

NOTE:
THE GRID INDICATED CORRESPONDS TO THE PENNSYLVANIA
COORDINATE SYSTEM.

REFERENCE:
BECHTEL, PENNSYLVANIA POWER & LIGHT COMPANY, ALLENTOWN,
PENNSYLVANIA; SUSQUEHANNA STEAM ELECTRIC STATION UNIT 1 &
UNIT 2, ENTITLED "PLANT LOCATION SITE PLAN, JOB NO. 8856,
DRAWING NO. C-1, REVISION 9"

LEGEND:

- BEDROCK OUTCROP
- LINE OF EQUAL ELEVATION OF TOP OF BEDROCK
IN FEET ABOVE M.S.L.

1 FOOT = 0.3048 METER

NOTE:
THE SUBSURFACE CONTOURS SHOWN REPRESENT OUR EVALUATION OF THE
MOST PROBABLE CONDITIONS BASED UPON INTERPRETATION OF PRESENTLY
AVAILABLE DATA. SOME VARIATIONS FROM THESE CONDITIONS MUST BE
EXPECTED.

- KEY:
- BORINGS DRILLED UNDER DAMES & MOORE SUPERVISION
 - BORINGS DRILLED UNDER BECHTEL'S SUPERVISION
 - BORINGS DRILLED ON FLOOD PLAIN UNDER DAMES & MOORE SUPERVISION
IN 1972, FOR GROUND-WATER INVESTIGATION
 - WELLS DRILLED UNDER SUPERVISION OF RANNEY METHOD WESTERN
CORPORATION IN 1973
 - WELLS DRILLED UNDER DAMES & MOORE SUPERVISION IN 1973
 - BORINGS DRILLED UNDER GILBERT ASSOCIATES, INC., SUPERVISION
IN 1966
 - PIT FOR C.B.P. SAMPLES AND "K" VALUE TESTS (T.P.)
 - PIT FOR C.B.P. SAMPLES (T.P.)
 - TEST PIT EXCAVATED UNDER DAMES & MOORE SUPERVISION FOR
PREVIOUS INVESTIGATIONS
 - ANGLE BORINGS
 - WELLS DRILLED UNDER DAMES & MOORE SUPERVISION FOR THIS
INVESTIGATION

0 200 400 600
SCALE IN FEET

PRC
APERTURE
CARD

8309160190-02 C

SUSQUEHANNA STEAM ELECTRIC STATION
ER-OPERATING LICENSE STAGE
UNITS 1 AND 2

MAP OF SUSQUEHANNA SES SHOWING TOP-OF-
BEDROCK CONTOURS.

FIGURE 2.4-15



NOTE:
THE GRID INDICATED CORRESPONDS TO THE PENNSYLVANIA
COORDINATE SYSTEM.

REFERENCE:

BECHTEL, PENNSYLVANIA POWER & LIGHT COMPANY, ALLENTOWN,
PENNSYLVANIA; SUSQUEHANNA STEAM ELECTRIC STATION UNIT 1 &
UNIT 2, ENTITLED "PLANT LOCATION SITE PLAN, JOB NO. 8856,
DRAWING NO. C-1, REVISION 9"

LEGEND :

— 70 — LINE OF EQUAL THICKNESS OF OVERBURDEN, IN FEET

FOOT = 0.3048 METER

NOTE:
THE SUBSURFACE CONTOURS SHOWN REPRESENT OUR EVALUATION OF THE
MOST PROBABLE CONDITIONS BASED UPON INTERPRETATION OF PRESENTLY
AVAILABLE DATA. SOME VARIATIONS FROM THESE CONDITIONS MUST BE
EXPECTED.

KEY:

- △ BORINGS DRILLED UNDER DAMES & MOORE SUPERVISION
- ◆ BORINGS DRILLED UNDER RECHTEL'S SUPERVISION
- △ BORINGS DRILLED ON FLOOD PLAIN UNDER DAMES & MOORE SUPERVISION IN 1972, FOR GROUND-WATER INVESTIGATION
- △ WELLS DRILLED UNDER SUPERVISION OF RANNEY METHOD WESTERN CORPORATION IN 1973
- △ WELLS DRILLED UNDER DAMES & MOORE SUPERVISION IN 1973
- △ BORINGS DRILLED UNDER GILBERT ASSOCIATES, INC. SUPERVISION IN 1966
- ◆ PIT FOR C.B.P. SAMPLES AND "K" VALUE TESTS (T.P.)
- ◆ PIT FOR C.B.R. SAMPLES (T.P.)
- △ TEST PIT EXCAVATED UNDER DAMES & MOORE SUPERVISION FOR PREVIOUS INVESTIGATIONS
- ◆ ANGLE BORINGS
- △ WELLS DRILLED UNDER DAMES & MOORE SUPERVISION FOR THIS INVESTIGATION

A horizontal number line is shown with tick marks at 0, 200, 400, and 600. The word "FEET" is written below the line. A point is marked with a vertical line at the 400-foot position.

PRC
APERTURE
CARD

8309160190-01

SUSQUEHANNA STEAM ELECTRIC STATION
ER-OPERATING LICENSE STAGE
UNITS 1 AND 2

MAP OF SUSQUEHANNA SES SHOWING ISOPACH
CONTOURS OF OVERBURDEN THICKNESS.

FIGURE 2.4-14





KEY:
— GROUND-WATER CONTOURS AS MEASURED ON JUNE 30, 1971 (ELEVATION IN FEET)

PRC
APERTURE
CARD

8309160190-04 C

SUSQUEHANNA STEAM ELECTRIC STATION
ER-OPERATING LICENSE STAGE
UNITS 1 AND 2

MAP OF SUSQUEHANNA SES SHOWING
GROUND WATER CONTOURS IN JUNE, 1971.

FIGURE 2.4-19



- GENERAL NOTES
- LANDSCAPING SHALL BE IN ACCORDANCE WITH PP&L CO. SPECIFICATIONS LA-79828 OR AS INDICATED ON THIS DRAWING.
 - VERIFY LOCATION OF ALL UNDERGROUND FACILITIES ON SITE BEFORE STAKING AND EXCAVATING FOR PLANT MATERIAL. ADJUST LOCATION OF PLANTING, AS REQUIRED, TO AVOID INTERFERENCE WITH UNDERGROUND FACILITIES.
 - MULCH FOR TREES AND SHRUBS SHALL BE WOOD CHIPS.
 - PLANT MATERIAL LOCATIONS SHALL BE STAKED IN FIELD AND APPROVED BY COMPANY'S REPRESENTATIVE PRIOR TO PLANTING.
 - ALL TREES SHALL BE STAKED OR GUYED IN ACCORDANCE WITH THE SPECIFICATIONS.
 - LAWN AREA
MOW ALL EXISTING GROWTH WITHIN SEEDING AREA TO A MAXIMUM HEIGHT OF 4" PRIOR TO TILLAGE OPERATIONS.
APPLY AND INCORPORATE GROUND LIMESTONE AND FERTILIZER INTO SOIL AS SPECIFIED.
PLANT SEED MIX "B" AT THE RATE SPECIFIED.
 - EMBANKMENTS - SEED ALL EMBANKMENTS GREATER THAN A 3:1 SLOPE WITH CROWN VETCH PER PP&L CO. SPECIFICATIONS.

B. PLANT MATERIAL LIST.

SYMBOL	QUANTITY	SIZE	BOTANICAL & COMMON NAME	CONDITION	SPACING
RM	81	1 1/2 - 1 3/4" CAL.	ACER RUBRUM - RED MAPLE	B. R.	40'
CB	13	8-10"	BETULA PAPERIFERA - CANOE BIRCH	B. R.	35'
F.D.	18	5-6"	CORNUS FLORIDA - WHITE DOGWOOD	B&B	35'
SL	25	1 1/2 - 1 3/4" CAL.	GLEDTISIA TRIACANTHOS INERMIS SKYLINE - SKYLINE LOCUST	B. R.	35'
AP	299	3-4"	PINUS NIGRA - AUSTRIAN PINE	B&B	20'
WP	241	4-5"	PINUS STROBUS - WHITE PINE	B&B	20'
BP	104	3-4"	PINUS THUNBERG - JAPANESE BLACK PINE	B&B	20'
RG	58	1 1/2 - 1 3/4" CAL.	QUEECUS BOREALIS - NORTHERN RED OAK	B. R.	40'
SO	55	1 1/2 - 1 3/4" CAL.	QUERCUS IMBRICARIA - SHINGLE OAK	B. R.	40'
CH	54	4-5"	TSUGA CANADENSIS - CANADA HEMLOCK	B&B	20'

- LEGEND
- ① LANDSCAPING PHASE 1
 - ② LANDSCAPING PHASE 2
 - ③ LANDSCAPING PHASE 3
 - EXISTING VEGETATION PRESERVED
 - EROSION CONTROL SEEDING
 - PLANT GROUPING
 - MEADOW SEEDING
 - LOW GROWING PLANTS

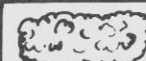

8389160190-05

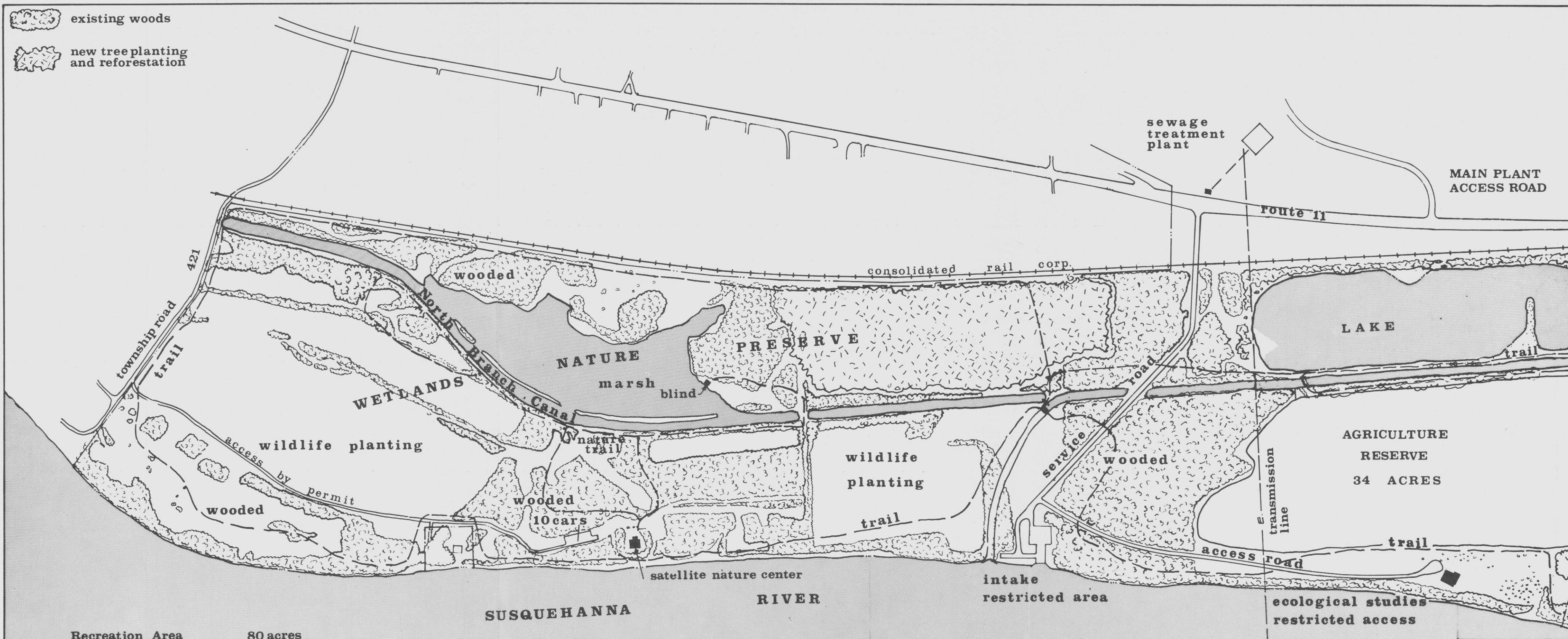
SUSQUEHANNA STEAM ELECTRIC STATION
ER-OPERATING LICENSE STAGE
UNITS 1 AND 2

LANDSCAPING PLAN

FIGURE 3.1-4

PRC
APERTURE
CARD

-  existing woods
-  new tree planting and reforestation

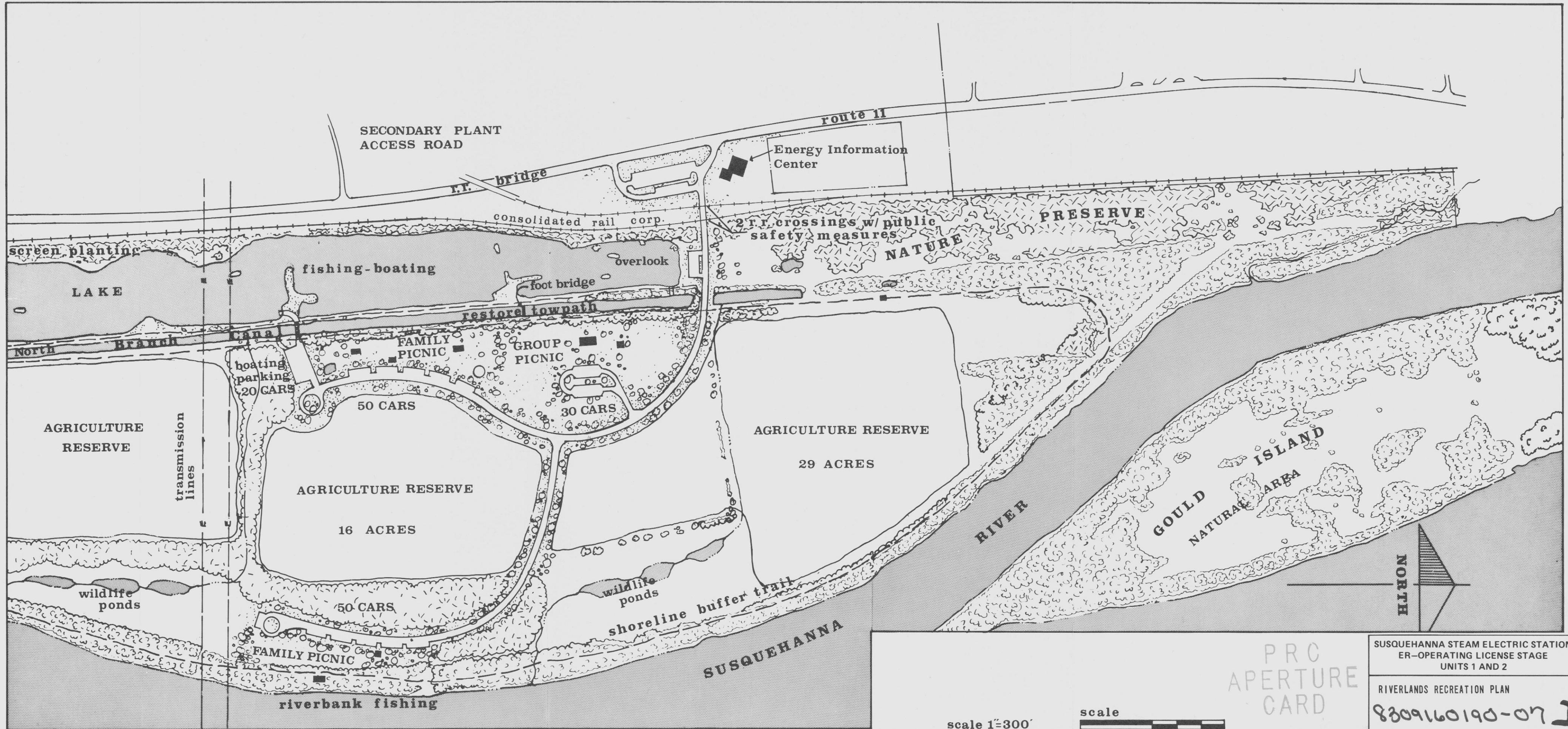


Recreation Area	80 acres
Agriculture Reserve	79
Nature Preserve	261

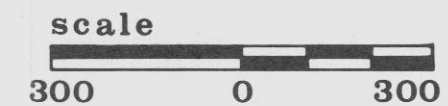
8309160190-06

D

PRC
APERTURE
CARD



scale 1"=300'



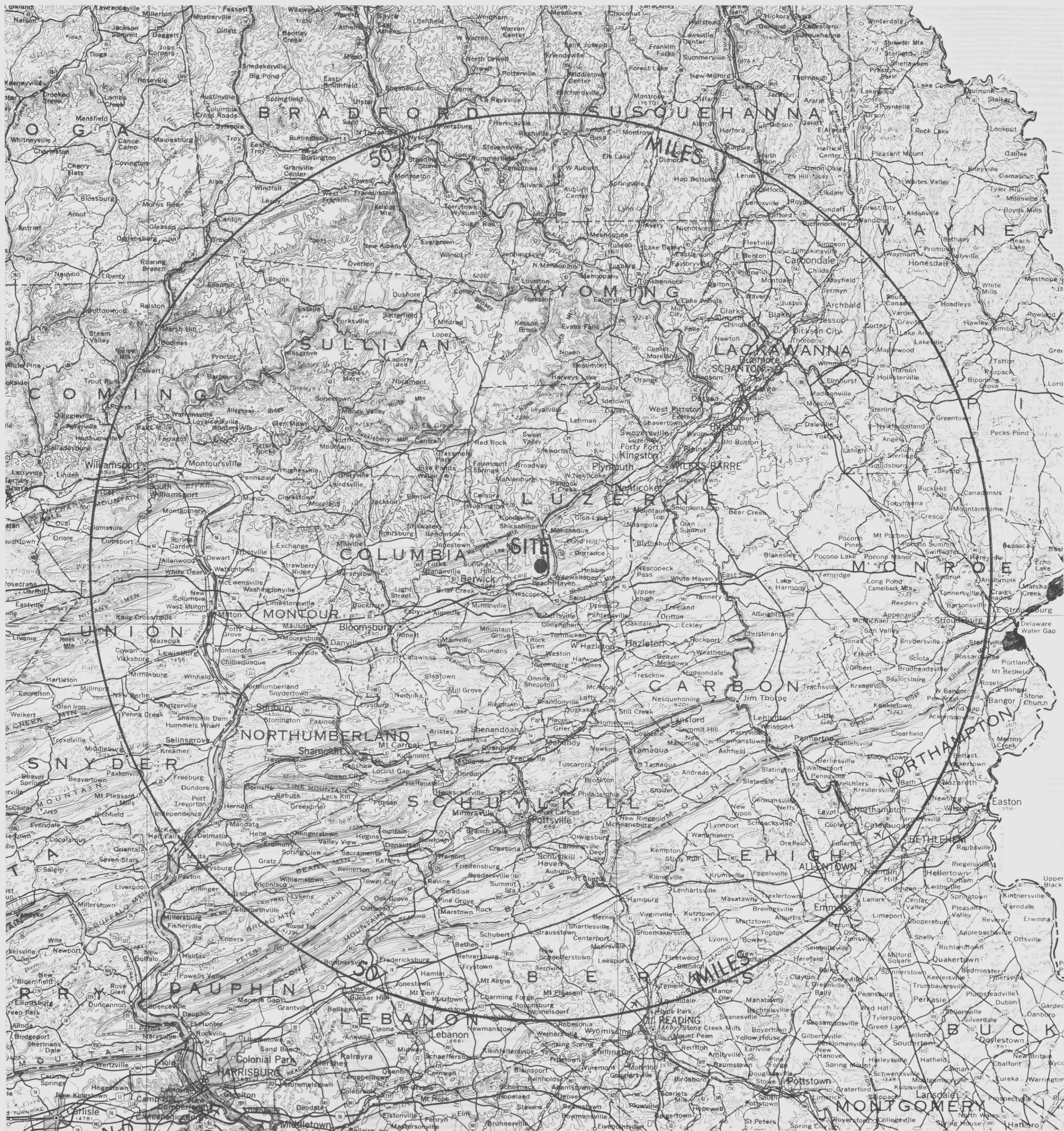
PRC
APERTURE
CARD

SUSQUEHANNA STEAM ELECTRIC STATION
ER-OPERATING LICENSE STAGE
UNITS 1 AND 2

RIVERLANDS RECREATION PLAN

8309160190-07

FIGURE 3.1-5



PRC
APERTURE
CARD

8309160190-08

SUSQUEHANNA STEAM ELECTRIC STATION
ER—OPERATING LICENSE STAGE
UNITS 1 AND 2

TOPOGRAPHY WITHIN 50 MILES OF THE
SUSQUEHANNA SES.

FIGURE 5.1-2