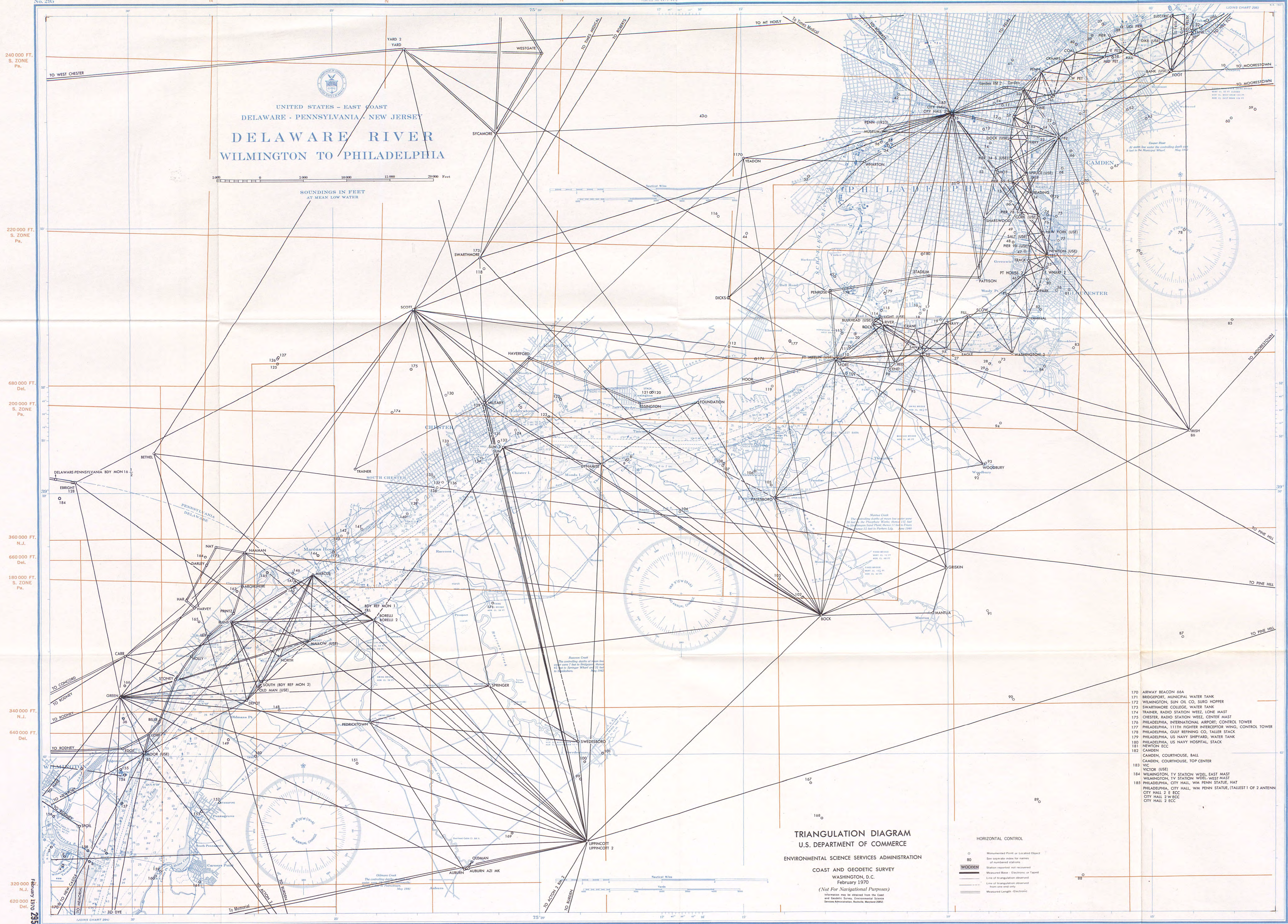


UNITED STATES - EAST COAST
DELAWARE - PENNSYLVANIA - NEW JERSEY
DELAWARE RIVER
WILMINGTON TO PHILADELPHIA

SOUNDINGS IN FEET
AT MEAN LOW WATER



TRIANGULATION DIAGRAM
U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY
WASHINGTON, D.C.
February 1970
(Not For Navigational Purposes)

HORIZONTAL CONTROL
○ Monumented Point or Landmark Object
○ See separate index for names of monumented stations
□ Station reported not recovered
○ Measured Base - Extension or Taper
--- Line of triangulation observed
--- Measured Length - Observed

- 1 WILMINGTON, PER SHOPS, TALL BRICK STACK
- 2 WILMINGTON, THE PYRITES CO, NORTH STACK
- 3 WILMINGTON, MARINE TERMINAL, WATER TANK
- 4 WILMINGTON, TANNING CORP, CONCRETE STACK
- 5 CHRISTIANA RIVER N ENTRANCE LIGHT
- 6 CHRISTIANA RIVER S ENTRANCE LIGHT
- 7 EDDYSTONE, BALDWIN LOCOMOTIVE WORKS, TALL STACK
- 8 EDDYSTONE, BALDWIN LOCOMOTIVE WORKS, WATER TANK
- 9 GIBBSTOWN, DUPONT REPAIR WORKS, NE STACK
- 10 GIBBSTOWN, DUPONT REPAIR WORKS, SW STACK
- 11 PENNSAUKEN, MERCHANTVILLE-PENSAUKEN WATER COMMISSION, STANDPIPE
- 12 PHILADELPHIA, WELBUR CHIMNEY
- 13 PHILADELPHIA, CHRIST'S CHURCH, CROSS
- 14 PHILADELPHIA, PENN MUTUAL LIFE INSURANCE BLDG, FLAGPOLE
- 15 PHILADELPHIA, DELAWARE SUGAR CO, CONCRETE STACK
- 16 PHILADELPHIA, NAVY YARD, N RADIO TOWER
- 17 PHILADELPHIA, NAVY YARD, WHITE WATER TANK
- 18 PHILADELPHIA, NAVY YARD, S RADIO TOWER
- 19 PHILADELPHIA, NAVY YARD, POWER PLANT, STACK
- 20 PHILADELPHIA, NAVY YARD, POWER PLANT, WATER TANK
- 21 WEST HORSESHOE FRONT RANGE LIGHT
- 22 CAMDEN, HIGHLAND HORSESHOE MILLS, CHIMNEY
- 23 CAMDEN, NORTH BAPTIST CHURCH, DOME
- 24 CAMDEN, VAN SCIVER BLDG, CUPOLA
- 25 GLOUCESTER, WELSBACK CO, WATER TANK
- 26 GLOUCESTER, ST MARY'S CHURCH, SPIRE
- 27 EAGLE POINT REAR RANGE LIGHT
- 28 EAST HORSESHOE FRONT RANGE LIGHT
- 29 EAST HORSESHOE REAR RANGE LIGHT
- 30 DELMAR, KECHERER CONTAINER CO, STACK
- 31 FISHER POINT RANGE, FRONT LIGHT
- 32 FISHER POINT RANGE REAR LIGHT
- 33 PER 33 N 2
- 34 PHILADELPHIA, ST AUGUSTUS CHURCH, SPIRE
- 35 PHILADELPHIA, WANAMAKER TOWER, LIGHT
- 36 MARCUS HOOK REAR RANGE LIGHT
- 37 PHILADELPHIA, READING CO, GRAN ELEVATOR, FLAGPOLE
- 38 PHILADELPHIA, PEARSON & LUDASCHER LUMBER CO, TANK
- 39 PHILADELPHIA, READING CO, SQUAT BLACK WATER TANK
- 40 PHILADELPHIA, WA CRAMP & SONS CO, HIGH CHIMNEY
- 41 PHILADELPHIA, SCHWABT BREWERY, FINAL OF DOME
- 42 PHILADELPHIA, PER POWER HOUSE, STACK
- 43 PHILADELPHIA, GAS CO, GAS TANK
- 44 PHILADELPHIA, FELS NAPHA CO, STACK
- 45 PHILADELPHIA, GULF REFINING CO, SW STACK
- 46 PHILADELPHIA, POINT HOUSE TANK
- 47 PHILADELPHIA, PUBLICKER CO, SQUAT SILVER WATER TANK
- 48 PHILADELPHIA, QUARTERMASTER TANK
- 49 PHILADELPHIA, CAMPHOR CHIMNEY
- 50 PHILADELPHIA, BAUGHN CHIMNEY
- 51 PHILADELPHIA, ANNUNCIATION CHURCH, GOLD CROSS ON SPIRE
- 52 PHILADELPHIA, FEDERAL CONTAINER CO, WATER TANK
- 53 PHILADELPHIA, GERMAN EVANGELICAL LUTHERAN EMANUELS CHURCH, SPIRE
- 54 PHILADELPHIA, ELECTRIC CO, STACK
- 55 PHILADELPHIA, EAST TRANSMISSION TOWER
- 56 PHILADELPHIA, WEST TRANSMISSION TOWER
- 57 PER NO 5 USE MARK
- 58 PETTY ISLAND, CREWELVOCK OIL CO, TANK
- 59 MERCHANTVILLE, ES PERKINS CO, ICE PLANT, STACK
- 60 MERCHANTVILLE, LARGER MUNICIPAL STANDPIPE
- 61 CAMDEN, COOPER POINT TANK
- 62 CAMDEN, RK CO, STACK
- 63 FAYONIA, HIGH STANDPIPE
- 64 CAMDEN, NJ WATER CO, STANDPIPE
- 65 CAMDEN, ICA VICTOR BLDG, FLAGPOLE
- 66 EDGEMOOR (USE)
- 67 CAMDEN, CITY HALL
- 68 CAMDEN, HIGH SCHOOL, SQUARE TOWER CENTER FINAL
- 69 CAMDEN, ST PETER & PAUL CHURCH, SQUARE SPIRE WITH CROSS
- 70 CAMDEN, CORE CO, CHIMNEY
- 71 CAMDEN, ST JOSEPHS CHURCH, CROSS ON GREEN DOME
- 72 CAMDEN, PUMPHING STATION 4, GRAY STANDPIPE
- 73 CAMDEN, EVANSON & LEVERING CO, RED TANK
- 74 WASHINGTON PARK STAIRS (USE)
- 75 CAMDEN, ARNOLDSON CORK CO, CHIMNEY
- 76 CAMDEN, CROFTS CHIMNEY (USE)
- 77 CAMDEN, ALANDRICH & FORBES LICEICE WORKS, CHIMNEY
- 78 CAMDEN, NEW YORK SHIP BUILDING CO, WATER TANK
- 79 COLLINGSWOOD, MUNICIPAL STANDPIPE
- 80 GLOUCESTER CITY, ARGO MILLS, TOWER
- 81 GLOUCESTER, MUNICIPAL STANDPIPE
- 82 GLOUCESTER, LANG PAPER CO, TANK
- 83 GLOUCESTER, LANG PAPER CO, STACK
- 84 WESTVILLE, MUNICIPAL WATER TANK
- 85 MADISON HEIGHTS, NJ WATER CO, TANK
- 86 RUNNEMEDA, MUNICIPAL STANDPIPE
- 87 LAKELAND, CAMDEN INSTITUTIONS, LETTERED STACK
- 88 GLASSBORO, MUNICIPAL WATER TANK
- 89 PITMAN, MUNICIPAL STANDPIPE
- 90 SEWELL, MUNICIPAL STANDPIPE
- 91 WENONAH, MUNICIPAL STANDPIPE
- 92 WOODBURY COURTHOUSE, CLOCK TOWER
- 93 CENTER OF BRIDGE ON HIGHWAY 43
- 94 COLONIAL MANOR, WATER TANK
- 95 NATIONAL PARK, MUNICIPAL STANDPIPE
- 96 REVOLUTIONARY MONUMENT (USE)
- 97 EAGLE POINT (USE)
- 98 BELLEVUE HOTEL, RM
- 99 SWEDESBORO, HIGH SCHOOL, CUPOLA
- 100 SWEDESBORO, WW DIXES CO, SQUAT BLACK WATER TANK
- 101 SWEDESBORO, TERRY EPISCOPAL CHURCH, SPIRE
- 102 CLARKSBORO, EAST GREENWICH TWP, SILVER WATER TANK
- 103 AIRWAY BEACON (USE)
- 104 GIBBSTOWN, MUNICIPAL WATER TANK
- 105 PAULSBORO, SANDURA WOOD CORP, SQUAT BLACK WATER TANK
- 106 PAULSBORO, MUNICIPAL WATER TANK
- 107 PAULSBORO, VACUUM OIL CO, E CONCRETE STACK
- 108 PAULSBORO, VACUUM OIL CO, N BRICK STACK
- 109 BLOCK ISLAND LIGHT
- 110 FT MYERS, GRAY WATER TANK
- 111 FT MYERS, FLAGPOLE
- 112 ABANDONED MILL, STACK
- 113 WEST HORSESHOE REAR RANGE LIGHT
- 114 SCHUYLKILL RIVER ENTRANCE FRONT RANGE
- 115 SCHUYLKILL RIVER ENTRANCE REAR RANGE
- 116 DABRY, SUPPLY DAIRY CO, SILVER WATER TANK
- 117 LONGSACRE PARK ICE & HEATING CO, STACK
- 118 SWARTHMORE COLLEGE, CLOTHIER MEMORIAL HALL, STONE TOWER
- 119 HOG ISLAND WATER TANK
- 120 ESSINGTON, WESTINGHOUSE ELECTRIC CO, STACK
- 121 ESSINGTON, WESTINGHOUSE ELECTRIC CO, WATER TANK
- 122 EDDYSTONE, GENERAL STEEL CASTING CORP, WATER TANK
- 123 EDDYSTONE, FEDERAL ALLOY STEEL CORP, SQUAT SILVER WATER TANK
- 124 EDDYSTONE MFG CO, SQUARE BRICK STACK
- 125 VILLAGE GREEN, LA VERNA HEIGHTS, WATER TANK
- 126 VILLAGE GREEN, SISTERS OF ST FRANCIS CONVENT, RED DOME
- 127 VILLAGE GREEN, SISTERS OF ST FRANCIS CONVENT, SPIRE
- 128 DELAWARE-PENNSYLVANIA BOND MON 17
- 129 PENNSYLVANIA MILITARY COLLEGE
- 130 CHESTER, FIRST PRESBYTERIAN CHURCH, SPIRE
- 131 CHESTER, ABBEY FIC CO, WATER TANK
- 132 CHESTER, SUN SHIPBUILDING & DRYDOCK CO, STACK
- 133 CHESTER, HIGH SCHOOL, BERRY
- 134 CHESTER, SCOTT PAPER CO, SILVER WATER TANK
- 135 CHESTER, IMMACULATE HEART CHURCH, SPIRE
- 136 CHESTER, FORD MOTOR CO, SILVER WATER TANK
- 137 CHESTER, AMERICAN DYE WOOD CO, STACK
- 138 CHESTER, PHILADELPHIA GAS & ELECTRIC CO, STACK
- 139 CHESTER, SEABOARD STEEL CO, STACK
- 140 CHESTER, PHILADELPHIA GAS & ELECTRIC CO, COKE PLANT, STACK
- 141 MARCUS HOOK, SINCLAIR REF. CO, SE STACK
- 142 MARCUS HOOK, VISCOSSE CO, WEST STACK
- 143 MARCUS HOOK, VISCOSSE CO, WEST STACK
- 144 MARCUS HOOK, PURE OIL CO, TALLEST STACK
- 145 CLAYMONT, WORTH STEEL CO, SE STACK
- 146 CLAYMONT, GENERAL CHEMICAL CO, TALL STACK
- 147 CLAYMONT, GENERAL CHEMICAL CO, LOW ROAD STACK
- 148 DELAWARE ORDINANCE DEPOT, LOOKOUT TOWER
- 149 DELAWARE ORDINANCE DEPOT, SMALL WHITE WATER TANK
- 150 DELAWARE ORDINANCE DEPOT, SQUAT SILVER WATER TANK
- 151 AIRWAY BEACON 'ND 68
- 152 PENNSINGOYE, STANDPIPE
- 153 PENNSINGOYE, ST PAULS CHURCH, SPIRE
- 154 WILMINGTON, EDGEMOOR IRON CO, STACK
- 155 WILMINGTON, EDGEMOOR IRON CO, SQUAT WATER TANK
- 156 WILMINGTON, NORTHEAST TRANSMISSION TOWER
- 157 BELLEVUE FRONT RANGE LIGHT
- 158 BELLEVUE REAR RANGE LIGHT
- 159 CANNETS PT, DUPONT POWDER CO, TALL BLACK WATER TANK
- 160 CANNETS PT, DUPONT POWDER CO, BRICK STACK
- 161 CANNETS POINT WATER TANK
- 162 WILMINGTON, ALLEN CHEMICAL CO, ELEVATOR
- 163 WILMINGTON, BROOK VIEW, WATER TANK
- 164 WILMINGTON, ABBOTTSBURY HILLS, WATER TANK
- 165 WILMINGTON, HOLLY OAK WATER TANK
- 166 WILMINGTON, VILLA MONTMARTY, WATER TANK
- 167 MULLICA HILL, HOLY NAME CHURCH, CROSS
- 168 MULLICA HILL, STANDPIPE
- 169 AUBURN, AT & T MICROWAVE RELAY TOWER