



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

What is SWAP?

The Source Water Assessment Program (SWAP), 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>	Weymouth Water Division
<i>PWS Address</i>	120 Winter Street
<i>City/Town</i>	Weymouth, Massachusetts
<i>PWS ID Number</i>	3336000
<i>Local Contact</i>	Bradley Hayes
<i>Phone Number</i>	(781) 337-5100
<i>Web Address</i>	www.weymouth.ma.us

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
4. Appendices

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.

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.

Zone A: is the most critical for protection efforts. It is the area 400 feet from the edge of the reservoir and 200 feet from the edge of the tributaries (rivers and/or streams) draining into it.

Zone B: is the area one-half mile from the edge of the reservoir but does not go beyond the outer edge of the watershed.

Zone C: is the remaining area in the watershed not designated as Zones A or B.

The attached map shows Zone A and your watershed boundary.

Section 1: Description of the Water System

Groundwater Sources

Zone II #: 321

Source Name	Source ID#	Susceptibility
Circuit Ave. Well	3336000-01G	High
Main St. Well	3336000-02G	High
Libbey Park Well	3336000-03G	High
Winter St. Well #1	3206000-04G	High
Winter St. Well #2	3206000-05G	High

Surface Water Sources

Source Name	Source ID#	Susceptibility
Great Pond	3336000-01S	Moderate
Old Swamp River/South Cove	3336000-02S	High

The wells for the Weymouth Water Division are located within a single water supply protection area all within the Town of Weymouth. Each well has a Zone I radius of 400 feet. The wells are located in an aquifer with a high vulnerability to contamination due to the absence of hydrogeologic barrier (i.e. confining clay layer) that can prevent contaminant migration. Please refer to the attached map of the Zone II.

The reservoirs for the Weymouth Water Division are located within two separate water supply protection areas, with a portion of the Great Pond water supply protection area extending into the towns of Abington, Braintree, and Holbrook, and a portion of the Old Swamp River/South Cove water supply protection area extending into the towns of Abington, Braintree, Hingham, and Rockland.

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 II and Zone Cs for Weymouth are primarily a mixture of forest, and residential, with a small portion consisting of commercial and industrial land uses (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. Activities in Zone A
3. Hazardous Materials Storage and Use
4. Transportation Corridor
5. Department of Public Works facility
6. Residential Land Uses
7. Federal Superfund Site and Oil or Hazardous Material Contamination Sites
8. Comprehensive Wellhead Protection Planning

The ranking of susceptibility to contamination for the Zone II of the Circuit Avenue Well, Main Street Well, Libbey Park Well, Winter Street Well #1, and Winter St. Well #2 is high, based on the presence of at least one high threat land use within the water supply protection area, as seen in Table 2; the ranking of susceptibility to contamination for the Great Pond Zone Cs is moderate, based on the presence of at least one moderate threat land use within the water supply protection areas, as seen in Table 2; and, the ranking of susceptibility to contamination for Old Swamp River/South Cove is high, based on high threat land uses within the water supply protection area.

1. Activities in Zone I – 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 the system wells:

Circuit Avenue Well - There are six homes, with all being on municipal sewer, and local roads in the Zone I.

Winter Street Well #1 - There is a portion of a house lot in the Zone I.

Winter Street Well #2 - There is a small portion of the DPW parking lot, a section of a commercial building with a known oil or hazardous material contamination site, and a portion of Winter Street in the Zone I.

Main Street Well - Route 3 (including an exit cloverleaf), and Route 18 intersect a significant portion of the Zone I.

Zone I Recommendations:

- ✓ To the extent possible, continue on-going efforts to remove all non-water supply activities from the Zone Is to comply with DEP's Zone I requirements.
- ✓ Continue to 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. In addition, continue to provide education materials to homeowners within the Zone I.
- ✓ Keep any new non-water supply activities out of the Zone I.
- ✓ Agreement Options - Until land is available, continue to pursue options for a *Memorandum of Understanding and Right of First Refusal*.

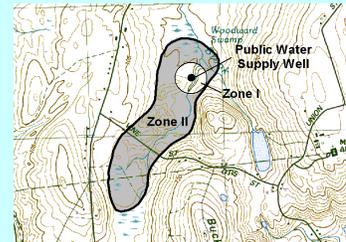
Memorandum of Understanding (MOU) is an agreement between the landowner and public water supplier in which the landowner agrees not to engage in specific threatening activities. The MOU should be specific to the land use or activity. For instance, if the land is residential with a septic system the owner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

Right of First Refusal is a legal document that gives the water supplier first chance to purchase land when it becomes available. See *Right of First Refusal* in Appendices.

2. Activities in Zone A - Existing and future land use activities which may have an impact on surface water sources include: on-site septic systems; public and private recreational activities; untreated stormwater runoff; uncontained storage of fertilizers, manure, domestic animals; new construction; spills along roads; above ground and underground storage tanks; erosion; and un-permitted and unauthorized activities.

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.

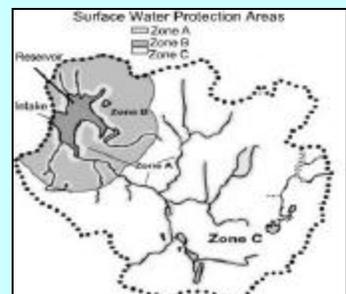


What are "BMPs?"

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.

What is a Watershed?

A watershed is the land area that catches and drains rainwater down-slope into a river, lake or reservoir. As water travels down from the watershed area it may carry contaminants from the watershed to the drinking water supply source. For protection purposes, watersheds are divided into protection Zones A, B and C.



Wild animals, farm animals, and domestic pets can be carriers of waterborne diseases such as Giardia, Cryptosporidium, Salmonella, etc. The following non-water supply activities occur in the Zone A of the system's reservoirs:

Great Pond - Numerous homes exist throughout the Zone A of the reservoir and its tributaries, some of which are on private septic systems; local roads run throughout the Zone A of the reservoir and its tributaries, with Route 3 and Route 18 crossing sections of the northern tributary; and, there is a small amount of commercial activity occurring in the Zone A of the northern tributary to the reservoir.

South Cove - There are numerous homes, some of which are on private septic systems throughout the Zone A of the reservoir and tributaries to the reservoir; four underground storage tanks are in the Zone A of the reservoir and its tributaries; and, Route 53, Route 3, Route 18, and local roads run throughout the Zone A of the reservoir and tributaries;

Zone A Recommendations:

- ✓ To the extent possible, continue on-going efforts to remove all non-water supply activities from the Zone As to comply with DEP's Zone A requirements.

- ✓ Continue to use BMPs for the storage, use, and disposal of hazardous materials such as water supply chemicals and maintenance chemicals.
- ✓ Storage of pesticides, fertilizers or road salt within the Zone A should be covered and contained.
- ✓ To the extent possible, continue to keep any new prohibited activities out of the Zone A.

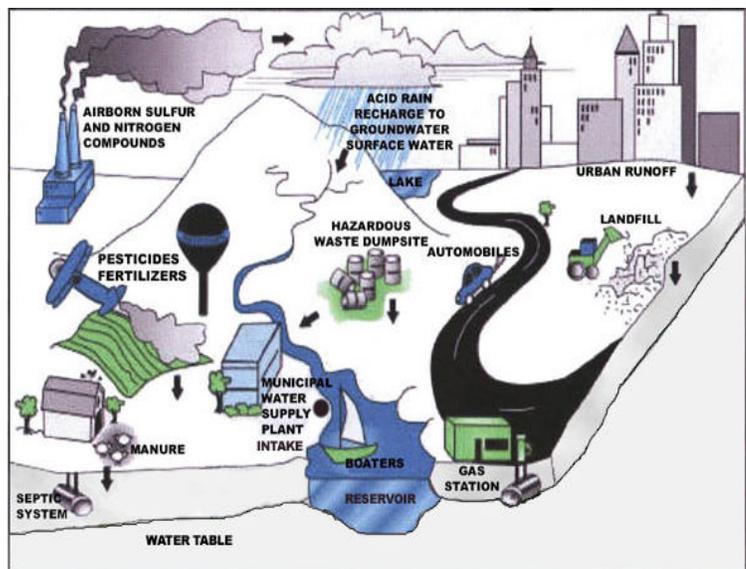
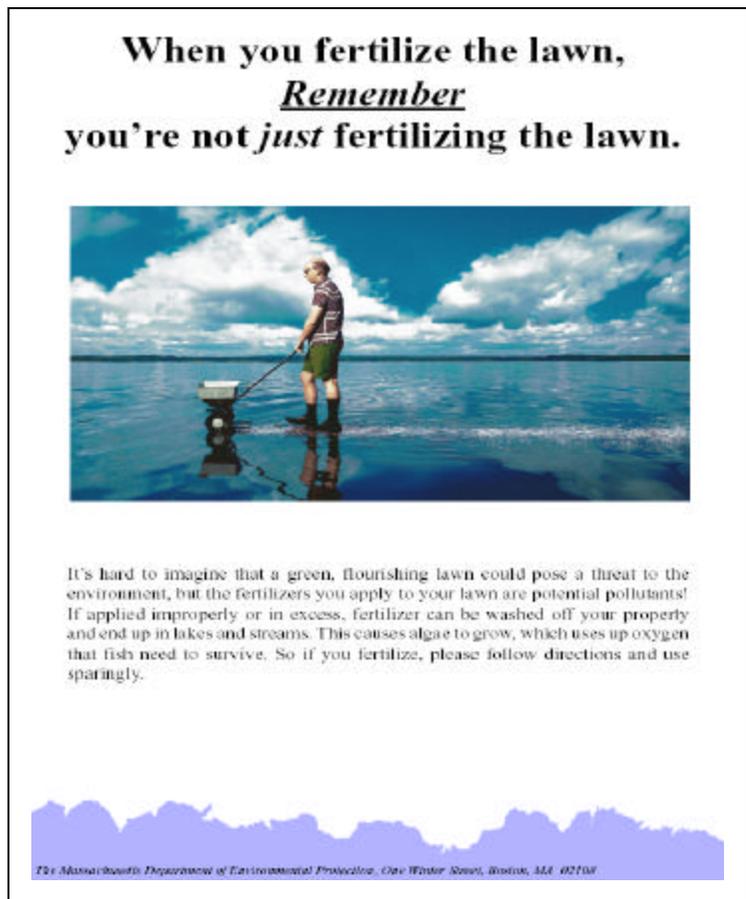
3. Hazardous Materials Storage and Use –

Many small businesses and industries use hazardous materials, produce hazardous waste products, and/or store large quantities of hazardous materials in UST/AST. 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:

- ✓ Continue to 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.

(Continued on page 7)



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Figure 1: Sample watershed with examples of potential sources of contamination

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 Watershed

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

Land Uses	Quantity	Threat	Zone II Number	Zone C Source ID	Potential Contaminant Sources*
Commercial					
Gas Stations	9	H		01S, 02S	Spills, leaks, or improper handling or storage of automotive fluids and fuels
Cemeteries	1	M		01S	Leaks, spills, improper handling, or over-application of pesticides; historic embalming fluids
Funeral Homes	1	L		02S	Spills, leaks, or improper handling of hazardous chemicals
Medical Facilities	2	M		02S	Spills, leaks, or improper handling or storage of biological, chemical, and radioactive wastes
Railroad Tracks and Yards	2	H		02S	Over-application or improper handling of herbicides, leaks or spills of transported chemicals and maintenance chemicals; fuel storage
Industrial					
Fuel Oil Distributors	1	H		02S	Spills, leaks, or improper handling or storage of fuel oil
Industry/Industrial Parks	2	H	321	02S	Spills, leaks, or improper handling or storage of industrial chemicals and metals
Residential					
Fuel Oil Storage (at residences)	Numerous	M	321	01S, 02S	Spills, leaks, or improper handling of fuel oil
Lawn Care/Gardening	Numerous	M	321	01S, 02S	Over-application or improper storage and disposal of pesticides
Septic Systems/Cesspools	Numerous	M	321	01S, 02S	Microbial contaminants, and improper disposal of hazardous chemicals
Miscellaneous					
Aboveground Storage Tanks	6	M		01S, 02S	Spills, leaks, or improper handling of materials stored in tanks
Fishing/Boating	Numerous	L		02S	Fuel and other chemical spills, microbial contaminants
Large Quantity Hazardous Waste Generators	4	H		02S	Spills, leaks, or improper handling or storage of hazardous materials and waste

Land Uses	Quantity	Threat	Zone II Number	Zone C Source ID	Potential Contaminant Sources*
Miscellaneous					
Military Facilities (Past And Present) Type: <u>Naval Air</u>	1	H		02S	Spills, leaks, or improper handling or storage of pesticides and herbicides, fuel, chemicals and other materials; may include ordnance or waste landfill/ dump sites
Oil or Hazardous Material Sites	15	--	321	01S, 02S	Tier 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	321	02S	Spills, leaks, or improper handling or storage of deicing materials, automotive fluids, fuel storage, and other chemicals
Schools, Colleges, and Universities	5	M	321	01S, 02S	Spills, leaks, or improper handling or storage of fuel oil, laboratory, art, photographic, machine shop, and other chemicals
Small quantity hazardous waste generators	18	M	321	02S	Spills, leaks, or improper handling or storage of hazardous materials and waste
Stormwater Drains/ Retention Basins	Multiple	L	321	01S, 02S	Debris, pet waste, and chemicals in stormwater from roads, parking lots, and lawns
Superfund Sites	1	H		02S	Spills, leaks, or improper handling or storage of oil or hazardous materials and waste
Transmission Line Rights-of-Way Type: <u>electric</u>	2	L		01S, 02S	Construction and corridor maintenance, over-application or improper handling of herbicides
Transportation Corridors	2	M	321	02S	Accidental leaks or spills of fuels and other hazardous materials, over-application or improper handling of pesticides
Underground Storage Tanks	42	H	321	01S, 02S	Spills, leaks, or improper handling of stored materials
Very Small Quantity Hazardous Waste Generator	3	L	321	02S	Spills, leaks, or improper handling or storage of hazardous materials and waste
Water Treatment Sludge Lagoon	4	M		01S	Improper management of sludge and wastewater
Notes:					
<ol style="list-style-type: none"> 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. 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. For information about Oil or Hazardous Materials Sites in your protection areas, refer to Appendix C: Tier Classified Oil and/or Hazardous Material Sites. <ul style="list-style-type: none"> 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. 					

Partnerships between businesses, water suppliers, and communities enhance successful public drinking water protection practices.

- ✓ Continue to enforcement of existing Hazardous Materials Storage and Use Ordinance.
- ✓ Continue to educate local businesses on Massachusetts floordrain requirements. See brochure “Industrial Floor Drains” for more information.

4. Transportation Corridors - Roadway construction, maintenance, and typical highway use can all be potential sources of contamination. Accidents can lead to spills of gasoline and other potentially dangerous transported chemicals. Roadways are frequent sites for illegal dumping of hazardous or other potentially harmful wastes. De-icing salt, automotive chemicals and other debris on roads are picked up by stormwater and wash in to catch basins.

Transportation Corridor Recommendations:

- ✓ Identify stormwater drains and the drainage system along transportation corridors. Wherever possible, ensure that drains discharge stormwater outside of the Zone II and Zone Cs.

- ✓ Continue to work with the Town DPW and State to inspect, maintain, and clean catch basins on a regular schedule. Street sweeping reduces the amount of potential contaminants in runoff.
- ✓ Continue to work with the Town DPW and State emergency response teams to ensure that any spills within the Zone II, Zone A and Zone C can be effectively contained.
- ✓ After identifying and mapping stormdrains as part of the EPA Phase II Stormwater Rule, review the maps with emergency response teams.

5. Department of Public Works Facility - The potential for ground water contamination in municipal facilities is related to accidental dumps, accidental spills, and vehicle washing operations, or from wastewater treatment or left over product. Waste management and product storage processes pose the most prevalent threats to ground water, and a wide variety of potentially harmful constituents are involved in release incidents.

Department of Public Works Facility Recommendations:

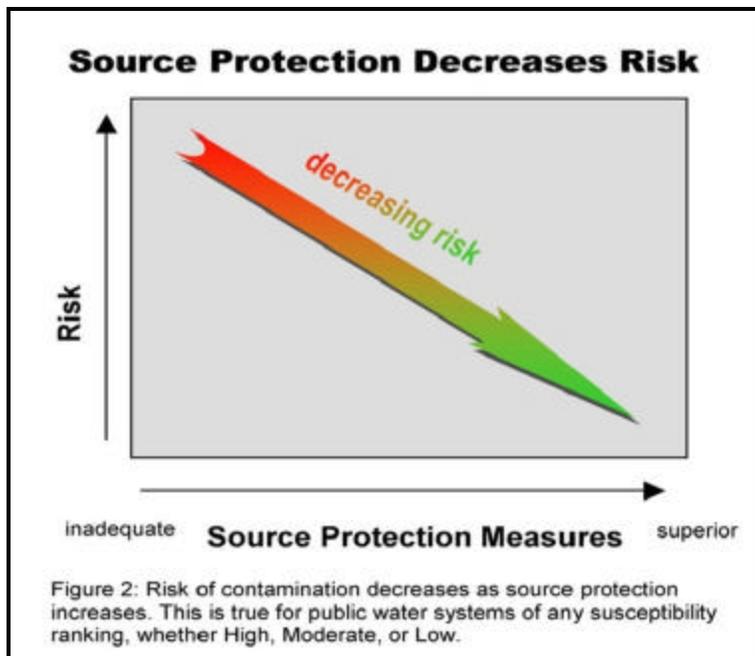
- ✓ **Best Management Practices** - The New England Environmental Assistance Team provides municipalities in New England with information on how to comply with environmental requirements, and how to prevent pollution. For more information about this EPA sponsored program visit their website at <http://www.epa.gov/region1/steward/neeat/muni/index.html>.

**When you wash your car in the driveway,
Remember
you're not just washing your car in the driveway.**



All the soap, suds, and oily grit runs along the curb. Then into a storm drain and directly into our lakes, rivers, and streams. And that causes pollution which is unhealthy for everyone. So how do you avoid this whole mess? Easy! Wash your car on the grass or gravel instead of the street. Or better yet, take it to a car wash where the water gets treated or recycled.

The Massachusetts Department of Environmental Protection One Brewer Street Boston, MA 02108



Encourage the Department of Public Works to develop best management practices to insure proper salt storage, proper maintenance of facilities and good housekeeping practices.

✓ **Fuel Dispensing Area**

- Continue to maintain fuel-dispensing areas using dry cleanup methods. Fueling areas should never be washed down unless dry clean-up has been done and the wash water is collected and disposed of in the sanitary sewer system.
- Post signs against "topping off" of vehicle fuel tanks.
- The fuel dispensing area should be covered, and the cover must not drain onto the fuel dispensing area.
- The paving around the fuel dispensing area should exceed the minimum dimensions of the "fuel dispensing area", and should have a means for containing accidental spills.

✓ **Salt Storage Structure** - Salt pile structures should be adequately sized to allow for the loading and unloading of salt within the structure. Review the Department of Environmental Protection's Drinking Water Program Guidelines On Deicing Chemical (Road Salt) Storage at <http://www.state.ma.us/dep/brp/dws/files/saltgui.doc>.

6. Residential Land Uses – Approximately 30% of the combined Zone II and Zone Cs consist of residential areas. 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:

- ✓ Continue to 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.
- ✓ Continue to work with planners to control new residential developments in the water supply protection areas.
- ✓ Continue to promote BMPs for stormwater management and pollution controls.

7. Presence of Federal Superfund Site and Oil or Hazardous Material Contamination Sites – The Zone C for South Cove contains a United States Environmental Protection Agency (USEPA) Superfund Site that is associated with DEP Tier Classified Oil and/or Hazardous Material Release Sites listed on DEP's Sites Database as Release Tracking Numbers 3-0002621, 3-0010239, 3-0010469, 3-0010628, 3-0010739, 3-0010858, 3-0011622, and 3-0013157. The Zone II and Zone Cs also contain DEP Tier Classified Oil and/or Hazardous Material Release Sites indicated on the maps as Release Tracking Numbers 3-0000036, 3-0000148, 3-0000331, 3-0003287, 3-0003304, 3-0003728, 3-0004480, 3-0004750, 3-0010268, 3-0017307, 3-0017359, 3-0017906, 3-0017927, 3-0019210, and 4-0006043. Refer to the attached map and Appendix C for more information.

Oil or Hazardous Material Contamination Sites Recommendation:

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

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.

8. Protection Planning – Currently, the Town is in the process of updating water supply protection controls to meet DEP’s Wellhead Protection regulations 310 CMR 22.21(2). Protection planning protects drinking water by managing the land area that supplies water to a well. A Wellhead and Watershed 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 and Watershed 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” and “Developing a Local Surface Water Supply Protection Plan”.
- ✓ Coordinate efforts with local officials to compare local wellhead and watershed protection controls with current MA Wellhead Protection Regulations 310 CMR 22.21(2), and MA Surface Water Supply Protection Regulations 310 CMR 22.20B and 310 CMR 22.20C. If there are no local controls or they do not meet the current regulations, adopt controls that meet 310 CMR 22.21(2), 310 CMR 22.20B and 310 CMR 22.20C. For more information on DEP land use controls see <http://mass.gov/dep/brp/dws/protect.htm>.
- ✓ If local controls do not regulate floordrains, be sure to include floordrain controls that meet 310 CMR 22.21(2).

Other land uses and activities within the Zone II and Zone Cs 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.

Top 5 Reasons to Develop a Local Wellhead and Surface Water Protection Plan

- ❶ Reduces Risk to Human Health
- ❷ Cost Effective! Reduces or Eliminates Costs Associated With:
 - ◆ Increased 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.

Section 3: Source Water Protection Conclusions and Recommendations

Current Land Uses and Source Protection:

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

- Adoption and enforcement of local Hazardous Materials Storage and Use Ordinance
- Working closely with MWRA TRAC department regarding hazardous materials in the Weymouth sewer system
- Adopting a “No Salt Zone” policy for the application of road salt within Zone A and Zone I
- Identifying and mapping storm drains draining into the watershed as part of the EPA Phase II Stormwater Rule
- Redirecting drainage from DPW yard to outside of the Zone II
- Completing self-audit of DPW facility as part of EPA audit program
- Working with the Weymouth Highway Department to redirect the Washington Street stormdrains that flow into South Cove to Whitman’s Pond.
- Inventory, mapping, inspecting, and cleaning stormdrains.

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.

Table 3: Current Protection and Recommendations

Protection Measures	Status	Recommendations
Zone A		
Does the Public Water Supplier (PWS) own or control the entire Zone I and/or Zone A?	YES (Libbey Park Well)	Follow Best Management Practices (BMP's) that focus on good housekeeping, spill prevention, and operational practices to reduce the use and release of hazardous materials.
	NO (Great Pond, South Cove, Circuit Ave. Well, Main Street Well, Winter Street Well #1, Winter Street Well #2)	To the extent possible, remove non-water supply activities from each Zone I and prohibited activities in Zone A to comply with DEP's Zone I and Zone A requirements. Investigate options for gaining ownership or control of the Zone I for groundwater sources.
Are the Zone I and Zone A posted with "Public Drinking Water Supply" Signs?	YES	Additional economical signs are available from the Northeast Rural Water Association (802) 660-4988.
Are the Zone I and Zone A regularly inspected?	YES	Continue daily inspections of drinking water protection areas.
Are water supply-related activities the only activities within the Zone I and Zone A?	YES (Libbey Park Well)	Continue monitoring for non-water supply activities in Zone As.
	NO (Great Pond, South Cove, Circuit Ave. Well, Main Street Well, Winter Street Well #1, Winter Street Well #2)	Monitor non-water supply activities in Zone I and prohibited activities in Zone A, and investigate options for removing these activities.
Municipal Controls (Zoning Bylaws, Health Regulations, and General Bylaws)		
Does the municipality have Surface Water Protection Controls that meet 310 CMR 22.20C and Wellhead Protection Controls that meet 310 CMR 22.21(2)	NO	Work with the Planning Board and the Board of Selectmen to adopt land use controls that meet 310 CMR 22.21(2) and 310 CMR 22.20C. Refer to www.state.ma.us/dep/brp/dws/ for model bylaws and health regulations, and current regulations.
Do neighboring communities protect the water supply protection areas extending into their communities?	Uncertain	Request that municipal officials in Abington, Braintree, Hingham, Holbrook, and Rockland develop land use restrictions that meet 310 CMR 22.21(2) and 310 CMR 22.20C, and to incorporate Weymouth's source protection areas.
Planning		
Does the PWS have a local surface water and wellhead protection plan?	NO	Develop a surface water supply protection plan. Follow "Developing a Local Surface Water Supply Protection Plan" available at: www.state.ma.us/dep/brp/dws/ . 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 the 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 watershed and wellhead protection committee?	YES	Reconvene committee; include representatives from citizens' groups, neighboring communities, and the business community.
Does the Board of Health conduct inspections of commercial and industrial activities?	YES	Board of Health has a Hazardous Materials Bylaw. For additional guidance see "Hazardous Materials Management: A Community's Guide" at www.state.ma.us/dep/brp/dws/files/hazmat.doc
Does the PWS provide watershed protection education?	YES	Currently, the only outreach is through the annual Consumer Confidence Report, flyers, and bill stuffers. Increase residential outreach through school programs, Drinking Water Week activities, and coordination with local groups. Aim additional efforts at commercial, industrial and municipal uses within the Zone II and Zone Cs.

- ✓ 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.
- ✓ 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 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 www.state.ma.us/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 and town boards.

APPENDIX A: DEP PERMITTED FACILITIES WITHIN WEYMOUTH'S WATER SUPPLY PROTECTION AREAS

DEP FACILITY NUMBER	FACILITY NAME	STREET ADDRESS	TOWN	PERMITTED ACTIVITY	ACTIVITY CLASS
326677	AMES DEPARTMENT STORE	140 MAIN STREET	WEYMOUTH	HANDLER	VERY SMALL QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
31927	BOBS COLLISION	185 LIBERTY STREET	WEYMOUTH	HANDLER	SMALL QUANTITY GENERATOR
223383	CAMERONS GULF SERVICE	4 HOLLIS STREET	WEYMOUTH	FUEL DISPENDER	FUEL DISPENSER
223383	CAMERONS MOBIL SERVICE	4 HOLLIS STREET	WEYMOUTH	HANDLER	VERY SMALL QUANTITY GENERATOR
223383	CAMERONS MOBIL SERVICE	4 HOLLIS STREET	WEYMOUTH	HANDLER	SMALL QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
317273	CAPITAL PAPER RECYCLING	200 LIBBY INDUSTRIAL PARKWAY	WEYMOUTH	HANDLER	VERY SMALL QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
359014	CAPITAL PAPER RECYCLING INC	200 LIBBY INDUSTRIAL PARKWAY	WEYMOUTH	HANDLER	SMALL QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
363630	CELTIC COLLISION INC	77 PLEASANT STREET	WEYMOUTH	HANDLER	VERY SMALL QUANTITY GENERATOR
136138	CUMBERLAND GULF #60436	237 MAIN STREET	WEYMOUTH	FUEL DISPENDER	FUEL DISPENSER
136491	CUMBERLAND GULF 118610	767 MAIN STREET	WEYMOUTH	FUEL DISPENDER	FUEL DISPENSER
205716	DELUZE COLLISION CENTER	84 LIBERTY STREET	WEYMOUTH	HANDLER	SMALL QUANTITY GENERATOR
365069	EGG & G INC	150-152 UNION STREET	WEYMOUTH	HANDLER	VERY SMALL QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
132645	FISHER PIERCE	90 LIBBY INDUSTRIAL PARKWAY	WEYMOUTH	HANDLER	SMALL QUANTITY GENERATOR
132645	FISHER PIERCE	90 LIBBY INDUSTRIAL PARKWAY	WEYMOUTH	HANDLER	VERY SMALL QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
217386	FIT TO PRINT INC	106 FINNELL DRIVE	WEYMOUTH	HANDLER	VERY SMALL QUANTITY GENERATOR

DEP FACILITY NUMBER	FACILITY NAME	STREET ADDRESS	TOWN	PERMITTED ACTIVITY	ACTIVITY CLASS
35761	GERBRANDS JACK MASS TIRE INC	76 POND STREET	WEYMOUTH	HANDLER	VERY SMALL QUANTITY GENERATOR
209568	GETTY 30315	522 MAIN STREET	WEYMOUTH	FUEL DISPENDER	FUEL DISPENSER
210060	GETTY 30363	469 WASHINGTON STREET	WEYMOUTH	FUEL DISPENDER	FUEL DISPENSER
337174	GOOD BROTHERS DODGE	577 COLUMBIAN STREET	WEYMOUTH	HANDLER	LARGE QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
36553	HOLLIS ALVIN & CO	1 HOLLIS STREET	WEYMOUTH	HANDLER	SMALL QUANTITY GENERATOR
28417	JANNELL MOTORS INC	1068 MAIN STREET	WEYMOUTH	HANDLER	VERY SMALL QUANTITY GENERATOR
126806	KEVEN ROONEY INC	686 MAIN STREET	WEYMOUTH	FUEL DISPENDER	FUEL DISPENSER
356542	KHOURYS GAS INC	565 BROAD STREET	WEYMOUTH	FUEL DISPENDER	FUEL DISPENSER
365067	M & S AUTO	150 UNION STREET	WEYMOUTH	HANDLER	VERY SMALL QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
28987	MASS ELECTRIC COMPANY	186 MAIN STREET	WEYMOUTH	FUEL DISPENDER	FUEL DISPENSER
28987	MASSACHUSETTS ELECTRIC COMPANY	186 MAIN STREET	WEYMOUTH	HANDLER	LARGE QUANTITY GENERATOR
28987	MASSACHUSETTS ELECTRIC COMPANY	186 MAIN STREET	WEYMOUTH	HANDLER	LARGE QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
130918	MATHEWSON CORP	86 FINNELL DRIVE	WEYMOUTH	HANDLER	VERY SMALL QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
130918	MATHEWSON CORP	86 FINNELL DRIVE	WEYMOUTH	HANDLER	VERY SMALL QUANTITY GENERATOR
367682	MINAS AUTO REPAIR	150 UNION STREET	WEYMOUTH	HANDLER	VERY SMALL QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
178140	MOBIL OIL CORP SS 754	512 MAIN STREET	WEYMOUTH	HANDLER	VERY SMALL QUANTITY GENERATOR

DEP FACILITY NUMBER	FACILITY NAME	STREET ADDRESS	TOWN	PERMITTED ACTIVITY	ACTIVITY CLASS
178140	MOBIL OIL CORP SS 754	512 MAIN STREET	WEYMOUTH	HANDLER	SMALL QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
132012	SMITH RICKY PONTIAC INC	25 MAIN STREET	WEYMOUTH	HANDLER	SMALL QUANTITY GENERATOR
132643	SOUTH SHORE HOSPITAL	55 FOGG ROAD	WEYMOUTH	HANDLER	SMALL QUANTITY GENERATOR
126807	SOUTH WEYMOUTH SERVICE	512 MAIN STREET	WEYMOUTH	FUEL DISPENSER	FUEL DISPENSER
332267	SOUTHEASTERN METAL FAB	195 LIBBY INDUSTRIAL PARKWAY	WEYMOUTH	HANDLER	VERY SMALL QUANTITY GENERATOR
332267	SOUTHEASTERN METAL FAB	195 LIBBY INDUSTRIAL PARKWAY	WEYMOUTH	HANDLER	VERY SMALL QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
31873	SPEEDY MUFFLER KING	254 MAIN STREET	WEYMOUTH	HANDLER	VERY SMALL QUANTITY GENERATOR
136141	SUNOCO SERVICE STATION	995 MAIN STREET	WEYMOUTH	HANDLER	VERY SMALL QUANTITY GENERATOR
357180	SUNSET AUTOMOTIVE SERVICE INC	195 PARK AVENUE WEST	WEYMOUTH	FUEL DISPENSER	FUEL DISPENSER
356530	SUPER PETROLEUM INC	150-152 UNION STREET	WEYMOUTH	FUEL DISPENSER	FUEL DISPENSER
363451	SUPER PETROLEUM INC	995 MAIN STREET	WEYMOUTH	FUEL DISPENSER	FUEL DISPENSER
285876	SUPERSHINE CAR WASH CITGO	1068 MAIN STREET	WEYMOUTH	FUEL DISPENSER	FUEL DISPENSER
205600	SURE GO TRANSMISSIONS	866 WASHINGTON STREET	WEYMOUTH	HANDLER	VERY SMALL QUANTITY GENERATOR
210011	THS AUTO SERVICE	325 RALPH TALBOT STREET	WEYMOUTH	HANDLER	SMALL QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
210011	THS AUTO SERVICE CITGO	325 RALPH TALBOT STREET	WEYMOUTH	FUEL DISPENSER	FUEL DISPENSER
32417	UNLIMITED AUTO SERVICE INC	77 PLEASANT STREET	WEYMOUTH	HANDLER	VERY SMALL QUANTITY GENERATOR

DEP FACILITY NUMBER	FACILITY NAME	STREET ADDRESS	TOWN	PERMITTED ACTIVITY	ACTIVITY CLASS
52483	US NAVAL AIR STATION	1134 MAIN STREET - CODE 01E	WEYMOUTH	PLANT	RES APPLICATION APPROVED
297186	WALGREENS 2709	969 MAIN STREET	WEYMOUTH	HANDLER	SMALL QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
115675	WALLYS PRINT INC	86 POND STREET	WEYMOUTH	HANDLER	VERY SMALL QUANTITY GENERATOR
132924	WEYMOUTH DEPARTMENT OF PUBLIC WORKS	120 WINTER STREET	WEYMOUTH	DISCHARGE	MWRA SEWER CONNECTION
364223	WEYMOUTH DPW	120 WINTER STREET	WEYMOUTH	FUEL DISPENDER	FUEL DISPENSER
30201	WEYMOUTH HONDA	211 MAIN STREET	WEYMOUTH	HANDLER	VERY SMALL QUANTITY GENERATOR
30201	WEYMOUTH HONDA	211 MAIN STREET	WEYMOUTH	HANDLER	VERY SMALL QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
30201	WEYMOUTH HONDA	211 MAIN STREET	WEYMOUTH	HANDLER	LARGE QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
338860	WEYMOUTH MRI	420 LIBBY INDUSTRIAL PARKWAY	WEYMOUTH	DISCHARGE	MWRA SEWER CONNECTION
317014	WEYMOUTH RENTALS INC	1059 WASHINGTON STREET	WEYMOUTH	HANDLER	VERY SMALL QUANTITY GENERATOR
317014	WEYMOUTH RENTALS INC	1059 WASHINGTON STREET	WEYMOUTH	HANDLER	VERY SMALL QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
35427	CAR CRAFT AUTO BODY INC	521 GROVE STREET	BRAINTREE	HANDLR	VERY SMALL QUANTITY GENERATOR
37640	DICKINSON BECTON IMMUNOCYTOmetry	60 COLUMBIAN STREET	BRAINTREE	HANDLR	VERY SMALL QUANTITY GENERATOR
215559	ALCATEL VACUUM PRODUCTS	67 SHARP STREET	HINGHAM	HANDLER	SMALL QUANTITY GENERATOR
215559	ALCATEL VACUUM PRODUCTS	67 SHARP STREET	HINGHAM	HANDLER	SMALL QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
228845	B E PETERSON INC	75 INDUSTRIAL PARK ROAD	HINGHAM	HANDLER	VERY SMALL QUANTITY GENERATOR

DEP FACILITY NUMBER	FACILITY NAME	STREET ADDRESS	TOWN	PERMITTED ACTIVITY	ACTIVITY CLASS
228845	B E PETERSON INC	75 INDUSTRIAL PARK ROAD	HINGHAM	HANDLER	SMALL QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
331316	BYRNE INDUSTRIES INC	70 SHARP STREET	HINGHAM	HANDLER	VERY SMALL QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
265813	CJM CONSTRUCTION	85 RESEARCH ROAD	HINGHAM	HANDLER	VERY SMALL QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
32260	CRANE JOHN INC	4 KEITH WAY	HINGHAM	HANDLER	VERY SMALL QUANTITY GENERATOR
334498	ELDRED WHEELER	60 SHARP STREET	HINGHAM	HANDLER	SMALL QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
229557	HENNIGAN ENGINEERING	55 INDUSTRIAL PARK ROAD	HINGHAM	HANDLER	VERY SMALL QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
324878	JM PERRONE CO INC	105 RESEARCH ROAD	HINGHAM	HANDLER	VERY SMALL QUANTITY GENERATOR
324878	JM PERRONE CO INC	105 RESEARCH ROAD	HINGHAM	HANDLER	VERY SMALL QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
29880	MACKENZIE MACHINE AND DESIGN INC	10 INDUSTRIAL PARK ROAD	HINGHAM	HANDLER	VERY SMALL QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
332074	NATIONAL OFFSET BLANKET SUPPLY INC	41 SHARP STREET	HINGHAM	HANDLER	VERY SMALL QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
34301	NE SEALCOATING CO INC	120 INDUSTRIAL PK ROAD	HINGHAM	HANDLER	VERY SMALL QUANTITY GENERATOR
34301	NE SEALCOATING CO INC	120 INDUSTRIAL PK ROAD	HINGHAM	HANDLER	SMALL QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
229008	NICHOLOSON CONSTRUCTION CO	85 RESEARCH ROAD	HINGHAM	HANDLER	VERY SMALL QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
115388	PREMCO INC	55 RESEARCH ROAD	HINGHAM	HANDLER	VERY SMALL QUANTITY GENERATOR
115388	PREMCO INC	55 RESEARCH ROAD	HINGHAM	HANDLER	VERY SMALL QUANTITY GENERATOR - WASTE OIL/PCBS ONLY

DEP FACILITY NUMBER	FACILITY NAME	STREET ADDRESS	TOWN	PERMITTED ACTIVITY	ACTIVITY CLASS
228847	RISO PRODUCTS	15 INDUSTRIAL PARK ROAD	HINGHAM	HANDLER	VERY SMALL QUANTITY GENERATOR
230021	RJL PRINTING INC	65 INDUSTRIAL PARK ROAD	HINGHAM	HANDLER	VERY SMALL QUANTITY GENERATOR
52481	RUSS ELECTRIC INC	99 INDUSTRIAL PARK ROAD	HINGHAM	HANDLER	LARGE QUANTITY GENERATOR
52481	RUSS ELECTRIC INC	99 INDUSTRIAL PARK ROAD	HINGHAM	TURRPT	LARGE QUANTITY TOXIC USER
228857	SATUIT SWISS	15 INDUSTRIAL PARK ROAD	HINGHAM	HANDLER	VERY SMALL QUANTITY GENERATOR
228857	SATUIT SWISS	15 INDUSTRIAL PARK ROAD	HINGHAM	HANDLER	VERY SMALL QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
331318	TRICORE INC	100 SHARP STREET	HINGHAM	HANDLER	VERY SMALL QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
26733	US REPEATING ARMS CO INC	100 RESEARCH ROAD	HINGHAM	HANDLER	VERY SMALL QUANTITY GENERATOR
26733	US REPEATING ARMS CO INC	100 RESEARCH ROAD	HINGHAM	HANDLER	SMALL QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
228851	VIP CLEANERS	95 RESEARCH ROAD	HINGHAM	HANDLER	VERY SMALL QUANTITY GENERATOR
130011	VULCAN CO INC THE	51 SHARP STREET	HINGHAM	HANDLER	SMALL QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
28888	READ SAND & GRAVEL INC	171 V F W DRIVE	ROCKLAND	HANDLER	VERY SMALL QUANTITY GENERATOR
28888	READ SAND & GRAVEL INC	171 V F W DRIVE	ROCKLAND	HANDLER	RECYCLER - BURNER/BLENDER

UNDERGROUND STORAGE TANKS WITHIN WEYMOUTH'S WATER SUPPLY PROTECTION AREAS

FACILITY NAME	ADDRESS	TOWN	DESCRIPTION	CAPACITY (GAL)	CONTENTS
ALVIN HOLLIS & CO	100 POND STREET	WEYMOUTH	PETROLEUM DISTRIBUTOR	3000	DIESEL
CAMERONS MOBIL SERVICE	4 HOLLIS STREET	WEYMOUTH	GAS STATION	10000	GASOLINE
CAMERONS MOBIL SERVICE	4 HOLLIS STREET	WEYMOUTH	GAS STATION	8000	GASOLINE
CAMERONS MOBIL SERVICE	4 HOLLIS STREET	WEYMOUTH	GAS STATION	8000	GASOLINE
CUMBERLAND GULF	767 MAIN STREET	WEYMOUTH	GAS STATION	10000	GASOLINE
CUMBERLAND GULF	767 MAIN STREET	WEYMOUTH	GAS STATION	10000	GASOLINE
CUMBERLAND GULF	767 MAIN STREET	WEYMOUTH	GAS STATION	10000	GASOLINE
CUMBERLAND GULF	767 MAIN STREET	WEYMOUTH	GAS STATION	550	WASTE OIL
CUMBERLAND GULF	237 MAIN STREET	WEYMOUTH	GAS STATION	6000	GASOLINE
CUMBERLAND GULF	237 MAIN STREET	WEYMOUTH	GAS STATION	6000	GASOLINE
CUMBERLAND GULF	237 MAIN STREET	WEYMOUTH	GAS STATION	6000	GASOLINE
CUMBERLAND GULF	237 MAIN STREET	WEYMOUTH	GAS STATION	4000	GASOLINE
EG & G	150-152 UNION STREET	WEYMOUTH	GAS STATION	10000	GASOLINE
EG & G	150-152 UNION STREET	WEYMOUTH	GAS STATION	5000	GASOLINE
GETTY STATION	522 MAIN STREET	WEYMOUTH	GAS STATION	10000	GASOLINE
GETTY STATION	522 MAIN STREET	WEYMOUTH	GAS STATION	8000	GASOLINE

FACILITY NAME	ADDRESS	TOWN	DESCRIPTION	CAPACITY (GAL)	CONTENTS
GETTY STATION	522 MAIN STREET	WEYMOUTH	GAS STATION	6000	GASOLINE
GETTY STATION	469 WASHINGTON STREET	WEYMOUTH	GAS STATION	10000	GASOLINE
GETTY STATION	469 WASHINGTON STREET	WEYMOUTH	GAS STATION	10000	GASOLINE
GETTY STATION	469 WASHINGTON STREET	WEYMOUTH	GAS STATION	550	WASTE OIL
MASS ELECTRIC	186 MAIN STREET	WEYMOUTH	UTILITIES	10000	GASOLINE
MASS ELECTRIC	186 MAIN STREET	WEYMOUTH	UTILITIES	10000	DIESEL
MOBIL	512 MAIN STREET	WEYMOUTH	GAS STATION	12000	GASOLINE
MOBIL	512 MAIN STREET	WEYMOUTH	GAS STATION	10000	GASOLINE
MOBIL	512 MAIN STREET	WEYMOUTH	GAS STATION	6000	GASOLINE
MOBIL	512 MAIN STREET	WEYMOUTH	GAS STATION	1000	WASTE OIL
ROONEY'S	686 MAIN STREET	WEYMOUTH	GAS STATION	6000	GASOLINE
ROONEY'S	686 MAIN STREET	WEYMOUTH	GAS STATION	5000	GASOLINE
ROONEY'S	686 MAIN STREET	WEYMOUTH	GAS STATION	4000	GASOLINE
ROONEY'S	686 MAIN STREET	WEYMOUTH	GAS STATION	1000	DIESEL
ROUTE 18 TEXACO	995 MAIN STREET	WEYMOUTH	GAS STATION	8000	GASOLINE
ROUTE 18 TEXACO	995 MAIN STREET	WEYMOUTH	GAS STATION	8000	GASOLINE

FACILITY NAME	ADDRESS	TOWN	DESCRIPTION	CAPACITY (GAL)	CONTENTS
ROUTE 18 TEXACO	995 MAIN STREET	WEYMOUTH	GAS STATION	8000	GASOLINE
SOUTH WEYMOUTH CITGO	1068 MAIN STREET	WEYMOUTH	GAS STATION	12000	GASOLINE
SOUTH WEYMOUTH CITGO	1068 MAIN STREET	WEYMOUTH	GAS STATION	12000	GASOLINE
SUNSET SERVICE STATION	195 PARK AVENUE WEST	WEYMOUTH	GAS STATION	6000	GASOLINE
SUNSET SERVICE STATION	195 PARK AVENUE WEST	WEYMOUTH	GAS STATION	6000	GASOLINE
SUNSET SERVICE STATION	195 PARK AVENUE WEST	WEYMOUTH	GAS STATION	4000	GASOLINE
THS CITGO	325 RALPH TALBOT STREET	WEYMOUTH	GAS STATION	10000	GASOLINE
THS CITGO	325 RALPH TALBOT STREET	WEYMOUTH	GAS STATION	10000	GASOLINE
THS CITGO	325 RALPH TALBOT STREET	WEYMOUTH	GAS STATION	6000	GASOLINE
WEYMOUTH DEPARTMENT OF PUBLIC WORKS	120 WINTER STREET	WEYMOUTH	MUNICIPAL	10000	GASOLINE

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 Weymouth’s 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
3-0004480	237 Main Street	Weymouth	Oil
3-0003287	60 Winter Street	Weymouth	Oil
3-0003304	512 Main Street	Weymouth	Oil and Hazardous Material
3-0017906	325 Ralph Talbot Street	Weymouth	Oil
3-0017927	55 To 111 Central Street	Weymouth	Oil
3-0019210	24 Burton Terrace	Weymouth	Oil
3-0003728	747 Front Street	Weymouth	--
3-0000148	325 Ralph Talbot Street	Weymouth	--
3-0004750	55 Hollis Street	Weymouth	Oil
3-0000036	686 Main Street	Weymouth	--
4-0010268	118 Thicket Street	Abington	Oil
3-0000331	100 Industrial Park Road	Hingham	Oil
3-0017359	100 Research Road	Hingham	Oil
3-0017307	100 Research Road	Hingham	Oil
4-0006043	163 Forest Street	Rockland	--

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