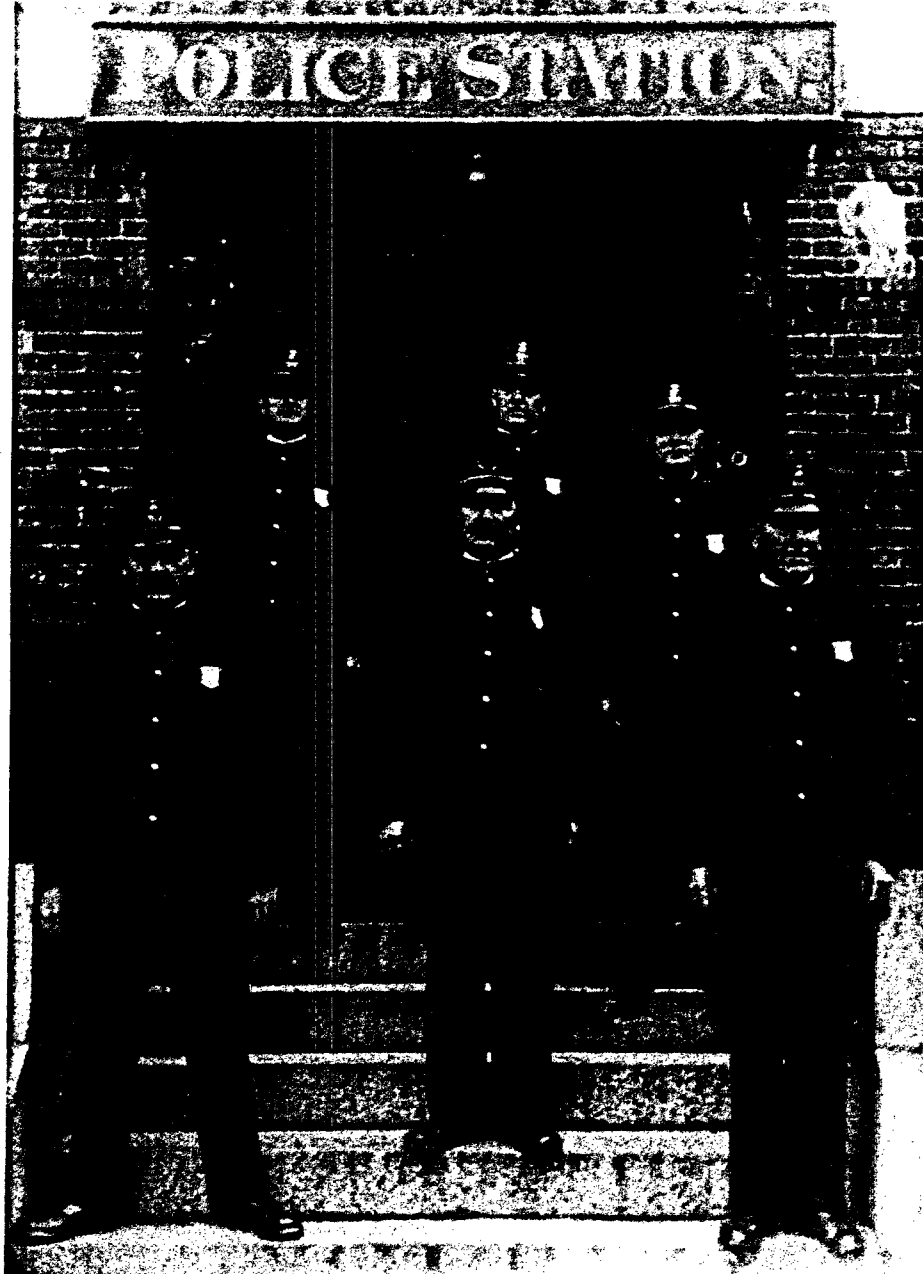
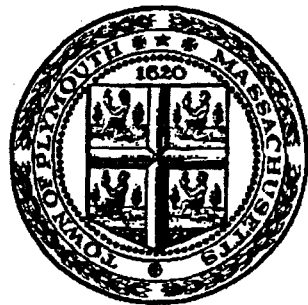


2003 ANNUAL REPORT

Town of Plymouth, Massachusetts



ANNUAL REPORT
OF THE
Town of Plymouth
Massachusetts



FOR THE YEAR ENDING
DECEMBER 31,

2003

Town Report edited by
Laurence R. Pizer, Town Clerk
Mark Sylvia, Assistant Town Manager

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TOWN OF PLYMOUTH, MASSACHUSETTS
Statement of Revenue
Year Ended June 30, 2003

Property Taxes			
Personal Property	12,371,096.62		
Real Estate	65,350,727.43		
Tax Liens	390,234.55		
Taxes In Litigation	6,345.86		
Deferred Real Estate	16,903.17		
Tax Foreclosures	15,546.70		
Chap 61 Roll Back	130,016.90		
Payments In Lieu Of Taxes	44,592.31		
	Total Property Taxes:		<u>78,325,463.54</u>
Excises			
Motor Vehicle	5,952,560.68		
Boat Excise	37,532.66		
	Total Excise:		<u>5,990,093.34</u>
Penalties & Interest			
Property Taxes	166,073.88		
Excises	224,284.23		
Tax Liens	68,831.62		
Special Assessments	0.00		
	Total Penalties & Interest:		<u>459,189.73</u>
Other Taxes			
Forest Products	88.61		
	Total Other Taxes:		<u>88.61</u>
Fees			
Town Manager	5,039.47		
Procurement	587.20		
Assessors	8,869.25		
Treasurer/Collector	228,112.43		
Town Clerk	112,383.00		
Conservation	6,227.30		
Community Planning	39,533.55		
Police	34,534.50		
Fire	2,460.00		
Inspectional Services	71,294.20		
Emergency Preparedness	444.85		
Harbormaster	73,100.00		
School	85.10		
Engineering	3,207.50		
Highway	0.00		
Parks & Forestry	0.00		
Health	63,891.60		
	Total Fees:		<u>649,769.95</u>

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► WATER DIVISION

The mission of the Water Division is to provide the highest quality drinking water and fire protection at the lowest possible cost to the ratepayers. The goal of the division is to be recognized by the townspeople as one of the best departments within the town government. The Division understands that this can be achieved only if we operate on the principle that doing good work is its own reward. The Water Division must always be looking for ways to improve the quality of the water and the efficiency of the operation.

Projects: Replacement of pump and motor at the Wannos Pond Well
Replacement of water main on Standish Avenue from Bourne Street to Cordage Terrace.
Upgraded water main on Camelot Drive from Long Pond Road to Raffaele Road from 8-inch to 12-inch.

Capital Projects that were begun or continued were the S.C.A.D.A. (Supervisory Control and Data Acquisition system) project, engineering design of Deep Water Booster Station and the new Savery Pond Well was completed. Work was begun on the total rehabilitation of the Deep Water BPS in January of 2004.

The total rainfall for the year 2003 was 65.92 inches as compared to 47.77 inches for calendar year 2002.

The total water pumped from all sources was 1,681,505,927 gallons or 4,606,866 gallons per day. This represents a decrease of 269,234,070 gallons from 2002 or a decrease of 737,627 gallons per day.

The North Plymouth Tank was cleaned and inspected in 2003. Since 1993 all tanks in the Plymouth Water system have been cleaned and inspected. The town operates on a five-year rotation with tank inspections.

CONSUMPTION OF WATER

Estimated Population Served:	43,000
Total Yearly Consumption:	1,681,505,927 gallons
Average Daily Consumption:	4,606,866 gals./day
Gallons Per Day Per Capita:	107 gals./person/day

CONSTRUCTION

New Installation of water mains:

Russell Mills Road extension – In-House
East Russell Mills Road extension – In-House
Standish Avenue – from Cordage Terrace to Bourne Street
Off Braley Lane
Sweet Amanda Way
Gray Oaks off Route 80

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Dundee Way
 Stuart Avenue extended
 Jordan Road extended

SUMMARY OF STATISTICS

POPULATION: 43,000 (estimated)
 SUMMER POPULATION: 75,000 (estimated)

DATE WATER DEPARTMENT ESTABLISHED: The town purchased the water system from private owners in 1855. The first water system was established in Plymouth during in 1797. During the renovation of the Town Hall the original charter of the Plymouth Water Company was found. It was signed by Governor Samuel Adams, 7 February 1797. It is available for inspection at the Plymouth Public Library.

SOURCE OF SUPPLY: South Ponds Well #1 & #2, Lout Pond Well (inactive), Wannos Pond Well, Ship Pond Well, Ellisville Well, Bradford Well, Federal Furnace Well, North Plymouth Well and Darby Pond Well and Savery Pond Well.

STORAGE TANKS: Harrington, Samoset, North Plymouth, Stafford, Lout Pond, Chiltonville, Pine Hills, South Pine Hills, Indian Hill and Cedarville.

PUMPING	GALLONS
SOUTH POND WELL #1	342,350,000
SOUTH POND WELL #2	315,070,300
LOUT POND WELL	0
FEDERAL FURNACE WELL	160,234,000
DARBY POND WELL	110,444,400
NORTH PLYMOUTH WELL	289,182,400
SHIP POND WELL	172,601,600
WANNO'S POND WELL	84,580,900
ELLISVILLE WELL	196,456,600
BRADFORD WELL	170,481,797
SAVERY POND WELL	109,338,000
TOTAL	1,950,739,997

BOOSTER STATION RE-PUMPING	
DEEP WATER STATION	18,421,900
PINE HILL BOOSTER STATION	23,600,000
CEDARVILLE BOOSTER STATION	51,003,000
NOOK ROAD BOOSTER STATION	1,000,000
TOTAL	84,024,900

**PLYMOUTH WATER DIVISION
P.W.S. #4239000**

1. Locked fences protect some of the sources and sites and all power failures are detected by telemetry. All pumping stations are monitored for loss of power or failure of surge control valve. All standpipes are monitored for high and low level situations.
2. Cedarville Booster Station and Rocky Hill Road Booster Station do not have stand-by power. The town has a trailer mounted; diesel powered emergency pump to service these areas in the event of equipment failure or prolonged power outages.
3. Bradford Well has a new booster station as a backup for that system. In the event of a power failure, Nook Road Booster will run to service the area.
4. Savery Well is new and services Cedarville and Manomet areas.

Source: Eleven wells as a source, nine with stand-by power for emergencies. Two do not have stand-by power.

Distribution: the system is divided into six pressure zones. Four zones have supply sources, the Rocky Hill Booster Station supplies the Pine Hills Zone with water from the Plymouth Center Zone and Ellisville/Cedarville is supplied by the Cedarville Booster Station with water from the Manomet Pressure Zone. The Bradford Zone is interconnected with the Plymouth Center Zone and the Pine Hill Pressure/Booster Zone is interconnected with the Manomet Pressure Zone through PRV devices. The West Plymouth Zone is interconnected with the Plymouth Center Zone at two locations with one not currently operational. The Plymouth Center Zone is interconnected with the Town of Kingston Water System on Route 3A with a 12-inch main.

Treatment: one source receives treatment beyond the above mentioned corrosion control. - The Bradford Well receives green sand filtration for iron/manganese removal and in the event of an emergency can be served with the Nook Road Booster Station with water from the Plymouth Center Zone.

Storage: the system has ten standpipes and is monitored for high and low level conditions. The loss of any one standpipe would not pose any particular problem with the exception of the Cedarville Standpipe and the Pine Hills Reservoir. If these tanks were lost for any reason their pressure zones would have to be supplied with direct pumping.

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