Population 175000.

Prevailing Winds, N.W. in winter. S.E in summer

WATER FACILITIES. Water works owned and operated by the city. Gravity system. Two high and two low service districts. Water Supply from 16 lakes covering an area of 5260 acres. Three creeks and 29 artesian wells, all draining into Baldwin and Centerville Lakes from which the water is pumped into Pleasant Lake by one Deane - holyoke pump at Baldwin capacity 10 million galls and one Allis triple expansion pumping engine, capacity 15 million galls.

From Pleasant Lake (the headwaters of the supply system being 196 ft. above datum) water flows by gravity to Vadnais Lake 165 ft. above datum, area 358 acres (hence also by gravity through brick conduit, 5'2 x 6'1" which has a flowing capacity of 40 million galls. per 24 hours, to Weir chamber at McCarron Lake pumping station; said chamber being 176 ft. above datum; from here water is pumped by three Allis triple expansion pumping engines capacities 4, 6 and 10 million galls. at McCarron Lake pumping station into High Service reservoir on Dale St. 2½ miles West, capacity 15 million galls. elevation 310 ft. above datum. This reservoir supplies through 24" and 30" pipe. Main High Service Dist comprising all uphill territory North of St. Clair, Pleasant and E. Summit Aves, Olmstead St. and N.E. of Hoffman Av.

Main Low Service District comprises all low territory on both sides of river and is supplied by 30" main from Weir chamber. The West side (South of river) connects by two 16" mains.

Small Low Service District bounded by Jackson, Bradley, Eighth and Olmstead streets, is supplied by gravity from Lake Phalen through 16" main, its point of effluence being 1631 ft. above datum, can also be connected by Valve with main low system. West Side High Service District comprises the uphill territory south of river is supplied by wooden reservoir cor. of Annapolis and Manomin Sts, capacity 700000 gallons, its base being 350 ft. above datum, filled by one 9 Lake direct pump, capy one million gallons, and one Wetrous gasoline pump capacity one million gallons drawing from 16" low service main at corner of State and Page Sts. One Allis triple expansion pumping engine capacity 5 million gallons, at Vadnais Lake pumps from 9 artesian wells into brick conduit used principally for cooling lake water in summer time (four months at about 4 million gallons per day)

328 Miles of Water Pipes. 4" to 30" diam. 3043 Fire Hydrants, 228 of which are double steamer hydrants 2814 Triple hydrants (One steamer two hose connections). Pressure varies according to location, in the Low Service District 71 lbs at highest point to 70 lbs at lowest point. In the High Service District, 101 lbs at highest to 36 lbs at lowest point, per sq. inch. 0433.18 lbs pressure being figured to each ft of elevation. Averag daily consumption during 1909-11 16,746,388 gallons.

FIRE DEPARTMENT: One Chief, three assistants, 270 men organized in 20 Engine, 10 Hook & Ladder, 3 Chemical one with monitor nozzle, and 3 Supply hose companies, 165 horses, 24 Fire stations. Gamewell manual fire alarm telegraph 218 boxes.

Six extra 1st size and Fourteen 2nd Size Steam fire engines. Two 2nd Size Steam fire engines in reserve. 23 Hose wagons and 3 in reserve.

Three Aerial and 7 ordinary Hook & Ladder trucks, one Geyser water tower. 24 Supply wagons. 16 Hose & 6 Hook & Ladder sleighs. 56000 ft 2½ cotton & rubber hose in good condition, 10000 2½ cotton hose in reserve.

Salvage Corps maintained by Insurance companies. One Captain and 11 men. 5 Horses. 2 Wagons, 500 covers.

GRADES: ALL FIGURES GIVEN REFER TO CITY DATUM, WHICH IS LOW WATER MARK, MISSISSIPPI RIVER AT JACKSON ST. BEING 692.189000 FEET ABOVE SEA LEVEL.

PAVEMENTS: ASPHALT 29.08 MILES, BRICK 9.13 MILES, STONE 8.81 MILES, MACADAMIZED 49 MILES, GRADED 496.74 MILES, TOTAL 852 MILES, 19 MILES GRADED ALLEYS.

PUBLIC LIGHTS: ELECTRIC ARC. - INCANDESCENT GAS & GASOLENE LAMPS.

STREETS IMPROVED AS FOLLOWS:

FOR CORRECTED REPORT SEE VOLUME ONE

Since my last visit this Agency shows an increase in business don mainly in the preferred class and this is due to our paying 30% for th... have inspected all of ... Special Hazard reports on w... have been ... of the desirability of ...

ST. PAUL, Volume ... KEY MA...

KEY

- Brick building with brick or metal cornice
- " " " frame cornice
- " " " stone front
- " " " frame side
- Brick veneered building
- Brick and frame "
- Frame building
- " " iron clad
- Stone building
- Fire proof building
- Fire wall 6 inches above roof
- " " 12 "
- " " 18 "
- " " 24 "
- " " 36 "
- Figures 8, 12, 16, 20 indicate thickness of wall in inches
- Wall without openings, size in inches
- Wall with openings, figures indicate on which floor opening protected by single iron door
- " " " " double " doors
- " " " " STANDARD " VAULT "
- Windows protected by iron shutters
- Window opening in first story
- " " " second "
- Windows opening in second and third stories.
- " " " " fourth "
- Stable
- Steam boilers
- Single, D.H. Double, T.H. Triple } Hydrants
- Chimneys
- Water pipe with size in inches
- V.P. Vertical pipe or Stand pipe
- " " with fire escape
- Fire escape
- Engine and horse power in figures
- Fire alarm box
- Fire pump
- Block numbers
- Fire engine house (AS SHOWN ON KEY MAP)
- 24 Reference to adjoining sheet

Lake Phalen

Lake Como

Fire Limits

Mississippi River

Corrected

Volume 1 — ST. CLAIR — Including Part of Merriam Park, Mac Alester Park, St Thomas and Hill Seminaries.

Volume 2 — Including White Bear, Gladstone, North St. Paul, Newport and St Paul Park.

Volume 3 — Including Merriam Park, St Anthony Park, Hamline, Como Park, State Agr'l College and Fair Grounds, N.P. R.R. Shops - Brighton.

Volume 4

Volume 5 — Including South Park and South St. Paul

Insurance Maps of St. Paul, Minnesota - Volume 2
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