

OLD PUMPKIN

LOCATION

The Old Pumpkin Site consists of about 340 acres of logged-off hillside located north of North Plains on Old Pumpkin Ridge Road in Washington County (Figure 1). Its specific location is Section 31 T2N R2W (Figure 2).

ZONING

The site is zoned GFU 38.

CURRENT SITE USE

Existing site use is agricultural and residential.

ADJACENT LAND USE

Surrounding land use is agricultural and residential.

GEOLOGY

The majority of the surficial material at the site location is Willamette silt. This unit consists of bedded silts and fine sand with occasional lenses of clay. To the northwest these deposits grade into Upland silt and a small portion of Helvetia Formation. The Upland silt consists of materials much like the Willamette silt except it is somewhat finer and evidence of bedding is usually lacking. Upland silt is usually thought of as being a wind blown deposit. The Helvetia Formation consists of poorly cemented sand, sandy silt, and silty clay with thin pebble beds. Beneath the Willamette silt the Troutdale Formation is found about 50 feet below the surface. The Troutdale Formation thins to the north and is probably non-existent north of the Helvetia Formation outcrop (Figure 3).

GROUNDWATER

Well logs on file with the USGS show very few wells; those that produce moderate amounts of water are in the Columbia River basalt. One shallow well in the silt goes dry in the summer and yields five gallons per minute in the winter (Figure 2). Wells developed in the silts commonly report iron-bearing water. The low yield of wells in these silts indicate a low permeability for this material at this location.

SOIL

On-site soils appear to be Class V, VI, VII and VIII soils.

SURFACE WATER

Most of the site lies on an upland terrace with the topography rising steeply to the northeast (Figure 4). Runoff from this higher ground

would have to be controlled by an interceptor ditch. There are natural drainages leading from the site to the southwest and southeast. Leachate should be collected before it can enter these channels.

Limited well data indicate that the underlying strata have low permeability; therefore, leachate will not filter down into the groundwater. The slope of the site should aid in the collection of leachate for treatment.

COVER

Cover material is available on site.

CAPACITY

Capacity is estimated to be 3,500,000 tons.

ACCESS

Site access is via Old Pumpkin Ridge Road. The Site is approximately 29 miles from Rossmans Landfill.

CLIMATE

Annual precipitation is 41 inches per year.

TA:bk
7338/103
Prepared by Metro Staff

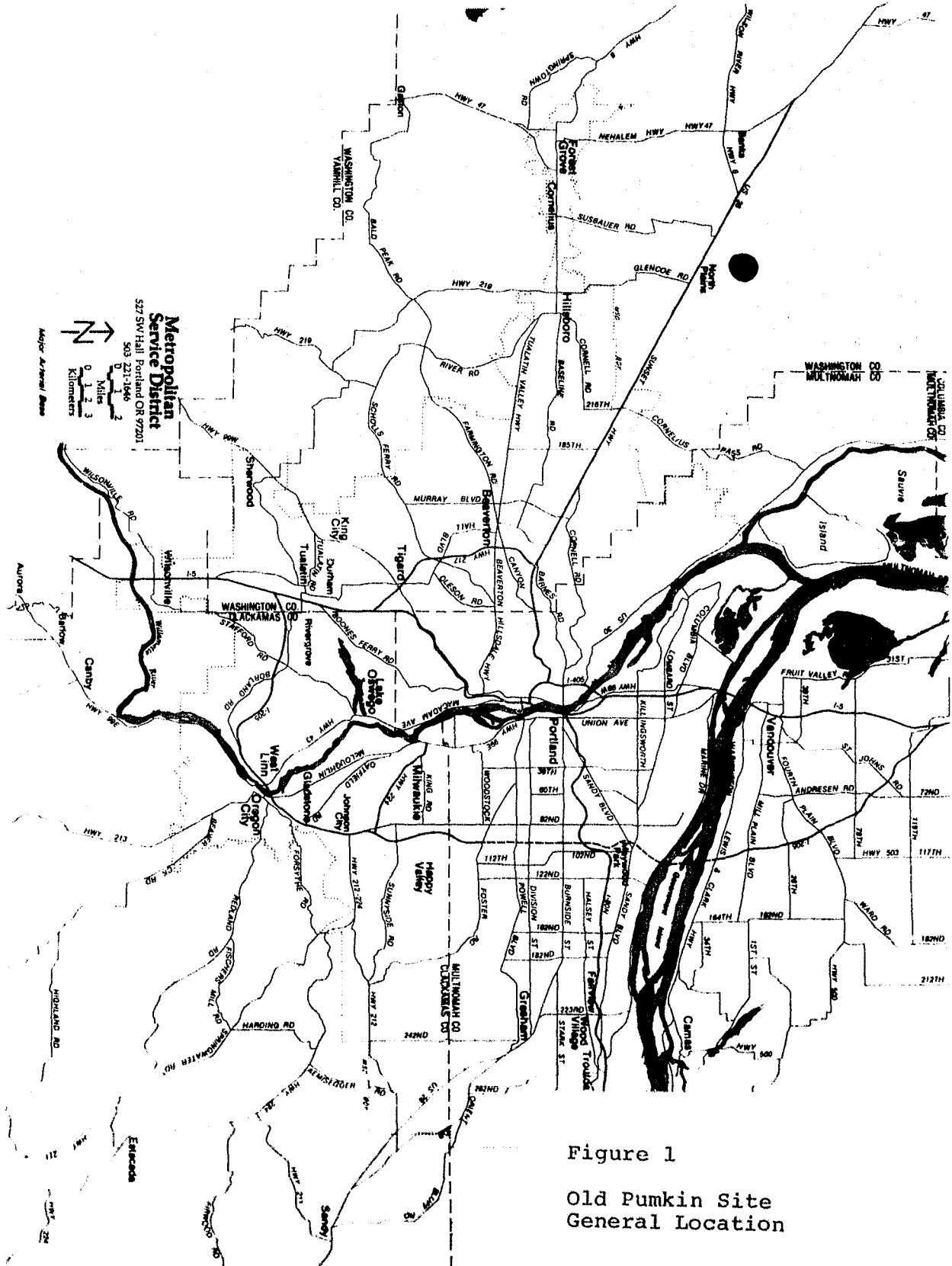
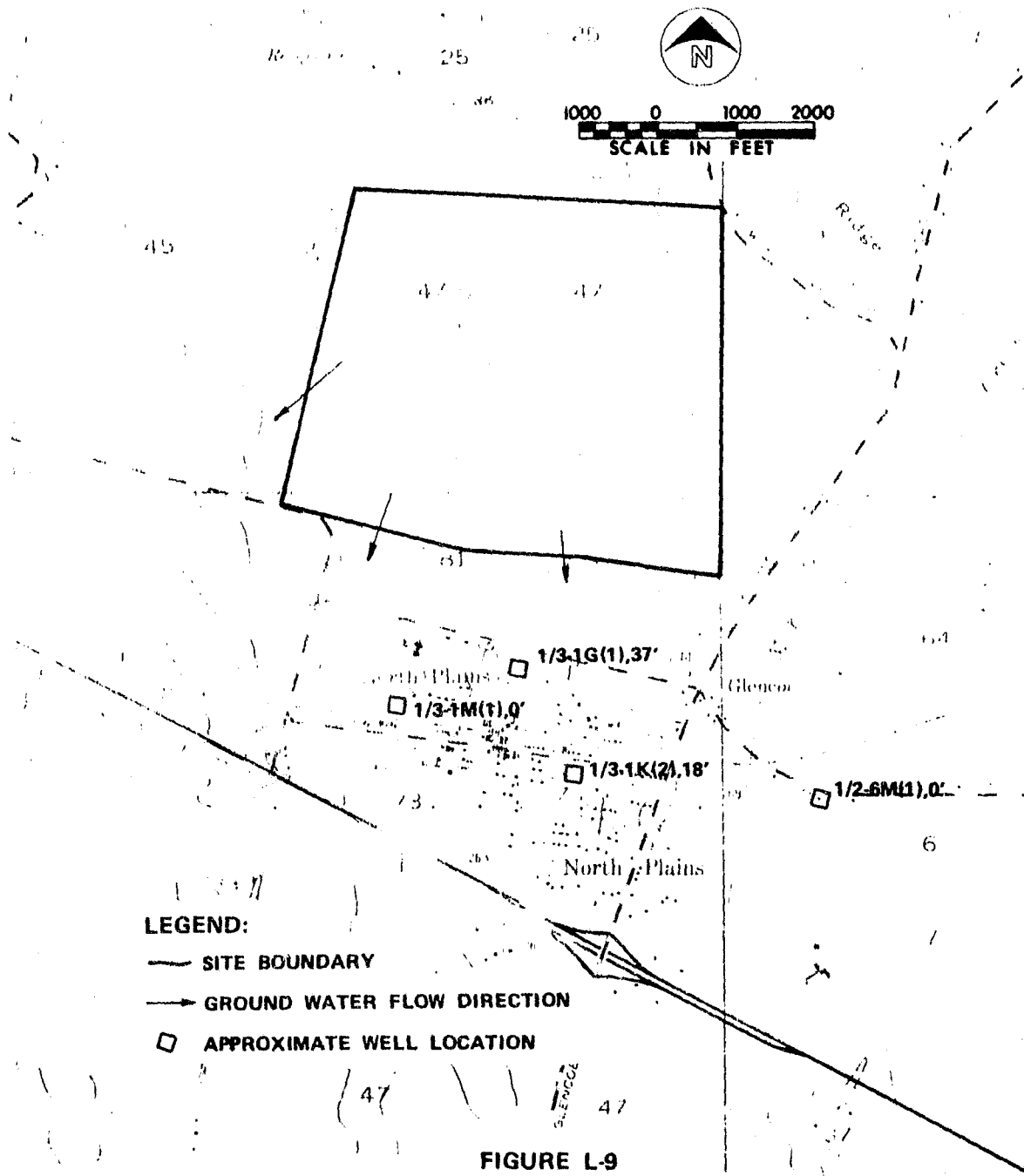


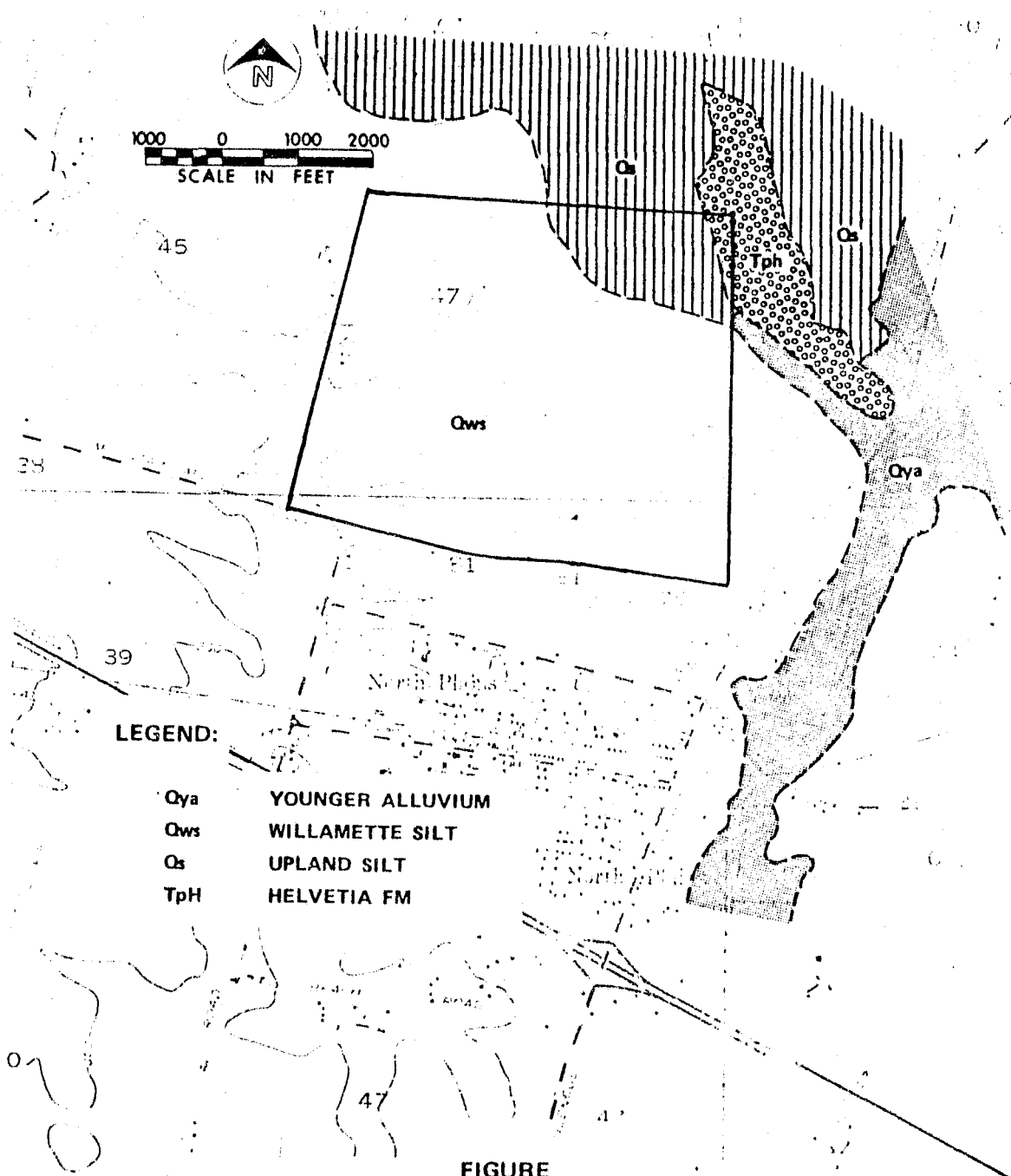
Figure 1
 Old Pumpkin Site
 General Location



- LEGEND:**
- SITE BOUNDARY
 - GROUND WATER FLOW DIRECTION
 - APPROXIMATE WELL LOCATION

FIGURE L-9
METROPOLITAN SERVICE DISTRICT
SOLID WASTE MANAGEMENT ACTION PLAN
GREATER PORTLAND

OLD PUMPKIN POTENTIAL Figure 2
 Old Pumpkin Site
 Specific Location



LEGEND:

- Qya YOUNGER ALLUVIUM
- Qws WILLAMETTE SILT
- Qs UPLAND SILT
- TpH HELVETIA FM

FIGURE
METROPOLITAN SERVICE DISTRICT
SOLID WASTE MAN
GREATER P
SURFICIA

Figure 3
 Old Pumpkin Site
 Geology

21W 12W
 OLD PUMPKIN SITE

E. QUADRANGLE
 WASHINGTON CO.
 98 (TOPOGRAPHIC)
 U.S. GEOLOGICAL SURVEY

Shady Brook School
 Shady Brook Bible
 Church
 Logan Root Celler

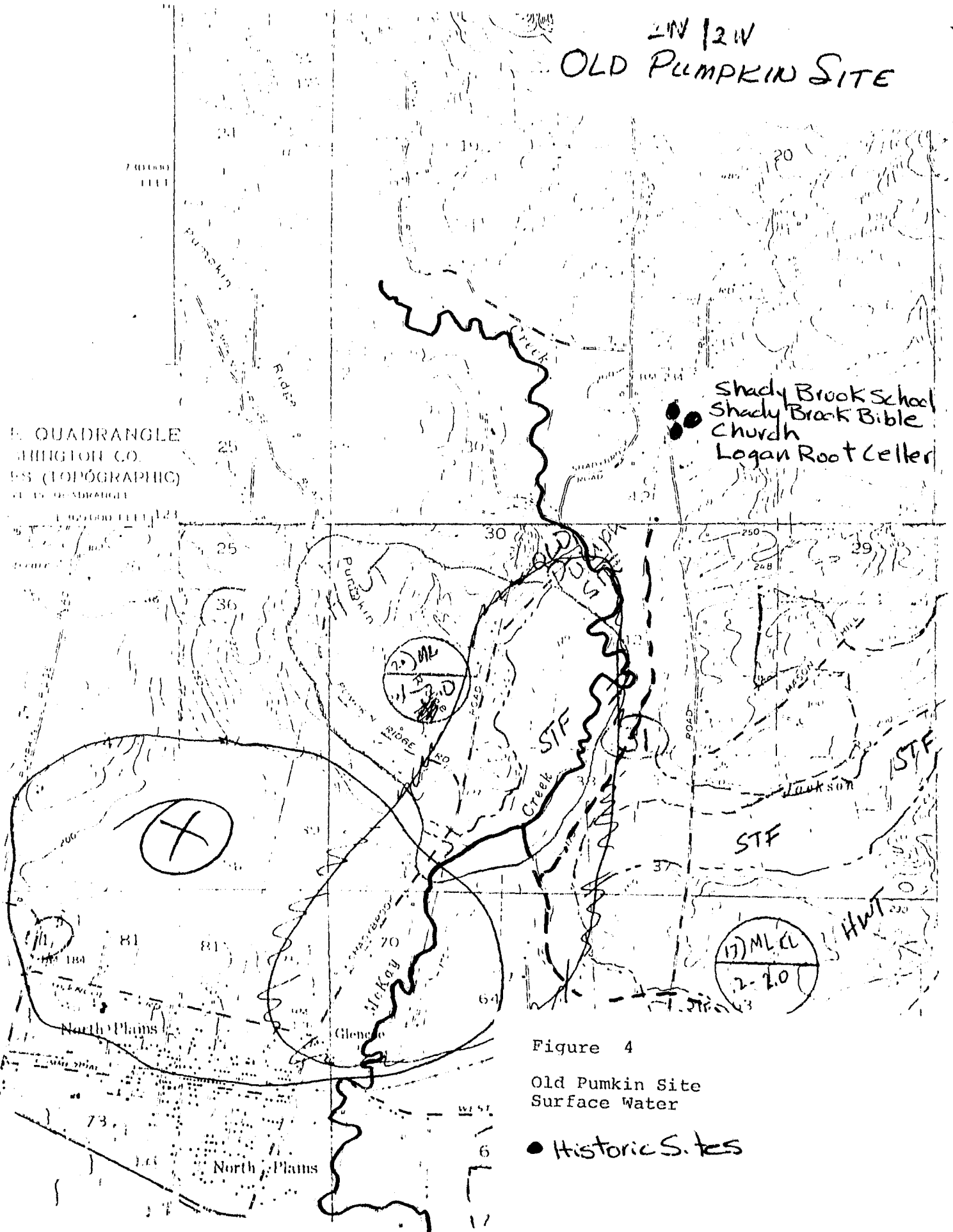


Figure 4
 Old Pumpkin Site
 Surface Water

● Historic Sites