(Acres)	(0)	(0)	(0)	(0)	(0)
Emergent Marsh					
Hectares	0	0	0	0	0
(Acres)	(0)	(0)	(0)	(0)	(0)
Scrub/Shrub					
Hectares	0	0	0	0	0
(Acres)	(0)	(0)	(0)	(0)	(0)
Bottomland Hardwood					
Hectares	0	0	2.2	0.5	0.9
(Acres)	(0)	(0)	(5.4)	(1.1)	(2.3)
Total					
Hectares	0	0	2.5	0.8	2.6
(Acres)	(0)	(0)	(6.2)	(1.9)	(6.6)

Table 53. Wetlands Within 1000 Meters of Waste Site 631-5G, CS Burning/  
Rubble Pit.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	4.1 (10.1)	3.1 (7.7)	5.1 (12.7)	1.9 (4.8)	0 (0)
Total Hectares (Acres)	4.1 (10.1)	3.1 (7.7)	5.1 (12.7)	1.9 (4.8)	0 (0)

Table 54. Wetlands Within 1000 Meters of Waste Site 631-1G, CS Burning/Rubble Pit.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0.3 (0.8)	9.2 (22.8)	4.3 (10.7)	0.4 (0.9)	4.5 (11.0)
Total Hectares (Acres)	0.3 (0.8)	9.2 (22.8)	4.3 (10.7)	0.4 (0.9)	4.5 (11.0)

Table 55. Wetlands Within 1000 Meters of Waste Site 080-16G, SRL 011 Test Site.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	1.8 (4.5)	2.1 (5.2)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0.6 (1.4)	0.3 (0.7)	1.2 (2.9)	1.9 (4.8)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	2.5 (6.2)	3.8 (9.3)	1.0 (2.4)	1.1 (2.6)
Total Hectares (Acres)	0 (0)	3.1 (7.6)	4.1 (10.0)	4.0 (9.8)	5.1 (12.6)

Table 56. Wetlands Within 1000 Meters of Waste Site 631-4G,  
Hydrofluoric Acid Spill Area.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0.1 (0.2)	3.2 (7.8)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0.9 (2.1)	0.6 (1.5)	1.4 (3.4)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0.8 (1.9)	1.8 (4.4)	2.8 (6.8)	2.8 (6.8)
Total Hectares (Acres)	0 (0)	0.8 (1.9)	2.7 (6.5)	3.5 (8.5)	7.4 (18.0)

Table 57. Wetlands Within 1000 Meters of Waste Site 643-11G, Ford Building Waste Site.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0.1 (0.2)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	0 (0)	1.4 (3.5)	7.4 (18.3)
Total Hectares (Acres)	0 (0)	0 (0)	0 (0)	1.4 (3.5)	7.5 (18.5)



Table 58. Wetlands Within 1000 Meters of Waste Site 904-91G, Ford Building Seepage Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	0 (0)	0.9 (2.3)	7.4 (18.2)
Total Hectares (Acres)	0 (0)	0 (0)	0 (0)	0.9 (2.3)	7.4 (18.2)

Table 59. Wetlands Within 1000 Meters of Waste Site 631-5G, CS Burning/  
Rubble Pit.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	0 (0.1)	2.4 (6.0)	7.5 (18.6)
Total Hectares (Acres)	0 (0)	0 (0)	0 (0.1)	2.4 (6.0)	7.5 (18.6)

Table 60. Area of Wetlands in Interaction Zones 5 and 6.

Type of Wetlands	Area	
	Hectares	Acres
Open Water	91.9	226.9
Cypress/Tupelo	61.1	150.9
Emergent Marsh	71.8	177.2
Scrub/Shrub	112.4	277.5
Bottomland Hardwood	375.8	927.9
Total	713.0	1760.4

Table 61. Wetlands Within 1000 Meters of Waste Site 643-5G, TNX Burying Ground.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0.6 (1.5)	9.7 (23.9)	6.3 (15.6)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	9.6 (23.6)	16.0 (39.4)	11.8 (29.1)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	3.2 (7.8)	8.0 (19.8)	7.7 (18.9)	4.8 (11.9)
Total Hectares (Acres)	0 (0)	3.2 (7.8)	18.2 (44.9)	33.4 (82.2)	22.9 (56.6)

Table 62. Wetlands Within 1000 Meters of Waste Site 904-102G, TNX Seepage Basin (New).

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	3.4 (8.5)	9.3 (23.0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	1.2 (2.9)	16.4 (40.4)	23.2 (57.3)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	1.9 (4.6)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	1.5 (3.7)	11.9 (29.4)	8.5 (20.9)	1.9 (4.8)
Total Hectares (Acres)	0 (0)	1.5 (3.7)	13.1 (32.3)	28.3 (69.8)	36.3 (89.7)

Table 63. Wetlands Within 1000 Meters of Waste Site 904-76G, TNX Seepage Basin (Old).

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	7.6 (18.8)	6.1 (15.0)	7.1 (17.5)
Cypress/Tupelo Hectares (Acres)	0 (0)	7.5 (18.5)	12.0 (29.7)	15.6 (38.6)	13.1 (32.4)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	4.0 (9.8)	7.5 (18.5)	6.9 (16.9)	4.8 (11.9)	0.7 (1.7)
Total Hectares (Acres)	4.0 (9.8)	15.0 (37.0)	26.5 (65.4)	26.5 (65.5)	20.9 (51.6)

Table 64. Wetlands Within 1000 Meters of Waste Site 431-D, D-Area Burning/Rubble Pit.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0.5 (1.3)	1.2 (2.9)	2.6 (6.3)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	1.1 (2.6)	9.9 (24.5)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0.5 (1.2)	9.6 (23.6)	10.8 (26.6)
Scrub/Shrub Hectares (Acres)	0 (0)	1.4 (3.4)	3.2 (7.9)	0.1 (0.2)	1.8 (4.4)
Bottomland Hardwood Hectares (Acres)	0 (0)	0.1 (0.3)	1.8 (4.4)	2.8 (7.0)	6.8 (16.8)
Total Hectares (Acres)	0 (0)	1.5 (3.7)	6.0 (14.8)	14.8 (36.3)	31.9 (78.6)

Table 65. Wetlands Within 1000 Meters of Waste Site 431-1D, D-Area  
Burning/Rubble Pit.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0.2 (0.4)	1.2 (2.9)	1.3 (3.2)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	8.1 (20.0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	7.4 (18.2)	11.1 (27.3)
Scrub/Shrub Hectares (Acres)	0 (0)	0.4 (0.9)	3.7 (9.1)	0.6 (1.5)	0.7 (1.7)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	1.3 (3.1)	1.9 (4.8)	9.3 (23.0)
Total Hectares (Acres)	0 (0)	0.4 (0.9)	5.2 (12.6)	11.1 (27.4)	30.5 (75.2)



Table 66. Wetlands Within 1000 Meters of Waste Site 631-G, D-Area Oil Seepage Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water					
Hectares	0	0	0	0	4.6
(Acres)	(0)	(0)	(0)	(0)	(11.4)
Cypress/Tupelo					
Hectares	0	0	0	0	0
(Acres)	(0)	(0)	(0)	(0)	(0)
Emergent Marsh					
Hectares	0	0	0	0	2.2
(Acres)	(0)	(0)	(0)	(0)	(5.4)
Scrub/Shrub					
Hectares	0	0	0	0	0
(Acres)	(0)	(0)	(0)	(0)	(0)
Bottomland Hardwood					
Hectares	2.2	1.9	5.8	3.2	0
(Acres)	(5.5)	(4.7)	(14.4)	(8.0)	(0.1)
Total					
Hectares	2.2	1.9	5.8	3.2	6.8
(Acres)	(5.5)	(4.7)	(14.4)	(8.0)	(16.9)

Table 67. Area of Wetlands in Interaction Zone 7.

Type of Wetlands	Area	
	Hectares	Acres
Open Water	9.6	23.6
Cypress/Tupelo	0	0
Emergent Marsh	1.7	4.3
Scrub/Shrub	0	0
Bottomland Hardwood	107.9	266.4
Total	119.2	294.3

Table 68. Wetlands Within 1000 Meters of Waste Site 904-111G, Road A Chemical Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	6.2 (15.2)	4.9 (12.1)	6.6 (16.3)	14.5 (35.7)
Total Hectares (Acres)	0 (0)	6.2 (15.2)	4.9 (12.1)	6.6 (16.3)	14.5 (35.7)

Table 69. Area of Wetlands in Interaction Zone 8.

Type of Wetlands	Area	
	Hectares	Acres
Open Water	24.2	59.7
Cypress/Tupelo	0	0
Emergent Marsh	2.6	6.5
Scrub/Shrub	0	0
Bottomland Hardwood	131.7	325.1
Total	158.5	391.3

Table 70. Wetlands Within 1000 Meters of Waste Site 904-88G, K-Area Containment Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0.3 (0.8)	1.1 (2.8)	2.8 (6.9)	2.3 (5.6)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	4.0 (9.9)	12.4 (30.6)	6.1 (15.1)	12.1 (29.8)
Total Hectares (Acres)	0 (0)	4.3 (10.7)	13.5 (33.4)	8.9 (22.0)	14.4 (35.4)

Table 71. Wetlands Within 1000 Meters of Waste Site 131-K, K-Area  
Burning/Rubble Pit.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0.6 (1.4)	1.8 (4.4)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0.5 (1.1)	8.1 (19.9)	4.6 (11.4)	1.3 (3.1)
Total Hectares (Acres)	0 (0)	1.1 (2.5)	9.9 (24.3)	4.6 (11.4)	1.3 (3.1)

Table 72. Wetlands Within 1000 Meters of Waste Site 904-80G, K-Area Acid/Caustic Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	1.0 (2.4)	1.4 (3.4)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	0 (0)	1.5 (3.6)	15.4 (38.1)
Total Hectares (Acres)	0 (0)	0 (0)	0 (0)	2.5 (6.0)	16.8 (41.5)

Table 73. Wetlands Within 1000 Meters of Waste Site 904-65G, K-Area Seepage Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0.1)	0.4 (1.0)	0.4 (1.0)	0.9 (2.3)	4.7 (11.7)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	0 (0)	13.0 (32.1)	20.9 (51.5)
Total Hectares (Acres)	0 (0.1)	0.4 (1.0)	0.4 (1.0)	13.9 (34.4)	25.6 (63.2)



Table 74. Wetlands Within 1000 Meters of Waste Site 643-1G, K-Area  
Bingham Pump Outage Pit.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0.1 (0.3)	0.4 (1.0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0.1)
Total Hectares (Acres)	0 (0)	0 (0)	0 (0)	0.1 (0.3)	0.4 (1.1)

Table 75. Area of Wetlands in Interaction Zone 9.

Type of Wetlands	Area	
	Hectares	Acres
Open Water	0.9	2.3
Cypress/Tupelo	0	0
Emergent Marsh	0	0
Scrub/Shrub	1.5	3.7
Bottomland Hardwood	63.2	156.1
Total	65.6	162.1

Table 76. Wetlands Within 1000 Meters of Waste Site ---, CMP Pits.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0.7 (1.6)	0.9 (2.1)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0.2 (0.6)	9.0 (22.2)	7.9 (19.5)	5.3 (13.0)	11.0 (27.1)
Total Hectares (Acres)	0.2 (0.6)	9.7 (23.8)	8.8 (21.6)	5.3 (13.0)	11.0 (27.1)

Table 77. Wetlands Within 1000 Meters of Waste Site 643-2G, L-Area  
Bingham Pump Outage Pit.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water					
Hectares	0	0	0	0	0
(Acres)	(0)	(0)	(0)	(0)	(0)
Cypress/Tupelo					
Hectares	0	0	0	0	0
(Acres)	(0)	(0)	(0)	(0)	(0)
Emergent Marsh					
Hectares	0	0	0	0	0
(Acres)	(0)	(0)	(0)	(0)	(0)
Scrub/Shrub					
Hectares	0	0	0	0.8	0.7
(Acres)	(0)	(0)	(0)	(2.0)	(1.7)
Bottomland Hardwood					
Hectares	0	0	0	0	2.1
(Acres)	(0)	(0)	(0)	(0)	(5.1)
Total					
Hectares	0	0	0	0.8	2.8
(Acres)	(0)	(0)	(0)	(2.0)	(6.8)

Table 78. Wetlands Within 1000 Meters of Waste Site 643-3G, L-Area  
Bingham Pump Outage Pit.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0.4 (0.9)	1.1 (2.8)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	0 (0)	0.6 (1.4)	3.6 (8.9)
Total Hectares (Acres)	0 (0)	0 (0)	0.4 (0.9)	1.7 (4.2)	3.6 (8.9)

Table 79. Wetlands Within 1000 Meters of Waste Site 131-L, L-Area  
Burning/Rubble Pit.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water					
Hectares	0	0	0	0	0
(Acres)	(0)	(0)	(0)	(0)	(0)
Cypress/Tupelo					
Hectares	0	0	0	0	0
(Acres)	(0)	(0)	(0)	(0)	(0)
Emergent Marsh					
Hectares	0	0	0	0	0
(Acres)	(0)	(0)	(0)	(0)	(0)
Scrub/Shrub					
Hectares	0	0	0	0	0
(Acres)	(0)	(0)	(0)	(0)	(0)
Bottomland Hardwood					
Hectares	0	0	0	0	12.0
(Acres)	(0)	(0)	(0)	(0)	(29.5)
Total					
Hectares	0	0	0	0	12.0
(Acres)	(0)	(0)	(0)	(0)	(29.5)

Table 80. Wetlands Within 1000 Meters of Waste Site 904-87G, L-Area Containment Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	6.1 (15.0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	5.7 (14.0)
Total Hectares (Acres)	0 (0)	0 (0)	0 (0)	6.1 (15.0)	5.7 (14.0)

Table 81. Wetlands Within 1000 Meters of Waste Site 904-79G, L-Area Acid/Caustic Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	9.6 (23.8)	34.7 (85.7)	50.1 (123.7)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	0 (0)	0.4 (1.0)	0 (0)
Total Hectares (Acres)	0 (0)	0 (0)	9.6 (23.8)	35.1 (86.7)	50.1 (123.7)



Table 82. Wetlands Within 1000 Meters of Waste Site 904-83G, L-Area Oil and Chemical Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	13.4 (33.0)	36.4 (90.0)	50.2 (124.0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	0 (0)	0.4 (1.0)	0 (0)
Total Hectares (Acres)	0 (0)	0 (0)	13.4 (33.0)	36.8 (91.0)	50.2 (124.0)

Table 83. Wetlands Within 1000 Meters of Waste Site 904-64G, L-Area Seepage Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	13.4 (33.0)	42.5 (105.0)	55.8 (138.0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	0 (0)	0.1 (0.3)	0.3 (0.7)
Total Hectares (Acres)	0 (0)	0 (0)	13.4 (33.0)	42.6 (105.3)	56.1 (138.7)

Table 84. Area of Wetlands in Interaction Zone 10.

Type of Wetlands	Area	
	Hectares	Acres
Open Water	0.5	1.1
Cypress/Tupelo	0	0
Emergent Marsh	0	0
Scrub/Shrub	9.0	22.3
Bottomland Hardwood	11.5	28.4
<b>Total</b>	<b>21.0</b>	<b>51.8</b>

Table 85. Wetlands Within 1000 Meters of Waste Site 131-P, P-Area  
Burning/Rubble Pit.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	3.6 (8.9)	1.5 (3.8)	1.0 (2.5)
Total Hectares (Acres)	0 (0)	0 (0)	3.6 (8.9)	1.5 (3.8)	1.0 (2.5)

Table 86. Wetlands Within 1000 Meters of Waste Site 643-4G, P-Area  
Bingham Pump Outage Pit.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	0 (0)	0.8 (1.9)	2.7 (6.6)
Total Hectares (Acres)	0 (0)	0 (0)	0 (0)	0.8 (1.9)	2.7 (6.6)

Table 87. Wetlands Within 1000 Meters of Waste Site 904-78G, P-Area Acid/Caustic Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	1.6 (4.0)	2.6 (6.5)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	0 (0)	1.6 (3.9)	3.0 (7.3)
Total Hectares (Acres)	0 (0)	0 (0)	0 (0)	3.2 (7.9)	5.6 (13.8)

Table 88. Wetlands Within 1000 Meters of Waste Site 904-86G, P-Area Containment Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0.1 (0.2)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	0.3 (0.7)	3.4 (8.3)	1.8 (4.4)
Total Hectares (Acres)	0 (0)	0 (0)	0.3 (0.7)	3.4 (8.3)	1.9 (4.6)

Table 89. Wetlands Within 1000 Meters of Waste Site 904-63G, P-Area Seepage Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0.2 (0.4)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	0 (0)	1.5 (3.8)	2.2 (5.3)
Total Hectares (Acres)	0 (0)	0 (0)	0 (0)	1.5 (3.8)	2.2 (5.3)



Table 90. Wetlands Within 1000 Meters of Waste Site 904-62G, P-Area Seepage Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	0 (0)	1.2 (3.0)	2.4 (6.0)
Total Hectares (Acres)	0 (0)	0 (0)	0 (0)	1.2 (3.0)	2.4 (6.0)

Table 91. Wetlands Within 1000 Meters of Waste Site 904-61G, P-Area Seepage Basin.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0.8 (1.9)
Bottomland Hardwood Hectares (Acres)	0 (0)	0 (0)	0 (0)	0.2 (0.6)	3.9 (9.5)
Total Hectares (Acres)	0 (0)	0 (0)	0 (0)	0.2 (0.6)	4.7 (11.4)

Table 92. Area of Wetlands in Interaction Zone 11.

Type of Wetlands	Area	
	Hectares	Acres
Open Water	11.9	29.3
Cypress/Tupelo	0	0
Emergent Marsh	0	0
Scrub/Shrub	0	0
Bottomland Hardwood	269.9	666.3
<b>Total</b>	<b>281.8</b>	<b>695.6</b>

Table 93. Wetlands Within 1000 Meters of Waste Site 080-31G, Gunsite 72 Rubble Pile.

Type of Wetlands	Distance to Wetlands (Meters)				
	0-200	201-400	401-600	601-800	801-1000
Open Water Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cypress/Tupelo Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Emergent Marsh Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Scrub/Shrub Hectares (Acres)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bottomland Hardwood Hectares (Acres)	1.1 (2.7)	15.8 (38.9)	36.9 (91.0)	53.3 (131.5)	42.7 (105.3)
Total Hectares (Acres)	1.1 (2.7)	15.8 (38.9)	36.9 (91.0)	53.3 (131.5)	42.7 (105.3)

APPENDIX A

Wetlands Proximity Figures for 86 Potential Hazardous  
Waste Sites at the Savannah River Plant

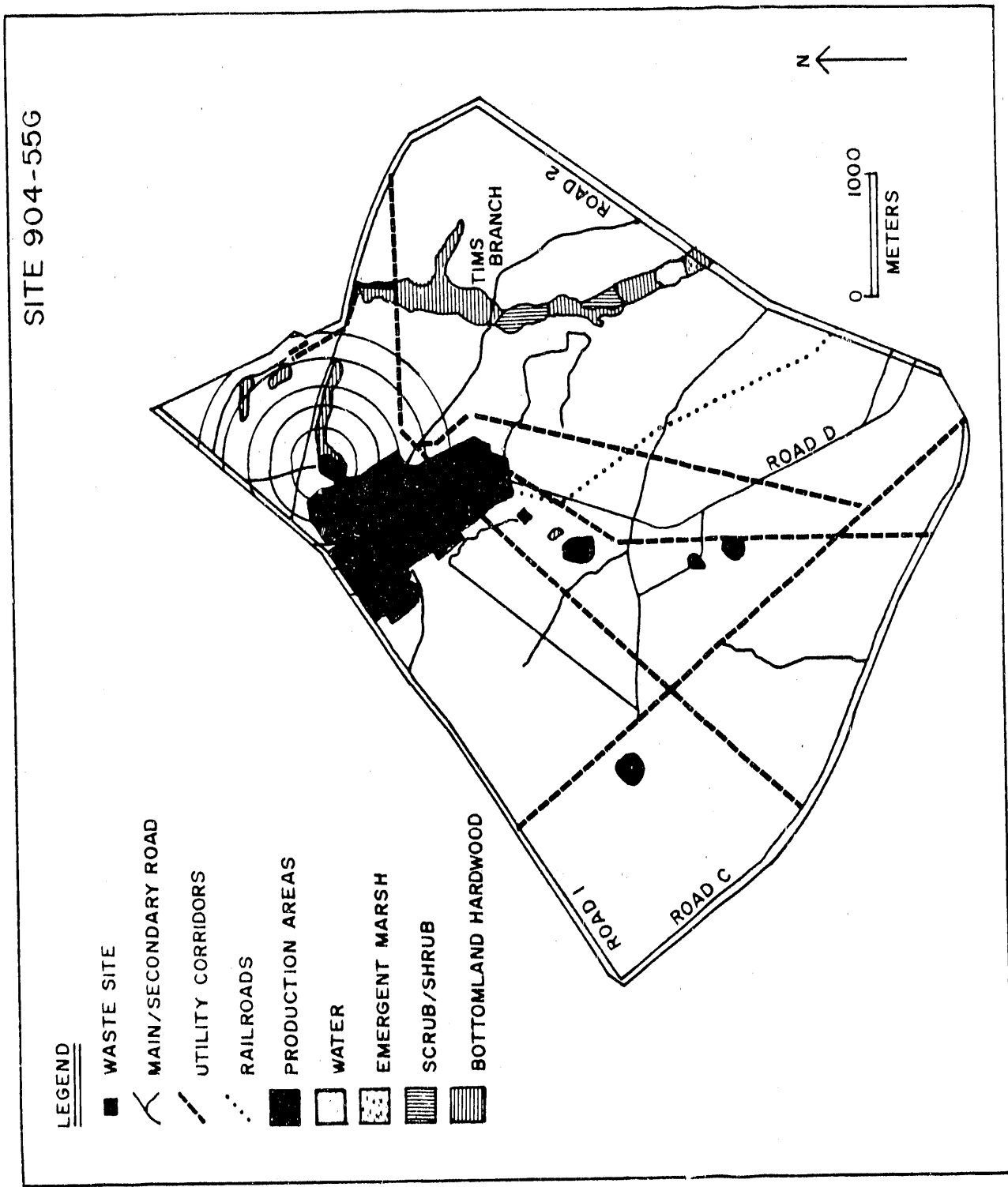


Figure 1. Wetlands Within 1000 Meters of Waste Site 904-55G, Savannah River Laboratory Basin

SITE 904-54G

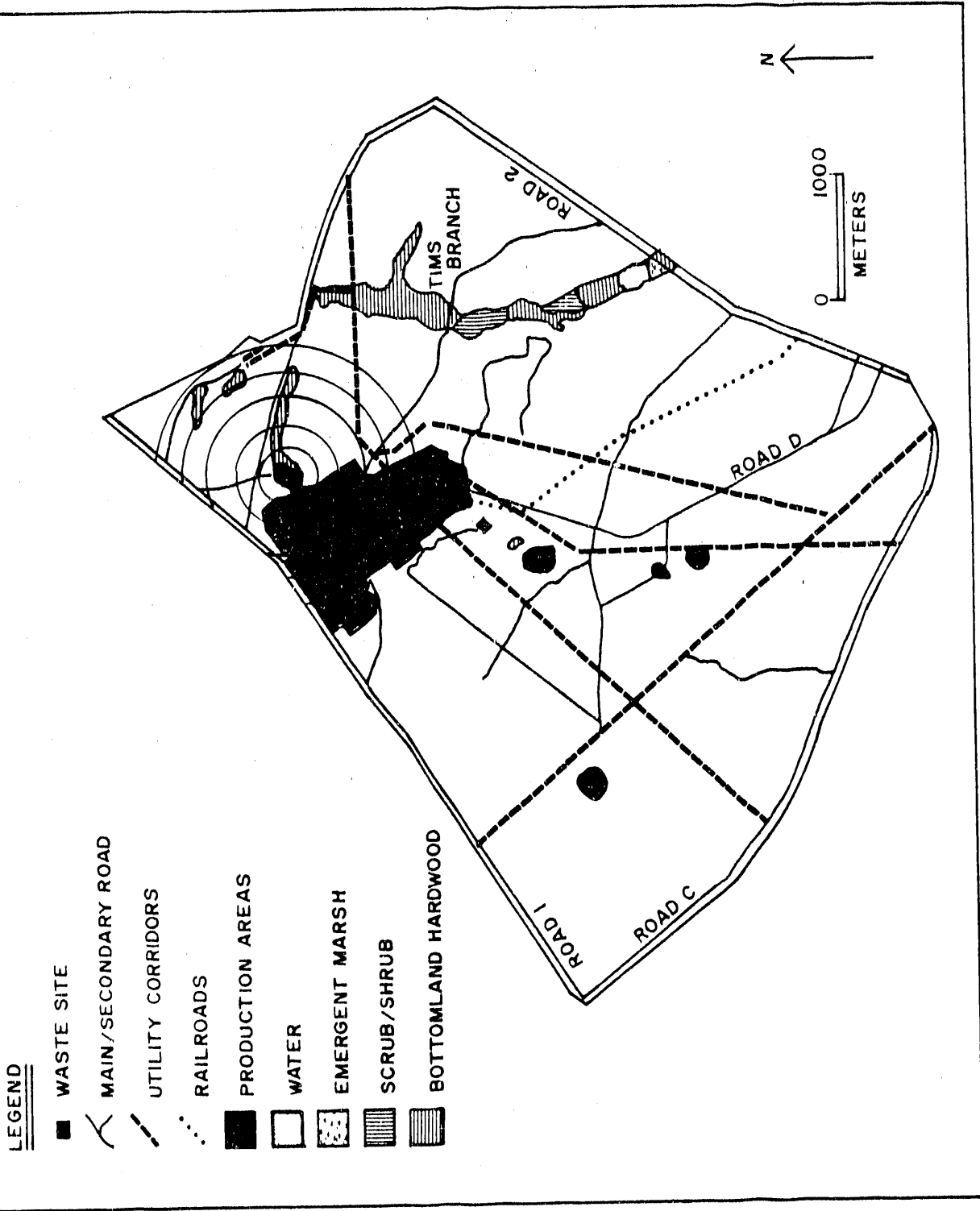


Figure 2. Wetlands Within 1000 Meters of Waste Site 904-54G, Savannah River Laboratory Seepage Basin

SITE 904-54G

**LEGEND**

- WASTE SITE
- MAIN/SECONDARY ROAD
- - - UTILITY CORRIDORS
- ⋯ RAILROADS
- PRODUCTION AREAS
- WATER
- ▨ EMERGENT MARSH
- ▩ SCRUB/SHRUB
- ▧ BOTTOMLAND HARDWOOD

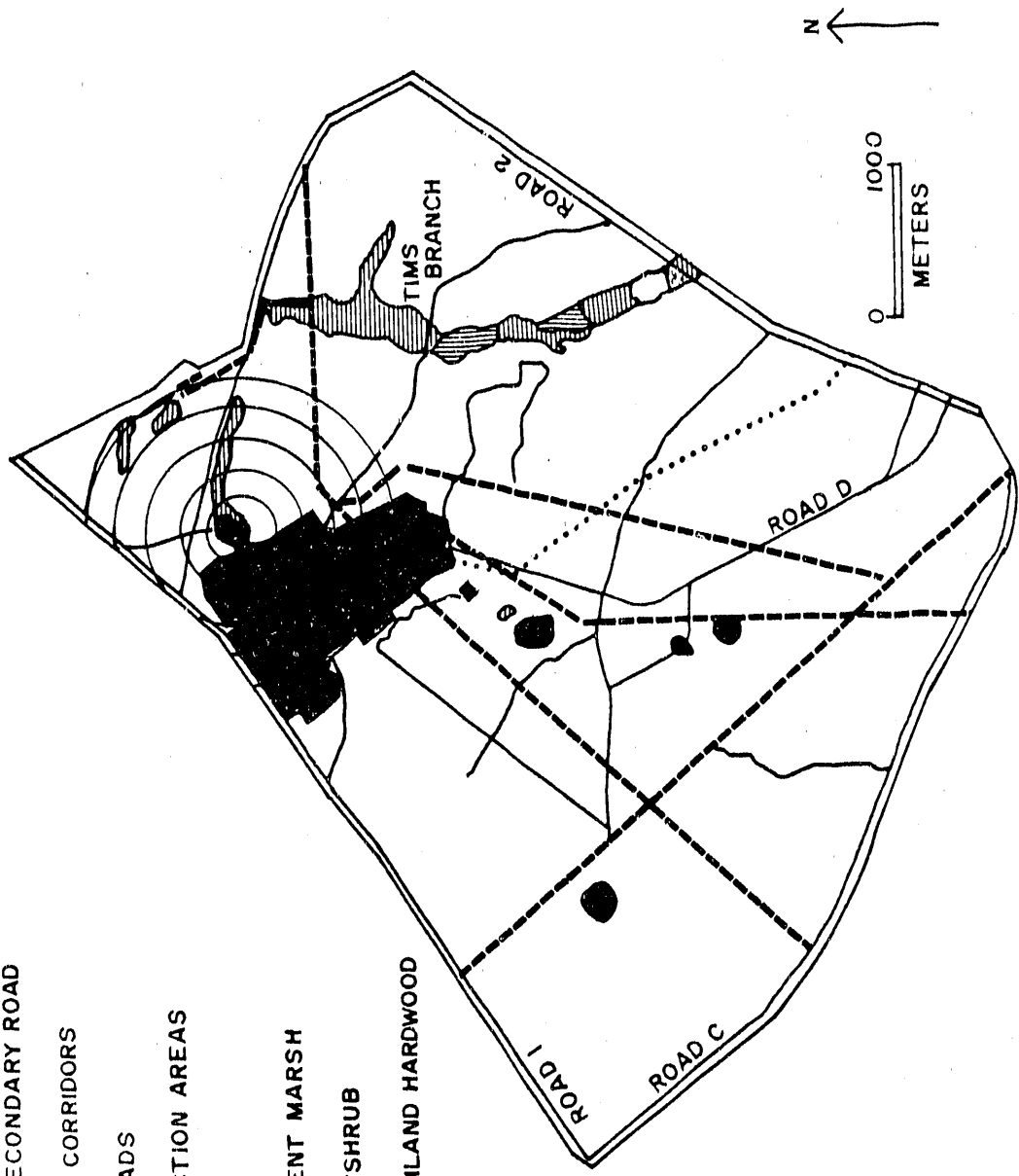


Figure 3. Wetlands Within 1000 Meters of Waste Site 904-54G, Savannah River Laboratory Seepage Basin



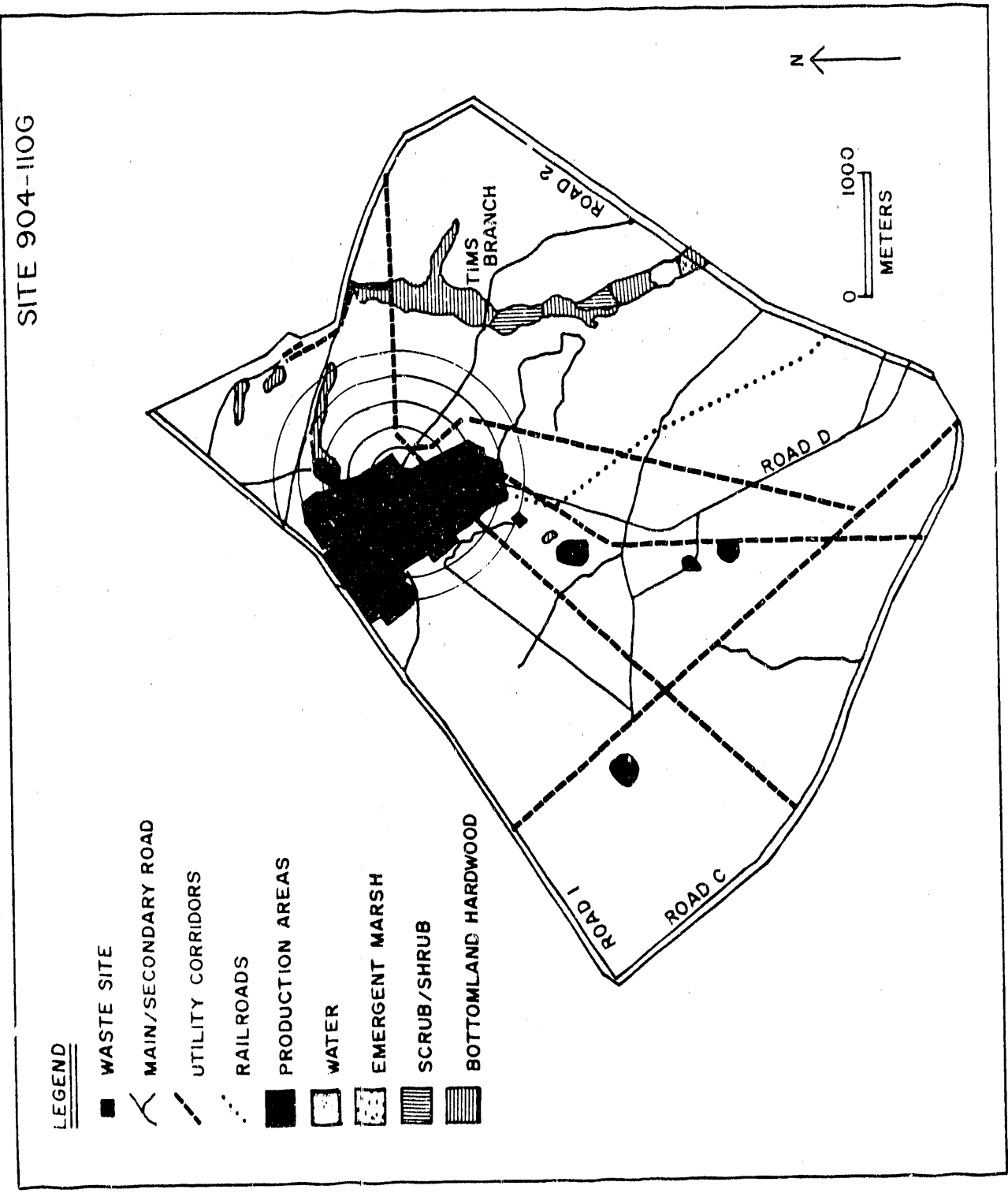


Figure 4. Wetlands Within 1000 Meters of Waste Site 904-110G, Metallurgical Laboratory Basin

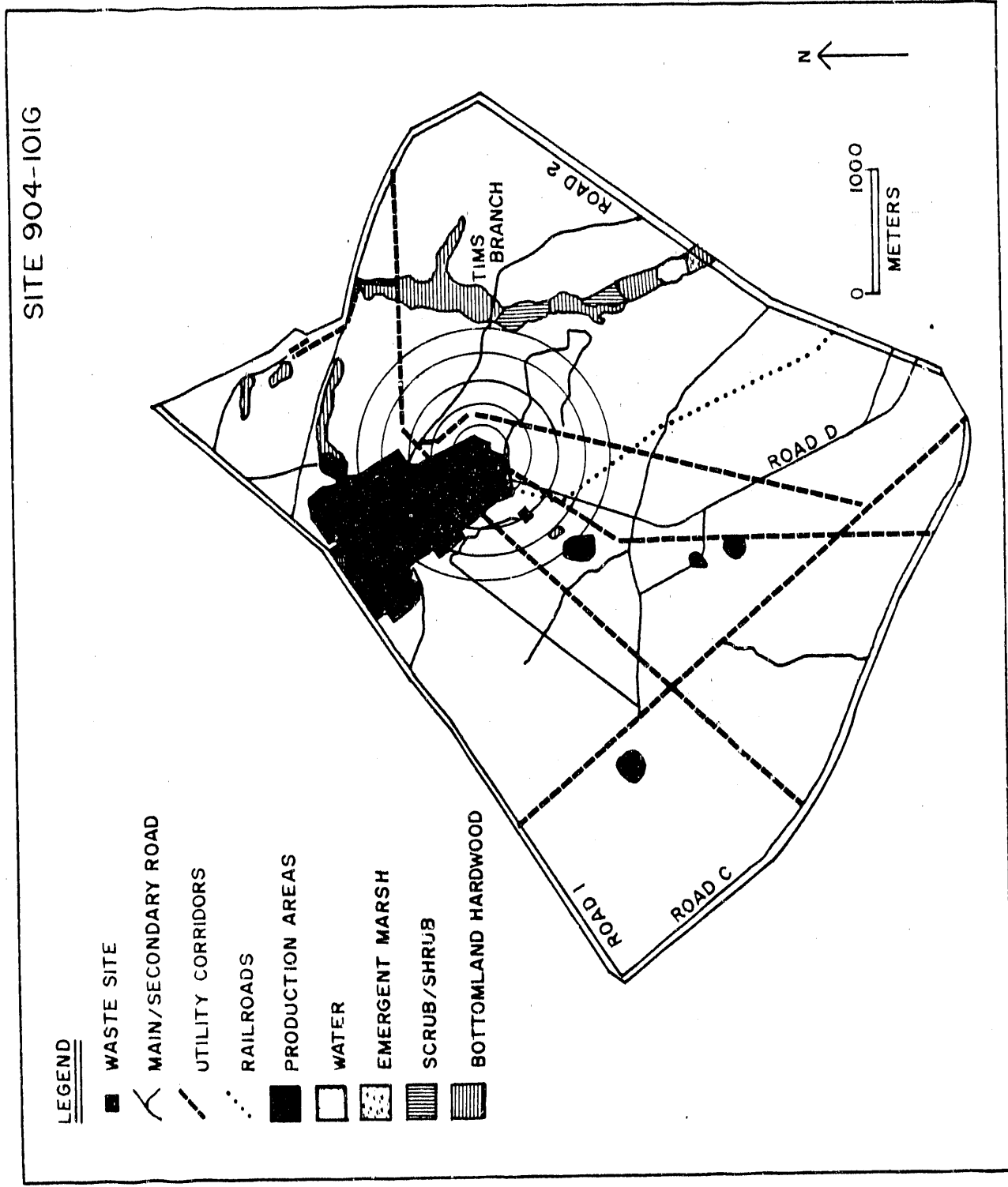


Figure 5. Wetlands Within 1000 Meters of Waste Site 904-101G, 716-A Motor Shop Seepage Basin

SITE 904-51G

LEGEND

- WASTE SITE
- X — MAIN/SECONDARY ROAD
- - - UTILITY CORRIDORS
- ⋯ RAILROADS
- PRODUCTION AREAS
- WATER
- ▨ EMERGENT MARSH
- ▩ SCRUB/SHRUB
- ▧ BOTTOMLAND HARDWOOD

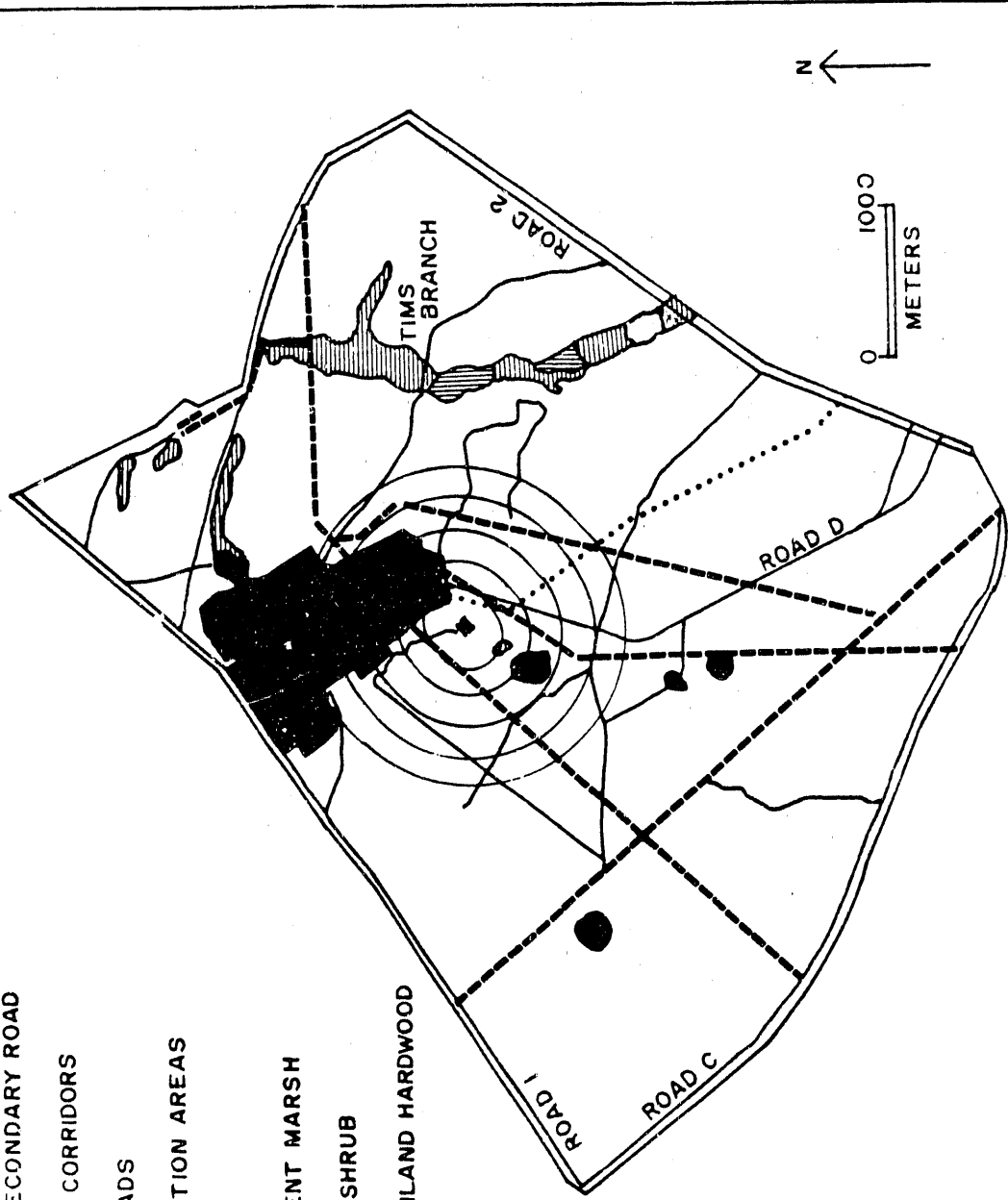


Figure 6. Wetlands Within 1000 Meters of Waste Site 904-51G, M-Area Settling Basin

SITE 904-112G

LEGEND

- WASTE SITE
- MAIN/SECONDARY ROAD
- - - UTILITY CORRIDORS
- ⋯ RAILROADS
- PRODUCTION AREAS
- WATER
- ▨ EMERGENT MARSH
- ▩ SCRUB/SHRUB
- ▧ BOTTOMLAND HARDWOOD

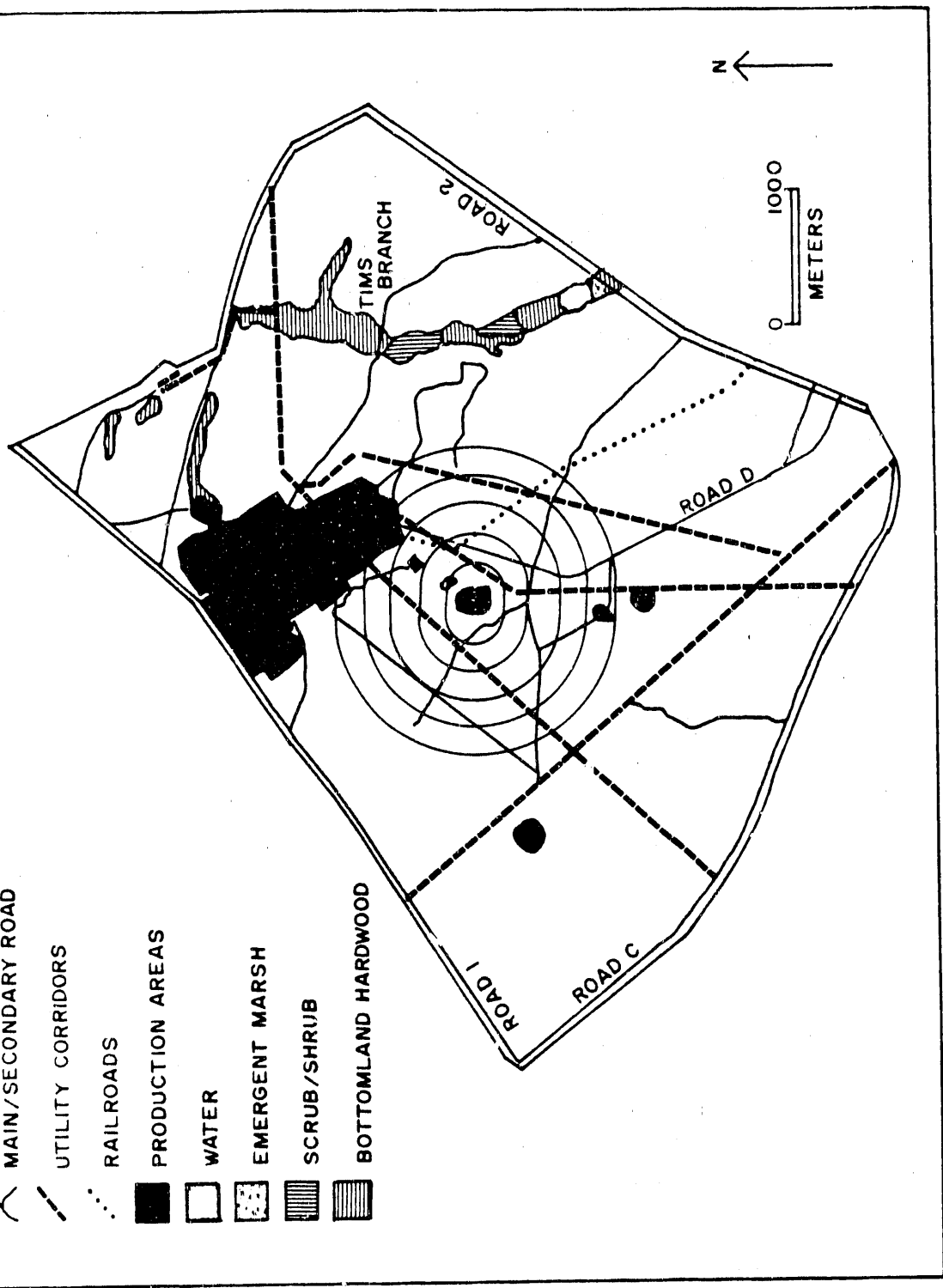


Figure 7. Wetlands Within 1000 Meters of Waste Site 904-112G, Lost Lake

SITE 731-3A

LEGEND

- WASTE SITE
- MAIN/SECONDARY ROAD
- - - UTILITY CORRIDORS
- ⋯ RAILROADS
- PRODUCTION AREAS
- WATER
- ▨ EMERGENT MARSH
- ▩ SCRUB/SHRUB
- ▧ BOTTOMLAND HARDWOOD

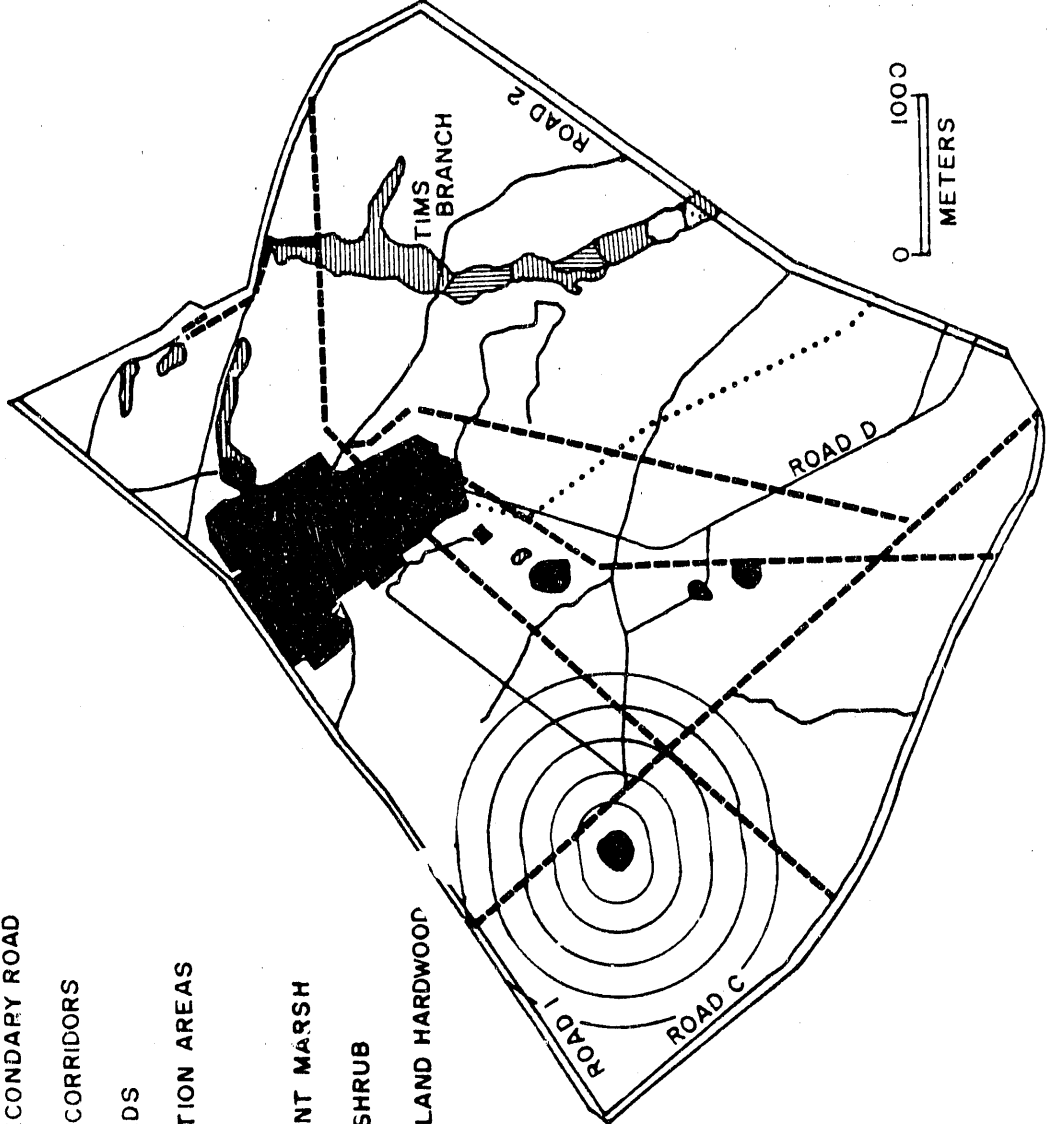


Figure 8. Wetlands Within 1000 Meters of Waste Site 731-3A, Silverton Road Waste Site

SITE 731-1A

LEGEND

- WASTE SITE
- MAIN/SECONDARY ROAD
- - - UTILITY CORRIDORS
- ⋯ RAILROADS
- PRODUCTION AREAS
- WATER
- ▨ EMERGENT MARSH
- ▩ SCRUB/SHRUB
- ▧ BOTTOMLAND HARDWOOD

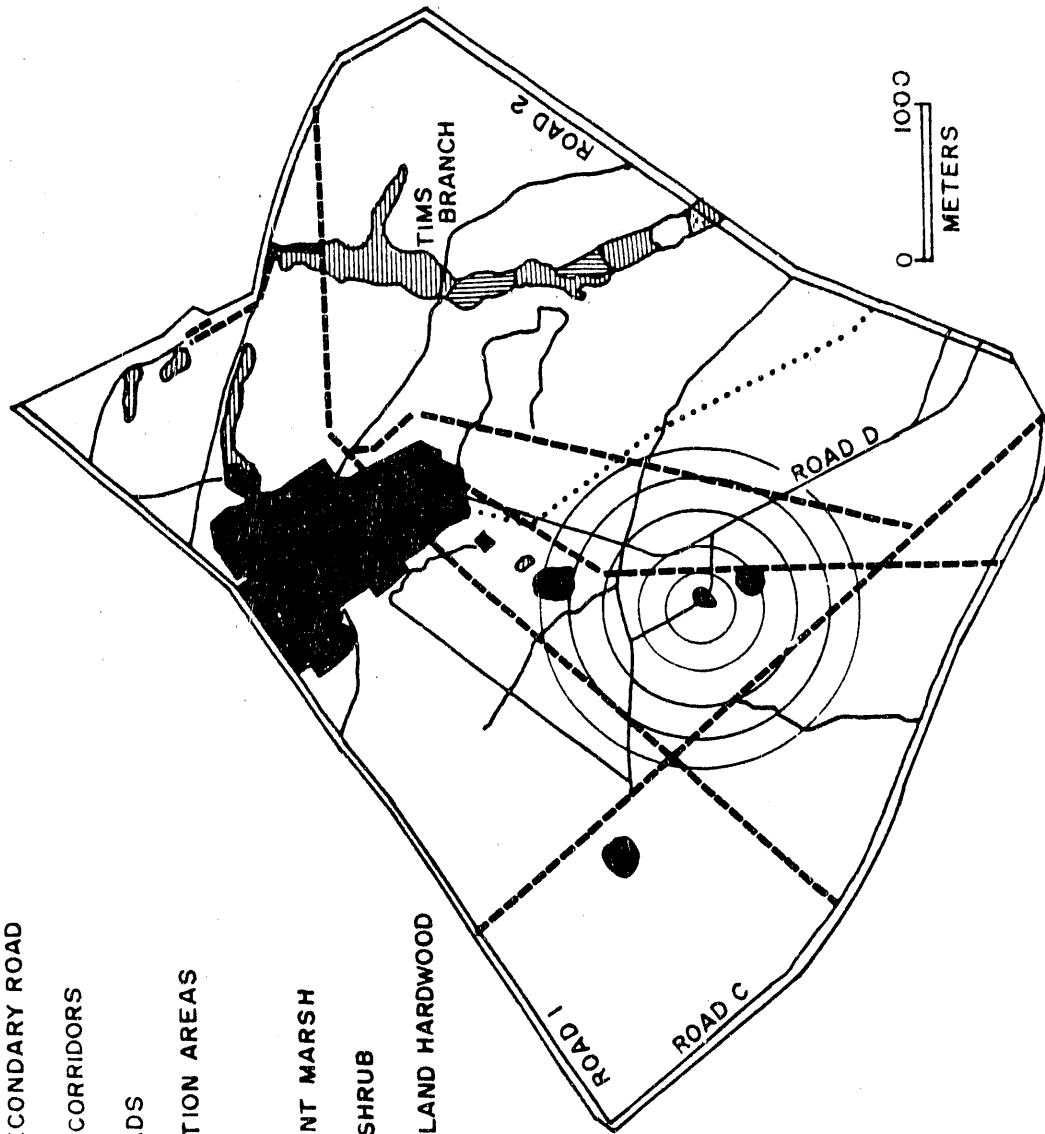


Figure 9. Wetlands Within 1000 Meters of Waste Site 731-1A, A-Area Burning/Rubble Pit

SITE 731-A

- LEGEND**
- WASTE SITE
  - MAIN/SECONDARY ROAD
  - - - UTILITY CORRIDORS
  - ⋯ RAILROADS
  - PRODUCTION AREAS
  - WATER
  - ▨ EMERGENT MARSH
  - ▧ SCRUB/SHRUB
  - ▩ BOTTOMLAND HARDWOOD

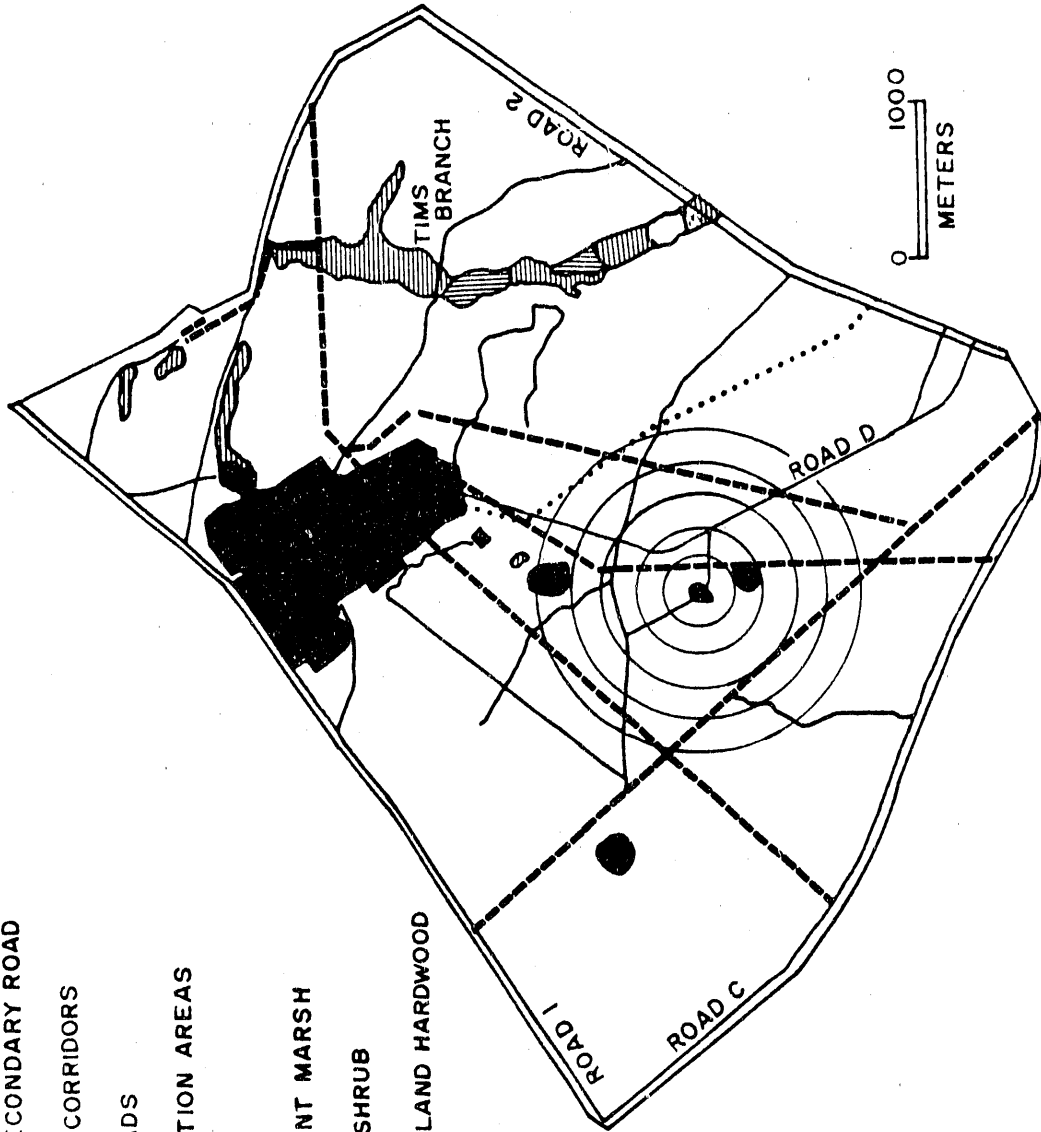


Figure 10. Wetlands Within 1000 Meters of Waste Site 731-A, A-Area Burning/Rubble Pit

SITE 731-5A

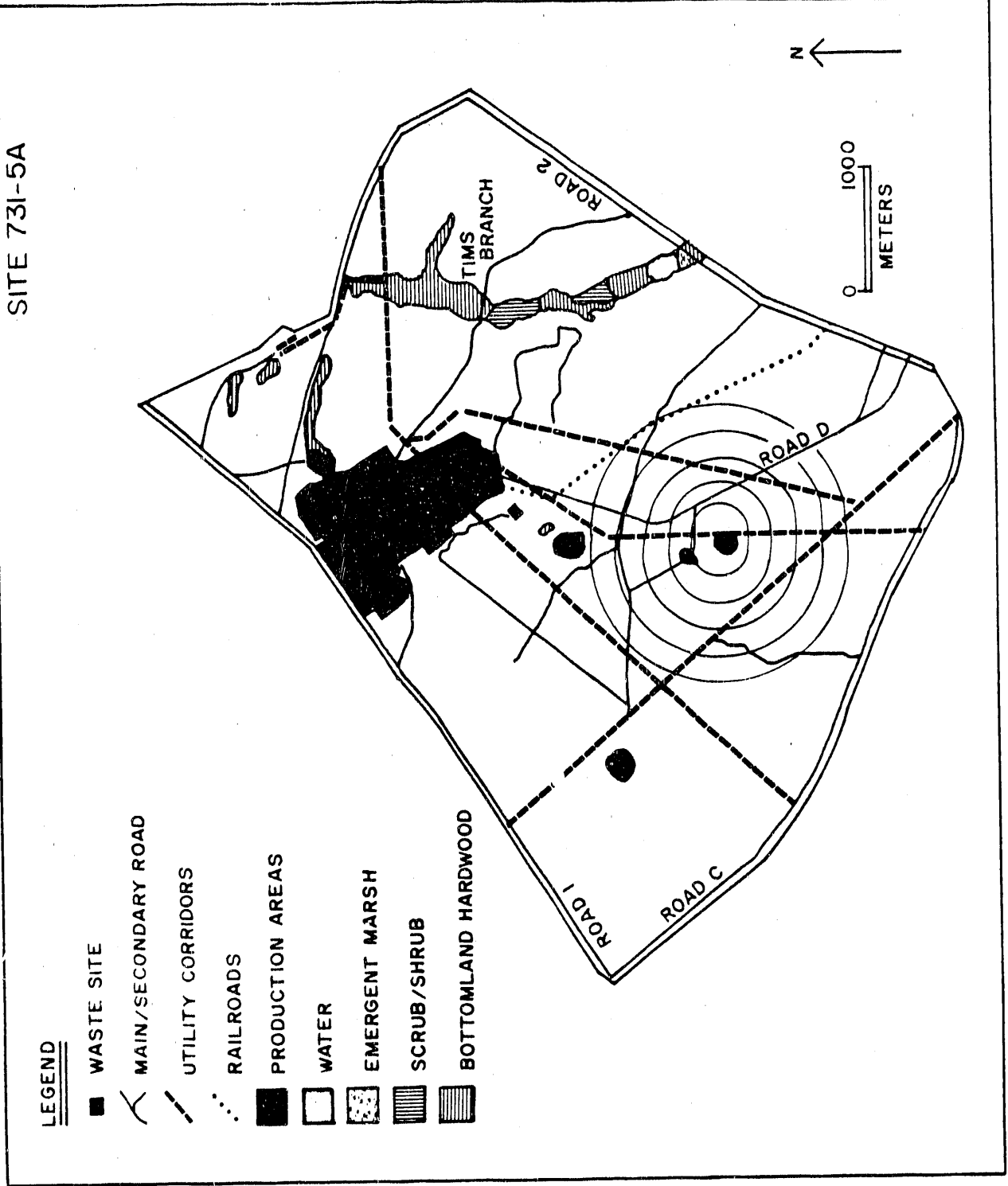


Figure 11. Wetlands Within 1000 Meters of Waste Site 731-5A, Miscellaneous Chemical Basin



SITE 731-4A

LEGEND

- WASTE SITE
- MAIN/SECONDARY ROAD
- - - UTILITY CORRIDORS
- ⋯ RAILROADS
- PRODUCTION AREAS
- WATER
- ▨ EMERGENT MARSH
- ▩ SCRUB / SHRUB
- ▧ BOTTOMLAND HARDWOOD

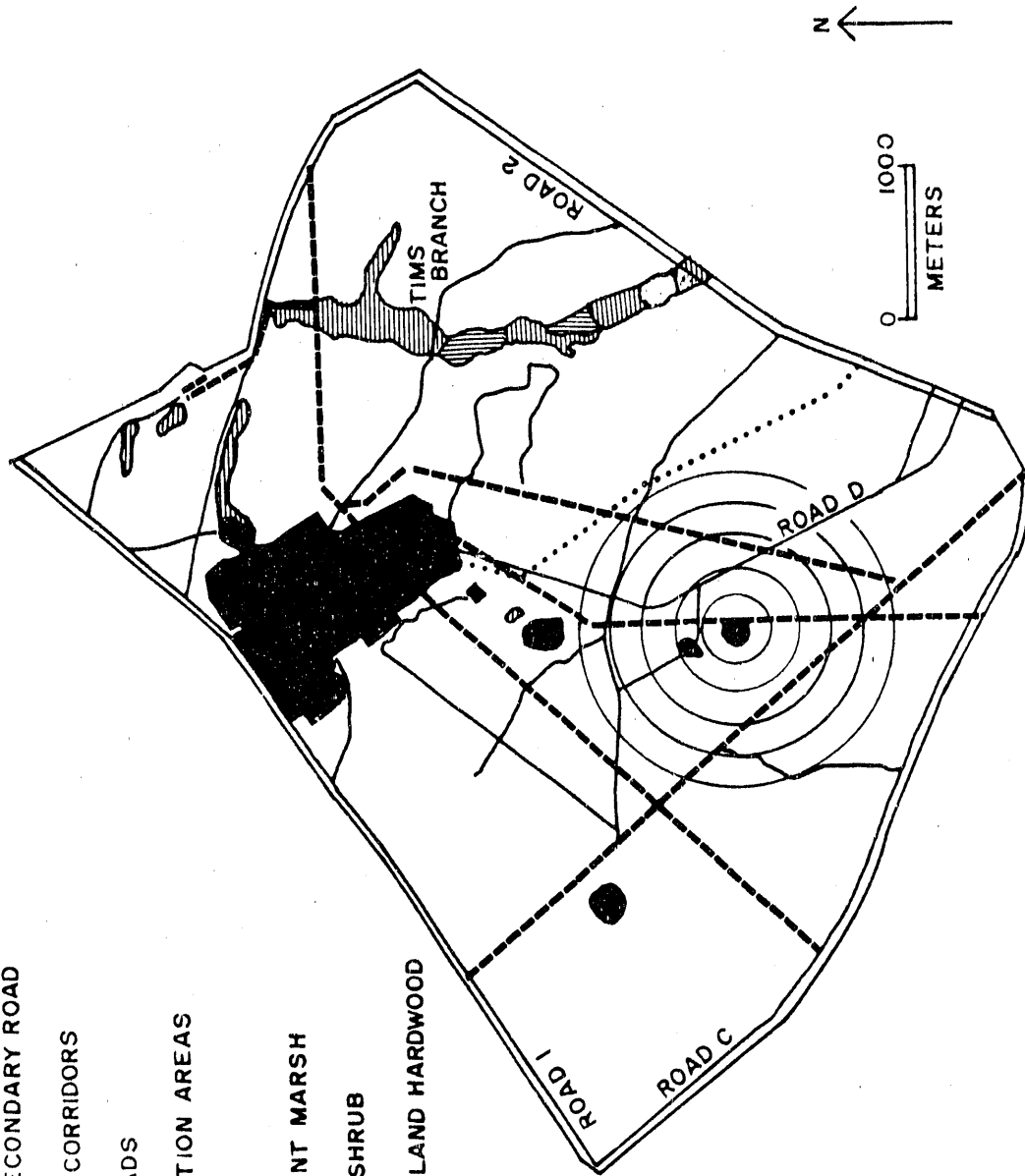


Figure 12. Wetlands Within 1000 Meters of Waste Site 731-4A, Metals Burning Pit

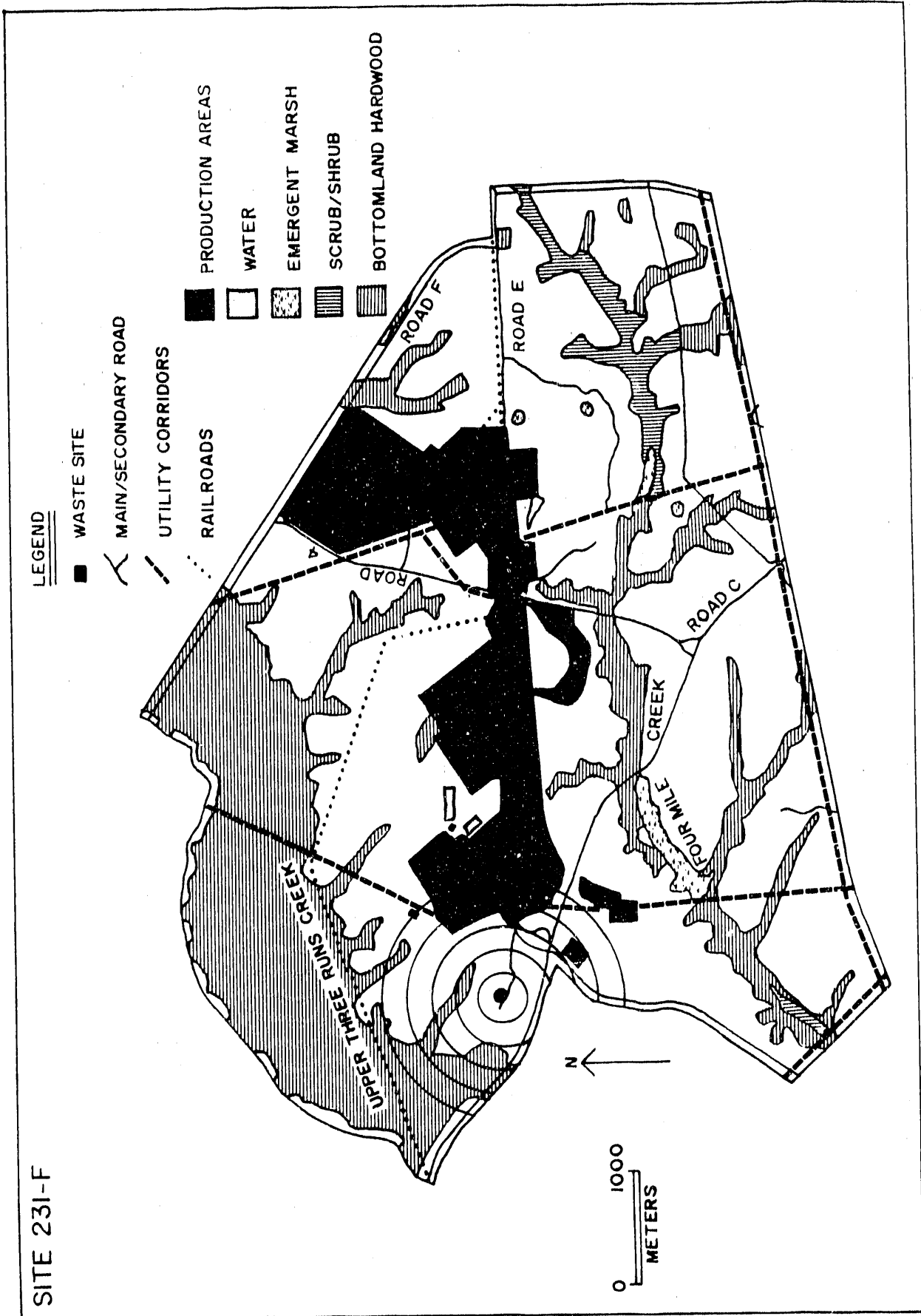


Figure 13. Wetlands Within 1000 Meters of Waste Site 231-F, F-Area Burning/Rubble Pit

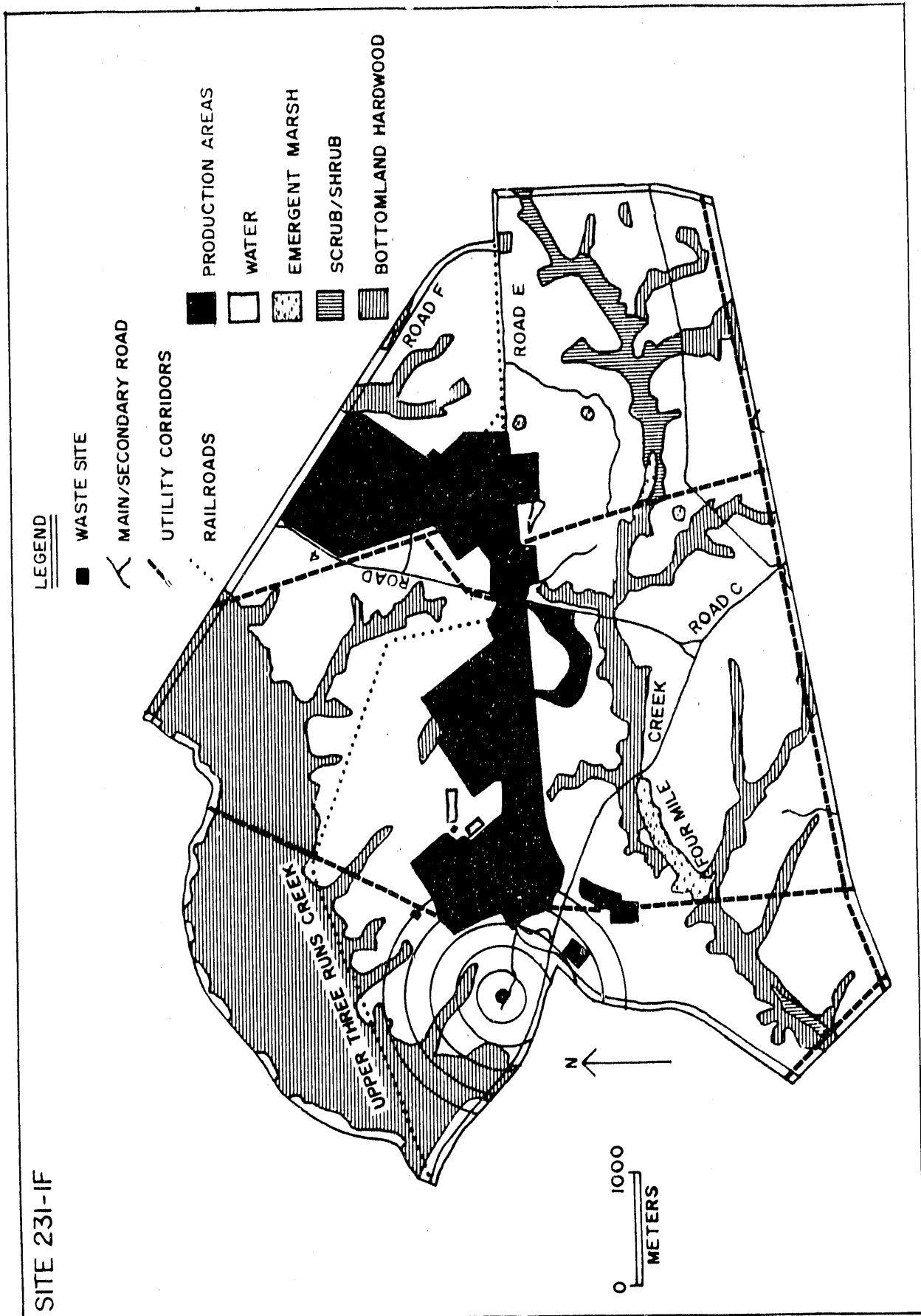


Figure 14. Wetlands Within 1000 Meters of Waste Site 231-IF, F-Area Burning/Rubble Pit

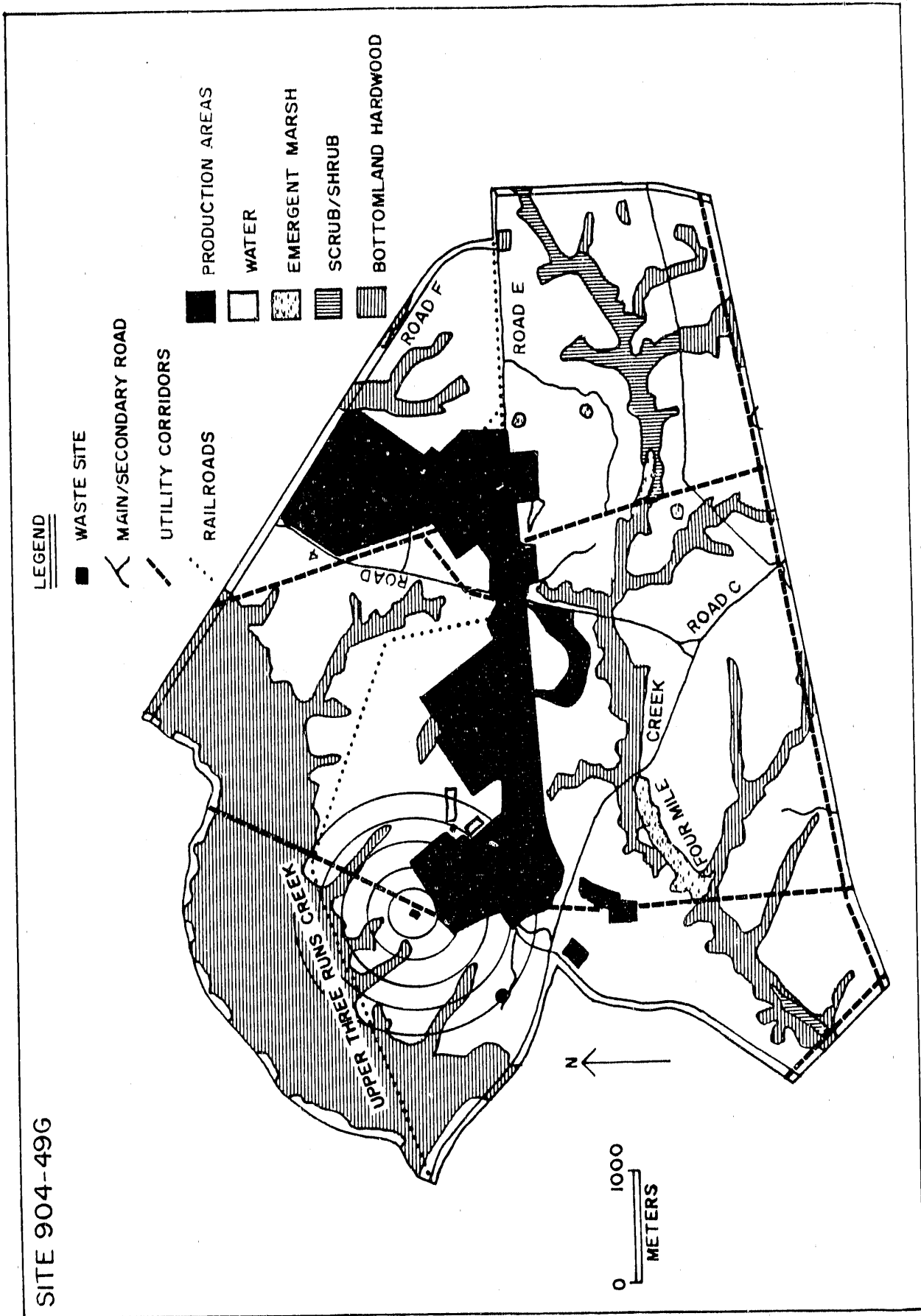


Figure 15. Wetlands Within 1000 Meters of Waste Site 904-49G, F-Area Seepage Basin (Old)

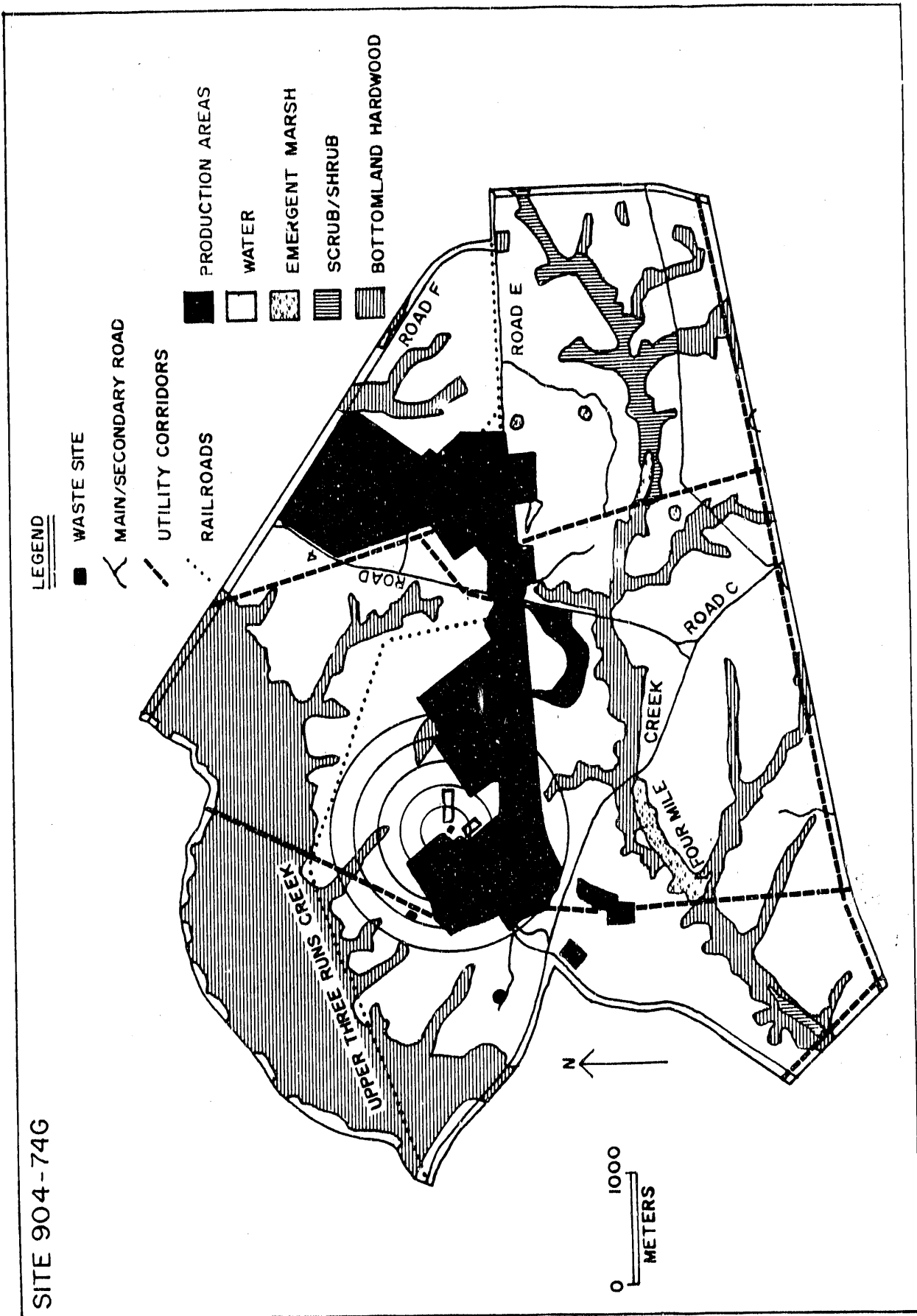


Figure 16. Wetlands Within 1000 Meters of Waste Site 904-74G, F-Area Acid/Caustic Basin

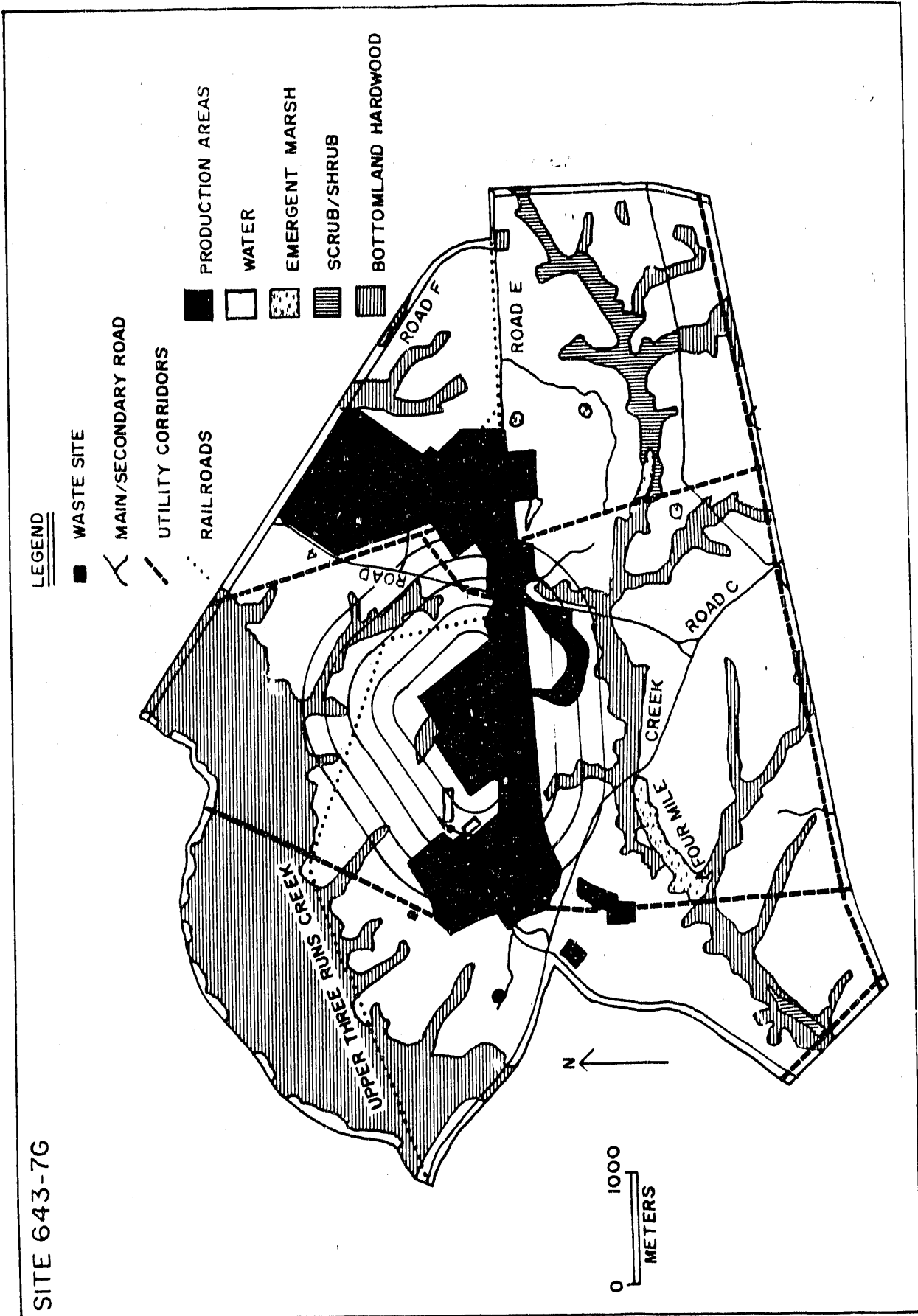


Figure 17. Wetlands Within 1000 Meters of Waste Site 643-7G, Radioactive Waste Burial Ground

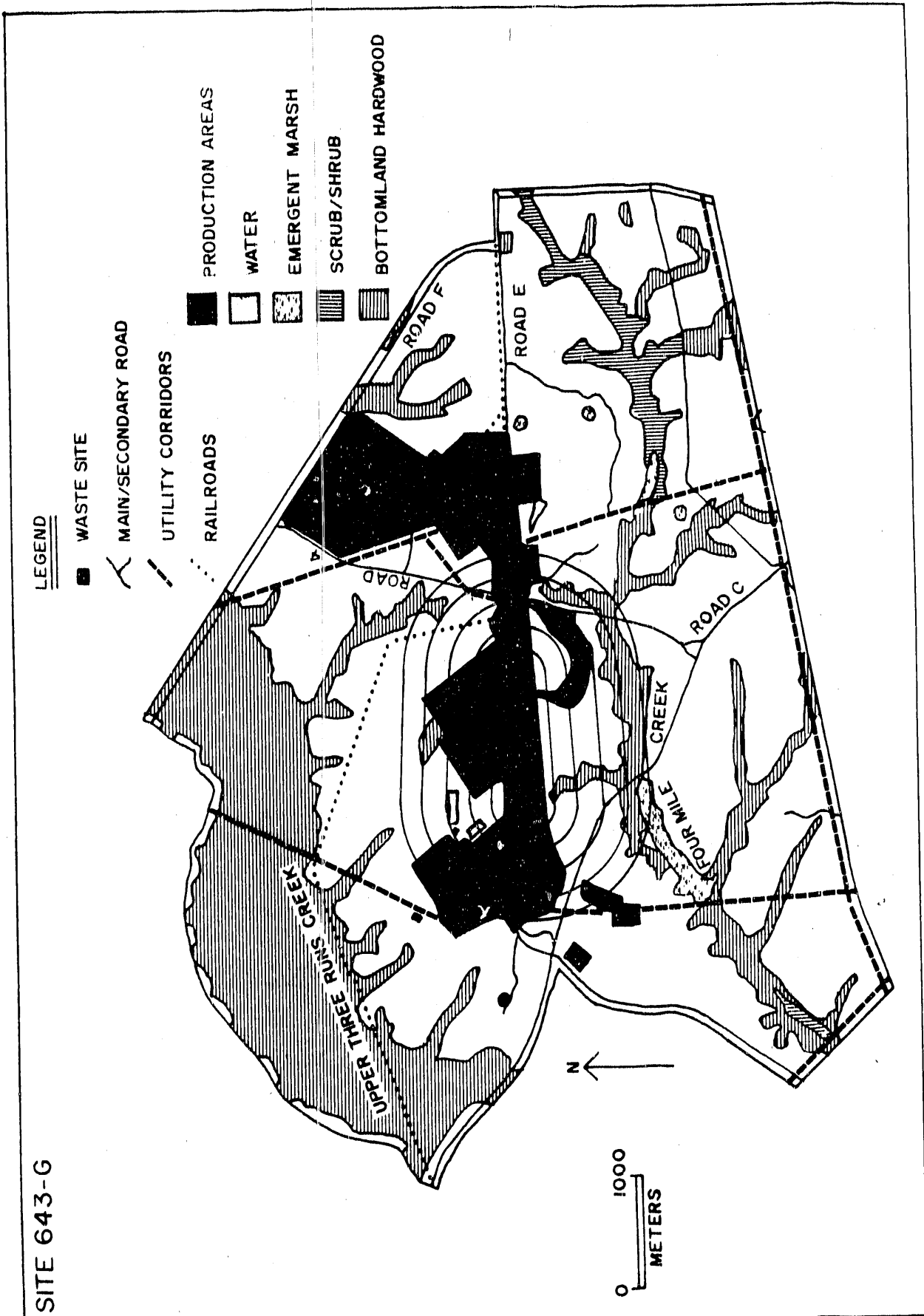


Figure 18. Wetlands Within 1000 Meters of Waste Site 643-G, Radioactive Waste Burial Ground

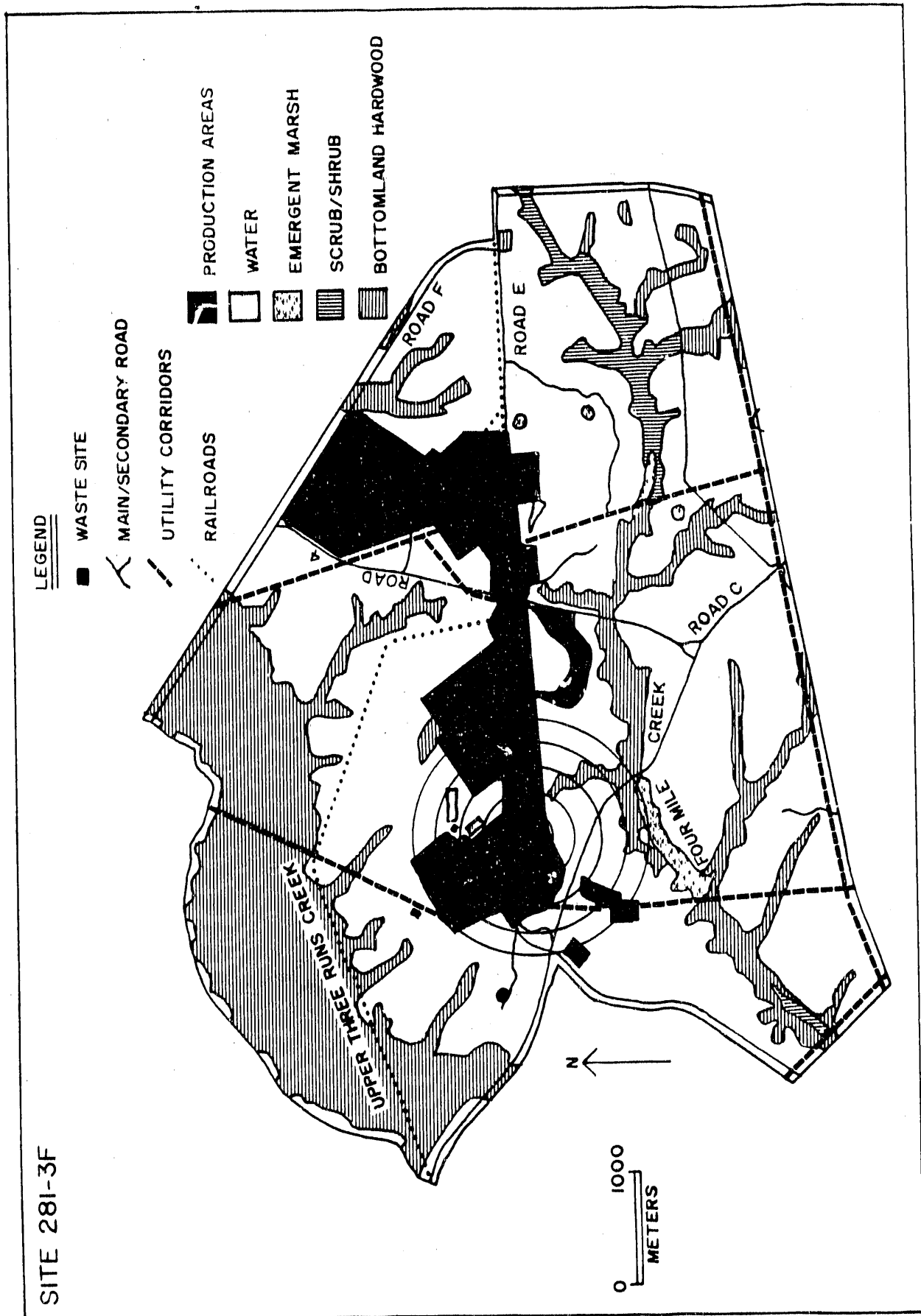


Figure 19. Wetlands Within 1000 Meters of Waste Site 281-3F, F-Area Retention Basin



SITE 904-75G

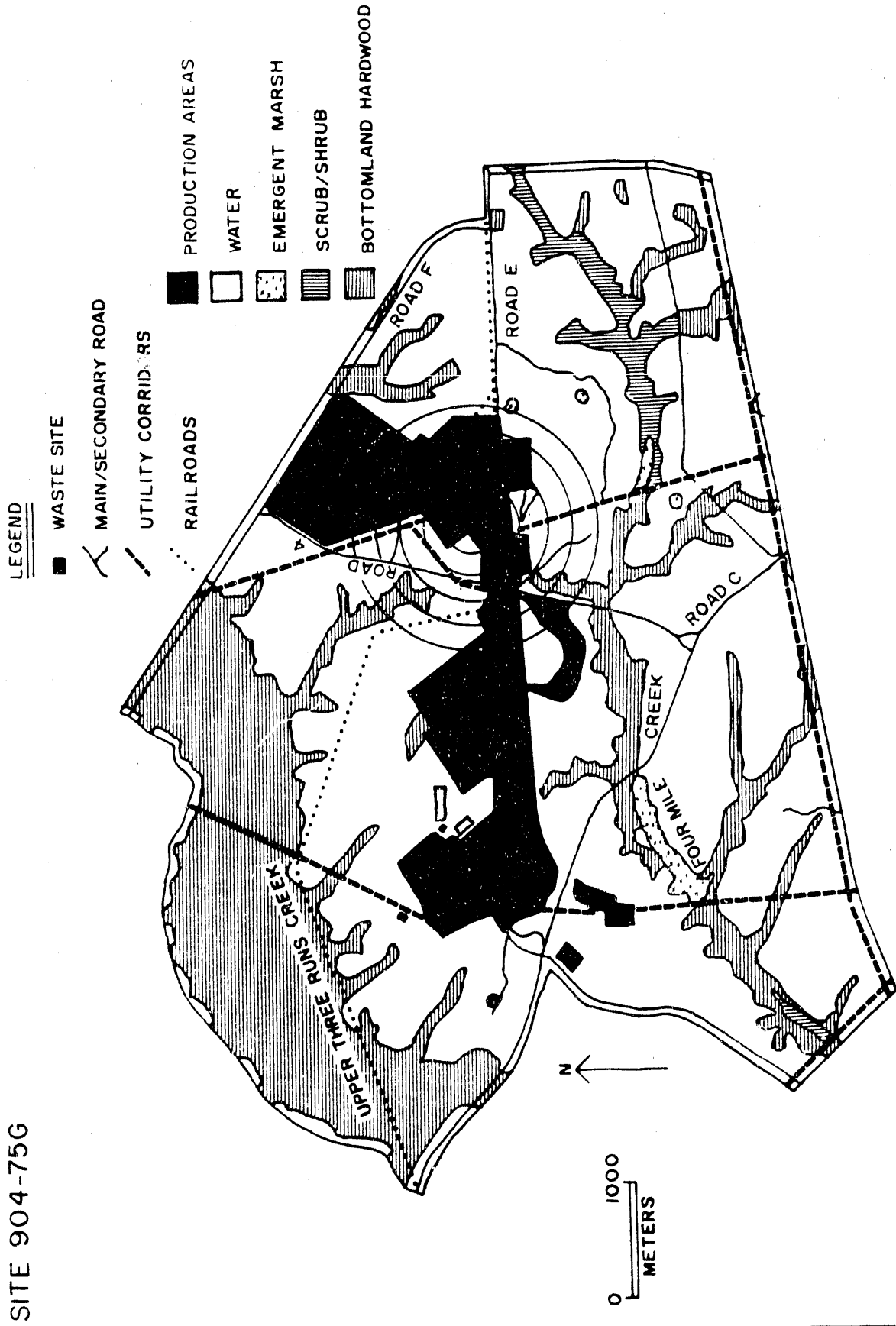


Figure 20. Wetlands Within 1000 Meters of Waste Site 904-75G, II-Area Acid/Caustic Basin

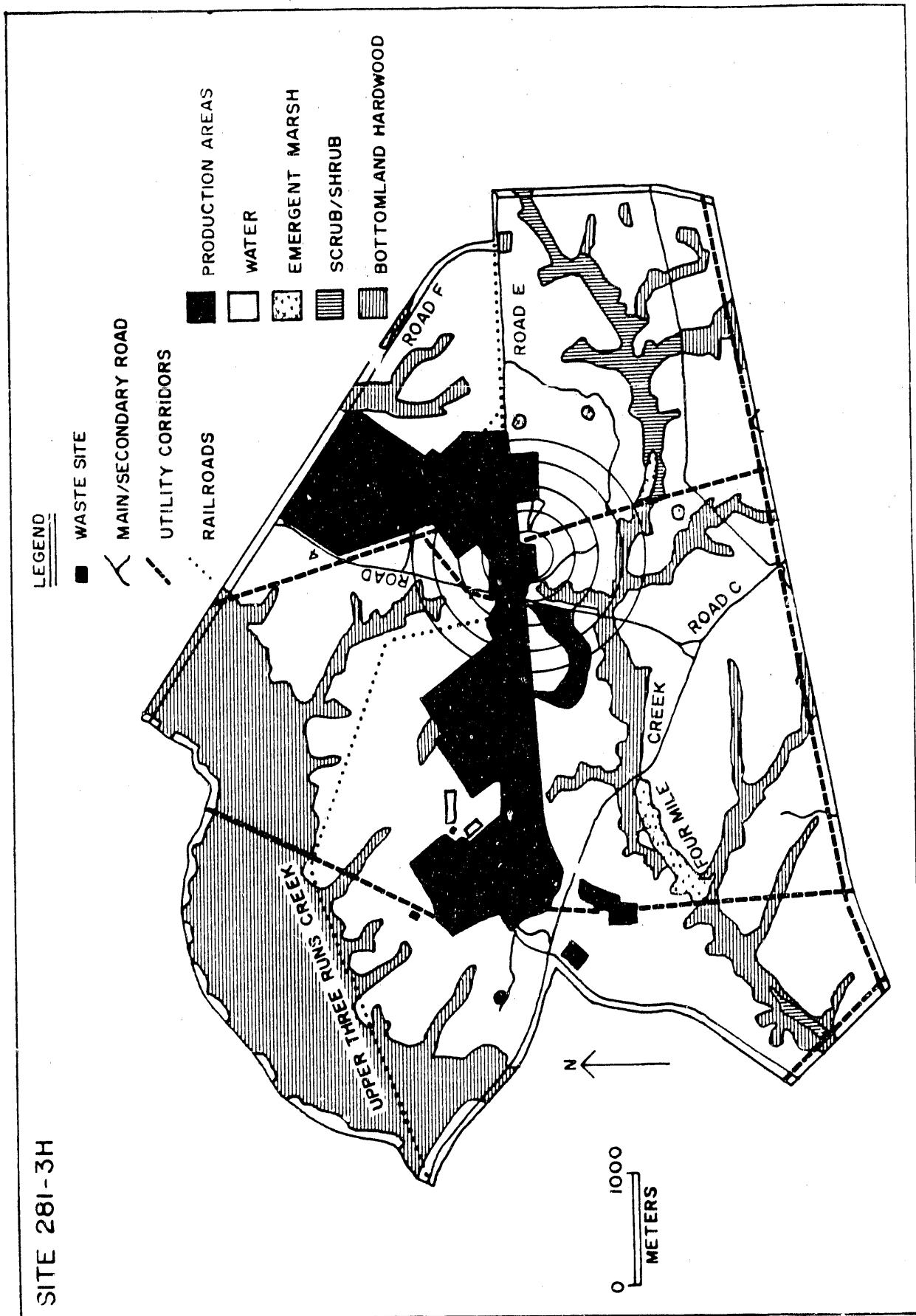


Figure 21. Wetlands Within 1000 Meters of Waste Site 281-3H, II-Area Retention Basin

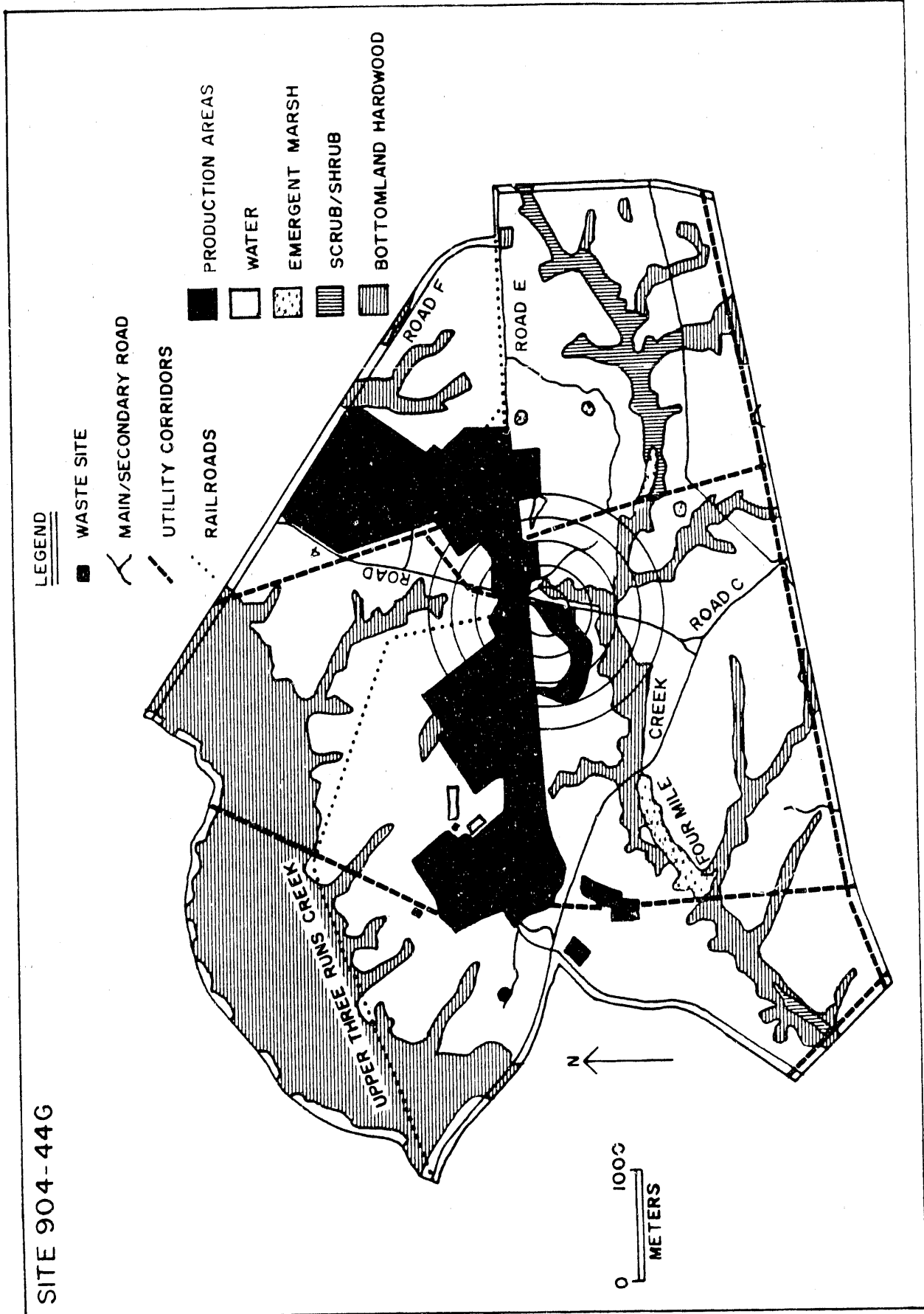


Figure 22. Wetlands Within 1000 Meters of Waste Site 904-44G, H-Area Seepage Basin

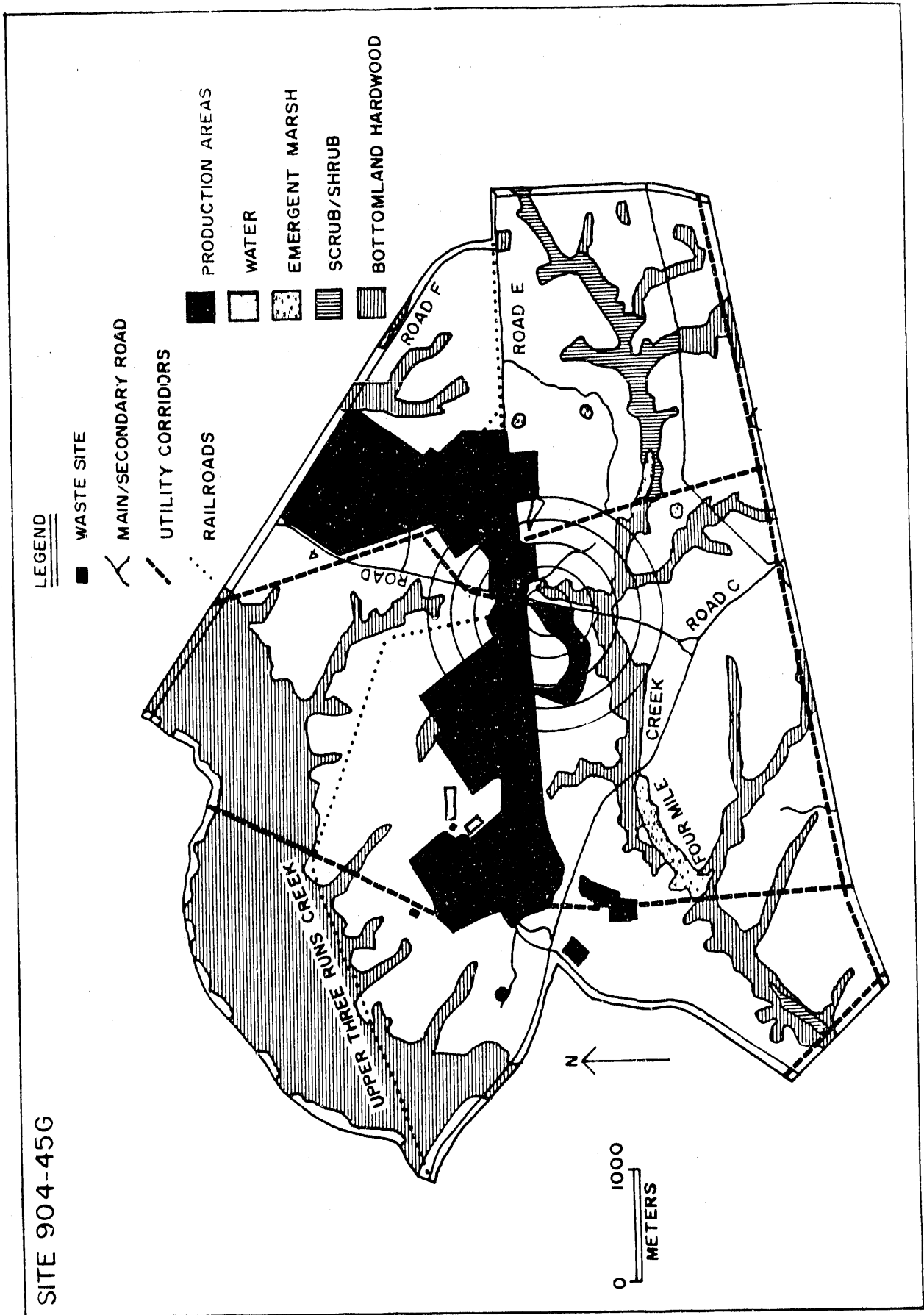


Figure 23. Wetlands Within 1000 Meters of Waste Site 904-45G, H-Area Seepage Basin

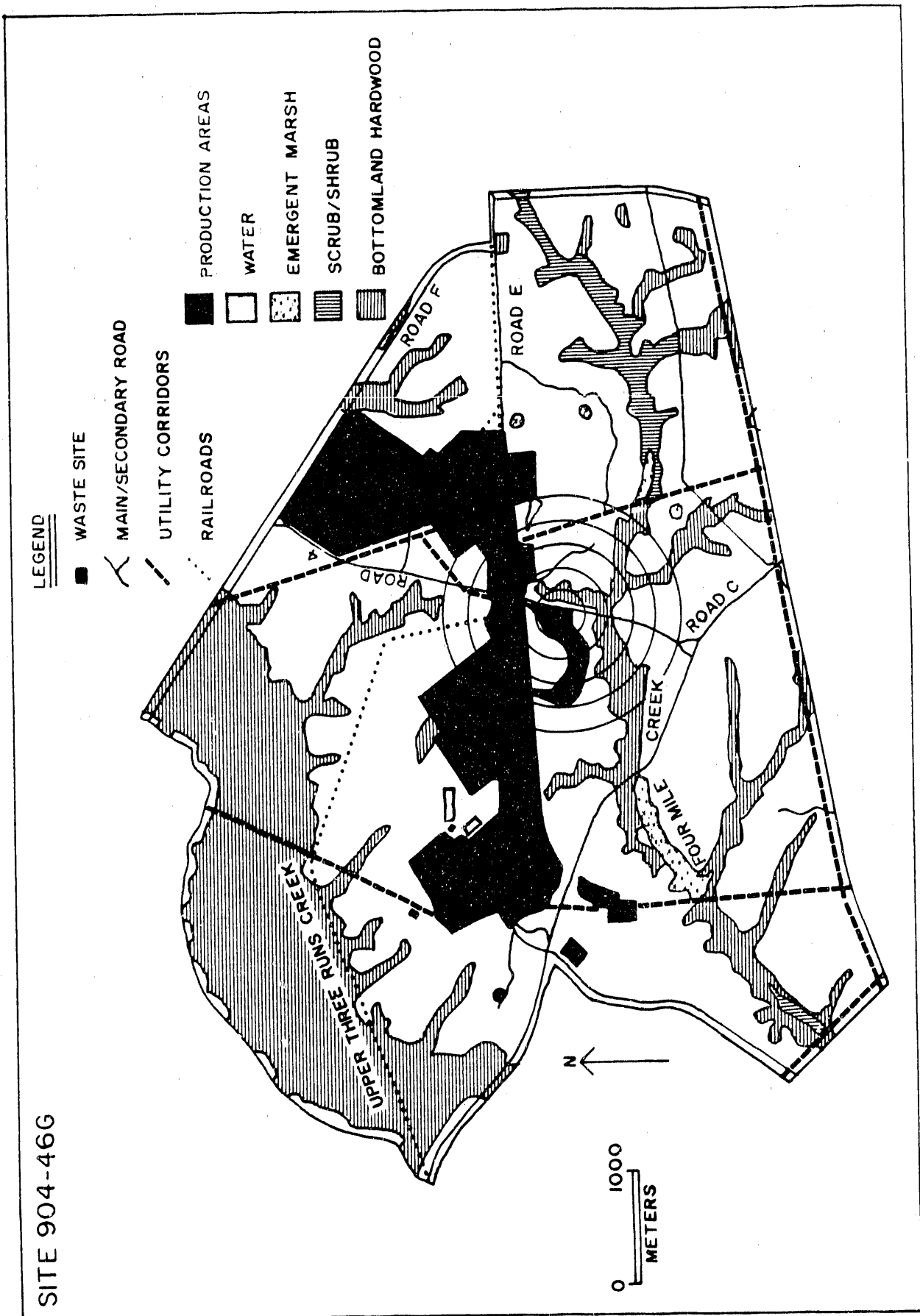


Figure 24. Wetlands Within 1000 Meters of Waste Site 904-46G, II-Area Seepage Basin

SITE 904-56G

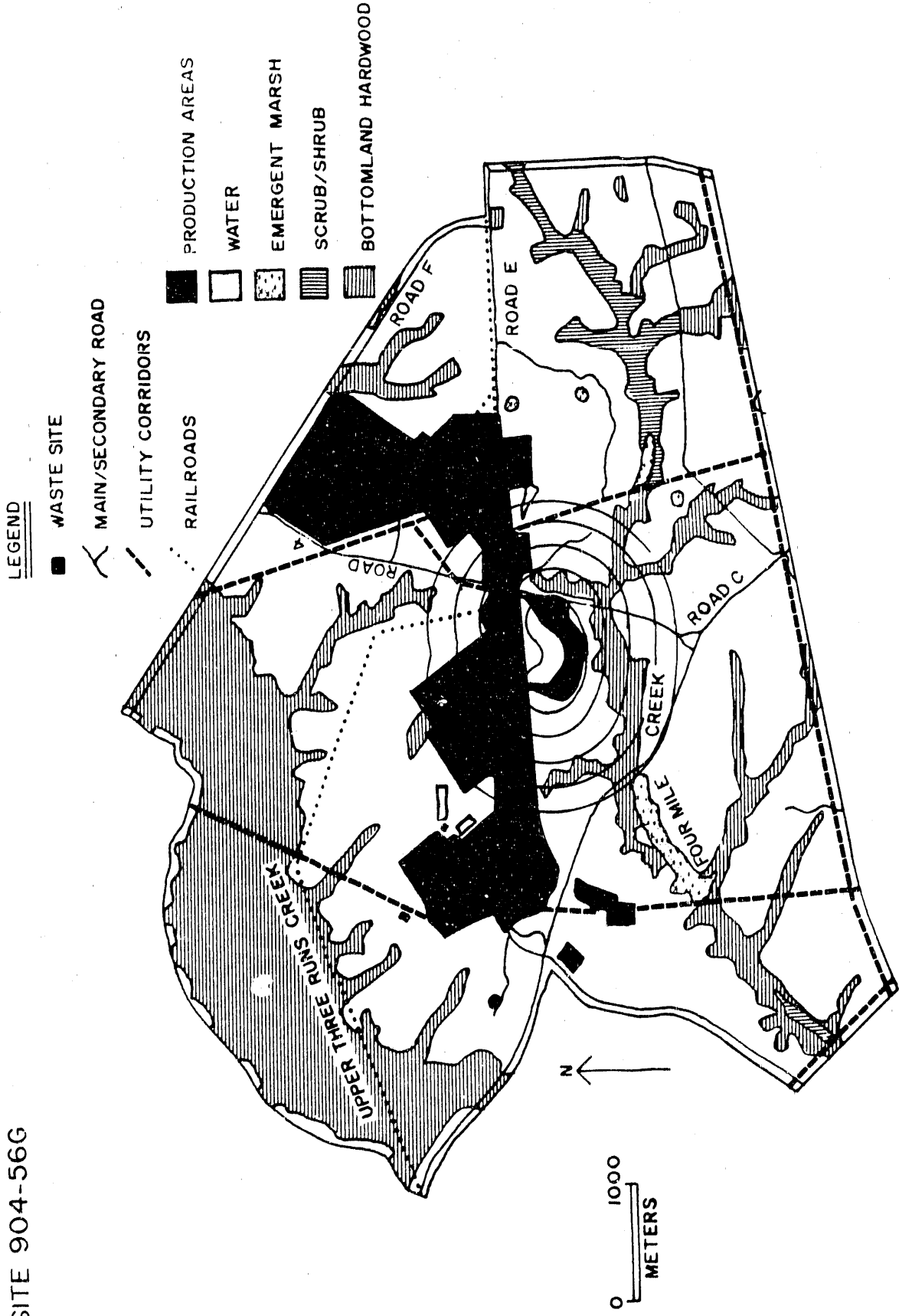


Figure 25. Wetlands Within 1000 Meters of Waste Site 904-56G, H-Area Seepage Basin

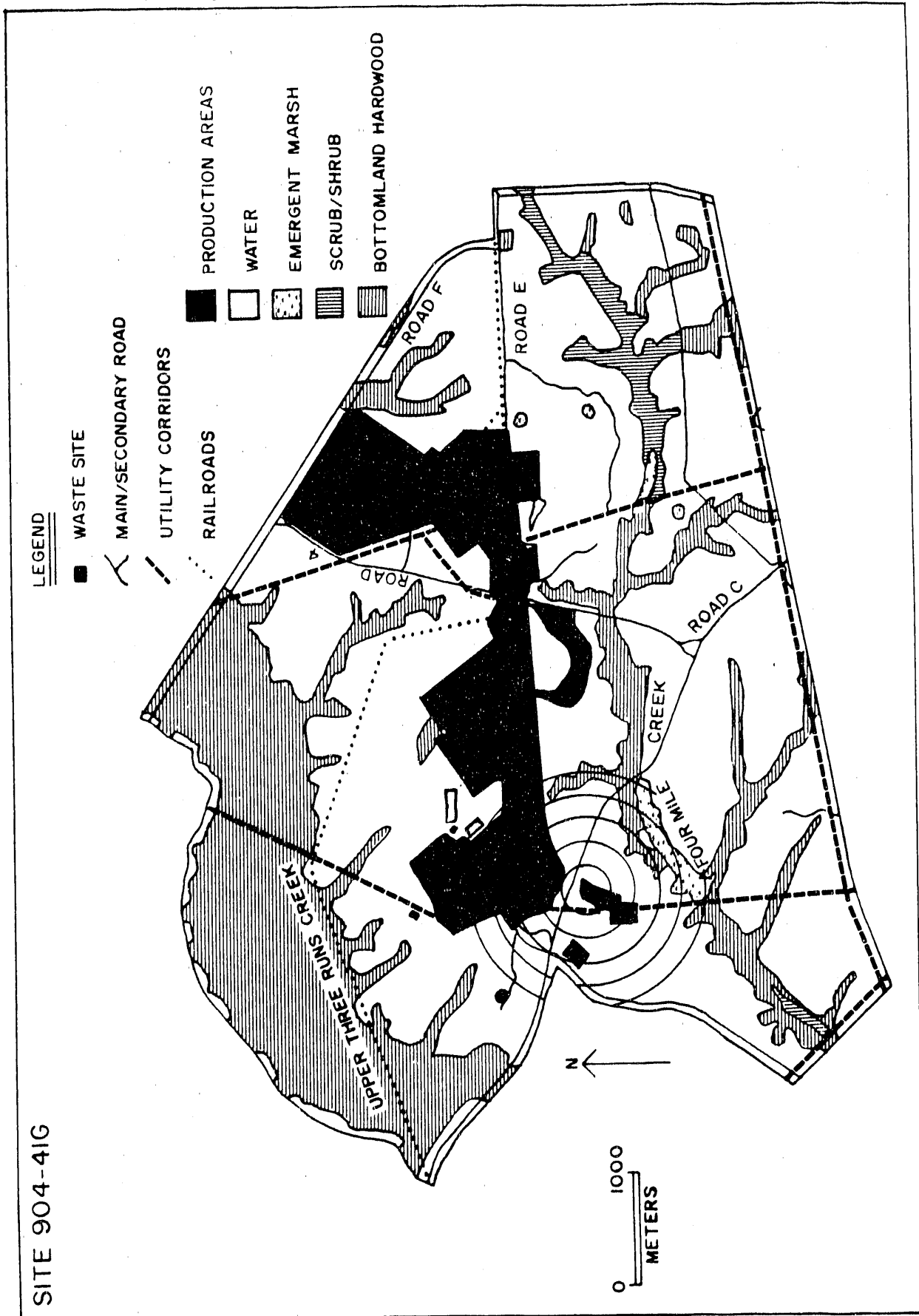


Figure 26. Wetlands Within 1000 Meters of Waste Site 904-41G, F-Area Seepage Basin

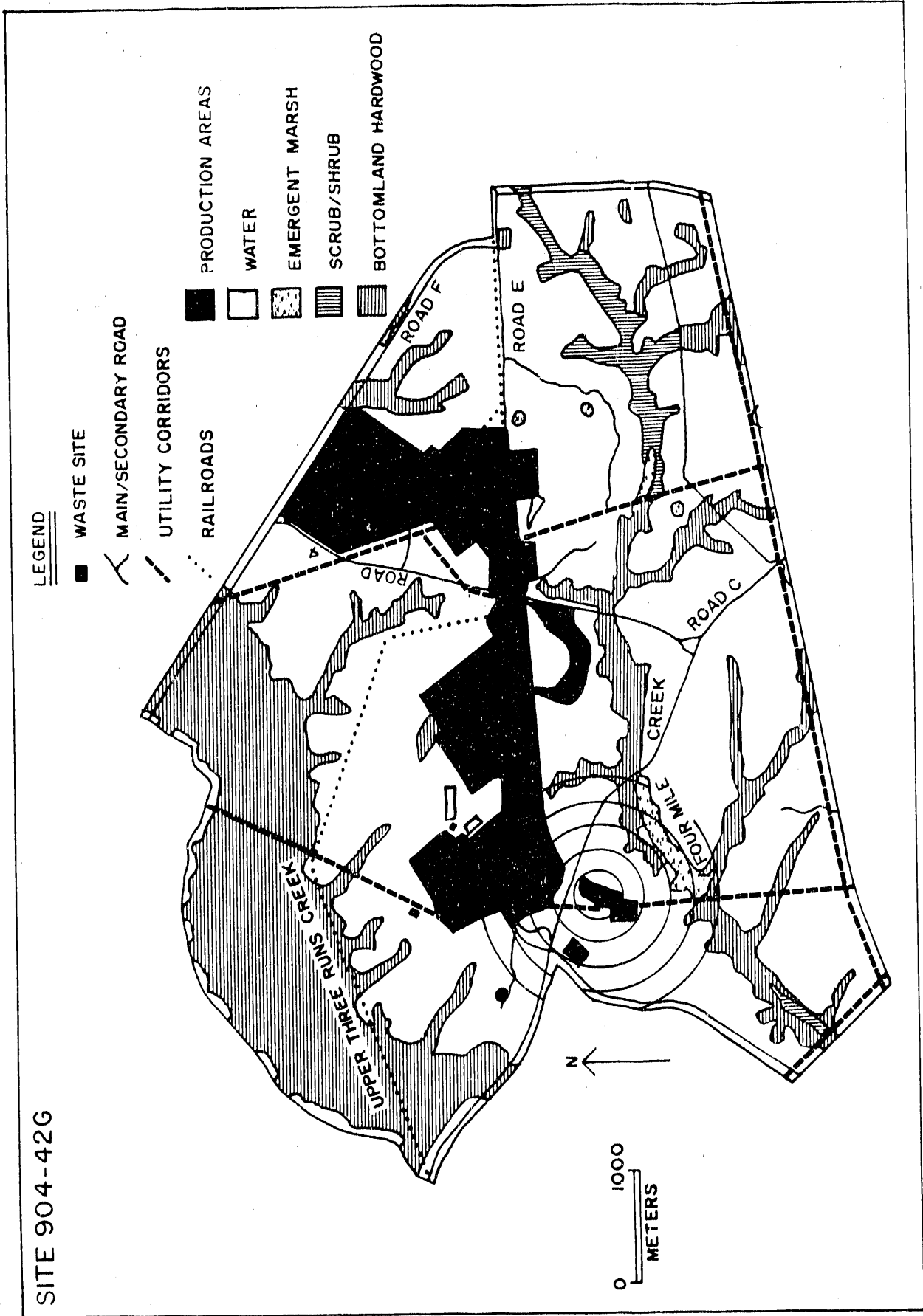


Figure 27. Wetlands Within 1000 Meters of Waste Site 904-42G, F-Area Seepage Basin



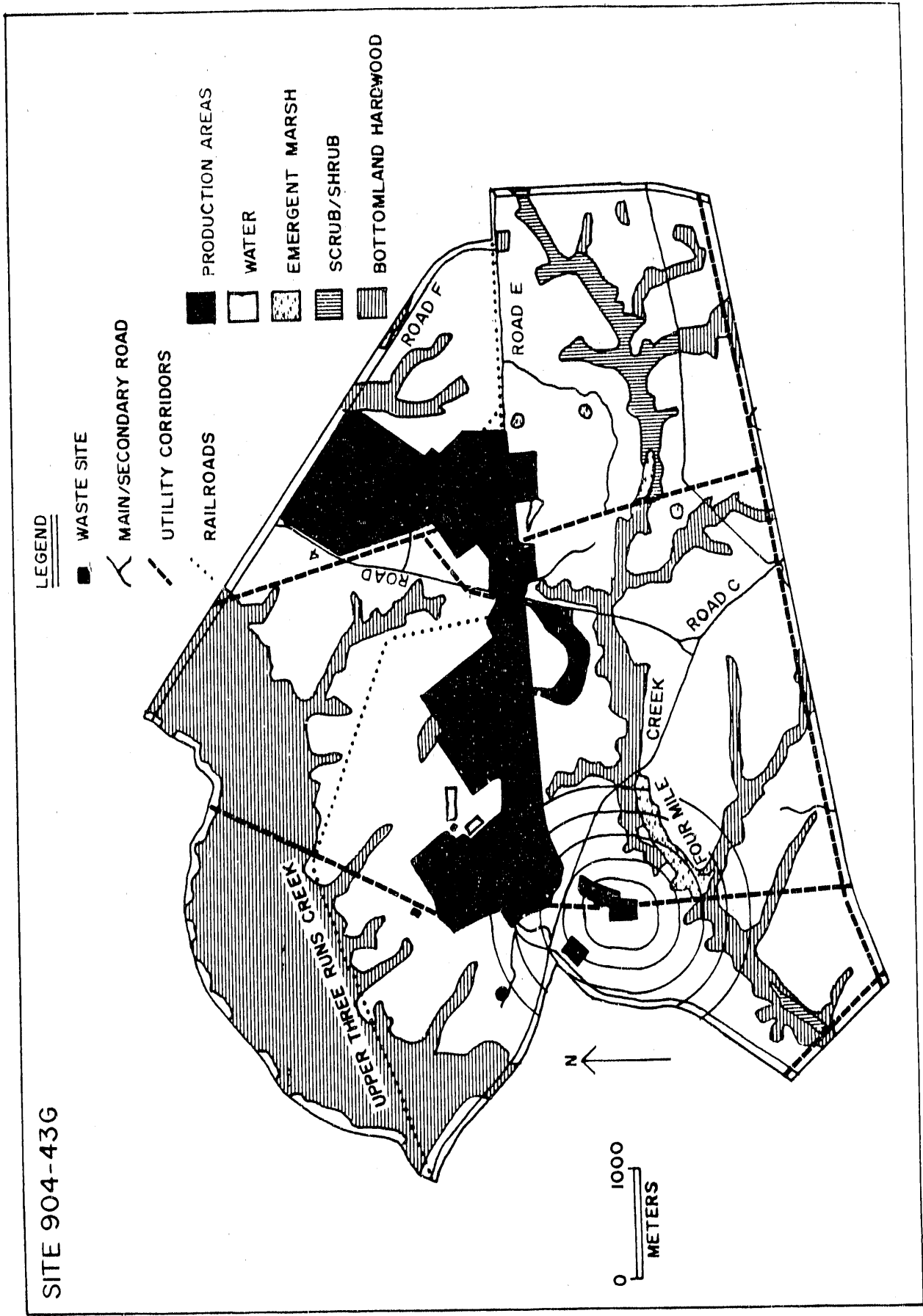


Figure 28. Wetlands Within 1000 Meters of Waste Site 904-43G, F-Area Seepage Basin

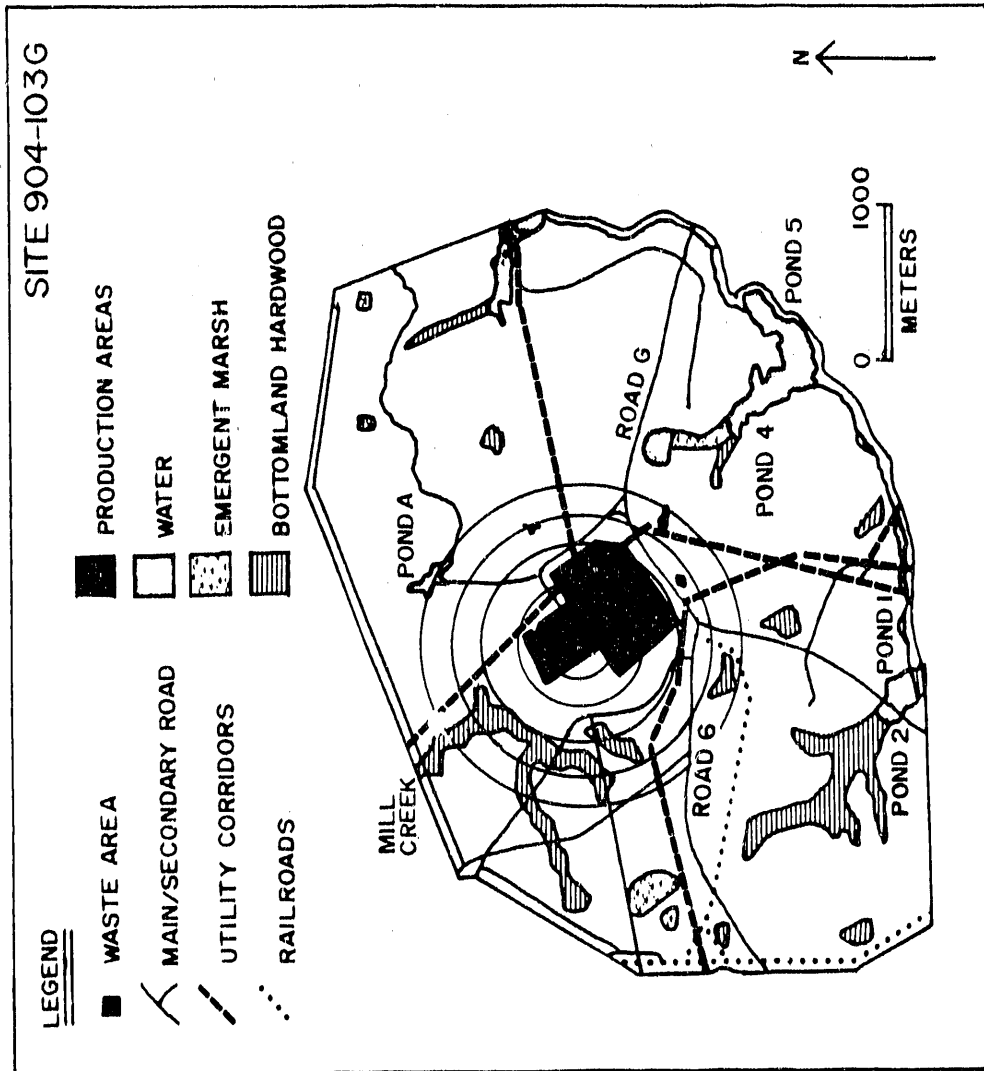


Figure 29. Wetlands Within 1000 Meters of Waste Site 904-103G, R-Area Seepage Basin

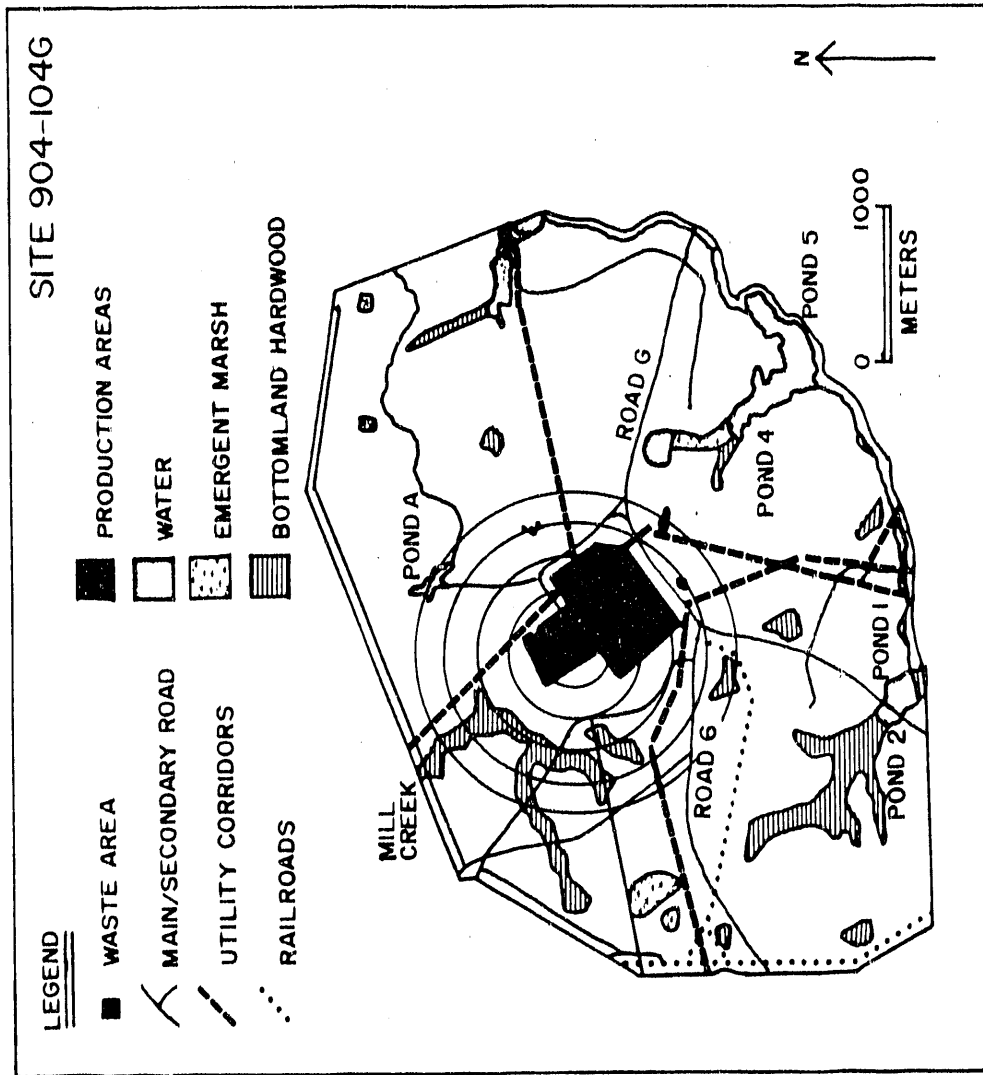


Figure 30. Wetlands Within 1000 Meters of Waste Site 904-104G, R-Area Seepage Basin

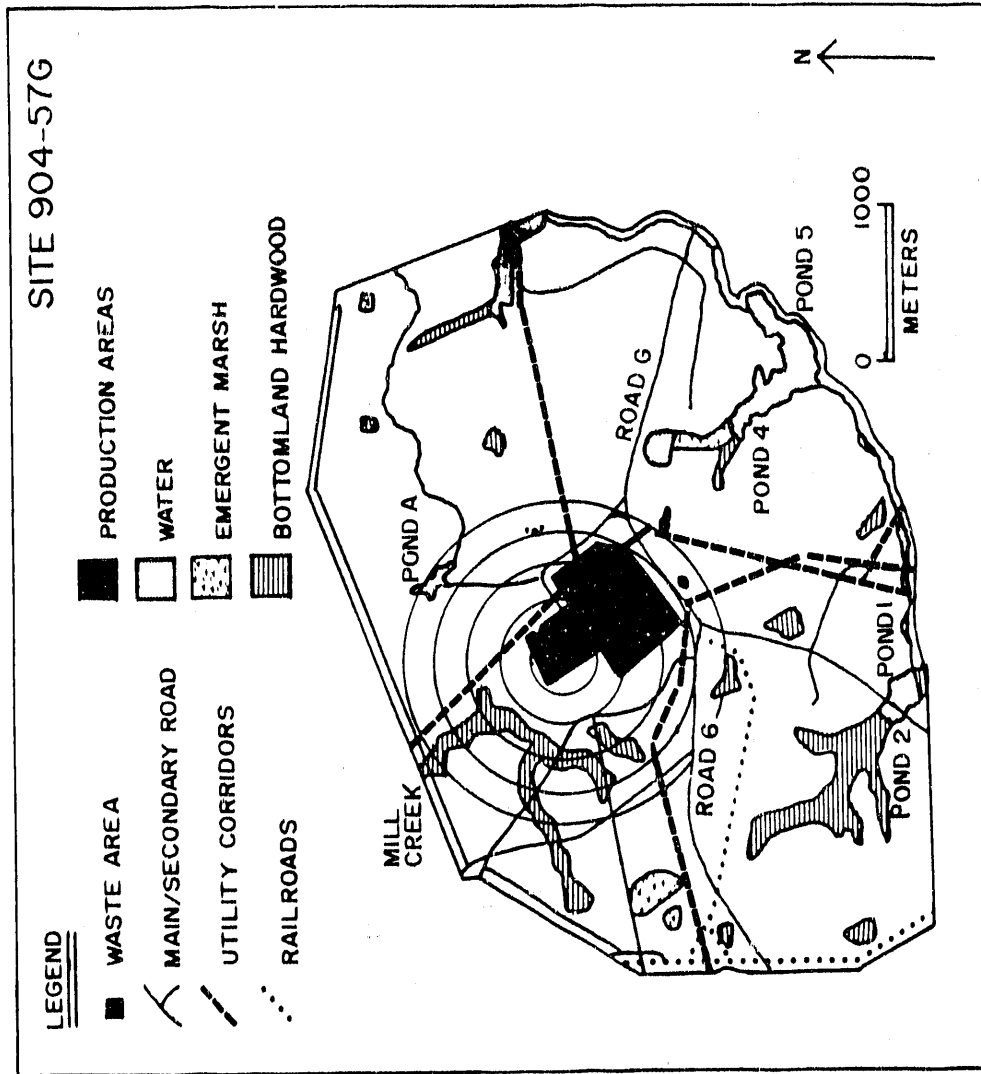


Figure 31. Wetlands Within 1000 Meters of Waste Site 904-57G, R-Area Seepage Basin

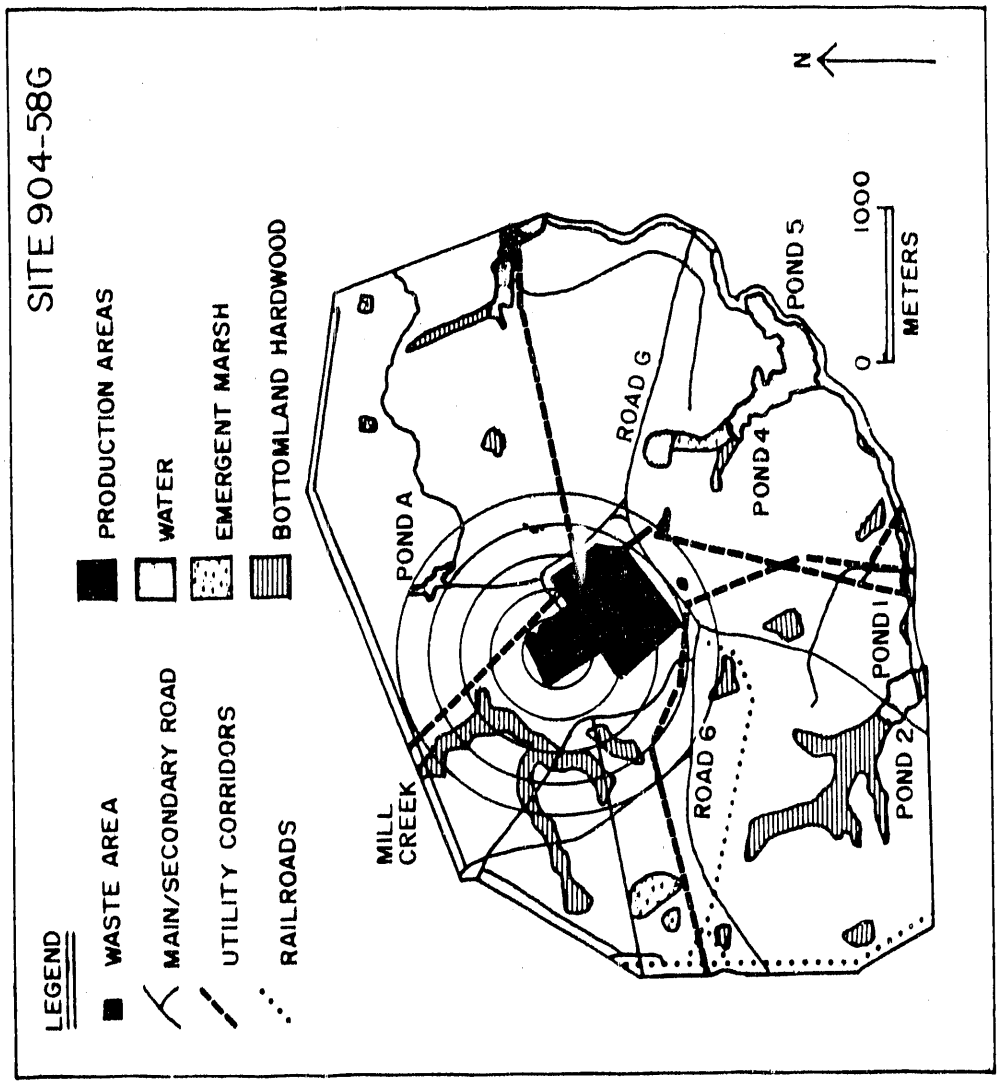


Figure 32. Wetlands Within 1000 Meters of Waste Site 904-58G, R-Area Seepage Basin

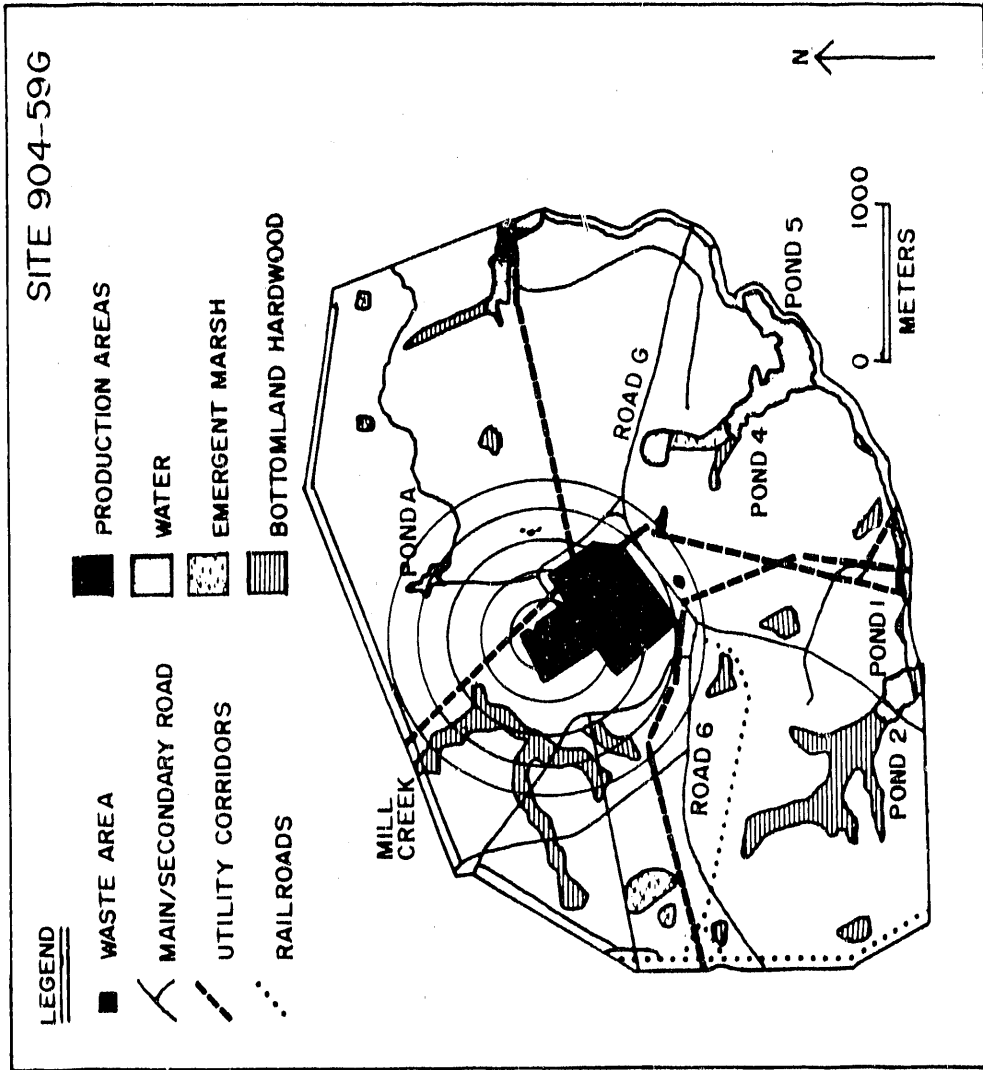


Figure 33. Wetlands Within 1000 Meters of Waste Site 904-59G, R-Area Seepage Basin

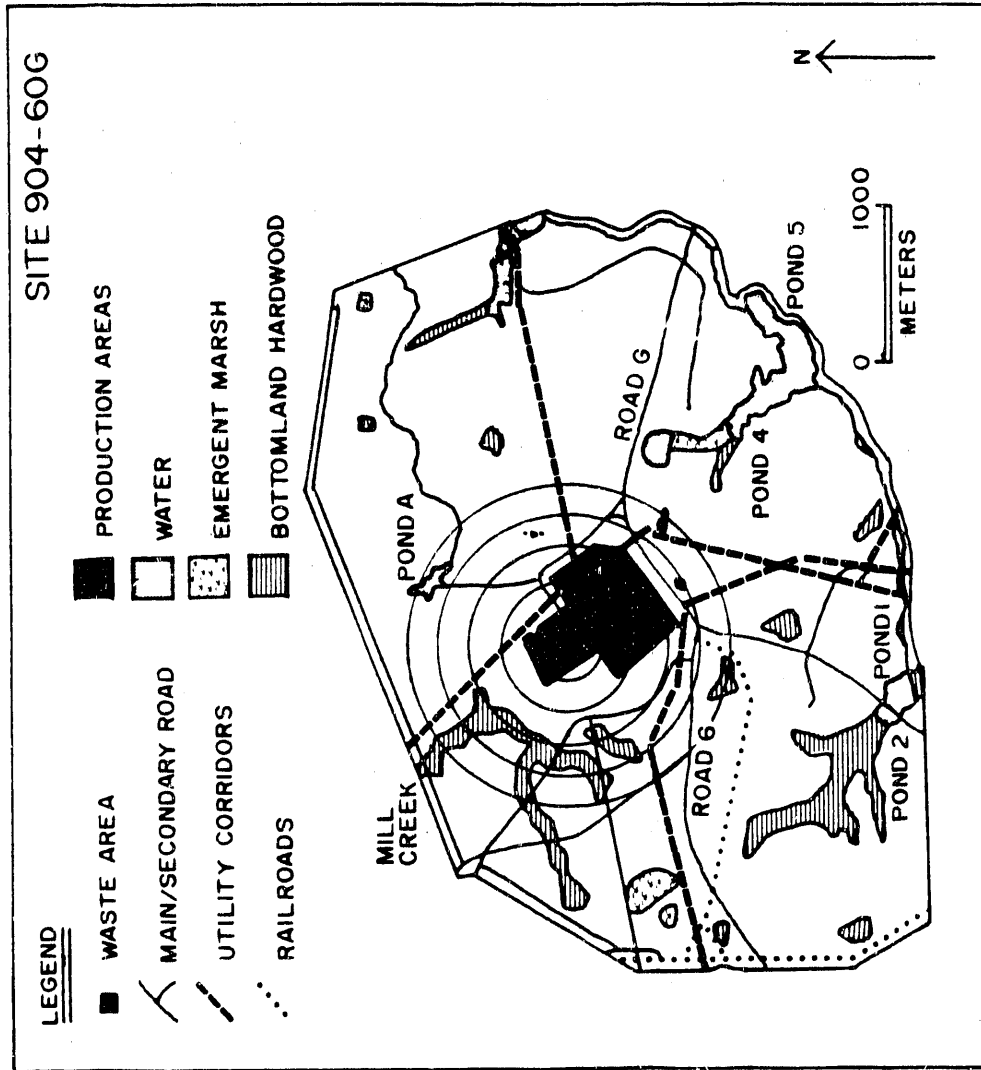


Figure 34. Wetlands Within 1000 Meters of Waste Site 904-60G, R-Area Seepage Basin

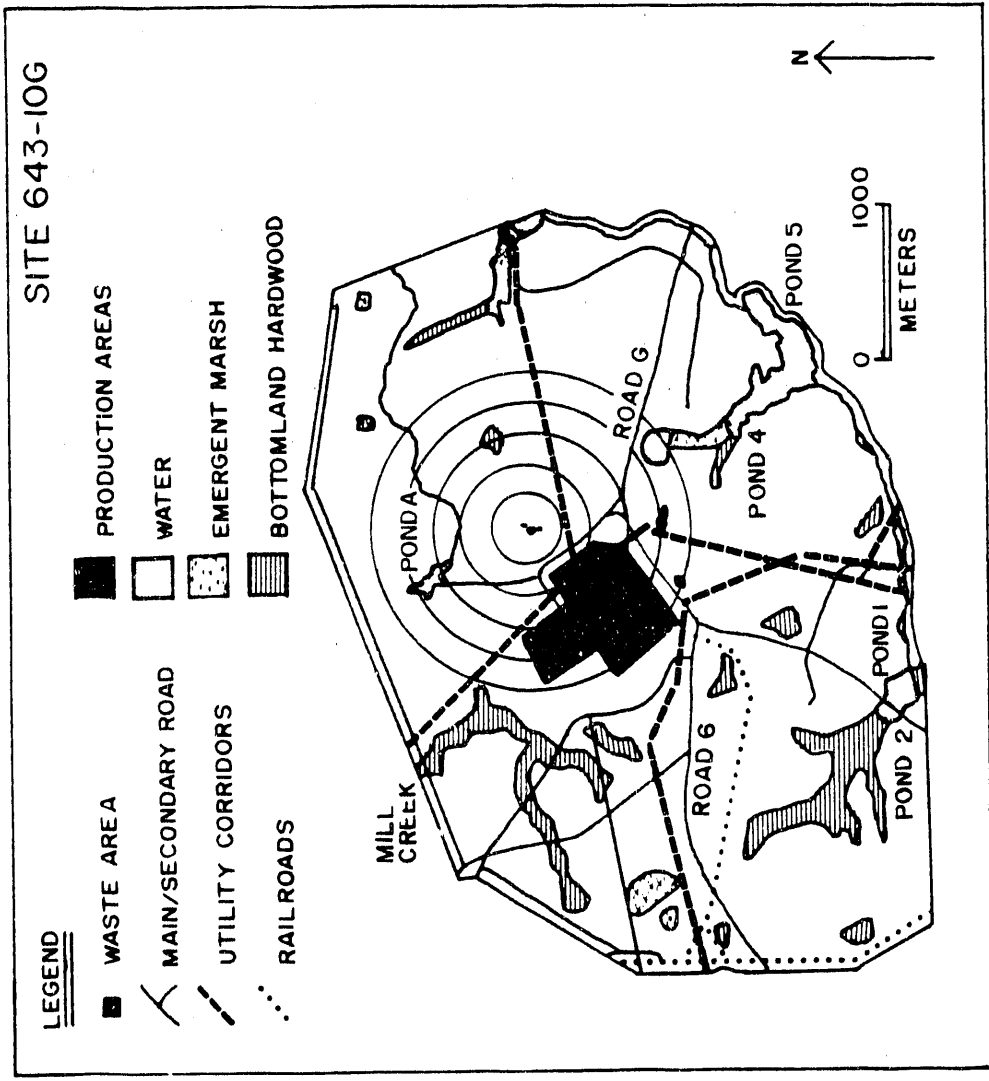


Figure 35. Wetlands Within 1000 Meters of Waste Site 643-10G, R-Area Bingham Pump Outage Pit



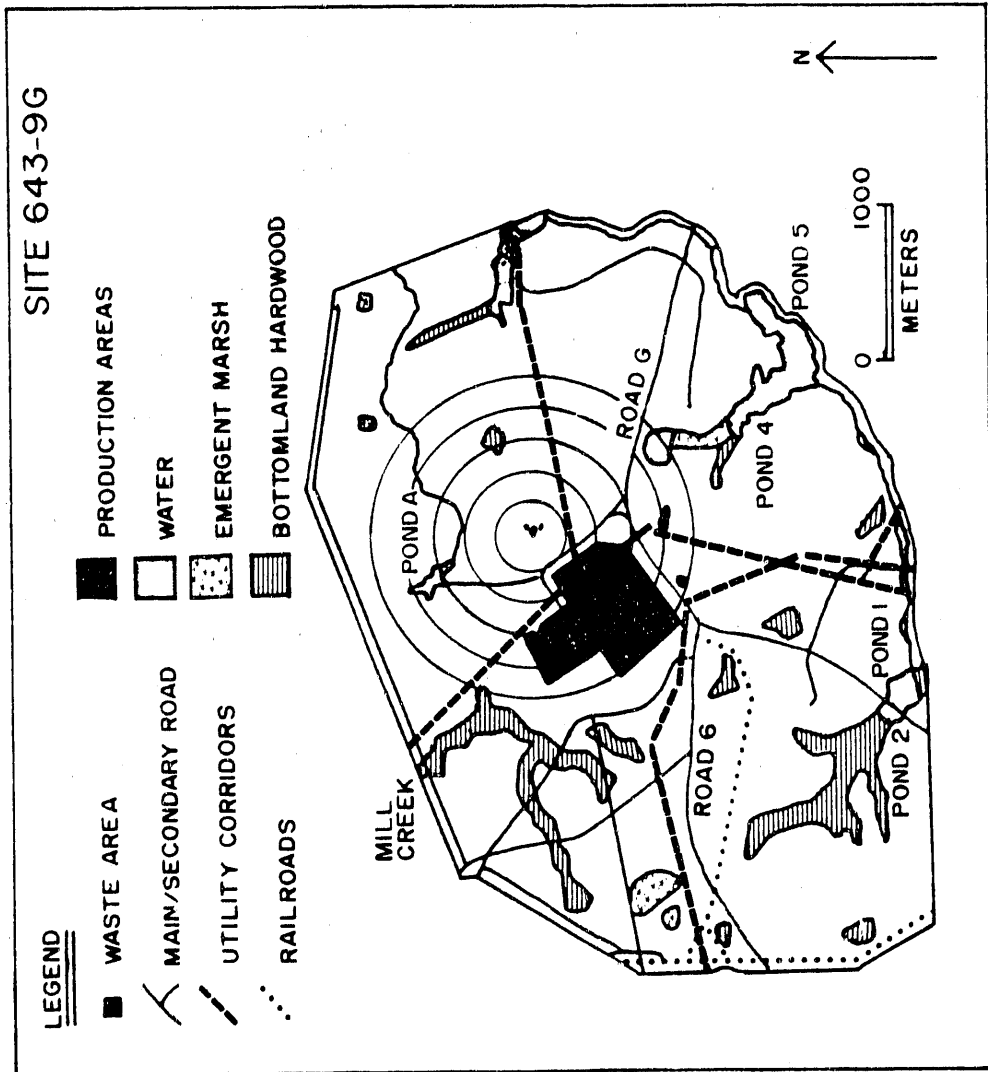


Figure 36. Wetlands Within 1000 Meters of Waste Site 643-9G, R-Area Bingham Pump Outage Pit

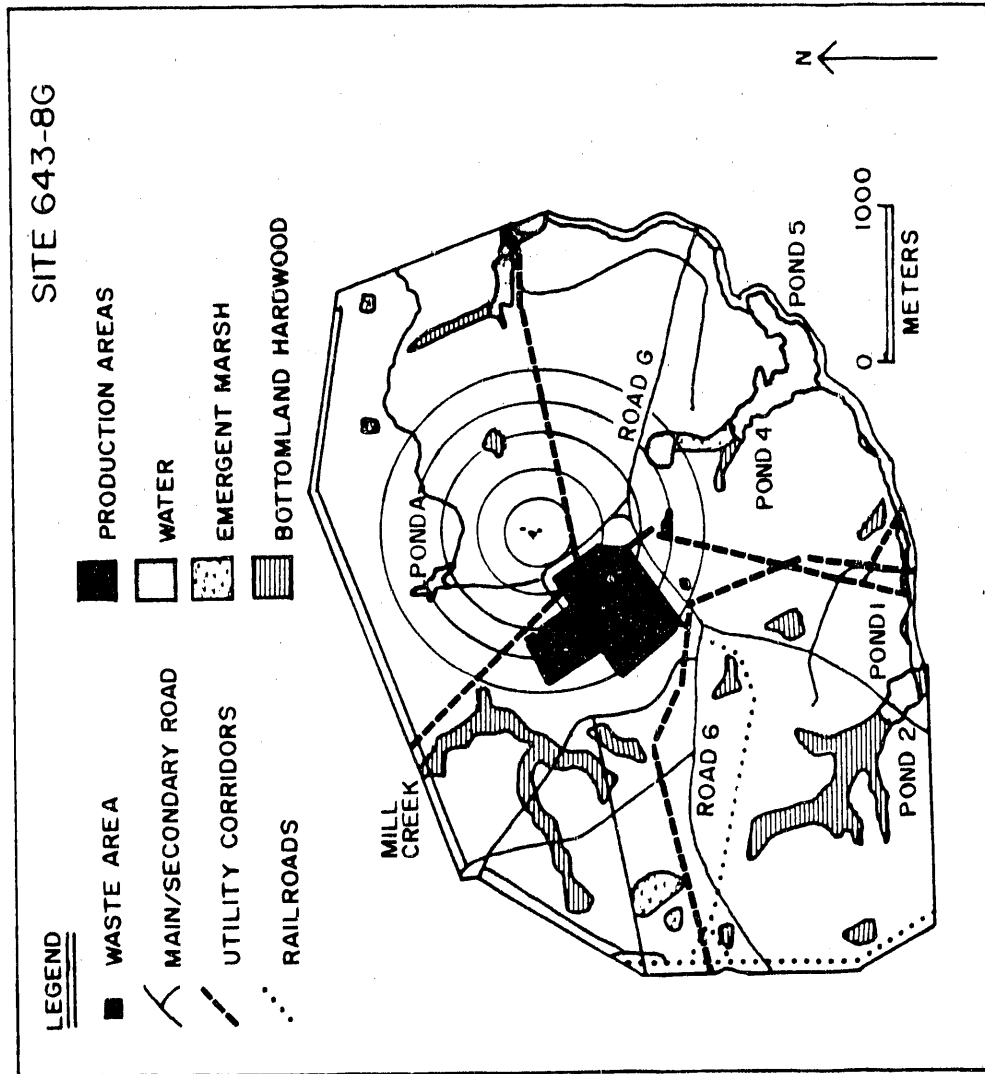


Figure 37. Wetlands Within 1000 Meters of Waste Site 643-8G, R-Area Bingham Pump Outage Pit

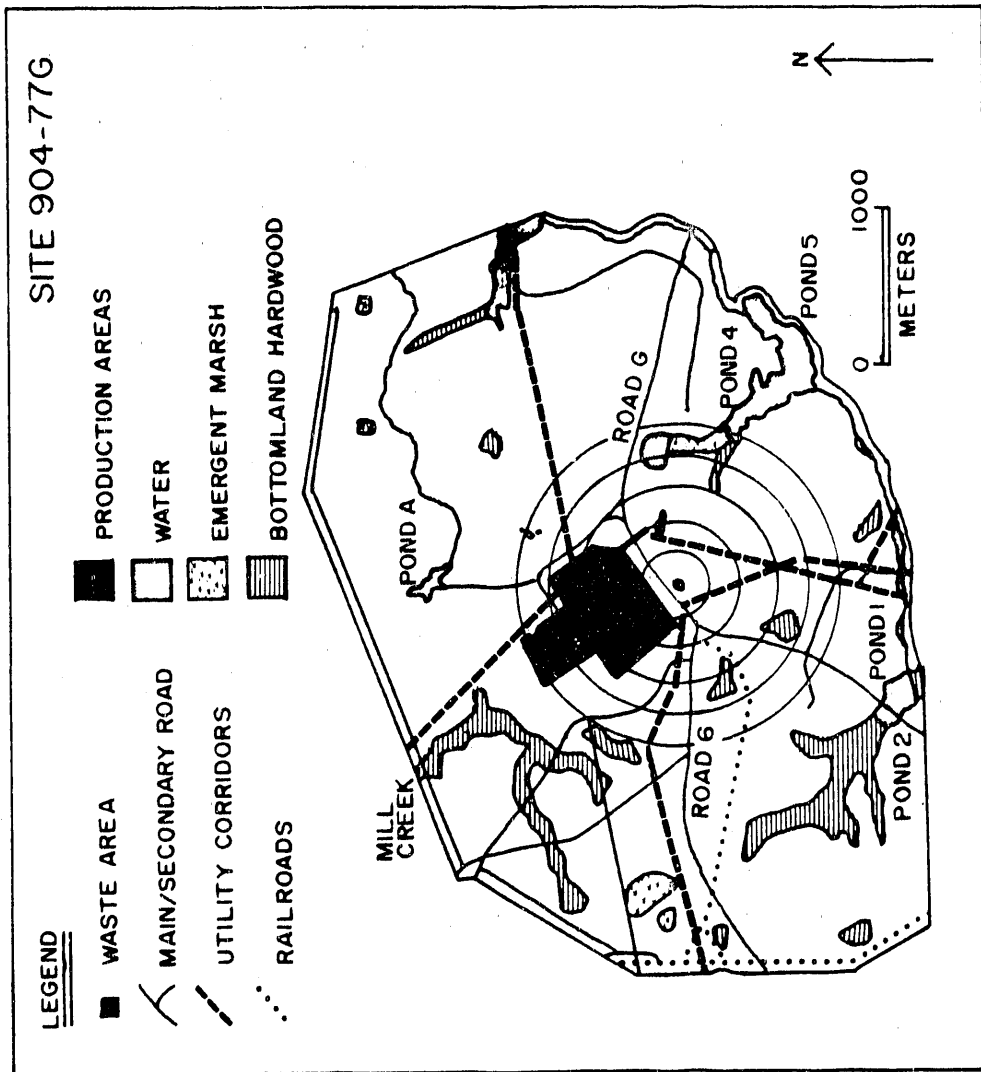


Figure 38. Wetlands Within 1000 Meters of Waste Site 904-77G, R-Area Acid/Caustic Basin

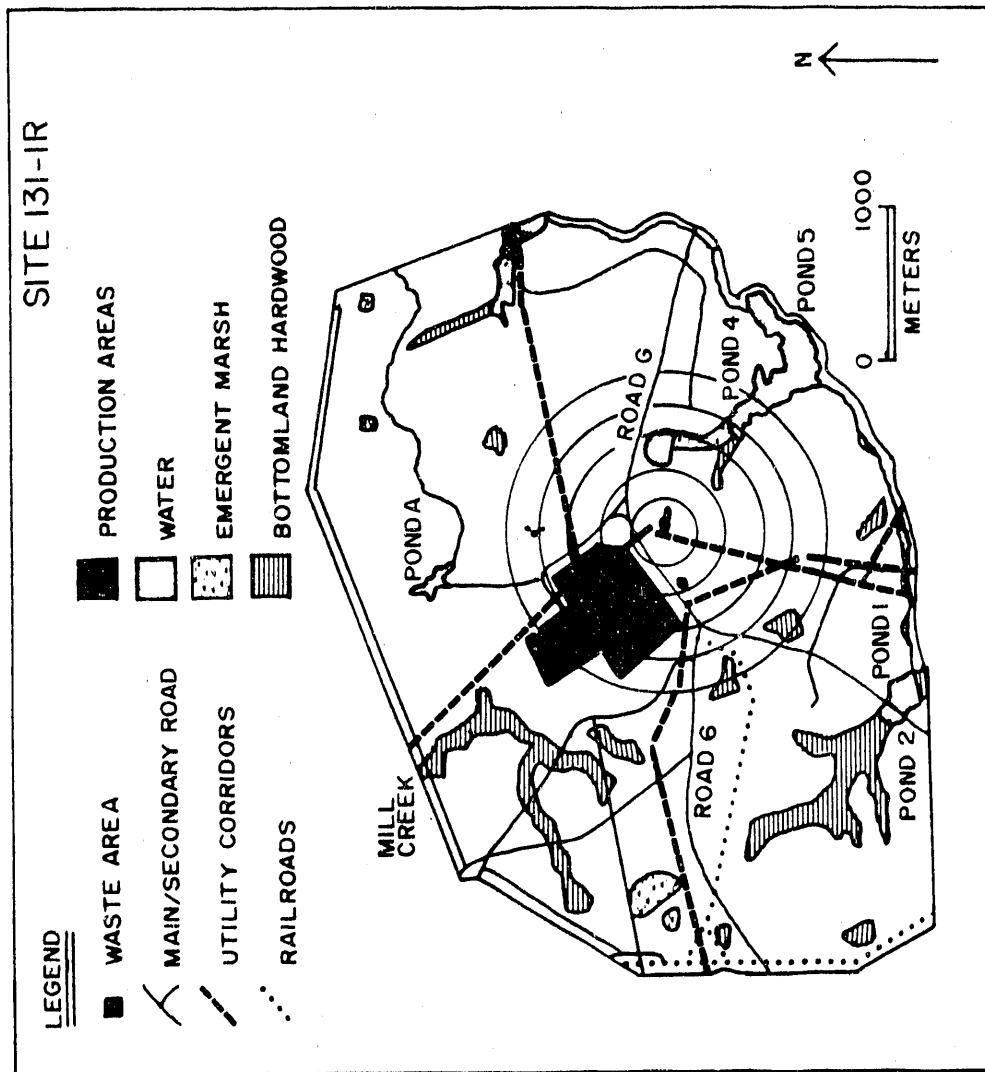


Figure 39. Wetlands Within 1000 Meters of Waste Site 131-IR, R-Area Burning/Rubble Pit

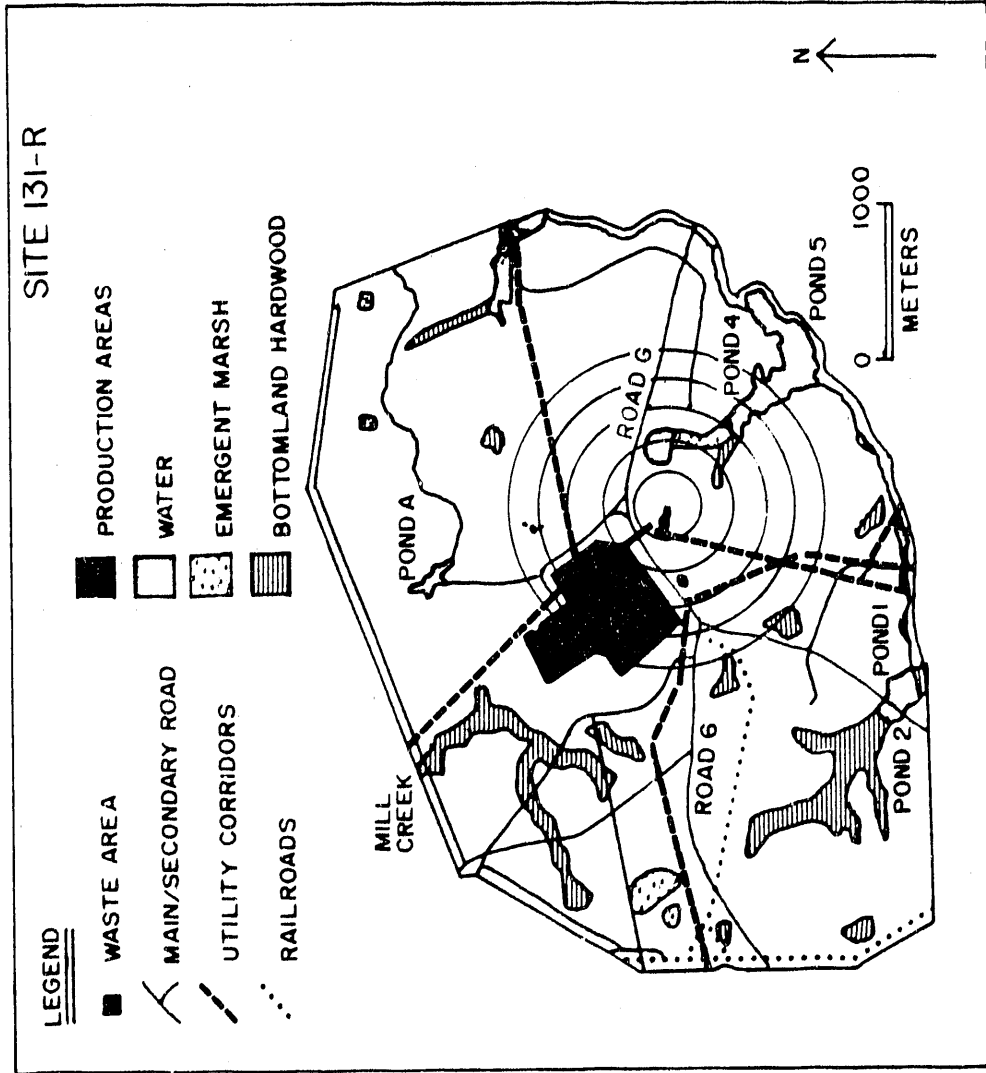


Figure 40. Wetlands Within 1000 Meters of Waste Site 131-R, R-Area Burning/Rubble Pit

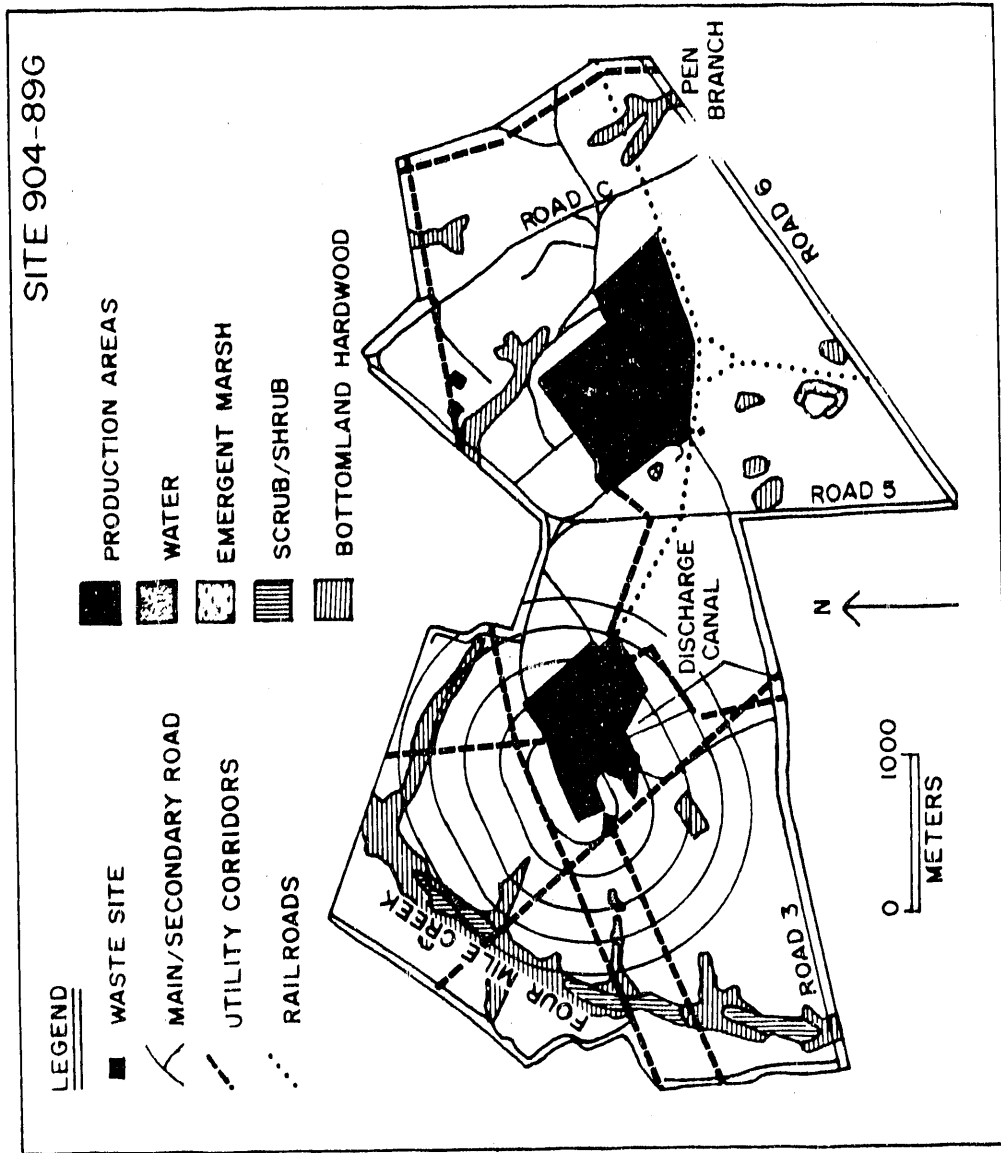


Figure 41. Wetlands Within 1000 Meters of Waste Site 904-89G, C-Area Containment Basin

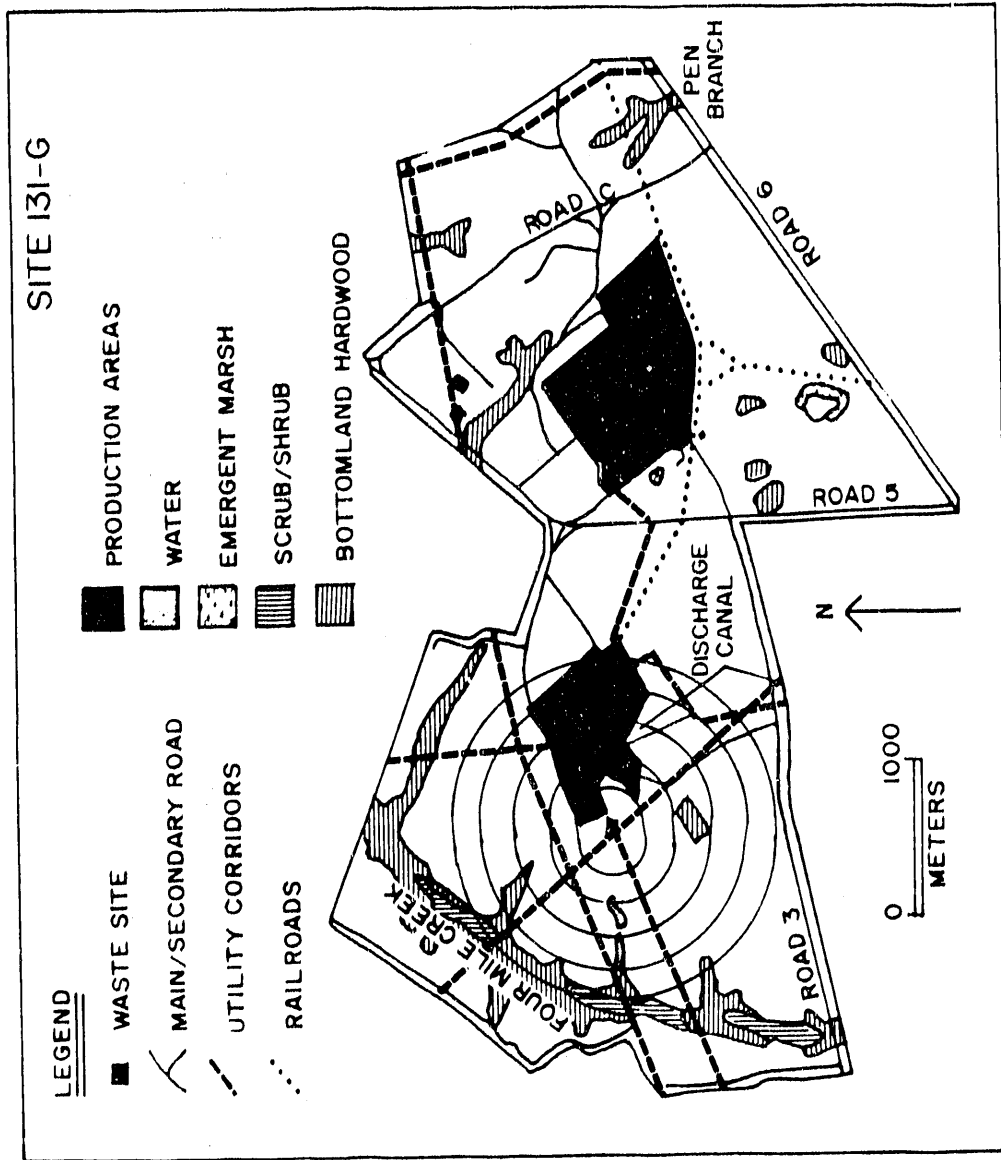


Figure 42. Wetlands Within 1000 Meters of Waste Site 131-G

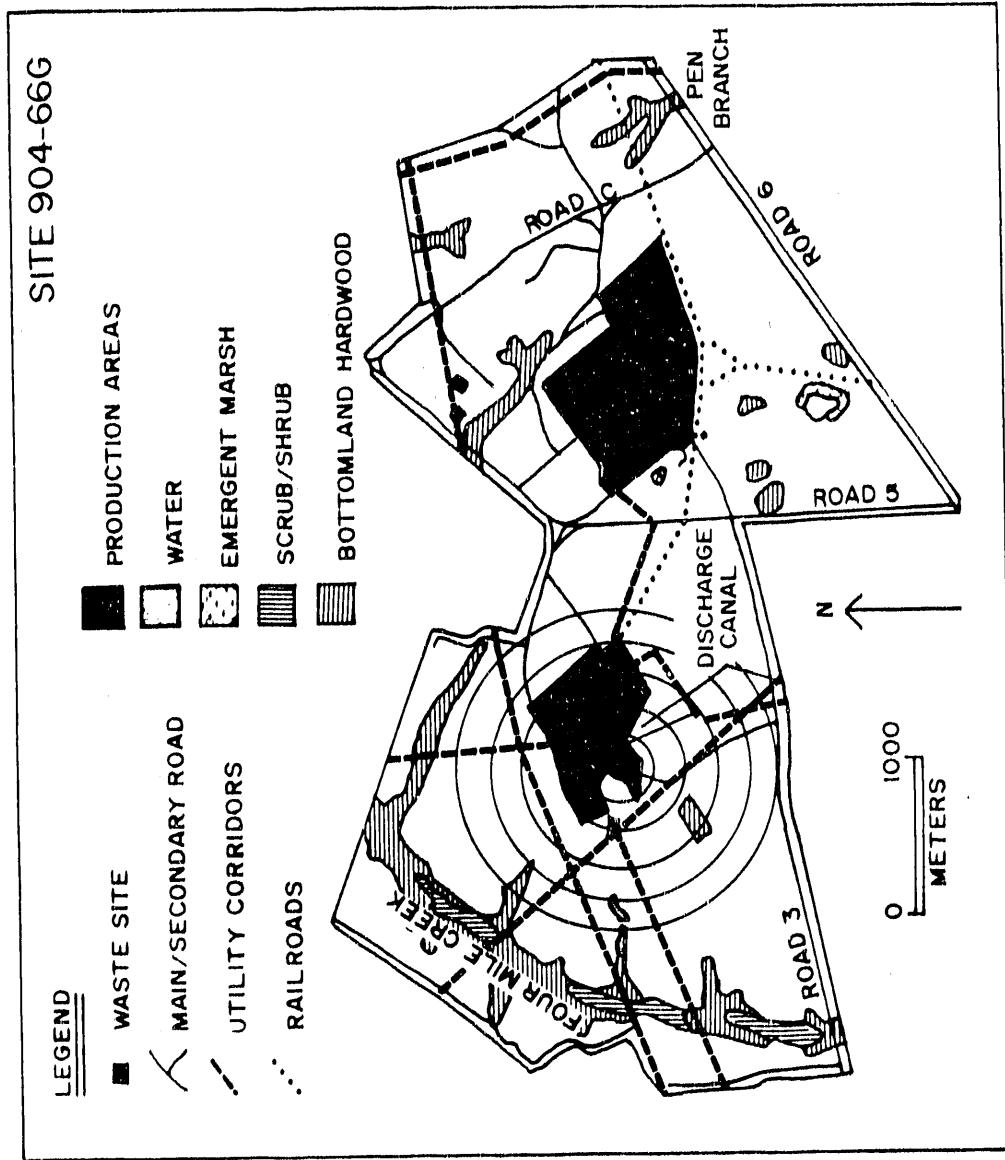


Figure 43. Wetlands Within 1000 Meters of Waste Site 904-66G, C-Area Seepage Basin



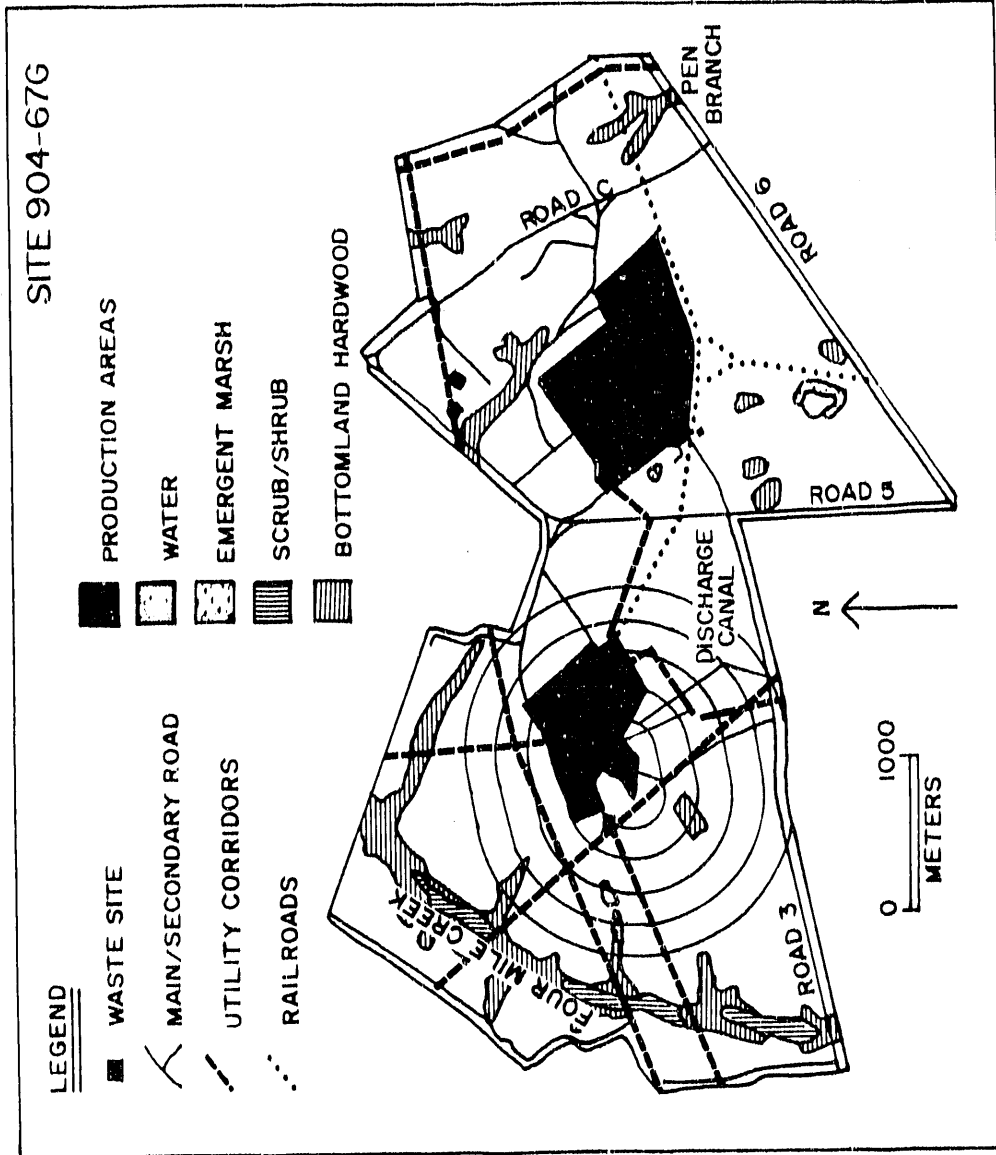


Figure 44. Wetlands Within 1000 Meters of Waste Site 904-67G, C-Area Seepage Basin

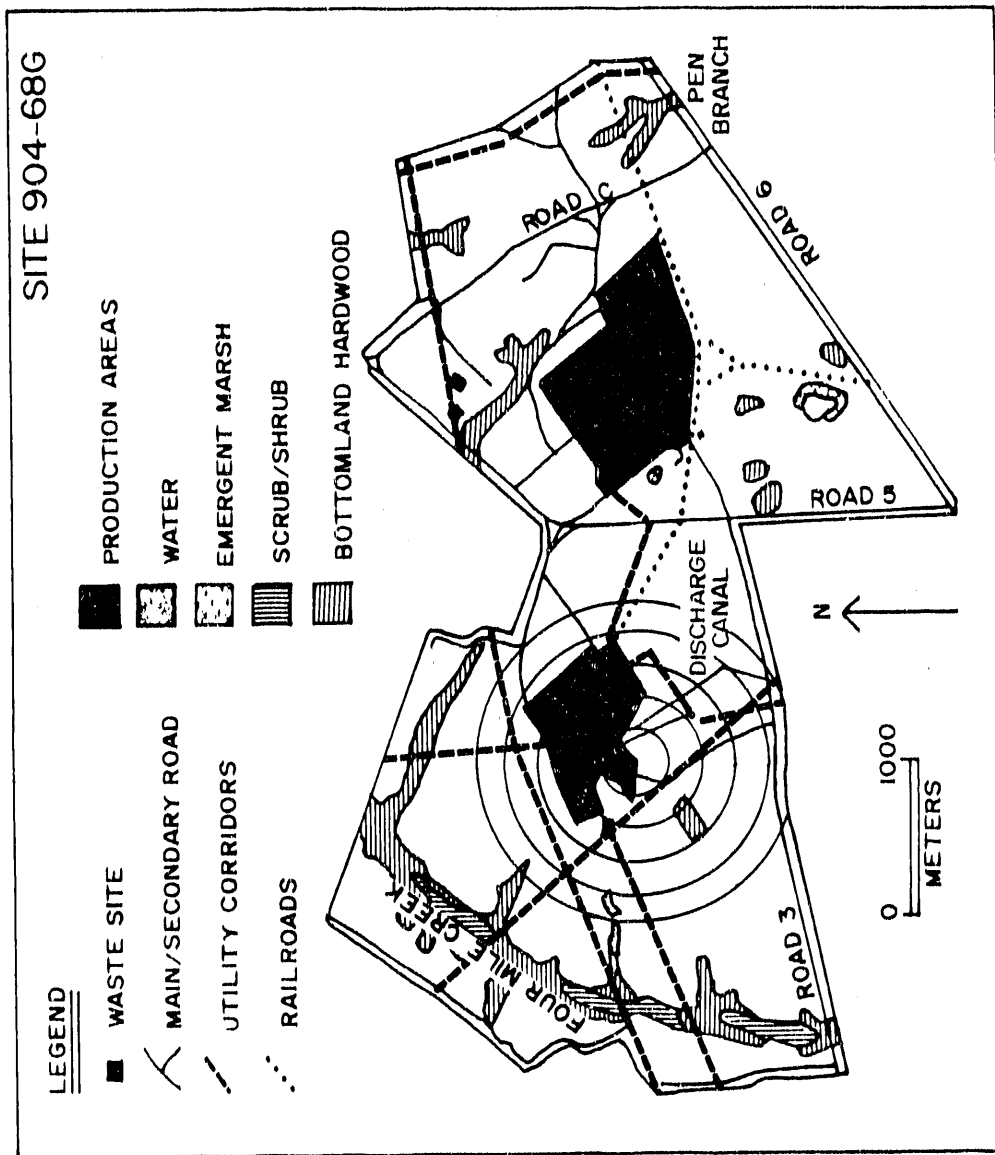


Figure 45. Wetlands Within 1000 Meters of Waste Site 904-68G, C-Area Seepage Basin

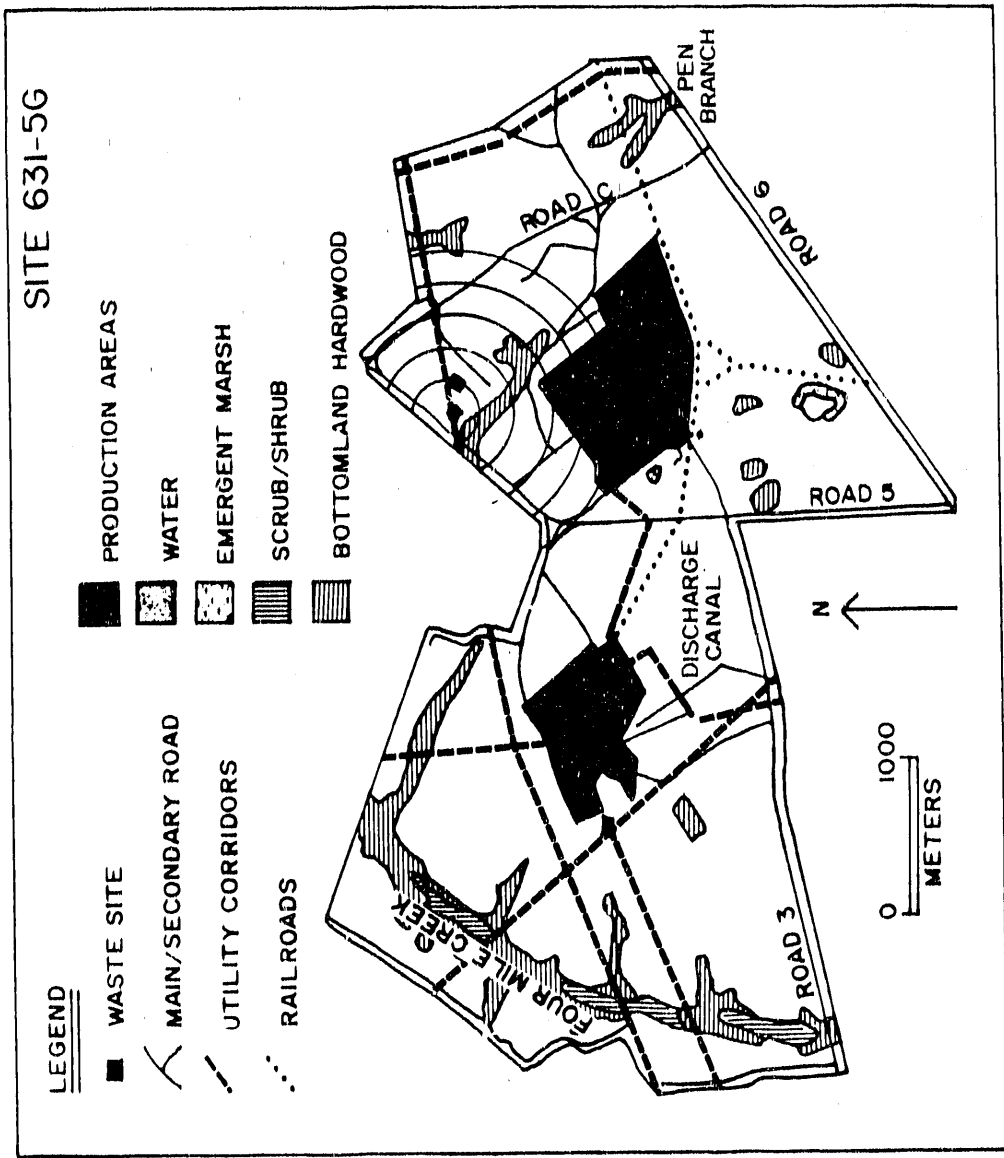


Figure 46. Wetlands Within 1000 Meters of Waste Site 631-5G, CS Burning/Rubble Pit

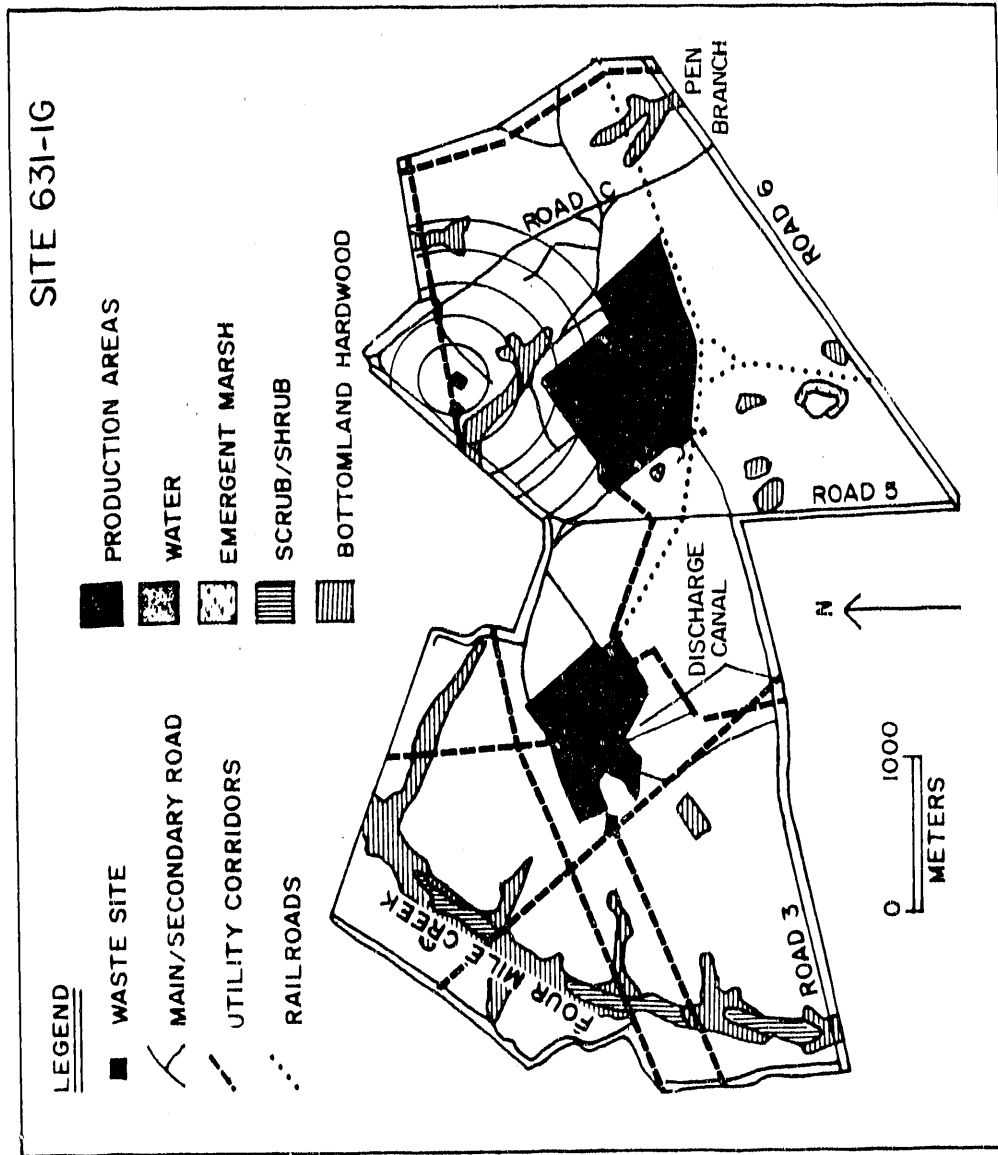


Figure 47. Wetlands Within 1000 Meters of Waste Site 631-1G, CS Burning/Rubble Pit

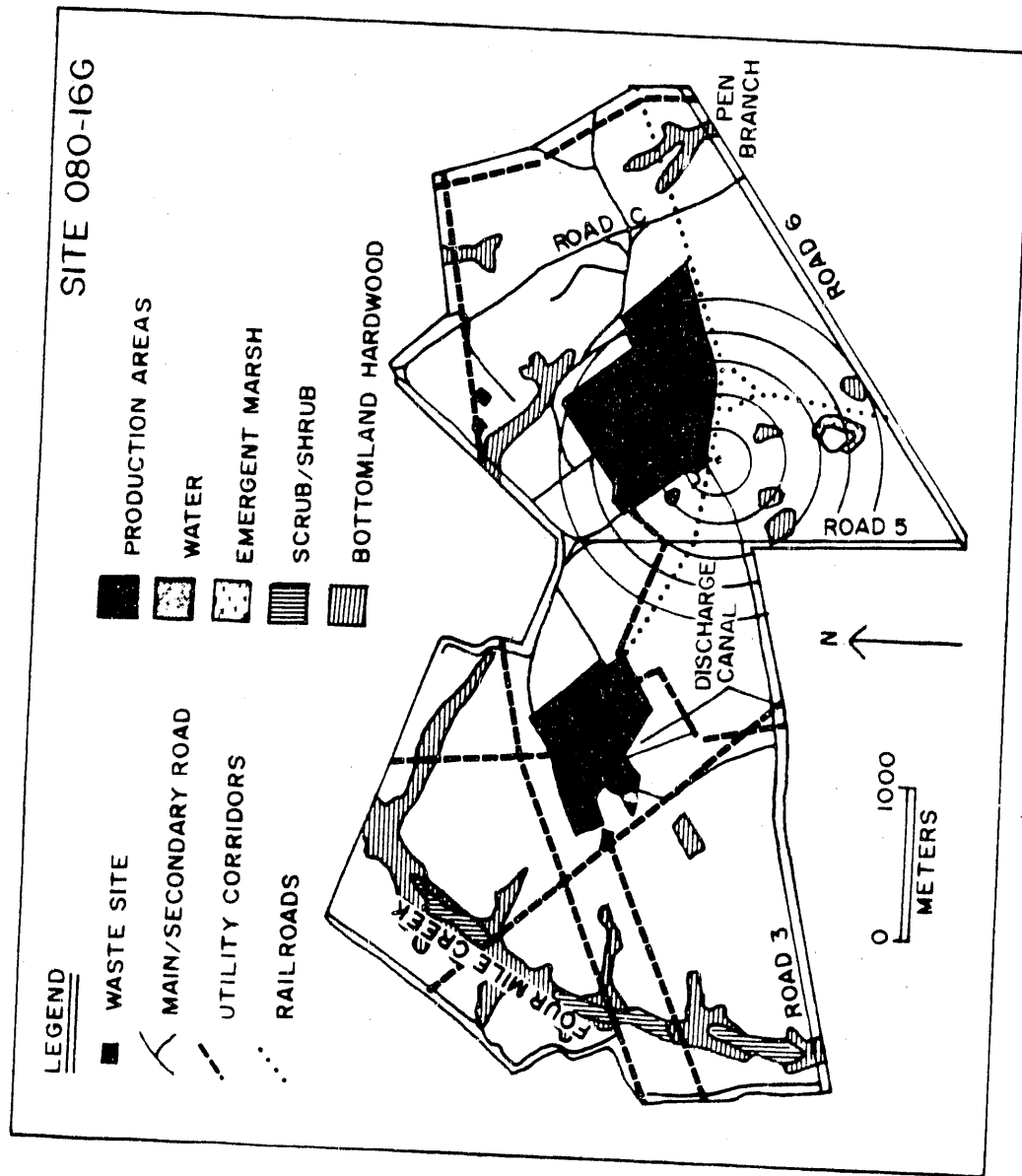


Figure 48. Wetlands Within 1000 Meters of Waste Site 080-16G, SRL Oil Test Site

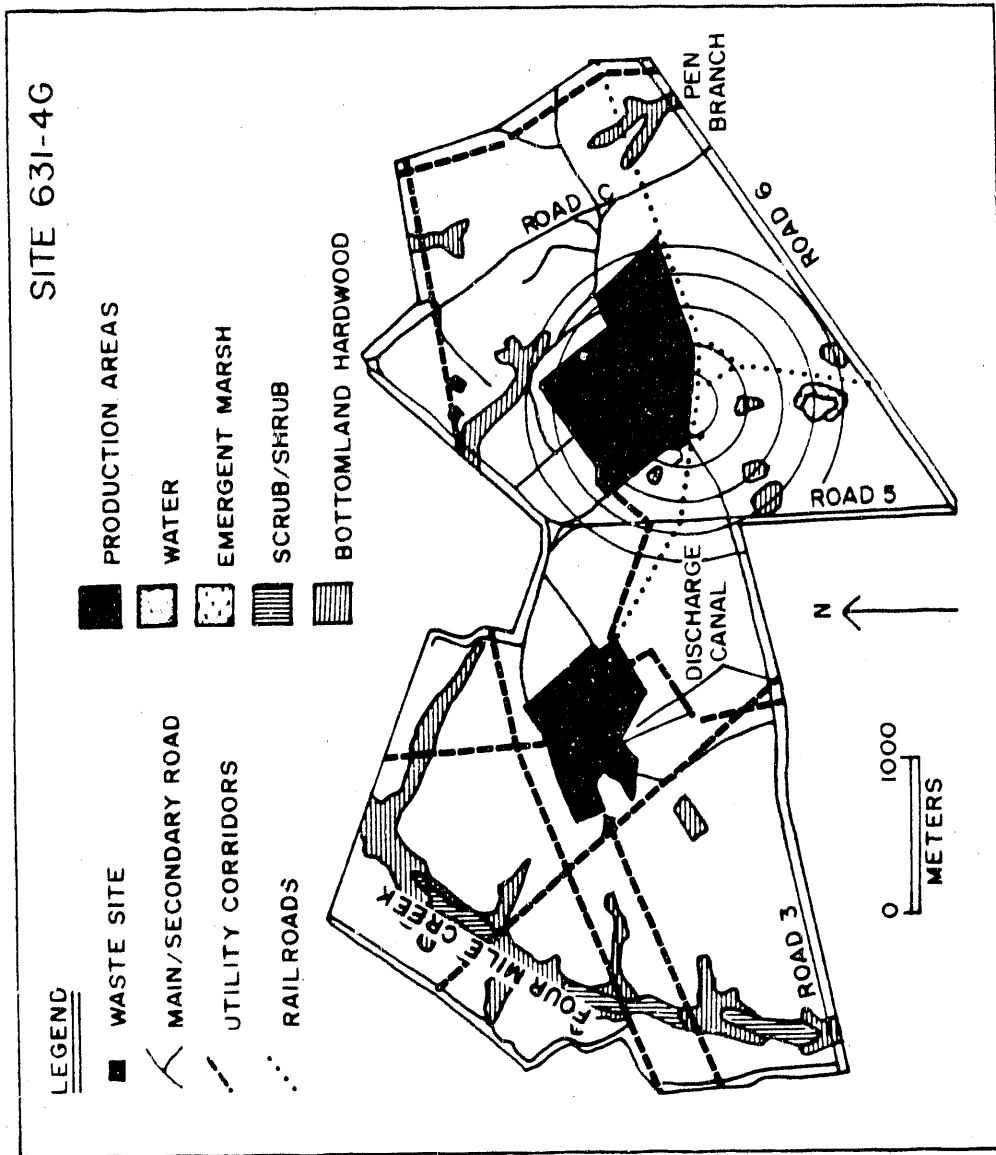


Figure 49. Wetlands Within 1000 Meters of Waste Site 631-4G, Hydrofluoric Acid Spill Area

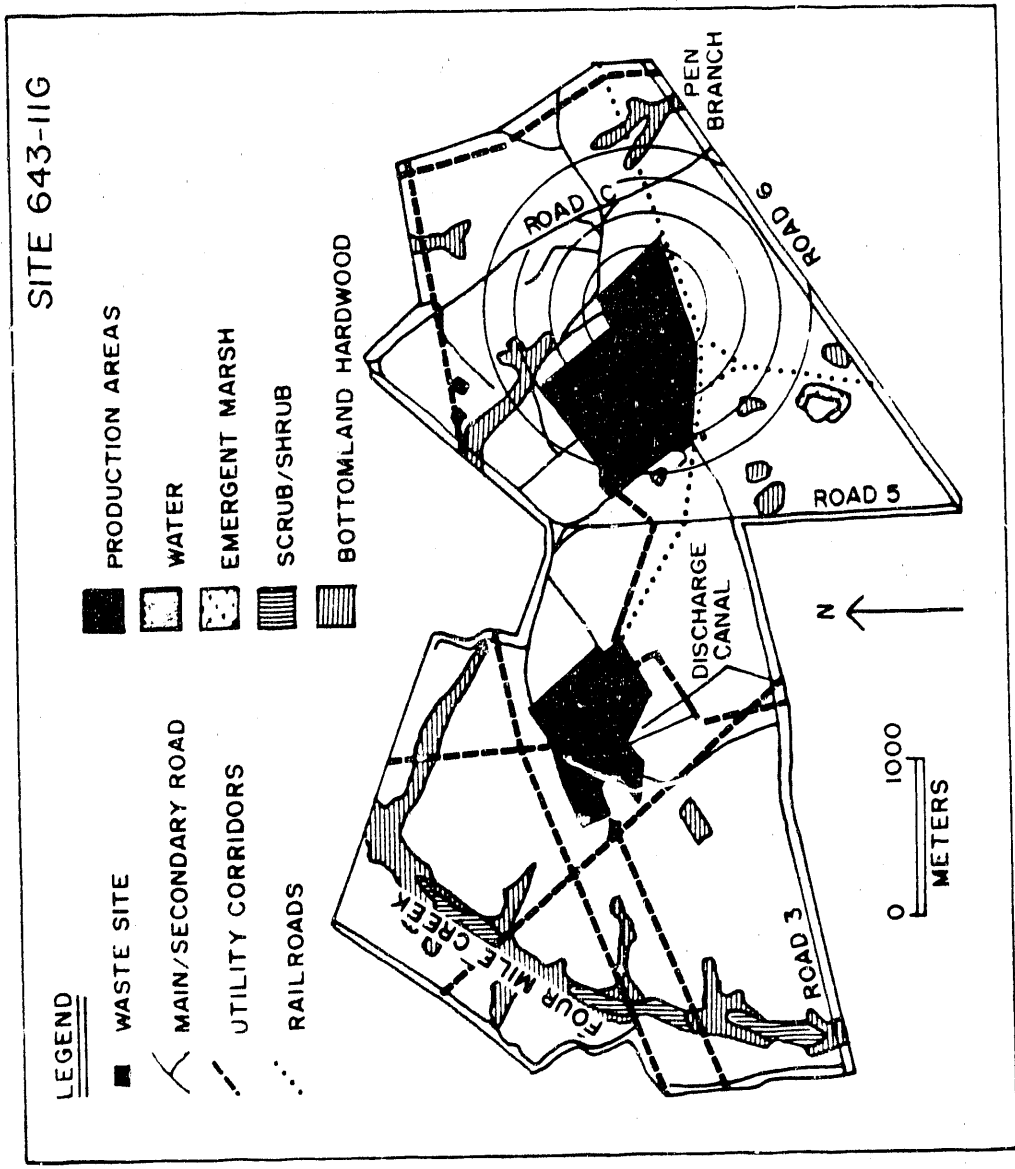


Figure 50. Wetlands Within 1000 Meters of Waste Site 643-IIG, Ford Building Waste Site

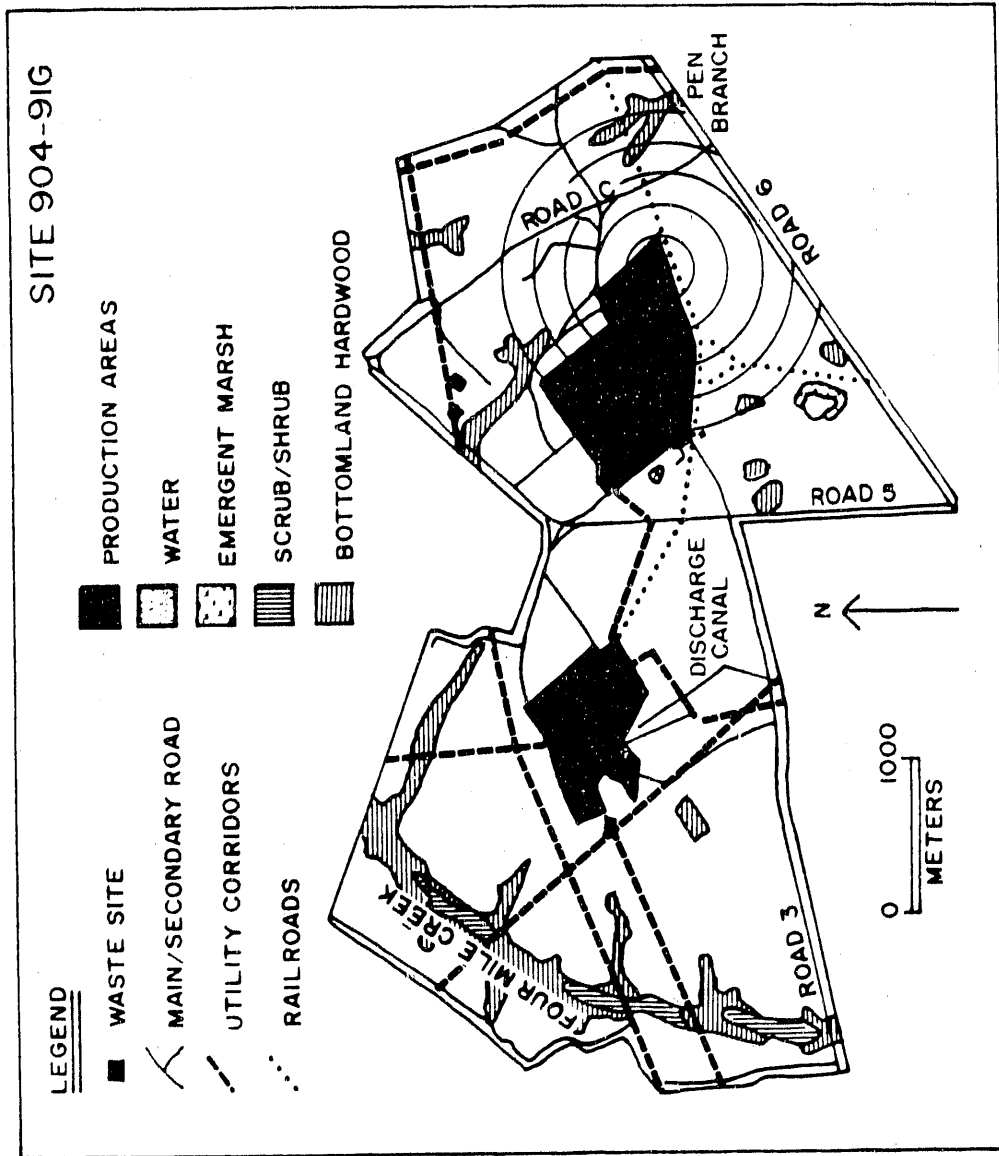


Figure 51. Wetlands Within 1000 Meters of Waste Site 904-91G, Ford Building Seepage Basin



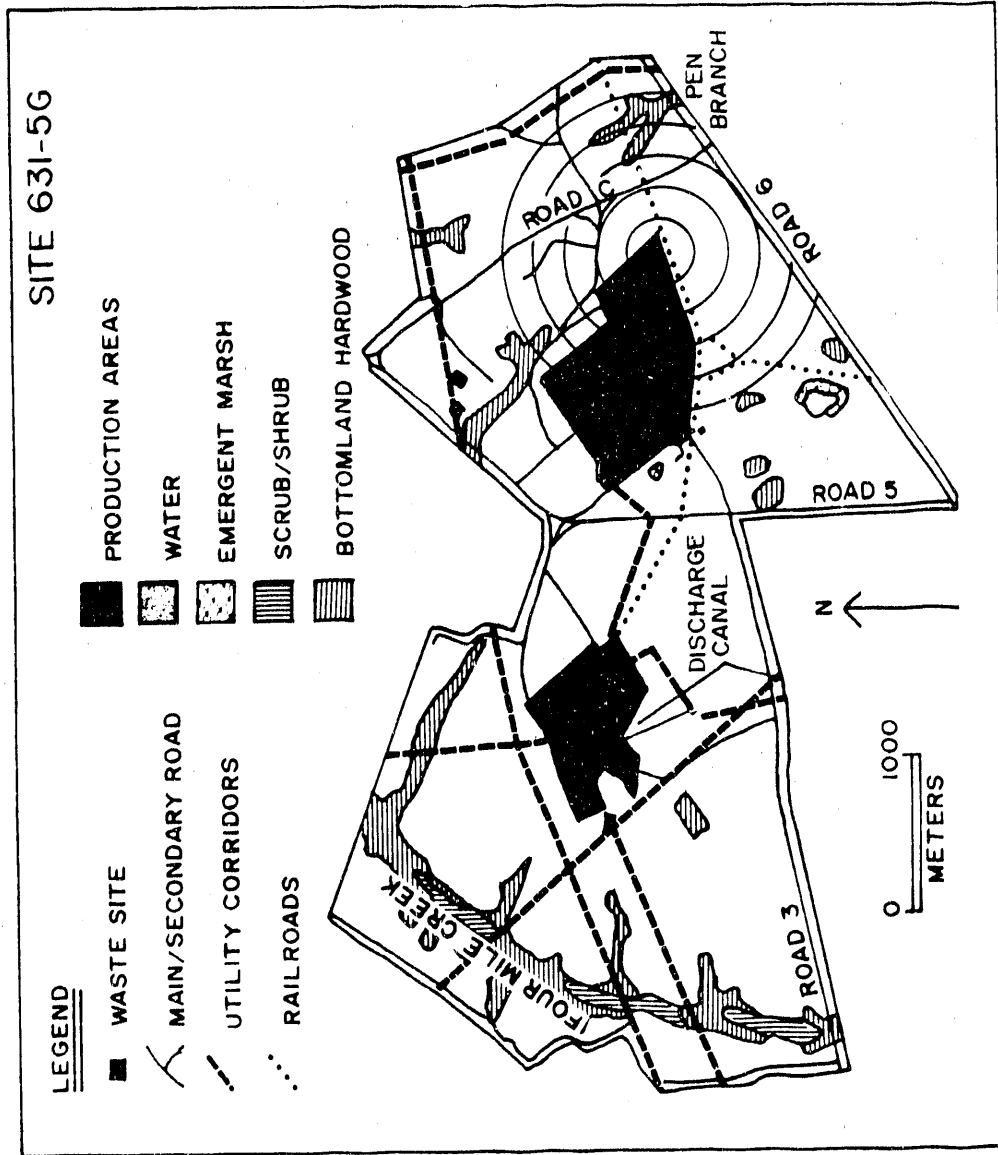


Figure 52. Wetlands Within 1000 Meters of Waste Site 631-5G, CS Burning/Rubble Pit

SITE 643-5G

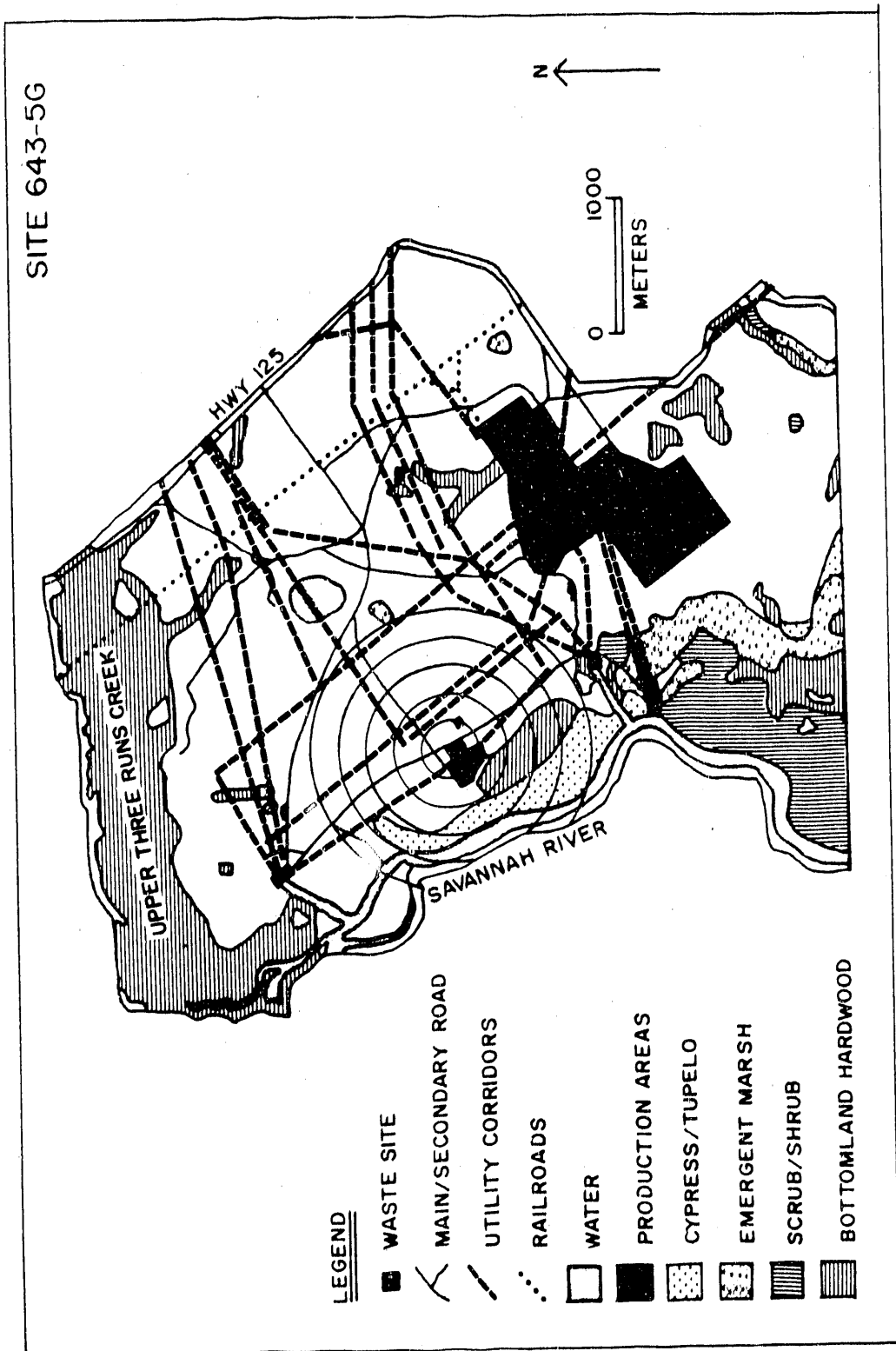


Figure 53. Wetlands Within 1000 Meters of Waste Site 643-5G, INX Burying Ground

SITE 904-102G

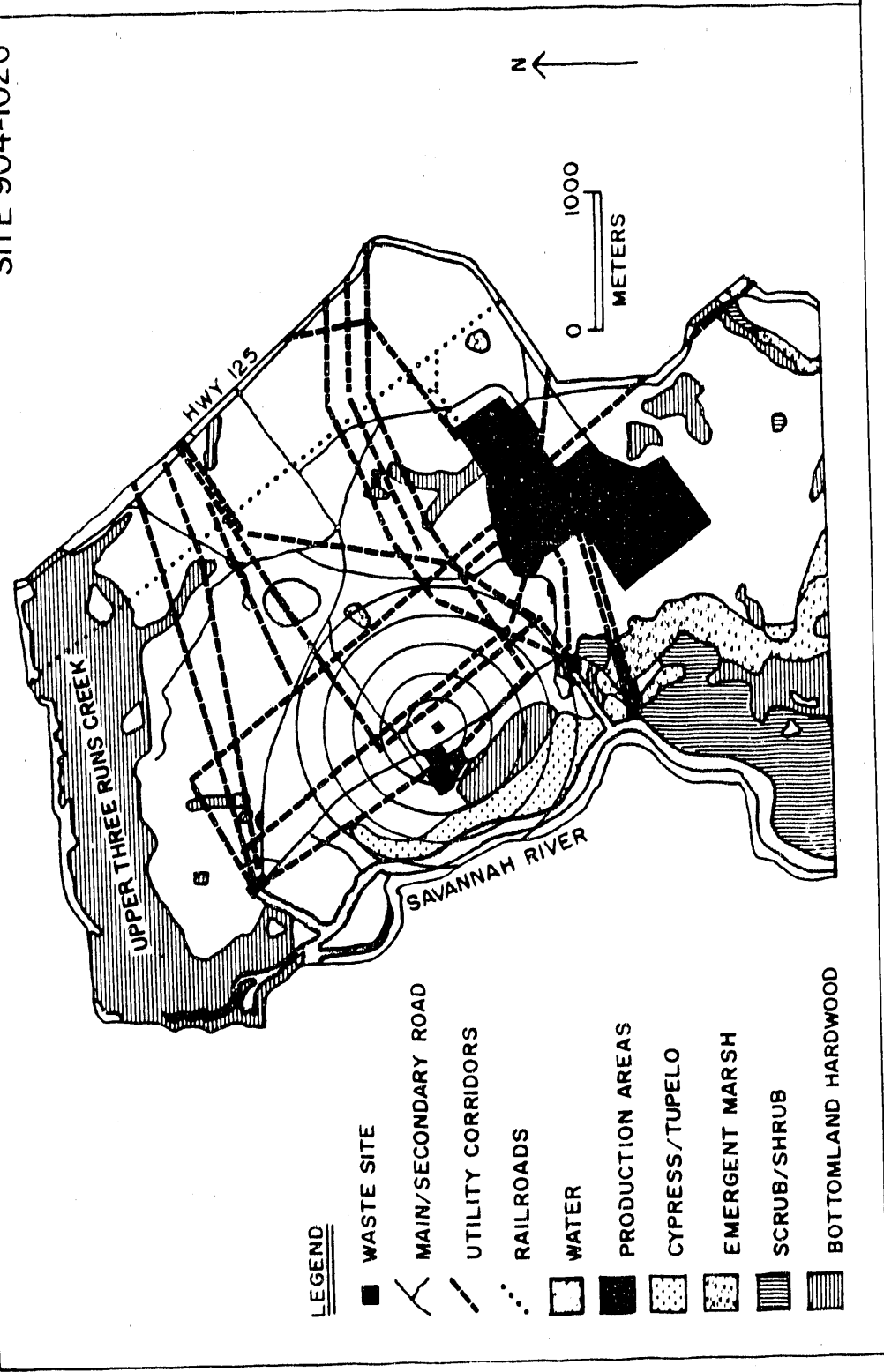


Figure 54. Wetlands Within 1000 Meters of Waste Site 904-102G, TNX Seepage Basin (New)

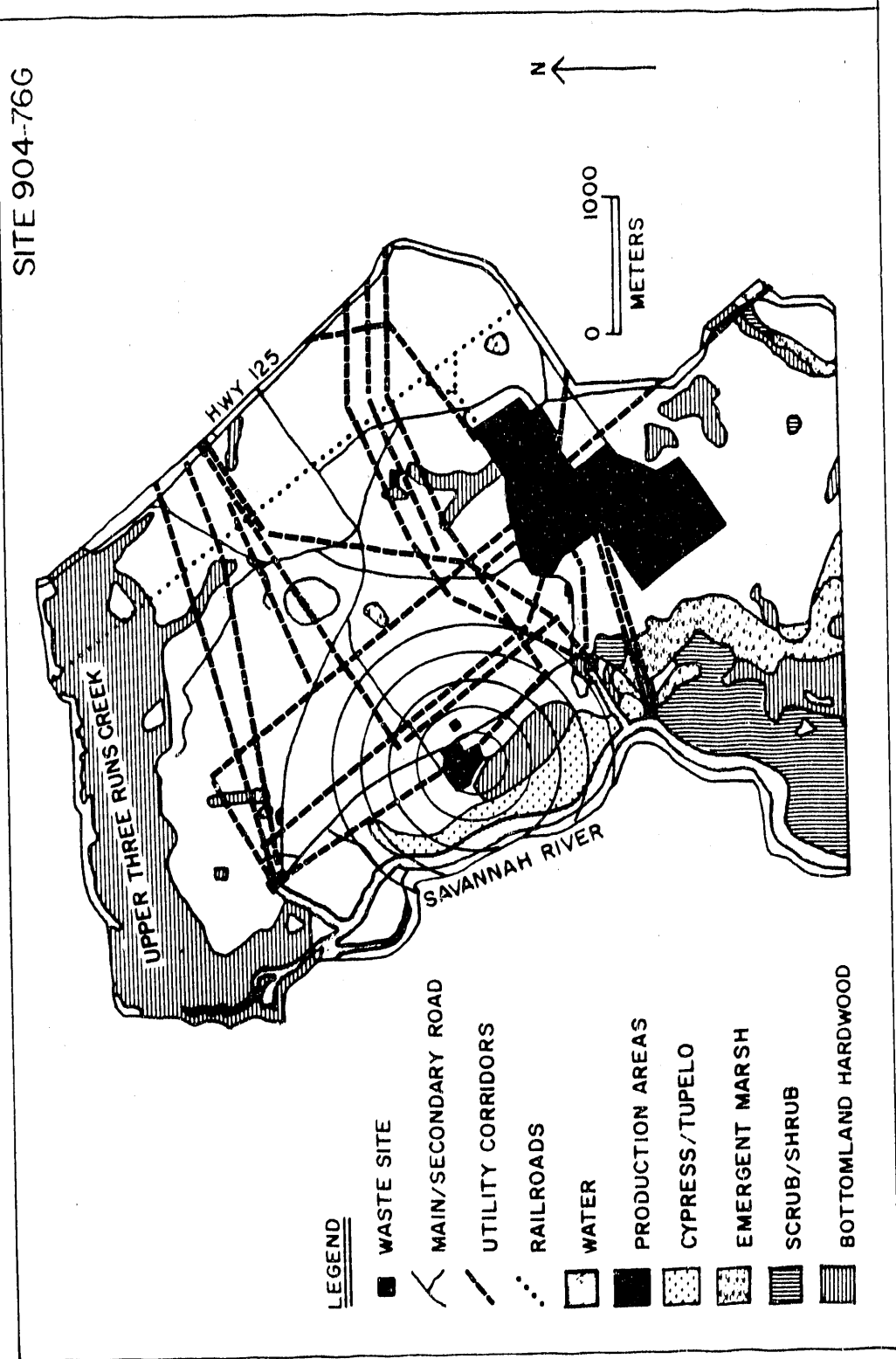


Figure 55. wetlands Within 1000 Meters of Waste Site 904-76G, TNX Seepage Basin (Old)

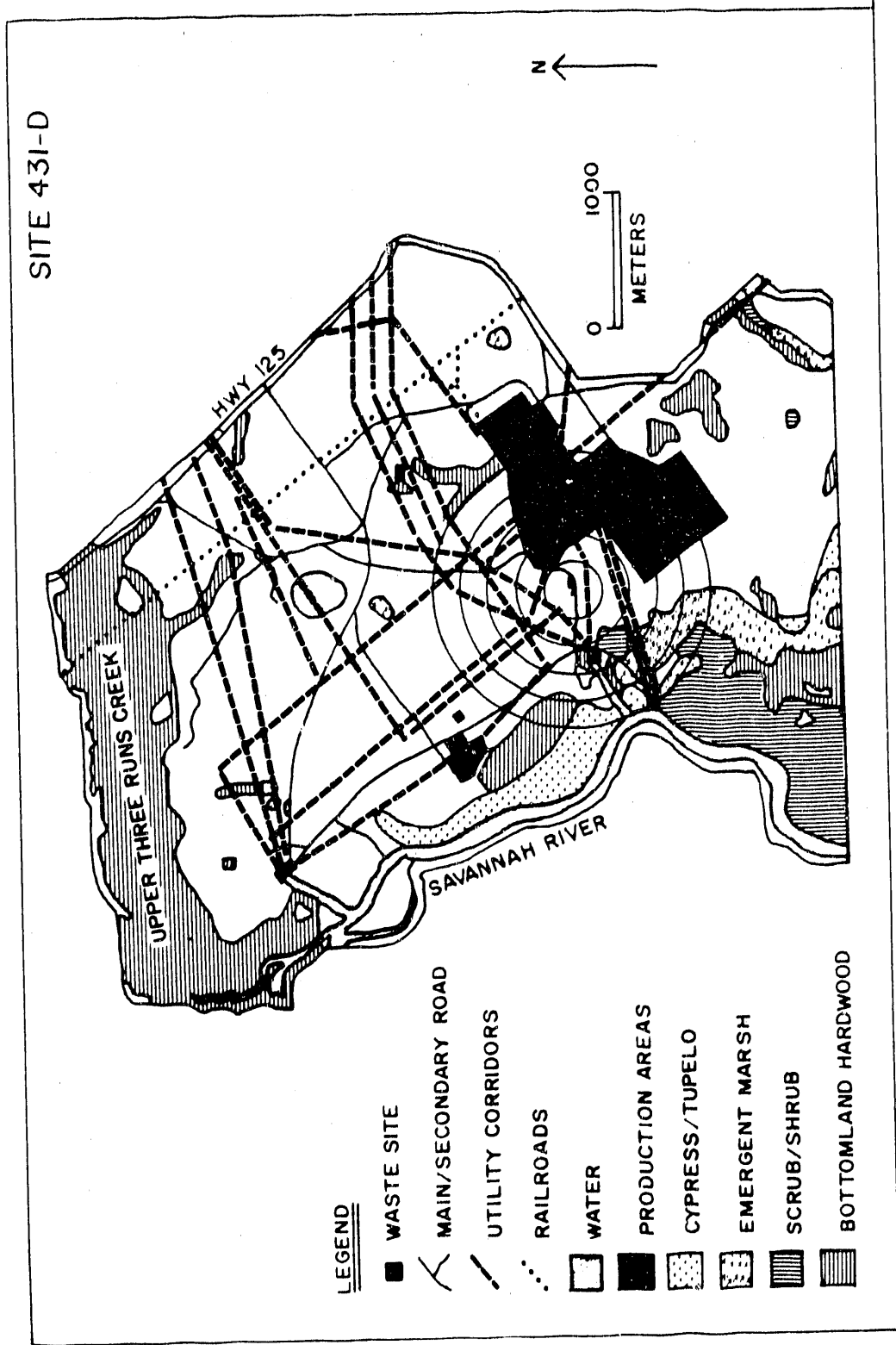


Figure 5b. Wetlands Within 1000 Meters of Waste Site 431-D, D-Area Burning/Rubble Pit

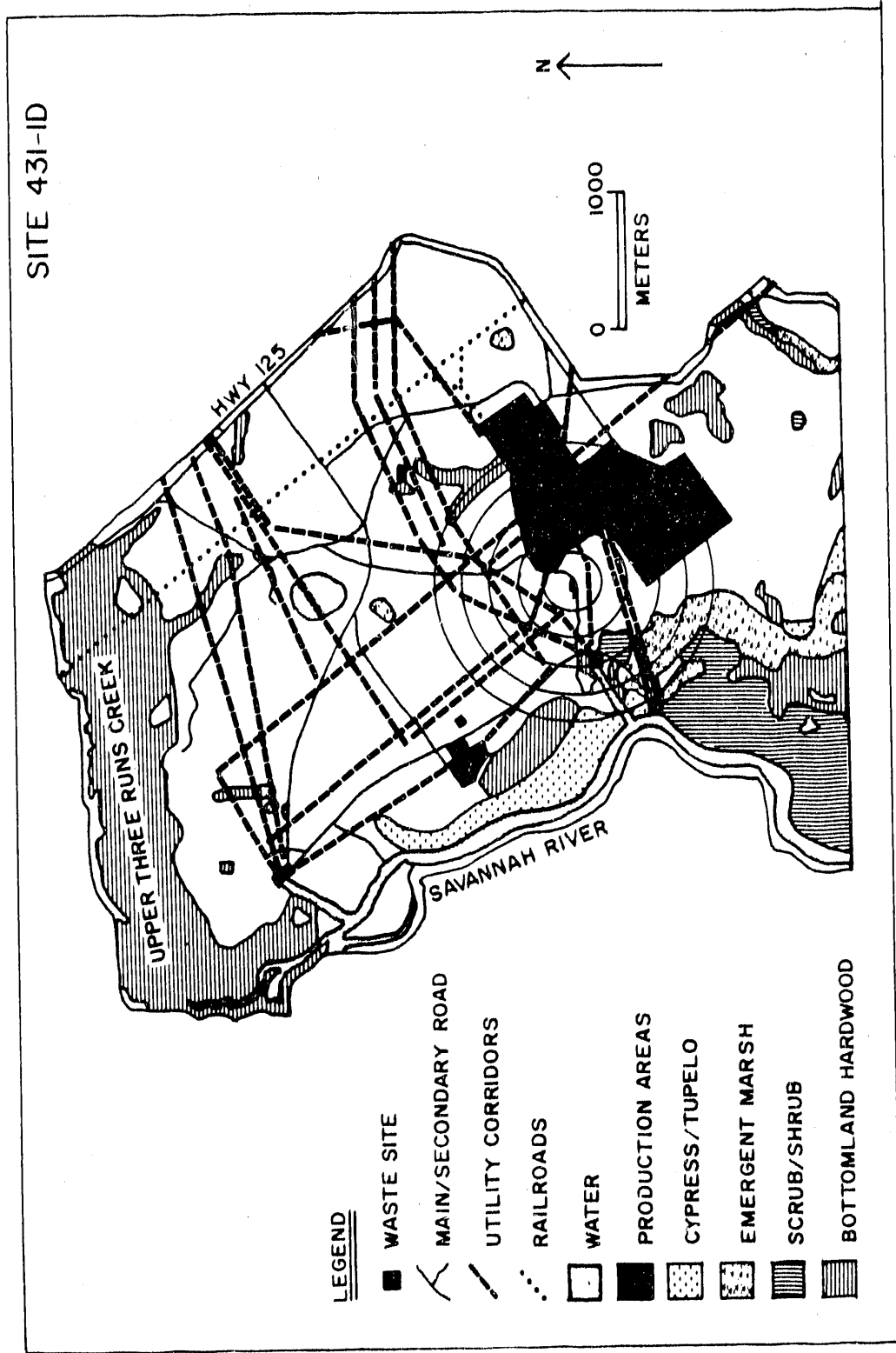


Figure 57. Wetlands Within 1000 Meters of Waste Site 431-ID, D-Area Burning/Rubble Pit

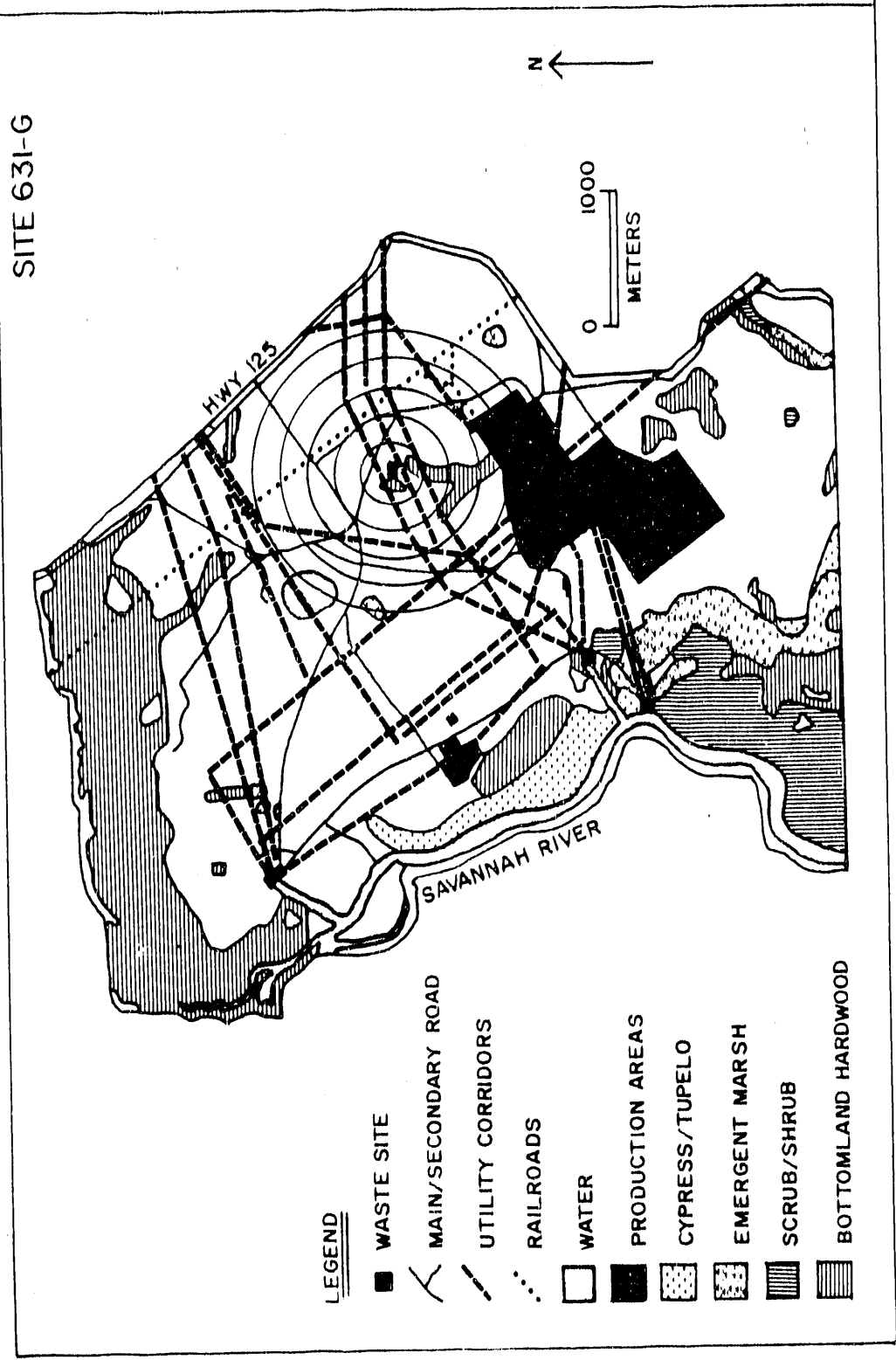


Figure 58. Wetlands Within 1000 Meters of Waste Site 631-G, D-Area Oil Seepage Basin

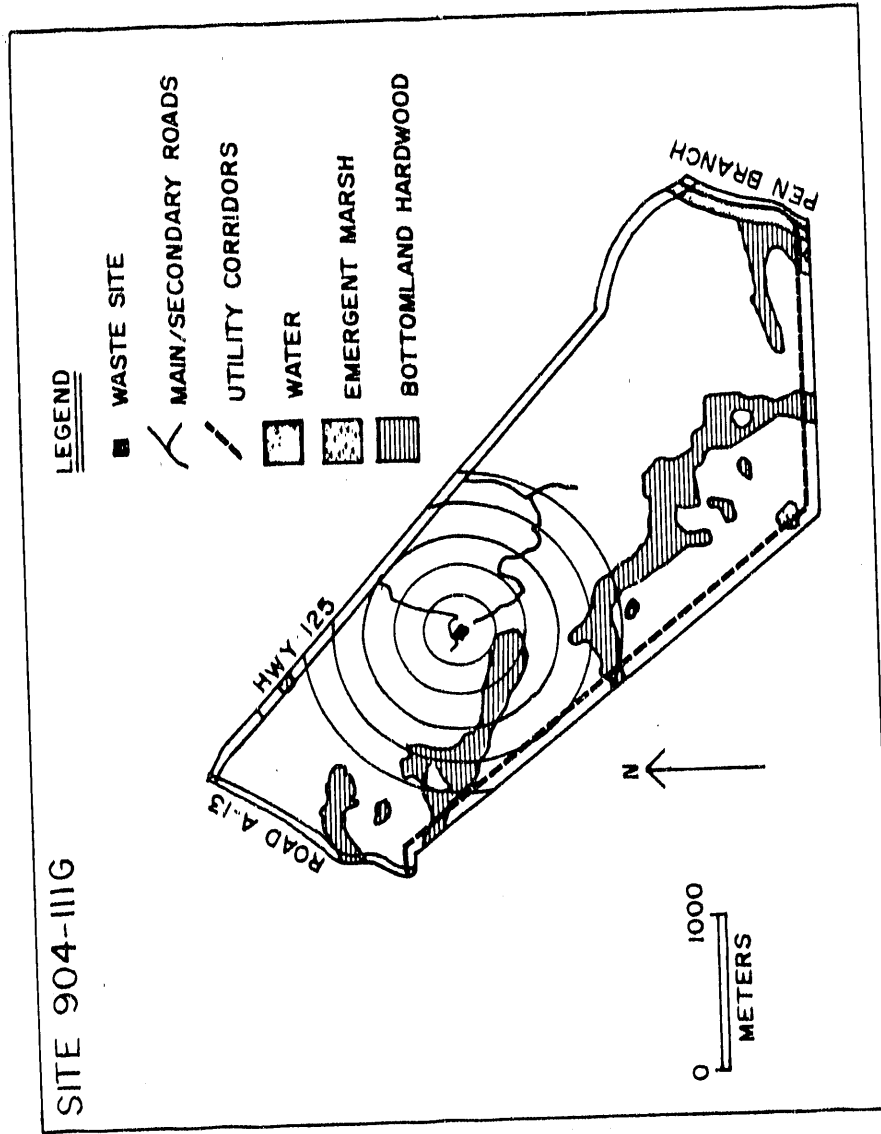


Figure 59. Wetlands Within 1000 Meters of Waste Site 904-IIIG, Road A Chemical Basin



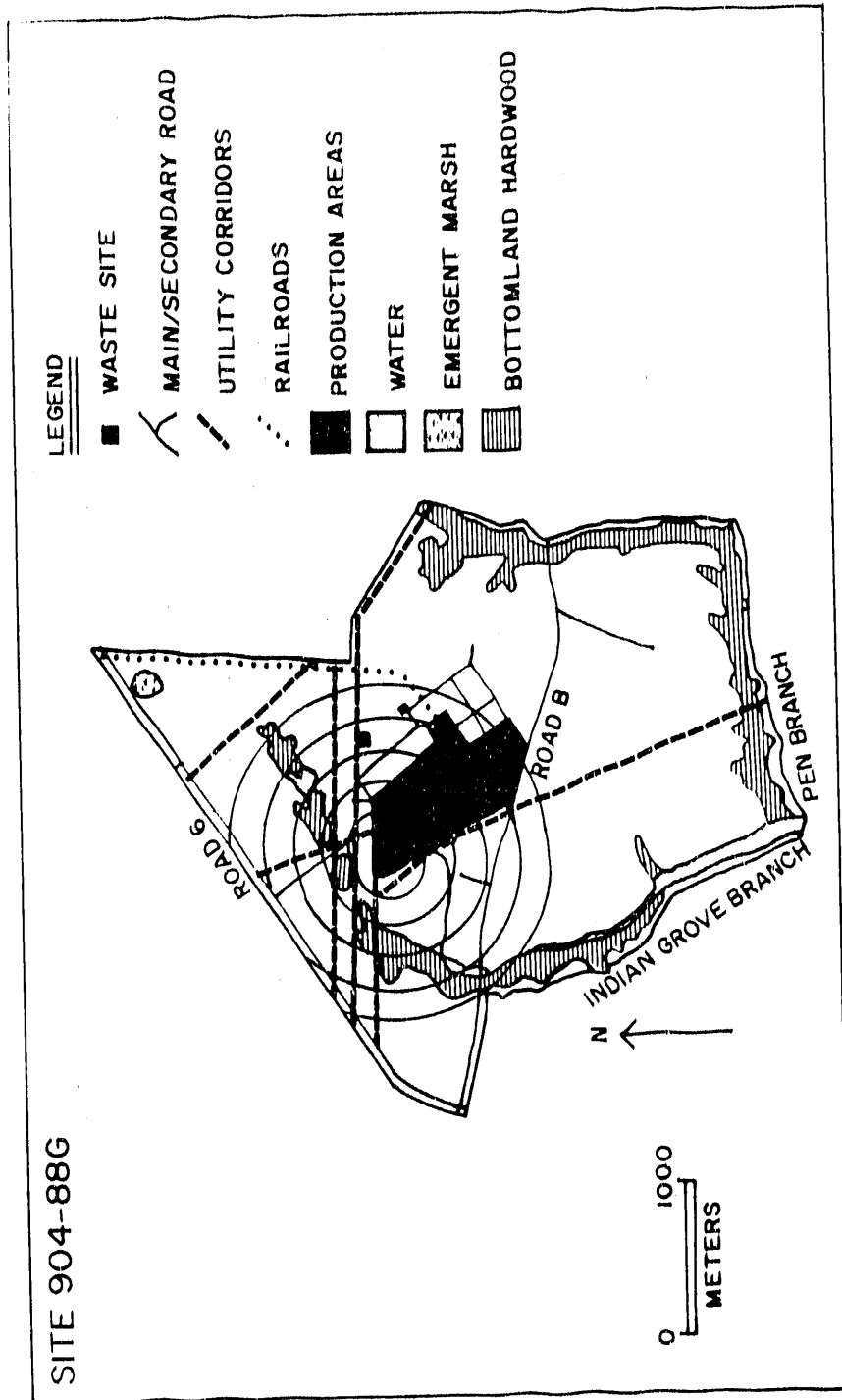


Figure 60. Wetlands Within 1000 Meters of Waste Site 904-88G, k-Area Containment Basin

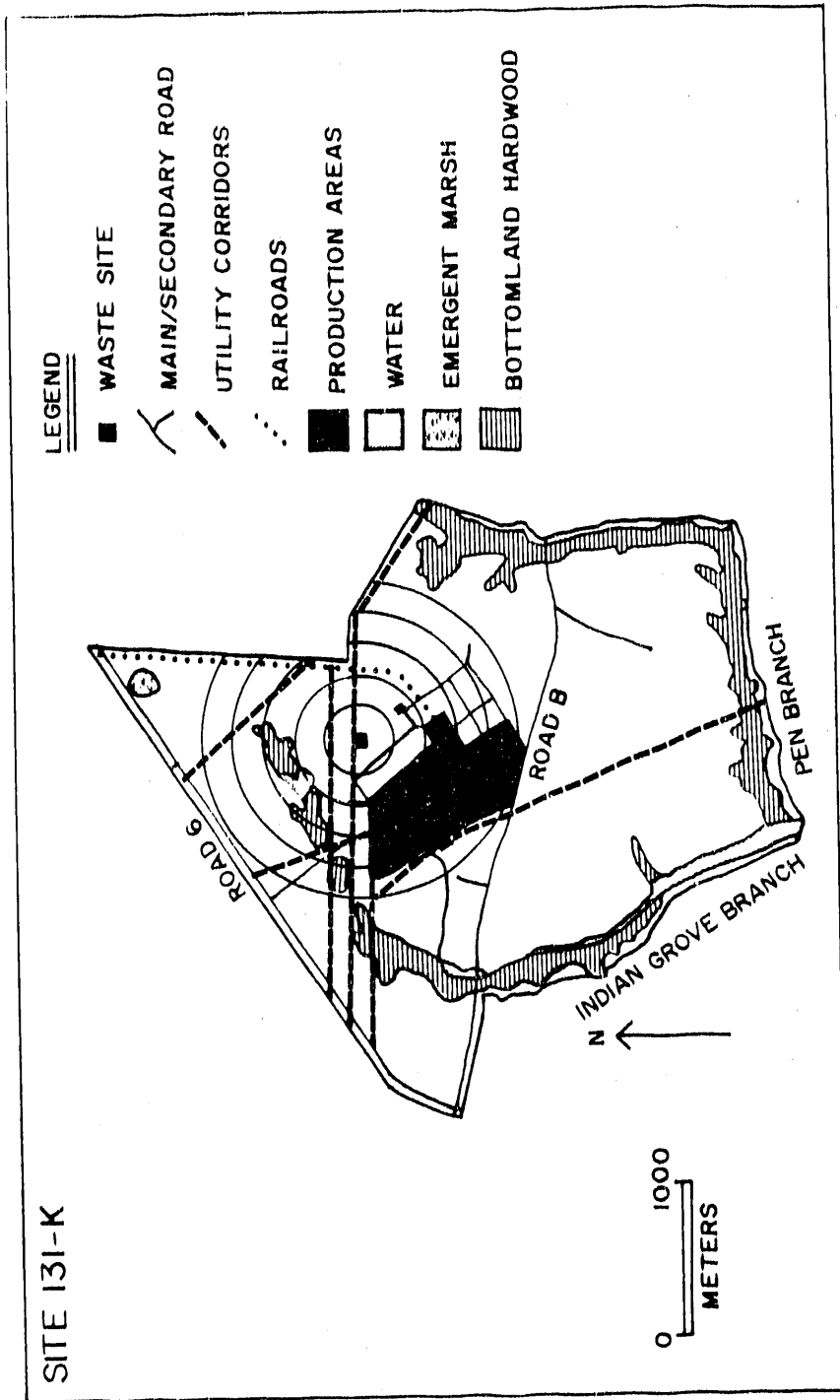


Figure 61. Wetlands Within 1000 Meters of Waste Site 131-K, K-Area Burning/Rubble Pit

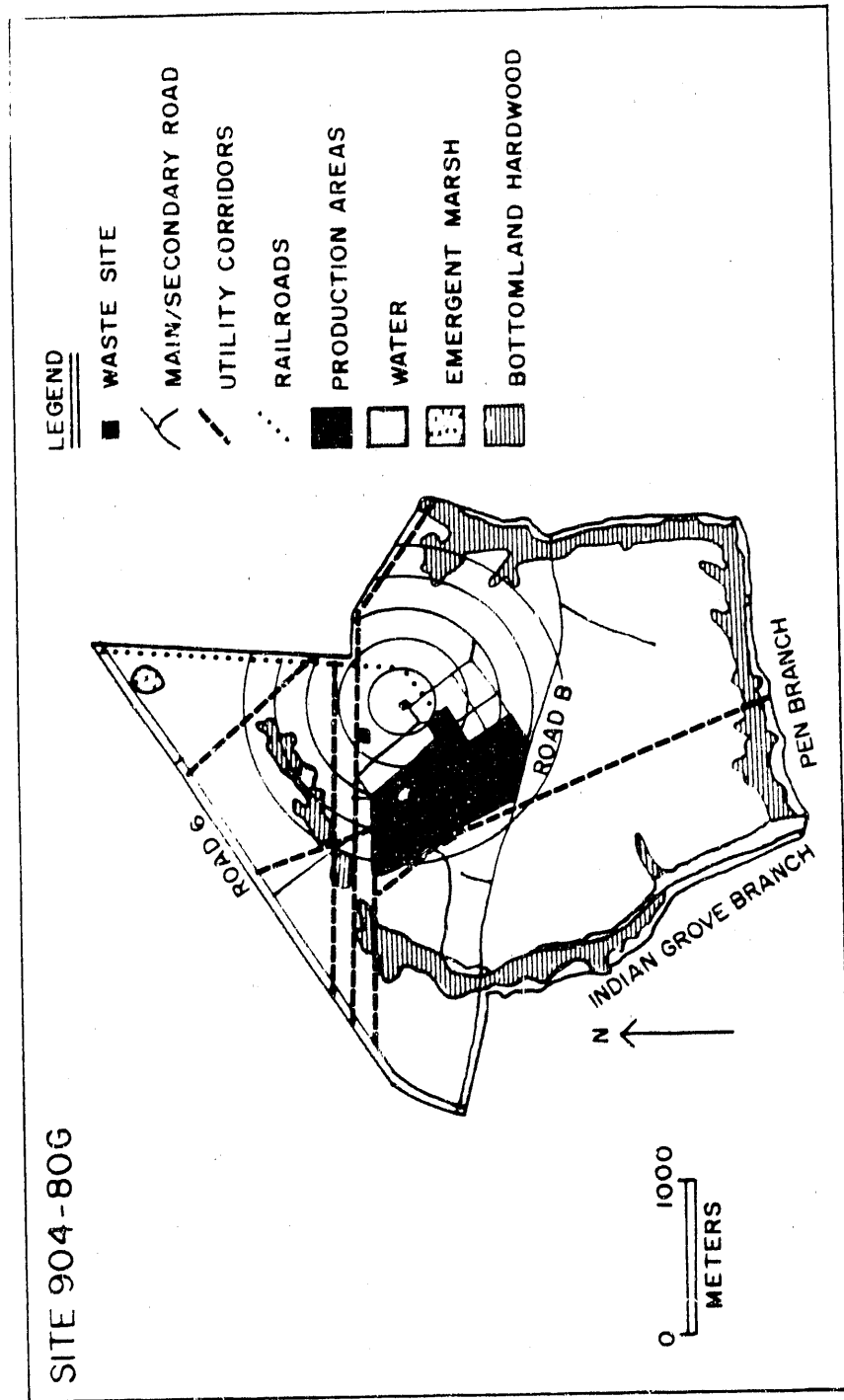


Figure 62. Wetlands Within 1000 Meters of Waste Site 904-80G, N-Area Acid/Caustic Basin

SITE 904-65G

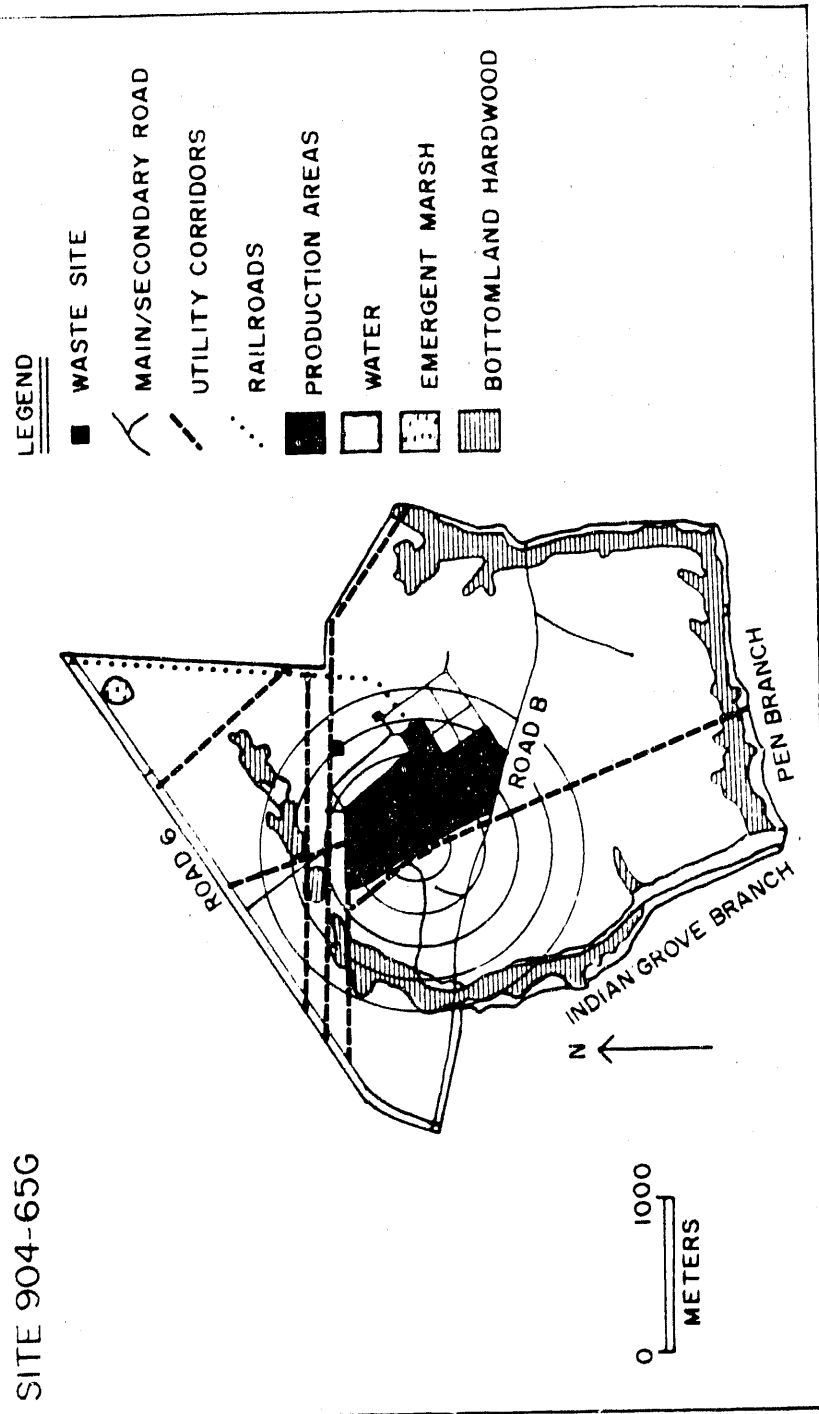


Figure 63. Wetlands Within 1000 Meters of Waste Site 904-65G, K-Area Seepage Basin

SITE 643-IG

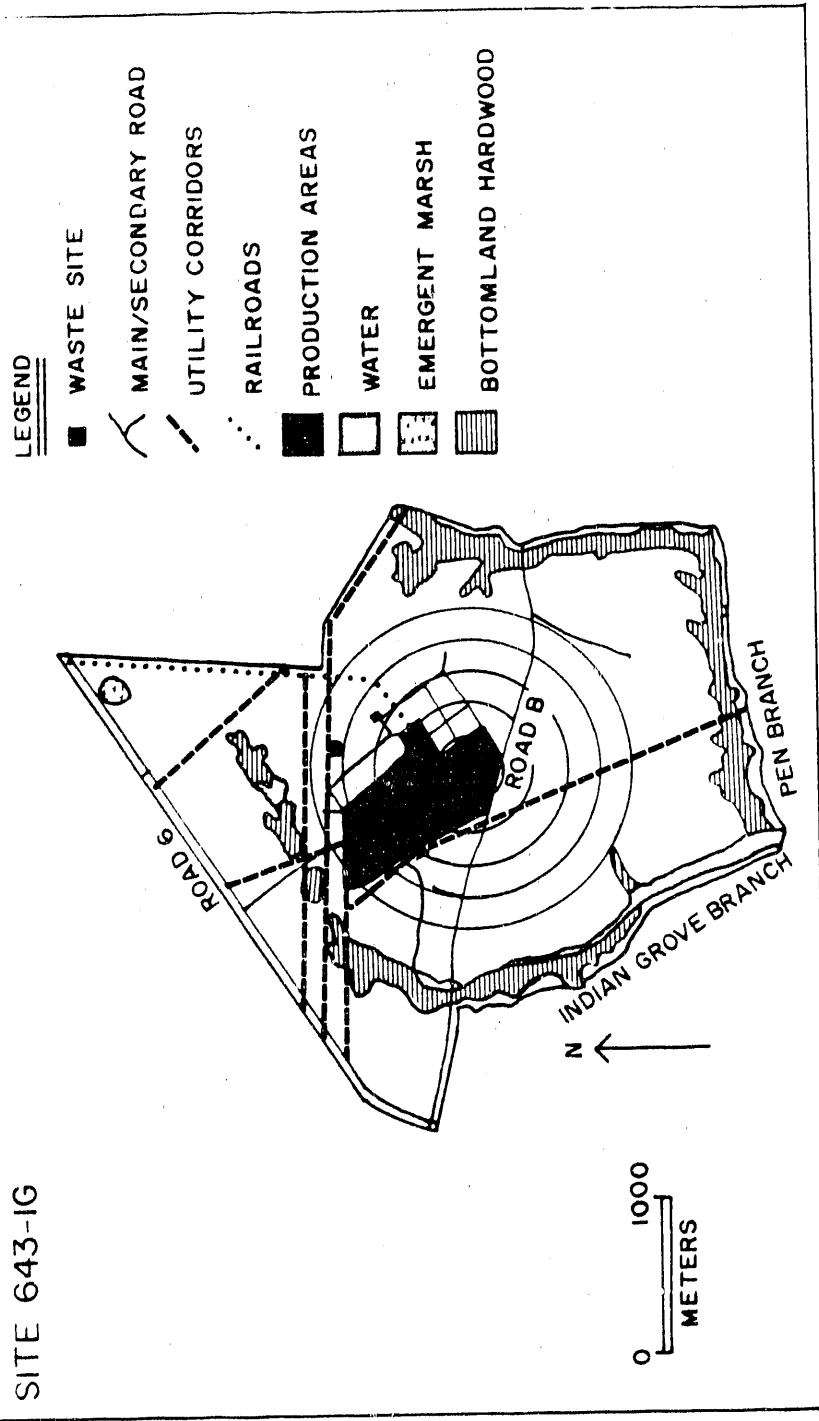


Figure 04. Wetlands Within 1000 Meters of Waste Site 643-IG, K-Area Bingham Pump Outage Pit

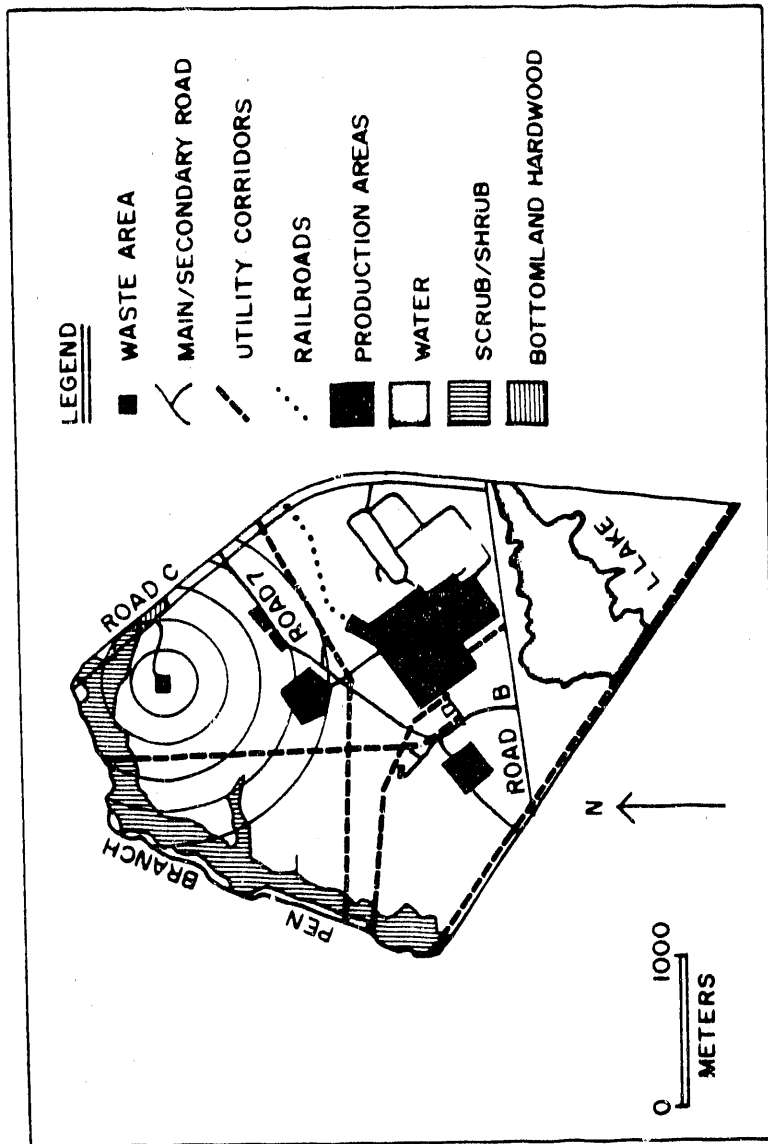


Figure 65. Wetlands Within 1000 Meters of Waste Site CMP Pits

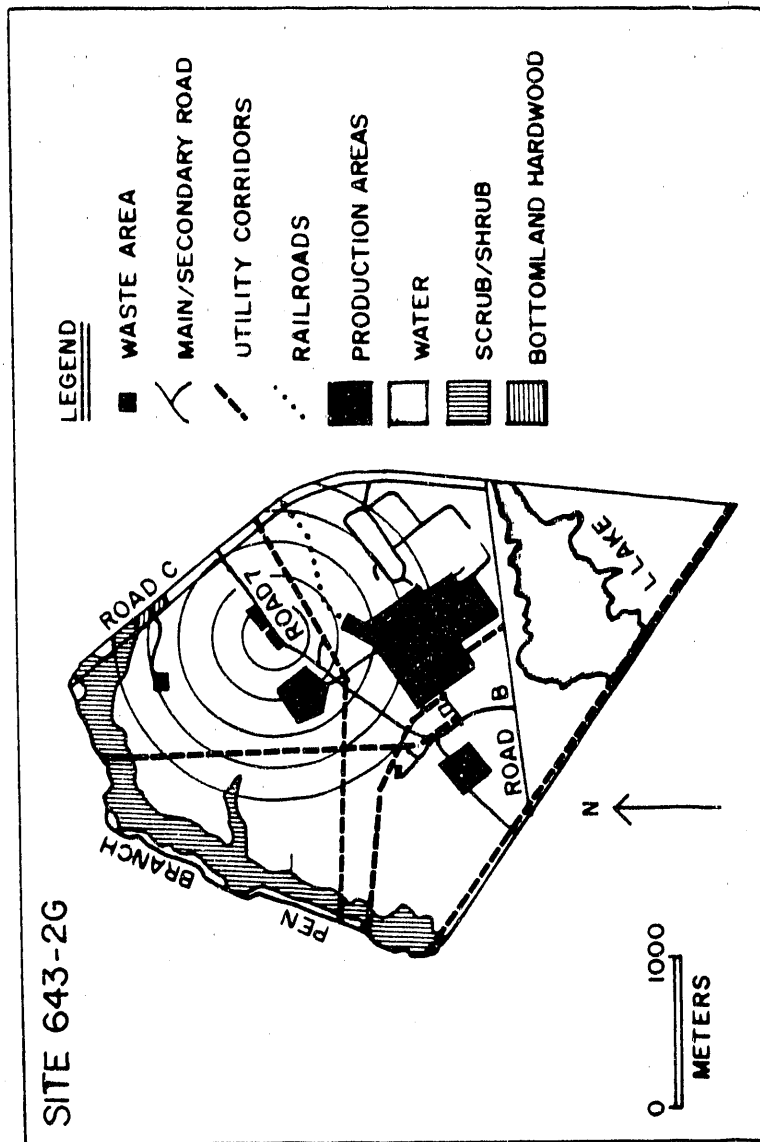


Figure 66. Wetlands Within 1000 Meters of Waste Site 643-2G, L-Area

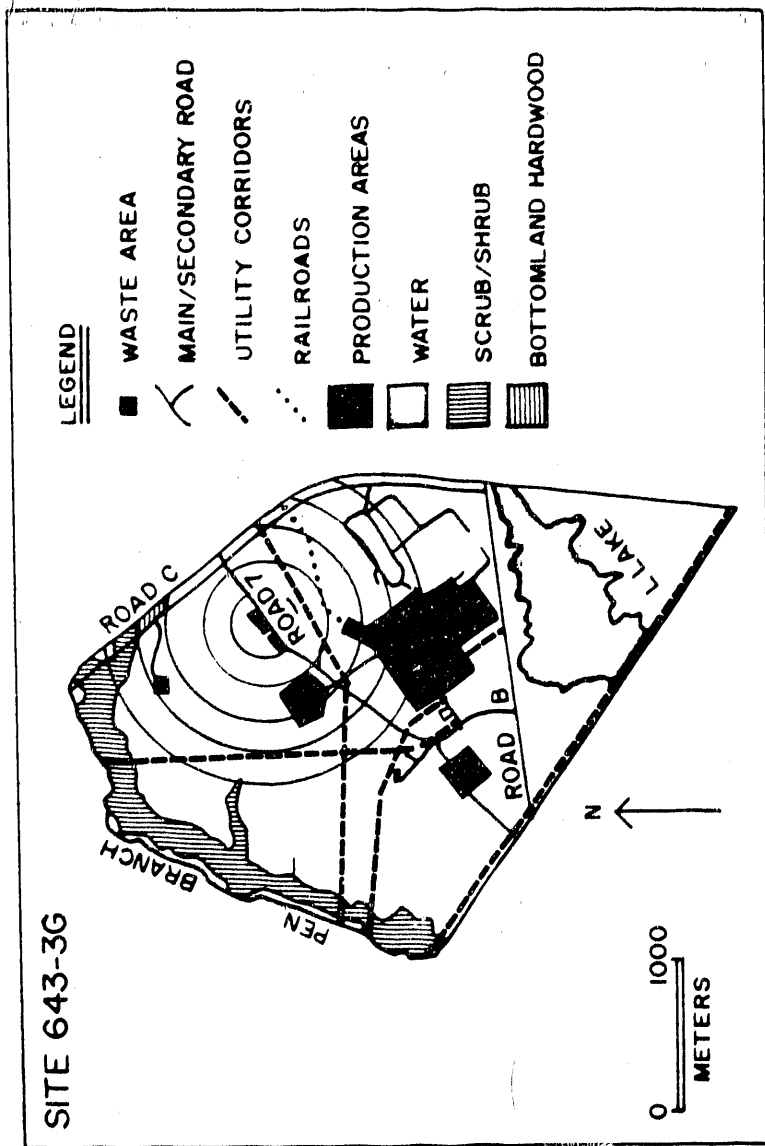


Figure 67. Wetlands Within 1000 Meters of Waste Site 643-3G, I.-Area Bingham Pump Outage Pit



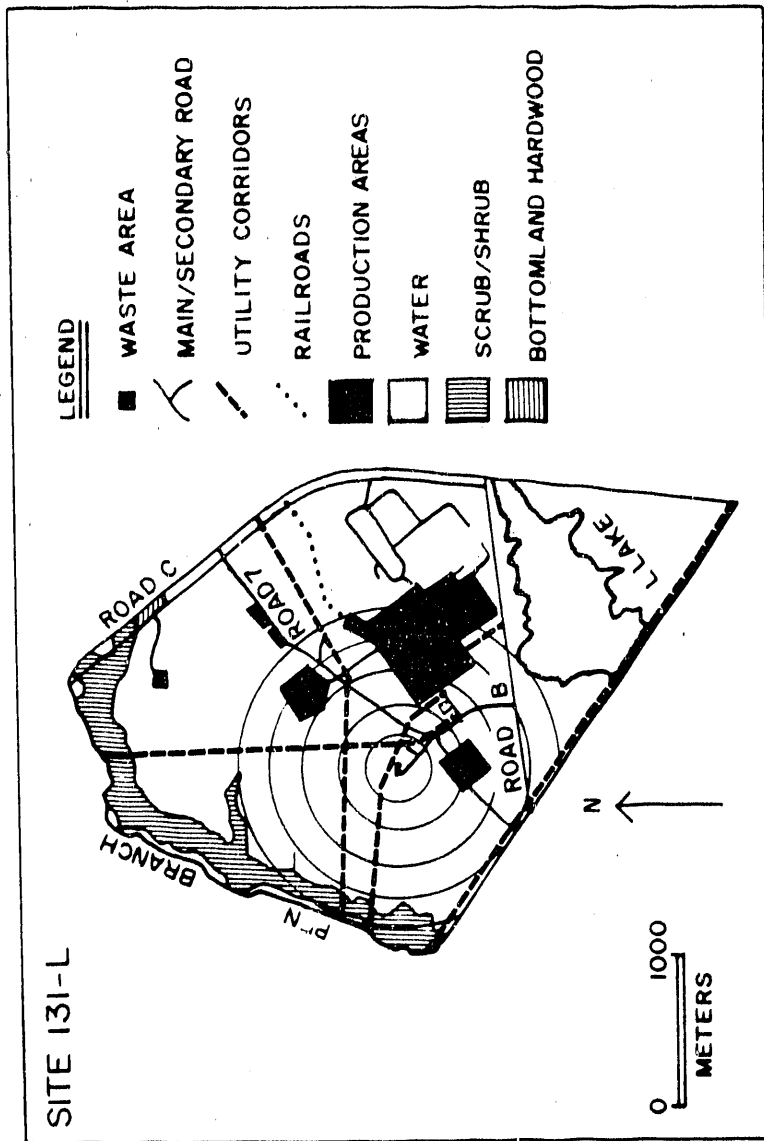


Figure 68. Wetlands Within 1000 Meters of Waste Site I31-L, L-Area Burning/Rubble Pit

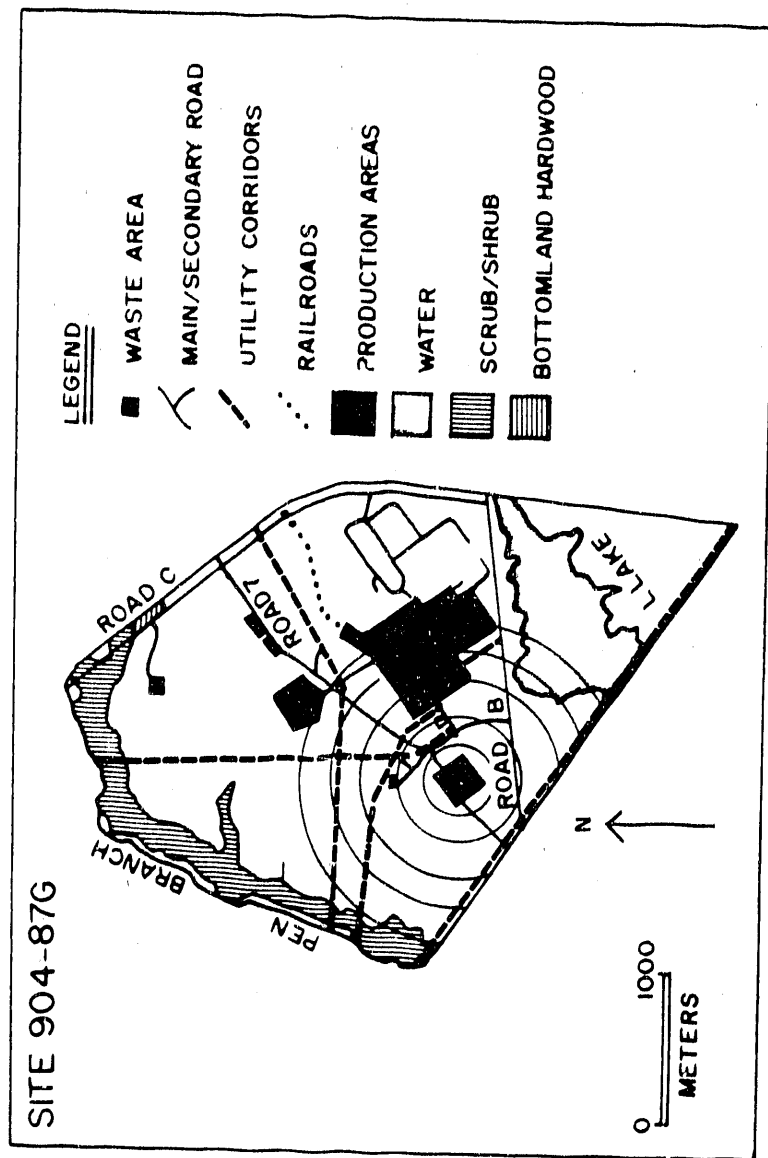


Figure 69. Wetlands Within 1000 Meters of Waste Site 904-87G, L-Area Containment Basin

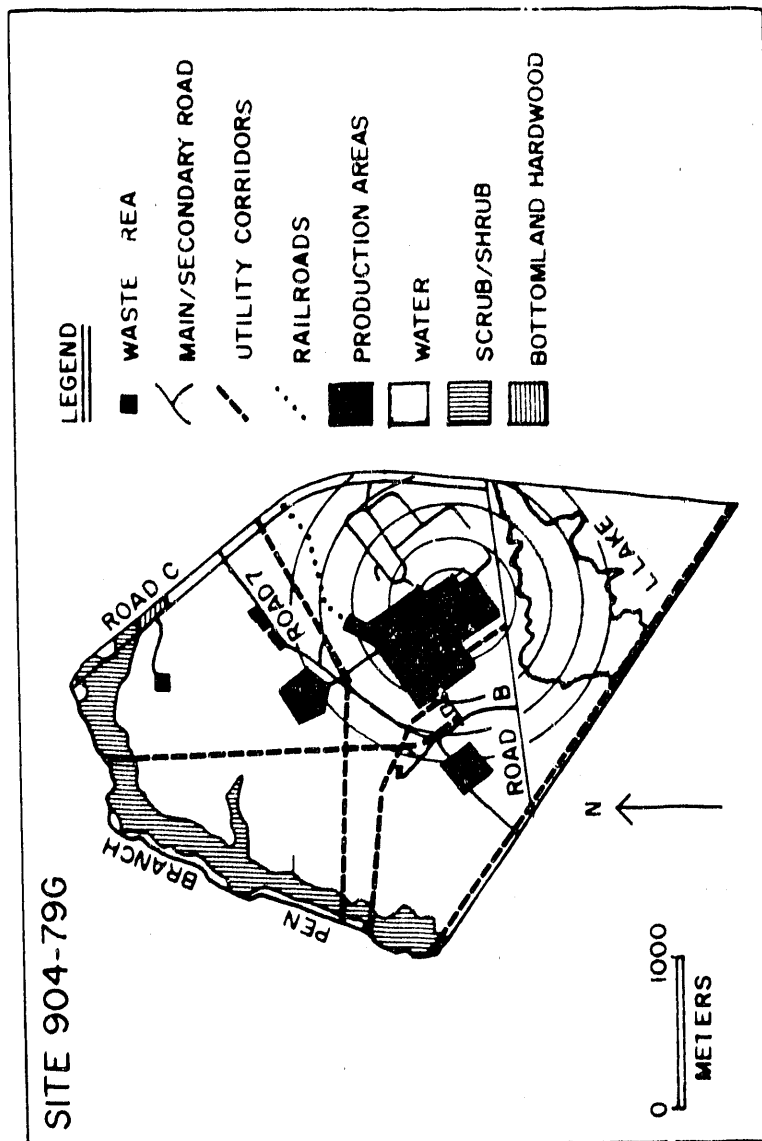


Figure 70. Wetlands Within 1000 Meters of Waste Site 904-79G, i.-Area Acid/Caustic Basin

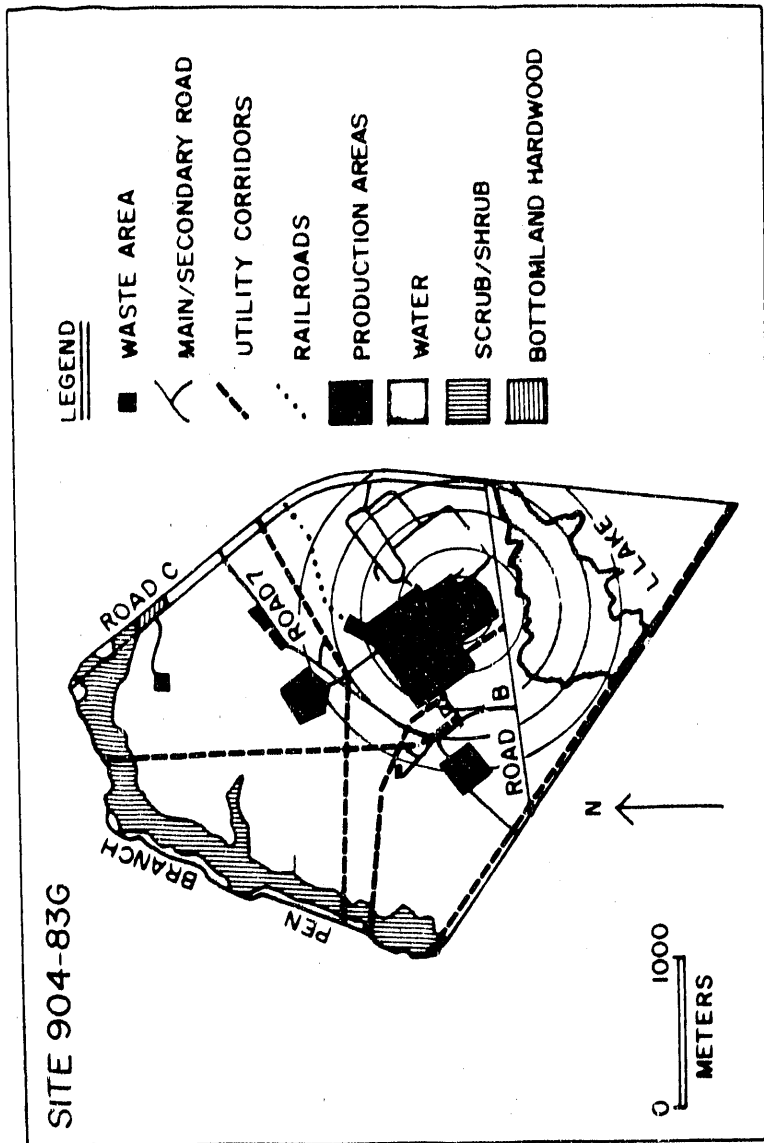


Figure 71. Wetlands Within 1000 Meters of Waste Site 904-83G, I.-Area Oil and Chemical Basin

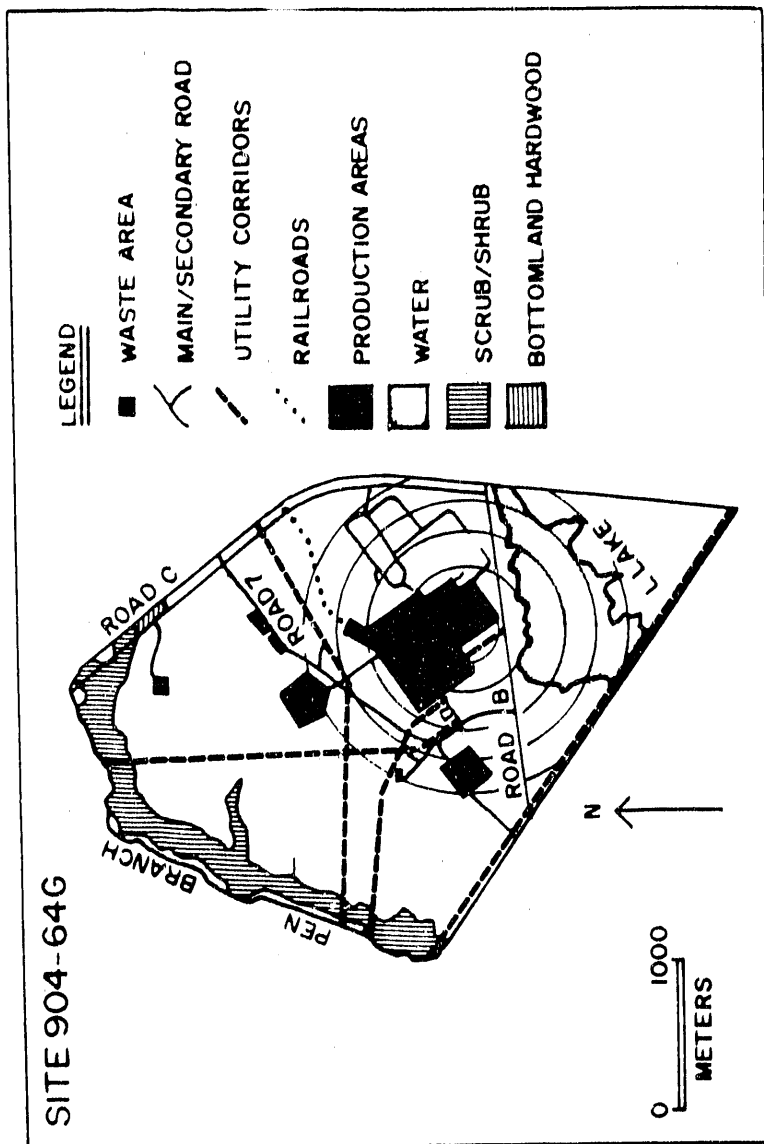


Figure 72. Wetlands Within 1000 Meters of Waste Site 904-64G, L-Area: Seepage Basin

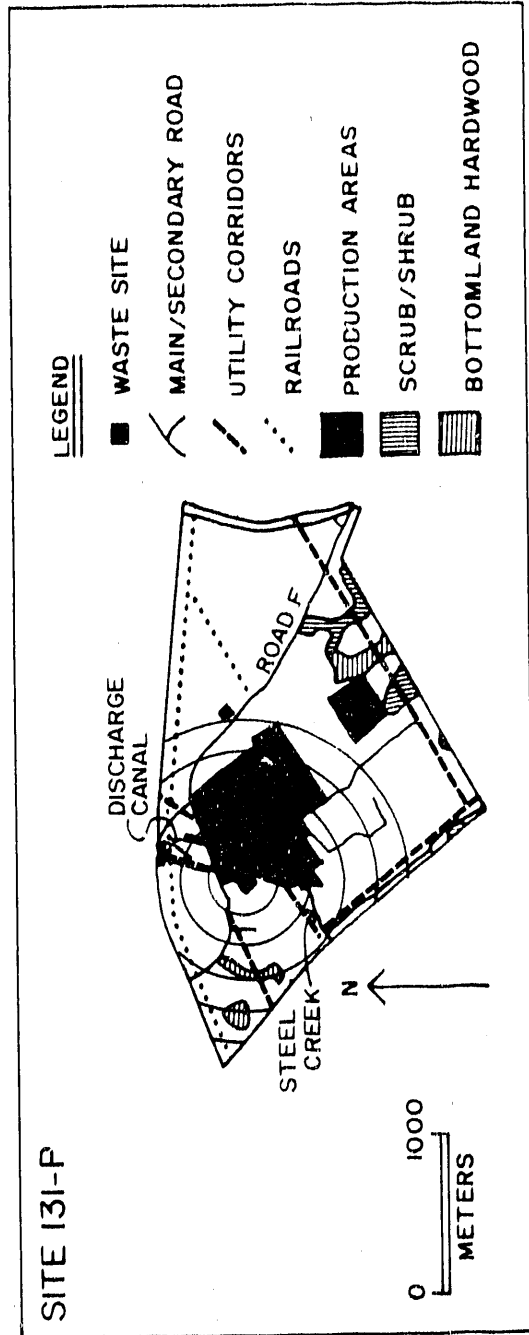


Figure 73. Wetlands Within 1000 Meters of Waste Site 131-P, P-Area Burning/Rubble Pit

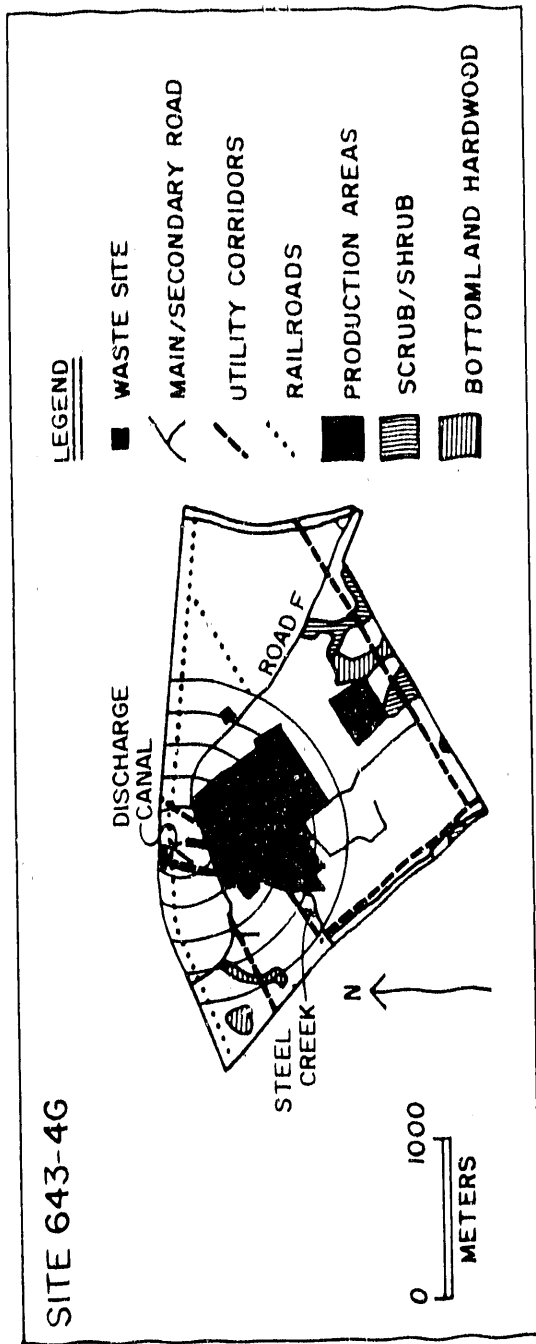


Figure 74. Wetlands Within 1000 Meters of Waste Site 643-4G, P-Area Bingham Pump Outage Pit

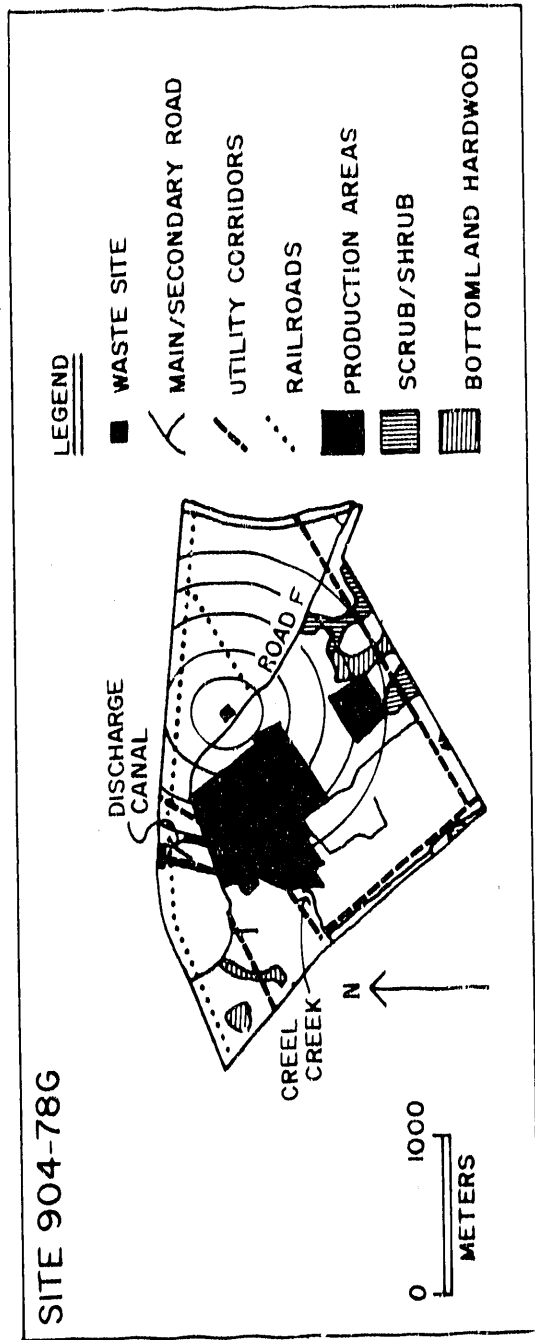


Figure 75. Wetlands Within 1000 Meters of Waste Site 904-78G, P-Area Acid/Caustic Basin



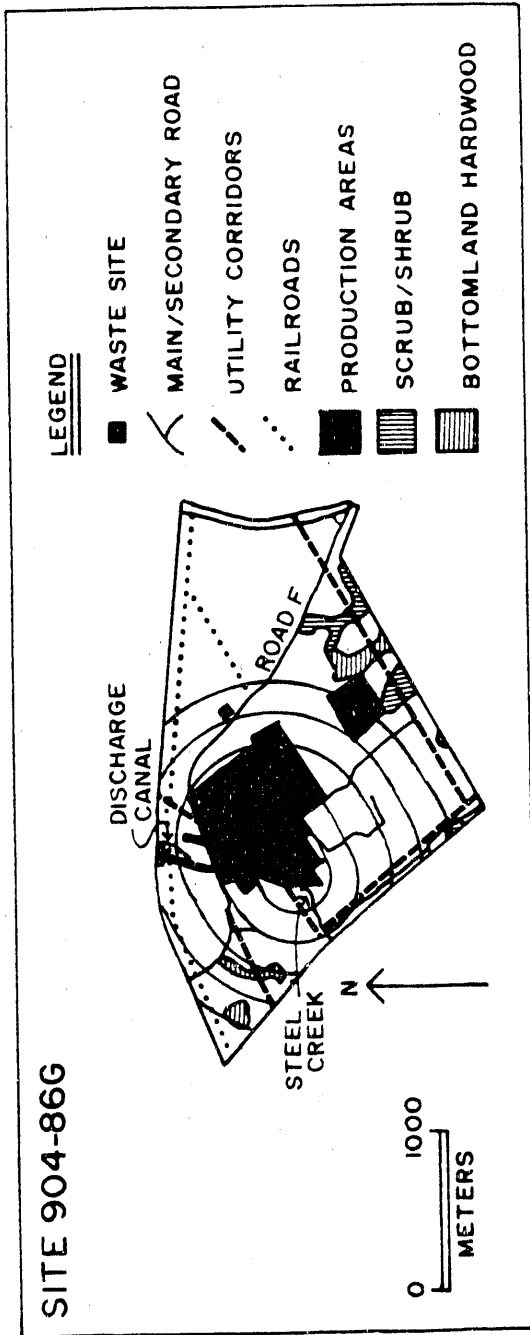


Figure 76. Wetlands Within 1000 Meters of Waste Site 904-86G, P-Area Containment Basin

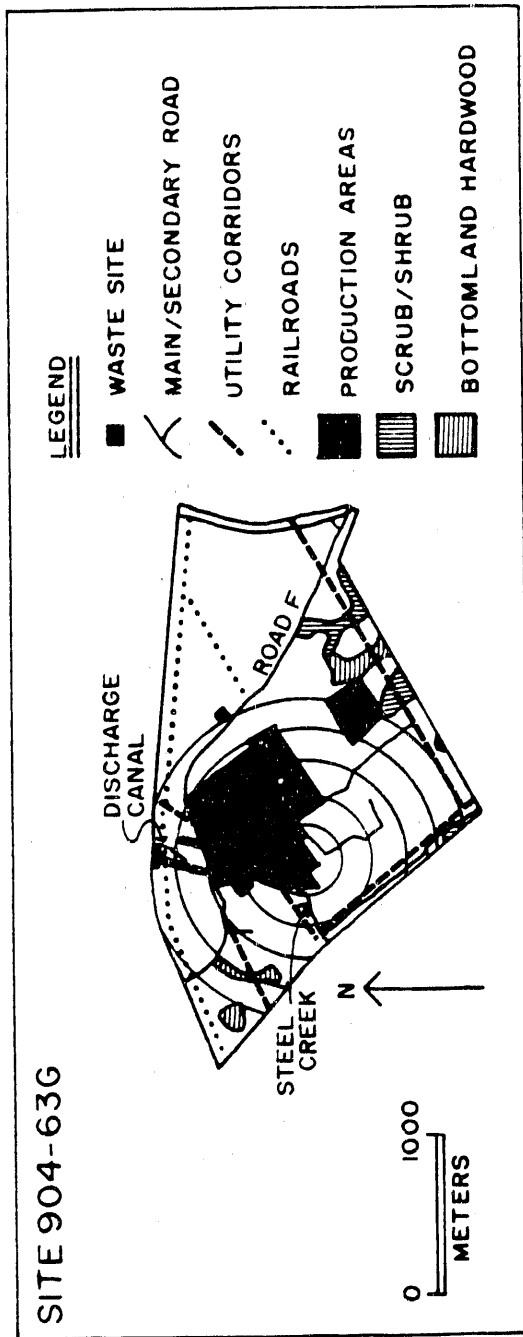


Figure 77. Wetlands Within 1000 Meters of Waste Site 904-63G, P-Area Seepage Basin

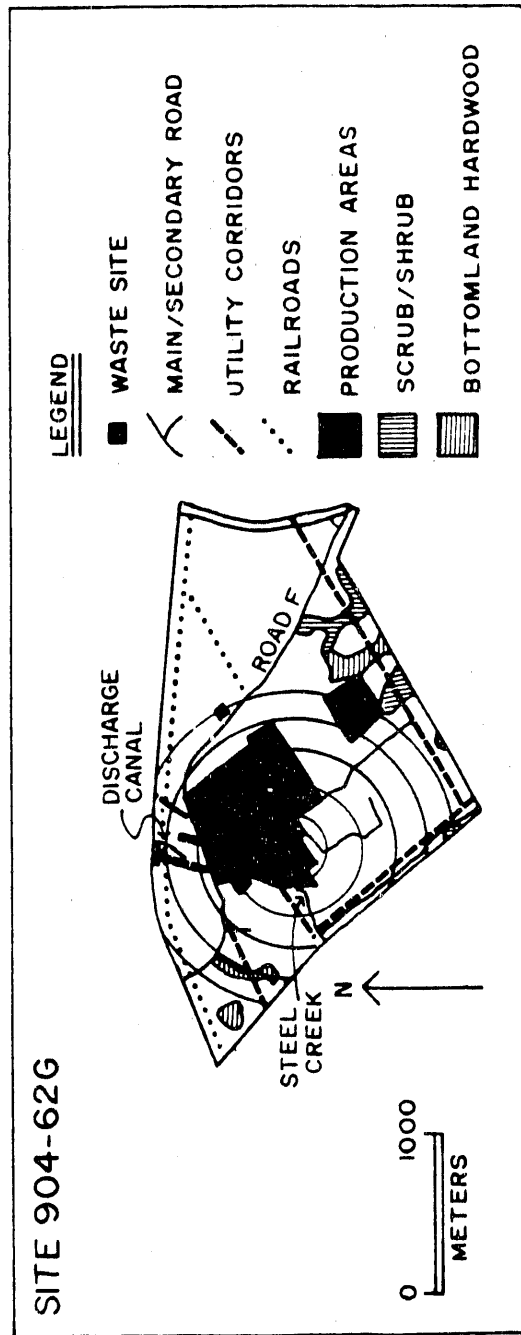


Figure 78. Wetlands Within 1000 Meters of Waste Site 904-62G, P-Area Seepage Basin

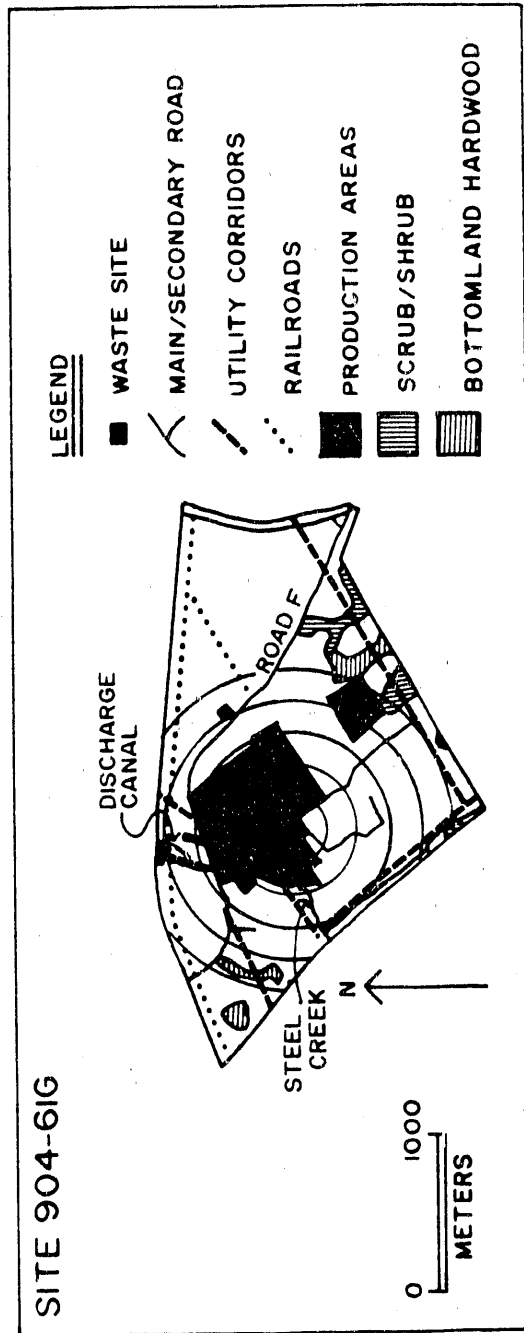


Figure 79. Wetlands Within 1000 Meters of Waste Site 904-61G, P-Area Seepage Basin

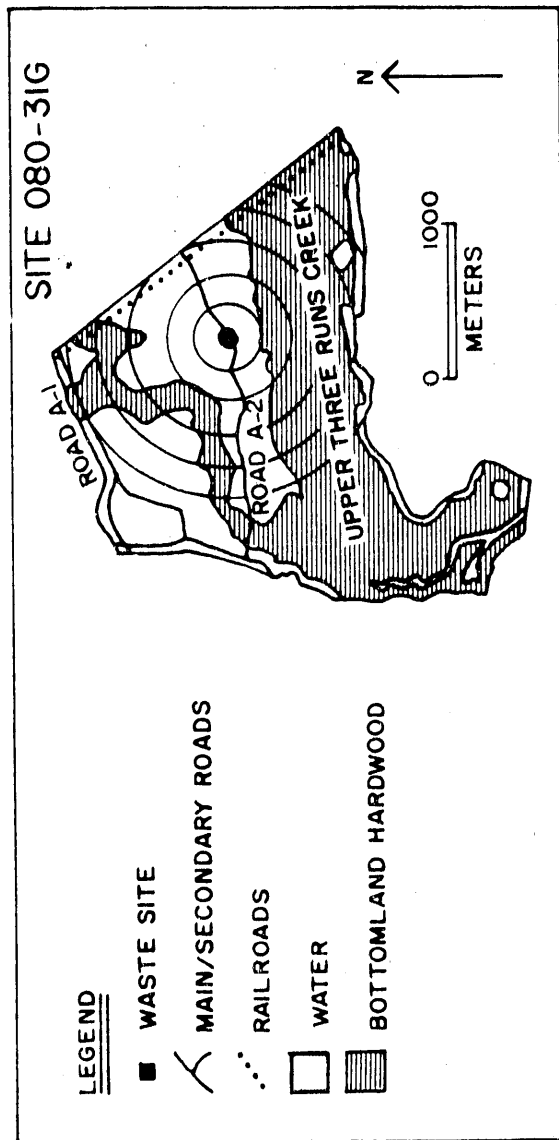


Figure 80. Wetlands Within 1000 Meters of Waste Site 090-31G, Gunsite 72 Rubble Pile

**END**

**DATE FILMED**

02 / 13 / 91

