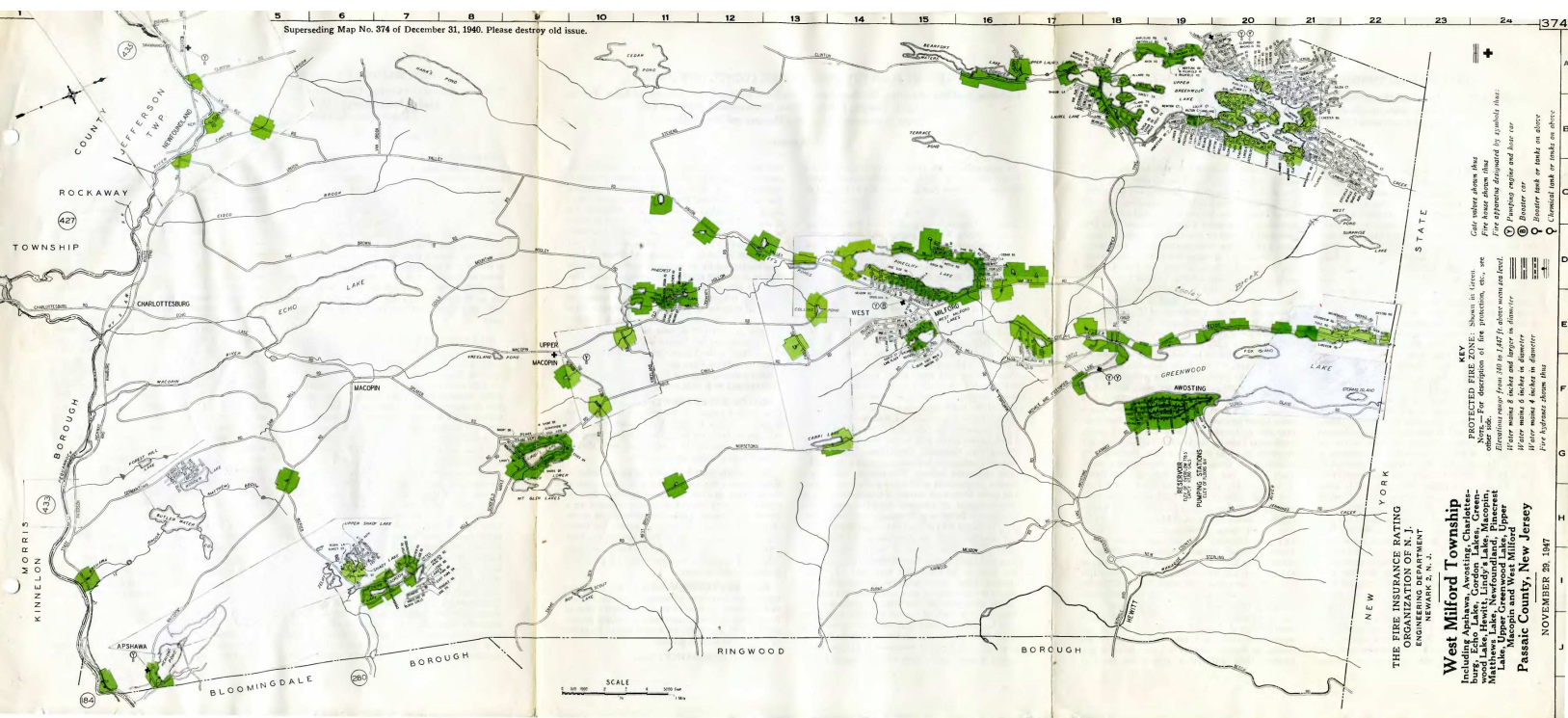


Superseding Map No. 374 of December 31, 1940. Please destroy old issue.



November 29, 1947.

WEST MILFORD TOWNSHIP, PASSAIC COUNTY, NEW JERSEY.

Including Apshawa, Awosting, Charlotteshburg, Echo Lake, Gordon Lakes, Greenwood Lake, Hewitt, Lindy's Lake, Macopin, Matthews Lake, Newfoundland, Pinecrest Lake, Upper Greenwood Lake, Upper Macopin and West Milford

Population — 1940 Census 2,501. Estimated Summer Population 5,000.

IN GENERAL: Located in the extreme northern portion of the county adjoining the New York State Line. It is essentially a farming and dairying section with numerous seasonal developments at Greenwood Lake and other lakes throughout the territory. The township also includes a large portion of the Newark watershed. Total area about 80.7 square miles. Area of mapped portion about 66.2 square miles. Elevations range from 340 to 1,447 feet above mean sea level. Through roads are macadam or concrete in fair to good condition. Secondary streets are macadam or dirt in fair to poor condition. Except for topography with accompanying steep grades, there are no features which should abnormally interfere with the response and operations of the fire department.

WATER SUPPLY: Water for fire protection purposes is mainly available from numerous streams, ponds and lakes throughout the township, but in addition there is a small water system owned by the Ringwood Company at Awosting on Greenwood Lake. **Ringwood Company System:** This system was installed in 1914 and improved in 1931. It is in charge of the resident manager of the property who serves as superintendent. All repairs and extensions are made under the direction of the superintendent and there are several employees and a truck available for maintenance. Incomplete records of the distribution system, pumping station, reservoir, and pumpage are maintained. **Supply Works:** Supply is obtained from two 6-inch wells, one being 125 feet deep, built in 1914, and having a yield of approximately 25 g.p.m., the other being 137 feet deep, built in 1931, and having a 28-g.p.m. yield. The latter well is held in reserve. **Pumping Stations:** Located as shown on map. **Station No. 1:** It is a 1-story concrete structure with concrete floor, asbestos shingled roof, and electric lights. No heat. Wiring in conduit. Housekeeping fair. Exposure from woods only. Elevation of floor about 614 feet. **Equipment:** A Gould 20-g.p.m. deep well pump belt-driven by a 5-h.p. electric motor. Pump discharges through a 3-inch line to the distribution system with the reservoir acting as an equalizer. **Station No. 2:** It is a small 1-story stucco on frame building with concrete floor, composition roof, and electric lights.

No heat. Wiring in conduit. Housekeeping fair. Exposure from woods only. Elevation of floor about 614 feet. **Equipment:** A Gould 20-g.p.m. deep well pump belt-driven by a 5-h.p. electric motor. This pump discharges directly through a 3-inch main to the reservoir and is automatic in operation. Power for both pumps is obtained through a single overhead service. **Distribution System:** In one service; see map. It consists of 4-inch and 8-inch lines fairly well gridironed. **Reservoir:** Located as shown on map. It is of concrete with a composition on wood roof built in 1914. It is 44 x 42 x 8½ feet with a capacity of 117,810 gallons. Elevation of overflow 778.5 feet. **Consumption:** The average and maximum daily consumption is estimated to be 20,000 and 28,000 gallons. At the time of inspection there were about 110 services, all of which are metered. **Pipe:** Pipe is cast iron, tar coated, bell and spigot joint, laid with a 3-foot cover. In addition there is a small amount of 4-inch steel pipe with Universal joint. Total length, 15,250 feet; 3.6% 10-inch, 73.5% 8-inch, 19.3% 4-inch, and 3.6% 3-inch. No trouble was reported from freezing or electrolysis. **Gate Valves:** 23 of Darling make set with iron boxes at or near grade. Inspection is irregular. **Hydrants:** There are 40 of Darling make of standard type with 6-inch gated branches, and two 2½-inch outlets. All outlets are National Standard. Inspection is irregular and condition at time of resurvey was poor. **Pressures:** Readings taken at 4 widely distributed hydrants showed pressures ranging from 29 to 57 pounds with an average of 43 pounds. **Fire Flow Tests:** Probable supply available for fire protection purposes was measured on October 17, 1940 by means of Pitot tube. Location of hydrant, discharge in gallons per minute, pressure before flow, and pressure during flow were as follows:

Shepard Rd. and Windbeam Ave., 250—29—*.
Board Rd. and Windbeam Ave., 350—54—51.
Awosting Rd. S. of Pompton Ave., 590—33—20.
Awosting Rd. S. of Long Pond Rd., 670—57—26.
*No reading taken.

FIRE DEPARTMENT: Township fire department consists of 6 independently operated volunteer companies. Each company owns quarters, apparatus, and equipment and receives an annual appro-

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Continued.

priation of \$500 from the township. Officers are elected annually by the companies without township confirmation. **Companies—Apshawa Fire Company:** Located in the Apshawa Section on Macopin Road opposite the south side of Henion's Pond as shown on map. Building is a 1-story frame community house with a cement block addition housing the fire apparatus. Apparatus room has a composition covered wood roof, concrete apparatus floor, coal stove, and electric lights. Main building has a wood shingled roof. Siren is mounted on bell tower at main building. Total membership 40, of whom about 25 members are active including the chief, 3 assistant chiefs, of whom a minimum of 15 are available at all times. **Equipment:** One 1942 U.S.A.-Chevrolet-Hale 500-g.p.m. triple combination pumping engine carrying one 300-gallon booster tank, 1,000 feet of 2½-inch hose, 1,000 feet of 1½-inch hose, 150 feet of booster hose, 2 short ladders, and fair minor equipment. **Macopin Volunteer Fire Company:** Located in Upper Macopin on Macopin Road near West Brook Road as shown on map. Building is a 2-story frame structure with composition covered wood roof, wood apparatus floor, electric lights, pipeless heater, and telephone on private line to chief's home. Siren is located on tower at rear of building. Total active membership 25 including a chief and 2 assistant chiefs, of whom a minimum of about 11 are available at all times. **Equipment:** One 1940 American La France 500-g.p.m. triple combination pumping engine carrying one 300-gallon booster tank, 1,200 feet of 2½-inch hose, 300 feet of 1½-inch hose, 300 feet of booster hose, 2 short ladders, and fair minor equipment. **West Milford Volunteer Fire Company No. 1:** Located in the West Milford section near Pinecliff Lake on Union Valley Road southwest of Vista Road near the entrance to Pinecliff Lake as shown on map. Building is a 2-story frame structure with a wood shingled roof, concrete apparatus floor, coal stove, electric lights, and siren. Total active membership 30 including a chief, 3 assistant chiefs, 2 captains, and 2 lieutenants, of whom a minimum of 10 members are available at all times. **Equipment:** One 1942 Chevrolet-F.M.C. high pressure pumping engine carrying one 400-gallon booster tank, 2 reels each carrying 200 feet

of high pressure booster hose with two F.M.C. fog nozzles, 2 short ladders, and some minor equipment. One 1938 Chevrolet chassis carrying one 500-g.p.m. O.C.D.-Chrysler-Hale skid type pumping unit, 500 feet of 2½-inch hose, 2 short ladders, and some minor equipment. **Greenwood Forest Volunteer Fire Department:** Located on the southwest side of Greenwood Lake on the Midvale-Greenwood Lake Road as shown on map. Building is a 1-story frame structure with composition covered wood roof, wood apparatus floor, electric lights, pipeless heater, hose rack, and siren on roof. Total active membership 40 including a chief, assistant chief, 2 captains and 2 lieutenants, of whom a minimum of 15 members are available at all times. **Equipment:** One 1936 Dodge-Approved 350-g.p.m. double combination pumping engine carrying 1,100 feet of 2½-inch hose, 200 feet of 1½-inch hose, 2 short ladders and fair minor equipment. One 1942 U.S.A.-Chevrolet-Barton 300-g.p.m. front end type triple combination pumping engine carrying one 300-gallon booster tank, 600 feet of 2½-inch hose, 100 feet of 1½-inch hose, 300 feet of booster hose, 2 short ladders, and fair minor equipment. **Upper Greenwood Lake Volunteer Fire Company No. 1:** Located on the west shore of Upper Greenwood Lake on the Warren Turnpike opposite Magnolia Road as shown on map. Building is a 1½-story frame structure with composition covered wood roof, wood apparatus floor, electric lights, pipeless furnace, telephone and siren and bell on roof. Total active membership 35 including a chief, assistant chief, 2 captains, 2 lieutenants and 2 engineers, of whom a minimum of 15 members are available at all times. **Equipment:** One 1937 Ward La France Diamond "T" 500-g.p.m. triple combination pumping engine carrying one 200-gallon booster tank, 1,300 feet of 2½-inch hose, 300 feet of 1½-inch hose, 100 feet of booster hose, 2 short ladders, and fair minor equipment. One O.C.D. 500-g.p.m. trailer unit is kept in reserve. One 1924 Mack 400-g.p.m. triple combination pumping engine carrying two 35-gallon chemical tanks, 900 feet of 2½-inch hose, 150 feet of chemical hose, 2 short ladders, and some minor equipment. This apparatus is housed during the summer months in a private garage on Dunham Road northeast of Lake Shore Road on

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the northeasterly side of the lake, but is transferred to the fire station during the winter months. **West Milford Volunteer Fire Company No. 2:** Located in the Newfoundland section on State Highway Route No. 23 (Paterson-Hamburg Turnpike) west of the Lake Swannanoa Road as shown on map. Building is a concrete and frame garage with metal covered wood roof, concrete apparatus floor, electric lights, and coal stove. A siren is located on a tower about one mile east of the fire station on Union Turnpike northeast of Route No. 23. This company serves nearby territory in West Milford and Jefferson Townships. Total active membership 30 including a chief, assistant chief, and foreman, of whom a minimum of about 10 members are available at all times. **Equipment:** One 1924 American La France 750-g.p.m. triple combination pumping engine carrying a 300-gallon booster tank, 1,500 feet of 2½-inch hose, 1,000 feet of 1½-inch hose, 150 feet of booster hose, 2 short ladders, and some minor equipment. **Hose:** All 2½-inch hose is C.R.L. with National Standard screw couplings. There is no reserve hose. About 50% of the total supply is more than 5 years old. Hose is tested in part at drills at normal pump operating pressures. No hose drying facilities are provided, except that a rack is installed in Greenwood Forest Fire Company. **Operations:** There is no township ordinance, but companies are governed by their respective by-laws. The various chiefs have control of apparatus at all times and of men at fires and drills. Motors are started at least weekly and in most instances all members drive and operate the equipment. **Drills and Training:** Individual company drills are held at least twice monthly in favorable weather under the direction of the respective chief officers. They consist of pump operation, and hose and ladder work. **Fire Methods:** Booster lines are used on incipient fires reinforced by engine streams where water supplies are available. Gas masks are provided in most companies and salvage covers are carried by the Macopin Company. Extensive use is made of booster lines and high pressure fog streams where equipment for same is provided. No heavy stream appliances or flood lighting equipment are installed. **Response to Alarms:** Companies respond to all alarms within designated terri-

tory and mutually assist each other on call. Outside aid may be secured from the surrounding volunteer departments in Jefferson Township, Rockaway Township, Kinnelon Borough, Bloomingdale Borough, and Ringwood Borough, and additional aid is available from the volunteer department in Warwick, New York. **Building Inspection:** Company chiefs make occasional inspections of schools and investigate complaints. **Records and Reports:** Records maintained by the company secretaries consist mainly of fire call tabulations and attendance. **Fire Alarms:** Fire alarms are telephoned through surrounding telephone central offices to homes or places of business of members and sounded on fire sirens at the various fire stations. Remote control switches are installed in some instances and a loud ringing telephone bell located outside the fire house is provided at the Upper Greenwood Lake Company. In addition there are 8 split locomotive tires scattered throughout the Upper Greenwood Lake Development with code numbers attached.

POLICE DEPARTMENT: Consists of a full-time chief, 1 captain, 1 sergeant, 1 patrolman, and 4 special officers. Assignments are such that three men are normally on duty. Two radio equipped patrol cars, operating in conjunction with Bergen County Police Radio, are in service.

BUILDING LAWS: A code adopted October 3, 1936 regulates the construction of chimneys within the township and the location of buildings with regard to property lines. It requires application for a permit and calls for plans and specifications of the chimney. Otherwise it covers no features of building construction and is of little importance from a fire protection standpoint. No fire limits are established and flammable roof coverings are permitted throughout the township.

FIRE PREVENTION LAWS: No municipal regulations. State laws adequately cover the storage and shipment of explosives, the transportation of flammables, and the construction of motion picture booths. They also restrict the discharge of fireworks to responsible bonded parties.

ZONING ORDINANCE: None.