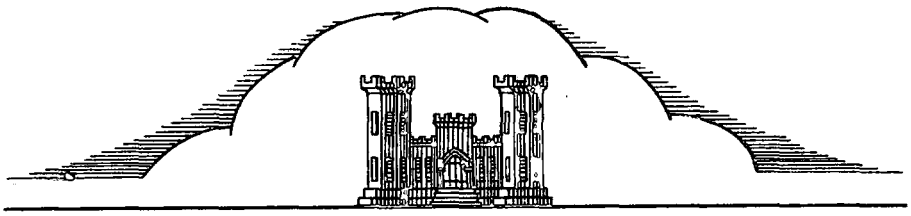
SUSQUEHANNA RIVER BASIN

CURWENSVILLE RESERVOIR

WEST BRANCH SUSQUEHANNA RIVER
PENNSYLVANIA

DESIGN MEMORANDUM NO. 13

MASTER PLAN



DEPARTMENT OF THE ARMY
Baltimore District, Corps of Engineers
Baltimore, Maryland 21203

DECEMBER 1968

DEPARTMENT OF THE ARMY
BALTIMORE DISTRICT, CORPS OF ENGINEERS
P.O. BOX 1715
BALTIMORE, MARYLAND 21203

NABEN-R 16 December 1968

SUBJECT: Curwensville Reservoir, Pennsylvania - Design Memorandum No. 13, Master Plan

Division Engineer, North Atlantic
ATTN: NADPL-R

1. Reference is made to paragraph 9, EM 1130-2-302, change 3, 1 April 1960.

2. In compliance with the provisions of the above reference, the subject Master Plan is forwarded for review and approval. Six copies are inclosed, 3 for NAD and 3 for OCE.

FOR THE DISTRICT ENGINEER:

G. M. MILLER
Chief, Engineering Division

Incl (sext)
as

CURWENSVILLE DAM AND RESERVOIR - Pool level at approximate elevation 1164, two feet above recreation lake level. Recreation area shown in left center.

Photo 6804090

12 April 1968

DEPARTMENT OF THE ARMY
Baltimore District, Corps of Engineers
Baltimore, Maryland 21203

SUSQUEHANNA RIVER BASIN

C U R W E N S V I L L E R E S E R V O I R

WEST BRANCH SUSQUEHANNA RIVER, PENNSYLVANIA

DESIGN MEMORANDUM NO. 13

MASTER PLAN

Related Reports

Design Memorandum No.	Title	Submission Date	Approved by OCE
1	Hydrology and Hydraulic Analysis	July 1959	Sep. 1959
2	General Design Memorandum	Oct. 1959	Dec. 1959
3	Preliminary Master Plan	Feb. 1960	Apr. 1960
4	Real Estate	Feb. 1960	May 1960
5	Concrete Aggregates	June 1960	July 1960
6	Railroad and Highway Relocations	Jan. 1961	Mar. 1961
7	Corrosion Mitigation	June 1961	Mar. 1961
8	Geology, Soils, and Embankment	Mar. 1962	June 1962
9	Spillway	Mar. 1961	May 1961
10	Utility Relocations	June 1961	May 1962
11	Outlet Works	Apr. 1962	July 1962
12	Cemetery Relocation Plan	June 1962	July 1962
13	Master Plan	Dec. 1968	
14	Sedimentation Ranges and Investigations	Oct. 1967	Nov. 1967

Revisions

Date	New Pages and Drawings	Date Approved by OCE

SUSQUEHANNA RIVER BASIN

CURWENSVILLE RESERVOIR

DESIGN MEMORANDUM NO. 13

MASTER PLAN

1968

CONTENTS

C O N T E N T S (cont'd)

CURWENSVILLE RESERVOIR

DESIGN MEMORANDUM NO. 13

MASTER PLAN

1968

SUSQUEHANNA RIVER BASIN

C U R W E N S V I L L E R E S E R V O I R

WEST BRANCH SUSQUEHANNA RIVER, PENNSYLVANIA

DESIGN MEMORANDUM NO. 13

MASTER PLAN

A. GENERAL INFORMATION

1. Project authorization. The Curwensville Dam and Reservoir Project was authorized by the Flood Control Act of 1954 (Public Law 780, 83rd Congress, 2nd session) in accordance with House Document No. 29, 84th Congress, 1st session.

2. Project purpose. Curwensville Reservoir is a unit in the comprehensive flood control plan for the West Branch Susquehanna River. This reservoir has the primary objective of reducing flood heights at Curwensville, Clearfield, Renovo, Lock Haven, and Williamsport, Pennsylvania, as well as at other localities on the West Branch Susquehanna River. The project will also reduce flood heights on the Susquehanna River downstream from Sunbury, Pennsylvania.

3. History. The Curwensville Reservoir project was designed and constructed under the direction of the Baltimore District, Corps of Engineers. Construction for the necessary relocation of railroads and highways was initiated in May 1962. The construction of the dam and appurtenant works was started in April 1963 and was operationally completed in November 1965.

4. Purpose of master plan. The purpose of this Master Plan is to present a guide for the administration of the project lands; to assure preservation of its scenic, biological, and recreational resources; and to assure coordination with interested Federal, State, and local agencies. This Master Plan supplements the Preliminary Master Plan, Design Memorandum No. 3, dated February 1960.

B. GENERAL CHARACTERISTICS OF THE PROJECT

5. Location. Curwensville Dam is located in Clearfield County, Pennsylvania, on the West Branch Susquehanna River, 0.6 mile upstream from the bridge on State Route 453, which is near the southern limits of the borough of Curwensville, and about 10 river miles above Clearfield and 185 river miles above the mouth of the West Branch at Sunbury, Pennsylvania. The location of this project is shown on plate 13-1.

6. Reservoir description. The reservoir is located in a narrow valley with steep slopes at the downstream portion becoming more gentle in the upstream reaches. The surrounding ridges and slopes are wooded, and the valley floor, above the limits of the recreation lake, is fairly well covered with light timber and brush. In the upper reaches of the reservoir the valley floor was used to a limited degree for farming. Clay mining has been and is an important industry in this area and considerable strip mining was carried on in the reservoir area immediately upstream from the dam and on the adjacent hillsides. Most of the pits and spoil piles in the reservoir area resulting from this strip mining have been leveled, filled and landscaped or are inundated by the recreation lake. All spoil piles within the recreation lake area were graded to elevation 1,150 so as not to present a boating hazard. A large abandoned excavation exists on parcels 223 and 224 (see plate 13-2b). No development is presently proposed for this area. Existing topography and vegetation adequately screen this area from the lake and recreation areas.

7. Engineering features.

a. The dam consists of a rolled earthfill embankment having a maximum height of 131 feet above the streambed and a top elevation of 1,257. It has a top width of 25 feet and is about 2,850 feet in length. The spillway is located on rock, 1,500 feet northerly of the left abutment of the dam. The spillway is 530 feet in length and has a crest elevation of 1,228. The outlet conduit is 15 feet in diameter and is controlled by three 5.5-foot by 12-foot gates.

b. At spillway crest the reservoir inundates about 3,020 acres, the recreation lake 790 acres, and the conservation lake 540 acres.

c. Pertinent dam and reservoir data are summarized in table 13-1.

8. Recreation lake. The design of the project, as constructed, included a permanent conservation and recreation lake at elevation 1,155, with a surface area of 540 acres. This lake was first impounded in November 1965. The lake level was maintained by a bypass system in the outlet works. Shortly after impoundment of the lake, local interests and the Department of Forests and Waters, Commonwealth of Pennsylvania, requested that a summer recreation lake with a greater surface area be provided. As a result of this request, the Chief of Engineers approved the establishment of a summer lake at elevation

TABLE 13-1
PERTINENT DATA

	sq. mi.	Percent Controlled by Dam
Drainage areas		
West Branch Susquehanna River:		
at Curwensville Dam	365	100
at Clearfield, Pa.	487	75
at Renovo, Pa.	2,975	12
at Williamsport, Pa.	5,682	6.4
Elevations (feet above mean sea level)		
Top of dam		1,257.0
Guide taking line for easements		1,233.0
Spillway crest (flood control pool)		1,228.0
Guide taking line for fee acquisition		1,190.0
Upper limit of clearing		1,164.0
Recreation lake		1,162.0
Conservation lake		1,155.0
Dam		
Type		Rolled earthfill
Length		2,850 feet
Height above streambed		131 feet
Width at top		25 feet
Width at base (maximum)		900 feet
Spillway		
Type		Excavated channel with concrete control sill in saddle
Length of crest		500 feet
Height above streambed		102 feet
Outlet works		
Type		Controlled conduit
Number of circular conduits		1
Diameter of conduit		15 feet
Number of service gates		3
Type of gates		Hydraulic slide
Size of gate		5.5 x 12 feet
Reservoir		
Surface area: Flood control pool		3,020 acres
Recreation lake		790 acres
Conservation lake		540 acres
Shoreline: Recreation lake		19 miles
Conservation lake		16 miles
Land acquired		
Fee		2,877 acres
Easements		820 acres
		3,697 acres

1,162 to provide a surface area of 790 acres. This lake will be provided during the period 15 May through 15 September of each year and is maintained through regulation of the service gates. The conservation lake, elevation 1,155, will not be maintained until such time as water quality improves sufficiently to permit the development of a fishery.

9. Reservoir ownership. Plates 13-2a thru 13-2d show: tracts acquired in fee and by flowage easement; the bounds and acreage of individual tracts, names of former owners, and outgrants made for relocated highways and the railroad. The guide taking line for fee acquisition was established at elevation 1,190, the level of the five year flood frequency. The guide taking line for flowage easements was the 1,233 foot contour, five feet above the spillway crest, elevation 1,228. Additional acreage was acquired for borrow, construction, and recreation areas.

10. Mineral rights. There are no outstanding mineral rights on lands acquired in fee except for the following listed parcels on which it was determined that all mineable minerals have been removed or the removal of which would not interfere with the operation of the project:

Parcel no.	Acres
125	49.18
200-3	0.08
201-2	0.40
205	98.41
348-1	0.25
348-2	0.04
359	5.40
410-1	1.42
410-2	2.64
411	3.34
504	3.42
507	18.80
605	0.29
632	1.06
717	1.43

On a number of tracts on which flowage easements were acquired, mineral rights were not subordinated or extinguished.

C. PROPOSED LAND USAGE

11. Priority. All reservoir lands, except those reserved for project operation and maintenance, are designated for priority one use as defined in EM 1130-2-302 and ER 405-2-835.

12. Recreation. Land and water areas leased to the Department of Forests and Waters, Commonwealth of Pennsylvania, for parks and recreational purposes are shown on plates 13-2a thru 13-2c.

13. Fish and wildlife management.

a. Wildlife. The Pennsylvania Game Commission, the U.S. Fish and Wildlife Service, and the Corps of Engineers cooperated in the development of a General Plan for wildlife management for the areas shown on plates 13-2d through 13-2f. A license for exclusive use of such areas necessary for the proper development of a wildlife management program will be granted the Pennsylvania Game Commission.

b. Fish management. The river, prior to establishment of the reservoir, did not support fish life because of the high acid content from mine drainage from upstream sources. Recent testing of the reservoir indicates that the water quality has improved to such a degree that it may now support fish. The Pennsylvania Fish Commission recently surveyed the stream from the dam downstream to Clearfield and found conditions favorable for the establishment of a fishery and made an initial stocking of chain pickerel. Investigation of the reservoir, including testing of the impoundment and the river upstream of the reservoir is continuing. When it is determined that the reservoir provides a suitable environment for fish life, the Pennsylvania Fish Commission will be requested to initiate a program of fish management in the reservoir.

14. Removal of minerals. Those portions of tracts 108 and 119 lying north of the relocated railroad and highway contain extensive deposits of refractory clay and coal. Inquiries concerning the availability of this clay have been made by a local refractory operator. These clay deposits can be removed without interfering with present and future project operations if adequate controls and requirements for backfilling of all excavations and appropriate landscaping are imposed.

15. Other. All lands not immediately required for Priority One use, or for fish and wildlife management are available for interim outleasing for agricultural purposes.

D. RECREATIONAL DEVELOPMENT

16. General. The Corps of Engineers provided basic facilities consisting of a boat dock and launching ramp and grading for parking and beach area and constructed the primary access road except for base

course and wearing surface. The cost for the Federal portion of this work was $235,000 including engineering and design and supervision and administration. A lease for park and recreational purposes has been granted to the Department of Forests and Waters, Commonwealth of Pennsylvania. The Commonwealth will construct all required recreational facilities and will operate and maintain the area. The Commonwealth assumed responsibility for the recreation area in the spring of 1966. Picnic areas were constructed, temporary sanitary and boating facilities were provided. Attendance at the reservoir was reported as 101,000 in 1966 and 107,400 in 1967.

17. Commonwealth plan of development. The Department of Forests and Waters had programmed funds for capital improvement as follows:

1965-67 biennium	= $344,000
1967-69 biennium	= $258,000
1969-71 biennium	= $200,000

The Legislature has not appropriated funds as programmed and construction has not proceeded as scheduled. The Department of Forests and Waters has funds on hand and plans to let a contract for the construction of a marina facility, sanitary facilities, water supply, and paving of access roads and parking areas during the winter of 1968 or the spring of 1969. A Master Plan for recreation development is shown on plate 13-3.

E. BEAUTIFICATION

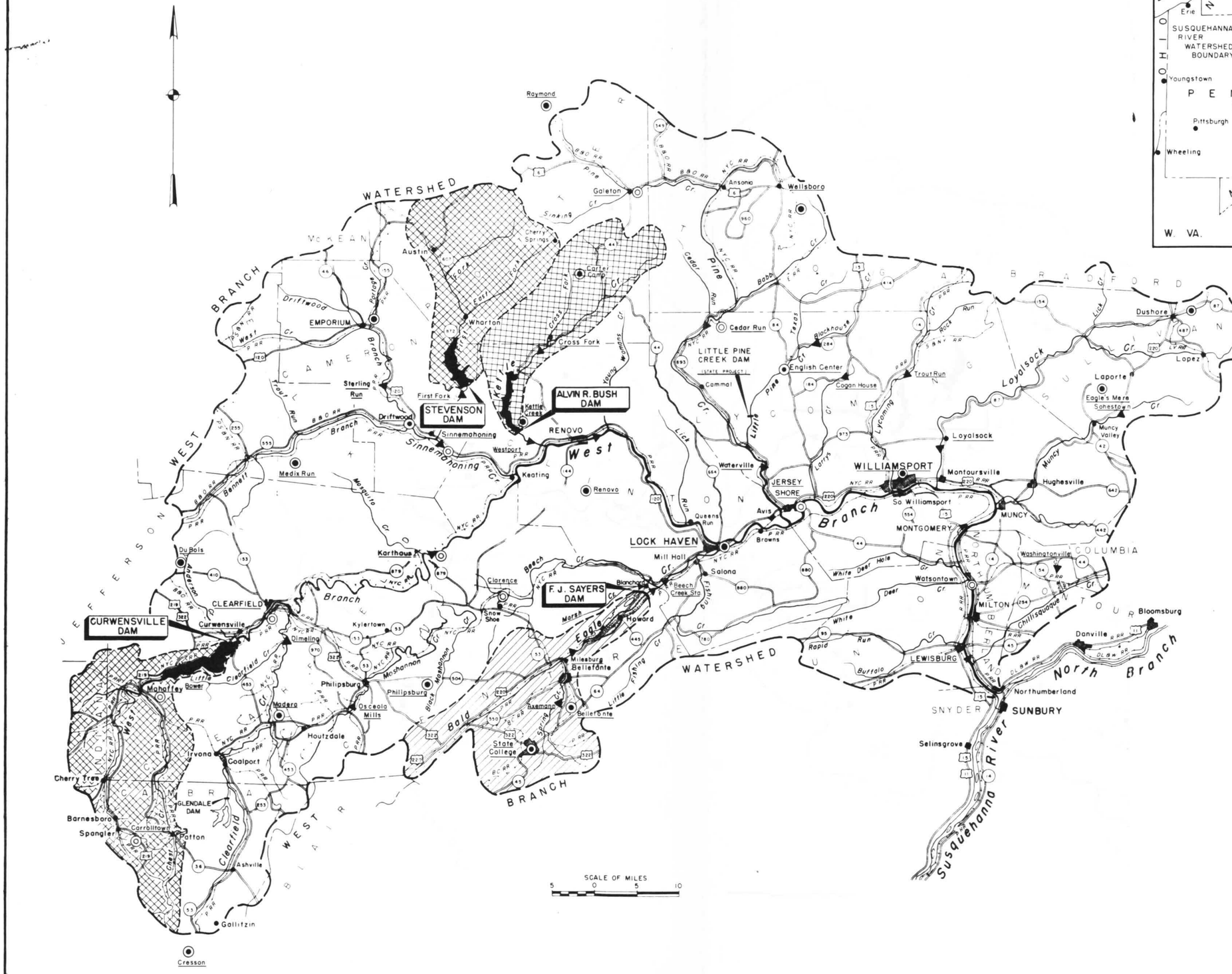
18. Dam and administration area. Landscaping, including shrub and tree planting, has been accomplished in the area downstream of the dam, at the observation area, adjacent to the outlet channel and at the residence and shop area.

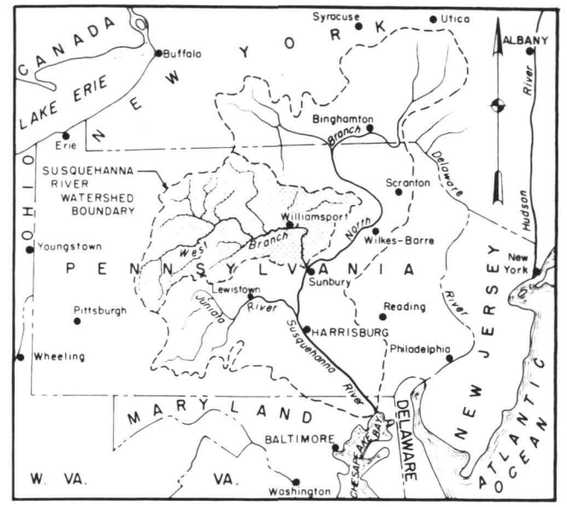
19. Recreation area. The Department of Forests and Waters will include landscaping within the recreation areas, necessary reforestation and timber management.

F. COORDINATION

20. Concurrence. This Master Plan has been reviewed by the Baltimore District Real Estate Division and this Division concurs in the proposed plan for the administration and management of project lands and waters outlined herein.

MALCOLM F. STEELE
Chief, Real Estate Division





VICINITY MAP

SCALE OF MILES
50 0 50 100

LEGEND

RESERVOIR PROJECTS

UNDER CONSTRUCTION

CONSTRUCTED

PRECIPITATION STATIONS

NON-RECORDER

RECORDER

STREAM GAUGE

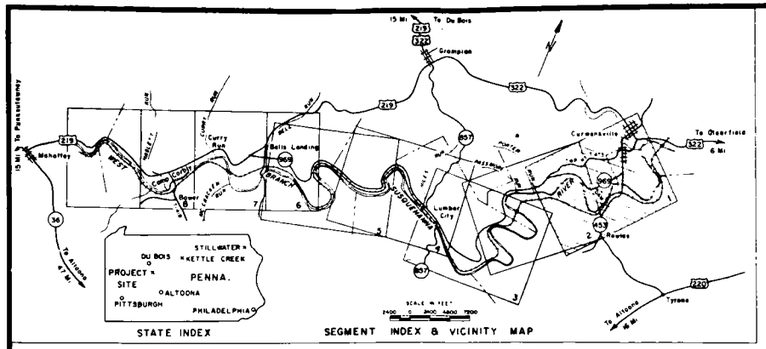
RECORDER

WEST BRANCH SUSQUEHANNA RIVER AND TRIBUTARIES

LOCATION MAP

SCALES: AS SHOWN

CORPS OF ENGINEERS BALTIMORE DISTRICT

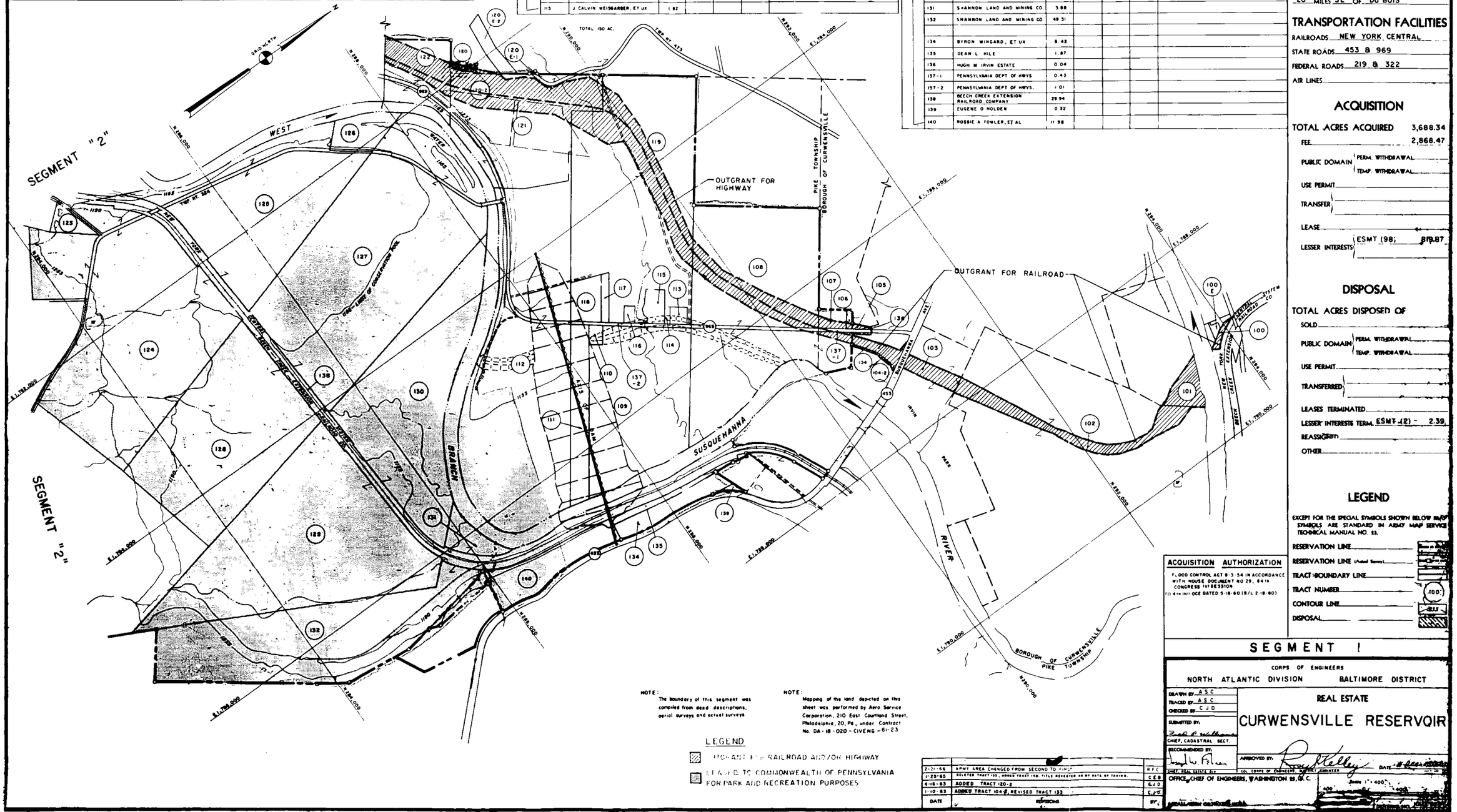


TRACT REGISTER OF ACQUISITION AFTER 1 JANUARY 1943 (CIVIL)

RE-D CODE	TRACT NO.	LAND OWNER	ACREAGE FEE	ACREAGE PERPETUAL FLOWAGE EASEMENT	ACREAGE EASEMENT	REMARKS
	100	LEROY EDWIN BORGER, ET UX	0.62			
	100 E	LEROY EDWIN BORGER, ET UX			0.26	TEMP EASEMENT FOR BRIDGE CONST 5/9/62 (3 YRS)
	101	HOWES LEATHER COMPANY INCORPORATED	3.19			
	102	CLIFFORD BAILOR, ET UX	7.79			
	103	BOROUGH OF CURWENSVILLE	2.18			
	104	HAROLD J SMITH	1.61			
	104-2	HAROLD V SMITH	0.38			
	105	ELIZABETH J BOWERS, ET AL	0.17			
	106	IVAN O APPLETON, ET UX	0.30			
	107	MILES APPLETON	1.38			
	108	FRANK E WISE AND JAMES NEARL WISE	66.71			
	109	KATHLEEN MILE ROBINSON, ET VIR	39.65			
	110	HUMES T LASHER	0.69			
	111	HALEY GARLOCK, ET UX	8.70			
	112	ROBERT L HUMPHREYS, ET AL	77.30			
	113	HILDRED E ROWLES, ET UX	0.82			
	114	CHARLES BROCAIL, ET UX	0.25			
	115	J CALVIN WEISGARBER, ET UX	1.82			

TRACT REGISTER OF ACQUISITION AFTER 1 JANUARY 1943 (CIVIL)

RE-D CODE	TRACT NO.	LAND OWNER	ACREAGE FEE	ACREAGE PERPETUAL FLOWAGE EASEMENT	ACREAGE EASEMENT	REMARKS
	116	ROBERT L WISE, ET UX	0.49			
	117	J N AMMERMAN, ET UX	1.01			
	118	CLAIR AMMERMAN	3.48			
	119	HENRY NILE, ET UX	70.92			
	120	J BLAIR PORTER, ET AL	0.15			
	120-2	J BLAIR PORTER, ET AL	0.38			
	120 E-1	J BLAIR PORTER, ET AL			0.04	PERP EASEMENT FOR DRAINAGE
	120 E-2	J BLAIR PORTER, ET AL			2.13	TEMP EASEMENT FOR DEPOSIT DISPOSAL 5/7/62 (5 YRS)
	121	E COMMODORE EVERETT, ET AL	34.00			
	122	GILBERT S WATTS, ET AL (HEIRS OF JOHN P HOYT)	11.98			
	123	GEORGE O RIDDLE, ET UX	2.27			
	124	LEONARD A HEIDT, ET UX	86.57			
	125	LEONARD A HEIDT, ET UX	49.18			
	126	AUGHENBAUGH COAL CO	5.07			
	127	CHARLES SANDRI, ET AL	93.43			
	128	CHARLES SANDRI, ET AL	56.56			
	129	JAMES M HUMPHREYS, ET AL	76.54			
	130	JAMES M HUMPHREYS, ET AL	52.65			
	131	SHANNON LAND AND MINING CO	3.88			
	132	SHANNON LAND AND MINING CO	49.31			
	134	BYRON WINGARD, ET UX	8.42			
	135	DEAN L HILE	1.87			
	136	HUGH M IRVIN ESTATE	0.04			
	137-1	PENNSYLVANIA DEPT OF HWYS	0.43			
	137-2	PENNSYLVANIA DEPT OF HWYS	1.01			
	138	BEECH CREEK EXTENSION RAILROAD COMPANY	28.94			
	139	EUGENE O HOLDEN	0.32			
	140	ROSSIE A FOWLER, ET AL	11.98			



NOTE: The boundary of this segment was compiled from deed descriptions, aerial surveys and actual surveys

NOTE: Mapping of the land depicted on this sheet was performed by Aero Service Corporation, 210 East Courtland Street, Philadelphia, 20, Pa., under Contract No. DA-18-020-CIVENG-61-23

LEGEND

- OUTGRANT FOR RAILROAD AND/OR HIGHWAY
- LEASED TO COMMONWEALTH OF PENNSYLVANIA FOR PARK AND RECREATION PURPOSES

2-21-66	APMY AREA CHANGED FROM SECOND TO FIRST	RFC
1-25-65	DELETED TRACT 120, ADDED TRACT 140, TITLE REVESTED AS OF DATE OF TAKING.	CEB
4-18-63	ADDED TRACT 120-2	CJD
1-10-63	ADDED TRACT 104-2, REVISED TRACT 133	CJD
DATE	REVISIONS	BY

PROJECT MAP

DEPT. OF THE ARMY

USING SERVICE CORPS OF ENGINEERS

LOCATION OF PROJECT

STATE PENNSYLVANIA

COUNTY CLEARFIELD

DIVISION NORTH ATLANTIC

DISTRICT BALTIMORE

ARMY AREA FIRST

35 MILES NW OF ALTOONA

20 MILES SE OF DU BOIS

TRANSPORTATION FACILITIES

RAILROADS NEW YORK CENTRAL

STATE ROADS 453 & 969

FEDERAL ROADS 219 & 322

AIR LINES

ACQUISITION

TOTAL ACRES ACQUIRED 3,688.34

FEE 2,868.47

PUBLIC DOMAIN (PERM. WITHDRAWAL / TEMP. WITHDRAWAL)

USE PERMIT

TRANSFER

LEASE

LESSER INTERESTS (ESMT (98); 819.87)

DISPOSAL

TOTAL ACRES DISPOSED OF

SOLD

PUBLIC DOMAIN (PERM. WITHDRAWAL / TEMP. WITHDRAWAL)

USE PERMIT

TRANSFERRED

LEASES TERMINATED

LESSER INTERESTS TERM. ESMT (2) - 2.39

REASSIGNED

OTHER

LEGEND

EXCEPT FOR THE SPECIAL SYMBOLS SHOWN BELOW MAP SYMBOLS ARE STANDARD IN ARMY MAP SERVICE TECHNICAL MANUAL NO. 22.

RESERVATION LINE

RESERVATION LINE (Actual Survey)

TRACT BOUNDARY LINE

TRACT NUMBER (100)

CONTOUR LINE (400)

DISPOSAL

ACQUISITION AUTHORIZATION

FLOOD CONTROL ACT 9-3-54 IN ACCORDANCE WITH HOUSE DOCUMENT NO 29, 84TH CONGRESS 1st SESSION

(1) 4TH IND OCE DATED 5-18-60 (B/L 2-18-60)

SEGMENT 1

CORPS OF ENGINEERS

NORTH ATLANTIC DIVISION BALTIMORE DISTRICT

DRAWN BY ASC

TRACED BY ASC

CHECKED BY CJD

SUBMITTED BY

CHIEF, CADASTRAL SECT.

RECOMMENDED BY

CHIEF, REAL ESTATE DIV.

REAL ESTATE

CURWENSVILLE RESERVOIR

APPROVED BY Roy J. Kelly COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

DATE 8 Sept 1966

OFFICE, CHIEF OF ENGINEERS, WASHINGTON 25, D.C.

Scale 1" = 400'

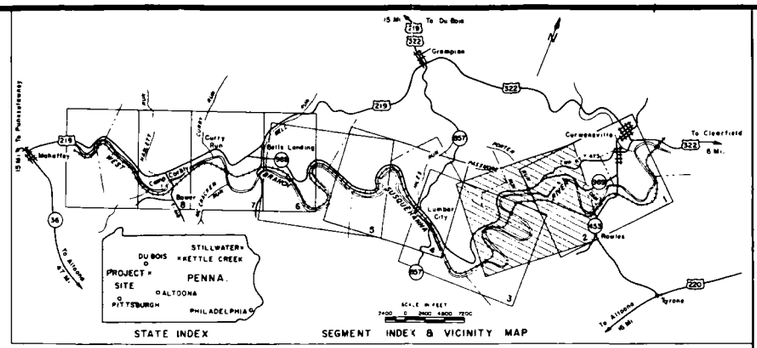
PLATE 13-2A

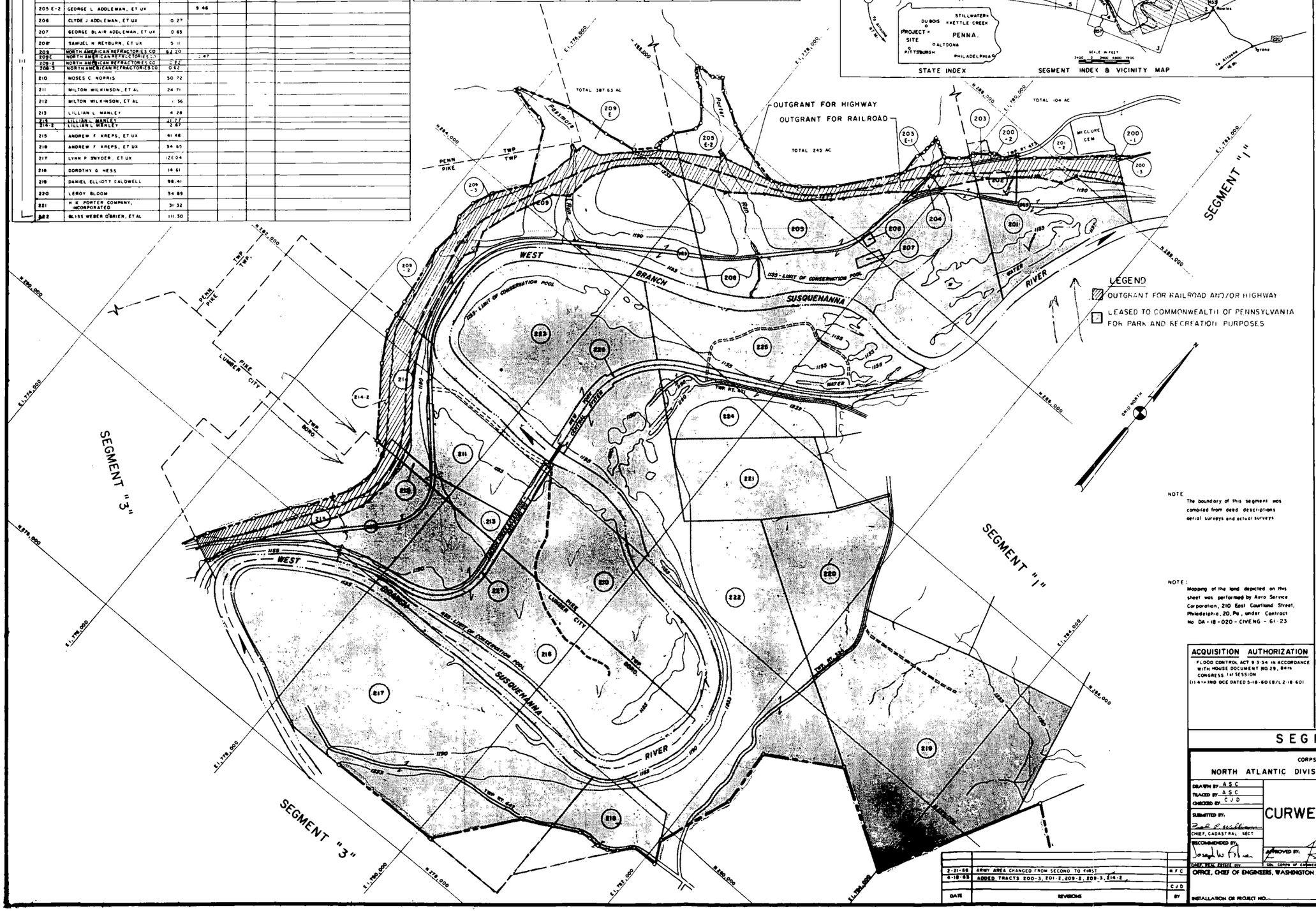
TRACT REGISTER OF ACQUISITION AFTER 1 JANUARY 1943 (CIVIL)

RE-D CODE	TRACT NO.	LAND OWNER	ACREAGE FEE	ACREAGE PERPETUAL FLOWAGE EASEMENT	ACREAGE EASEMENT	REMARKS
	200-1	MALCOLM F DALE, ET AL	0 01			
	200-2	MALCOLM F DALE, ET AL	0 18			
	200-3	MALCOLM F DALE, ET AL	0 08			
	201	ZETTA W JOHNSTON	31 20			
	201-2	ZETTA W JOHNSTON	0 40			
	202	ELKIN H JOHNSTON, ET UX	4 19			
	203	VIOLA WILT	0 42			
	204	MAXWELL E ARDARY, ET UX	0 93			
	205	GEORGE L ADDLEMAN, ET UX	98 41			
	205 E-1	GEORGE L ADDLEMAN, ET UX		1 18		
	205 E-2	GEORGE L ADDLEMAN, ET UX		9 46		
	206	CLYDE J ADDLEMAN, ET UX	0 27			
	207	GEORGE BLAIR ADDLEMAN, ET UX	0 65			
	208	SAMUEL N REYBURN, ET UX	5 11			
	209	NORTH AMERICAN REFRACTORIES CO	62 20			
	209E	NORTH AMERICAN REFRACTORIES CO		2 47		
	209-2	NORTH AMERICAN REFRACTORIES CO	7 52			
	209-3	NORTH AMERICAN REFRACTORIES CO	0 62			
	210	MOSES C NORRIS	50 72			
	211	MILTON WILKINSON, ET AL	24 71			
	212	MILTON WILKINSON, ET AL	1 56			
	213	LILLIAN L MANLEY	4 28			
	214	LILLIAN L MANLEY	41 77			
	214-2	LILLIAN L MANLEY	2 69			
	215	ANDREW F KREPS, ET UX	41 48			
	216	ANDREW F KREPS, ET UX	54 65			
	217	LYNN P SNYDER, ET UX	12 04			
	218	DOROTHY G HESS	14 61			
	219	DANIEL ELLIOTT CALDWELL	98 41			
	220	LEROY BLOOM	34 89			
	221	H K PORTER COMPANY, INCORPORATED	31 32			
	222	BLISS WEBER O'BRIEN, ET AL	111 30			

TRACT REGISTER OF ACQUISITION AFTER 1 JANUARY 1943 (CIVIL)

RE-D CODE	TRACT NO.	LAND OWNER	ACREAGE FEE	ACREAGE PERPETUAL FLOWAGE EASEMENT	ACREAGE EASEMENT	REMARKS
	223	BLISS WEBER O'BRIEN, ET AL	59 43			
	224	CARRIE McNAUL	22 32			
	225	CARRIE McNAUL	45 32			
	226	BEECH CREEK EXTENSION RAILROAD COMPANY	10 69			
	227	BEECH CREEK EXTENSION RAILROAD COMPANY	11 82			





NOTE
The boundary of this segment was compiled from deed descriptions aerial surveys and actual surveys

NOTE:
Mapping of the land depicted on this sheet was performed by Aero Service Corporation, 210 East Courtland Street, Philadelphia, 20, Pa, under Contract No DA-18-020-CIVENG-61-23

ACQUISITION AUTHORIZATION

FLOOD CONTROL ACT S 3 S 4 IN ACCORDANCE WITH HOUSE DOCUMENT NO 29, 84th CONGRESS 1st SESSION
(1) 41st IND OCE DATED 5-18-60 (B/L 2-18-60)

DATE	REVISIONS	BY
2-21-66	ARMY AREA CHANGED FROM SECOND TO FIRST	H F C
4-18-66	ADDED TRACTS 200-3, 201-2, 209-2, 209-3, 214-2	C J D

PROJECT MAP

DEPT. OF THE ARMY
USING SERVICE CORPS OF ENGINEERS

LOCATION OF PROJECT

STATE PENNSYLVANIA
COUNTY CLEARFIELD
DIVISION NORTH ATLANTIC
DISTRICT BALTIMORE
ARMY AREA FIRST
35 MILES NW OF ALTOONA
20 MILES SE OF DU BOIS

TRANSPORTATION FACILITIES

RAILROADS NEW YORK CENTRAL
STATE ROADS 453 & 969
FEDERAL ROADS 219 & 322
AIR LINES

ACQUISITION

TOTAL ACRES ACQUIRED
FEE
PUBLIC DOMAIN (PERM. WITHDRAWAL / TEMP. WITHDRAWAL NO)
USE PERMIT
TRANSFER (SEE SHEET)
LEASE
LESSER INTERESTS

DISPOSAL

TOTAL ACRES DISPOSED OF
SOLD
PUBLIC DOMAIN (PERM. WITHDRAWAL / TEMP. WITHDRAWAL)
USE PERMIT
TRANSFERRED (SEE SHEET NO.)
LEASES TERMINATED
LESSER INTERESTS TERM.
REASSIGNED
OTHER

LEGEND

EXCEPT FOR THE SPECIAL SYMBOLS SHOWN BELOW MAP SYMBOLS ARE STANDARD IN ARMY MAP SERVICE TECHNICAL MANUAL NO. 93.

RESERVATION LINE
RESERVATION LINE (Actual Survey)
TRACT BOUNDARY LINE
TRACT NUMBER 200
CONTOUR LINE 1155
DISPOSAL

SEGMENT 2

CORPS OF ENGINEERS
NORTH ATLANTIC DIVISION BALTIMORE DISTRICT

DRAWN BY A S C
TRACED BY A S C
CHECKED BY C J D
SUBMITTED BY: CHIEF, CADASTRAL SECT
RECOMMENDED BY: CHIEF, REAL ESTATE DIV
APPROVED BY: CDR. CORPS OF ENGINEERS, DISTRICT ENGINEER DATE 11 Dec. 1962

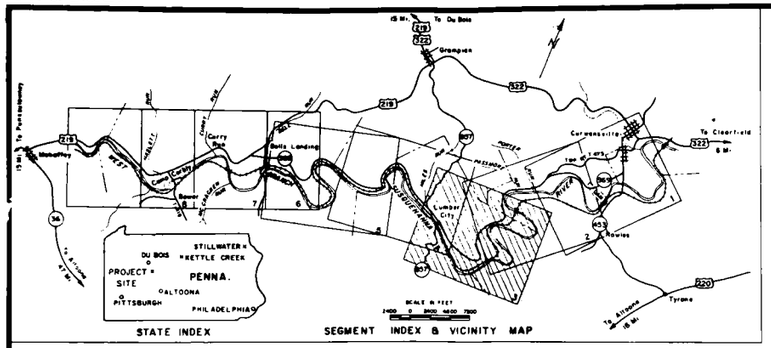
REAL ESTATE
CURWENSVILLE RESERVOIR

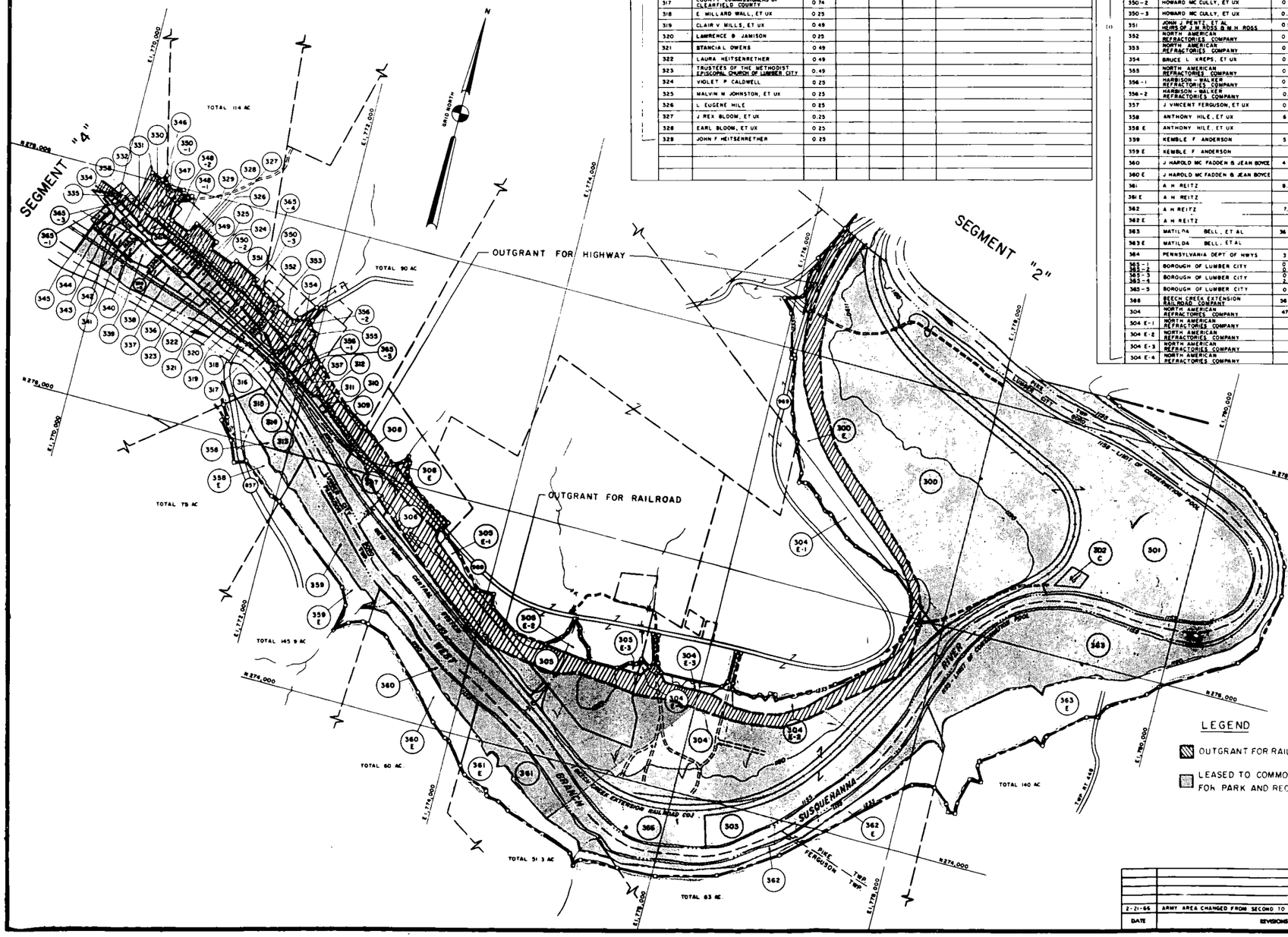
OFFICE, CHIEF OF ENGINEERS, WASHINGTON 25, D. C.
INSTALLATION OR PROJECT NO.
SHEET 2 OF 8 SHEETS
DRAWING NO. NAD 296
Scale 1" = 600'
400 0 400 800

PLATE 13-28

CORPS OF ENGINEERS

U. S. ARMY





NOTE: The boundary of this segment was compiled from deed descriptions aerial surveys and actual surveys

NOTE: Mapping of the land depicted on this sheet was performed by Aero Service Corporation, 210 East Courtland Street, Philadelphia, 20, Pa., under Contract No. DA-18-020-CIVENG 61-23

TRACT REGISTER OF ACQUISITION AFTER 1 JANUARY 1943 (CIVIL)

RE-D CODE	TRACT NO.	LAND OWNER	ACREAGE FEE	ACREAGE PERPETUAL FLOWAGE EASEMENT	ACREAGE EASEMENT	REMARKS
(1)	300	IONE COPENHAVER PUSEY	87.90			
	300 E	IONE COPENHAVER PUSEY		7.92		
	301	IONE COPENHAVER PUSEY	59.18			
	302 C	THE FERGUSON CEMETERY	0.68			
	303	NORTH AMERICAN REFRACTORIES COMPANY	11.86			
	304	SEE BOTTOM OF TRACT REGISTER				
	305	EUGENE L HIPPS, ET UX	13.35			
	305 E-1	EUGENE L HIPPS, ET UX		0.82		
	305 E-2	EUGENE L HIPPS, ET UX		1.29		
	305 E-3	EUGENE L HIPPS, ET UX		0.26		
	306	EARL R AUGHENBAUGH, ET UX	9.92			
	307	JESSE MONROE YOUNG, ET UX	2.35			
	308	NORTH AMERICAN REFRACTORIES COMPANY	2.25			
	308 E	NORTH AMERICAN REFRACTORIES COMPANY		0.33		
	309	R CURTIS SMITH, ET UX	1.52			
	310	HARRY BENDER	0.25			
	311	IRA WEBER, ET UX	0.55			
	312	MILMER JOHNSON, ET UX	0.50			
	313	JOSEPH B MADERA, ET UX	0.50			
	314	E C EVERETT	0.58			
	315	CARL V CONKLIN	0.25			
	316	RENA HEPPER & IRMA CONKLIN	0.25			
	317	COUNTY COMMISSIONERS OF CLEARFIELD COUNTY	0.76			
	318	E MILLARD WALL, ET UX	0.25			
	319	CLAIR V MILLS, ET UX	0.49			
	320	LAWRENCE B JAMISON	0.25			
	321	STANCIAL OWENS	0.49			
	322	LAURA HEITSENRETHER	0.49			
	323	TRUSTEES OF THE METHODIST EPISCOPAL CHURCH OF LUMBER CITY	0.49			
	324	VIOLET P CALDWELL	0.25			
	325	MALVIN M JOHNSTON, ET UX	0.25			
	326	L EUGENE MILE	0.25			
	327	J REX BLOOM, ET UX	0.25			
	328	EARL BLOOM, ET UX	0.25			
	328	JOHN F HEITSENRETHER	0.25			

TRACT REGISTER OF ACQUISITION AFTER 1 JANUARY 1943 (CIVIL)

RE-D CODE	TRACT NO.	LAND OWNER	ACREAGE FEE	ACREAGE PERPETUAL FLOWAGE EASEMENT	ACREAGE EASEMENT	REMARKS
(1)	330	LUMBER CITY BOROUGH FIRE COMPANY	0.99			
	331	THEODORE MULLINEN, ET AL	0.52			
	332	LEAH LEMON MILE	0.25			
	333	VERNON R CALDWELL, ET UX	0.25			
	334	J LESTER CALDWELL, ET UX	0.25			
	335	ERNEST C HEPPER, ET UX	0.25			
	336	PAUL BARRETT, ET UX	0.46			
	337	MARTHA PETERMAN	0.70			
	338	SPENCER BROTHERS COAL COMPANY	0.18			
	339	MALVIN M JOHNSTON JR, ET UX	0.68			
	340	EUGENE L HIPPS	0.25			
	341	MARY ELIZABETH TUBBS	0.25			
	342	JESSE ELLINGER	0.37			
	343	EUGENE L HIPPS	0.25			
	344	HARVEY PAUL HEITSENRETHER JR, ET UX	0.25			
	345	GEORGE LEONARD, ET UX	0.25			
	346	RALPH SOLIDAY, ET UX	0.65			
	347	JOSEPH L SHEEDER, ET UX	0.35			
	348-1	SCHOOL DIRECTORS OF LUMBER CITY BOROUGH SCHOOL DISTRICT	0.25			
	348-2	SCHOOL DIRECTORS OF LUMBER CITY BOROUGH SCHOOL DISTRICT	0.04			
	349	JOHN F HEITSENRETHER	0.99			
	350-1	HOWARD MC CULLY, ET UX	0.40			
	350-2	HOWARD MC CULLY, ET UX	0.66			
	350-3	HOWARD MC CULLY, ET UX	0.47			
	351	JOHN J PENTZ, ET AL HEIRS OF J M ROSS & M H ROSS	0.98			
	352	NORTH AMERICAN REFRACTORIES COMPANY	0.30			
	353	NORTH AMERICAN REFRACTORIES COMPANY	0.76			
	354	BRUCE L KREPS, ET UX	0.13			
	355	NORTH AMERICAN REFRACTORIES COMPANY	0.47			
	356-1	HARBISON-WALKER REFRACTORIES COMPANY	0.40			
	356-2	HARBISON-WALKER REFRACTORIES COMPANY	0.06			
	357	J VINCENT FERGUSON, ET UX	0.66			
	358	ANTHONY MILE, ET UX	6.77			
	358 E	ANTHONY MILE, ET UX		2.24		
	359	KEMBLE F ANDERSON	5.40			
	359 E	KEMBLE F ANDERSON		4.86		
	360	J HAROLD MC FADDEN & JEAN BOYCE	4.12			
	360 E	J HAROLD MC FADDEN & JEAN BOYCE		6.06		
	361	A M REITZ	8.22			
	361 E	A M REITZ		6.60		
	362	A M REITZ	7.15			
	362 E	A M REITZ		7.07		
	363	MATILDA BELL, ET AL	36.41			
	363 E	MATILDA BELL, ET AL		25.76		
	364	PENNSYLVANIA DEPT OF HWYS	3.60			
	365-1	BOROUGH OF LUMBER CITY	0.38			
	365-2	BOROUGH OF LUMBER CITY	0.20			
	365-3	BOROUGH OF LUMBER CITY	0.05			
	365-4	BOROUGH OF LUMBER CITY	2.84			
	365-5	BOROUGH OF LUMBER CITY	0.05			
	368	BEECH CREEK EXTENSION RAILROAD COMPANY	56.30			
	304	NORTH AMERICAN REFRACTORIES COMPANY	47.59			
	304 E-1	NORTH AMERICAN REFRACTORIES COMPANY		5.86		
	304 E-2	NORTH AMERICAN REFRACTORIES COMPANY		2.81		
	304 E-3	NORTH AMERICAN REFRACTORIES COMPANY		0.77		
	304 E-4	NORTH AMERICAN REFRACTORIES COMPANY		0.15		

PROJECT MAP

DEPT. OF THE ARMY

USING SERVICE CORPS OF ENGINEERS

LOCATION OF PROJECT

STATE PENNSYLVANIA

COUNTY CLEARFIELD

DIVISION NORTH ATLANTIC

DISTRICT BALTIMORE

ARMY AREA FIRST

35 MILES NW OF ALTOONA

20 MILES SE OF DU BOIS

TRANSPORTATION FACILITIES

RAILROADS NEW YORK CENTRAL

STATE ROADS 453 & 969

FEDERAL ROADS 219 & 322

AIR LINES

ACQUISITION

TOTAL ACRES ACQUIRED

FEE

PUBLIC DOMAIN (PERM. WITHDRAWAL / TEMP. WITHDRAWAL)

USE PERMIT

TRANSFER (SEE SHEET NO.)

LEASE

LESSEE INTERESTS

DISPOSAL

TOTAL ACRES DISPOSED OF

SOLD

PUBLIC DOMAIN (PERM. WITHDRAWAL / TEMP. WITHDRAWAL)

USE PERMIT

TRANSFERRED (SEE SHEET NO.)

LEASES TERMINATED

LESSER INTERESTS TERM.

REASSIGNED

OTHER

LEGEND

EXCEPT FOR THE SPECIAL SYMBOLS SHOWN BELOW MAP SYMBOLS ARE STANDARD IN ARMY MAP SERVICE TECHNICAL MANUAL NO. 33.

RESERVATION LINE

RESERVATION LINE (Actual Survey)

TRACT BOUNDARY LINE

TRACT NUMBER 300

CONTOUR LINE 1253

DISPOSAL

ACQUISITION AUTHORIZATION

FLOOD CONTROL ACT 9-3-56 IN ACCORDANCE WITH HOUSE DOCUMENT NO 29, 84th CONGRESS 1st SESSION (1) 4TH IND OCE DATED 5-18-60 (B/L 2-18-60)

SEGMENT 3

CORPS OF ENGINEERS

NORTH ATLANTIC DIVISION BALTIMORE DISTRICT

REAL ESTATE

CURWENSVILLE RESERVOIR

DRAWN BY A S C

TRACED BY A S C

CHECKED BY C J D

SUBMITTED BY: Fred A. Williams, CHIEF, CADASTRAL SECT.

RECOMMENDED BY: Joseph W. Fisher, CHIEF, REAL ESTATE DIV.

APPROVED BY: Roy K. Kelley, COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

DATE 11 Dec. 1962

OFFICE, CHIEF OF ENGINEERS, WASHINGTON 25, D. C.

Scale 1" = 400'

400 0 400 800

INSTALLATION OR PROJECT NO.

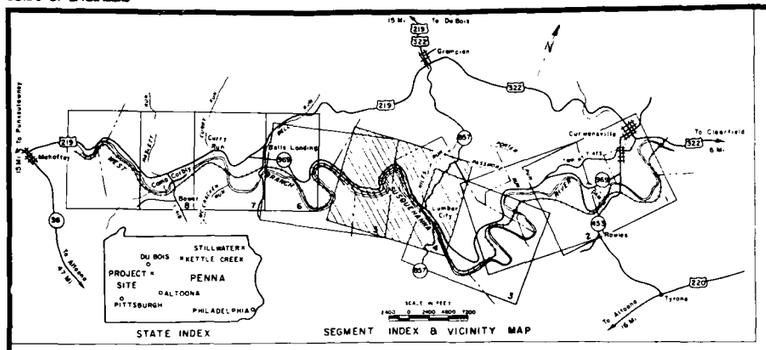
SHEET 3 OF 8 DRAWING NO. NAD 288

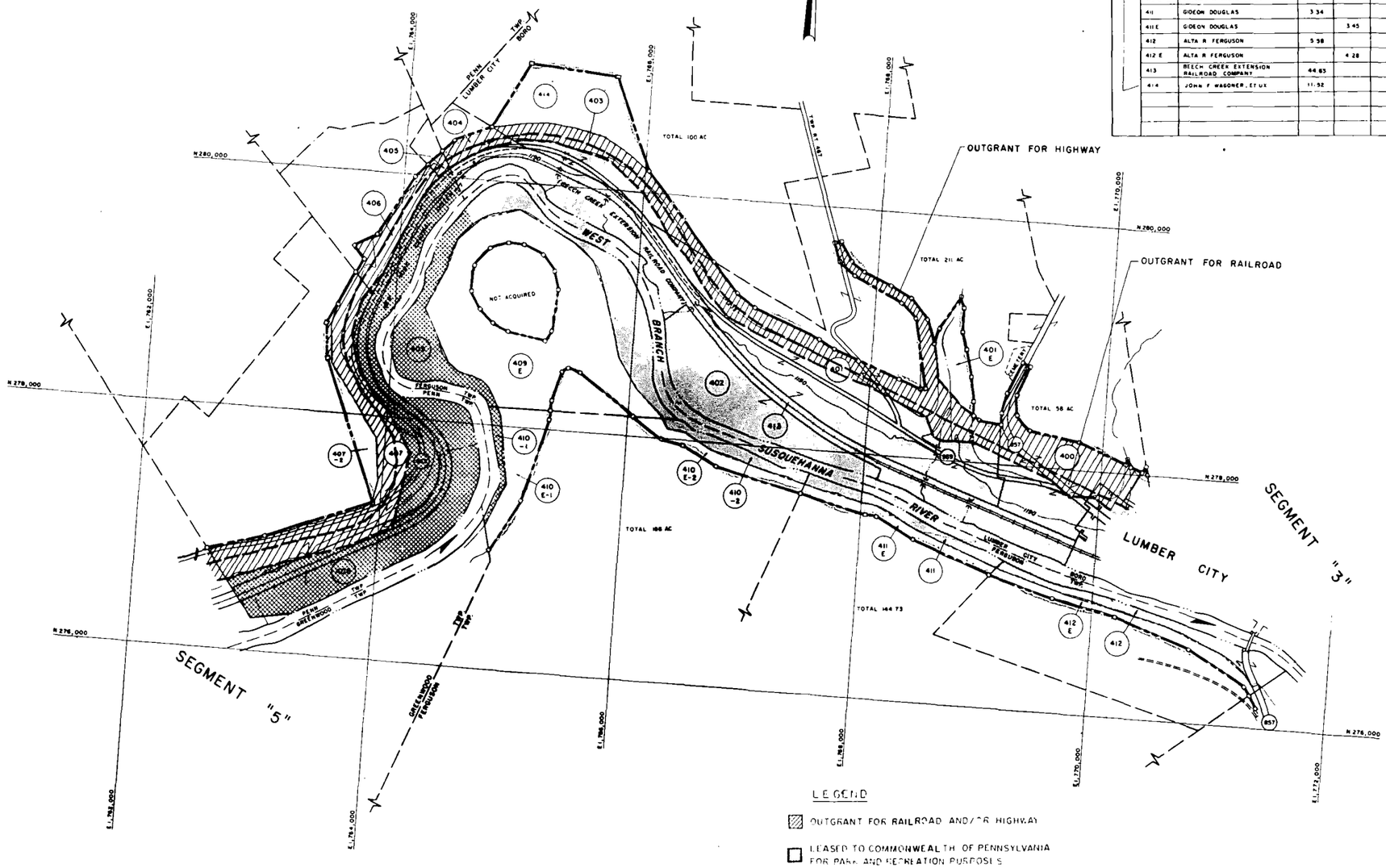
DATE	REVISIONS	BY
2-21-66	ARMY AREA CHANGED FROM SECOND TO FIRST	RTC

PLATE 13-20

CORPS OF ENGINEERS

U. S. ARMY





LEGEND

- OUTGRANT FOR RAILROAD AND/OR HIGHWAY
- LEASED TO COMMONWEALTH OF PENNSYLVANIA FOR PARK AND RECREATION PURPOSES
- LANDS AVAILABLE FOR WILDLIFE MANAGEMENT

NOTE

The boundary of this segment was compiled from deed descriptions aerial surveys and actual surveys

NOTE

Mapping of the land depicted on this sheet was performed by Aero Service Corporation, 210 East Courtland Street, Philadelphia 20, Pa., under Contract No DA-18-020-CIVENG 61-23

ACQUISITION AUTHORIZATION

FLOOD CONTROL ACT 9-3-34 IN ACCORDANCE WITH HOUSE DOCUMENT NO 29, 84th CONGRESS 1st SESSION (1) 4th IND OCE DATED 5-18-60 18/L 2-18-601

TRACT REGISTER OF ACQUISITION AFTER 1 JANUARY 1943 (CIVIL)

RE-D CODE	TRACT NO.	LAND OWNER	ACREAGE FEE	ACREAGE PERPETUAL FLOWAGE EASEMENT	ACREAGE EASEMENT	ACREAGE	REMARKS
	400	MOSES C NORRIS	16.44				
	401	ANTHONY HILE, ET AL	41.59				
	401 E	ANTHONY HILE, ET AL		4.17			
	402	ANTHONY HILE, ET AL	16.40				
	403	ROY F WAGONER	11.41				
	404	ANTHONY HILE, ET AL	2.17				
	405	MARVEL WILT, ET UX	0.47				
	406	HAROLD K GRAHAM, ET AL	4.78				
	407	HARBISON-WALKER REFRACTORIES COMPANY	22.64				
	407-2		3.32				
	408	HARBISON-WALKER REFRACTORIES COMPANY	15.67				
	409	GILBERT S WATTS, ET AL, TRUSTEES	19.48				
	409 E	GILBERT S WATTS, ET AL, TRUSTEES		33.58			
	410-1	THOMAS H IRWIN, ET UX	1.42				
	410-2	THOMAS H IRWIN, ET UX	2.64				
	410 E-1	THOMAS H IRWIN, ET UX		6.05			
	410 E-2	THOMAS H IRWIN, ET UX		3.25			
	411	GIDEON DOUGLAS	3.34				
	411 E	GIDEON DOUGLAS		3.45			
	412	ALTA R FERGUSON	5.38				
	412 E	ALTA R FERGUSON		4.28			
	413	BEECH CREEK EXTENSION RAILROAD COMPANY	44.85				
	414	JOHN F WAGONER, ET UX	11.52				

PROJECT MAP

DEPT. OF THE ARMY

USING SERVICE CORPS OF ENGINEERS

LOCATION OF PROJECT

STATE PENNSYLVANIA

COUNTY CLEARFIELD

DIVISION NORTH ATLANTIC

DISTRICT BALTIMORE

ARMY AREA FIRST

35 MILES NW OF ALTOONA

20 MILES SE OF DU BOIS

TRANSPORTATION FACILITIES

RAILROADS NEW YORK CENTRAL

STATE ROADS 453 & 969

FEDERAL ROADS 219 & 322

AIR LINES

ACQUISITION

TOTAL ACRES ACQUIRED

FEE

PUBLIC DOMAIN (PERM. WITHDRAWAL / TEMP. WITHDRAWAL)

USE PERMIT

TRANSFER (SEE SHEET NO.)

LEASE

LESSER INTERESTS

DISPOSAL

TOTAL ACRES DISPOSED OF

SOLD

PUBLIC DOMAIN (PERM. WITHDRAWAL / TEMP. WITHDRAWAL)

USE PERMIT

TRANSFERRED (SEE SHEET NO.)

LEASES TERMINATED

LESSER INTERESTS TERM.

REASSIGNED

OTHER

LEGEND

EXCEPT FOR THE SPECIAL SYMBOLS SHOWN BELOW MAP SYMBOLS ARE STANDARD IN ARMY MAP SERVICE TECHNICAL MANUAL NO. 113.

- RESERVATION LINE
- RESERVATION LINE (Actual Survey)
- TRACT BOUNDARY LINE
- TRACT NUMBER (400)
- CONTOUR LINE (1233)
- DISPOSAL

SEGMENT 4

CORPS OF ENGINEERS

NORTH ATLANTIC DIVISION BALTIMORE DISTRICT

DRAWN BY A S C

TRACED BY A S C

CHECKED BY C J D

SUBMITTED BY

CHIEF, CADASTRAL SECT

RECOMMENDED BY

APPROVED BY

DATE 11 Dec 1962

CHIEF, REAL ESTATE DIVISION — COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

OFFICE, CHIEF OF ENGINEERS, WASHINGTON 25, D. C.

INSTALLATION OR PROJECT NO.

REAL ESTATE

CURWENSVILLE RESERVOIR

Scale 1" = 400'

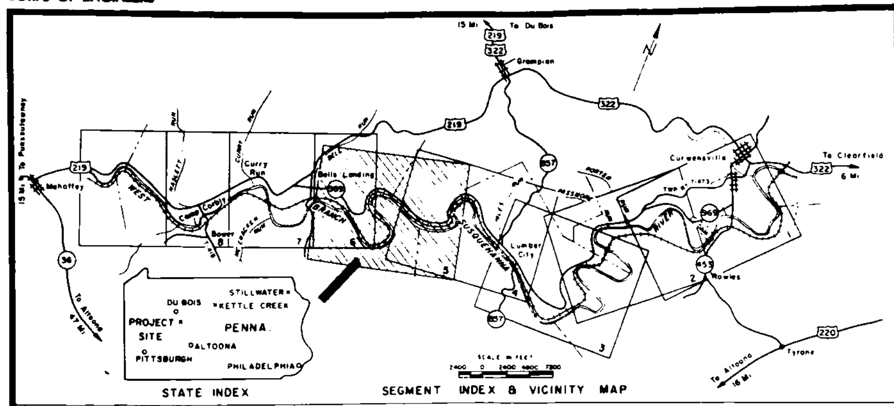
400 0 400 800

SHEET 4 OF 8 SHEETS

DRAWING NO. NAD 288

DATE	REVISIONS	BY
2-21-66	ARMY AREA CHANGED FROM SECOND TO FIRST	W F C
8-24-62	TRACT 403-2 DELETED. TRACT 414 ADDED.	B S W
6-13-63	ADDED TRACT 403-2	C J D

PLATE 13-2D



TRACT REGISTER OF ACQUISITION AFTER 1 JANUARY 1943 (CIVIL)

RE-D CODE	TRACT NO	LAND OWNER	ACREAGE FEE	ACREAGE PERPETUAL FLOWAGE EASEMENT	ACREAGE EASEMENT	ACREAGE	REMARKS
	500	LLOYD W McCRACKEN	26 17				
	501	LLOYD W McCRACKEN	5 94				
	502	LLOYD W McCRACKEN	6 11				
	503	V I SHUSS A/K/A VERN	11 99				
	503-2	V I SHUSS A/K/A VERN	3 44				
	504	V I SHUSS A/K/K VERN	3 42				
	505	ALTA McCLURE, ET AL	7 35				
	505-2	ALTA McCLURE, ET AL	0 81				
	506	ALTA McCLURE, ET AL	27 32				
	507	ALTA McCLURE, ET AL	18 80				
	508	MILDRED A WHITEMAN, ET AL	1 66				
	509	CHARLES WESLEY GEARHART	1 45				
(1)	510	CHARLES WESLEY GEARHART	23 35				
	511	CHARLES WESLEY GEARHART	10.04				
	511 E	CHARLES WESLEY GEARHART		5 85			
	512	VEDA E GARDNER	0 13				
	513 E	JAMES I YOUNG, ET UX		0 87			
	514 E	CLAIR B STRAW		34.19			
	515	GILBERT S WATTS, ET AL	12 74				
	515 E-1	GILBERT S WATTS, ET AL		15 06			
	515 E-2	GILBERT S WATTS, ET AL		26 11			
	516	WENDELL P WATTS	2 74				
	516 E	WENDELL P WATTS		26 77			
	517-1	H S ALE	0 36				
	517-2	H S ALE	0 07				
	518	BEECH CREEK EXTENSION RAILROAD COMPANY	57.57				

PROJECT MAP

DEPT. OF THE ARMY
USING SERVICE CORPS OF ENGINEERS

LOCATION OF PROJECT

STATE PENNSYLVANIA
COUNTY CLEARFIELD
DIVISION NORTH ATLANTIC
DISTRICT BALTIMORE
ARMY AREA FIRST
35 MILES NW OF ALTOONA
20 MILES SE OF DU BOIS

TRANSPORTATION FACILITIES

RAILROADS NEW YORK CENTRAL
STATE ROADS 453 & 969
FEDERAL ROADS 219 & 322
AIR LINES

ACQUISITION

TOTAL ACRES ACQUIRED
FEE
PUBLIC DOMAIN PERM. WITHDRAWAL / TEMP. WITHDRAWAL
USE PERMIT
TRANSFER
LEASE
LESSER INTERESTS
SEE SHEET NO. 1

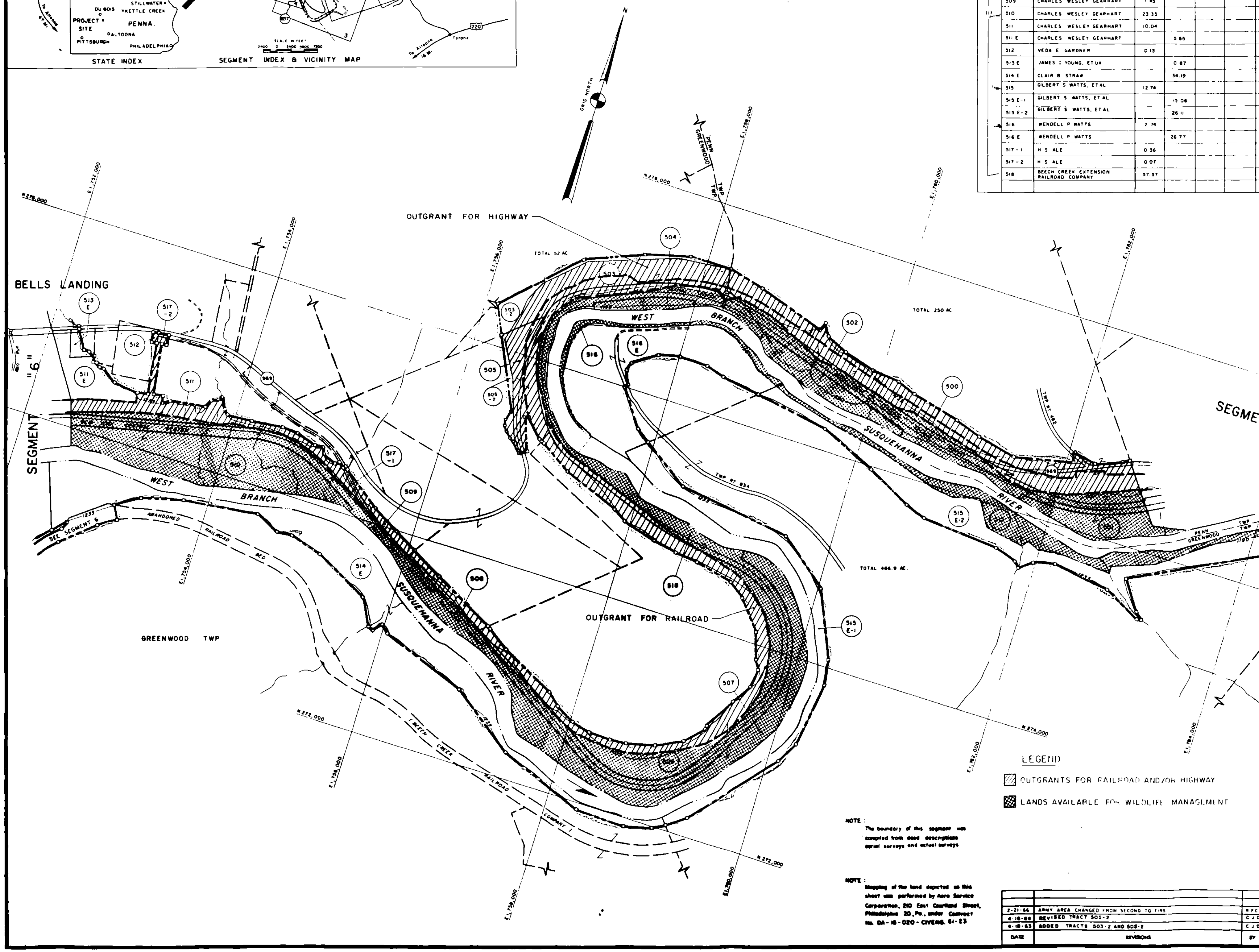
DISPOSAL

TOTAL ACRES DISPOSED OF
SOLD
PUBLIC DOMAIN PERM. WITHDRAWAL / TEMP. WITHDRAWAL
USE PERMIT
TRANSFERRED
LEASES TERMINATED
LESSER INTERESTS TERM.
REASSIGNED
OTHER
SEE SHEET NO. 1

LEGEND

EXCEPT FOR THE SPECIAL SYMBOLS SHOWN BELOW MAP SYMBOLS ARE STANDARD IN ARMY MAP SERVICE TECHNICAL MANUAL NO. 23.

RESERVATION LINE
RESERVATION LINE (Actual Survey)
TRACT BOUNDARY LINE
TRACT NUMBER (500)
CONTOUR LINE (1233)
DISPOSAL



ACQUISITION AUTHORIZATION

FLOOD CONTROL ACT 9-3-54 IN ACCORDANCE WITH HOUSE DOCUMENT NO 29, 84th CONGRESS 1st SESSION (ENG IND DCE DATED 5-18-60 (8/L 2-18-60))

LEGEND

OUTGRANTS FOR RAILROAD AND/OR HIGHWAY

LANDS AVAILABLE FOR WILDLIFE MANAGEMENT

NOTE: The boundary of this segment was compiled from deed descriptions aerial surveys and actual surveys

NOTE: Mapping of the land depicted on this sheet was performed by Aero Service Corporation, 210 East Courtland Street, Philadelphia 20, Pa., under Contract No. DA-18-020-CIVENG. 61-23

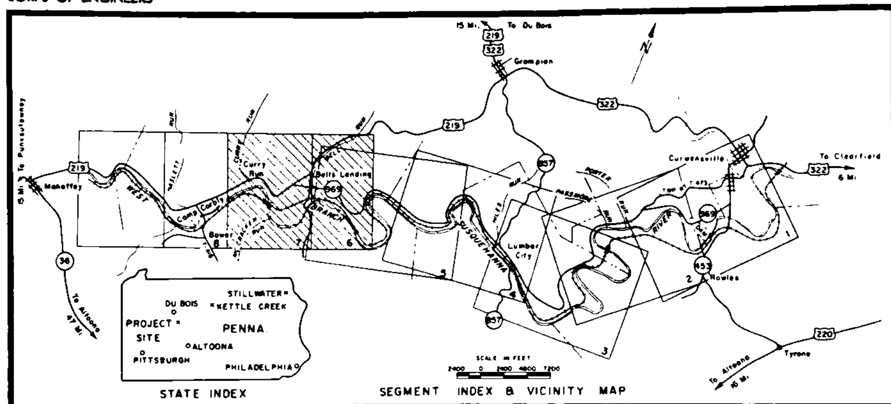
DATE	REVISIONS	BY
2-21-66	ARMY AREA CHANGED FROM SECOND TO FIRS	R F C
4-16-64	REVISED TRACT 503-2	C J D
4-18-63	ADDED TRACTS 503-2 AND 505-2	C J D

SEGMENT 5

CORPS OF ENGINEERS
NORTH ATLANTIC DIVISION BALTIMORE DISTRICT
REAL ESTATE

CURWENSVILLE RESERVOIR

DRAWN BY A S C
TRACED BY A S C
CHECKED BY C J D
SUBMITTED BY: CHIEF, CADASTRAL SECT
RECOMMENDED BY: CHIEF, REAL ESTATE DIV.
APPROVED BY: COL. CORPS OF ENGINEERS DISTRICT ENGINEER
DATE 11 DEC 1962
OFFICE, CHIEF OF ENGINEERS, WASHINGTON 25 D.C.
Scale 1" = 400'
400 0 400 800
INSTALLATION OR PROJECT NO.
SHEET 5 OF 8 DRAWING NO. RAD 298

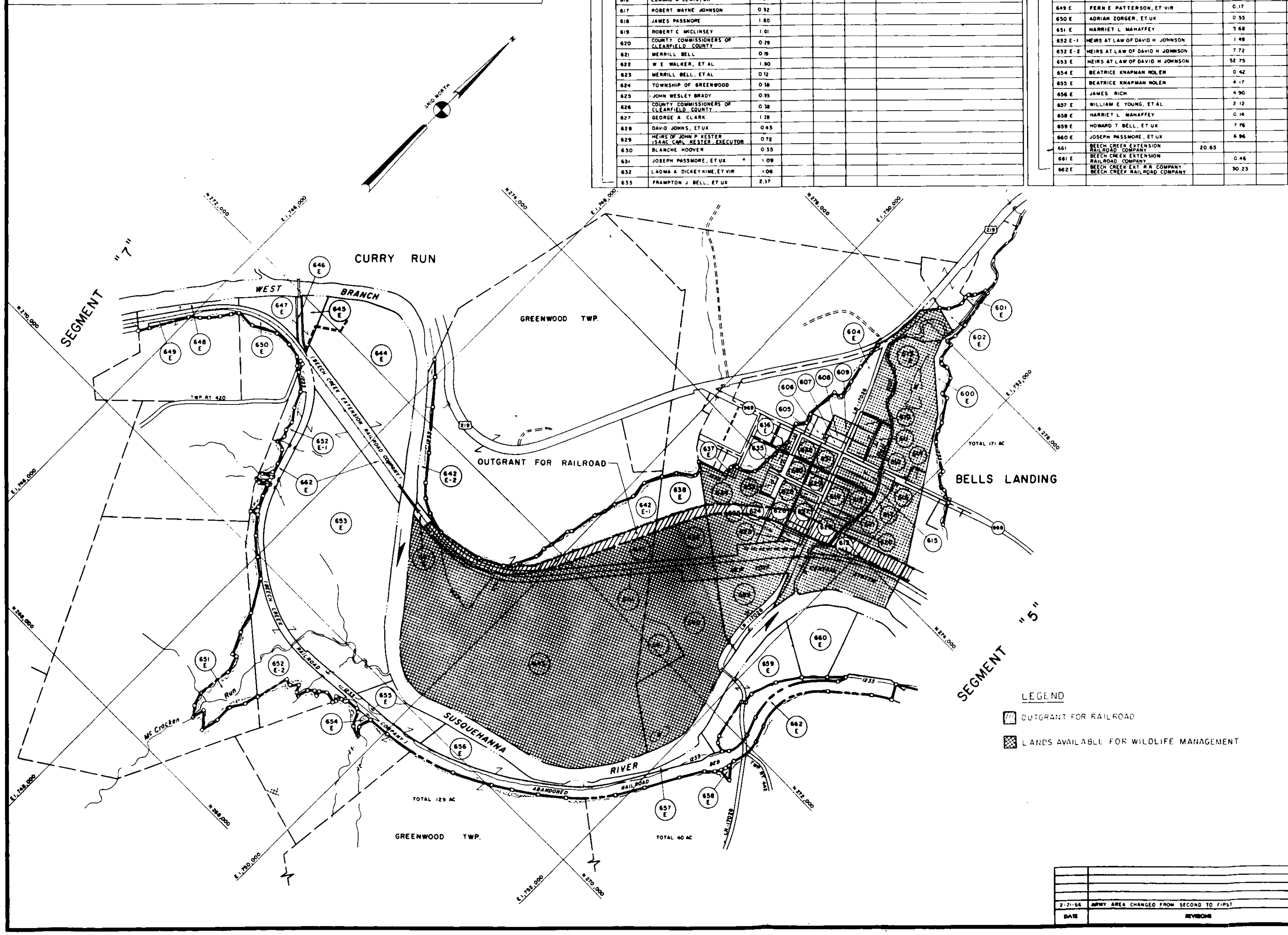


TRACT REGISTER OF ACQUISITION AFTER 1 JANUARY 1943 (CIVIL)

RE-D CODE	TRACT NO.	LAND OWNER	ACREAGE FEE	PERPETUAL FLOWAGE EASEMENT	EASEMENT		REMARKS
(1)	600 E	PATRICIA ANN PERRY LANG		3 73			
	601 E	CLARENCE BRACKEN, ET UX		0 27			
	602 E	JAMES P DICKEY, ET UX		1 03			
	604 E	LEWIS B CLAPGADDLE, ET UX		9 65			
	605	HARRIET JOHNSON MILLER & ANNA JOHNSON	0 29				
	606	LEEDILL JOHNSTON A/K/A LEDILL JOHNSTON	0 66				
	607	LAOMA A DICKEY KIME, ET VIR	0.37				
	608	MABEL DIEHL	0 30				
	609	ORRIN L SHEESLEY, ET UX	0 65				
	610	ESTHER-ANNA SNYDER	0 70				
	611	JESSE E YOUNG, WIDOWER	2 23				
	612	HARRINGTON McCULLY, ET UX	0 78				
	613 - 1	EDWARD W LEWIS, ET UX	5 12				
	613 - 2	EDWARD W LEWIS, ET UX	18 94				
	614	EDWARD W LEWIS JR, ET UX	0 59				
	615	ORD F BELL	1 00				
	616	EDWARD W LEWIS, SR	1.27				
	617	ROBERT WAYNE JOHNSON	0 32				
	618	JAMES PASSMORE	1.80				
	619	ROBERT C McCLINSEY	1.01				
	620	COUNTY COMMISSIONERS OF CLEARFIELD COUNTY	0 29				
	621	MERRILL BELL	0 19				
	622	W E WALKER, ET AL	1.80				
	623	MERRILL BELL, ET AL	0 12				
	624	TOWNSHIP OF GREENWOOD	0 38				
	625	JOHN WESLEY BRADY	0.93				
	626	COUNTY COMMISSIONERS OF CLEARFIELD COUNTY	0 38				
	627	GEORGE A CLARK	1 29				
	628	DAVID JOHNS, ET UX	0 43				
	629	HEIRS OF JOHN P KESTER ISAAC CARL KESTER, EXECUTOR	0 72				
	630	BLANCHE HOOVER	0 35				
	631	JOSEPH PASSMORE, ET UX	1 09				
	632	LAOMA A DICKEY KIME, ET VIR	1 06				
	633	FRAMPTON J BELL, ET UX	2.37				

TRACT REGISTER OF ACQUISITION AFTER 1 JANUARY 1943 (CIVIL)

RE-D CODE	TRACT NO.	LAND OWNER	ACREAGE FEE	PERPETUAL FLOWAGE EASEMENT	EASEMENT		REMARKS
(1)	634	MERRILL BELL, ET UX	11 66				
	635	LEWIS ROSS EST	0 43				
	636 E	GOLDIE WITHERITE		0 07			
	637 E	HAROLD WRIGHT, ET UX		0 15			
	638	WALTER H ROWLES & IDA B FASBOTTER	5.43				
	638 E	WALTER H ROWLES & IDA B FASBOTTER		3 37			
	639	JEFFERSON THOMAS & MERILE DICKEY A/K/A MIRL B DICKEY	6 27				
	640	HARRY G DERRICK, ET UX	21 19				
	641	EDWARD W LEWIS	3 53				
	642	CORA E MITCHELL	6 40				
	642 E-1	CORA E MITCHELL		7 07			
	642 E-2	CORA E MITCHELL		2 08			
	643	CORA E MITCHELL	80 46				
	644 E	HEIRS AT LAW OF DAVID H JOHNSON		21 62			
	645 E	MIRL B DICKEY, ET UX		1 52			
	646 E	TWP OF GREENWOOD		0 72			
	647 E	MIRL B DICKEY, ET UX		2 41			
	648 E	FERN E PATTERSON, ET VIR		0 98			
	649 E	FERN E PATTERSON, ET VIR		0.17			
	650 E	ADRIAN ZORGER, ET UX		0 55			
	651 E	HARRIET L MAHAFFEY		5 68			
	652 E-1	HEIRS AT LAW OF DAVID H JOHNSON		1 49			
	652 E-2	HEIRS AT LAW OF DAVID H JOHNSON		7.72			
	653 E	HEIRS AT LAW OF DAVID H JOHNSON		52 75			
	654 E	BEATRICE KNAPMAN NOLEN		0 42			
	655 E	BEATRICE KNAPMAN NOLEN		4 17			
	656 E	JAMES RICH		4 90			
	657 E	WILLIAM E YOUNG, ET AL		2 12			
	658 E	HARRIET L MAHAFFEY		0 14			
	659 E	HOWARD T BELL, ET UX		7 76			
	660 E	JOSEPH PASSMORE, ET UX		6 96			
	661	BEECH CREEK EXTENSION RAILROAD COMPANY	20.65				
	661 E	BEECH CREEK EXTENSION RAILROAD COMPANY		0.46			
	662 E	BEECH CREEK EXT R R COMPANY BEECH CREEK RAILROAD COMPANY		30.23			



NOTE
The boundary of this segment was compiled from deed descriptions aerial surveys and actual surveys.

NOTE
Mapping of the land depicted on this sheet was performed by Aero Service Corporation, 210 East Courtland Street, Philadelphia 20, Pa., under Contract No DA-18-020-CIVENG 61-23

PROJECT MAP

DEPT. OF THE ARMY
USING SERVICE CORPS OF ENGINEERS

LOCATION OF PROJECT

STATE PENNSYLVANIA
COUNTY CLEARFIELD
DIVISION NORTH ATLANTIC
DISTRICT BALTIMORE
ARMY AREA FIRST
35 MILES NW OF ALTOONA
20 MILES SE OF DU BOIS

TRANSPORTATION FACILITIES

RAILROADS NEW YORK CENTRAL
STATE ROADS 453 & 969
FEDERAL ROADS 219 & 322
AIR LINES

ACQUISITION

TOTAL ACRES ACQUIRED
FEE
PUBLIC DOMAIN { PERM. WITHDRAWAL / TEMP. WITHDRAWAL
USE PERMIT
TRANSFER
LEASE
LESSER INTERESTS
SEE SHEET NO. 1

DISPOSAL

TOTAL ACRES DISPOSED OF
SOLD
PUBLIC DOMAIN { PERM. WITHDRAWAL / TEMP. WITHDRAWAL
USE PERMIT
TRANSFERRED
LEASES TERMINATED
LESSER INTERESTS TERM.
REASSIGNED
OTHER
SEE SHEET NO. 1

LEGEND

EXCEPT FOR THE SPECIAL SYMBOLS SHOWN BELOW MAP SYMBOLS ARE STANDARD IN ARMY MAP SERVICE TECHNICAL MANUAL NO. 21.

RESERVATION LINE
RESERVATION LINE (Actual Survey)
TRACT BOUNDARY LINE
TRACT NUMBER 600
CONTOUR LINE 1233
DISPOSAL

ACQUISITION AUTHORIZATION
FLOOD CONTROL ACT 9-3-54 IN ACCORDANCE WITH HOUSE DOCUMENT NO 29, 84th CONGRESS 1st SESSION
(1) 4th IND OCE DATED 5-18-60 (B/L 2-18-60)

SEGMENT 6

CORPS OF ENGINEERS
NORTH ATLANTIC DIVISION BALTIMORE DISTRICT

REAL ESTATE

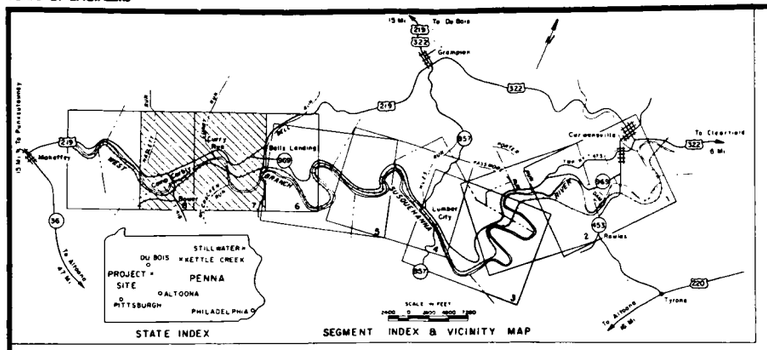
CURWENSVILLE RESERVOIR

DRAWN BY A S C
TRACED BY A S C
CHECKED BY C J D
SUBMITTED BY: [signature]
CHIEF, CADASTRAL SECT.
RECOMMENDED BY: Joseph W. Fisher
CHIEF, REAL ESTATE Div.
APPROVED BY: [signature] DATE 11 DEC. 1962
COL. CORPS OF ENGINEERS, DISTRICT ENGINEER
OFFICE, CHIEF OF ENGINEERS, WASHINGTON 25, D. C.
Scale 1" = 400'
INSTALLATION OR PROJECT NO.
SHEET 6 OF 8 DRAWING NO.

2-7-66	ARMY AREA CHANGED FROM SECOND TO FIRST	R.F.C.
DATE	REVISIONS	BY

CORPS OF ENGINEERS

U. S. ARMY

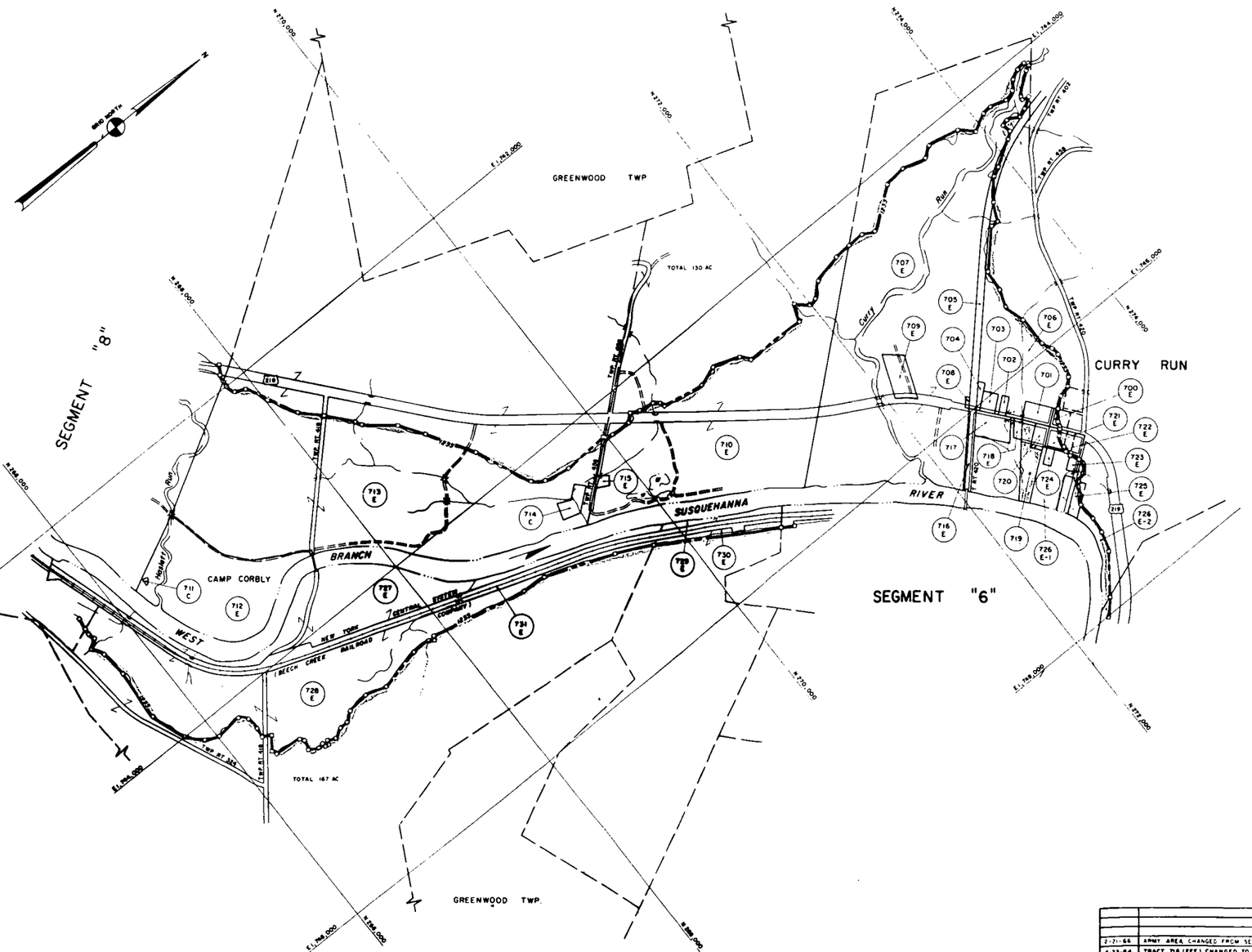


TRACT REGISTER OF ACQUISITION AFTER 1 JANUARY 1943 (CIVIL)

RE-D CODE	TRACT NO	LAND OWNER	ACREAGE FEE	ACREAGE PERPETUAL FLOWAGE EASEMENT	ACREAGE EASEMENT	REMARKS
	700 E	GEORGE R SAXE, ET UX		0.19		
	701	WILLIAM O LINES, ET UX	0.85			
	702	WELLINGTON E CURRY, ET UX	0.24			
	703	MOLLIE E JOHNSTON EST	0.46			
	704	W BR BANK & TR CO TRUSTEE OF JAMES B GRAHAM EST	0.23			
	705 E	W BR BANK & TR CO TRUSTEE OF J B GRAHAM & GRACE B MITCHELL		2.61		
	706 E	CHARLES L THORP, ET UX		15.53		
	707 E	CHARLES L THORP, ET UX		70.55		
	708 E	TRUSTEES OF GREENWOOD GRANGE		0.06		
	709 E	RANCE THORP, ET UX		1.67		
	710 E	WENDELL H YOUNG AND LINA YOUNG		44.33		
	711 C	GEORGE W HATCH, ET UX	0.03			
	712 E	CAMP CORBLY ASSOCIATION		17.19		
	713 E	LILLIAN J. MITCHELL		71.03		
	714 C	TRUSTEES OF ZION BAPTIST CHURCH	0.02			
	715 E	BOARD OF SCHOOL DIRECTORS OF GREENWOOD TWP		0.22		
	716 E	TWP OF GREENWOOD		0.90		
	717	L J MC NEAL, SR, ET UX	1.43			
	718 E	TRUSTEES OF METH EPISCOPAL CHURCH		0.25		
	719	DAYTON W LINES, ET UX	1.74			

TRACT REGISTER OF ACQUISITION AFTER 1 JANUARY 1943 (CIVIL)

RE-D CODE	TRACT NO	LAND OWNER	ACREAGE FEE	ACREAGE PERPETUAL FLOWAGE EASEMENT	ACREAGE EASEMENT	REMARKS
	720	ELIZA C JOHNSTON	0.52			
	721 E	JAMES N REDDEN		0.44		
	722 E	WILSON WOODROW BELL		0.01		
	723 E	ALLEN J JOHNSTON, ET UX		0.23		
	724 E	WELLINGTON E CURRY, ET UX		0.21		
	725 E	ELKIN N JOHNSTON		1.03		
	726 E-1	WILLIAM H JOHNSTON, ET UX		2.63		
	726 E-2	WILLIAM H JOHNSTON, ET UX		1.41		
	727 E	ALLEN C BORGREN A/K/A BOGREN		18.89		
	728 E	ALLEN C BORGREN A/K/A BOGREN		35.50		
	729 E	ADRIAN ZORGER		1.04		
	730 E	ADRIAN ZORGER		1.06		
	731 E	BEECH CREEK RAILROAD COMPANY		10.91		



NOTE

The boundary of this segment was compiled from deed descriptions aerial surveys and actual surveys

NOTE

Mapping of the land depicted on this sheet was performed by Aero Service Corporation, 210 East Courtland Street, Philadelphia 20, Pa, under Contract No DA-18-020-CIVENG 61-23

ACQUISITION AUTHORIZATION

FLOOD CONTROL ACT 9 3-54 IN ACCORDANCE with HOUSE DOCUMENT NO 29, 84th CONGRESS 1st SESSION

(11 6th-NO OCE DATED 5-18-60 (B/L 2-18-60)

PROJECT MAP

DEPT. OF THE ARMY

USING SERVICE CORPS OF ENGINEERS

LOCATION OF PROJECT

STATE PENNSYLVANIA

COUNTY CLEARFIELD

DIVISION NORTH ATLANTIC

DISTRICT BALTIMORE

ARMY AREA FIRST

35 MILES NW OF ALTOONA

20 MILES SE OF DU BOIS

TRANSPORTATION FACILITIES

RAILROADS NEW YORK CENTRAL

STATE ROADS 453 & 969

FEDERAL ROADS 219 & 322

AIR LINES

ACQUISITION

TOTAL ACRES ACQUIRED

FEE

PUBLIC DOMAIN (PERM. WITHDRAWAL / TEMP. WITHDRAWAL)

USE PERMIT

TRANSFER

LEASE

LESSER INTERESTS

SEE SHEET NO

DISPOSAL

TOTAL ACRES DISPOSED OF

SOLD

PUBLIC DOMAIN (PERM. WITHDRAWAL / TEMP. WITHDRAWAL)

USE PERMIT

TRANSFERRED

LEASES TERMINATED

LESSER INTERESTS TERM.

REASSIGNED

OTHER

SEE SHEET NO

LEGEND

EXCEPT FOR THE SPECIAL SYMBOLS SHOWN BELOW MAP SYMBOLS ARE STANDARD IN ARMY MAP SERVICE TECHNICAL MANUAL NO. 83.

RESERVATION LINE

RESERVATION LINE (Actual Survey)

TRACT BOUNDARY LINE

TRACT NUMBER (700)

CONTOUR LINE (1233)

DISPOSAL

SEGMENT 7

CORPS OF ENGINEERS

NORTH ATLANTIC DIVISION BALTIMORE DISTRICT

DRAWN BY A S C

TRACED BY A S C

CHECKED BY C J D

SUBMITTED BY:

CHIEF, CADASTRAL SECT

RECOMMENDED BY:

CHIEF, REAL ESTATE DIV

REAL ESTATE

CURWENSVILLE RESERVOIR

APPROVED BY: DATE 11 Dec. 1963

COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

OFFICE, CHIEF OF ENGINEERS, WASHINGTON 25, D. C.

Scale 1" = 400'

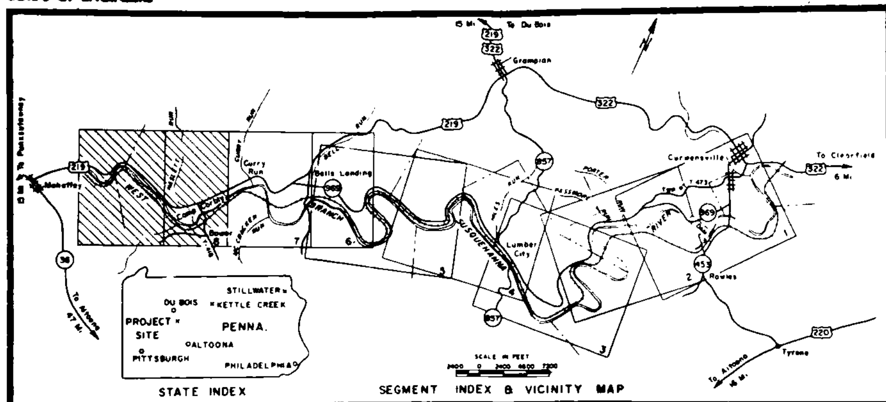
400 0 400 800

INSTALLATION OR PROJECT NO.

SHEET 7 OF 8 DRAWING NO. NAD 298

DATE	REVISIONS	BY
2-21-66	ARMY AREA CHANGED FROM SECOND TO FIRST	R.F.C.
6-23-64	TRACT 718 (FEE) CHANGED TO 718E (EASEMENT)	C.J.D.

PLATE 13-26



TRACT REGISTER OF ACQUISITION AFTER 1 JANUARY 1943 (CIVIL)

RE-D CODE	TRACT NO	LAND OWNER	ACREAGE: FEE	PERPETUAL FLOWAGE EASEMENT	EASEMENT		REMARKS
(1)	800 E	SARAH E MC CRACKEN, ET AL		34.15			
(1)	801 E-1	WILLIAM E. YOUNG, ET AL		1.15			
(1)	801 E-2	WILLIAM E YOUNG, ET AL		0.20			
(1)	802 E	WILLIAM E YOUNG		4.54			
(1)	803 E	OLIVER B LEE, ET UX		0.98			
(1)	804 E	WOODROW B DUNLAP		11.17			
(1)	805 E	HARRIET L MAHAFFEY		1.33			
(1)	806 E	GLENN E THOMSON, ET AL.		3.71			
(1)	807 E	WALDON WALLS AND ROSE ALTHA SUTTON		5.79			
(1)	808 E	DONALD MECKLEY, ET AL		1.89			
(1)	809 E	[illegible]JAMIN COAL CO		1.40			
(1)	810 E	BEECH CREEK RAILROAD COMPANY		17.53			

NOTE
The boundary of this segment was compiled from deed descriptions aerial surveys and actual surveys

NOTE
Mapping of the land depicted on this sheet was performed by Aero Service Corporation, 210 East Courtland Street, Philadelphia 20, Pa., under Contract No DA-18-020-CIVENG 61-23

ACQUISITION AUTHORIZATION

FLOOD CONTROL ACT 9-3-54 IN ACCORDANCE WITH HOUSE DOCUMENT NO 29, 84th CONGRESS 1st SESSION
(1) 4th IND OCE DATED 5-18-60 (B/L 2-18-60)

PROJECT MAP

DEPT. OF THE ARMY
USING SERVICE CORPS OF ENGINEERS

LOCATION OF PROJECT

STATE PENNSYLVANIA
COUNTY CLEARFIELD
DIVISION NORTH ATLANTIC
DISTRICT BALTIMORE
ARMY AREA FIRST
35 MILES NW OF ALTOONA
20 MILES SE OF DU BOIS

TRANSPORTATION FACILITIES

RAILROADS NEW YORK CENTRAL
STATE ROADS 453 & 969
FEDERAL ROADS 219 & 322
AIR LINES

ACQUISITION

TOTAL ACRES ACQUIRED
FEE
PUBLIC DOMAIN PERM. WITHDRAWAL / TEMP. WITHDRAWAL
USE PERMIT
TRANSFER
LEASE
LESSER INTERESTS
SEE SHEET NO.

DISPOSAL

TOTAL ACRES DISPOSED OF
SOLD
PUBLIC DOMAIN PERM. WITHDRAWAL / TEMP. WITHDRAWAL
USE PERMIT
TRANSFERRED
LEASES TERMINATED
LESSER INTERESTS TERM.
REASSIGNED
OTHER
SEE SHEET NO.

LEGEND

EXCEPT FOR THE SPECIAL SYMBOLS SHOWN BELOW MAP SYMBOLS ARE STANDARD IN ARMY MAP SERVICE TECHNICAL MANUAL NO. 23.

RESERVATION LINE
RESERVATION LINE (Actual Survey)
TRACT BOUNDARY LINE
TRACT NUMBER (800)
CONTOUR LINE (1233)
DISPOSAL

SEGMENT 8

CORPS OF ENGINEERS
NORTH ATLANTIC DIVISION BALTIMORE DISTRICT

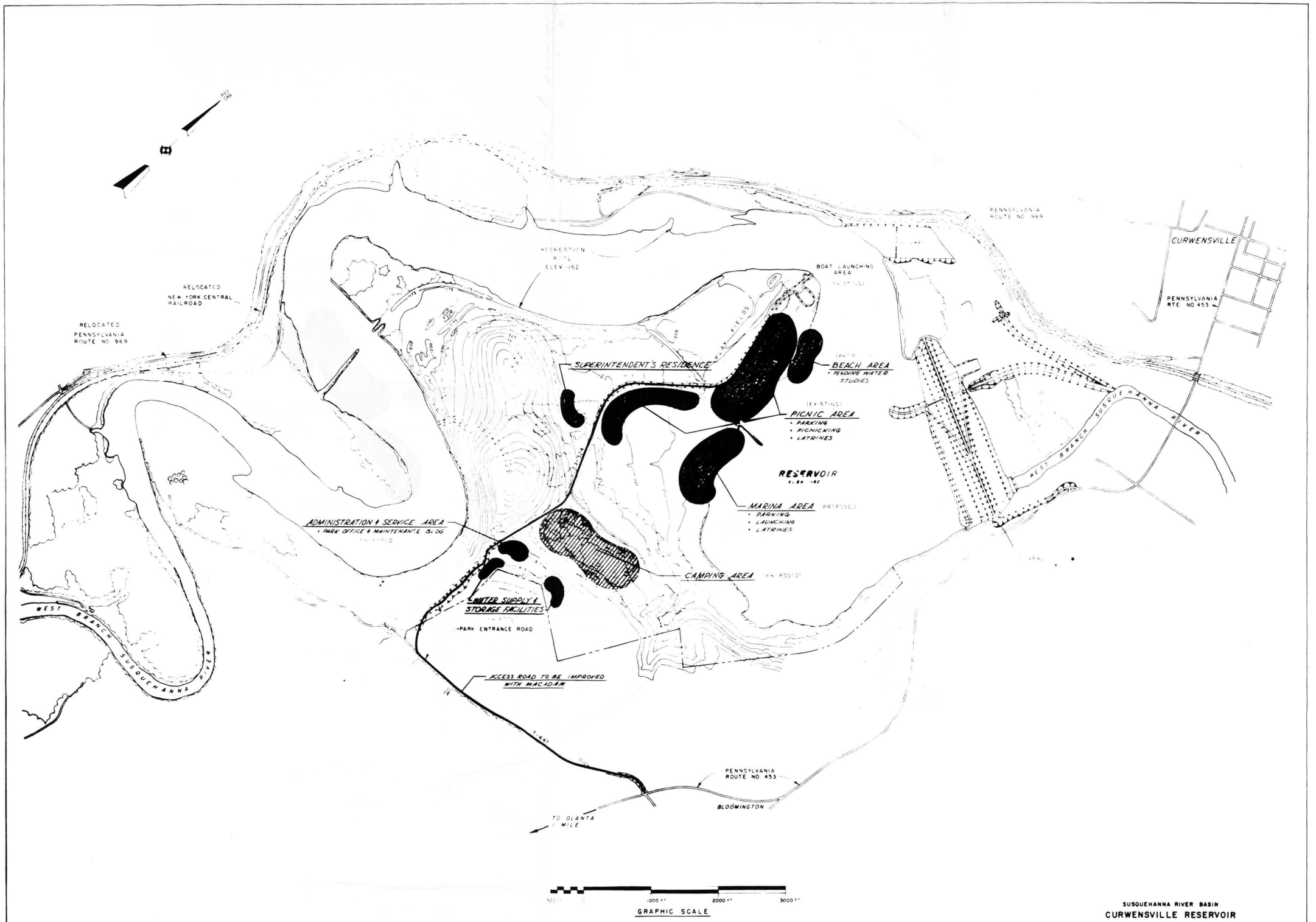
DRAWN BY A S C
TRACED BY A S C
CHECKED BY C J D
SUBMITTED BY: [signature]
CHIEF, CADASTRAL SECT
RECOMMENDED BY: Joseph [signature]
CHIEF, REAL ESTATE DIV

REAL ESTATE
CURWENSVILLE RESERVOIR

APPROVED BY: Roy Kelley [signature]
COL. CORPS OF ENGINEERS, DISTRICT ENGINEER
DATE 11 DEC 1962

OFFICE, CHIEF OF ENGINEERS, WASHINGTON 25, D. C.
Scale 1" = 400'
400 0 400 800
INSTALLATION OR PROJECT NO.
SHEET 8 OF 8 DRAWING NO. N A.D. 288

DATE	REVISIONS	BY
2-21-66	ARMY AREA CHANGED FROM SECOND TO FIRST	R F C



SUSQUEHANNA RIVER BASIN

CURWENSVILLE RESERVOIR

GENERAL MASTER DEVELOPMENT PLAN

AS PROPOSED BY

THE BUREAU OF STATE PARKS

COMMONWEALTH OF PENNSYLVANIA

13 SEPT. 1965

PLATE 13-3