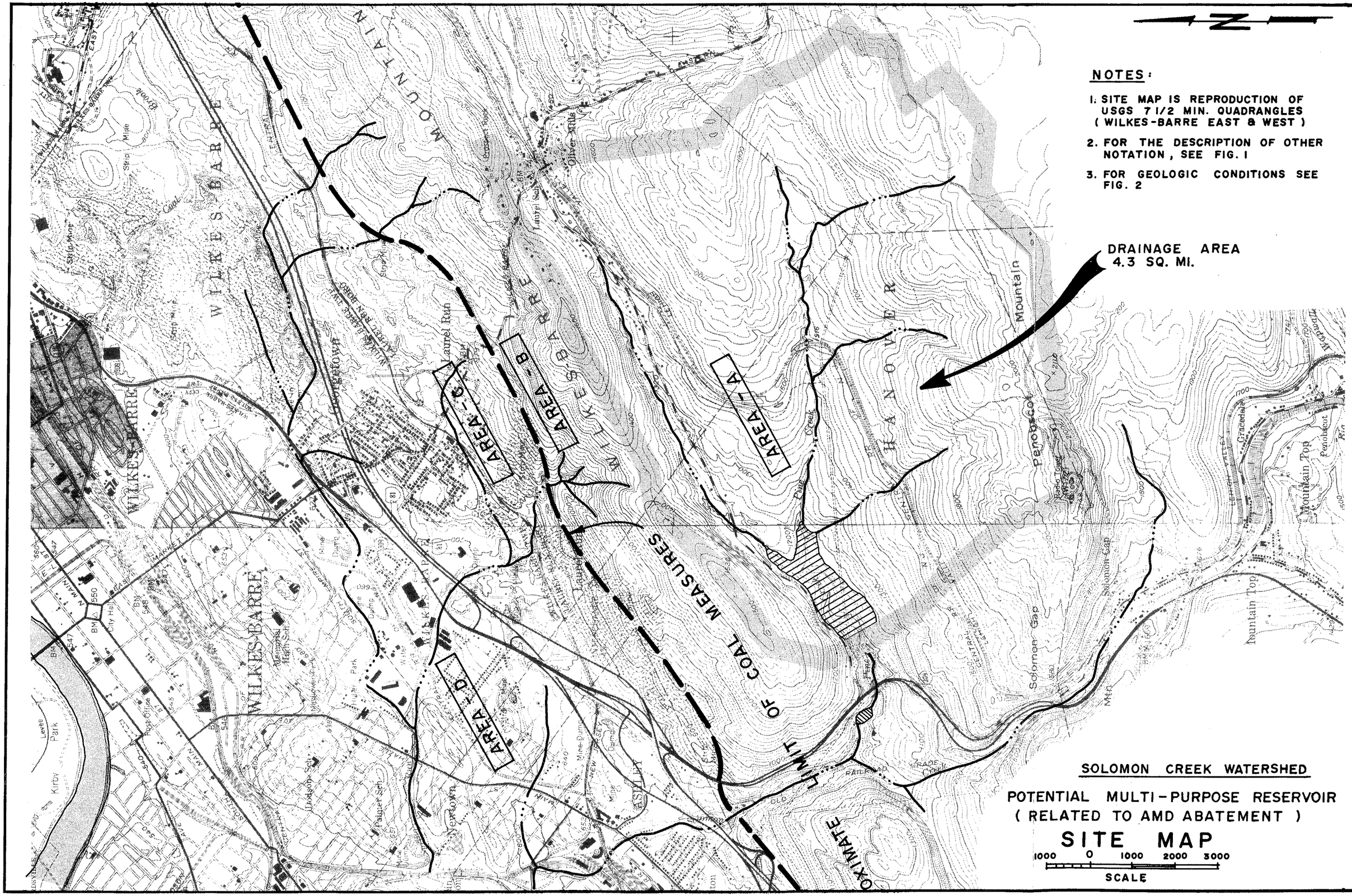
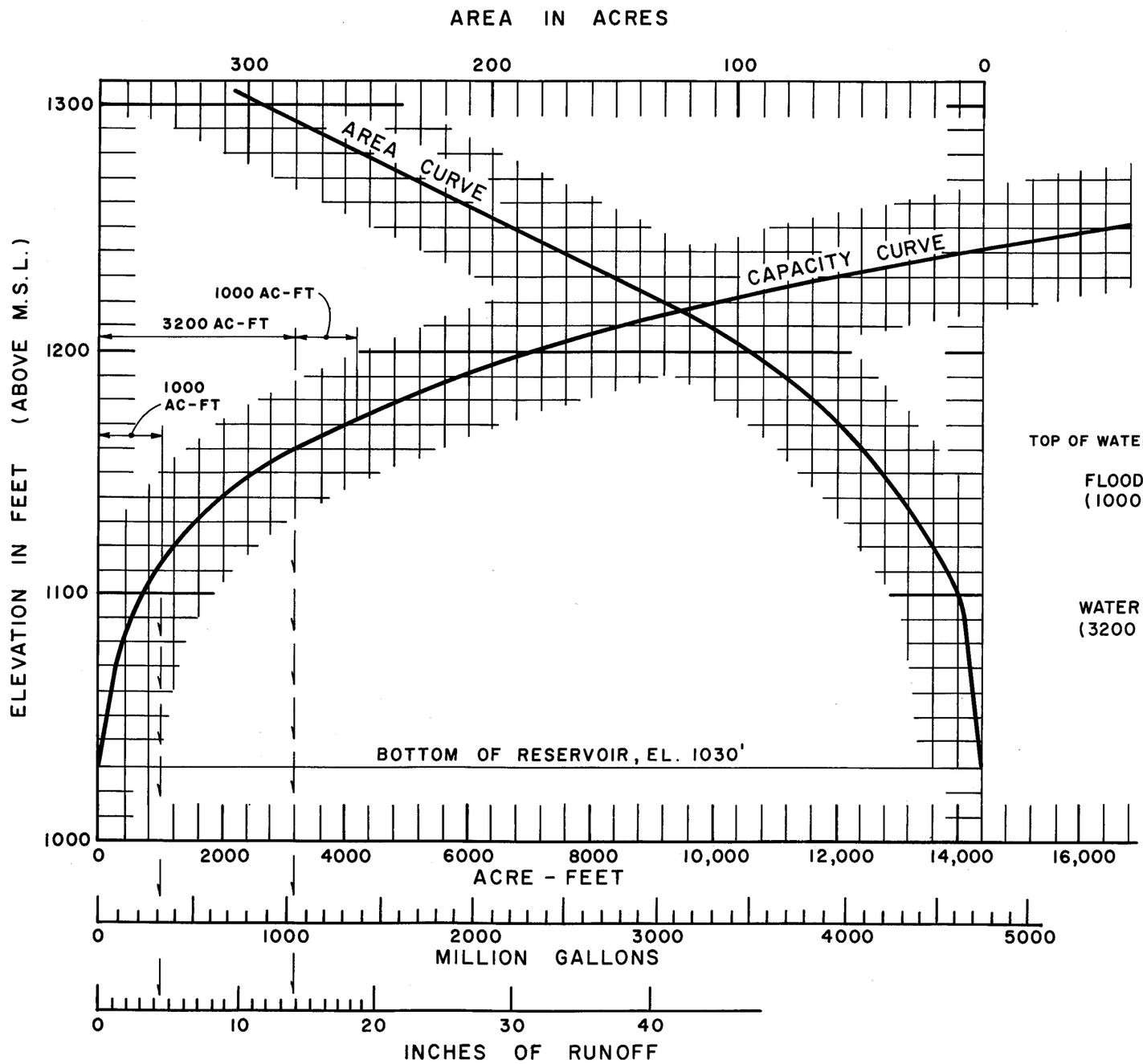
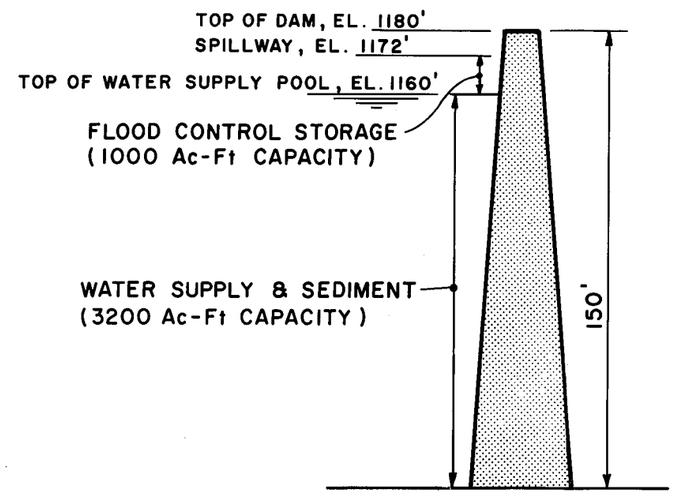

N
NOTES:
1. SITE MAP IS REPRODUCTION OF USGS 7 1/2 MIN. QUADRANGLES (WILKES-BARRE EAST & WEST)
2. FOR THE DESCRIPTION OF OTHER NOTATION, SEE FIG. 1
3. FOR GEOLOGIC CONDITIONS SEE FIG. 2
DRAINAGE AREA 4.3 SQ. MI.
WILKES-BARRE MOUNTAIN
WILKES-BARRE RANGE
LAUREL RUN
AREA - C
AREA - B
AREA - A
AREA - D
AREA - E
AREA - F
AREA - G
AREA - H
OF COAL MEASURES
LIMIT
OXIMATE
WILKES-BARRE
SOLOMON CREEK WATERSHED
POTENTIAL MULTI-PURPOSE RESERVOIR
(RELATED TO AMD ABATEMENT)
SITE MAP
1000 0 1000 2000 3000
SCALE



STORAGE CAPACITY

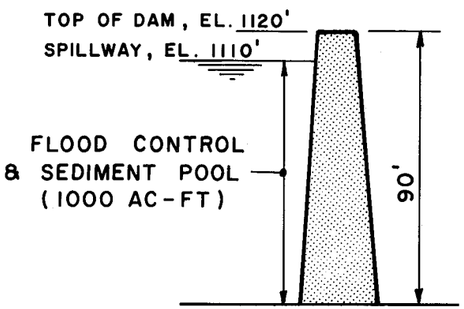
PERTINENT DRAINAGE AREAS

DESCRIPTION	AREA	
	SQ. MILES	ACRES
CONTROLLED: (By the proposed dam)	4.33	2,770
UPSTREAM OF COAL MEASURES	6.81	4,360
AT U.S.G.S. STREAM GAGING STATION	15.70	10,050
TOTAL WATERSHED (at Mouth)	18.40	11,780



MULTI-PURPOSE STRUCTURE

(WATER SUPPLY & FLOOD CONTROL)



SINGLE-PURPOSE STRUCTURE

(FLOOD CONTROL)

ALTERNATIVE PROPOSALS FOR STRUCTURAL MEASURES

SOLOMON CREEK WATERSHED
HANOVER TWP., LUZERNE CO., PA.

CONSIDERATION FOR "CONJUNCTIVE USE OF WATER"
(FLOOD CONTROL, WATER SUPPLY & AMD POLLUTION ABATEMENT)

GEO-Technical Services
CONSULTING ENGINEERS & GEOLOGISTS
HARRISBURG, PA.
JAN. 1974

FIGURE C-15

reservoir would be sufficient to compensate for the increased runoff, resulting from the ultimate restoration of sub-area "C". The ultimate restoration consists of projects delineated in FIGURE 14, as well as the anticipated restoration of strip mine areas by local interests. Informal conversations with Federal and local agencies related to the feasibility of this multi-purpose project indicate the following possibilities:

1. The Soil Conservation Service (SCS) would consider involvement in structural measures and channel improvements for flood protection in the study area, including the Pine Creek Reservoir site. Such projects may be eligible for P.L. 566 funds or qualify for Resource Conservation and Development funds. Such structural measures can also compensate for the increase in surface runoff, resulting from AMD abatement projects. Therefore, the possible participation of SCS in flood control projects within the study area is beneficial to the AMD abatement purposes of the Department.

2. Under SCS involvement, a reservoir pool level can be maintained for water oriented recreational purposes, which will encourage local supported participation in such projects. The Luzerne County Planning Commission has expressed interest in this and other reservoir sites.

3. The Pennsylvania Gas and Water Company has the water supply franchise in the study area. The company is interested in

developing additional water supply sources. If a billion gallon storage reservoir can be developed in Pine Creek, the Company would be interested in using Pine Creek water in lieu of the Susquehanna River water. The latter source is presently under consideration for future development.

COMBINING AMD ABATEMENT WITH RECREATION AND HISTORIC PRESERVATION

BACKGROUND: "The abandoned Lehigh Valley Railroad right-of-way going through Warrior Run Borough, Hanover Township and Rice Township, is ideal for the development of hiking, biking, horseback riding and snowmobile trails. It is an area in which emphasis can be placed on a nature study center for the Wyoming Valley. Interpretation at various vistas along the trail could tell the story of geological development of the Wyoming Valley." The aforementioned is a direct quotation from Wyoming Valley Open Space and Historic Preservation Sketch Plan, dated January, 1973, prepared for the Luzerne County Planning Commission. Observations during field reconnaisance and monitoring in this area, revealed unauthorized extensive use of this right-of-way for many of these recreational uses by local residents; indicating that such a facility is desired and needed. Implementation of such a facility should be combined and coordinated with proposed AMD abatement plans for the area.

PROJECT DESCRIPTION: The major theme of the project is to portray the history of anthracite mining. It consists of collecting and restoring old unused mining equipment, presently scattered throughout the Wyoming Valley, and displaying this equipment in the outdoor Mine Museum location shown in FIGURE C-16.

The efforts of the Pennsylvania Department of Environmental Resources to abate acid mine drainage through "Operation Scarlift" can also be demonstrated within the scope of this project as follows:

1. Rebuilding some of the old wooden flumes would combine AMD abatement with educational and historic benefits.

2. Prevention of water percolation through coal waste banks in the area by converting these banks into ski-slopes and other recreational uses would provide abatement benefits as well as demonstration of abatement methods.

Rebuilding the Old Lehigh Valley Railroad would enhance the historic preservation of the area and provide the necessary access to other historic and recreational features that are indicated in the Artist's sketch (FIGURE C-16).

If it is desired to display the historic heritage of the area, as well as provide educational and recreational facilities to the general public; lodgings and other tourist facilities can also be provided, as shown in the Artist's Sketch.