



Massachusetts Department of Environmental Protection
Source Water Assessment and Protection (SWAP) Report
for

Walpole Water Department

What is SWAP?

The Source Water Assessment Protection (SWAP) program, established under the federal Safe Drinking Water Act, requires every state to:

- inventory land uses within the recharge areas of all public water supply sources;
- assess the susceptibility of drinking water sources to contamination from these land uses; and
- publicize the results to provide support for improved protection.

Susceptibility and Water Quality

Susceptibility is a measure of a water supply's potential to become contaminated due to land uses and activities within its recharge area.

A source's susceptibility to contamination does *not* imply poor water quality.

Water suppliers protect drinking water by monitoring for more than 100 chemicals, disinfecting, filtering, or treating water supplies, and using source protection measures to ensure that safe water is delivered to the tap.

Actual water quality is best reflected by the results of regular water tests. To learn more about your water quality, refer to your water supplier's annual Consumer Confidence Reports.

Table 1: Public Water System Information

<i>PWS Name</i>	Walpole Water Department
<i>PWS Address</i>	Town Hall/135 School Street
<i>City/Town</i>	Walpole, Massachusetts 02081
<i>PWS ID Number</i>	3307000
<i>Local Contact</i>	Rick Mattson - Superintendent
<i>Phone Number</i>	(508) 660-7308

Introduction

We are all concerned about the quality of the water we drink. Drinking water wells may be threatened by many potential contaminant sources, including storm runoff, road salting, and improper disposal of hazardous materials. Citizens and local officials can work together to better protect these drinking water sources.

Purpose of this report:

This report is a planning tool to support local and state efforts to improve water supply protection. By identifying land uses within water supply protection areas that may be potential sources of contamination, the assessment helps focus protection efforts on appropriate best management practices (BMPs) and drinking water source protection measures.

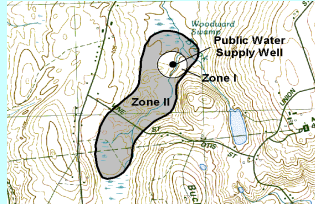
Refer to Table 3 for Recommendations to address potential sources of contamination. Department of Environmental Protection (DEP) staff are available to provide information about funding and other resources that may be available to your community.

This report includes the following sections:

1. Description of the Water System
2. Land Uses within Protection Areas
3. Source Water Protection Conclusions and Recommendations
4. Appendices

What is a Protection Area?

A well's water supply protection area is the land around the well where protection activities should be focused. Each well has a Zone I protective radius and a Zone II protection area.



Glossary

Aquifer: An underground water-bearing layer of permeable material that will yield water in a usable quantity to a well.

Hydrogeologic Barrier: An underground layer of impermeable material (i.e. clay) that resists penetration by water.

IWPA: A 400 foot to ½ mile radius around a public water supply well proportional to its pumping rate; the area DEP recommends for protection in the absence of a defined Zone II. To determine IWPA radius, refer to the attached map.

Recharge Area: The surface area that contributes water to a well.

Zone I: The area closest to a well; a 100 to 400 foot radius proportional to the well's pumping rate. This area should be owned or controlled by the water supplier and limited to water supply activities.

Zone II: The primary recharge area for the aquifer. This area is defined by hydrogeologic studies that must be approved by DEP. Refer to the attached map to determine the land within your Zone II.

Section 1: Description of the Water System

Zone II #: 107

Susceptibility: High

<i>Well Names</i>	<i>Source IDs</i>
Mine Brook Well #1	3307000-01G
Mine Brook Well #2	3307000-02G
Mine Brook Well #3	3307000-03G
Mine Brook Well #5	3307000-11G

Zone II #: 478

Susceptibility: High

<i>Well Names</i>	<i>Source IDs</i>
Washington Well #3	3307000-05G
Washington Well #2	3307000-06G
Washington Well #5	3307000-08G
Washington Well #6	3307000-09G
Washington Well #4	3307000-10G
Neponset Well #1	3307000-12G
Neponset Well #2	3307000-13G

The wells for the Walpole Water Department are located within two separate water supply protection areas, with portions extending into the towns of Foxborough, Medfield, and Sharon. Each well has a Zone I radius of 400 feet. The wells are located in aquifers with a high vulnerability to contamination due to the absence of hydrogeologic barriers (i.e. clay) that can prevent contaminant migration. Please refer to the attached map of the Zone II. The Town is in the process of reactivating Mine Brook Well #2, which has been inactive for several years. The Town is also in the process of replacing Washington Well #4 by two new wells, #4-A and #4-B.

For current information on monitoring results and treatment, please contact the Public Water System contact person listed above in Table 1 for a copy of the most recent Consumer Confidence Report. Drinking water monitoring reporting data is also available on the web at <http://www.epa.gov/safewater/ccr1.html>

Section 2: Land Uses in the Protection Areas

The Zone IIs for Walpole are a mixture primarily of residential and forested land uses, with a small portion consisting of industrial and agricultural (refer to attached map for details).

Land uses and activities that are potential sources of contamination are listed in Table 2, with further detail provided in the Table of Regulated Facilities and Table of Underground Storage Tanks in Appendix B.

Key Land Uses and Protection Issues include:

1. Activities in Zone I
2. Hazardous Materials Storage and Use
3. Residential Land Uses
4. Oil or Hazardous Material Contamination Sites
5. Comprehensive Wellhead Protection Planning

The overall ranking of susceptibility to contamination for the system is high, based on the presence of at least one high threat land use within the water supply protection areas, as seen in Table 2.

1. Activities in Zone Is – The Zone I for each of the wells is a 400 foot radius around the wellhead. Massachusetts drinking water regulations (310 CMR 22.00 Drinking Water) requires public water suppliers to own the Zone I, or control the Zone I through a conservation restriction. Only water supply activities are allowed in the Zone I. However, many public water supplies were developed prior to the Department's regulations and contain non-water supply activities such as homes and public roads. The following non-water supply activities occur in the Zone Is of Walpole's wells:

Mine Brook Well #1 and Well #5: There are high school athletic fields within the Zone I of these wells.

Mine Brook Well #2 and Well #3: There is an active rail line within the Zone I of these wells.

Washington Well #2: There is a local road and a utility transmission line in the Zone I of this well.

Washington Well #5: There is a home that is connected to municipal sewer, a local road, and a utility transmission line in the Zone I of this well.

Zone I Recommendations:

- ✓ Coordinate efforts with landowners to identify the location of septic systems, and if needed, determine the feasibility of relocating septic systems outside of the Zone I.
- ✓ To the extent possible, remove all non-water supply activities from the Zone I to comply with DEP's Zone I requirements.

- ✓ Use BMPs for the storage, use, and disposal of hazardous materials such as water supply chemicals and maintenance chemicals.
- ✓ Do not use or store pesticides, fertilizers or road salt within the Zone I.
- ✓ Keep any new non-water supply activities out of the Zone I.

- ✓ Agreement Options - Attempt to obtain a *Memorandum of Understanding*.

Memorandum of Understanding (MOU) is an agreement between the landowner and public water supplier in which the landowner agrees not to engage in specific threatening activities. The MOU should be specific to the land use or activity. For instance, if the land is residential with a septic system the owner could agree not to place chemicals, petroleum products, or

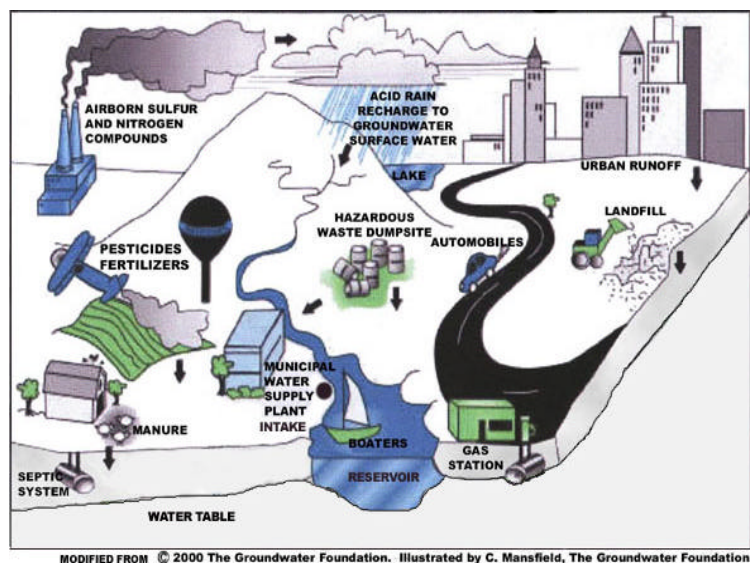


Figure 1: Sample watershed with examples of potential sources of contami-

other hazardous or toxic substances, including septic system cleaners into the septic system, and that the system will be pumped at a specific frequency. The application of lawn care chemicals could also be restricted. Understanding how activity threatens drinking water quality is an important component of developing an effective MOU.

- ✓ Work with the local Conservation Commission to make sure the wetland/stream resource areas are properly delineated in the field prior to the application of pesticides and that the supplier reviews the Yearly Operating Plan (YOP) from the railroad and utility companies. These plans are approved directly by the Department of Food and Agriculture, with copies being sent to the local Conservation Commission.

2. Hazardous Materials Storage and Use – Many small businesses and industries use hazardous materials, produce hazardous waste products, and/or store large quantities of hazardous materials in Underground Storage Tanks

(USTs) and Aboveground Storage Tanks (ASTs). If hazardous materials are improperly stored, used, or disposed, they become potential sources of contamination. Hazardous materials should never be disposed of to a septic system or floor drain leading directly to the ground.

Hazardous Materials Storage and Use Recommendations:

- ✓ Educate local businesses on best management practices for protecting water supplies. Distribute the fact sheet “Businesses Protect Drinking Water” available in Appendix A and on www.mass.gov/dep/brp/dws/protect.htm, which provides BMP’s for common business issues.
- ✓ Work with local businesses to register those facilities that are unregistered generators of hazardous waste or waste oil. Partnerships between businesses, water suppliers, and communities enhance successful public drinking water protection practices.
- ✓ Educate local businesses on Massachusetts floor drain requirements. See brochure “Industrial Floor Drains” for more information.

3. Residential Land Uses – Approximately 21% of the combined Zone IIs consist of residential areas, some of which are still served by private septic systems. If managed improperly, activities associated with residential areas can contribute to drinking water contamination. Common potential sources of contamination include:

- **Septic Systems** – Improper disposal of household hazardous chemicals to septic systems is a potential source of contamination to the groundwater because septic systems lead to the ground. If septic systems fail or are not properly maintained they can be a potential source of microbial contamination.
- **Household Hazardous Materials** - Hazardous materials may include automotive wastes, paints, solvents, pesticides, fertilizers, and other substances. Improper use, storage, and disposal of chemical products used in homes are potential sources of contamination.
- **Heating Oil Storage** - If managed improperly, Underground and Aboveground Storage Tanks (USTs and ASTs) can be potential sources of contamination due to leaks or spills of the fuel oil they store.
- **Stormwater** – Catch basins transport stormwater from roadways and adjacent properties to the ground. As flowing stormwater travels, it picks up debris and contaminants from streets and lawns. Common potential contaminants include lawn chemicals, pet waste, and contaminants from automotive leaks, maintenance, washing, or accidents.

Residential Land Use Recommendations:

- ✓ Educate residents on best management practices (BMPs) for protecting water supplies. Distribute the fact sheet “Residents Protect Drinking Water” available in Appendix A and on www.mass.gov/dep/brp/dws/protect.htm, which provides BMPs for common residential issues.
- ✓ Work with planners to control new residential developments in the water supply protection areas.

What are “BMPs?”

Best Management Practices (BMPs) are measures that are used to protect and improve surface water and groundwater quality. BMPs can be structural, such as oil & grease trap catch basins, nonstructural, such as hazardous waste collection days or managerial, such as employee training on proper disposal procedures.

Top 5 Reasons to Develop a Local Wellhead Protection Plan

- ❶ Reduces Risk to Human Health
- ❷ Cost Effective! Reduces or Eliminates Costs Associated With:
 - ♦ Increased groundwater monitoring and treatment
 - ♦ Water supply clean up and remediation
 - ♦ Replacing a water supply
 - ♦ Purchasing water
- ❸ Supports municipal bylaws, making them less likely to be challenged
- ❹ Ensures clean drinking water supplies for future generations
- ❺ Enhances real estate values – clean drinking water is a local amenity. A community known for its great drinking water in a place people want to live and businesses want to locate.

Potential Source of Contamination vs. Actual Contamination

The activities listed in Table 2 are those that typically use, produce, or store contaminants of concern, which, if managed improperly, are potential sources of contamination (PSC).

It is important to understand that a release may never occur from the potential source of contamination provided facilities are using best management practices (BMPs). If BMPs are in place, the actual risk may be lower than the threat ranking identified in Table 2. Many potential sources of contamination are regulated at the federal, state and/or local levels, to further reduce the risk.

Table 2: Land Use in the Protection Areas (Zones I and II)

For more information, refer to Appendix B: Regulated Facilities within the Water Supply Protection Area

Activities	Quantity	Threat*	Zone II #/ Source ID#	Potential Source of Contamination
Agricultural				
Pesticide Storage or Use	1	H	107	Leaks, spills, improper handling, or over-application of pesticides
Commercial				
Gas Stations	3	H	478	Spills, leaks, or improper handling or storage of automotive fluids and fuels
Railroad Tracks and Yards	2	H	107, 478	Over-application or improper handling of herbicides, leaks or spills of transported chemicals and maintenance chemicals; fuel storage
Sand and Gravel Mining/Washing	1	M	107	Spills or leaks from heavy equipment, fuel storage, clandestine dumping
Industrial				
Electronics/Electrical Manufacturers	1	H	478	Spills, leaks, or improper handling or storage of chemicals and process wastes
Industry/Industrial Parks	11	H	478	Spills, leaks, or improper handling or storage of industrial chemicals and metals
Residential				
Fuel Oil Storage (at residences)	numerous	M	107, 478	Spills, leaks, or improper handling of fuel oil
Lawn Care/Gardening	numerous	M	107, 478	Over-application or improper storage and disposal of pesticides
Septic Systems/Cesspools	numerous	M	107, 478	Microbial contaminants, and improper disposal of hazardous chemicals
Miscellaneous				
Large Quantity Hazardous Waste Generators	2	H	478	Spills, leaks, or improper handling or storage of hazardous materials and waste
NPDES Locations	1	L	107	Improper disposal of hazardous material and wastes

Activities	Quantity	Threat*	Zone II #/ Source ID#	Potential Source of Contamination
Miscellaneous				
Oil or Hazardous Material Sites	4	--	478	Classified Oil or Hazardous Materials Sites are not ranked due to their site-specific character. Individual sites are identified in Appendix B.
Road and Maintenance Depots	1	M	478	Spills, leaks, or improper handling or storage of deicing materials, automotive fluids, fuel storage, and other chemicals
Schools, Colleges, and Universities	2	M	107, 478	Spills, leaks, or improper handling or storage of fuel oil, laboratory, art, photographic, machine shop, and other chemicals
Small Quantity Hazardous Waste Generators	5	M	478	Spills, leaks, or improper handling or storage of hazardous materials and waste
Stormwater Drains/ Retention Basins	Numerous	L	107, 478	Debris, pet waste, and chemicals in stormwater from roads, parking lots, and lawns
Transmission Line Rights-of-Way Type: <u>electric & gas</u>	3	L	107, 478	Construction and corridor maintenance, over-application or improper handling of herbicides
Transportation Corridors	2	M	478	Accidental leaks or spills of fuels and other hazardous materials, over-application or improper handling of pesticides
Underground Storage Tanks	10	H	478	Spills, leaks, or improper handling of stored materials
Very Small Quantity Hazardous Waste Generators	11	L	107, 478	Spills, leaks, or improper handling or storage of hazardous materials and waste
Notes: <ol style="list-style-type: none"> 1. When specific potential contaminants are not known, typical potential contaminants or activities for that type of land use are listed. Facilities within the watershed may not contain all of these potential contaminant sources, may contain other potential contaminant sources, or may use Best Management Practices to prevent contaminants from reaching drinking water supplies. 2. For more information on regulated facilities, refer to Appendix B: Regulated Facilities within the Water Supply Protection Area information about these potential sources of contamination. 3. For information about Oil or Hazardous Materials Sites in your protection areas, refer to Appendix C: Tier Classified Oil and/or Hazardous Material Sites. <p>? THREAT RANKING - The rankings (high, moderate or low) represent the relative threat of each land use compared to other PSCs. The ranking of a particular PSC is based on a number of factors, including: the type and quantity of chemicals typically used or generated by the PSC; the characteristics of the contaminants (such as toxicity, environmental fate and transport); and the behavior and mobility of the pollutants in soils and groundwater.</p>				

(Continued from page 4)

- ✓ Promote BMPs for stormwater management and pollution controls.
- ✓ Review railroad right-of-way Yearly Operating Plans to ensure that water supplies are protected during vegetation control.

4. Presence of Oil or Hazardous Material Contamination Sites – The Zone II for the Washington and Neponset Wells contains DEP Tier Classified Oil and/or Hazardous Material Release Sites indicated on the map as Release Tracking Numbers 3-0004812, 3-0018926, 4-0000261, and 4-0001164. Refer to the attached map and Appendix 3 for more information.

Oil or Hazardous Material Contamination Sites Recommendation:

- ✓ Monitor progress on any ongoing remedial action conducted for the known oil or contamination sites.

5. Protection Planning – Walpole has water supply protection controls that meet DEP’s Wellhead Protection regulations 310 CMR 22.21(2). These controls were adopted in June 2001. Protection planning protects drinking water by managing the land area that supplies water to a well. A Wellhead Protection Plan coordinates community efforts, identifies protection strategies, establishes a timeframe for implementation, and provides a forum for public participation. There are resources available to help communities develop a plan for protecting drinking water supply wells.

Protection Planning Recommendations:

- ✓ Develop a Wellhead Protection Plan. Establish a protection team, and refer them to <http://mass.gov/dep/brp/dws/protect.htm> for a copy of DEP’s guidance, “Developing a Local Wellhead Protection Plan”.
- ✓ Coordinate efforts with local officials to compare local wellhead protection controls with current MA Wellhead Protection Regulations 310 CMR 22.21(2). Occasionally update local controls to meet changes in current regulations. For more information on DEP land use controls see <http://mass.gov/dep/brp/dws/protect.htm>.

Other land uses and activities within the Zone II that are potential sources of contamination are included in Table 2. Refer to Appendix B for more information about these land uses. Identifying potential sources of contamination is an important initial step in protecting your drinking water sources. Further local investigation will provide more in-depth information and may identify new land uses and activities that are potential sources of contamination. Once potential sources of contamination are identified, specific recommendations like those below should be used to better protect your water supply.

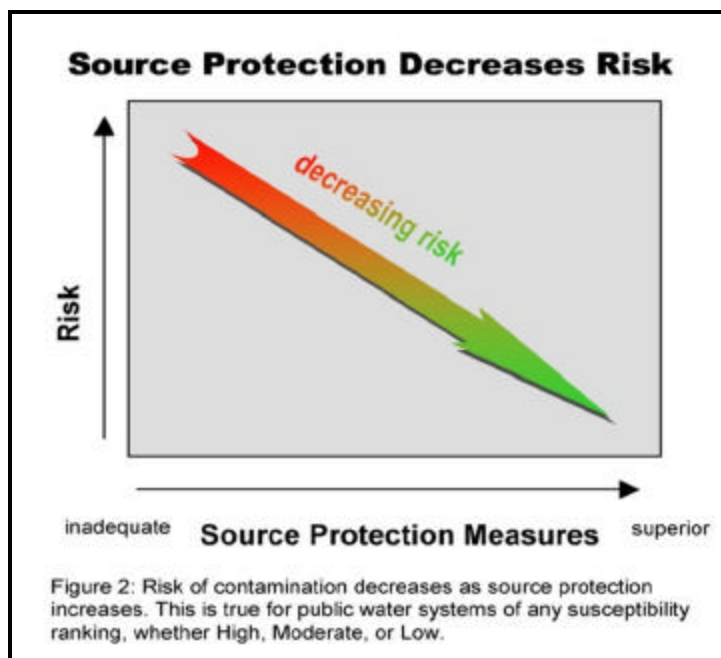


Table 3: Current Protection and Recommendations

Protection Measures	Status	Recommendations
Zone I		
Does the Public Water Supplier (PWS) own or control the entire Zone I?	YES (Washington Well #3 and #4; Neponset Well # 1 and #2)	Follow Best Management Practices (BMPs) that focus on good housekeeping, spill prevention, and operational practices to reduce the use and release of hazardous materials.
	NO (Mine Brook Well #1, #2, #3, and #5; Washington Well #2, #5, and #6)	To the extent possible, remove non-water supply activities from each Zone I to comply with DEP's Zone I requirements. Investigate options for gaining ownership or control of the Zone I for groundwater sources.
Is the Zone I posted with "Public Drinking Water Supply" Signs?	NO	Post all wells with "Public Drinking Water Supply" or "No Trespassing" signs .Additional economical signs are available from the Northeast Rural Water Association (802) 660-4988.
Is Zone I regularly inspected?	YES	Continue daily inspections of drinking water protection areas. Pay special attention to fenced areas, lighting, and signs of forced entry into well houses and pump stations.
Are water supply -related activities the only activities within the Zone I?	YES (Washington Well #3 and #4; Neponset Well # 1 and #2)	Continue monitoring for non-water supply activities in Zone Is.
	NO (Mine Brook Well #1, #2, #3, and #5; Washington Well #2, #5, and #6)	Monitor non-water supply activities in Zone I, and investigate options for removing these activities.
Municipal Controls (Zoning Bylaws, Health Regulations, and General Bylaws)		
Does the municipality have Wellhead Protection Controls that meet 310 CMR 22.21(2)?	YES	The Town's bylaw meets DEP's requirements for wellhead protection. Refer to www.state.ma.us/dep/brp/dws/ for model bylaws and health regulations, and current regulations.
Do neighboring communities protect the Zone II areas extending into their communities?	SOME	Sharon has adopted land use controls that include Walpole's source protection areas. Work with Foxborough and Medfield to include Walpole's Zone IIs in their wellhead protection controls.
Planning		
Does the PWS have a Wellhead Protection Plan?	NO	Develop a wellhead protection plan. Follow "Developing a Local Wellhead Protection Plan" available at: www.state.ma.us/dep/brp/dws/ .
Does the PWS have a formal "Emergency Response Plan" to deal with spills or other emergencies?	YES	Supplement plan by developing a joint emergency response plan with fire department, Board of Health, DPW, and local and state emergency officials. Coordinate emergency response drills with local teams.
Does the municipality have a wellhead protection committee?	NO	Establish a committee with representatives from citizens' groups, neighboring communities, and the business community.
Does the Board of Health conduct inspections of commercial and industrial activities?	YES	Continue with Walpole's inspections, and enforcement of local bylaw. For more guidance see "Hazardous Materials Management: A Community's Guide" at www.state.ma.us/dep/brp/dws/files/hazmat.doc
Does the PWS provide wellhead protection education?	SOME	Currently, the only outreach is through the annual Consumer Confidence Report. Increase residential outreach through bill stuffers, school programs, Drinking Water Week activities, and coordination with local groups. Aim additional efforts at commercial, industrial and municipal uses within the Zone II.

Section 3: Source Water Protection Conclusions and Recommendations

Current Land Uses and Source Protection:

As with many water supply protection areas, the system Zone IIs contain potential sources of contamination. However, source protection measures reduce the risk of actual contamination, as illustrated in Figure 2. Walpole is commended for taking an active role in promoting source protection measures in the Water Supply Protection Areas through:

- Adopting a local bylaw for the control and management of hazardous materials. This bylaw is implemented through the Board of Health, with additional inspection support from the Fire Department. The BOH requires an annual report of hazardous material storage.
- Adopting a local bylaw that meets DEP's prohibited land uses within a Zone II.
- Department of Public Works involvement in a self-audit program for storage and handling of hazardous material.
- Working with the Town of Sharon on construction projects that are proposed in the section of the Zone II that extends into Sharon.

Source Protection Recommendations:

To better protect the sources for the future:

- ✓ Inspect the Zone I regularly, and when feasible, remove any non-water supply activities.
- ✓ Educate residents on ways they can help you to protect drinking water sources.
- ✓ Work with emergency response teams to ensure that they are aware of the stormwater drainage in your Zone II and to cooperate on responding to spills or accidents.
- ✓ Partner with local businesses to ensure the proper storage, handling, and disposal of hazardous materials.
- ✓ Monitor progress on any ongoing remedial action conducted for the known oil or contamination sites.
- ✓ Work with farmers in your protection areas to make them aware of your water supply and to encourage the use of a NRCS farm plan to protect water supplies.
- ✓ Develop and implement a Wellhead Protection Plan.

Conclusions:

These recommendations are only part of your ongoing local drinking water source protection. Additional source protection recommendations are listed in Table 3, the Key Issues above, and Appendix A.

DEP staff, informational documents, and resources are available to help you build on this SWAP report as you continue to improve drinking water protection in your community. Grants and loans are available through the Drinking Water State Revolving Loan Fund, the Clean Water State Revolving Fund, and other sources. For more information on grants and loans, visit the Bureau of Resource Protection's Municipal Services web site at: <http://mass.gov/dep/brp/mf/mfpubs.htm>.

The assessment and protection recommendations in this SWAP report are provided as a tool to encourage community discussion, support ongoing source protection efforts, and help set local drinking water protection priorities. Citizens and community officials should use this SWAP report to spur discussion of local drinking water protection measures. The water supplier should supplement this SWAP report with local information on potential sources of contamination and land uses. Local information should be maintained and updated periodically to

What is a Zone III?

A Zone III (the secondary recharge area) is the land beyond the Zone II from which surface and ground water drain to the Zone II and is often coincident with a watershed boundary.

The Zone III is defined as a secondary recharge area for one or both of the following reasons:

1. The low permeability of underground water bearing materials in this area significantly reduces the rate of groundwater and potential contaminant flow into the Zone II.
2. The groundwater in this area discharges to a surface water feature such as a river, rather than discharging directly into the aquifer.

The land uses within the Zone III are assessed only for sources that are shown to be groundwater under the direct influence of surface water.

Benefits of Source Protection

Source Protection helps protect public health and is also good for fiscal fitness:

- Protects drinking water quality at the source
- Reduces monitoring costs through the DEP Waiver Program
- Treatment can be reduced or avoided entirely, saving treatment costs
- Prevents costly contamination clean-up
- Preventing contamination saves costs on water purchases, and expensive new source development

Contact your regional DEP office for more information on Source Protection and the Waiver Program.

reflect land use changes in the Zone II. Use this information to set priorities, target inspections, focus education efforts, and to develop a long-term drinking water source protection plan.

Section 4: Appendices

- A. Protection Recommendations
- B. Regulated Facilities within the Water Supply Protection Area
- C. Table of Tier Classified Oil and/or Hazardous Material Sites within the Water Supply Protection Areas
- D. Additional Documents on Source Protection

Additional Documents:

To help with source protection efforts, more information is available by request or online at mass.gov/dep/brp/dws including:

- 1. Water Supply Protection Guidance Materials such as model regulations, Best Management Practice information, and general water supply protection information.
- 2. MA DEP SWAP Strategy
- 3. Land Use Pollution Potential Matrix
- 4. Draft Land/Associated Contaminants Matrix

For More Information

Contact Anita Wolovick in DEP's Wilmington Office at (978) 661-7768 for more information and assistance on improving current protection measures.

Copies of this report have been provided to the public water supplier, board of health, and the town.

APPENDIX A: DEP PERMITTED FACILITIES WITHIN WALPOLE WATER SUPPLY PROTECTION AREAS

DEP FACILITY NUMBER	FACILITY NAME	STREET ADDRESS	TOWN	PERMITTED ACTIVITY	ACTIVITY CLASS
28469	COOKS TOWING	2222 PROVINENCE HIGHWAY	WALPOLE	HANDLER	VERY SMALL QUANTITY GENERATOR
136183	CUMBERLAND FARMS #2008	1185 WASHINGTON STREET	WALPOLE	FUEL DISPENSER	FUEL DISPENSER
134306	LORUSSO S M & SONS INC	440 WEST STREET	WALPOLE	HANDLER	VERY SMALL QUANTITY GENERATOR
332167	MICREX CORPORATION	17 INDUSTRIAL ROAD	WALPOLE	HANDLER	VERY SMALL QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
31796	MINUTEMAN TRUCKS INC	2181 PROVIDENCE HIGHWAY	WALPOLE	DISCHARGE	INDUSTRIAL SEWER WASTE WATER
31796	MINUTEMAN TRUCKS INC	2181 PROVIDENCE HIGHWAY	WALPOLE	HANDLER	LARGE QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
31796	MINUTEMAN TRUCKS INC	2181 PROVIDENCE HIGHWAY	WALPOLE	HANDLER	SMALL QUANTITY GENERATOR
367870	MOBIL 12804	980 PROVIDENCE HIGHWAY	WALPOLE	FUEL DISPENSER	FUEL DISPENSER
193837	PHARMACIA DELTEC INC	1600 PROVIDENCE HIGHWAY RTE 1	WALPOLE	HANDLER	VERY SMALL QUANTITY GENERATOR
335505	PROCESS ANALYZERS LLC	25 WALPOLE PARK SOUTH DRIVE	WALPOLE	HANDLER	VERY SMALL QUANTITY GENERATOR
125213	ROSENFELD CONCRETE COMPANY	331 WEST STREET	WALPOLE	PLANT	AQ NATURAL MINOR W/ PTE < OR = 25% OF MAJ
303462	SCHINDLER ELEVATOR CORPORATION	4 WALPOLE PARK - SOUTH DRIVE	WALPOLE	HANDLER	SMALL QUANTITY GENERATOR
360865	SM LORUSSO & SONS INC	331 WEST STREET	WALPOLE	FUEL DISPENSER	FUEL DISPENSER

DEP FACILITY NUMBER	FACILITY NAME	STREET ADDRESS	TOWN	PERMITTED ACTIVITY	ACTIVITY CLASS
327805	STADIUM MOBIL	2285 PROVIDENCE HIGHWAY	WALPOLE	FUEL DISPENSER	FUEL DISPENSER
367833	TOPCOAT DIVISION OF GAF MATERIALS CORP	24 INDUSTRIAL ROAD	WALPOLE	HANDLER	SMALL QUANTITY GENERATOR
367833	TOPCOAT DIVISION OF GAF MATERIALS CORP	24 INDUSTRIAL ROAD	WALPOLE	HANDLER	VERY SMALL QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
32462	TRM CORPORATION	24 WALPOLE PARK SOUTH UNIT 8	WALPOLE	HANDLER	VERY SMALL QUANTITY GENERATOR
27587	WEST SAND & GRAVEL	331 WEST STREET	WALPOLE	HANDLER	VERY SMALL QUANTITY GENERATOR
30886	WALPOLE TOWN OF D P W	1385 WASHINGTON STREET	WALPOLE	HANDLER	RECYCLER - BURNER/BLENDER
26766	NEW ENGLAND TAP CO	FOX HILL PARK	FOXBOROUGH	HANDLER	VERY SMALL QUANTITY GENERATOR
741	STADIUM ASSOC LTD PRTNRSHIP	U.S. ROUTE 1	FOXBOROUGH	GROUND WATER DISCHARGE	GROUND WATER DISCHARGEWATER MINOR
34251	VERIZON NEW ENGLAND INC	23 PERRY DRIVE	FOXBOROUGH	HANDLER	VERY SMALL QUANTITY GENERATOR
34251	VERIZON NEW ENGLAND INC	23 PERRY DRIVE	FOXBOROUGH	APPROVED	INDUSTRIAL WASTE WATER HOLDING TANK
132202	BRODIE INC	1180 GENERAL EDWARDS HIGHWAY	SHARON	HANDLER	VERY SMALL QUANTITY GENERATOR
132202	BRODIE INC	1180 GENERAL EDWARDS HIGHWAY	SHARON	HANDLER	SMALL QUANTITY GENERATOR
177503	DYNISCO	4 COMMERCIAL STREET	SHARON	DISCHARGE	BELOW IWW REGULATED THRESHOLDS

DEP FACILITY NUMBER	FACILITY NAME	STREET ADDRESS	TOWN	PERMITTED ACTIVITY	ACTIVITY CLASS
177503	DYNISCO, INC.	4 COMMERCIAL STREET	SHARON	TURA REPORTER	BELOW TUR REGULATED THRESHOLDS
193125	MINUTEMAN FORD TRUCK SALES	ROUTE 1	SHARON	HANDLER	SMALL QUANTITY GENERATOR
131187	SENIOR FLEXONICS INC METAL BELLOWS DIV	1075 PROVIDENCE HIGHWAY	SHARON	HANDLER	LARGE QUANTITY GENERATOR

UNDERGROUND STORAGE TANKS WITHIN WALPOLE WATER SUPPLY PROTECTION AREAS

FACILITY NAME	ADDRESS	TOWN	DESCRIPTION	CAPACITY (GAL)	CONTENTS
CUMBERLAND FARMS #12738	1185 WASHINGTON STREET	WALPOLE	GAS STATION	12000	GASOLINE
CUMBERLAND FARMS #12738	1185 WASHINGTON STREET	WALPOLE	GAS STATION	6000	GASOLINE
MOBIL	980 PROVIDENCE HIGHWAY	WALPOLE	GAS STATION	10000	GASOLINE
MOBIL	980 PROVIDENCE HIGHWAY	WALPOLE	GAS STATION	10000	GASOLINE
MOBIL	980 PROVIDENCE HIGHWAY	WALPOLE	GAS STATION	10000	GASOLINE
MOBIL	980 PROVIDENCE HIGHWAY	WALPOLE	GAS STATION	10000	GASOLINE
STADIUM MOBIL	2285 PROVIDENCE HIGHWAY	WALPOLE	GAS STATION	8000	GASOLINE
STADIUM MOBIL	2285 PROVIDENCE HIGHWAY	WALPOLE	GAS STATION	6000	GASOLINE
STADIUM MOBIL	2285 PROVIDENCE HIGHWAY	WALPOLE	GAS STATION	6000	GASOLINE
WALPOLE HIGH SCHOOL	275 COMMON STREET	WALPOLE	MUNICIPAL	10000	FUEL OIL

For More Information On Underground Storage Tanks, Visit The Massachusetts Department Of Fire Services Web Site: <http://www.state.ma.us/dfs/ust/usthome.htm>
Note: This Appendix Includes Only Those Facilities Within The Water Supply Protection Area(s) That Meet State Reporting Requirements And Report To The Appropriate Agencies. Additional Facilities Located Within The Water Supply Protection Area(s) Should Be Considered In Local Drinking Water Source Protection Planning.

APPENDIX B – Table of Tier Classified Oil and/or Hazardous Material Sites within Walpole Water Supply Protection Areas

DEP's datalayer depicting oil and/or hazardous material (OHM) sites is a statewide point data set that contains the approximate location of known sources of contamination that have been both reported and classified under Chapter 21E of the Massachusetts General Laws. Location types presented in the layer include the approximate center of the site, the center of the building on the property where the release occurred, the source of contamination, or the location of an on-site monitoring well. Although this assessment identifies OHM sites near the source of your drinking water, the risks to the source posed by each site may be different. The kind of contaminant and the local geology may have an effect on whether the site poses an actual or potential threat to the source.

The DEP's Chapter 21E program relies on licensed site professionals (LSPs) to oversee cleanups at most sites, while the DEP's Bureau of Waste Site Cleanup (BWSC) program retains oversight at the most serious sites. This privatized program obliges potentially responsible parties and LSPs to comply with DEP regulations (the Massachusetts Contingency Plan – MCP), which require that sites within drinking water source protection areas be cleaned up to drinking water standards.

For more information about the state's OHM site cleanup process to which these sites are subject and how this complements the drinking water protection program, please visit the BWSC web page at <http://www.state.ma.us/dep/bwsc>. You may obtain site -specific information two ways: by using the BWSC Searchable Sites database at <http://www.state.ma.us/dep/bwsc/sitellst.htm>, or you may visit the DEP regional office and review the site file. These files contain more detailed information, including cleanup status, site history, contamination levels, maps, correspondence and investigation reports, however you must call the regional office in order to schedule an appointment to view the file.

The table below contains the list of Tier Classified oil and/or Hazardous Material Release Sites that are located within your drinking water source protection area.

Table 1: Bureau of Waste Site Cleanup Tier Classified Oil and/or Hazardous Material Release Sites (Chapter 21E Sites) - Listed by Release Tracking Number (RTN).

RTN	Release Site Address	Town	Contaminant Type
3-0004812	1185 Washington Street	Walpole	Oil
3-0018926	1611 Washington Street	Walpole	Oil
4-0000261	1075 Providence Highway	Sharon	Oil
4-0001164	23 Perry Drive	Foxborough	Oil

For more location information, please see the attached map. The map lists the release sites by Release Tracking Number (RTN).