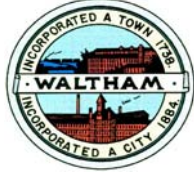


# The City of Waltham



**Invites,  
Interested Parties  
To propose the best plan**

**For the:**

**DESIGN, ENGINEERING SERVICES FOR SEWER IMPROVEMENTS, AREA 5A  
WALTHAM, MASSACHUSETTS**

Your response is due to the Purchasing Office no later than

**10:00 am Tuesday December 29, 2015**

**Last day for Written Questions: Friday December 18, 2015 at 12 Noon**

(Email to [Jpedulla@city.waltham.ma.us](mailto:Jpedulla@city.waltham.ma.us))

**REQUEST FOR QUALIFICATIONS  
FOR DESIGNER SERVICES FOR THE  
DESIGN, ENGINEERING SERVICES FOR SEWER IMPROVEMENTS, AREA 5A  
WALTHAM, MASSACHUSETTS**

The City of Waltham is seeking responses from qualified Designer Firms registered and licensed in the Commonwealth of Massachusetts for the preparation of plans and specifications, cost estimating, bidding documents, construction documents and construction Administration for improvements to the Beaver Street Sewer Area 5A.

**I. GENERAL INFORMATION AND SUBMISSION REQUIREMENTS.**

- 1)** RFQ packages can be obtained from; and will be accepted at the City of Waltham, [www.city.waltham.ma.us/open-bids](http://www.city.waltham.ma.us/open-bids) until **10:00 am Tuesday December 29, 2015**
- 2)** for this Request for Qualifications which is made in accordance with MGL c.7C §44-58 and §1-61. **The original and five (5) copies of the proposal are required.**
  - a. The non-price proposal envelope must be sealed and clearly marked:**  
*Non-Price Proposal – DESIGN, ENGINEERING SERVICES FOR SEWER IMPROVEMENTS, AREA 5A, WALTHAM, MASSACHUSETTS*
  - b. The Price proposal envelope must be sealed and clearly marked:**  
*Price Proposal – DESIGN, ENGINEERING SERVICES FOR SEWER IMPROVEMENTS, AREA 5A, WALTHAM, MASSACHUSETTS*
- 3)** Award date. Award will be made within forty-five (45) days after the due date unless otherwise stated in the specifications or the time for award is extended by mutual consent of all parties. All RFQ's submitted shall be valid for a minimum period of forty-five (45) calendar days following the date established for acceptance.
- 4)** **Questions** concerning this RFQ must be submitted in writing to: Joseph Pedulla/CPO at [jpedulla@city.waltham.ma.us](mailto:jpedulla@city.waltham.ma.us) **Friday December 18, 2015 at 12 Noon**
- 5)** Questions may be delivered, mailed, emailed, [jpedulla@city.waltham.ma.us](mailto:jpedulla@city.waltham.ma.us). Written responses will be mailed to all bidders on record as having requested the RFQ.
- 6)** RFQ's may be modified, corrected or withdrawn only by written correspondence received by the City of Waltham prior to the time and date set for the bid opening. Bid modifications must be submitted in a sealed envelope clearly labeled "Modification No. \_\_\_\_" and must reference the original RFQ.
- 7)** After the bid opening, a bidder may not change any provision of the bid in a manner prejudicial to the interests of the City of Waltham or fair competition. Minor informalities will be waived or the bidder will be allowed to correct them. If a mistake and the intended bid are clearly evident on the face of the bid document, the mistake will be corrected to reflect the intended bid, and the bidder will be notified in writing; the bidder may not withdraw the bid. A bidder may withdraw a bid if a mistake is clearly evident on the face of the bid, but the intended correct bid is not similarly evident.
- 8)** The City of Waltham reserves the right to reject any and all RFQ's and to waive any informality in RFQ's received whenever such rejection or waiver is in its best interest.
- 9)** The City of Waltham will not be responsible for any expenses incurred in preparing and submitting RFQ's. All RFQ's shall become the property of the City of Waltham.

- 10) Responders must be willing to enter into the City of Waltham standard form of contract that will include the scope of services description of this RFQ.
- 11) The bid, and any subsequent contract for the services, is hereby issued in accordance with applicable Massachusetts General Laws. The selected bidder shall be expected to comply with all applicable state and federal laws in performance of service.
- 12) RFQ's received prior to the date of opening will be securely kept, unopened. No responsibility will attach to an officer or person for the premature opening of a bid not properly addressed and identified.
- 13) Any RFQ's received after the advertised date and time for opening will be returned to the responder unopened.
- 14) Purchases by the City of Waltham are exempt from federal, state and municipal sales and/or excise taxes.
- 15) All the documents in the COMPLIANCE Section must be included with the bid response. The bid must be signed by the authorized individual(s).
- 16) Unexpected closures. If, at the time of the scheduled bid opening, City Hall is closed due to uncontrolled events such as fire, snow, ice, wind or building evacuation, the bid opening will be postponed until 2:00 PM on the next normal business day. RFQ's will be accepted until that date and time.
- 17) The City of Waltham is an Affirmative Action/Equal Opportunity Employer. The City encourages RFQ's from qualified MBE/WBE firms. **Combined participation for the MBE/WBE is 17.9%**
- 18) Responses to the RFQ must be prepared according to the guidelines set forth herein. Selection of the successful responder will be based upon an evaluation and analysis of the information and materials required under the RFQ.

## II. SCOPE OF SERVICES.

The Beaver Street sewer main, from Oakley Lane up into the neighborhoods off of Forest Street as shown on the attached map, are contributing to a surcharge of the sewer main on Valley View Road. A Closed Caption Television (CCTV) report preformed in January 2014 indicates the sewer line between Oakley Lane and Valley View Road is defective. A flow meter was installed in the sewer manhole located in the intersection of Beaver Street and Valley View Road. Flow data is attached. An integral part of this request for proposals will be to conduct a sewer system evaluation of Area 5A, which is tributary to the Beaver Street sewer main with the ultimate discharge to the Lyman Street trunk sewer at the junction manhole located at the intersection of Beaver Street and Oakley Lane. The Consulting Engineer will be required to perform a cost effective analysis of removing the Infiltration and Inflow (I/I) as part of the scope of work described in this RFP for Area 5A.

In addition to the presence of I/I in the sewer system, the CITY has determined that the configuration of the junction manhole at Beaver Street and Valley View Road contributes to the surcharge of Valley View Road. It is our understanding that when the Beaver Street sewer main experiences heavy flow, the sewer flow out of Valley View Road is prevented from discharging normally. This request for proposals includes evaluating the cost effectiveness and feasibility of a relief sewer line from Beaver Street (in the vicinity of #645 Beaver Street) to the dead end manhole on Lyman Street. Plans and specifications to construct the relief sewer line will be provided to the CITY as part of the RFP. In addition to the attachments, the CITY will make available the sewer system map, GIS maps, and record profiles of the sewer mains.

### **Project Description:**

The selected professional engineering firm shall conduct or otherwise acquire the necessary field surveys, quantity estimates provided are approximate, subsurface investigation, and other pertinent information needed for the design of the water improvement project. The firm shall prepare detailed final design plans, technical specifications, and cost estimates as needed for the construction of project improvements as described below and shown on the attachments.

The selected professional engineering firm will prepare detailed plans and technical specifications for the sewer replacement. The firm will develop 22" x 34" plan and profile sheets (1"=40') and research existing record drawings and other utilities in the area and include pertinent information. The base maps will be prepared using the GIS information available from the City. Supplemental survey will be required to include subsurface utilities and information not shown on the GIS.

All drawings will be prepared in digital format on AutoCAD, Release 2010 or newer. Technical specifications will be prepared using the sixteen-division format of the Construction Specifications Institute (CSI). The City's design standards will be incorporated into the detailed plans and technical specifications. The design will include the repair of drainage structures as necessary, accommodation for uninterrupted services (water/sewer), preparation of a traffic management plan and the replacement of the curbing and sidewalks if necessary.

The engineering firm will obtain necessary approval and permitting from the City of Cambridge Watershed Management, Waltham Conservation Commission, as well as any other local authorities required.

The selected professional engineering firm will submit draft plans, technical specifications with standard general conditions and supplemental conditions, and construction cost estimate for City review. They will address review comments and produce final documents for final project execution.

Construction administration and resident inspection services for this project will be separately bid at a later date.

### **III. Bidding**

The selected professional engineering firm will provide assistance to the City in project bidding and bid evaluation in accordance with MGL c.30, §39M. The selected firm will provide to the City an electronic version of the plans and technical specifications to be distributed by the City. The engineering firm will be responsible to respond to Contractor questions, attend a pre-bid site meeting, attending a bid opening, reviewing bid proposals, prepare bid tabulation sheets, check the qualifications of bidders, issue a recommendation to award, assist with contract for construction and construction administration

#### **1. RESPONSIBILITIES OF THE CITY OF WALTHAM:**

The CITY will provide to the CONSULTANT all available record information for street layouts, water lines and building services, sanitary drain lines and building connections, and storm drain lines. The CITY will operate all existing valves during design and construction.

#### **2. DELIVERY TO THE CITY:**

The CONSULTANT shall begin performance of the services designated in the contract promptly upon receipt of a written Notice to Proceed. **The 90% preliminary design shall be submitted within 90 days from the Notice to Proceed and the final design shall be submitted within 120 days of the Notice to Proceed.** It is anticipated that construction can begin in the summer of 2016.

### 3. CONSULTANT'S LIABILITY:

Professional services provided by the CONSULTANT shall be in accordance with the generally accepted engineering principles and practices. The CONSULTANT shall be liable for all damage caused by errors or omissions in his work or the work of his subcontractors, agents or employees performed under the contract entered into by the CITY and the selected CONSULTANT. The CONSULTANT expressly agrees that his subcontractors, agents or employees shall possess the experience, knowledge and character necessary to qualify them individually for the particular duties they perform.

The CONSULTANT will be required to furnish a Certificate of Insurance, naming the CITY as Additional Insured, for General Liability and Vehicle Liability in the amount of \$500,000 per occurrence and \$1,000,000 in the aggregate and Worker's Compensation Insurance as prescribed by law.

### IV. SCHEDULE OF PROPOSAL SELECTION PROCESS:

The following is a tentative schedule of the selection process.

RFP issue .....	December 9, 2015
Deadline for questions.....	December 18, 2015, 12 noon
Answers released to firms on record.....	December 22, 2015
Deadline for proposals.....	December 29, 2015

Questions concerning this RFP must be submitted in writing to:

Joseph P. Pedulla, Chief Procurement Officer, 610 Main Street, Waltham, MA 02452. [jpedulla@city.waltham.ma.us](mailto:jpedulla@city.waltham.ma.us)

The City shall endeavor to distribute written answers via e-mail to all interested parties of record.

### 7. EVALUATION AND RANKING OF PROPOSALS:

Each proposal shall be reviewed by a designer selection board comprised of at least three members. Proposals will be evaluated upon the basis of the evaluation criteria for selection set forth and other appropriate factors. Submissions will then be ranked in the order of qualification. The first, second and third ranked proposals will be further reviewed and evaluated, including reference checks, by the committee. This further review and evaluation will include interviews or the opportunity to provide additional information to the committee.

The selection committee shall evaluate proposals based on the following criteria:

1. **Cost. (50 points).** Appropriateness, reasonableness and competitiveness of the cost proposal, including hourly charges for personnel and responsiveness to cost information requirements. Costs associated with enhancements and/or deletions to the Scope of Services may be considered under this criterion.
2. **Qualifications of key personnel. (20 points).** The identity and qualifications of key personnel, team members and sub-consultants available to work on this project, including their expected project assignments. The quality (appropriateness, capability and relevant project experience) of key personnel and continuity of the project team, key personnel and sub-consultants throughout the project.
3. **Similar experience/past performance on similar projects. (15 points).** The proposer's prior similar experience, including the work which best illustrates the team's most relevant experience, ability and expertise to perform the services requested in this RFP; and the proposer's past performance on similar projects, ongoing and completed within the past five years. The committee will review project descriptions and references from 3 communities in Massachusetts for systems of similar in size and complexity where the consultant has performed services similar to those included in this request.
4. **Technical Approach, Capacity, Management Approach. (10 points).** The quality, completeness and methodology of the technical approach envisioned for the project in response to the Scope of Services. The proposer's capacity to apply and commit itself successfully to the project tasks and to complete required

services; its absence of conflicting commitments to concurrent projects; and its scheduling. The clarity, completeness and effectiveness of the proposed organizational structure and the proposed management approach required to successfully manage this project. The demonstrated ability of the team to work together effectively, to maintain schedule and cost control on this project, to resolve resource constraints, and to interact effectively with City of Waltham operations and staff.

5. **Minority and Women-owned Business Enterprise Participation 17.9% combined (MBE/WBE). (5 points).** The amount and significance of MBE and WBE participation and the involvement which meets or exceeds the required minimum percentage established for this project.

#### **V. REVISIONS IN SCOPE OF WORK:**

If during the term of the contract, substantial changes are made by the CITY in the scope of character of the work to be performed, the CONSULTANT shall make the necessary changes only after receiving a written order from the CITY and the CITY will adjust the fee accordingly. In the event that no such written agreement regarding payment ceiling adjustment has been executed prior to the performance of such increased work, the CONSULTANT shall not be entitled to any additional fee. Accordingly, the CONSULTANT is under no obligation to perform work reflecting a change in scope if he has not received a written adjustment of the fee.

#### **VI. SCOPE OF WORK:**

##### **TASK 1 – Plans & Specifications for Beaver Street Sewer Replacement:**

Prepare plans and specifications for the replacement of the existing sewer main between Valley View Road and Oakley Lane. Plan development shall include instrument survey for Plan and Profile.

##### **TASK 2 – Sewer Area 5A System Evaluation Study:**

Conduct a Sewer System Evaluation Study (SSES) of the Beaver Street Sewer Area 5A which consists of 10,700 linear feet of sewer pipe and 73 SMHs (from City GIS database). The work to be done is on the following streets:

- a) Beaver Street (Oakley Lane to Forest Street)
- b) Valley View Road
- c) Forest Street (Beaver Street to Pigeon Lane)
- d) Woodcliff Drive
- e) Ivy Lane
- f) Azalea Road
- g) Ledge Road
- h) Forest Circle
- i) Rogers Way
- j) Gentleman's Way

The evaluation (SSES work) will identify the areas required for use of cured in place pipe lining (CIPPL), manhole rehabilitation, lining of service connections, heavy cleaning, root removal, and limited spot repairs for damaged pipe. The evaluation will require flow metering (one location), pre and post rehabilitation work, smoke testing, cleaning and CCTV of the sewer mains, and manhole inspections. The work is to be coordinated with the CITY's sump pump amnesty program which will require up to twenty building inspections to identify sources of inflow.

Perform a cost effective I/I removal plan. Identify the sources of I/I and provide quantitative information on I/I flow. Example, sealing X manholes and/or rehabbing manhole covers will mitigate Y gallons per day of I/I. Or lining X linear feet of sewer main will remove Y amount of I/I gallons per day.

##### **TASK 3 – Design Area 5A Infiltration and Inflow Removal:**

The design of I/I removal will be based on the results of the flow monitoring, smoke testing, CCTV inspection, and

analysis of the collected field data completed in Task 2. The recommended program shall consist of a comprehensive I/I removal strategy aimed at removing the maximum amount of I/I in the most cost-effective manner. The CONSULTANT shall prepare a bid package and contract documents for I/I mitigation in Area 5A. The design documents shall conform to MassDEP guidelines. Plan development shall include 500 feet of instrument survey at up to 10 locations for Plan and Profile.

**TASK 4 – Beaver Street Sewer Relief Feasibility Analysis:**

Prepare an analysis for installing a relief/overflow sewer line between Beaver Street, in the vicinity of #645 Beaver Street, to the dead end sewer manhole on Lyman Street. Feasibility analysis is to be performed to include cost to construct vs. relief volume of flow from the Beaver Street sewer main. Prepare plans and specifications for the construction of the relief sewer. Plan development shall include instrument survey.

**TASK 5 – Construction Oversight:**

The CONSULTANT will provide construction oversight and inspection services during the implementation of the designed plans produced from Tasks 1-4. The CONSULTANT will be responsible to ensure that all work is done in accordance with the design plans and specifications, as well as recording construction activity and item quantities used.

**VII. SUBMISSION OF PROPOSAL:**

Please submit six (6) copies of the proposal.

The proposal shall begin with a cover letter addressed to Mr. Joseph Pedulla, CPO which confirms that the proposer understands and agrees to the provisions of this RFP and which furnishes the following statements or information:

1. Cost proposal. **Place in a Separate Sealed Envelope**
2. Certify that all cost information, salaries , rates, policies, etc. are current, complete and accurate
3. Confirm that all individuals listed in its proposal are committed to performance on the projects
4. State that it will meet the insurance requirements for this project may obtained from office of the City of Waltham, Chief Procurement Officer
5. Say if the firm or any member of the firm is currently debarred from doing business with any government entity or is a party to any pending or current litigation which might adversely affect performance on this project
6. Declare if the firm has filed for the protection of U. S. Bankruptcy Court in the last seven years
7. Include information in the cover letter that demonstrates compliance with the minimum threshold requirements
8. Completed “Compliance” section.

Firms planning to submit a proposal are encouraged to ask for background information on any aspect of this request so that the submitted proposal fulfills the requirements of the City Engineer. Such information shall be shared with interested parties of record.

Proposals shall be submitted in writing in a sealed envelope **no later than 10:00 am Friday December 29, 2015**, to:

Joseph P. Pedulla  
Chief Procurement Officer  
City of Waltham  
610 Main Street  
Waltham, MA 02452-5580

**VIII. PAYMENT**

Payment shall be made following receipt of monthly invoices provided deliverables have been received on schedule.

## **IX. PROPOSAL EVALUATION PROCEDURE**

The Chief Procurement Officer and a subcommittee will evaluate qualifications on the basis of criteria contained herein. Submittals failing to comply with one or more of the minimum criteria stated below shall be disqualified from further consideration.

Submittals that comply with the minimum criteria will be further evaluated on the basis of the comparative criteria detailed below. Each proposal meeting the minimum criteria will be assigned a rating for each comparative criterion, as well as a composite rating. Selection of the three finalists will be based on meeting all minimum criteria, and the evaluation of qualifications with regard to the comparative criteria. The City will rank the three finalists.

### **A. Minimum Evaluation Criteria**

The Chief Procurement Officer shall reject Proposals which do not meet the following certain minimum requirements:

- 1) Submitting architectural firm must have a minimum of five (5) projects during the past five years involving similar Design services.
- 2) The Proposal must be from an individual or established business, corporation, partnership, sole proprietorship, joint stock company, joint venture, firm, or other entity engaged in the practice of providing such services as the principal business for which the entity was formed.
- 3) The firm must possess all necessary current licenses and registrations, as applicable, either within the firm or through independent consultants, to qualify under Massachusetts law to perform the stated services. All consultants carried by the Architect are to be licensed to provide professional services in the Commonwealth of Massachusetts.
- 4) All Proposers must provide a "Contractor Profile" that includes:
  - a. Full name, tax identification number, main office address and officers of the Contractor that would ultimately enter into a Contract with the City of Waltham.
  - b. History and background including when the Contractor was organized and if a corporation, where incorporated, and how many years engaged in providing the stated services. Provide a complete list of officers and/or associates who will be directly involved with the stated project including name, title, address, telephone number, and e-mail address.
- 5) The proposer must have completed and signed the Commonwealth of Massachusetts, Division of Capital Asset Management (DCAM), Cities and City's Application Form (See Exhibit D) and shall have included them in the Proposal package.
- 6) The Proposal must be signed by an agent of the company who has authority to bind the company to a firm bid price.
- 7) All responses are to include a statement that the Proposal is in accordance with this Request for Qualifications and that the proposer has read and understands all sections and provisions herein. Exceptions, if any, are to be clearly stated.

### **A. Staffing Requirements**

1. The architect must set forth the staffing to be utilized for this service, including the estimated percentage of time to be dedicated to this project.



2. Submitting firm must be prepared to contractually commit all individuals as submitted in their Proposal to this service. Any deviation from the proposed will constitute a breach of Contract to any agreement which may result from this Request for Qualifications.
3. The Proposal must include resumes, experience, and qualifications of any proposed consultants that would be utilized by the Proposer in the performance of this contract. Any deviation from the architect's listed consultants or their team will constitute a breach of Contract to any agreement which may result from this Request for Proposals. Any change in consultants listed in the Proposal must obtain approval from the City.
4. Should it become impossible for a contractually committed individual to complete his duties, for a reason such as termination of employment, any change in the Proposers staffing as outlined in the Proposal will be subject to the approval of the City of Waltham. The City of Waltham Project Administrator, or designee, shall notify the proposer within fifteen (15) business days of the acceptance or rejection of any such staff substitutions. Any substituted person must be of an experience level equal to or greater than the person being replaced unless approved by the City.

#### **B. Additional Narrative Information**

1. List the anticipated amount of support services and/or documents the Procurement Office would be required to provide to you. Define what is not included within your fee proposal.
3. Provide evidence that the firm has an established and implemented Affirmative Action Plan.

#### **C. Miscellaneous Requirements**

Public Relations: The City of Waltham and the Proposer shall cooperate in maintaining good public relations throughout the period of this project. Any announcements including, but not limited to, press releases, bill stuffers, flyers, web site information, and so forth, shall be submitted to the Project Manager, or designee, for review and approval before distribution to the public.

The Architect, or a representative of the firm given the Contract may be required to meet privately or publicly with various representatives, committees, boards, or commissions of the City of Waltham or other public forums, to discuss this project, gather information, and address any concerns or to provide timely updates.

#### **D. Financial Scope of Services**

**The Price Proposal must be submitted in a separately sealed envelope and no mention of the pricing portions of the Proposal shall be mentioned in the technical, or non-price qualifications portion of the Proposal. Failure to meet this stipulation may be cause for the Proposal to be rejected.**

#### **IX. COMPARATIVE EVALUATION CRITERIA**

The City reserves the right to award the contract to the responsive and responsible qualification submittal which best meets the City's needs, taking into account firm qualifications, submittal quality, evaluation criteria and proposal price. The awarding authority's decision or judgment on these matters shall be final; the committee will use the comparative criterion for each separate rating area, and based upon these criteria, will assign an overall rating to each proposal. Each of the criteria may contain ratings of:

- Unacceptable
- Not Advantageous
- Acceptable
- Advantageous
- Highly Advantageous

An “Unacceptable” rating in any one of the criteria will eliminate the proposal from further consideration.

Firms must meet the minimum requirements as specified in Section III A. Failure to meet the minimum evaluation criteria will result in immediate rejection of the qualification submittal and will not be subject to further review.

The following criteria will be used in the evaluation of the architectural firm regarding the Technical or Non-Price Proposal in order to be placed on the short list for an interview with the Selection Committee.

**Responding Firms are to address each of the following criteria in a clearly labeled section of their response and in the same order.**

- 1) **The Firm Background and Capability** to perform all of the aspects of the project, such as programming, building permitting, cost estimating and value engineering, architectural, mechanical, fire protection and electrical engineering.
  - a. **Unacceptable:** Less than three (3) years of experience in providing Design services in Massachusetts with documented examples of such services.
  - b. **Acceptable:** Three (3) to five (5) years of experience in providing Design services in Massachusetts with documented examples of such services.
  - c. **Advantageous:** More than five (5) years of experience in providing Design services in Massachusetts with documented examples of such services.
  - d. **Highly Advantageous:** More than seven (7) years of experience in providing Design services in Massachusetts with documented examples of such services.
  
- 2) **Recent Relevant Experience** with projects comparable to the proposed project. Firm to describe relevant Massachusetts, permitting and design in this type of facility project.
  - a. **Unacceptable:** Firm has no permitting or design background in providing this type of facility project. No projects of similar type have been successfully completed.
  - b. **Advantageous:** Firm has prior experience in permitting and design in providing this type of facility project that is current (within the past 5 years). One (1) to Three (3) projects of similar type have been successfully completed.
  - c. **Highly Advantageous:** Firm has prior experience with permitting and design background in this type of facility project within that is current (within past 5 years). Additional similar work is underway currently within the firm. Three (3) or more projects of similar type have been successfully completed.
  
- 3) **Current Firm Capacity** list significant current work and work completed in the last five (5) years, as well as projects in-house but not yet begun; quantify.
  - a. **Unacceptable:** No or limited current work listed.
  - b. **Not Advantageous:** Firm capacity may be challenged by current work load when taking on this new assignment.
  - c. **Advantageous:** Firm capacity appears to be able to handle this assignment with the given work load.
  - d. **Highly Advantageous:** Firm capacity can easily handle this assignment with their given work load.
  
- 4) **References** Provide references with contact names and valid phone numbers of other clients whereby similar work has been performed.
  - a. **Unacceptable:** References are not provided.
  - b. **Not Advantageous:** References provided are not related to similar project type
  - c. **Acceptable:** At least two (2) references are from similar project experience.
  - d. **Advantageous:** More than three (3) references are provided from similar project types.

- e. **Highly Advantageous:** Five or more references are provided for similar project types.

**5) Project Discussion & Scope of Work, Project Understanding & Challenges, Project Approach**

- a. **Unacceptable** - Proposal did not adequately convey the Proposers understanding of the project and the firm's approach to completing the project successfully.
- b. **Not Advantageous** - The response indicates the proposer may understand the Owner's needs, but the plan provided is not clear enough to make a determination. The Proposers approach does not instill confidence in a plan to complete the project in a well thought out manner.
- c. **Advantageous** - The Scope of Services response provided indicates the proposer will meet the needs of the Owner; and shows the Proposers demonstrated understanding of the project and their approach to the work required to complete a successful project.
- d. **Highly Advantageous** - The Scope of Services response provided clearly indicates the understanding and ability to successfully meet the needs of the Owner; shows the Proposers demonstrated understanding of the project; their ability to bring leadership to the project and that their approach to the project demonstrates a creative and thorough process

**6) Proposed Schedule**

- a. **Unacceptable:** A proposed schedule was not offered.
- b. **Not Advantageous:** The proposed project schedule does not instill confidence by the Owner in the firm to complete the project in a well thought out manner.
- c. **Acceptable:** The proposed project schedule provided indicates the proposer understands the project, its scope and its timeframes for completing the work adequately.
- d. **Advantageous:** The proposed schedule provided indicates the proposer has more than adequately demonstrated their understanding of the project and the work required to complete a successful project and to meet the requirement of the Owner's review and approval cycles.
- e. **Highly Advantageous:** The proposed schedule provided indicates the proposer has demonstrated their complete understanding of the project and will monitor and keep the project on schedule. The firm understands the time required to complete a successful project and has clearly demonstrated their process which will meet the requirements of the Owner for timely reviews and approvals.

**7) Innovative Energy Methods:** Demonstrate any of the firm's experience in using energy efficient power plants or recycled content materials in construction of municipal projects. List any LEEDS certified projects or related efforts involving "green" building design. Information should include project name, contact and phone numbers and reference to securing any energy related grants on behalf of clients.

- a. **Unacceptable:** No demonstration of knowledge or experience.
- b. **Advantageous:** The provision of methodology or material choices in similar project experience demonstrated on less than five (5) projects.
- c. **Highly Advantageous** – The provision of methodology or material choices in similar projects experience demonstrated on five (5) or more projects.

**8) Response to Additional Narrative Information.**

List support services and/or required documents required by your firm of the City.

Define what is not included within your fee proposal.

- a. **Unacceptable** – Proposer did not address Additional Narrative Information section.
- b. **Not Advantageous** – Proposal did not adequately respond to all additional Narrative Information as requested.
- c. **Advantageous** – Proposal was responsive, adequately responded to additional Narrative Information requested, appeared consistent with project intent, and responded to needs expressed by the documents in all areas
- d. **Highly Advantageous** - Proposal was very responsive, thoroughly responded to additional Narrative Information requested, appeared consistent with project intent, and responded to needs expressed by

the documents in all areas.

**9) Affirmative Action Plan:** provide evidence of your firm's policies.

- a. **Unacceptable:** Proposer did not submit their Affirmative Action Plan.
- b. **Not Advantageous:** Affirmative Action Plan was poorly defined.
- c. **Acceptable:** Affirmative Action Plan was responsive to the intent of the program.
- d. **Advantageous:** Affirmative Action Plan was responsive and more than adequately responded to the intent of the program.
- e. **Highly Advantageous:** Affirmative Action Plan was responsive and more than adequately responded to the intent of the program. The proposer demonstrated actual follow through on the program with documented firm history.

**10) General Impression of Proposal**

**Unacceptable** - The proposal was not responsive to the Comparative Evaluation Criteria in an acceptable manner.

**Not Advantageous** - Response is informative, meets the criteria for responsiveness. Reviewer feels proposal reflects that proposer is able to perform in a manner acceptable to the City but was not overly impressed by Proposers expression of ability.

**Advantageous** - Response is informative, meets criteria for responsiveness and communicates well. Reviewer feels proposal reflects that proposer is able to perform in a manner acceptable to the City, and shows the Proposers commitment to the City and the project.

**Highly Advantageous** - Response is concise, informative, and highly detailed. Proposal reflects that provider is able to perform in a manner acceptable to the City, communicates well and shows the Proposers commitment to the City and the project.

**X. RULE FOR AWARD**

The contract shall be awarded to the responsive and responsible proposer submitting the most advantageous proposal, taking into consideration the proposals relative merits and price

**XI. BASIS OF COMPENSATION**

The contract awarded will be a fixed price contract not to exceed the awarded amount. [There will be no reimbursable expenses allowed.](#)

**AGREEMENT BETWEEN  
THE CITY OF WALTHAM  
AND**

---

THIS AGREEMENT made effective \_\_\_\_\_, 2015, by and between the **CITY WALTHAM, WALTHAM, MASSACHUSETTS**, a municipal corporation, acting by and through its Mayor at 610 Main, Waltham, Massachusetts 02452 (hereinafter called the "CITY"), and \_\_\_\_\_ whose principal office address and state of incorporation are as set forth (hereinafter called the "CONTRACTOR").

**RECITALS:**

WHEREAS, the CITY desires to retain the CONTRACTOR to provide certain services for the CITY, as described below, and the CONTRACTOR is willing to accept such engagement, all on the terms hereinafter set forth,

NOW, THEREFORE, in consideration of the mutual covenants hereinafter set forth, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties agree as follows:

**ARTICLE 1 - ENGAGEMENT OF THE DESIGNER**

- 1.1 The CITY hereby engages the CONTRACTOR, and the CONTRACTOR hereby accepts the engagement to perform certain services for the CITY, as described in Article 2.
- 1.2 In the performance of any service under this Agreement, the CONTRACTOR acts at all times as an independent contractor. There is no relationship of employment or agency between the CITY, on the one hand, and the CONTRACTOR, on the other, and the CITY shall not have or exercise any control or direction over the method by which the CONTRACTOR performs its work or functions aside from such control or directions which are consistent with the independent contractor relationship contemplated in the Agreement.

**ARTICLE 2 - SERVICES OF THE DESIGNER**

- 2.1 The CONTRACTOR will perform the services described in the Scope of Services set forth in this document (the "Work").
- 2.2 The CONTRACTOR shall report, and be responsible, to the CITY and its designee (if any).
- 2.3 There shall be no amendment to the Scope of Services or Work provided for in this Agreement without the written approval of the CITY. The CITY shall be under no obligation to pay for any services performed by the CONTRACTOR which are not explicitly agreed to by the CITY in writing.
- 2.4 The CONTRACTOR represents and warrants to the CITY that the CONTRACTOR (including all of its personnel, whether employees, agents or independent contractors) will be qualified and duly licensed (if necessary) to perform the services required by this Agreement and further agrees to perform its services in a professional manner, and in accordance with the reasonable standard of care implied by law and all applicable local, state or federal ordinances, laws, rules and regulations, all of which are incorporated herein by reference. The CONTRACTOR will obtain and pay for any and all permits, bonds and other items required for the proper and legal performance of the Work.
- 2.5 The CONTRACTOR represents and warrants to the CITY that it is not a party to any agreement contract or understanding which would in any way restricts or prohibits it from undertaking or performing its obligations hereunder in accordance with the terms and conditions of this Agreement.

- 2.6 All written materials and any other documents (whether in the form of “hard” copies, graphics, magnetic media or otherwise) which are received and produced by the CONTRACTOR pursuant to this Agreement shall be deemed to be “work for hire” and shall be and become the property of the CITY upon the receipt and production of such items by the CONTRACTOR. The CITY acknowledges that such materials are being prepared with respect to the specific project contemplated hereby and that any reuse of such materials by the CITY in connection with any other project shall be at the CITY’s sole risk, unless otherwise agreed to by the CONTRACTOR in writing.
- 2.7 The CONTRACTOR shall be responsible for the professional and technical accuracy, and for the coordination, of all designs, drawings, specifications, estimates and other work or services furnished by CONTRACTOR or its consultants and subcontractors. The CONTRACTOR shall perform its work under this Agreement in such a competent and professional manner that detail checking and reviewing by the CITY shall not be necessary. The CONTRACTOR shall supervise and direct the Work, using its best skills and attention, which shall not be less than such state of skill and attention generally rendered by the design and engineering profession for projects similar to the subject project in scope, difficulty and location.
- 2.8 The CONTRACTOR shall not use any subcontractors or sub-consultants (not identified herein) for any work required under this Agreement unless such use has been approved in advance in writing by the CITY.
- 2.9 Notwithstanding anything to the contrary in this Agreement, the CONTRACTOR shall not be relieved of its obligations under this Agreement by the CITY’s performance, or failure to perform, any of the CITY’s administrative duties under this Agreement, including, but not limited to, the CITY’s review and/or approval of plans, estimates, programs, documents, materials, work and services furnished by CONTRACTOR.

### **ARTICLE 3 - PERIOD OF SERVICES**

- 3.1 Unless otherwise provided, the term of this Agreement shall commence on the date hereof and continue until the Work is completed to the City’s reasonable satisfaction.
- 3.2 The CONTRACTOR shall proceed with the Work promptly after receiving Notice to Proceed and will diligently and faithfully prosecute the Work to completion in accordance with the provisions hereof. In any event, the Work shall be completed no later **than 120 days from the date of the Notice to Proceed**. The CONTRACTOR acknowledges that time is of the essence of this Agreement.
- 3.3 If the CONTRACTOR is delayed in the performance of any of its obligations under this Agreement by the occurrence of an unforeseen event beyond its control such as fire or other casualty, abnormal adverse weather conditions, acts of God (collectively, "Unavoidable Events") which materially and adversely affect its ability to perform the Work, then the time for the CONTRACTOR to perform the Work shall be extended for such time as the CITY shall reasonably determine is necessary to permit the CONTRACTOR to perform in light of the effects of the Unavoidable Event.

If an Unavoidable Event occurs which, in the City’s reasonable determination, makes the performance of the Agreement impossible without the expenditure of additional CITY funds, the CITY may, at its option, elect to terminate this Agreement upon thirty (30) days written notice.

### **ARTICLE 4 - PAYMENTS TO THE DESIGNER**

- 4.1 The compensation due to the CONTRACTOR shall be paid in the amounts, and in the manner, set forth on Exhibit B, attached hereto.
- 4.2 The CONTRACTOR will bill the CITY in two equal invoices at the completion of the work unless otherwise

provided with one or more invoices broken down to show the quantity of work performed and the percentage of the entire project completed, categories and amount of reimbursable expenses (if any), and provide such supporting data as may be required by the CITY.

- 4.3 The CITY will pay the CONTRACTOR upon review and approval of such invoices by the CITY or its designee.
- 4.4 This engagement may be subject to budgetary restrictions which may limit the total amount of funds available for the Work. Accordingly, unless otherwise stated on Exhibit B, the CITY will not be obligated to pay any amount in excess of the maximum project amount without the express written approval of the CITY.
- 4.5 The CONTRACTOR and its sub-contractors shall not be compensated for any services involved in preparing changes that are required for additional work that should have been anticipated by the CONTRACTOR in the preparation of the documents, as reasonably determined by the CITY.

#### **ARTICLE 5 - TERMINATION**

- 5.1 This Agreement may be terminated, with or without cause, by either the CITY upon written notice given by the City to the other party. For the purposes of this provision, "cause" shall include the failure of a party to fulfill its material duties hereunder in a timely and proper manner.
- 5.2 The CITY shall have the right to terminate this Agreement for its convenience and without cause upon ten (10) days written notice.
- 5.3 Following termination of this Agreement, the parties shall be relieved of all further obligations hereunder except:
  - (a) unless the CITY terminates for cause under paragraph 5.1, in which event the CITY shall be under no obligation to make any payments to CONTRACTOR except for those services satisfactorily provided, the CITY shall remain responsible for payments for the services satisfactorily performed and, unless this Agreement is for a lump-sum, expenses of CONTRACTOR reasonably accrued prior to the effective date of the notice of termination in compliance with this Agreement (less the value of any claims of the CITY), all as determined by the CITY in its sole discretion, but for no other amounts, including, without limitation, claims for lost profits on Work not performed; and
  - (b) The CONTRACTOR shall remain liable for any damages, expenses or liabilities arising under this Agreement (including its indemnity obligations) with respect to WORK performed pursuant to the Agreement.

#### **ARTICLE 6 - INSURANCE AND INDEMNIFICATION**

6.1 The CONTRACTOR agrees to indemnify and save the CITY harmless from any and all manner of suits, claims, or demands arising out of any errors, omissions or negligence by CONTRACTOR (including all its employees, agents and independent contractors) in performing the Work, or any breach of the terms of this Agreement by such CONTRACTOR and shall reimburse the CITY for any and all costs, damages and expenses, including reasonable attorney's fees, which the CITY pays or becomes obligated to pay, by reason of such activities, or breach. The provisions of this Section 6.1 shall be in addition to, and shall not be construed as a limitation on, any other legal rights of the CITY with respect to the CONTRACTOR, in connection with this Agreement, and shall survive termination or expiration of this Agreement.

6.2 Before commencing work the CONTRACTOR shall obtain and maintain at its expense and from insurance companies of a Best Rating of A or better, which are licensed to do business in the Commonwealth of Massachusetts, insurance as set forth below. If the CONTRACTOR is permitted to sub-contract a material portion of the Work, or is otherwise identifying a third party to perform services for the City, the CONTRACTOR shall assure that such sub-contractor or other third party also has such insurance.

- (a) Workers' Compensation, covering the obligations of the CONTRACTOR in accordance with applicable Workers' Compensation or Benefits laws.
- (b) Commercial General Liability Insurance on an occurrence basis with a combined single limit of not less than \$1 million. Coverage is to include premises and operations, coverage for liability of subcontractors. The policy shall contain an endorsement stating that the aggregate limits will apply separately to the work being performed under this Agreement.
- (c) Automobile Liability Insurance of not less than \$1 million combined single limit covering owned, hired and non-hired vehicle use.
- (d) Errors and Omissions Insurance of not less than \$2 million per claim. The coverage shall be in force from the date of execution of the Agreement to the date when all design and construction work is completed and accepted by the CITY, unless, however, the policy is a "claims made policy," in which event the policy shall remain effective and in full force for a period of six (6) years after completion of all design and construction work relating to the engagement.
- (e) Such additional insurance as may be required to be carried by the CONTRACTOR by law.
- (f) Such additional insurance as the CITY may reasonably require, as set forth below.

CONTRACTOR shall maintain such insurance during the term of Agreement and give the CITY twenty (20) days written notice of any change or cancellation of coverage. Each insurer providing policies hereunder shall waive its rights to subrogate claims against the CITY. [The City of Waltham is a named additional insured for General Liability](#) with respect to each such policy and such endorsement shall be reflected on a Certificate of Insurance to be delivered to the CITY upon the execution of this Agreement and at such times thereafter as the CITY may reasonably request.

#### **ARTICLE 7 - GENERAL PROVISIONS**

7.1 Upon the expiration or the termination of this Agreement for any reason, all data, drawings, specifications, reports, estimates, summaries and other work product which have been accumulated, developed or prepared by the CONTRACTOR (whether completed or in process) shall become the property of the CITY upon payment for such to the CONTRACTOR and the CONTRACTOR shall immediately deliver or otherwise make available all such material to the CITY.

7.2 Neither party may assign, transfer or otherwise dispose of this Agreement or any of its rights hereunder or otherwise delegate any of its duties hereunder without the prior written consent of the other party, and any such attempted assignment or other disposition without such consent shall be null and void and of no force and effect.

7.3 Except as otherwise expressly provided in this Agreement, any decision or action made by the CITY relating to this Agreement, its operation, amendment or termination, shall be made by the Board, Committee or Authority of the CITY specified in the initial paragraph of this Agreement, unless specifically authorized or delegated by a lawful vote of such body.

7.4 This Agreement, together with and any additional exhibits referred to therein, constitute the entire agreement of CITY and CONTRACTOR with respect to the matters set forth therein and may not be changed, amended, modified or terms waived except by a writing signed by CITY and CONTRACTOR. If there is any conflict among the terms set forth in the body of this Agreement or in any other document or law incorporated by reference herein, such conflict shall be resolved by giving precedence to the party's address above by certified mail, return receipt requested Terms or provisions contained in the following documents in accordance with the following hierarchy, with the topmost document of the highest priority:



- A. Applicable federal, state and local laws, rules and regulations.
- B. Amendments to this Agreement, if any.
- C. This Agreement.
- D. Any other attachments to this Agreement.

To the extent the conflict is not resolved by applying the above hierarchy, the conflict shall be resolved in a manner that results in the highest quantity and best quality of goods and services to the CITY.

7.5 This Agreement is governed by the law of The Commonwealth of Massachusetts and shall be construed in accordance therewith. The parties agree that exclusive jurisdiction for any action arising out of or relating to this Agreement shall lie with the state and federal courts having jurisdiction over the county and state in which the City is located and the parties hereby irrevocably waive, to the fullest extent permitted by law, any objection which they may now or hereafter have to the venue of any proceeding brought in such location and further irrevocably waive any claims that any such proceeding has been brought in an inconvenient forum.

7.6 Any notices required or allowed shall be to the person's address above by certified mail, return receipt requested.

7.7 Notwithstanding anything to the contrary in this Agreement, this Agreement is subject to the appropriation and availability of funds.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement the day and year first written above.

**For the CITY OF WALTHAM,**

**MAYOR**

**For the CONTRACTOR:**

\_\_\_\_\_  
Jeannette A. McCarthy

\_\_\_\_\_  
Sign  
TITLE: \_\_\_\_\_  
Print Name: \_\_\_\_\_  
Date: \_\_\_\_\_

**PURCHASING AGENT**

\_\_\_\_\_  
Joseph Pedulla,

**CITY SOLICITOR ( as to form only)**

\_\_\_\_\_  
John Cervone

**AUDITOR**

\_\_\_\_\_  
Paul Centofanti

Approved as to Funds Available

**ENGINEERING DEPARTMENT**

\_\_\_\_\_  
Stephen Casazza, City Engineer

**EXHIBIT A**

**Intentionally left Blank**

## **EXHIBIT B**

### **PAYMENTS**

1. Lump Sum Method
  - a. **Maximum Project Amount:**
  - b. **Payment Increments:** CONTRACTOR shall submit two (2) lump sum certificates for payment. 50% after final commissioning by design engineer and 50% after the completion of the construction project.
  - c. **Reimbursable Expenses (if any):** None.

## COMPLIANCE SECTION

### EXHIBIT C

#### *TAX COMPLIANCE CERTIFICATION*

Pursuant to M.G.L. 62C, Sec.49A, the undersigned certifies under the penalties of perjury that it, to the best knowledge and belief of management, has filed all state tax returns and paid all state taxes required under law (if any, are so required).

By:

\_\_\_\_\_  
Name, President

\_\_\_\_\_  
Date

\_\_\_\_\_  
FEIN:

**EXHIBIT D**

**CITY OF WALTHAM'S DESIGN PROCEDURES**

**Please respond to this solicitation by:**

- ◆ **Completing the entire Compliance Section including Attachments B-C and E-L**
- ◆ **Complete the Price Sheet.** (Include in a separate sealed envelope with the project name and company)
- ◆ **Completing the Commonwealth of Massachusetts DSB Application Form. Version July 2011**  
<http://www.mass.gov/anf/docs/dcam/dlforms/dsb/13-2-5-dsb-application-form.pdf>
- ◆ **Including your company brochure and marketing materials (optional).**

**EXHIBIT E**

**DESIGNER'S PERSONNEL ASSIGNED TO THE PROJECT**

(Provide Name, Title and Project Role for Each Individual Listed)

**EXHIBIT F**

(Use additional sheets if necessary. Note: Do not list any support staff.)

**Design Firm Principal:**

**Design Firm Associate:**

**Design Firm Project Manager:**

**Design Firm Project Architect:**

**Design Firm CAD Operator:**

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**[The following categories are to be completed for each Consultant.]**

**Name of Consultant Firm:**

**Consultant Principal:**

**Consultant Associate:**

**Consultant Project Manager:**

**Consultant Project Engineer:**

**Consultant CAD Operator:**

---

**Name of Consultant Firm:**

**Consultant Principal:**

**Consultant Associate:**

**Consultant Project Manager:**

**Consultant Project Engineer:**

**Consultant CAD Operator:**

---



**Name of Consultant Firm:**

**Consultant Principal:**

**Consultant Associate:**

**Consultant Project Manager:**

**Consultant Project Engineer:**

**Consultant CAD Operator:**

---

**Name of Consultant Firm:**

**Consultant Principal:**

**Consultant Associate:**

**Consultant Project Manager:**

**Consultant Project Engineer:**

**Consultant CAD Operator:**

---

**Name of Consultant Firm:**

**Consultant Principal:**

**Consultant Associate:**

**Consultant Project Manager:**

**Consultant Project Engineer:**

**Consultant CAD Operator:**

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**EXHIBIT G**

***DESIGNER'S TRUTH-IN-NEGOTIATIONS CERTIFICATE***

The Designer for design services for:

\_\_\_\_\_, hereby certifies  
and agrees to the following:

- a) The Designer certifies that the wage rates and other costs used to support the Designer's compensation are accurate, complete, and current at the time of contracting; and
- b) The Designer agrees that the original contract price and any additions to the contract may be adjusted within six years of completion of the contract to exclude any significant amounts if the City of Waltham determines that the fee was increased by such amounts due to inaccurate, incomplete, or noncurrent wage rates or other costs.

Designer Firm:

\_\_\_\_\_

By: \_\_\_\_\_  
Duly authorized

Print Name \_\_\_\_\_

Date: \_\_\_\_\_

**EXHIBIT H**

**NON-COLLUSION FORM AND TAX COMPLIANCE FORM**

**CERTIFICATE OF NON-COLLUSION**

The undersigned certifies under penalties of perjury that this bid or proposal has been made and submitted in good faith and without collusion or fraud with any other person. As used in this certification, the word “person” shall mean any natural person, business, partnership, corporation, union, committee, club, or other organization, entity or group of individuals. The undersigned certifies that no representations made by any City officials, employees, entity, or group of individuals other than the Purchasing Agent of the City of Waltham was relied upon in the making of this bid

\_\_\_\_\_  
(Signature of person signing bid or proposal)      Date

\_\_\_\_\_  
(Name of business)

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**TAX COMPLIANCE CERTIFICATION**

Pursuant to M.G.L. c. 62C, & 49A, I certify under the penalties of perjury that, to the best of my knowledge and belief, I am in compliance with all laws of the Commonwealth relating to taxes, reporting of employees and contractors, and withholding and remitting child support.

\_\_\_\_\_  
Signature of person submitting bid or proposal      Date

\_\_\_\_\_  
Name of business

**NOTE**

Failure to submit any of the required documents, in this or in other sections, with your bid response package

may cause the disqualification of your proposal.

**EXHIBIT I**

**CERTIFICATE OF VOTE OF AUTHORIZATION**

Date:

I \_\_\_\_\_, Clerk of \_\_\_\_\_ hereby certify that at a meeting of the Board of Directors of said Corporation duly held on the \_\_\_\_\_ day of \_\_\_\_\_ at which time a quorum was present and voting throughout, the following vote was duly passed and is now in full force and effect:

VOTED: That \_\_\_\_\_ (*name*) is hereby authorized, directed and empowered for the name and on behalf of this Corporation to sign, seal with the corporate seal, execute, acknowledge and deliver all contracts and other obligations of this Corporation; the execution of any such contract to be valid and binding upon this Corporation for all purposes, and that this vote shall remain in full force and effect unless and until the same has been altered, amended or revoked by a subsequent vote of such directors and a certificate of such later vote attested by the Clerk of this Corporation.

I further certify that \_\_\_\_\_ is duly elected/appointed \_\_\_\_\_ of said corporation

SIGNED:

(Corporate Seal)

\_\_\_\_\_  
Clerk of the Corporation:

Print Name: \_\_\_\_\_

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COMMONWEALTH OF MASSACHUSETTS

County of \_\_\_\_\_

Date:

Then personally appeared the above named and acknowledged the foregoing instrument to be their free act and deed before me, \_\_\_\_\_

Notary Public;

My Commission expires: \_\_\_\_\_

**EXHIBIT J**

**CORPORATION IDENTIFICATION**

The bidder for the information of the Awarding Authority furnishes the following information.

**If a Corporation:**

Incorporated in what state \_\_\_\_\_  
President \_\_\_\_\_  
Treasurer \_\_\_\_\_  
Secretary \_\_\_\_\_

Federal ID Number \_\_\_\_\_

**If a foreign (out of State) Corporation** – Are you registered to do business in Massachusetts?

Yes \_\_\_\_\_, No \_\_\_\_\_

If you are selected for this work you are required under M.G.L.ch. 30S, 39L to obtain from the Secretary of State, Foreign Corp. Section, State House, Boston, a certificate stating that you Corporation is registered, and furnish said certificate to the Awarding Authority prior to the award.

**If a Partnership:** (Name all partners)

Name of partner \_\_\_\_\_  
Residence \_\_\_\_\_  
Name of partner \_\_\_\_\_  
Residence \_\_\_\_\_

**If an Individual:**

Name \_\_\_\_\_  
Residence \_\_\_\_\_

**If an Individual doing business under a firm's name:**

Name of Firm \_\_\_\_\_  
Name of Individual \_\_\_\_\_  
Business Address \_\_\_\_\_  
Residence \_\_\_\_\_  
Date \_\_\_\_\_

Name of Bidder \_\_\_\_\_  
By \_\_\_\_\_  
Signature \_\_\_\_\_  
Title \_\_\_\_\_

Business Address \_\_\_\_\_ (POST OFFICE BOX NUMBER NOT ACCEPTABLE)

City State Telephone Number Today's Date

**EXHIBIT K**

**PROVIDE THREE (3) SERVICE APPROPRIATE REFERENCES**

1. Company Name:

Address:

Contact Name:

Phone #

Type of service/product provided to this Company:

Dollar value of service provided to this Company:

2. Company Name:

Address:

Contact Name:

Phone #

Type of service/product provided to this Company:

Dollar value of service provided to this Company:

3. Company Name:

Address:

Contact Name:

Phone #

Type of service/product provided to this Company:

Dollar value of service provided to this Company:

**NOTE**

**Failure to submit any of the required documents, in this or in other sections, with your bid response package will be cause for the disqualification of your company.**

**EXHIBIT L**

**DEBARMENT CERTIFICATION**

In connection with this bid and all procurement transactions, by signature thereon, the respondent certifies that neither the company nor its principals are suspended, debarred, proposed for debarment, declared ineligible, or voluntarily excluded from the award of contracts, procurement or non procurement programs from the Commonwealth of Massachusetts, the US Federal Government and /or the City of Waltham. "Principals" means officers, directors, owners, partners and persons having primary interest, management or supervisory responsibilities with the business entity. Vendors shall provide immediate written notification to the Purchasing Agent of the City of Waltham at any time during the period of the contract of prior to the contract award if the vendor learns of any changed condition with regards to the debarment of the company or its officers. This certification is a material representation of fact upon which reliance will be placed when making the business award. If at any time it is determined that the vendor knowingly misrepresented this certification, in addition to other legal remedies available to the city of Waltham, the contract will be cancelled and the award revoked.

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Company Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_, State \_\_\_\_\_, Zip Code \_\_\_\_\_

Phone Number (\_\_\_\_) \_\_\_\_\_

E-Mail Address \_\_\_\_\_

Signed by Authorized Company Representative: \_\_\_\_\_

Print name \_\_\_\_\_,

Date \_\_\_\_\_

**PRICE SHEET**

(Place in separate sealed envelope market with the title of the project and the name of your company)

**My company offers the not too exceed, fixed, all-inclusive fee of**

**Task 1** – Plans & Specs for Beaver Street Sewer Replacement: \$ \_\_\_\_\_

**Task 2** – Sewer Area 5A System Evaluation Study: \$ \_\_\_\_\_

**Task 3** – Design Area 5A Infiltration / Inflow Removal: \$ \_\_\_\_\_

**Task 4** – Beaver Street Sewer Relief Feasibility Analysis: \$ \_\_\_\_\_

**Task 5** – Construction Oversight: \$ \_\_\_\_\_

Police Allowance **\$7,000.00**

**Total Cost: \$ \_\_\_\_\_**

**My Company acknowledges receipt of addenda:** \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

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**Company:** \_\_\_\_\_

**Authorized Signature:** \_\_\_\_\_

**Print Name:** \_\_\_\_\_

**Phone:** \_\_\_\_\_, **Date:** \_\_\_\_\_

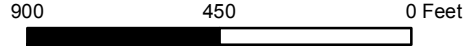
**E-Mail Address:** \_\_\_\_\_



**Legend**

- Sewer Manhole
- Sewer Line
- Sewer Mains to be Replaced/Installed
- Easement Lines
- I&I Area 5A
- Building Footprints
- Parking Lots
- Inpaved Area
- Vegetated Area

1 inch = 450 feet



Document Path: G:\Maps\Valley View Road Sewer Replacement.mxd

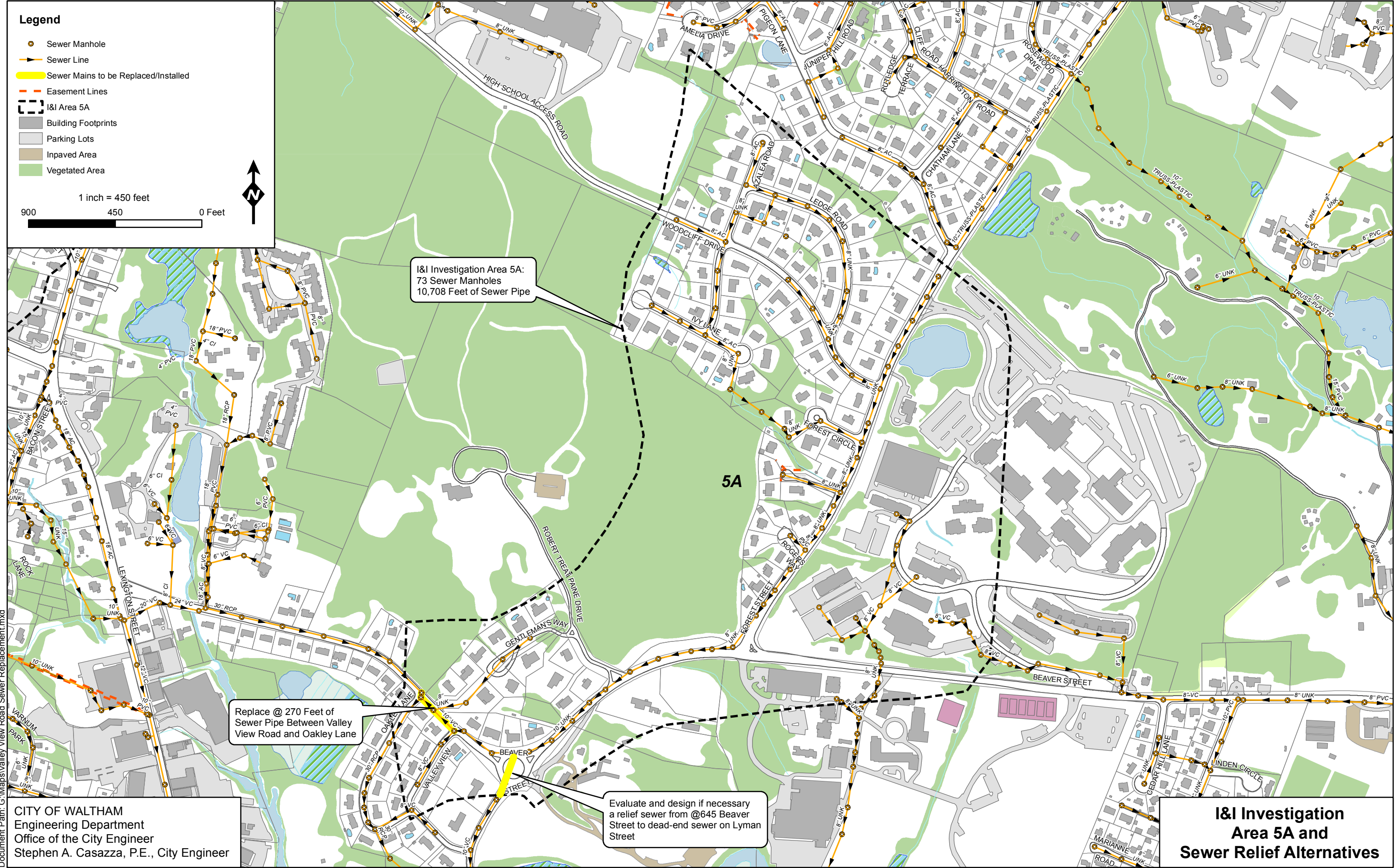
I&I Investigation Area 5A:  
73 Sewer Manholes  
10,708 Feet of Sewer Pipe

Replace @ 270 Feet of  
Sewer Pipe Between Valley  
View Road and Oakley Lane

Evaluate and design if necessary  
a relief sewer from @645 Beaver  
Street to dead-end sewer on Lyman  
Street

CITY OF WALTHAM  
Engineering Department  
Office of the City Engineer  
Stephen A. Casazza, P.E., City Engineer

**I&I Investigation  
Area 5A and  
Sewer Relief Alternatives**



City of Waltham  
161 Lexington Street  
Waltham, MA 02452  
Attn: Lisa Goyer

June 4, 2014

Re: Waltham, MA  
Flow Monitoring  
April - May 2014

Dear Ms. Goyer,

This letter is written to present the flow monitoring data collected in Waltham, MA. The meters were installed on 04/16/14. This letter presents the data from 04/16/14 to 05/21/14. The meters were removed 05/21/14.

Site configuration information:

Site	Location	Meter
1	Beaver Street at Valley View Road	Area Velocity Flow Meter installed in an existing 10" diameter line.
2	Beaver Street at Oakley Lane	Area Velocity Flow Meter installed in an existing 30" diameter line.
3	Middlesex Circle Easement	Area Velocity Flow Meter installed in an existing 36" diameter line.

The Area Velocity Flow Meter senses both depth and velocity. This depth and velocity information is stored in the meter's memory. The recorded data is uploaded from the flow meters with a laptop computer. During the installation, maintenance visits and removal, the depth and velocity information is confirmed and calibration measurements are noted.

**Appendix 1** contains a summary of the daily flow and a summary graph. The summary presents minimum, peak and total daily flow. The summary graph is hourly to help visualize the flow pattern recorded during the monitoring period.

**Appendix 2** contains PDF'd daily flow data printouts in 15-minute intervals on the disk that accompanies this report. This data is also included in an Excel format in 15-minute intervals on the disk that accompanies this report.

The rainfall data presented in **Appendix 1 & 2** was collected by a tipping bucket type rain gauge installed 169 Lexington Street in Waltham, MA.

Site & Data Observations

3	This site had 1" of debris in the line throughout the monitoring period. This debris was taken into account when the flows were calculated.
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Page 2  
June 4, 2014  
Waltham, MA

If you have any questions or require anything additional, please feel free to call.

Sincerely,

Sydney Irving  
Data Analyst



# Summary Flow Report



Site:

1

Beaver St. at Valley View Rd.

Waltham, MA

10" Circular line

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (in)	Peak Hourly Rain (in)	Peak Interval Rain (in)
4/16/2014 (Wed)	0.271	<b>0.472</b>	0.195	0.43	0.09	0.02
4/17/2014 (Thu)	0.248	0.432	<b>0.317</b>	0.00	0.00	0.00
4/18/2014 (Fri)	0.175	0.380	0.280	0.00	0.00	0.00
4/19/2014 (Sat)	0.151	0.314	0.236	0.00	0.00	0.00
4/20/2014 (Sun)	0.154	0.287	0.207	0.00	0.00	0.00
4/21/2014 (Mon)	0.138	0.268	0.196	0.00	0.00	0.00
4/22/2014 (Tue)	0.111	0.235	0.166	0.04	0.04	0.01
4/23/2014 (Wed)	0.107	0.230	0.167	0.47	0.23	0.03
4/24/2014 (Thu)	0.112	0.225	0.165	0.01	0.01	0.01
4/25/2014 (Fri)	0.101	0.202	0.139	0.00	0.00	0.00
4/26/2014 (Sat)	0.086	0.183	0.124	0.25	0.07	0.01
4/27/2014 (Sun)	0.082	0.163	0.115	0.15	0.10	0.02
4/28/2014 (Mon)	0.077	0.203	0.126	0.00	0.00	0.00
4/29/2014 (Tue)	0.079	0.242	0.146	0.00	0.00	0.00
4/30/2014 (Wed)	0.086	0.273	0.160	0.44	0.09	0.01
5/1/2014 (Thu)	0.110	0.276	0.205	0.58	0.13	0.03
5/2/2014 (Fri)	0.121	0.335	0.198	0.01	0.01	0.01
5/3/2014 (Sat)	0.116	0.244	0.187	0.00	0.00	0.00
5/4/2014 (Sun)	0.106	0.308	0.204	0.00	0.00	0.00
5/5/2014 (Mon)	0.111	0.271	0.197	0.00	0.00	0.00
5/6/2014 (Tue)	0.111	0.228	0.172	0.00	0.00	0.00
5/7/2014 (Wed)	0.103	0.239	0.172	0.00	0.00	0.00
5/8/2014 (Thu)	0.101	0.254	0.163	0.00	0.00	0.00
5/9/2014 (Fri)	0.087	0.235	0.133	0.01	0.01	0.01
5/10/2014 (Sat)	0.081	0.233	0.129	0.35	0.29	<b>0.14</b>
5/11/2014 (Sun)	0.078	0.168	0.114	0.00	0.00	0.00
5/12/2014 (Mon)	0.080	0.297	0.143	0.00	0.00	0.00
5/13/2014 (Tue)	0.065	0.181	0.111	0.00	0.00	0.00
5/14/2014 (Wed)	0.057	0.231	0.120	0.00	0.00	0.00
5/15/2014 (Thu)	0.062	0.205	0.120	0.00	0.00	0.00
5/16/2014 (Fri)	0.051	0.177	0.116	0.21	0.14	0.07
5/17/2014 (Sat)	0.059	0.251	0.123	<b>0.67</b>	<b>0.38</b>	0.08
5/18/2014 (Sun)	<b>0.050</b>	0.176	0.094	0.00	0.00	0.00
5/19/2014 (Mon)	0.055	0.167	0.102	0.05	0.03	0.01
5/20/2014 (Tue)	0.055	0.177	0.108	0.00	0.00	0.00
5/21/2014 (Wed)	0.063	0.144	0.040	0.00	0.00	0.00
<b>Total for period</b>			5.690	3.67		
		<b>Min:</b>	0.050			
		<b>Avg:</b>	0.158			
		<b>Max:</b>	0.472			

# Flow Analysis Graph

Site:

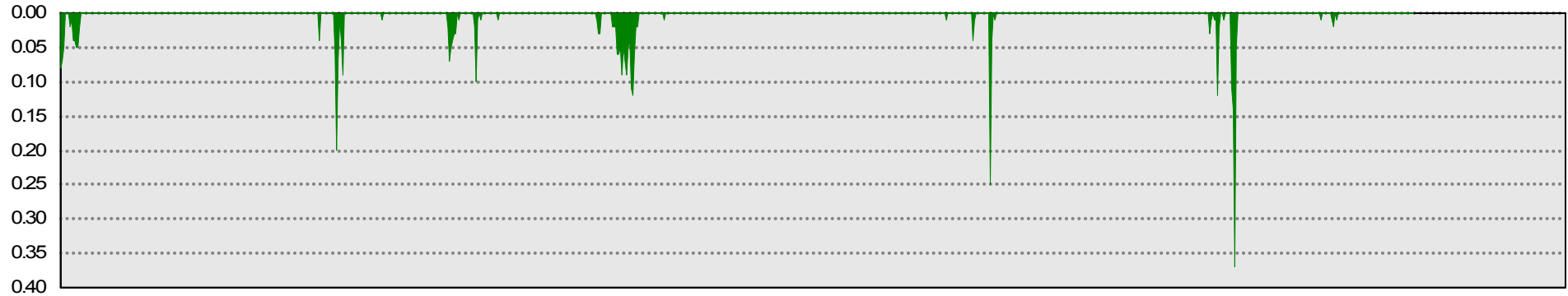
1

Beaver St. at Valley View Rd.

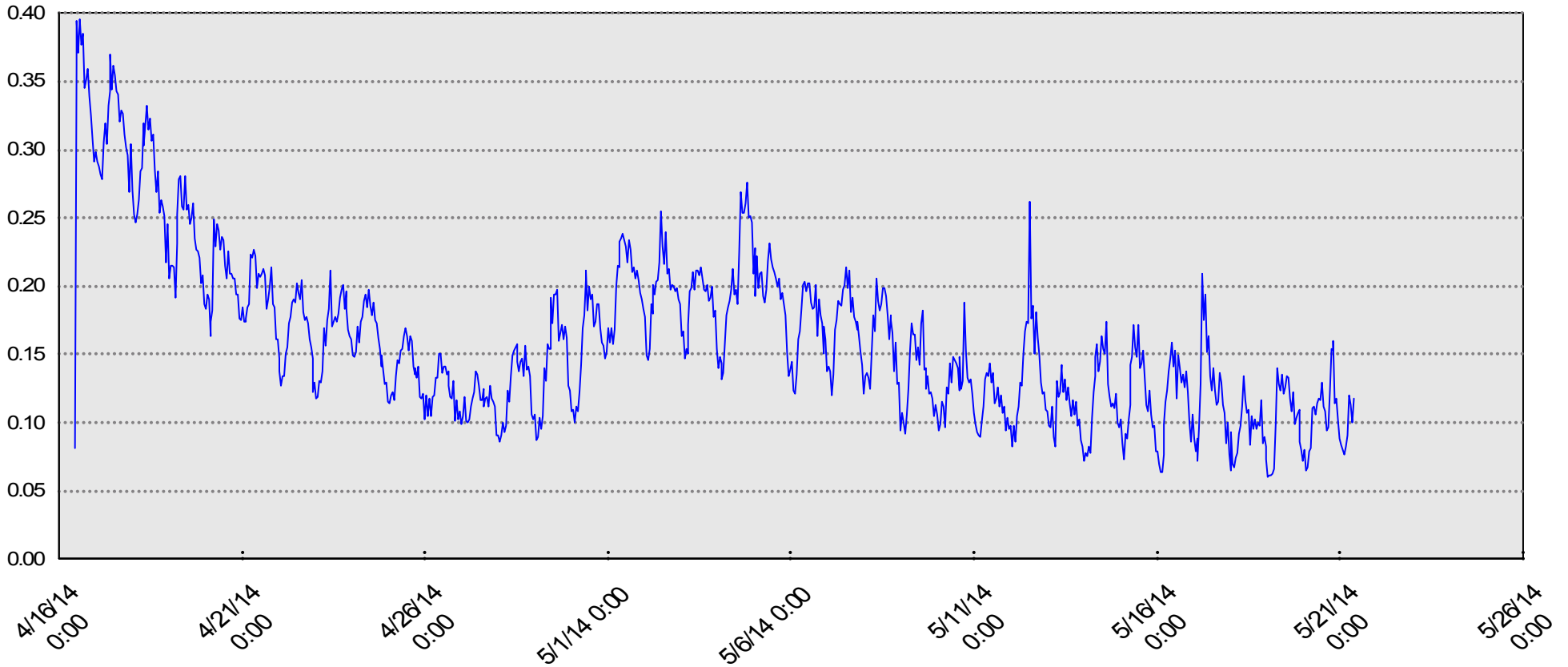
Waltham, MA

10" Circular line

Rain (in) Printed on: 6/4/2014 Period Covered: 04/16/2014 - 05/22/2014 Every 1 Hour



Flow (mgd)



# FLOW Assessment

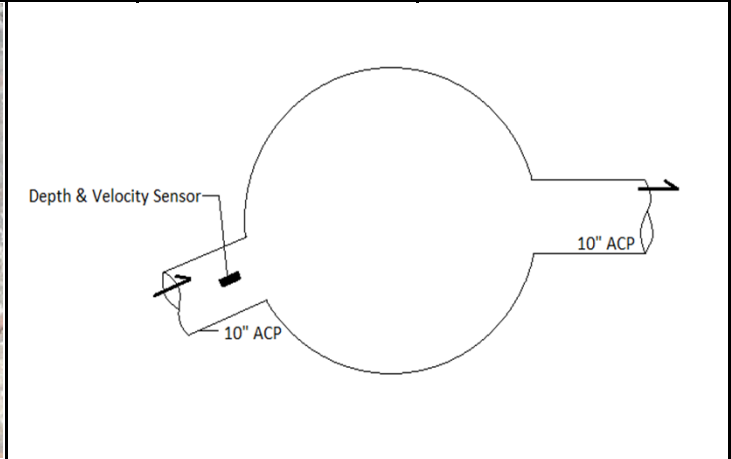
SERVICES L.L.C.

## METER SITE INFORMATION FIELD LOG

<b>PROJECT:</b> Waltham, MA	<b>DATE:</b> April 16, 2014	<b>TIME:</b>
<b>LOCATION:</b> Beaver Street at Valley View Road	<b>MH#:</b>	<b>METER SITE:</b> 1
<b>GPS/COMMENTS:</b> 42.384554, -71.231569		



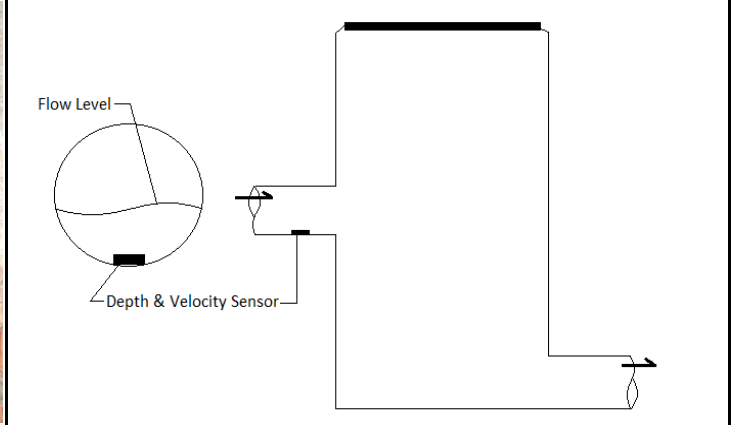
	Size (")	Material	Flow Depth (")	Debris	Shape	MH Depth
Incoming	10	ACP	3	0	Circular	06' 09"
Incoming						
Incoming						
Outgoing	10	ACP	6	0	Circular	09' 03"



### SURCHARGE INFORMATION

### WEIR INFORMATION

<b>SURCHARGE NONE EVIDENT:</b>	<b>LENGTH:</b>	<b>HEIGHT ABOVE WEIR:</b>
<b>SURCHARGED MARKS TO: 3'</b>	<b>BREADTH:</b>	<b>OVERFLOW OCCURS AT:</b>
<b>SURCHARGE CURRENTLY TO:</b>	<b>LEVEL:</b>	



# Summary Flow Report



Site:

2  
Beaver St. at Oakley Ln.

Waltham, MA

30" Circular line

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (in)	Peak Hourly Rain (in)	Peak Interval Rain (in)
4/16/2014 (Wed)	2.266	3.170	1.352	0.43	0.09	0.02
4/17/2014 (Thu)	1.910	<b>3.250</b>	<b>2.539</b>	0.00	0.00	0.00
4/18/2014 (Fri)	1.806	3.018	2.431	0.00	0.00	0.00
4/19/2014 (Sat)	1.782	2.991	2.336	0.00	0.00	0.00
4/20/2014 (Sun)	1.610	2.826	2.168	0.00	0.00	0.00
4/21/2014 (Mon)	1.606	2.562	2.112	0.00	0.00	0.00
4/22/2014 (Tue)	1.446	2.579	2.002	0.04	0.04	0.01
4/23/2014 (Wed)	1.466	2.517	2.086	0.47	0.23	0.03
4/24/2014 (Thu)	1.387	2.530	1.997	0.01	0.01	0.01
4/25/2014 (Fri)	1.309	2.538	1.904	0.00	0.00	0.00
4/26/2014 (Sat)	1.283	2.473	1.941	0.25	0.07	0.01
4/27/2014 (Sun)	1.355	2.532	1.965	0.15	0.10	0.02
4/28/2014 (Mon)	1.284	2.525	1.856	0.00	0.00	0.00
4/29/2014 (Tue)	1.215	2.618	1.799	0.00	0.00	0.00
4/30/2014 (Wed)	1.204	2.330	1.801	0.44	0.09	0.01
5/1/2014 (Thu)	1.435	2.921	2.250	0.58	0.13	0.03
5/2/2014 (Fri)	1.644	2.847	2.193	0.01	0.01	0.01
5/3/2014 (Sat)	1.503	2.652	2.103	0.00	0.00	0.00
5/4/2014 (Sun)	1.499	2.705	2.047	0.00	0.00	0.00
5/5/2014 (Mon)	1.416	2.544	1.936	0.00	0.00	0.00
5/6/2014 (Tue)	1.300	2.599	1.865	0.00	0.00	0.00
5/7/2014 (Wed)	1.295	2.369	1.793	0.00	0.00	0.00
5/8/2014 (Thu)	1.242	2.514	1.756	0.00	0.00	0.00
5/9/2014 (Fri)	1.256	2.231	1.732	0.01	0.01	0.01
5/10/2014 (Sat)	1.145	2.370	1.812	0.35	0.29	<b>0.14</b>
5/11/2014 (Sun)	1.323	2.397	1.823	0.00	0.00	0.00
5/12/2014 (Mon)	1.192	2.355	1.716	0.00	0.00	0.00
5/13/2014 (Tue)	1.150	2.349	1.663	0.00	0.00	0.00
5/14/2014 (Wed)	1.079	2.358	1.633	0.00	0.00	0.00
5/15/2014 (Thu)	<b>0.993</b>	2.200	1.577	0.00	0.00	0.00
5/16/2014 (Fri)	1.021	1.921	1.476	0.21	0.14	0.07
5/17/2014 (Sat)	1.022	2.399	1.750	<b>0.67</b>	<b>0.38</b>	0.08
5/18/2014 (Sun)	1.023	2.192	1.671	0.00	0.00	0.00
5/19/2014 (Mon)	1.144	2.269	1.653	0.05	0.03	0.01
5/20/2014 (Tue)	1.160	2.369	1.625	0.00	0.00	0.00
5/21/2014 (Wed)	1.067	2.292	0.650	0.00	0.00	0.00
<b>Total for period</b>			67.010	3.67		
	<b>Min:</b>	0.993				
	<b>Avg:</b>	1.861				
	<b>Max:</b>	3.250				



# Flow Analysis Graph

Site:

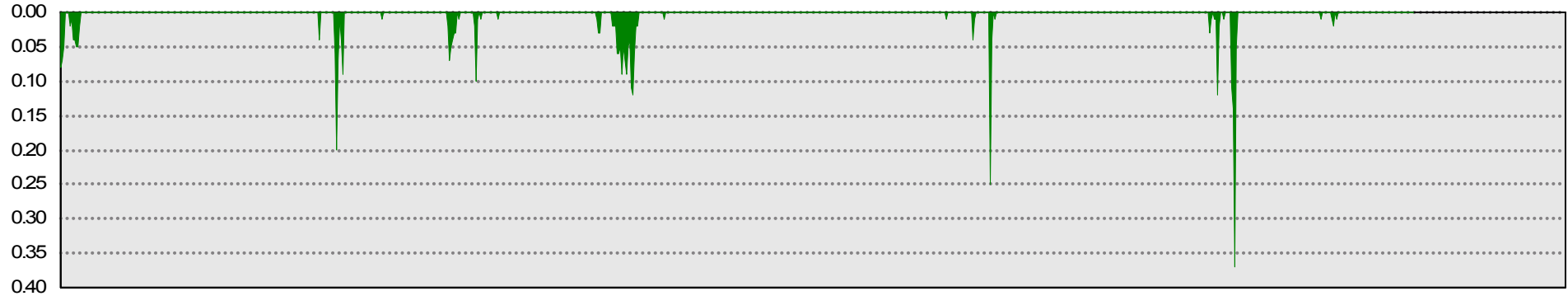
2

Beaver St. at Oakley Ln.

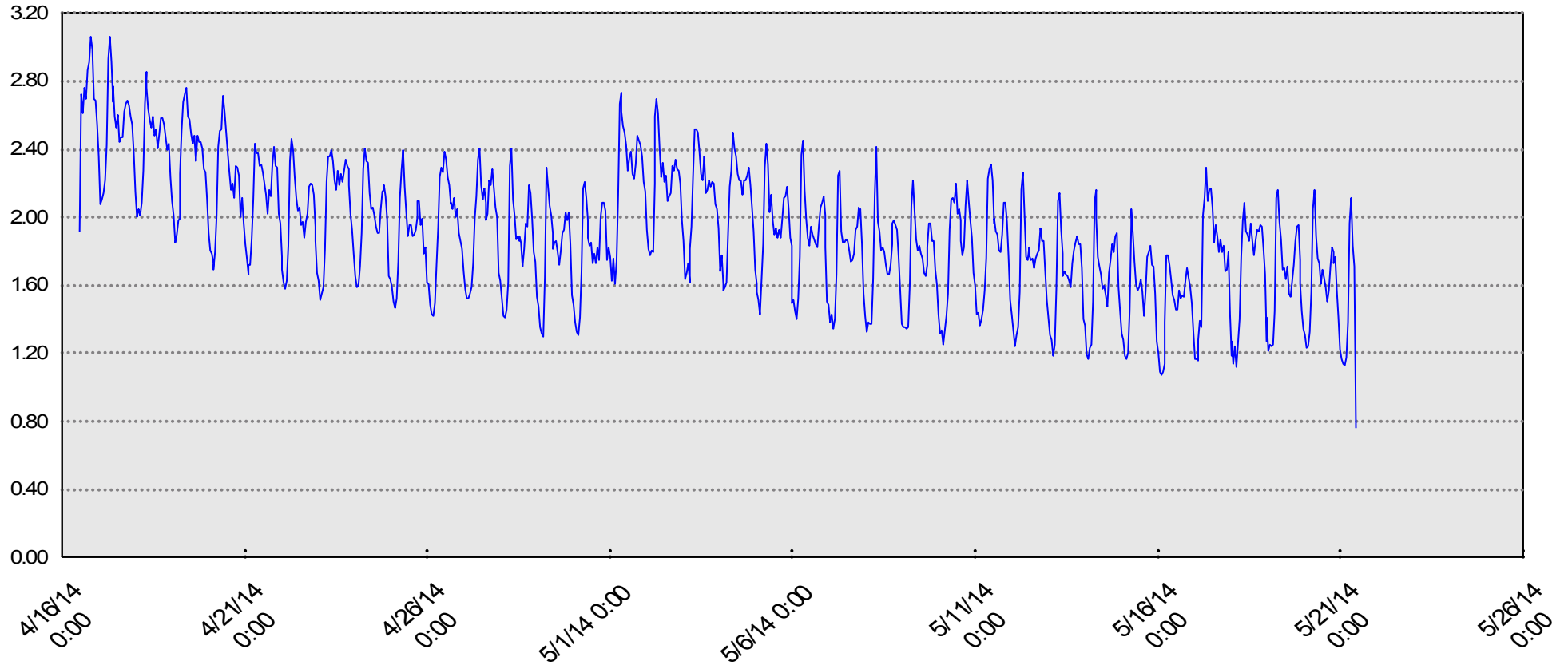
Waltham, MA

30" Circular line

Rain (in) Printed on: 6/4/2014 Period Covered: 04/16/2014 - 05/22/2014 Every 1 Hour



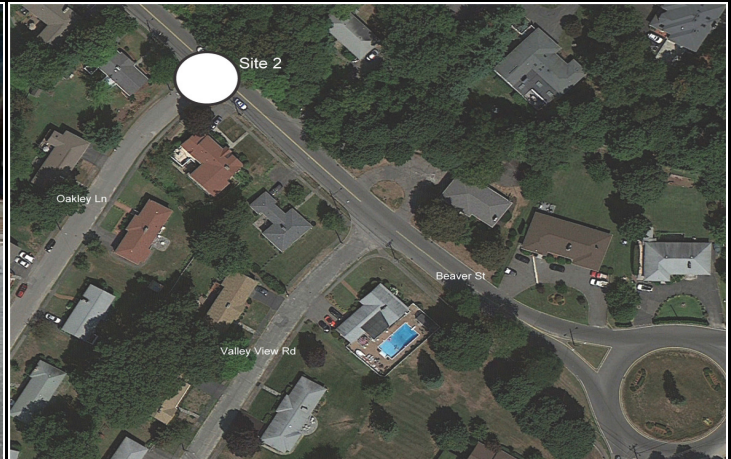
Flow (mgd)



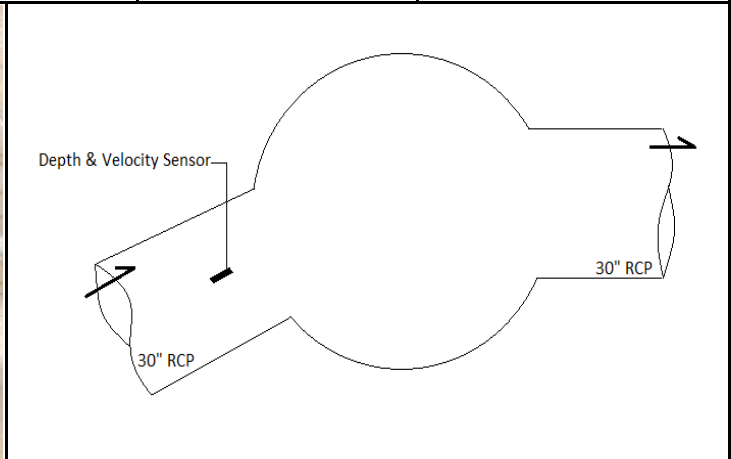
# FLOW Assessment SERVICES L.L.C.

## METER SITE INFORMATION FIELD LOG

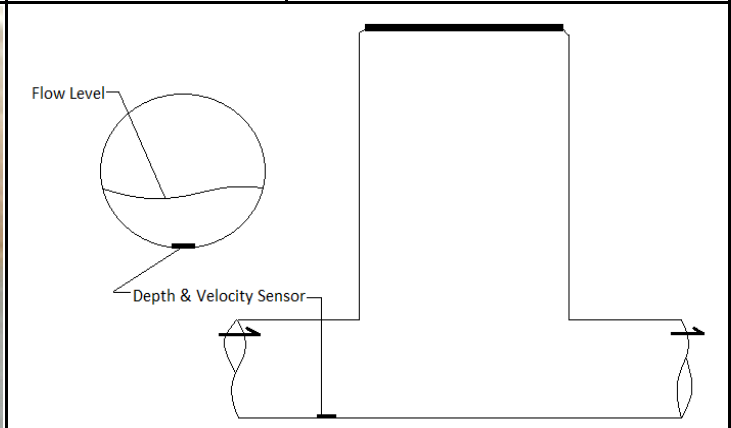
<b>PROJECT:</b> Waltham, MA	<b>DATE:</b> April 16, 2014	<b>TIME:</b>
<b>LOCATION:</b> Beaver Street at Oakley Lane	<b>MH#:</b>	<b>METER SITE:</b> 2
<b>GPS/COMMENTS:</b> 42.385061, -71.232189		



	Size (")	Material	Flow Depth (")	Debris	Shape	MH Depth
Incoming	30	RCP	11	0	Circular	10' 10"
Incoming						
Incoming						
Outgoing	30	RCP	11	0	Circular	11' 00"



SURCHARGE INFORMATION		WEIR INFORMATION	
<b>SURCHARGE NONE EVIDENT:</b> X	<b>LENGTH:</b>	<b>HEIGHT ABOVE WEIR:</b>	
<b>SURCHARGED MARKS TO:</b>	<b>BREADTH:</b>	<b>OVERFLOW OCCURS AT:</b>	
<b>SURCHARGE CURRENTLY TO:</b>	<b>LEVEL:</b>		



# Summary Flow Report



Site:

3

Middlesex Circle Easement

Waltham, MA

36" Circular line

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (in)	Peak Hourly Rain (in)	Peak Interval Rain (in)
4/16/2014 (Wed)	2.858	3.488	1.292	0.43	0.09	0.02
4/17/2014 (Thu)	2.393	<b>3.655</b>	<b>2.943</b>	0.00	0.00	0.00
4/18/2014 (Fri)	2.208	3.300	2.757	0.00	0.00	0.00
4/19/2014 (Sat)	2.075	3.167	2.607	0.00	0.00	0.00
4/20/2014 (Sun)	1.866	3.101	2.431	0.00	0.00	0.00
4/21/2014 (Mon)	1.829	2.857	2.383	0.00	0.00	0.00
4/22/2014 (Tue)	1.766	2.885	2.297	0.04	0.04	0.01
4/23/2014 (Wed)	1.697	2.913	2.377	0.47	0.23	0.03
4/24/2014 (Thu)	1.728	3.052	2.323	0.01	0.01	0.01
4/25/2014 (Fri)	1.679	2.776	2.283	0.00	0.00	0.00
4/26/2014 (Sat)	1.643	2.871	2.281	0.25	0.07	0.01
4/27/2014 (Sun)	1.759	2.931	2.373	0.15	0.10	0.02
4/28/2014 (Mon)	1.659	2.857	2.254	0.00	0.00	0.00
4/29/2014 (Tue)	1.605	2.781	2.188	0.00	0.00	0.00
4/30/2014 (Wed)	1.560	2.835	2.194	0.44	0.09	0.01
5/1/2014 (Thu)	2.036	3.448	2.620	0.58	0.13	0.03
5/2/2014 (Fri)	2.045	3.229	2.504	0.01	0.01	0.01
5/3/2014 (Sat)	1.969	3.231	2.405	0.00	0.00	0.00
5/4/2014 (Sun)	1.908	3.034	2.370	0.00	0.00	0.00
5/5/2014 (Mon)	1.649	2.816	2.246	0.00	0.00	0.00
5/6/2014 (Tue)	1.597	2.801	2.169	0.00	0.00	0.00
5/7/2014 (Wed)	1.550	2.992	2.095	0.00	0.00	0.00
5/8/2014 (Thu)	1.487	2.567	2.016	0.00	0.00	0.00
5/9/2014 (Fri)	1.475	2.514	1.996	0.01	0.01	0.01
5/10/2014 (Sat)	1.455	2.665	1.988	0.35	0.29	<b>0.14</b>
5/11/2014 (Sun)	1.501	2.512	1.993	0.00	0.00	0.00
5/12/2014 (Mon)	1.424	2.532	1.947	0.00	0.00	0.00
5/13/2014 (Tue)	1.414	2.574	1.934	0.00	0.00	0.00
5/14/2014 (Wed)	1.361	2.580	1.897	0.00	0.00	0.00
5/15/2014 (Thu)	1.340	2.457	1.870	0.00	0.00	0.00
5/16/2014 (Fri)	1.370	2.469	1.909	0.21	0.14	0.07
5/17/2014 (Sat)	1.381	2.810	2.069	<b>0.67</b>	<b>0.38</b>	0.08
5/18/2014 (Sun)	1.397	2.704	1.988	0.00	0.00	0.00
5/19/2014 (Mon)	1.326	2.572	1.909	0.05	0.03	0.01
5/20/2014 (Tue)	1.321	2.502	1.870	0.00	0.00	0.00
5/21/2014 (Wed)	<b>1.321</b>	2.633	0.681	0.00	0.00	0.00
<b>Total for period</b>			<b>77.458</b>	<b>3.67</b>		
	<b>Min:</b>	1.321				
	<b>Avg:</b>	2.152				
	<b>Max:</b>	3.655				

# Flow Analysis Graph

Site:

3

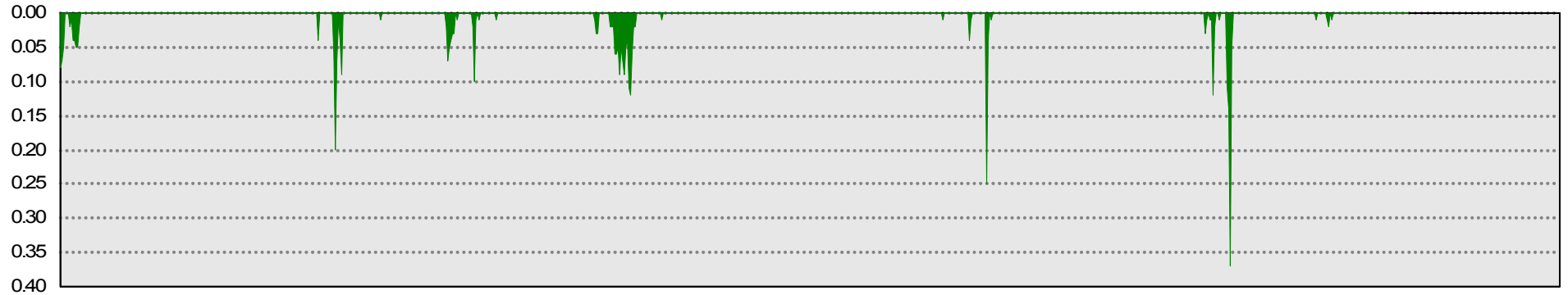
Middlesex Circle Easement

Waltham, MA

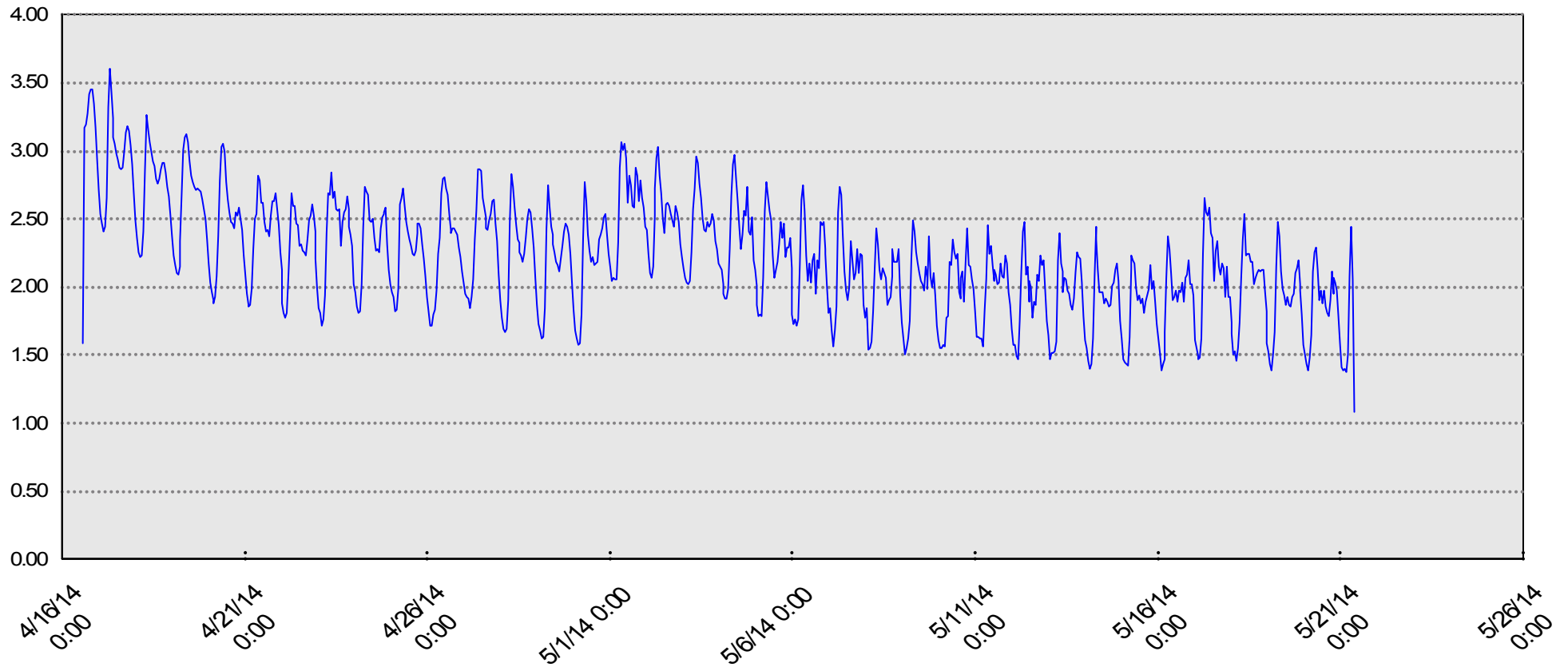
36" Circular line

Rain (in) Printed on: 6/4/2014

Period Covered: 04/16/2014 - 05/22/2014 Every 1 Hour



Flow (mgd)

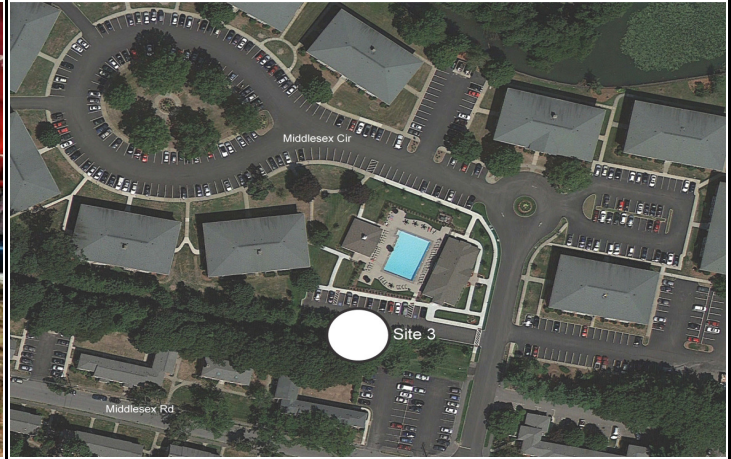


# FLOW Assessment

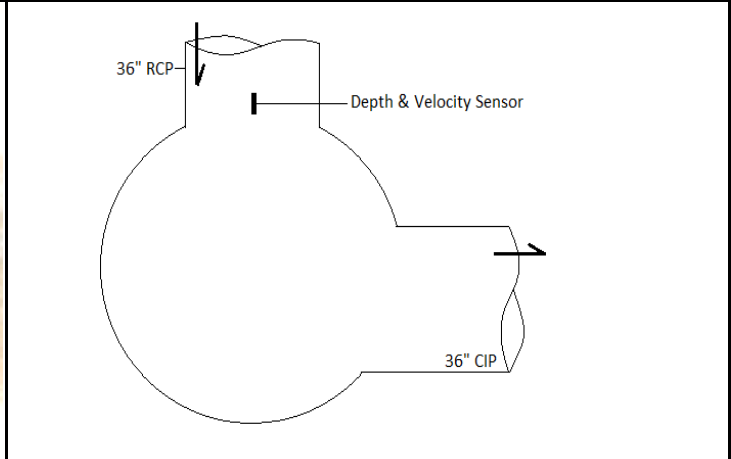
SERVICES L.L.C.

## METER SITE INFORMATION FIELD LOG

<b>PROJECT:</b> Waltham, MA	<b>DATE:</b> April 16, 2014	<b>TIME:</b>
<b>LOCATION:</b> Middlesex Circle Easement	<b>MH#:</b>	<b>METER SITE:</b> 3
<b>GPS/COMMENTS:</b> 42.380684, -71.224962		



	Size (")	Material	Flow Depth (")	Debris	Shape	MH Depth
Incoming	36	RCP	17.8	0	Circular	19' 11"
Incoming						
Incoming						
Outgoing	36	CIP	17.8	0	Circular	19' 11"

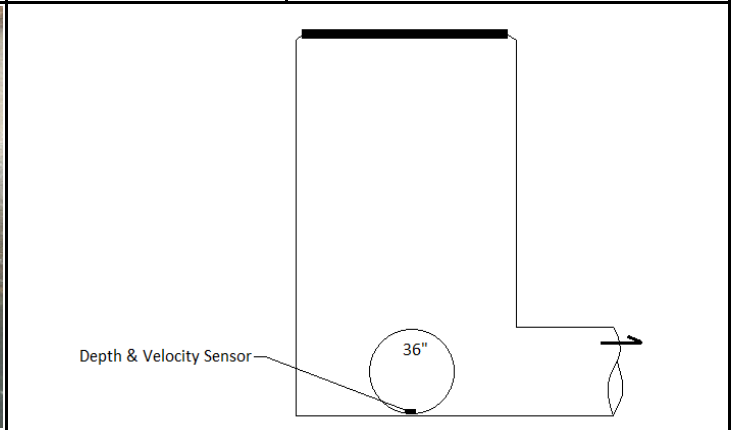


**SURCHARGE INFORMATION**

**SURCHARGE NONE EVIDENT:** X  
**SURCHARGED MARKS TO:**  
**SURCHARGE CURRENTLY TO:**

**WEIR INFORMATION**

**LENGTH:**  
**BREADTH:**  
**LEVEL:**  
**HEIGHT ABOVE WEIR:**  
**OVERFLOW OCCURS AT:**



**RAIN GAUGE SITE INFORMATION FIELD LOG**

<b>PROJECT:</b> Waltham, MA	<b>DATE:</b> March 4, 2014	<b>TIME:</b>
<b>LOCATION:</b> 169 Lexington Street		
<b>COMMENTS:</b> 42.382330, -71.235508		

**LOCATION**



# Daily Flow Report



Site:

1  
Beaver St. at Valley View Rd. Waltham, MA 10" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/16/2014</b>						12:30	3.20	3.97	0.386	0.031	
0:00					0.01	12:45	3.14	4.05	0.383	0.035	
0:15					0.02	13:00	3.05	3.93	0.357	0.039	
0:30					0.02	13:15	3.15	4.22	0.401	0.043	
0:45					0.03	13:30	3.13	3.37	0.318	0.046	
1:00					0.02	13:45	3.42	3.85	0.410	0.050	
1:15					0.01	14:00	2.93	4.00	0.343	0.054	
1:30					0.01	14:15	3.28	4.02	0.404	0.058	
1:45					0.03	14:30	3.25	4.10	0.408	0.062	
2:00					0.02	14:45	3.39	4.04	0.425	0.067	
2:15					0.02	15:00	3.04	4.09	0.371	0.071	
2:30					0.01	15:15	3.12	3.46	0.325	0.074	
2:45						15:30	3.12	4.00	0.375	0.078	
3:00						15:45	3.49	3.97	0.435	0.083	
3:15						16:00	2.98	3.98	0.350	0.086	
3:30						16:15	3.61	4.11	0.472	0.091	
3:45						16:30	3.04	3.50	0.318	0.094	
4:00						16:45	3.20	4.13	0.401	0.099	
4:15						17:00	2.96	3.83	0.334	0.102	
4:30						17:15	2.83	3.73	0.305	0.105	
4:45						17:30	3.19	3.87	0.374	0.109	
5:00						17:45	3.01	4.12	0.367	0.113	
5:15						18:00	3.13	3.71	0.349	0.117	
5:30						18:15	3.00	3.87	0.344	0.120	
5:45						18:30	3.03	4.05	0.364	0.124	
6:00						18:45	2.97	3.97	0.349	0.128	
6:15					0.01	19:00	3.38	3.73	0.391	0.132	
6:30						19:15	2.93	3.91	0.336	0.135	
6:45					0.01	19:30	3.16	3.80	0.362	0.139	
7:00						19:45	2.98	3.95	0.348	0.143	
7:15					0.01	20:00	2.92	4.14	0.354	0.146	
7:30						20:15	2.91	3.92	0.334	0.150	
7:45						20:30	2.88	3.81	0.319	0.153	
8:00						20:45	3.04	3.87	0.350	0.157	
8:15					0.01	21:00	2.76	3.74	0.296	0.160	
8:30					0.01	21:15	2.96	3.94	0.344	0.163	
8:45					0.02	21:30	2.84	3.88	0.320	0.167	
9:00						21:45	2.93	3.99	0.343	0.170	
9:15					0.02	22:00	2.82	3.81	0.311	0.174	
9:30					0.01	22:15	2.83	3.91	0.321	0.177	
9:45					0.01	22:30	2.75	3.67	0.288	0.180	
10:00					0.01	22:45	2.79	3.86	0.310	0.183	
10:15					0.02	23:00	2.71	3.56	0.274	0.186	
10:30					0.01	23:15	2.77	3.68	0.293	0.189	
10:45	2.92	3.78	0.325	0.003	0.01	23:30	2.97	3.72	0.326	0.192	
11:00	3.09	4.03	0.374	0.007	0.02	23:45	2.68	3.56	0.271	0.195	
11:15	3.23	3.81	0.374	0.011	0.01	<b>Daily Totals:</b>		0.271		<b>0.195</b>	<b>0.43</b>
11:30	3.13	3.80	0.359	0.015	0.01	<b>Data reported every:</b>	15 Minutes				
11:45	2.95	3.90	0.339	0.018	0.01						
12:00	3.29	3.97	0.402	0.023	0.01						
12:15	3.28	4.06	0.409	0.027	0.01						

# Daily Flow Report



Site:

1  
Beaver St. at Valley View Rd. Waltham, MA 10" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/17/2014</b>						12:30	2.92	3.85	0.330	0.168	
0:00	2.90	3.85	0.327	0.003		12:45	3.08	3.99	0.368	0.172	
0:15	2.67	3.65	0.275	0.006		13:00	3.04	3.82	0.346	0.175	
0:30	2.91	3.53	0.300	0.009		13:15	3.15	3.88	0.370	0.179	
0:45	2.67	3.84	0.290	0.012		13:30	3.28	3.93	0.395	0.183	
1:00	2.76	3.80	0.301	0.016		13:45	2.78	3.85	0.308	0.186	
1:15	2.75	3.69	0.290	0.019		14:00	2.88	3.88	0.326	0.190	
1:30	2.66	3.66	0.275	0.021		14:15	2.92	3.76	0.322	0.193	
1:45	2.80	3.74	0.301	0.025		14:30	3.12	3.84	0.360	0.197	
2:00	2.67	3.65	0.276	0.027		14:45	3.02	4.03	0.361	0.201	
2:15	2.82	3.56	0.291	0.030		15:00	3.11	3.90	0.365	0.204	
2:30	2.74	3.45	0.270	0.033		15:15	2.82	3.76	0.307	0.208	
2:45	2.91	3.69	0.314	0.037		15:30	2.89	3.73	0.315	0.211	
3:00	2.70	3.69	0.283	0.040		15:45	3.16	3.94	0.376	0.215	
3:15	2.78	3.68	0.295	0.043		16:00	2.85	3.60	0.299	0.218	
3:30	2.62	3.37	0.248	0.045		16:15	3.25	3.91	0.388	0.222	
3:45	2.89	3.59	0.302	0.048		16:30	2.77	3.59	0.286	0.225	
4:00	2.83	3.52	0.288	0.051		16:45	2.81	3.84	0.311	0.228	
4:15	2.69	3.36	0.257	0.054		17:00	2.89	3.72	0.313	0.231	
4:30	2.93	3.61	0.310	0.057		17:15	2.82	3.69	0.300	0.235	
4:45	2.67	3.43	0.259	0.060		17:30	3.46	3.75	0.407	0.239	
5:00	2.97	3.81	0.334	0.063		17:45	2.85	3.56	0.294	0.242	
5:15	2.73	3.74	0.292	0.066		18:00	3.09	3.89	0.360	0.246	
5:30	2.81	3.57	0.290	0.069		18:15	2.82	3.62	0.295	0.249	
5:45	2.78	3.85	0.308	0.073		18:30	2.88	3.62	0.305	0.252	
6:00	2.77	3.76	0.299	0.076		18:45	3.10	3.75	0.348	0.256	
6:15	3.09	3.92	0.362	0.080		19:00	2.79	3.76	0.302	0.259	
6:30	2.76	3.57	0.282	0.082		19:15	3.13	3.91	0.370	0.263	
6:45	2.99	3.77	0.334	0.086		19:30	2.73	3.53	0.275	0.265	
7:00	2.69	3.61	0.276	0.089		19:45	2.79	3.73	0.299	0.268	
7:15	2.74	3.82	0.299	0.092		20:00	2.83	3.72	0.305	0.272	
7:30	2.88	3.79	0.319	0.095		20:15	2.80	3.68	0.297	0.275	
7:45	2.86	3.83	0.319	0.099		20:30	2.95	3.62	0.315	0.278	
8:00	3.05	3.67	0.334	0.102		20:45	2.76	3.66	0.289	0.281	
8:15	2.95	3.90	0.339	0.106		21:00	2.89	3.65	0.308	0.284	
8:30	3.03	3.74	0.337	0.109		21:15	2.74	3.31	0.260	0.287	
8:45	2.86	3.82	0.318	0.112		21:30	2.80	3.76	0.304	0.290	
9:00	2.95	3.86	0.335	0.116		21:45	2.92	3.64	0.312	0.293	
9:15	2.97	4.02	0.352	0.120		22:00	2.65	3.48	0.260	0.296	
9:30	2.90	3.91	0.331	0.123		22:15	2.73	3.51	0.274	0.299	
9:45	3.06	3.85	0.352	0.127		22:30	2.66	3.56	0.267	0.302	
10:00	2.88	3.84	0.323	0.130		22:45	2.68	3.59	0.272	0.305	
10:15	3.10	4.06	0.378	0.134		23:00	2.82	3.84	0.313	0.308	
10:30	3.37	4.14	0.432	0.139		23:15	2.80	3.78	0.306	0.311	
10:45	2.98	3.97	0.349	0.142		23:30	2.82	3.86	0.316	0.314	
11:00	2.88	3.90	0.327	0.146		23:45	2.70	3.70	0.284	0.317	
11:15	2.84	3.77	0.310	0.149		<b>Daily Totals:</b>		0.284		0.317	0.00
11:30	3.22	4.14	0.405	0.153		<b>Data reported every:</b>	15 Minutes				
11:45	2.93	3.87	0.334	0.156							
12:00	3.26	4.01	0.399	0.161							
12:15	2.96	4.01	0.350	0.164							



# Daily Flow Report



Site:

1  
Beaver St. at Valley View Rd. Waltham, MA 10" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/18/2014</b>						12:30	2.92	3.71	0.318	0.153	
0:00	2.55	3.04	0.216	0.002		12:45	2.90	3.86	0.328	0.157	
0:15	2.78	3.76	0.301	0.005		13:00	2.90	3.83	0.325	0.160	
0:30	2.66	3.45	0.259	0.008		13:15	2.76	3.68	0.292	0.163	
0:45	2.77	3.83	0.305	0.011		13:30	2.84	3.78	0.312	0.167	
1:00	2.67	3.67	0.278	0.014		13:45	2.75	3.79	0.299	0.170	
1:15	2.55	2.94	0.208	0.016		14:00	2.96	3.80	0.331	0.173	
1:30	2.73	3.38	0.263	0.019		14:15	2.65	3.69	0.276	0.176	
1:45	2.63	3.54	0.262	0.022		14:30	2.94	3.71	0.321	0.179	
2:00	2.82	3.76	0.307	0.025		14:45	2.97	3.60	0.316	0.183	
2:15	2.53	2.99	0.209	0.027		15:00	2.75	3.61	0.284	0.186	
2:30	2.55	3.04	0.215	0.029		15:15	2.97	3.73	0.327	0.189	
2:45	2.60	3.49	0.254	0.032		15:30	2.65	3.59	0.269	0.192	
3:00	2.51	3.04	0.210	0.034		15:45	2.64	3.49	0.260	0.194	
3:15	2.86	3.64	0.303	0.037		16:00	2.70	3.51	0.270	0.197	
3:30	2.53	3.17	0.222	0.040		16:15	2.58	3.51	0.252	0.200	
3:45	2.64	3.67	0.273	0.043		16:30	2.84	3.59	0.297	0.203	
4:00	2.63	3.40	0.251	0.045		16:45	2.64	3.44	0.256	0.206	
4:15	2.75	3.66	0.288	0.048		17:00	2.64	3.60	0.268	0.208	
4:30	2.83	3.64	0.299	0.051		17:15	2.75	3.86	0.303	0.212	
4:45	2.58	2.98	0.214	0.054		17:30	2.70	3.71	0.284	0.215	
5:00	2.68	3.54	0.269	0.056		17:45	2.68	3.68	0.280	0.217	
5:15	2.60	3.52	0.257	0.059		18:00	2.58	3.20	0.231	0.220	
5:30	2.73	3.69	0.287	0.062		18:15	2.57	3.54	0.253	0.223	
5:45	2.84	3.90	0.321	0.065		18:30	2.73	3.37	0.263	0.225	
6:00	2.80	3.66	0.296	0.068		18:45	2.62	3.64	0.267	0.228	
6:15	2.65	3.80	0.284	0.071		19:00	2.53	3.56	0.249	0.231	
6:30	2.78	3.62	0.289	0.074		19:15	2.51	3.62	0.252	0.233	
6:45	2.73	3.53	0.275	0.077		19:30	2.53	3.60	0.253	0.236	
7:00	3.10	3.93	0.366	0.081		19:45	2.77	3.79	0.301	0.239	
7:15	2.81	3.59	0.292	0.084		20:00	2.49	3.34	0.229	0.241	
7:30	2.71	3.72	0.287	0.087		20:15	2.56	3.80	0.271	0.244	
7:45	2.90	3.90	0.331	0.091		20:30	2.66	3.72	0.280	0.247	
8:00	2.78	3.39	0.271	0.093		20:45	2.53	3.61	0.253	0.250	
8:15	2.98	3.76	0.332	0.097		21:00	2.54	3.50	0.247	0.252	
8:30	2.71	3.74	0.289	0.100		21:15	2.49	3.62	0.248	0.255	
8:45	2.83	3.89	0.319	0.103		21:30	2.49	3.36	0.231	0.257	
9:00	2.78	3.66	0.292	0.106		21:45	2.66	3.75	0.282	0.260	
9:15	2.76	3.81	0.301	0.109		22:00	2.55	3.52	0.250	0.263	
9:30	3.14	4.01	0.380	0.113		22:15	2.45	3.11	0.209	0.265	
9:45	2.78	3.69	0.295	0.116		22:30	2.53	3.35	0.235	0.267	
10:00	2.85	3.77	0.312	0.120		22:45	2.41	2.68	0.175	0.269	
10:15	2.89	3.59	0.303	0.123		23:00	2.71	3.65	0.282	0.272	
10:30	2.92	3.93	0.337	0.126		23:15	2.39	3.05	0.197	0.274	
10:45	3.17	3.96	0.379	0.130		23:30	2.59	3.24	0.235	0.277	
11:00	2.88	3.79	0.319	0.134		23:45	2.69	3.50	0.267	0.280	
11:15	2.97	3.71	0.326	0.137		<b>Daily Totals:</b>		0.267		<b>0.280</b>	<b>0.00</b>
11:30	2.85	3.68	0.304	0.140		<b>Data reported every:</b>	15 Minutes				
11:45	2.86	3.73	0.311	0.143							
12:00	3.09	3.78	0.350	0.147							
12:15	2.77	3.74	0.298	0.150							

# Daily Flow Report



Site:

1  
Beaver St. at Valley View Rd. Waltham, MA 10" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/19/2014</b>						12:30	2.56	3.70	0.263	0.128	
0:00	2.56	3.32	0.236	0.002		12:45	2.54	3.48	0.245	0.131	
0:15	2.46	2.88	0.194	0.004		13:00	2.67	3.68	0.278	0.134	
0:30	2.49	2.74	0.187	0.006		13:15	2.52	3.56	0.249	0.136	
0:45	2.45	3.05	0.204	0.009		13:30	2.44	3.36	0.224	0.138	
1:00	2.67	3.52	0.266	0.011		13:45	2.65	3.85	0.287	0.141	
1:15	2.39	2.54	0.164	0.013		14:00	2.51	3.48	0.241	0.144	
1:30	2.42	2.60	0.171	0.015		14:15	2.49	3.61	0.247	0.147	
1:45	2.64	3.50	0.260	0.018		14:30	2.50	3.67	0.253	0.149	
2:00	2.43	2.52	0.167	0.019		14:45	2.50	3.48	0.240	0.152	
2:15	2.72	3.62	0.282	0.022		15:00	2.64	3.49	0.260	0.154	
2:30	2.43	2.69	0.179	0.024		15:15	2.49	3.50	0.241	0.157	
2:45	2.56	3.25	0.231	0.026		15:30	2.47	3.41	0.231	0.159	
3:00	2.64	3.55	0.264	0.029		15:45	2.67	3.59	0.272	0.162	
3:15	2.53	3.09	0.216	0.031		16:00	2.53	3.62	0.254	0.165	
3:30	2.38	2.63	0.170	0.033		16:15	2.57	3.31	0.237	0.167	
3:45	2.51	2.95	0.204	0.035		16:30	2.72	3.72	0.290	0.170	
4:00	2.38	2.54	0.163	0.037		16:45	2.58	3.63	0.262	0.173	
4:15	2.62	3.36	0.248	0.040		17:00	2.51	3.55	0.246	0.176	
4:30	2.40	2.70	0.176	0.041		17:15	2.45	3.50	0.235	0.178	
4:45	2.45	2.66	0.178	0.043		17:30	2.42	3.22	0.212	0.180	
5:00	2.73	3.58	0.280	0.046		17:45	2.49	3.62	0.249	0.183	
5:15	2.36	2.68	0.170	0.048		18:00	2.39	3.08	0.200	0.185	
5:30	2.60	3.30	0.240	0.051		18:15	2.42	2.98	0.197	0.187	
5:45	2.54	3.34	0.235	0.053		18:30	2.75	3.55	0.279	0.190	
6:00	2.56	3.47	0.246	0.056		18:45	2.48	3.37	0.230	0.192	
6:15	2.70	3.76	0.289	0.059		19:00	2.48	3.54	0.241	0.195	
6:30	2.55	3.37	0.239	0.061		19:15	2.63	3.47	0.256	0.197	
6:45	2.57	3.31	0.237	0.064		19:30	2.42	3.36	0.221	0.200	
7:00	2.86	3.78	0.314	0.067		19:45	2.34	2.91	0.183	0.202	
7:15	2.56	3.64	0.259	0.069		20:00	2.54	3.45	0.243	0.204	
7:30	2.61	3.73	0.273	0.072		20:15	2.35	2.93	0.185	0.206	
7:45	2.61	3.69	0.270	0.075		20:30	2.37	3.16	0.202	0.208	
8:00	2.58	3.59	0.258	0.078		20:45	2.52	3.65	0.255	0.211	
8:15	2.86	3.71	0.309	0.081		21:00	2.47	3.68	0.249	0.213	
8:30	2.63	3.54	0.262	0.084		21:15	2.36	3.02	0.192	0.215	
8:45	2.74	3.73	0.293	0.087		21:30	2.29	2.93	0.178	0.217	
9:00	2.69	3.52	0.269	0.090		21:45	2.32	3.04	0.189	0.219	
9:15	2.49	3.50	0.241	0.092		22:00	2.43	3.24	0.214	0.221	
9:30	2.56	3.72	0.264	0.095		22:15	2.33	3.08	0.192	0.223	
9:45	2.61	3.53	0.258	0.098		22:30	2.29	2.75	0.167	0.225	
10:00	2.52	3.46	0.241	0.100		22:45	2.53	3.69	0.258	0.228	
10:15	2.67	3.61	0.273	0.103		23:00	2.26	2.92	0.175	0.230	
10:30	2.51	3.38	0.235	0.105		23:15	2.29	2.81	0.171	0.231	
10:45	2.66	3.68	0.277	0.108		23:30	2.54	3.55	0.250	0.234	
11:00	2.67	3.73	0.281	0.111		23:45	2.25	2.54	0.151	0.236	
11:15	2.67	3.79	0.287	0.114		<b>Daily Totals:</b>		0.151		<b>0.236</b>	<b>0.00</b>
11:30	2.49	3.66	0.251	0.117		<b>Data reported every:</b>	15 Minutes				
11:45	2.79	3.78	0.304	0.120							
12:00	2.51	3.51	0.243	0.122							
12:15	2.65	3.68	0.275	0.125							

# Daily Flow Report



Site:

1  
Beaver St. at Valley View Rd. Waltham, MA 10" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/20/2014</b>						12:30	2.37	3.30	0.211	0.112	
0:00	2.22	2.84	0.166	0.002		12:45	2.56	3.33	0.237	0.114	
0:15	2.52	3.25	0.226	0.004		13:00	2.28	3.00	0.181	0.116	
0:30	2.27	3.01	0.181	0.006		13:15	2.41	3.35	0.219	0.119	
0:45	2.21	2.76	0.160	0.008		13:30	2.51	3.51	0.243	0.121	
1:00	2.57	3.43	0.245	0.010		13:45	2.42	3.27	0.216	0.123	
1:15	2.25	2.77	0.165	0.012		14:00	2.32	2.85	0.177	0.125	
1:30	2.29	2.54	0.154	0.014		14:15	2.62	3.58	0.263	0.128	
1:45	2.48	3.13	0.213	0.016		14:30	2.33	2.91	0.182	0.130	
2:00	2.32	2.95	0.183	0.018		14:45	2.42	3.06	0.202	0.132	
2:15	2.20	2.69	0.154	0.019		15:00	2.54	3.35	0.236	0.134	
2:30	2.60	3.47	0.252	0.022		15:15	2.41	3.31	0.217	0.137	
2:45	2.30	2.83	0.173	0.024		15:30	2.35	3.07	0.194	0.139	
3:00	2.37	2.70	0.173	0.025		15:45	2.60	3.55	0.258	0.141	
3:15	2.37	2.45	0.156	0.027		16:00	2.26	2.84	0.170	0.143	
3:30	2.33	2.63	0.164	0.029		16:15	2.35	3.32	0.210	0.145	
3:45	2.24	2.74	0.162	0.031		16:30	2.59	3.53	0.256	0.148	
4:00	2.38	2.87	0.184	0.032		16:45	2.37	3.13	0.200	0.150	
4:15	2.26	2.92	0.174	0.034		17:00	2.29	2.98	0.181	0.152	
4:30	2.36	2.65	0.168	0.036		17:15	2.91	3.37	0.287	0.155	
4:45	2.27	2.80	0.168	0.038		17:30	2.33	3.05	0.190	0.157	
5:00	2.36	2.67	0.169	0.039		17:45	2.27	2.98	0.179	0.159	
5:15	2.23	2.95	0.173	0.041		18:00	2.49	3.35	0.230	0.161	
5:30	2.43	3.19	0.211	0.043		18:15	2.30	3.09	0.189	0.163	
5:45	2.24	2.95	0.174	0.045		18:30	2.33	3.06	0.191	0.165	
6:00	2.59	3.55	0.257	0.048		18:45	2.45	3.18	0.213	0.167	
6:15	2.48	3.33	0.227	0.050		19:00	2.33	3.19	0.199	0.170	
6:30	2.54	3.64	0.256	0.053		19:15	2.30	3.17	0.194	0.172	
6:45	2.59	3.56	0.257	0.056		19:30	2.51	3.37	0.234	0.174	
7:00	2.48	3.33	0.226	0.058		19:45	2.33	3.13	0.195	0.176	
7:15	2.41	3.18	0.208	0.060		20:00	2.34	3.12	0.195	0.178	
7:30	2.66	3.61	0.272	0.063		20:15	2.40	3.22	0.210	0.180	
7:45	2.41	3.20	0.209	0.065		20:30	2.31	3.12	0.192	0.182	
8:00	2.55	3.48	0.247	0.068		20:45	2.24	3.00	0.176	0.184	
8:15	2.57	3.50	0.251	0.070		21:00	2.45	3.27	0.219	0.186	
8:30	2.53	3.46	0.243	0.073		21:15	2.23	2.99	0.176	0.188	
8:45	2.55	3.39	0.240	0.075		21:30	2.19	3.14	0.179	0.190	
9:00	2.66	3.47	0.260	0.078		21:45	2.38	3.17	0.203	0.192	
9:15	2.52	3.39	0.236	0.081		22:00	2.19	2.98	0.170	0.194	
9:30	2.42	3.35	0.220	0.083		22:15	2.15	2.97	0.166	0.196	
9:45	2.57	3.44	0.247	0.085		22:30	2.34	3.21	0.202	0.198	
10:00	2.41	3.19	0.208	0.088		22:45	2.16	3.00	0.168	0.199	
10:15	2.35	3.07	0.194	0.090		23:00	2.17	3.00	0.170	0.201	
10:30	2.62	3.69	0.271	0.092		23:15	2.36	3.18	0.202	0.203	
10:45	2.48	3.42	0.233	0.095		23:30	2.14	2.93	0.162	0.205	
11:00	2.40	3.44	0.224	0.097		23:45	2.16	3.04	0.170	0.207	
11:15	2.58	3.67	0.264	0.100		<b>Daily Totals:</b>		0.170		<b>0.207</b>	<b>0.00</b>
11:30	2.46	3.48	0.234	0.102		<b>Data reported every:</b>	15 Minutes				
11:45	2.46	3.32	0.223	0.105							
12:00	2.51	3.52	0.243	0.107							
12:15	2.48	3.57	0.243	0.110							

# Daily Flow Report



Site:

1  
Beaver St. at Valley View Rd. Waltham, MA 10" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/21/2014</b>						12:30	2.45	3.19	0.213	0.106	
0:00	2.31	3.02	0.186	0.002		12:45	2.52	3.12	0.218	0.108	
0:15	2.21	2.95	0.171	0.004		13:00	2.48	3.11	0.212	0.110	
0:30	2.19	3.10	0.177	0.006		13:15	2.48	3.01	0.206	0.112	
0:45	2.42	3.10	0.204	0.008		13:30	2.48	3.09	0.211	0.114	
1:00	2.16	2.99	0.167	0.009		13:45	2.50	3.00	0.206	0.117	
1:15	2.22	2.87	0.167	0.011		14:00	2.39	2.96	0.192	0.119	
1:30	2.35	3.03	0.191	0.013		14:15	2.51	3.16	0.219	0.121	
1:45	2.22	2.91	0.170	0.015		14:30	2.47	3.18	0.215	0.123	
2:00	2.15	3.02	0.168	0.017		14:45	2.61	3.08	0.225	0.125	
2:15	2.38	3.01	0.194	0.019		15:00	2.51	3.13	0.217	0.128	
2:30	2.15	2.94	0.164	0.020		15:15	2.65	3.18	0.238	0.130	
2:45	2.17	3.02	0.170	0.022		15:30	2.48	2.98	0.203	0.132	
3:00	2.35	2.88	0.182	0.024		15:45	2.21	2.99	0.173	0.134	
3:15	2.18	2.94	0.167	0.026		16:00	2.28	3.14	0.191	0.136	
3:30	2.23	2.90	0.170	0.028		16:15	2.25	3.06	0.182	0.138	
3:45	2.36	2.91	0.185	0.029		16:30	2.16	3.02	0.169	0.140	
4:00	2.26	2.88	0.173	0.031		16:45	2.27	3.24	0.194	0.142	
4:15	2.18	2.98	0.169	0.033		17:00	2.21	3.12	0.180	0.144	
4:30	2.56	3.29	0.234	0.036		17:15	2.16	3.13	0.176	0.145	
4:45	2.20	2.86	0.164	0.037		17:30	2.48	3.20	0.218	0.148	
5:00	2.26	2.92	0.174	0.039		17:45	2.24	3.15	0.186	0.150	
5:15	2.47	3.11	0.211	0.041		18:00	2.67	2.93	0.222	0.152	
5:30	2.30	3.00	0.183	0.043		18:15	2.48	3.31	0.226	0.154	
5:45	2.25	3.04	0.181	0.045		18:30	2.14	3.05	0.168	0.156	
6:00	2.44	3.15	0.210	0.047		18:45	2.30	3.01	0.184	0.158	
6:15	2.58	2.89	0.208	0.049		19:00	2.39	3.34	0.216	0.160	
6:30	2.50	3.06	0.211	0.052		19:15	2.39	3.27	0.211	0.162	
6:45	2.75	3.38	0.266	0.054		19:30	2.32	3.18	0.197	0.164	
7:00	2.49	2.98	0.204	0.056		19:45	2.52	3.30	0.229	0.167	
7:15	2.47	3.03	0.205	0.059		20:00	2.26	3.03	0.181	0.169	
7:30	2.63	3.23	0.239	0.061		20:15	2.26	2.97	0.177	0.171	
7:45	2.61	3.25	0.237	0.064		20:30	2.45	3.14	0.211	0.173	
8:00	2.43	2.97	0.196	0.066		20:45	2.21	3.12	0.181	0.175	
8:15	2.75	3.41	0.268	0.068		21:00	2.31	3.13	0.193	0.177	
8:30	2.46	3.06	0.206	0.071		21:15	2.38	3.27	0.211	0.179	
8:45	2.59	3.29	0.238	0.073		21:30	2.16	3.02	0.169	0.181	
9:00	2.64	3.19	0.238	0.075		21:45	2.13	2.98	0.163	0.182	
9:15	2.58	3.19	0.230	0.078		22:00	2.19	2.99	0.170	0.184	
9:30	2.46	3.10	0.209	0.080		22:15	2.14	2.96	0.164	0.186	
9:45	2.48	3.10	0.211	0.082		22:30	2.09	2.69	0.144	0.187	
10:00	2.47	3.03	0.205	0.084		22:45	2.18	2.95	0.168	0.189	
10:15	2.38	2.99	0.193	0.086		23:00	2.12	2.94	0.160	0.191	
10:30	2.42	3.00	0.198	0.088		23:15	2.10	2.79	0.150	0.192	
10:45	2.42	3.05	0.200	0.091		23:30	2.06	2.64	0.138	0.194	
11:00	2.53	3.13	0.220	0.093		23:45	2.30	3.22	0.198	0.196	
11:15	2.46	3.11	0.209	0.095		<b>Daily Totals:</b>		0.198		<b>0.196</b>	<b>0.00</b>
11:30	2.54	3.04	0.214	0.097		<b>Data reported every:</b>	15 Minutes				
11:45	2.39	2.96	0.191	0.099							
12:00	2.41	2.98	0.195	0.101							
12:15	2.42	3.05	0.201	0.103							

# Daily Flow Report



Site:

1  
 Beaver St. at Valley View Rd. Waltham, MA 10" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/22/2014</b>						12:30	2.45	3.29	0.220	0.086	
0:00	2.05	2.80	0.146	0.002		12:45	2.21	3.19	0.184	0.088	
0:15	2.13	2.86	0.157	0.003		13:00	2.20	3.09	0.177	0.090	
0:30	2.16	3.14	0.176	0.005		13:15	2.60	3.23	0.235	0.092	
0:45	1.87	2.45	0.111	0.006		13:30	2.38	3.18	0.204	0.094	
1:00	2.01	2.91	0.147	0.008		13:45	2.14	3.00	0.166	0.096	
1:15	2.12	3.07	0.167	0.009		14:00	2.08	2.86	0.152	0.097	
1:30	1.89	2.48	0.115	0.011		14:15	2.38	3.31	0.213	0.100	
1:45	1.84	2.71	0.121	0.012		14:30	2.15	3.00	0.166	0.101	
2:00	2.05	3.10	0.162	0.014		14:45	2.57	3.21	0.230	0.104	
2:15	1.83	2.60	0.115	0.015		15:00	2.41	3.29	0.215	0.106	
2:30	1.89	2.48	0.115	0.016		15:15	2.26	3.13	0.187	0.108	
2:45	1.90	2.55	0.119	0.017		15:30	2.33	3.12	0.194	0.110	
3:00	1.85	2.49	0.112	0.018		15:45	2.50	3.24	0.223	0.112	
3:15	1.97	2.88	0.141	0.020		16:00	2.27	2.94	0.176	0.114	
3:30	1.85	2.67	0.120	0.021		16:15	2.35	3.13	0.198	0.116	
3:45	2.10	3.05	0.164	0.023		16:30	2.24	3.01	0.178	0.118	
4:00	1.94	2.69	0.129	0.024		16:45	2.28	2.88	0.174	0.120	
4:15	1.90	2.53	0.118	0.025		17:00	2.11	2.84	0.154	0.122	
4:30	2.13	3.00	0.165	0.027		17:15	2.30	3.16	0.193	0.124	
4:45	1.92	2.65	0.126	0.028		17:30	2.20	3.01	0.172	0.125	
5:00	1.95	2.87	0.139	0.030		17:45	2.22	3.07	0.179	0.127	
5:15	2.20	3.04	0.175	0.032		18:00	2.17	3.11	0.175	0.129	
5:30	2.12	2.93	0.159	0.033		18:15	2.40	3.22	0.210	0.131	
5:45	1.89	2.79	0.129	0.035		18:30	2.17	3.06	0.173	0.133	
6:00	2.12	3.26	0.178	0.036		18:45	2.08	2.91	0.154	0.135	
6:15	1.99	3.03	0.151	0.038		19:00	2.29	3.21	0.196	0.137	
6:30	1.93	3.06	0.146	0.040		19:15	2.07	2.84	0.150	0.138	
6:45	1.96	3.02	0.148	0.041		19:30	2.17	2.83	0.159	0.140	
7:00	2.12	3.04	0.165	0.043		19:45	2.32	3.00	0.187	0.142	
7:15	2.10	3.11	0.167	0.045		20:00	2.29	3.08	0.187	0.144	
7:30	1.98	3.04	0.150	0.046		20:15	2.01	2.62	0.132	0.145	
7:45	2.35	3.29	0.207	0.048		20:30	2.02	2.71	0.138	0.147	
8:00	2.06	3.11	0.163	0.050		20:45	2.28	3.10	0.187	0.149	
8:15	2.11	3.09	0.168	0.052		21:00	2.25	3.03	0.180	0.150	0.02
8:30	2.45	3.19	0.213	0.054		21:15	2.11	2.63	0.142	0.152	0.01
8:45	2.10	3.09	0.167	0.056		21:30	2.15	2.74	0.152	0.153	0.01
9:00	2.31	3.28	0.203	0.058		21:45	2.11	2.74	0.148	0.155	
9:15	2.37	3.21	0.204	0.060		22:00	2.07	2.61	0.137	0.156	
9:30	2.14	3.09	0.171	0.062		22:15	2.02	2.71	0.138	0.158	
9:45	2.15	3.18	0.177	0.064		22:30	2.18	3.07	0.175	0.160	
10:00	2.17	3.06	0.172	0.065		22:45	2.00	2.80	0.140	0.161	
10:15	2.27	3.19	0.192	0.067		23:00	1.94	2.64	0.127	0.162	
10:30	2.48	3.05	0.207	0.070		23:15	1.97	2.73	0.134	0.164	
10:45	2.36	3.02	0.191	0.072		23:30	1.92	2.39	0.113	0.165	
11:00	2.35	3.03	0.192	0.074		23:45	1.90	2.46	0.115	0.166	
11:15	2.22	3.21	0.187	0.075		<b>Daily Totals:</b>		0.115		<b>0.166</b>	<b>0.04</b>
11:30	2.17	3.10	0.175	0.077		<b>Data reported every:</b>	15 Minutes				
11:45	2.37	3.09	0.197	0.079							
12:00	2.43	3.21	0.212	0.082							
12:15	2.29	3.18	0.194	0.084							

# Daily Flow Report



Site:

1  
Beaver St. at Valley View Rd. Waltham, MA 10" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/23/2014</b>						12:30	2.37	2.73	0.174	0.082	0.01
0:00	1.89	2.46	0.114	0.001		12:45	2.35	2.88	0.182	0.084	0.01
0:15	2.10	2.95	0.159	0.003		13:00	2.39	2.77	0.179	0.085	
0:30	1.93	2.69	0.129	0.004		13:15	2.42	2.87	0.188	0.087	
0:45	1.97	2.39	0.117	0.005		13:30	2.23	2.81	0.165	0.089	
1:00	1.92	2.44	0.115	0.007		13:45	2.36	2.82	0.179	0.091	
1:15	1.97	2.45	0.120	0.008		14:00	2.19	2.79	0.159	0.093	
1:30	1.88	2.33	0.107	0.009		14:15	2.12	2.79	0.152	0.094	
1:45	1.96	2.65	0.130	0.010		14:30	2.44	2.84	0.189	0.096	
2:00	2.09	2.85	0.152	0.012		14:45	2.50	2.88	0.199	0.098	
2:15	1.86	2.40	0.109	0.013		15:00	2.28	2.85	0.172	0.100	
2:30	1.89	2.33	0.108	0.014		15:15	2.48	2.91	0.198	0.102	
2:45	1.88	2.33	0.107	0.015		15:30	2.37	2.94	0.188	0.104	
3:00	2.11	2.48	0.135	0.017		15:45	2.12	2.90	0.158	0.106	
3:15	1.94	2.35	0.112	0.018		16:00	2.46	3.00	0.202	0.108	
3:30	1.95	2.43	0.117	0.019		16:15	2.22	2.82	0.164	0.109	
3:45	2.14	2.87	0.159	0.021		16:30	2.51	2.68	0.186	0.111	
4:00	1.90	2.30	0.107	0.022		16:45	2.65	2.85	0.213	0.114	
4:15	1.91	2.46	0.115	0.023		17:00	2.68	2.84	0.216	0.116	
4:30	1.89	2.49	0.115	0.024		17:15	2.44	2.77	0.185	0.118	
4:45	2.25	3.03	0.179	0.026		17:30	2.71	2.82	0.218	0.120	
5:00	1.97	2.53	0.125	0.027		17:45	2.23	2.90	0.170	0.122	
5:15	1.93	2.46	0.117	0.029		18:00	2.56	2.83	0.201	0.124	
5:30	2.15	2.85	0.159	0.030		18:15	2.69	2.94	0.225	0.126	
5:45	2.11	2.74	0.148	0.032		18:30	2.50	2.77	0.191	0.128	
6:00	2.19	2.86	0.163	0.034		18:45	2.48	2.74	0.186	0.130	
6:15	2.13	2.81	0.154	0.035		19:00	2.41	2.67	0.174	0.132	
6:30	2.42	3.16	0.209	0.037		19:15	2.43	2.59	0.171	0.134	
6:45	2.11	2.75	0.149	0.039		19:30	2.45	2.73	0.182	0.136	
7:00	2.05	2.70	0.140	0.040		19:45	2.58	2.85	0.206	0.138	
7:15	2.22	3.04	0.177	0.042		20:00	2.69	2.82	0.215	0.140	
7:30	2.10	3.00	0.162	0.044	0.01	20:15	2.52	2.73	0.190	0.142	
7:45	2.15	2.70	0.150	0.045	0.05	20:30	2.43	2.55	0.169	0.144	
8:00	2.11	2.77	0.150	0.047	0.07	20:45	2.62	2.85	0.210	0.146	
8:15	2.10	2.88	0.155	0.049	0.06	21:00	2.30	2.56	0.157	0.148	
8:30	2.38	3.15	0.202	0.051	0.05	21:15	2.51	2.60	0.180	0.150	
8:45	2.33	3.12	0.195	0.053	0.02	21:30	2.66	2.81	0.212	0.152	
9:00	2.34	3.16	0.199	0.055		21:45	2.51	2.66	0.184	0.154	
9:15	2.35	2.82	0.178	0.057	0.02	22:00	2.36	2.62	0.166	0.155	
9:30	2.35	2.99	0.189	0.059	0.02	22:15	2.61	2.64	0.194	0.157	
9:45	2.24	2.82	0.167	0.060	0.03	22:30	2.32	2.49	0.154	0.159	
10:00	2.56	3.04	0.216	0.063	0.01	22:45	2.34	2.54	0.159	0.161	
10:15	2.36	3.04	0.193	0.065		23:00	2.54	2.86	0.201	0.163	
10:30	2.69	3.00	0.230	0.067		23:15	2.35	2.56	0.162	0.164	
10:45	2.48	3.03	0.207	0.069		23:30	2.26	2.34	0.140	0.166	
11:00	2.27	2.77	0.166	0.071		23:45	2.26	2.53	0.151	0.167	
11:15	2.30	2.72	0.167	0.073		<b>Daily Totals:</b>		0.151		<b>0.167</b>	<b>0.47</b>
11:30	2.35	2.83	0.179	0.074	0.02	<b>Data reported every:</b>	15 Minutes				
11:45	2.25	2.88	0.171	0.076	0.02						
12:00	2.22	2.88	0.168	0.078	0.04						
12:15	2.34	2.77	0.174	0.080	0.03						

# Daily Flow Report



Site:

1  
Beaver St. at Valley View Rd. Waltham, MA 10" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/24/2014</b>						12:30	2.43	2.81	0.186	0.092	
0:00	2.32	2.61	0.161	0.002		12:45	2.41	2.86	0.187	0.094	
0:15	2.27	2.41	0.145	0.003		13:00	2.37	2.70	0.173	0.095	
0:30	2.22	2.31	0.134	0.005		13:15	2.14	2.81	0.155	0.097	
0:45	2.62	2.77	0.204	0.007		13:30	2.70	2.86	0.220	0.099	
1:00	2.23	2.28	0.134	0.008		13:45	2.37	2.64	0.168	0.101	0.01
1:15	2.22	2.31	0.134	0.010		14:00	2.37	2.74	0.175	0.103	
1:30	2.49	2.68	0.183	0.011		14:15	2.40	2.76	0.179	0.105	
1:45	2.26	2.44	0.146	0.013		14:30	2.52	2.82	0.196	0.107	
2:00	2.22	2.32	0.136	0.014		14:45	2.67	2.66	0.201	0.109	
2:15	2.42	2.52	0.165	0.016		15:00	2.49	2.73	0.187	0.111	
2:30	2.31	2.53	0.156	0.018		15:15	2.43	2.74	0.181	0.113	
2:45	2.19	2.38	0.136	0.019		15:30	2.20	2.66	0.153	0.114	
3:00	2.28	2.41	0.146	0.021		15:45	2.35	2.84	0.179	0.116	
3:15	2.54	2.52	0.178	0.022		16:00	2.52	2.71	0.188	0.118	
3:30	2.27	2.27	0.136	0.024		16:15	2.51	2.71	0.188	0.120	
3:45	2.27	2.40	0.145	0.025		16:30	2.32	2.57	0.159	0.122	
4:00	2.51	2.54	0.176	0.027		16:45	2.24	2.65	0.156	0.123	
4:15	2.36	2.62	0.167	0.029		17:00	2.40	2.66	0.173	0.125	
4:30	2.25	2.36	0.140	0.030		17:15	2.22	2.65	0.154	0.127	
4:45	2.62	2.73	0.202	0.033		17:30	2.34	2.63	0.165	0.128	
5:00	2.33	2.46	0.153	0.034		17:45	2.25	2.64	0.156	0.130	
5:15	2.35	2.42	0.153	0.036		18:00	2.62	2.64	0.193	0.132	
5:30	2.48	2.73	0.185	0.038		18:15	2.24	2.51	0.148	0.134	
5:45	2.32	2.33	0.145	0.039		18:30	2.11	2.57	0.139	0.135	
6:00	2.48	2.67	0.182	0.041		18:45	2.13	2.50	0.137	0.136	
6:15	2.40	2.48	0.161	0.043		19:00	2.13	2.42	0.133	0.138	
6:30	2.52	2.61	0.182	0.045		19:15	2.25	2.60	0.154	0.139	
6:45	2.46	2.54	0.172	0.046		19:30	2.04	2.43	0.126	0.141	
7:00	2.59	2.48	0.179	0.048		19:45	2.26	2.52	0.151	0.142	
7:15	2.15	2.74	0.153	0.050		20:00	2.14	2.56	0.142	0.144	
7:30	2.51	2.64	0.183	0.052		20:15	2.32	2.60	0.161	0.146	
7:45	2.61	2.69	0.197	0.054		20:30	2.29	2.61	0.158	0.147	
8:00	2.55	2.61	0.184	0.056		20:45	2.14	2.50	0.138	0.149	
8:15	2.60	2.64	0.193	0.058		21:00	2.30	2.64	0.162	0.150	
8:30	2.56	2.71	0.193	0.060		21:15	2.11	2.39	0.129	0.152	
8:45	2.59	2.59	0.188	0.062		21:30	2.04	2.34	0.121	0.153	
9:00	2.76	2.83	0.225	0.064		21:45	2.14	2.61	0.144	0.154	
9:15	2.43	2.63	0.174	0.066		22:00	2.24	2.68	0.158	0.156	
9:30	2.39	2.80	0.181	0.068		22:15	2.01	2.38	0.120	0.157	
9:45	2.59	2.74	0.198	0.070		22:30	1.97	2.29	0.112	0.158	
10:00	2.47	2.75	0.186	0.072		22:45	2.01	2.41	0.122	0.160	
10:15	2.42	2.73	0.180	0.074		23:00	2.27	2.48	0.149	0.161	
10:30	2.76	2.67	0.212	0.076		23:15	2.03	2.39	0.123	0.163	
10:45	2.23	2.74	0.161	0.078		23:30	1.98	2.43	0.120	0.164	
11:00	2.51	2.68	0.185	0.079		23:45	2.04	2.44	0.126	0.165	
11:15	2.39	2.68	0.174	0.081		<b>Daily Totals:</b>		0.126		<b>0.165</b>	<b>0.01</b>
11:30	2.67	2.84	0.215	0.084		<b>Data reported every:</b>	15 Minutes				
11:45	2.67	2.87	0.218	0.086							
12:00	2.23	2.94	0.172	0.088							
12:15	2.58	2.78	0.200	0.090							

# Daily Flow Report



Site:

1  
 Beaver St. at Valley View Rd. Waltham, MA 10" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/25/2014</b>						12:30	2.37	2.39	0.152	0.074	
0:00	2.07	2.46	0.130	0.001		12:45	2.32	2.42	0.150	0.076	
0:15	2.00	2.43	0.122	0.003		13:00	2.35	2.43	0.153	0.077	
0:30	1.92	2.22	0.105	0.004		13:15	2.43	2.60	0.172	0.079	
0:45	1.93	2.21	0.105	0.005		13:30	2.21	2.34	0.135	0.080	
1:00	1.98	2.39	0.118	0.006		13:45	2.30	2.45	0.150	0.082	
1:15	1.94	2.54	0.122	0.007		14:00	2.37	2.52	0.161	0.084	
1:30	1.91	2.29	0.108	0.008		14:15	2.60	2.11	0.154	0.085	
1:45	1.92	2.26	0.107	0.010		14:30	2.46	2.56	0.172	0.087	
2:00	1.92	2.26	0.107	0.011		14:45	2.45	2.51	0.168	0.089	
2:15	2.25	2.59	0.154	0.012		15:00	2.36	2.42	0.154	0.090	
2:30	1.93	2.34	0.112	0.013		15:15	2.66	2.68	0.202	0.092	
2:45	1.94	2.20	0.106	0.015		15:30	2.31	2.48	0.153	0.094	
3:00	1.91	2.16	0.102	0.016		15:45	2.19	2.28	0.130	0.095	
3:15	2.22	2.66	0.155	0.017		16:00	2.18	2.44	0.138	0.097	
3:30	2.03	2.26	0.115	0.018		16:15	2.34	2.42	0.152	0.098	
3:45	1.93	2.48	0.118	0.020		16:30	2.35	2.33	0.146	0.100	
4:00	1.95	2.38	0.116	0.021		16:45	2.11	2.34	0.126	0.101	
4:15	1.99	2.40	0.119	0.022		17:00	2.11	2.30	0.124	0.103	
4:30	1.93	2.50	0.120	0.023		17:15	2.22	2.35	0.137	0.104	
4:45	1.98	2.28	0.112	0.025		17:30	2.20	2.46	0.142	0.105	
5:00	1.99	2.17	0.108	0.026		17:45	2.28	2.32	0.140	0.107	
5:15	2.22	2.41	0.140	0.027		18:00	2.17	2.35	0.133	0.108	
5:30	2.34	2.52	0.158	0.029		18:15	2.18	2.38	0.135	0.110	
5:45	2.14	2.39	0.132	0.030		18:30	2.44	2.60	0.173	0.112	
6:00	2.20	2.41	0.138	0.032		18:45	2.11	2.24	0.121	0.113	
6:15	2.20	2.43	0.140	0.033		19:00	2.20	2.18	0.125	0.114	
6:30	2.42	2.63	0.173	0.035		19:15	2.18	2.39	0.136	0.116	
6:45	2.16	2.36	0.132	0.036		19:30	2.27	2.35	0.141	0.117	
7:00	2.17	2.35	0.133	0.038		19:45	2.16	2.33	0.131	0.118	
7:15	2.35	2.58	0.163	0.039		20:00	2.21	2.37	0.137	0.120	
7:30	2.21	2.39	0.138	0.041		20:15	2.07	2.34	0.123	0.121	
7:45	2.28	2.35	0.142	0.042		20:30	2.15	2.34	0.130	0.122	
8:00	2.30	2.50	0.153	0.044		20:45	2.50	2.52	0.174	0.124	
8:15	2.16	2.50	0.140	0.045		21:00	2.14	2.31	0.128	0.126	
8:30	2.20	2.50	0.144	0.047		21:15	2.05	2.13	0.111	0.127	
8:45	2.50	2.51	0.173	0.049		21:30	2.01	2.29	0.116	0.128	
9:00	2.24	2.45	0.145	0.050		21:45	2.11	2.27	0.123	0.129	
9:15	2.47	2.65	0.180	0.052		22:00	2.10	2.26	0.122	0.130	
9:30	2.31	2.50	0.154	0.054		22:15	2.10	2.46	0.132	0.132	
9:45	2.21	2.38	0.138	0.055		22:30	1.99	2.32	0.116	0.133	
10:00	2.30	2.48	0.152	0.057		22:45	1.93	2.15	0.103	0.134	
10:15	2.32	2.54	0.157	0.058		23:00	2.35	2.46	0.155	0.136	
10:30	2.55	2.60	0.184	0.060		23:15	1.95	2.09	0.101	0.137	
10:45	2.35	2.50	0.158	0.062		23:30	1.98	2.25	0.111	0.138	
11:00	2.69	2.64	0.202	0.064		23:45	2.04	2.26	0.117	0.139	
11:15	2.41	2.53	0.166	0.066		<b>Daily Totals:</b>		0.117		<b>0.139</b>	<b>0.00</b>
11:30	2.35	2.63	0.166	0.067		<b>Data reported every:</b>	15 Minutes				
11:45	2.25	2.39	0.142	0.069							
12:00	2.67	2.58	0.196	0.071							
12:15	2.36	2.45	0.155	0.072							



# Daily Flow Report



Site:

1  
Beaver St. at Valley View Rd. Waltham, MA 10" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/26/2014</b>						12:30	2.09	2.29	0.122	0.066	0.01
0:00	1.90	2.14	0.100	0.001		12:45	2.47	2.46	0.167	0.068	
0:15	1.95	2.32	0.112	0.002		13:00	2.25	2.34	0.139	0.070	
0:30	1.90	1.98	0.092	0.003		13:15	2.12	2.32	0.127	0.071	
0:45	1.92	2.22	0.105	0.004		13:30	2.16	2.37	0.133	0.072	
1:00	1.97	2.23	0.110	0.005		13:45	2.43	2.54	0.168	0.074	
1:15	2.26	2.47	0.147	0.007		14:00	2.08	2.32	0.123	0.075	
1:30	1.92	2.16	0.102	0.008		14:15	2.14	2.45	0.136	0.077	
1:45	2.04	2.33	0.121	0.009		14:30	2.04	2.20	0.114	0.078	0.01
2:00	1.90	2.13	0.099	0.010		14:45	2.45	2.49	0.167	0.080	
2:15	1.99	2.29	0.114	0.011		15:00	2.05	2.27	0.118	0.081	
2:30	1.96	2.12	0.103	0.013		15:15	2.08	2.26	0.120	0.082	
2:45	1.90	2.23	0.104	0.014		15:30	2.34	2.50	0.157	0.084	
3:00	1.91	2.15	0.101	0.015		15:45	2.34	2.45	0.154	0.085	
3:15	1.93	2.36	0.112	0.016		16:00	2.03	2.21	0.113	0.086	
3:30	2.31	2.44	0.150	0.017		16:15	1.99	2.45	0.122	0.088	
3:45	1.89	2.33	0.108	0.019		16:30	2.18	2.46	0.139	0.089	
4:00	1.91	2.32	0.109	0.020		16:45	2.15	2.37	0.132	0.091	
4:15	1.92	2.33	0.111	0.021		17:00	1.97	2.24	0.110	0.092	
4:30	1.88	2.08	0.095	0.022		17:15	2.14	2.39	0.132	0.093	
4:45	1.88	2.22	0.102	0.023		17:30	2.01	2.32	0.117	0.094	
5:00	1.95	2.05	0.099	0.024		17:45	2.03	2.27	0.116	0.096	
5:15	1.93	2.24	0.107	0.025		18:00	2.15	2.46	0.137	0.097	
5:30	2.07	2.43	0.128	0.026		18:15	1.99	2.23	0.111	0.098	
5:45	2.21	2.41	0.140	0.028		18:30	2.03	2.35	0.120	0.099	
6:00	1.94	2.41	0.116	0.029		18:45	2.00	2.01	0.101	0.100	
6:15	1.95	2.22	0.108	0.030		19:00	2.31	2.55	0.157	0.102	
6:30	2.08	2.37	0.126	0.031		19:15	2.21	2.38	0.137	0.103	
6:45	2.18	2.34	0.133	0.033		19:30	1.92	2.16	0.102	0.105	
7:00	2.38	2.43	0.156	0.034		19:45	2.08	2.34	0.124	0.106	
7:15	2.21	2.32	0.135	0.036		20:00	1.96	2.33	0.113	0.107	
7:30	2.13	2.35	0.129	0.037	0.01	20:15	1.85	1.91	0.086	0.108	
7:45	2.02	2.24	0.114	0.038	0.01	20:30	2.02	2.23	0.113	0.109	
8:00	2.14	2.35	0.130	0.040	0.02	20:45	1.85	2.11	0.095	0.110	
8:15	2.14	2.47	0.137	0.041	0.01	21:00	1.95	2.17	0.105	0.111	
8:30	2.04	2.34	0.121	0.042	0.01	21:15	2.28	2.43	0.147	0.113	
8:45	2.21	2.49	0.144	0.044	0.03	21:30	1.88	2.04	0.094	0.114	
9:00	2.28	2.48	0.151	0.046	0.01	21:45	2.05	2.33	0.121	0.115	
9:15	2.44	2.66	0.177	0.047	0.01	22:00	1.91	2.29	0.107	0.116	
9:30	2.14	2.40	0.133	0.049	0.02	22:15	1.89	2.12	0.098	0.117	
9:45	2.21	2.42	0.140	0.050	0.01	22:30	1.93	2.23	0.106	0.118	
10:00	2.14	2.48	0.137	0.052	0.01	22:45	1.86	2.19	0.099	0.119	
10:15	2.23	2.49	0.146	0.053	0.01	23:00	1.89	2.06	0.096	0.120	
10:30	2.58	2.54	0.183	0.055	0.01	23:15	1.85	2.08	0.093	0.121	
10:45	2.24	2.34	0.138	0.057	0.01	23:30	2.18	2.38	0.135	0.123	
11:00	2.12	2.26	0.123	0.058	0.01	23:45	1.98	2.25	0.111	0.124	
11:15	2.29	2.34	0.142	0.059		<b>Daily Totals:</b>		0.111		<b>0.124</b>	<b>0.25</b>
11:30	2.13	2.34	0.128	0.061	0.01	<b>Data reported every:</b>	15 Minutes				
11:45	2.30	2.45	0.151	0.062	0.01						
12:00	2.21	2.32	0.134	0.064	0.01						
12:15	2.26	2.37	0.141	0.065	0.01						

# Daily Flow Report



Site:

1  
Beaver St. at Valley View Rd. Waltham, MA 10" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/27/2014</b>						12:30	2.02	2.06	0.105	0.061	
0:00	1.92	2.22	0.105	0.001		12:45	2.08	2.08	0.111	0.062	
0:15	1.83	2.17	0.096	0.002	0.01	13:00	2.16	2.29	0.128	0.064	
0:30	1.89	2.12	0.098	0.003		13:15	2.05	2.16	0.112	0.065	
0:45	1.84	2.16	0.096	0.004	0.01	13:30	2.03	2.12	0.109	0.066	
1:00	1.83	2.18	0.096	0.005	0.01	13:45	2.14	2.16	0.119	0.067	
1:15	1.80	2.07	0.089	0.006	0.03	14:00	2.07	2.14	0.113	0.068	
1:30	1.82	2.20	0.096	0.007	0.05	14:15	2.07	2.11	0.111	0.070	
1:45	2.22	2.39	0.139	0.009	0.01	14:30	2.43	2.47	0.163	0.071	
2:00	1.86	2.10	0.095	0.009		14:45	2.08	2.15	0.114	0.072	
2:15	2.08	2.25	0.119	0.011		15:00	2.06	2.20	0.115	0.074	
2:30	1.93	2.15	0.103	0.012	0.01	15:15	2.00	2.14	0.107	0.075	
2:45	2.40	2.45	0.159	0.013		15:30	2.04	2.18	0.113	0.076	0.01
3:00	1.91	2.22	0.104	0.015		15:45	2.00	2.19	0.110	0.077	
3:15	1.90	2.03	0.095	0.016		16:00	1.98	2.24	0.111	0.078	
3:30	1.86	2.38	0.107	0.017		16:15	1.97	2.06	0.101	0.079	
3:45	1.87	2.14	0.097	0.018		16:30	2.00	2.16	0.109	0.080	
4:00	1.85	2.22	0.100	0.019		16:45	2.33	2.39	0.149	0.082	
4:15	1.88	2.18	0.100	0.020	0.01	17:00	2.03	2.09	0.107	0.083	
4:30	1.85	2.27	0.102	0.021		17:15	2.14	2.23	0.123	0.084	
4:45	1.90	2.11	0.098	0.022		17:30	2.03	2.10	0.107	0.085	
5:00	1.90	2.12	0.099	0.023		17:45	2.26	2.31	0.138	0.087	
5:15	2.00	2.28	0.115	0.024		18:00	2.26	2.12	0.127	0.088	
5:30	1.82	2.10	0.092	0.025		18:15	2.04	2.15	0.111	0.089	
5:45	1.90	2.18	0.102	0.026		18:30	2.00	2.04	0.102	0.090	
6:00	1.95	2.24	0.108	0.027		18:45	2.02	2.15	0.110	0.092	
6:15	1.99	2.24	0.112	0.028		19:00	2.32	2.30	0.142	0.093	
6:30	2.09	2.36	0.126	0.030		19:15	2.04	2.09	0.108	0.094	
6:45	1.92	2.13	0.101	0.031		19:30	2.15	2.28	0.127	0.096	
7:00	2.27	2.47	0.148	0.032		19:45	2.22	2.29	0.133	0.097	
7:15	2.04	2.18	0.112	0.033		20:00	2.25	2.14	0.127	0.098	
7:30	1.97	2.07	0.101	0.035		20:15	2.06	2.15	0.113	0.099	
7:45	1.95	2.24	0.108	0.036		20:30	2.11	1.94	0.105	0.101	
8:00	2.20	2.36	0.136	0.037		20:45	2.21	2.17	0.126	0.102	
8:15	2.04	2.25	0.117	0.038		21:00	1.96	2.00	0.097	0.103	
8:30	2.12	2.20	0.120	0.040		21:15	2.24	2.20	0.130	0.104	
8:45	2.08	2.24	0.119	0.041		21:30	2.30	2.21	0.135	0.106	
9:00	2.41	2.38	0.155	0.042		21:45	1.97	1.99	0.098	0.107	
9:15	2.18	2.18	0.123	0.044		22:00	1.86	2.29	0.104	0.108	
9:30	2.16	2.24	0.126	0.045		22:15	2.08	2.18	0.116	0.109	
9:45	2.29	2.41	0.147	0.047		22:30	2.20	2.39	0.138	0.110	
10:00	2.15	2.20	0.122	0.048		22:45	1.87	2.00	0.091	0.111	
10:15	2.17	2.29	0.129	0.049		23:00	1.81	1.90	0.082	0.112	
10:30	2.30	2.18	0.134	0.051		23:15	1.89	1.85	0.086	0.113	
10:45	2.46	2.36	0.159	0.052		23:30	1.85	2.00	0.090	0.114	
11:00	2.18	2.23	0.126	0.053		23:45	1.97	2.12	0.104	0.115	
11:15	2.37	2.31	0.147	0.055		<b>Daily Totals:</b>		0.104		<b>0.115</b>	<b>0.15</b>
11:30	2.06	2.16	0.113	0.056		<b>Data reported every:</b>	15 Minutes				
11:45	2.14	2.22	0.123	0.057							
12:00	2.15	2.14	0.119	0.059							
12:15	2.28	2.21	0.134	0.060							

# Daily Flow Report



Site:

1  
Beaver St. at Valley View Rd. Waltham, MA 10" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/28/2014</b>						12:30	2.16	2.36	0.132	0.063	
0:00	1.91	2.03	0.096	0.001		12:45	2.35	2.51	0.159	0.064	
0:15	1.98	2.09	0.103	0.002		13:00	2.24	2.47	0.146	0.066	
0:30	1.86	1.85	0.083	0.003		13:15	2.13	2.36	0.130	0.067	
0:45	1.84	1.84	0.082	0.004		13:30	2.37	2.66	0.170	0.069	
1:00	1.90	2.12	0.099	0.005		13:45	2.21	2.34	0.135	0.070	
1:15	1.82	1.82	0.079	0.006		14:00	2.21	2.36	0.137	0.072	
1:30	1.83	1.84	0.081	0.006		14:15	2.15	2.46	0.137	0.073	
1:45	1.87	1.81	0.083	0.007		14:30	2.06	2.09	0.109	0.074	
2:00	2.11	2.09	0.113	0.009		14:45	2.42	2.54	0.167	0.076	
2:15	1.94	1.97	0.095	0.010		15:00	2.26	2.42	0.145	0.078	
2:30	1.82	1.75	0.077	0.010		15:15	2.23	2.33	0.137	0.079	
2:45	1.82	1.76	0.077	0.011		15:30	2.35	2.45	0.155	0.081	
3:00	1.92	2.17	0.102	0.012		15:45	2.22	2.46	0.144	0.082	
3:15	2.12	2.30	0.126	0.014		16:00	2.28	2.38	0.144	0.084	
3:30	1.80	1.95	0.084	0.014		16:15	2.67	2.63	0.199	0.086	
3:45	1.82	2.02	0.089	0.015		16:30	2.12	2.44	0.133	0.087	
4:00	1.95	2.02	0.098	0.016		16:45	2.01	2.24	0.113	0.088	
4:15	1.87	1.93	0.088	0.017		17:00	2.10	2.41	0.130	0.090	
4:30	1.92	2.05	0.097	0.018		17:15	2.05	2.35	0.122	0.091	
4:45	1.87	1.97	0.089	0.019		17:30	2.09	2.36	0.126	0.092	
5:00	1.97	1.95	0.095	0.020		17:45	2.29	2.64	0.161	0.094	
5:15	1.90	1.90	0.088	0.021		18:00	2.38	2.59	0.166	0.096	
5:30	2.01	2.04	0.103	0.022		18:15	2.38	2.61	0.168	0.097	
5:45	2.01	2.06	0.104	0.023		18:30	2.19	2.55	0.146	0.099	
6:00	1.98	2.04	0.101	0.024		18:45	2.13	2.63	0.144	0.101	
6:15	2.08	2.28	0.121	0.026		19:00	2.14	2.57	0.142	0.102	
6:30	2.18	2.22	0.125	0.027		19:15	2.36	2.66	0.169	0.104	
6:45	2.32	2.38	0.148	0.028		19:30	2.12	2.36	0.129	0.105	
7:00	2.12	2.14	0.117	0.030		19:45	1.99	2.31	0.115	0.106	
7:15	2.03	2.12	0.109	0.031		20:00	2.03	2.41	0.124	0.108	
7:30	2.00	2.06	0.103	0.032		20:15	2.12	2.48	0.135	0.109	
7:45	2.24	2.26	0.134	0.033		20:30	2.37	2.72	0.173	0.111	
8:00	2.47	2.40	0.162	0.035		20:45	2.07	2.53	0.134	0.112	
8:15	2.12	2.14	0.116	0.036		21:00	2.14	2.46	0.137	0.114	
8:30	2.17	2.24	0.127	0.037		21:15	2.05	2.41	0.125	0.115	
8:45	2.24	2.26	0.133	0.039		21:30	2.07	2.33	0.123	0.116	
9:00	2.25	2.36	0.140	0.040		21:45	2.18	2.65	0.151	0.118	
9:15	2.74	2.59	0.203	0.042		22:00	1.97	2.13	0.104	0.119	
9:30	2.15	2.27	0.126	0.044		22:15	2.05	2.26	0.118	0.120	
9:45	2.21	2.24	0.130	0.045		22:30	2.01	2.11	0.107	0.121	
10:00	2.18	2.33	0.133	0.046		22:45	1.92	2.03	0.096	0.122	
10:15	2.19	2.24	0.128	0.048		23:00	1.88	2.14	0.098	0.123	
10:30	2.68	2.54	0.193	0.050		23:15	1.95	2.35	0.114	0.124	
10:45	2.35	2.50	0.158	0.051		23:30	1.88	1.95	0.089	0.125	
11:00	2.15	2.37	0.132	0.053		23:45	1.97	2.21	0.109	0.126	
11:15	2.26	2.47	0.148	0.054		<b>Daily Totals:</b>		0.109		<b>0.126</b>	<b>0.00</b>
11:30	2.26	2.42	0.145	0.056		<b>Data reported every:</b>	15 Minutes				
11:45	2.56	2.73	0.195	0.058							
12:00	2.56	2.60	0.185	0.060							
12:15	2.32	2.45	0.151	0.061							

# Daily Flow Report



Site:

1  
 Beaver St. at Valley View Rd. Waltham, MA 10" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/29/2014</b>						12:30	2.44	2.78	0.185	0.069	
0:00	1.90	2.05	0.095	0.001		12:45	2.36	2.54	0.161	0.070	
0:15	1.87	1.87	0.085	0.002		13:00	2.53	2.88	0.202	0.072	
0:30	2.25	2.35	0.140	0.003		13:15	2.55	2.92	0.207	0.075	
0:45	1.88	2.28	0.104	0.004		13:30	2.46	2.81	0.189	0.077	
1:00	1.88	1.88	0.086	0.005		13:45	2.43	2.71	0.179	0.078	
1:15	1.90	2.02	0.094	0.006		14:00	2.48	2.70	0.184	0.080	
1:30	1.87	1.73	0.079	0.007		14:15	2.41	2.75	0.179	0.082	
1:45	1.85	2.06	0.093	0.008		14:30	2.43	2.90	0.192	0.084	
2:00	1.86	2.06	0.093	0.009		14:45	2.64	2.99	0.222	0.086	
2:15	1.82	1.92	0.084	0.010		15:00	2.37	2.86	0.182	0.088	
2:30	1.83	2.14	0.094	0.011		15:15	2.32	2.88	0.179	0.090	
2:45	1.82	2.01	0.088	0.012		15:30	2.43	2.81	0.186	0.092	
3:00	1.83	2.00	0.088	0.013		15:45	2.76	3.06	0.242	0.095	
3:15	2.21	2.40	0.139	0.014		16:00	2.40	2.76	0.179	0.097	
3:30	1.84	2.08	0.093	0.015		16:15	2.23	2.79	0.164	0.098	
3:45	1.86	2.09	0.095	0.016		16:30	2.24	2.53	0.149	0.100	
4:00	1.83	1.81	0.080	0.017		16:45	2.21	2.54	0.147	0.101	
4:15	1.85	1.95	0.087	0.018		17:00	2.23	2.52	0.148	0.103	
4:30	2.12	2.28	0.125	0.019		17:15	2.28	2.71	0.164	0.105	
4:45	1.82	2.05	0.090	0.020		17:30	2.29	2.65	0.162	0.106	
5:00	1.89	2.06	0.096	0.021		17:45	2.38	2.95	0.190	0.108	
5:15	1.93	2.09	0.100	0.022		18:00	2.55	2.85	0.201	0.110	
5:30	2.01	2.13	0.108	0.023		18:15	2.28	2.66	0.161	0.112	
5:45	2.06	2.21	0.116	0.024		18:30	2.28	2.50	0.151	0.114	
6:00	2.35	2.59	0.164	0.026		18:45	2.34	2.72	0.171	0.115	
6:15	2.10	2.47	0.133	0.028		19:00	2.43	2.84	0.188	0.117	
6:30	2.13	2.31	0.127	0.029		19:15	2.18	2.64	0.149	0.119	
6:45	2.13	2.45	0.135	0.030		19:30	2.25	2.52	0.149	0.120	
7:00	2.19	2.39	0.136	0.032		19:45	2.28	2.59	0.156	0.122	
7:15	2.08	2.25	0.119	0.033		20:00	2.47	3.00	0.203	0.124	
7:30	2.06	2.47	0.129	0.034		20:15	2.32	2.76	0.171	0.126	
7:45	2.24	2.37	0.140	0.036		20:30	2.11	2.49	0.135	0.127	
8:00	2.30	2.47	0.151	0.037		20:45	2.34	2.77	0.173	0.129	
8:15	2.24	2.51	0.148	0.039		21:00	2.36	2.79	0.177	0.131	
8:30	2.19	2.25	0.129	0.040		21:15	2.09	2.60	0.139	0.132	
8:45	2.59	2.76	0.200	0.042		21:30	2.39	3.05	0.197	0.135	
9:00	2.17	2.26	0.127	0.044		21:45	2.14	2.47	0.136	0.136	
9:15	2.24	2.56	0.152	0.045		22:00	2.09	2.58	0.138	0.137	
9:30	2.46	2.88	0.194	0.047		22:15	2.07	2.42	0.127	0.139	
9:45	2.16	2.55	0.143	0.049		22:30	2.03	2.25	0.115	0.140	
10:00	2.21	2.53	0.147	0.050		22:45	2.02	2.52	0.128	0.141	
10:15	2.33	2.68	0.167	0.052		23:00	1.94	2.18	0.105	0.142	
10:30	2.24	2.64	0.156	0.054		23:15	2.08	2.44	0.129	0.144	
10:45	2.26	2.46	0.147	0.055		23:30	2.12	2.32	0.127	0.145	
11:00	2.32	2.58	0.160	0.057		23:45	2.12	2.44	0.133	0.146	
11:15	2.39	2.56	0.165	0.059		<b>Daily Totals:</b>		0.133		<b>0.146</b>	<b>0.00</b>
11:30	2.60	2.95	0.214	0.061		<b>Data reported every:</b>	15 Minutes				
11:45	2.71	2.92	0.225	0.063							
12:00	2.36	2.64	0.168	0.065							
12:15	2.35	2.77	0.175	0.067							

# Daily Flow Report



Site:

1  
Beaver St. at Valley View Rd. Waltham, MA 10" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/30/2014</b>						12:30	2.41	3.10	0.203	0.079	
0:00	2.07	2.28	0.120	0.001		12:45	2.35	3.05	0.192	0.081	
0:15	2.06	2.46	0.129	0.003		13:00	2.33	2.97	0.185	0.083	
0:30	1.88	2.00	0.092	0.004		13:15	2.59	3.26	0.236	0.086	
0:45	1.88	2.05	0.094	0.005		13:30	2.20	2.70	0.155	0.087	
1:00	1.88	1.94	0.089	0.005		13:45	2.37	2.94	0.188	0.089	
1:15	1.89	1.92	0.089	0.006		14:00	2.26	2.63	0.157	0.091	
1:30	1.90	1.90	0.089	0.007		14:15	2.31	3.01	0.186	0.093	
1:45	2.36	2.69	0.171	0.009		14:30	2.26	2.69	0.160	0.094	
2:00	1.90	2.17	0.101	0.010		14:45	2.72	3.53	0.273	0.097	
2:15	1.86	2.00	0.091	0.011		15:00	2.28	2.95	0.179	0.099	
2:30	2.06	2.30	0.121	0.012		15:15	2.26	2.74	0.163	0.101	
2:45	1.89	1.85	0.086	0.013		15:30	2.24	2.95	0.173	0.103	
3:00	1.89	2.01	0.093	0.014		15:45	2.20	2.85	0.164	0.104	
3:15	2.29	2.50	0.152	0.016		16:00	2.35	2.72	0.171	0.106	
3:30	1.86	2.19	0.099	0.017		16:15	2.40	3.15	0.205	0.108	0.01
3:45	1.97	2.09	0.103	0.018		16:30	2.23	2.77	0.162	0.110	
4:00	1.98	2.18	0.108	0.019		16:45	2.22	2.73	0.160	0.112	0.01
4:15	1.83	2.17	0.096	0.020		17:00	2.23	2.66	0.156	0.113	
4:30	1.93	2.16	0.103	0.021		17:15	2.22	2.74	0.160	0.115	0.01
4:45	2.00	2.54	0.127	0.022		17:30	2.59	3.27	0.237	0.117	
5:00	1.95	1.95	0.094	0.023		17:45	2.45	2.91	0.195	0.119	0.01
5:15	1.96	2.20	0.107	0.025		18:00	2.45	2.88	0.193	0.121	0.01
5:30	2.31	2.61	0.161	0.026		18:15	2.42	3.06	0.202	0.123	
5:45	2.09	2.37	0.127	0.028		18:30	2.42	2.85	0.187	0.125	
6:00	2.13	2.41	0.132	0.029		18:45	2.27	2.76	0.166	0.127	0.01
6:15	2.27	2.75	0.165	0.031		19:00	2.59	3.22	0.233	0.130	0.01
6:30	2.13	2.38	0.130	0.032		19:15	2.11	2.49	0.135	0.131	0.02
6:45	2.19	2.46	0.141	0.033	0.01	19:30	2.31	2.74	0.169	0.133	0.01
7:00	2.24	2.61	0.154	0.035		19:45	2.16	2.55	0.143	0.134	0.02
7:15	2.18	2.51	0.142	0.037	0.01	20:00	2.11	2.36	0.127	0.136	0.03
7:30	2.44	2.91	0.194	0.039		20:15	2.23	2.84	0.167	0.137	0.02
7:45	2.43	2.83	0.187	0.040	0.02	20:30	2.19	2.75	0.157	0.139	0.01
8:00	2.40	2.78	0.181	0.042	0.01	20:45	2.39	2.83	0.183	0.141	
8:15	2.49	2.73	0.187	0.044	0.01	21:00	2.32	2.96	0.184	0.143	0.01
8:30	2.21	2.90	0.168	0.046	0.01	21:15	2.22	2.85	0.166	0.144	
8:45	2.34	2.89	0.181	0.048		21:30	2.10	2.41	0.130	0.146	0.02
9:00	2.62	3.14	0.231	0.050		21:45	2.12	2.70	0.148	0.147	0.02
9:15	2.42	3.04	0.200	0.052		22:00	2.08	2.32	0.123	0.149	0.02
9:30	2.32	2.92	0.181	0.054		22:15	2.24	2.80	0.166	0.150	0.02
9:45	2.44	3.09	0.205	0.056		22:30	2.16	2.40	0.135	0.152	0.02
10:00	2.49	3.10	0.213	0.059		22:45	2.22	2.85	0.166	0.153	0.03
10:15	2.53	3.16	0.221	0.061		23:00	2.25	2.76	0.164	0.155	0.02
10:30	2.64	3.37	0.251	0.064		23:15	2.07	2.39	0.126	0.156	0.01
10:45	2.24	2.75	0.162	0.065		23:30	2.18	2.58	0.147	0.158	0.01
11:00	2.31	2.84	0.175	0.067		23:45	2.26	2.86	0.170	0.160	0.01
11:15	2.33	2.81	0.175	0.069		<b>Daily Totals:</b>		0.170		<b>0.160</b>	<b>0.44</b>
11:30	2.36	2.93	0.186	0.071		<b>Data reported every:</b>		15 Minutes			
11:45	2.41	2.92	0.191	0.073							
12:00	2.46	3.22	0.217	0.075							
12:15	2.35	2.96	0.186	0.077							

# Daily Flow Report



Site:

1  
Beaver St. at Valley View Rd. Waltham, MA 10" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/1/2014</b>						12:30	2.46	3.11	0.210	0.107	
0:00	2.65	3.38	0.253	0.003	0.01	12:45	2.62	3.14	0.231	0.109	
0:15	2.05	3.07	0.160	0.004	0.01	13:00	2.53	3.20	0.224	0.112	
0:30	2.15	2.76	0.153	0.006	0.03	13:15	2.53	3.09	0.216	0.114	
0:45	2.02	2.16	0.110	0.007	0.02	13:30	2.53	3.04	0.213	0.116	
1:00	2.36	2.87	0.182	0.009	0.03	13:45	2.43	3.25	0.215	0.118	
1:15	2.05	2.65	0.138	0.010	0.02	14:00	2.81	3.10	0.251	0.121	
1:30	2.11	2.77	0.150	0.012	0.02	14:15	2.45	3.15	0.210	0.123	
1:45	2.25	2.82	0.167	0.014	0.02	14:30	2.82	3.31	0.270	0.126	
2:00	2.40	3.13	0.204	0.016	0.01	14:45	2.42	3.13	0.206	0.128	
2:15	2.13	2.74	0.151	0.017	0.02	15:00	2.50	3.10	0.214	0.130	
2:30	1.99	2.58	0.128	0.019	0.01	15:15	2.63	3.22	0.238	0.133	
2:45	2.31	3.15	0.194	0.021	0.01	15:30	2.49	3.03	0.208	0.135	
3:00	2.23	2.89	0.169	0.022	0.01	15:45	2.67	3.30	0.250	0.138	
3:15	2.14	2.64	0.146	0.024	0.01	16:00	2.43	3.23	0.214	0.140	
3:30	2.33	3.07	0.191	0.026	0.01	16:15	2.37	3.12	0.200	0.142	
3:45	1.95	2.58	0.125	0.027	0.01	16:30	2.63	3.06	0.227	0.144	
4:00	2.07	2.58	0.135	0.029	0.02	16:45	2.37	3.18	0.203	0.146	
4:15	2.38	3.29	0.212	0.031	0.06	17:00	2.66	3.10	0.233	0.149	
4:30	2.02	2.69	0.137	0.032	0.02	17:15	2.46	2.92	0.196	0.151	
4:45	2.31	3.06	0.189	0.034	0.01	17:30	2.36	2.99	0.190	0.153	
5:00	2.23	2.86	0.167	0.036	0.03	17:45	2.63	3.20	0.237	0.155	
5:15	2.40	3.32	0.215	0.038	0.02	18:00	2.67	3.17	0.240	0.158	
5:30	2.63	3.02	0.223	0.041	0.04	18:15	2.48	3.18	0.216	0.160	
5:45	2.38	3.00	0.193	0.043	0.03	18:30	2.24	3.03	0.178	0.162	
6:00	2.31	2.90	0.179	0.045	0.01	18:45	2.35	2.99	0.188	0.164	
6:15	2.72	3.00	0.233	0.047	0.01	19:00	2.44	3.15	0.210	0.166	
6:30	2.50	3.07	0.211	0.049	0.01	19:15	2.32	3.21	0.199	0.168	
6:45	2.67	3.15	0.238	0.052	0.03	19:30	2.55	3.35	0.237	0.171	
7:00	2.34	3.02	0.190	0.054	0.02	19:45	2.37	3.15	0.201	0.173	
7:15	2.78	3.22	0.257	0.056		20:00	2.30	3.07	0.188	0.175	
7:30	2.41	3.12	0.203	0.058		20:15	2.52	3.19	0.222	0.177	
7:45	2.48	3.03	0.206	0.061		20:30	2.32	3.10	0.192	0.179	
8:00	2.69	3.06	0.234	0.063		20:45	2.47	3.16	0.213	0.181	
8:15	2.51	3.18	0.220	0.065		21:00	2.33	2.96	0.184	0.183	
8:30	2.63	3.21	0.238	0.068	0.02	21:15	2.37	3.14	0.201	0.185	
8:45	2.59	3.28	0.238	0.070		21:30	2.41	3.11	0.203	0.187	
9:00	2.70	3.26	0.250	0.073		21:45	2.34	3.08	0.193	0.189	
9:15	2.59	3.17	0.229	0.075		22:00	2.38	3.23	0.208	0.191	
9:30	2.52	3.11	0.218	0.077		22:15	2.27	3.03	0.182	0.193	
9:45	2.77	3.04	0.242	0.080		22:30	2.18	2.94	0.167	0.195	
10:00	2.51	2.99	0.208	0.082		22:45	2.44	3.05	0.203	0.197	
10:15	2.76	3.17	0.250	0.085		23:00	2.26	2.96	0.177	0.199	
10:30	2.90	3.25	0.276	0.088		23:15	2.29	3.10	0.188	0.201	
10:45	2.61	3.02	0.221	0.090		23:30	2.32	3.11	0.193	0.203	
11:00	2.65	3.23	0.242	0.092		23:45	2.21	2.98	0.173	0.205	
11:15	2.46	2.97	0.200	0.095		<b>Daily Totals:</b>		0.173		<b>0.205</b>	<b>0.58</b>
11:30	2.72	3.31	0.257	0.097		<b>Data reported every:</b>	15 Minutes				
11:45	2.65	3.13	0.234	0.100							
12:00	2.53	3.12	0.218	0.102							
12:15	2.81	3.18	0.257	0.105							

# Daily Flow Report



Site:

1  
 Beaver St. at Valley View Rd. Waltham, MA 10" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/2/2014</b>						12:30	2.49	2.93	0.201	0.102	
0:00	2.58	3.14	0.226	0.002		12:45	2.44	2.97	0.198	0.104	
0:15	2.16	2.92	0.164	0.004		13:00	2.38	3.14	0.202	0.106	
0:30	2.14	2.69	0.149	0.006		13:15	2.67	2.99	0.226	0.109	
0:45	2.20	2.95	0.170	0.007		13:30	2.48	3.14	0.214	0.111	
1:00	2.10	2.46	0.132	0.009		13:45	2.52	3.19	0.222	0.113	
1:15	2.34	2.92	0.183	0.011		14:00	2.83	3.41	0.279	0.116	
1:30	2.10	2.53	0.136	0.012		14:15	2.51	3.22	0.223	0.118	
1:45	2.10	2.69	0.145	0.014	0.01	14:30	2.65	3.15	0.235	0.121	
2:00	2.32	3.03	0.187	0.016		14:45	2.64	2.98	0.221	0.123	
2:15	2.03	2.48	0.127	0.017		15:00	2.42	3.04	0.200	0.125	
2:30	2.11	2.37	0.128	0.018		15:15	2.62	3.10	0.228	0.128	
2:45	2.14	2.58	0.142	0.020		15:30	2.50	2.98	0.206	0.130	
3:00	2.05	2.51	0.130	0.021		15:45	2.44	3.09	0.205	0.132	
3:15	2.37	3.11	0.198	0.023		16:00	2.60	3.04	0.222	0.134	
3:30	2.05	2.33	0.121	0.024		16:15	2.42	2.82	0.185	0.136	
3:45	2.19	2.96	0.169	0.026		16:30	2.39	3.06	0.199	0.138	
4:00	2.23	3.13	0.184	0.028		16:45	2.68	3.20	0.243	0.141	
4:15	2.31	3.02	0.186	0.030		17:00	2.42	3.01	0.198	0.143	
4:30	2.33	3.14	0.195	0.032		17:15	2.32	2.92	0.181	0.145	
4:45	2.28	3.04	0.184	0.034		17:30	2.56	3.03	0.216	0.147	
5:00	2.21	2.80	0.162	0.036		17:45	2.37	3.03	0.194	0.149	
5:15	2.46	3.01	0.202	0.038		18:00	2.39	3.06	0.198	0.151	
5:30	2.25	2.69	0.160	0.039		18:15	2.54	2.97	0.209	0.153	
5:45	2.30	3.16	0.193	0.041		18:30	2.41	3.05	0.199	0.155	
6:00	2.33	3.18	0.198	0.043		18:45	2.41	3.01	0.197	0.157	
6:15	2.30	3.24	0.199	0.046		19:00	2.54	3.05	0.215	0.159	
6:30	2.50	3.20	0.220	0.048		19:15	2.46	2.90	0.195	0.162	
6:45	2.29	3.05	0.185	0.050		19:30	2.36	3.04	0.193	0.164	
7:00	2.30	2.98	0.183	0.052		19:45	2.38	3.07	0.197	0.166	
7:15	2.48	3.11	0.211	0.054		20:00	2.37	2.94	0.188	0.168	
7:30	2.26	3.08	0.184	0.056		20:15	2.37	3.04	0.194	0.170	
7:45	2.36	3.15	0.199	0.058		20:30	2.44	2.95	0.196	0.172	
8:00	2.33	3.11	0.194	0.060		20:45	2.43	3.09	0.204	0.174	
8:15	2.36	3.20	0.204	0.062		21:00	2.39	3.07	0.198	0.176	
8:30	2.56	3.23	0.230	0.064		21:15	2.46	2.93	0.197	0.178	
8:45	2.31	3.02	0.186	0.066		21:30	2.37	2.97	0.189	0.180	
9:00	2.40	2.98	0.194	0.068		21:45	2.52	3.02	0.210	0.182	
9:15	2.65	3.05	0.227	0.071		22:00	2.33	3.01	0.187	0.184	
9:30	2.40	3.11	0.202	0.073		22:15	2.48	3.18	0.216	0.186	
9:45	2.37	3.07	0.196	0.075		22:30	2.26	2.85	0.170	0.188	
10:00	2.67	3.10	0.234	0.077		22:45	2.33	2.98	0.186	0.190	
10:15	2.44	2.96	0.198	0.079		23:00	2.33	3.17	0.198	0.192	
10:30	2.62	3.22	0.237	0.082		23:15	2.34	3.12	0.195	0.194	
10:45	2.40	3.07	0.200	0.084		23:30	2.31	2.98	0.184	0.196	
11:00	2.57	3.23	0.231	0.086		23:45	2.28	2.78	0.168	0.198	
11:15	3.05	3.68	0.335	0.090		<b>Daily Totals:</b>		0.168		<b>0.198</b>	<b>0.01</b>
11:30	2.58	3.08	0.222	0.092		<b>Data reported every:</b>	15 Minutes				
11:45	2.63	3.15	0.233	0.095							
12:00	2.88	3.38	0.283	0.097							
12:15	2.57	3.28	0.235	0.100							

# Daily Flow Report



Site:

1  
Beaver St. at Valley View Rd. Waltham, MA 10" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/3/2014</b>						12:30	2.50	2.83	0.195	0.097	
0:00	2.23	2.82	0.165	0.002		12:45	2.53	3.09	0.217	0.100	
0:15	2.27	2.71	0.162	0.003		13:00	2.74	3.07	0.240	0.102	
0:30	2.37	3.06	0.196	0.005		13:15	2.50	3.08	0.213	0.104	
0:45	2.21	2.24	0.129	0.007		13:30	2.44	3.02	0.201	0.106	
1:00	2.41	2.92	0.191	0.009		13:45	2.42	3.09	0.203	0.108	
1:15	2.19	2.61	0.150	0.010		14:00	2.45	3.08	0.206	0.111	
1:30	2.15	2.41	0.134	0.012		14:15	2.49	3.06	0.209	0.113	
1:45	2.40	2.94	0.191	0.014		14:30	2.34	3.00	0.189	0.115	
2:00	2.21	2.55	0.147	0.015		14:45	2.56	3.11	0.221	0.117	
2:15	2.18	2.19	0.125	0.017		15:00	2.32	3.08	0.191	0.119	
2:30	2.41	2.80	0.183	0.018		15:15	2.32	3.02	0.187	0.121	
2:45	2.19	2.37	0.135	0.020		15:30	2.40	2.97	0.193	0.123	
3:00	2.16	2.17	0.122	0.021		15:45	2.59	3.02	0.218	0.125	
3:15	2.45	2.85	0.191	0.023		16:00	2.33	2.92	0.182	0.127	
3:30	2.14	2.28	0.126	0.024		16:15	2.39	3.05	0.197	0.129	
3:45	2.33	2.85	0.178	0.026		16:30	2.40	2.91	0.189	0.131	
4:00	2.17	2.05	0.116	0.028		16:45	2.53	3.08	0.215	0.133	
4:15	2.40	3.11	0.202	0.030		17:00	2.41	2.89	0.190	0.135	
4:30	2.18	2.40	0.137	0.031		17:15	2.32	2.99	0.186	0.137	
4:45	2.25	2.49	0.148	0.033		17:30	2.60	3.08	0.225	0.140	
5:00	2.45	3.02	0.202	0.035		17:45	2.40	3.11	0.202	0.142	
5:15	2.23	2.45	0.144	0.036		18:00	2.32	3.02	0.187	0.144	
5:30	2.28	2.48	0.150	0.038		18:15	2.26	2.92	0.174	0.146	
5:45	2.36	3.01	0.191	0.040		18:30	2.50	3.15	0.217	0.148	
6:00	2.43	2.98	0.197	0.042		18:45	2.28	2.94	0.178	0.150	
6:15	2.33	2.86	0.179	0.044		19:00	2.29	2.96	0.180	0.152	
6:30	2.39	3.02	0.195	0.046		19:15	2.42	3.01	0.198	0.154	
6:45	2.53	3.07	0.215	0.048		19:30	2.47	3.02	0.205	0.156	
7:00	2.47	3.02	0.204	0.050		19:45	2.32	2.95	0.183	0.158	
7:15	2.41	3.03	0.198	0.052		20:00	2.38	3.11	0.200	0.160	
7:30	2.48	3.03	0.207	0.054		20:15	2.30	2.74	0.168	0.161	
7:45	2.36	2.90	0.184	0.056		20:30	2.61	3.30	0.241	0.164	
8:00	2.43	2.93	0.194	0.058		20:45	2.34	3.01	0.188	0.166	
8:15	2.42	3.09	0.204	0.060		21:00	2.23	2.92	0.171	0.168	
8:30	2.62	3.04	0.223	0.063		21:15	2.19	2.86	0.164	0.169	
8:45	2.58	3.08	0.222	0.065		21:30	2.37	3.05	0.195	0.171	
9:00	2.45	2.78	0.186	0.067		21:45	2.31	2.94	0.182	0.173	
9:15	2.46	3.04	0.205	0.069		22:00	2.28	2.88	0.174	0.175	
9:30	2.45	2.88	0.192	0.071		22:15	2.35	3.04	0.191	0.177	
9:45	2.54	2.96	0.208	0.073		22:30	2.31	3.13	0.193	0.179	
10:00	2.48	2.92	0.200	0.075		22:45	2.27	2.80	0.169	0.181	
10:15	2.69	3.19	0.244	0.078		23:00	2.18	2.39	0.136	0.182	
10:30	2.54	3.00	0.211	0.080		23:15	2.19	2.87	0.164	0.184	
10:45	2.43	2.90	0.193	0.082		23:30	2.33	3.02	0.188	0.186	
11:00	2.59	3.01	0.218	0.084		23:45	2.18	2.30	0.130	0.187	
11:15	2.54	3.09	0.218	0.087		<b>Daily Totals:</b>		0.130		0.187	0.00
11:30	2.54	3.13	0.221	0.089		<b>Data reported every:</b>	15 Minutes				
11:45	2.41	2.90	0.190	0.091							
12:00	2.58	3.08	0.222	0.093							
12:15	2.39	3.09	0.200	0.095							



# Daily Flow Report



Site:

1  
 Beaver St. at Valley View Rd. Waltham, MA 10" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/4/2014</b>						12:30	2.55	3.20	0.226	0.090	
0:00	2.19	2.74	0.156	0.002		12:45	2.30	3.10	0.190	0.092	
0:15	2.16	2.20	0.123	0.003		13:00	2.34	2.80	0.176	0.094	
0:30	2.31	2.84	0.175	0.005		13:15	2.38	3.01	0.193	0.096	
0:45	2.16	1.90	0.106	0.006		13:30	2.38	3.03	0.196	0.098	
1:00	2.44	3.02	0.202	0.008		13:45	2.31	2.95	0.181	0.100	
1:15	2.20	2.08	0.119	0.009		14:00	2.36	3.05	0.194	0.102	
1:30	2.27	2.53	0.152	0.011		14:15	2.30	3.03	0.186	0.104	
1:45	2.16	2.19	0.122	0.012		14:30	2.77	3.26	0.259	0.107	
2:00	2.15	2.01	0.111	0.013		14:45	2.74	3.28	0.257	0.109	
2:15	2.19	2.57	0.146	0.015		15:00	2.78	3.33	0.267	0.112	
2:30	2.16	2.28	0.128	0.016		15:15	2.70	3.42	0.263	0.115	
2:45	2.34	2.99	0.187	0.018		15:30	2.75	3.20	0.252	0.117	
3:00	2.14	2.22	0.122	0.019		15:45	3.03	3.25	0.294	0.121	
3:15	2.25	2.56	0.152	0.021		16:00	2.79	3.21	0.259	0.123	
3:30	2.15	2.27	0.126	0.022		16:15	2.69	3.15	0.241	0.126	
3:45	2.16	2.27	0.127	0.024		16:30	2.75	3.11	0.245	0.128	
4:00	2.18	2.21	0.125	0.025		16:45	3.18	2.81	0.271	0.131	
4:15	2.27	2.65	0.160	0.026		17:00	2.79	3.22	0.259	0.134	
4:30	2.19	2.31	0.132	0.028		17:15	2.75	3.20	0.252	0.136	
4:45	2.18	2.31	0.131	0.029		17:30	2.75	3.08	0.243	0.139	
5:00	2.34	2.99	0.187	0.031		17:45	2.77	3.28	0.260	0.142	
5:15	2.25	2.66	0.158	0.033		18:00	2.77	3.26	0.259	0.144	
5:30	2.18	2.44	0.138	0.034		18:15	2.67	3.15	0.238	0.147	
5:45	2.17	2.59	0.147	0.036		18:30	2.90	3.42	0.290	0.150	
6:00	2.23	2.61	0.153	0.037		18:45	2.75	3.27	0.257	0.153	
6:15	2.32	2.92	0.180	0.039		19:00	3.00	3.46	0.308	0.156	
6:30	2.35	2.94	0.185	0.041		19:15	2.67	3.38	0.255	0.158	
6:45	2.38	3.04	0.195	0.043		19:30	2.76	3.32	0.263	0.161	
7:00	2.27	2.93	0.176	0.045		19:45	2.81	3.43	0.278	0.164	
7:15	2.42	3.04	0.199	0.047		20:00	2.76	3.37	0.267	0.167	
7:30	2.29	2.96	0.180	0.049		20:15	2.97	3.05	0.268	0.170	
7:45	2.33	2.96	0.185	0.051		20:30	2.71	3.15	0.243	0.172	
8:00	2.31	2.83	0.174	0.053		20:45	2.58	3.10	0.223	0.174	
8:15	2.28	2.98	0.180	0.055		21:00	2.65	2.89	0.217	0.177	
8:30	2.47	3.05	0.206	0.057		21:15	2.92	3.36	0.288	0.180	
8:45	2.43	2.94	0.194	0.059		21:30	2.75	3.30	0.259	0.182	
9:00	2.41	3.04	0.198	0.061		21:45	2.63	3.29	0.244	0.185	
9:15	2.36	3.01	0.191	0.063		22:00	2.63	3.18	0.235	0.187	
9:30	2.36	3.08	0.196	0.065		22:15	2.58	3.10	0.223	0.190	
9:45	2.46	3.06	0.206	0.067		22:30	2.84	3.39	0.279	0.193	
10:00	2.36	2.99	0.190	0.069		22:45	2.64	3.34	0.249	0.195	
10:15	2.59	3.11	0.225	0.071		23:00	2.57	2.97	0.213	0.197	
10:30	2.63	3.23	0.239	0.074		23:15	2.63	2.90	0.214	0.200	
10:45	2.38	3.08	0.198	0.076		23:30	2.52	3.13	0.219	0.202	
11:00	2.38	2.95	0.190	0.078		23:45	2.50	2.77	0.191	0.204	
11:15	2.35	2.90	0.184	0.080		<b>Daily Totals:</b>		0.191		<b>0.204</b>	<b>0.00</b>
11:30	2.56	3.09	0.220	0.082		<b>Data reported every:</b>	15 Minutes				
11:45	2.33	2.95	0.184	0.084							
12:00	2.46	2.84	0.192	0.086							
12:15	2.30	2.98	0.182	0.088							

# Daily Flow Report



Site:

1  
Beaver St. at Valley View Rd. Waltham, MA 10" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/5/2014</b>						12:30	2.47	2.92	0.198	0.111	
0:00	2.57	3.06	0.220	0.002		12:45	2.42	3.05	0.201	0.113	
0:15	2.52	2.93	0.204	0.004		13:00	2.74	3.12	0.245	0.116	
0:30	2.66	3.18	0.239	0.007		13:15	2.47	3.13	0.212	0.118	
0:45	2.77	3.11	0.247	0.009		13:30	2.46	2.98	0.200	0.120	
1:00	2.53	2.89	0.202	0.012		13:45	2.39	2.87	0.185	0.122	
1:15	2.49	2.74	0.188	0.014		14:00	2.40	3.06	0.198	0.124	
1:30	2.50	2.84	0.195	0.016		14:15	2.64	3.33	0.248	0.127	
1:45	2.51	2.66	0.185	0.018		14:30	2.34	3.05	0.192	0.129	
2:00	2.83	3.21	0.264	0.020		14:45	2.44	2.78	0.185	0.131	
2:15	2.63	3.04	0.225	0.023		15:00	2.41	2.84	0.186	0.133	
2:30	2.53	2.89	0.202	0.025		15:15	2.42	2.94	0.194	0.135	
2:45	2.54	2.77	0.196	0.027		15:30	2.66	3.09	0.232	0.137	
3:00	2.50	2.65	0.183	0.029		15:45	2.35	2.98	0.188	0.139	
3:15	2.59	2.83	0.205	0.031		16:00	2.40	2.95	0.192	0.141	
3:30	2.60	2.94	0.214	0.033		16:15	2.42	3.03	0.199	0.143	
3:45	2.51	2.77	0.192	0.035		16:30	2.39	3.07	0.199	0.145	
4:00	2.50	2.83	0.195	0.037		16:45	2.53	3.33	0.233	0.148	
4:15	2.52	3.00	0.209	0.039		17:00	2.40	3.07	0.200	0.150	
4:30	2.54	3.04	0.214	0.041		17:15	2.31	2.66	0.164	0.151	
4:45	2.55	3.07	0.217	0.044		17:30	2.37	3.06	0.196	0.153	
5:00	2.62	3.13	0.230	0.046		17:45	2.43	3.03	0.200	0.156	
5:15	2.77	3.39	0.270	0.049		18:00	2.65	3.02	0.226	0.158	
5:30	2.31	2.84	0.175	0.051		18:15	2.38	2.98	0.191	0.160	
5:45	2.26	2.79	0.166	0.052		18:30	2.27	2.86	0.172	0.162	
6:00	2.33	2.90	0.180	0.054		18:45	2.36	2.97	0.189	0.164	
6:15	2.32	2.86	0.177	0.056		19:00	2.36	2.94	0.187	0.166	
6:30	2.47	3.06	0.207	0.058		19:15	2.44	3.00	0.200	0.168	
6:45	2.44	3.10	0.206	0.061		19:30	2.32	2.98	0.185	0.170	
7:00	2.43	2.93	0.194	0.063		19:45	2.27	2.90	0.174	0.171	
7:15	2.32	2.92	0.181	0.064		20:00	2.33	2.89	0.180	0.173	
7:30	2.34	3.04	0.191	0.066		20:15	2.39	3.03	0.196	0.175	
7:45	2.40	2.89	0.188	0.068		20:30	2.44	2.95	0.197	0.177	
8:00	2.46	2.96	0.200	0.070		20:45	2.17	2.53	0.142	0.179	
8:15	2.46	2.90	0.196	0.072		21:00	2.29	2.86	0.174	0.181	
8:30	2.43	3.06	0.202	0.075		21:15	2.23	2.75	0.161	0.182	
8:45	2.38	3.00	0.193	0.077		21:30	2.19	2.60	0.148	0.184	
9:00	2.49	2.97	0.204	0.079		21:45	2.13	2.21	0.122	0.185	
9:15	2.75	3.28	0.259	0.081		22:00	2.07	2.10	0.111	0.186	
9:30	2.58	3.03	0.218	0.084		22:15	2.30	2.75	0.169	0.188	
9:45	2.45	2.91	0.195	0.086		22:30	2.17	2.24	0.126	0.189	
10:00	2.45	3.13	0.209	0.088		22:45	2.10	2.46	0.132	0.191	
10:15	2.69	3.10	0.237	0.090		23:00	2.11	2.52	0.136	0.192	
10:30	2.69	3.55	0.271	0.093		23:15	2.18	2.46	0.140	0.194	
10:45	2.43	3.16	0.209	0.095		23:30	2.23	2.76	0.161	0.195	
11:00	2.34	2.98	0.187	0.097		23:45	2.06	2.26	0.119	0.197	
11:15	2.50	3.01	0.207	0.099		<b>Daily Totals:</b>		0.119		<b>0.197</b>	<b>0.00</b>
11:30	2.62	3.05	0.225	0.102		<b>Data reported every:</b>	15 Minutes				
11:45	2.79	3.22	0.259	0.105							
12:00	2.53	3.14	0.220	0.107							
12:15	2.61	3.20	0.235	0.109							

# Daily Flow Report



Site:

1  
Beaver St. at Valley View Rd. Waltham, MA 10" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/6/2014</b>						12:30	2.44	3.24	0.216	0.089	
0:00	2.07	2.40	0.126	0.001		12:45	2.41	2.84	0.185	0.091	
0:15	2.10	2.34	0.126	0.003		13:00	2.24	2.65	0.156	0.092	
0:30	2.31	2.92	0.180	0.005		13:15	2.37	2.98	0.191	0.094	
0:45	2.10	2.25	0.122	0.006		13:30	2.37	2.79	0.178	0.096	
1:00	2.12	2.23	0.121	0.007		13:45	2.60	3.12	0.228	0.099	
1:15	2.10	2.31	0.124	0.008		14:00	2.42	3.06	0.201	0.101	
1:30	2.17	2.26	0.127	0.010		14:15	2.34	2.66	0.167	0.102	
1:45	2.45	3.06	0.205	0.012		14:30	2.33	2.93	0.183	0.104	
2:00	2.08	2.41	0.128	0.013		14:45	2.41	2.81	0.184	0.106	
2:15	2.06	2.12	0.111	0.014		15:00	2.45	2.99	0.200	0.108	
2:30	2.08	2.40	0.127	0.016		15:15	2.34	2.82	0.177	0.110	
2:45	2.14	2.36	0.130	0.017		15:30	2.32	2.79	0.173	0.112	
3:00	2.04	2.24	0.115	0.018		15:45	2.36	2.94	0.187	0.114	
3:15	2.01	2.42	0.122	0.019		16:00	2.55	3.11	0.220	0.116	
3:30	2.08	2.39	0.127	0.021		16:15	2.42	3.06	0.201	0.118	
3:45	2.08	2.26	0.120	0.022		16:30	2.58	3.03	0.218	0.121	
4:00	2.12	2.62	0.143	0.023		16:45	2.28	2.68	0.162	0.122	
4:15	2.09	2.38	0.127	0.025		17:00	2.20	2.30	0.132	0.124	
4:30	2.19	2.45	0.140	0.026		17:15	2.38	2.72	0.175	0.126	
4:45	2.12	2.44	0.133	0.028		17:30	2.29	2.59	0.158	0.127	
5:00	2.10	2.38	0.128	0.029		17:45	2.40	2.91	0.189	0.129	
5:15	2.38	2.91	0.187	0.031		18:00	2.59	3.04	0.221	0.131	
5:30	2.21	2.33	0.135	0.032		18:15	2.42	2.90	0.190	0.133	
5:45	2.41	3.00	0.196	0.034		18:30	2.24	2.68	0.159	0.135	
6:00	2.26	2.77	0.166	0.036		18:45	2.40	2.99	0.194	0.137	
6:15	2.32	2.61	0.161	0.038		19:00	2.30	2.70	0.165	0.139	
6:30	2.44	3.03	0.202	0.040		19:15	2.38	2.78	0.178	0.141	
6:45	2.18	2.44	0.138	0.041		19:30	2.24	2.89	0.170	0.142	
7:00	2.44	2.90	0.193	0.043		19:45	2.34	3.16	0.199	0.144	
7:15	2.31	2.71	0.167	0.045		20:00	2.23	2.81	0.165	0.146	
7:30	2.28	2.80	0.169	0.047		20:15	2.22	2.86	0.167	0.148	
7:45	2.46	3.02	0.203	0.049		20:30	2.17	2.62	0.148	0.149	
8:00	2.41	3.00	0.196	0.051		20:45	2.39	3.29	0.213	0.152	
8:15	2.38	2.98	0.191	0.053		21:00	2.20	2.75	0.159	0.153	
8:30	2.60	3.05	0.222	0.055		21:15	2.21	2.66	0.154	0.155	
8:45	2.40	2.98	0.194	0.057		21:30	2.14	2.66	0.147	0.157	
9:00	2.35	3.07	0.194	0.059		21:45	2.13	2.56	0.140	0.158	
9:15	2.40	3.04	0.198	0.061		22:00	2.22	2.52	0.147	0.159	
9:30	2.38	3.09	0.198	0.063		22:15	2.42	3.29	0.216	0.162	
9:45	2.57	3.10	0.222	0.066		22:30	2.10	2.53	0.136	0.163	
10:00	2.31	2.95	0.181	0.068		22:45	2.30	2.96	0.181	0.165	
10:15	2.37	2.82	0.180	0.070		23:00	2.13	2.72	0.149	0.167	
10:30	2.51	3.11	0.216	0.072		23:15	2.07	2.35	0.124	0.168	
10:45	2.43	3.11	0.206	0.074		23:30	2.24	2.74	0.162	0.170	
11:00	2.48	3.06	0.208	0.076		23:45	2.40	3.19	0.208	0.172	
11:15	2.59	3.02	0.218	0.078		<b>Daily Totals:</b>		0.208		0.172	0.00
11:30	2.45	3.03	0.203	0.081		<b>Data reported every:</b>	15 Minutes				
11:45	2.37	2.77	0.177	0.082							
12:00	2.50	3.02	0.208	0.085							
12:15	2.47	2.94	0.199	0.087							

# Daily Flow Report



Site:

1  
Beaver St. at Valley View Rd. Waltham, MA 10" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/7/2014</b>						12:30	2.35	3.03	0.191	0.089	
0:00	2.13	2.55	0.140	0.001		12:45	2.43	3.20	0.212	0.091	
0:15	2.17	2.55	0.143	0.003		13:00	2.31	2.89	0.178	0.093	
0:30	2.07	2.57	0.135	0.004		13:15	2.46	3.12	0.210	0.095	
0:45	2.04	2.60	0.134	0.006		13:30	2.53	3.21	0.226	0.098	
1:00	2.08	2.75	0.146	0.007		13:45	2.32	2.89	0.179	0.099	
1:15	2.28	2.91	0.176	0.009		14:00	2.33	2.99	0.186	0.101	
1:30	2.07	2.37	0.125	0.010		14:15	2.50	3.16	0.218	0.104	
1:45	2.03	2.30	0.118	0.012		14:30	2.44	3.15	0.210	0.106	
2:00	2.08	2.33	0.124	0.013		14:45	2.51	3.38	0.234	0.108	
2:15	2.16	2.72	0.152	0.015		15:00	2.31	2.84	0.175	0.110	
2:30	1.99	2.11	0.105	0.016		15:15	2.53	3.18	0.223	0.112	
2:45	2.32	2.71	0.167	0.017		15:30	2.19	2.71	0.154	0.114	
3:00	2.04	2.15	0.111	0.018		15:45	2.27	2.88	0.173	0.116	
3:15	2.00	2.06	0.103	0.020		16:00	2.31	2.90	0.179	0.118	
3:30	2.09	2.63	0.140	0.021		16:15	2.60	3.21	0.233	0.120	
3:45	2.02	2.48	0.126	0.022		16:30	2.32	2.99	0.185	0.122	
4:00	2.01	2.22	0.112	0.024		16:45	2.28	2.79	0.169	0.124	
4:15	2.43	2.39	0.159	0.025		17:00	2.23	2.58	0.152	0.125	
4:30	2.09	2.36	0.127	0.026		17:15	2.22	2.73	0.159	0.127	
4:45	2.11	2.65	0.143	0.028		17:30	2.30	2.90	0.178	0.129	
5:00	2.16	2.73	0.153	0.030		17:45	2.48	3.24	0.221	0.131	
5:15	2.12	2.61	0.142	0.031		18:00	2.34	2.76	0.173	0.133	
5:30	2.21	2.58	0.149	0.033		18:15	2.33	2.75	0.171	0.135	
5:45	2.53	3.24	0.227	0.035		18:30	2.32	2.60	0.161	0.136	
6:00	2.25	2.66	0.158	0.037		18:45	2.40	2.95	0.191	0.138	
6:15	2.32	2.94	0.182	0.039		19:00	2.32	2.82	0.175	0.140	
6:30	2.28	2.81	0.170	0.040		19:15	2.26	2.78	0.166	0.142	
6:45	2.33	3.04	0.189	0.042		19:30	2.26	2.78	0.166	0.144	
7:00	2.42	2.85	0.187	0.044		19:45	2.26	2.75	0.164	0.145	
7:15	2.47	3.26	0.221	0.047		20:00	2.44	2.85	0.189	0.147	
7:30	2.23	2.76	0.161	0.048		20:15	2.39	2.74	0.177	0.149	
7:45	2.37	2.95	0.189	0.050		20:30	2.27	2.63	0.159	0.151	
8:00	2.25	2.69	0.160	0.052		20:45	2.37	2.71	0.174	0.153	
8:15	2.34	2.99	0.187	0.054		21:00	2.50	3.00	0.206	0.155	
8:30	2.27	2.90	0.175	0.056		21:15	2.12	2.44	0.133	0.156	
8:45	2.49	3.27	0.224	0.058		21:30	2.23	2.74	0.160	0.158	
9:00	2.19	2.75	0.157	0.060		21:45	2.15	2.75	0.153	0.159	
9:15	2.29	2.96	0.180	0.061		22:00	2.10	2.39	0.128	0.161	
9:30	2.37	2.93	0.187	0.063		22:15	2.34	2.81	0.176	0.163	
9:45	2.48	3.21	0.218	0.066		22:30	2.39	2.78	0.180	0.165	
10:00	2.19	2.81	0.160	0.067		22:45	2.05	2.40	0.125	0.166	
10:15	2.45	3.21	0.215	0.070		23:00	2.28	2.75	0.166	0.168	
10:30	2.50	3.21	0.221	0.072		23:15	2.05	2.42	0.126	0.169	
10:45	2.38	3.02	0.194	0.074		23:30	2.10	2.30	0.124	0.170	
11:00	2.42	3.08	0.203	0.076		23:45	2.24	2.57	0.152	0.172	
11:15	2.56	3.19	0.227	0.078		<b>Daily Totals:</b>		0.152		0.172	0.00
11:30	2.37	3.06	0.196	0.080		<b>Data reported every:</b>	15 Minutes				
11:45	2.28	2.93	0.177	0.082							
12:00	2.60	3.29	0.239	0.085							
12:15	2.51	3.09	0.213	0.087							

# Daily Flow Report

Site:

1  
 Beaver St. at Valley View Rd. Waltham, MA 10" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/8/2014</b>						12:30	2.41	2.83	0.186	0.086	
0:00	2.05	2.16	0.113	0.001		12:45	2.44	2.90	0.193	0.088	
0:15	2.08	2.26	0.120	0.002		13:00	2.68	3.08	0.234	0.090	
0:30	2.09	2.47	0.132	0.004		13:15	2.33	2.73	0.171	0.092	
0:45	2.03	2.39	0.122	0.005		13:30	2.50	2.88	0.198	0.094	
1:00	2.04	2.31	0.120	0.006		13:45	2.48	2.83	0.193	0.096	
1:15	2.06	2.24	0.117	0.008		14:00	2.36	2.93	0.186	0.098	
1:30	2.03	2.12	0.108	0.009		14:15	2.58	2.94	0.212	0.100	
1:45	2.48	2.79	0.190	0.011		14:30	2.48	2.96	0.202	0.102	
2:00	2.02	2.71	0.138	0.012		14:45	2.30	2.83	0.173	0.104	
2:15	2.03	2.63	0.135	0.013		15:00	2.39	2.90	0.188	0.106	
2:30	2.10	2.56	0.137	0.015		15:15	2.22	2.75	0.160	0.108	
2:45	2.00	2.68	0.135	0.016		15:30	2.36	2.82	0.179	0.110	
3:00	2.04	2.81	0.144	0.018		15:45	2.47	2.81	0.191	0.112	
3:15	2.32	2.93	0.181	0.020		16:00	2.25	2.64	0.156	0.113	
3:30	1.99	2.05	0.102	0.021		16:15	2.31	2.64	0.163	0.115	
3:45	2.03	2.07	0.106	0.022		16:30	2.32	2.63	0.163	0.117	
4:00	2.05	2.43	0.126	0.023		16:45	2.23	2.74	0.161	0.118	
4:15	2.02	2.24	0.114	0.024		17:00	2.27	2.71	0.163	0.120	
4:30	2.12	2.53	0.138	0.026		17:15	2.35	2.77	0.175	0.122	
4:45	2.08	2.28	0.121	0.027		17:30	2.29	2.63	0.160	0.124	
5:00	2.07	2.46	0.130	0.028		17:45	2.54	3.08	0.217	0.126	
5:15	2.29	2.68	0.163	0.030		18:00	2.49	2.89	0.198	0.128	
5:30	2.19	2.75	0.157	0.032		18:15	2.27	2.78	0.167	0.130	
5:45	2.26	2.62	0.156	0.033		18:30	2.19	2.61	0.150	0.131	
6:00	2.26	2.74	0.164	0.035		18:45	2.36	2.90	0.184	0.133	
6:15	2.20	2.67	0.153	0.037		19:00	2.16	2.42	0.135	0.135	
6:30	2.71	3.04	0.235	0.039		19:15	2.17	2.45	0.138	0.136	
6:45	2.25	2.74	0.163	0.041		19:30	2.67	3.08	0.233	0.138	
7:00	2.32	2.55	0.158	0.042		19:45	2.19	2.70	0.154	0.140	
7:15	2.27	2.76	0.166	0.044		20:00	2.18	2.43	0.138	0.141	
7:30	2.35	2.76	0.174	0.046		20:15	2.25	2.58	0.153	0.143	
7:45	2.30	2.73	0.167	0.048		20:30	2.11	2.20	0.119	0.144	
8:00	2.42	2.87	0.189	0.050		20:45	2.17	2.47	0.140	0.146	
8:15	2.60	3.15	0.229	0.052		21:00	2.33	2.77	0.173	0.148	
8:30	2.44	2.99	0.199	0.054		21:15	2.41	2.88	0.188	0.149	
8:45	2.46	3.05	0.206	0.056		21:30	2.12	2.44	0.134	0.151	
9:00	2.30	2.77	0.169	0.058		21:45	2.12	2.55	0.139	0.152	
9:15	2.25	2.74	0.163	0.060		22:00	2.25	2.53	0.150	0.154	
9:30	2.32	2.75	0.171	0.062		22:15	2.11	2.51	0.137	0.155	
9:45	2.77	3.19	0.254	0.064		22:30	2.11	2.31	0.125	0.157	
10:00	2.33	2.82	0.176	0.066		22:45	2.01	1.99	0.101	0.158	
10:15	2.39	3.03	0.196	0.068		23:00	2.22	2.17	0.127	0.159	
10:30	2.43	2.85	0.188	0.070		23:15	2.10	2.56	0.138	0.160	
10:45	2.29	2.78	0.169	0.072		23:30	2.02	2.49	0.127	0.162	
11:00	2.28	2.64	0.160	0.074		23:45	2.08	2.42	0.128	0.163	
11:15	2.54	3.02	0.213	0.076		<b>Daily Totals:</b>		0.128		<b>0.163</b>	<b>0.00</b>
11:30	2.38	2.89	0.185	0.078		<b>Data reported every:</b>	15 Minutes				
11:45	2.41	2.89	0.189	0.080							
12:00	2.63	3.07	0.227	0.082							
12:15	2.44	2.84	0.188	0.084							

# Daily Flow Report



Site:

1  
Beaver St. at Valley View Rd. Waltham, MA 10" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/9/2014</b>						12:30	2.10	2.47	0.133	0.070	
0:00	1.97	1.95	0.096	0.001		12:45	2.08	2.40	0.127	0.072	
0:15	1.99	1.84	0.092	0.002		13:00	2.50	2.97	0.205	0.074	
0:30	2.00	1.88	0.094	0.003		13:15	2.45	2.77	0.186	0.076	
0:45	1.98	1.93	0.096	0.004		13:30	2.31	2.47	0.152	0.077	
1:00	1.96	1.98	0.096	0.005		13:45	2.25	2.54	0.150	0.079	0.01
1:15	1.98	2.21	0.109	0.006		14:00	2.46	2.90	0.196	0.081	
1:30	1.96	2.10	0.102	0.007		14:15	2.30	2.54	0.156	0.083	
1:45	2.06	2.32	0.122	0.008		14:30	2.19	2.46	0.141	0.084	
2:00	1.96	1.85	0.090	0.009		14:45	2.69	3.08	0.235	0.086	
2:15	1.90	1.89	0.088	0.010		15:00	2.27	2.49	0.150	0.088	
2:30	2.11	2.24	0.121	0.012		15:15	2.17	2.38	0.134	0.089	
2:45	1.93	2.11	0.100	0.013		15:30	2.19	2.47	0.140	0.091	
3:00	1.93	1.93	0.092	0.014		15:45	2.13	2.41	0.132	0.092	
3:15	2.02	1.71	0.087	0.014		16:00	2.15	2.34	0.131	0.094	
3:30	1.92	1.90	0.090	0.015		16:15	2.21	2.28	0.132	0.095	
3:45	1.96	1.99	0.097	0.016		16:30	2.23	2.64	0.155	0.097	
4:00	2.01	2.12	0.107	0.018		16:45	2.17	2.49	0.141	0.098	
4:15	1.94	2.05	0.098	0.019		17:00	2.03	2.29	0.117	0.099	
4:30	1.91	2.10	0.099	0.020		17:15	2.06	2.38	0.124	0.101	
4:45	1.97	2.40	0.118	0.021		17:30	2.15	2.48	0.139	0.102	
5:00	1.99	2.25	0.112	0.022		17:45	2.06	2.31	0.121	0.103	
5:15	2.09	2.46	0.131	0.023		18:00	2.09	2.50	0.133	0.105	
5:30	2.05	2.41	0.125	0.025		18:15	2.19	2.50	0.143	0.106	
5:45	2.04	2.50	0.129	0.026		18:30	2.11	2.35	0.127	0.108	
6:00	2.19	2.59	0.147	0.027		18:45	2.16	2.39	0.134	0.109	
6:15	2.28	2.58	0.156	0.029		19:00	1.98	2.06	0.102	0.110	
6:30	2.25	2.60	0.154	0.031		19:15	2.05	2.27	0.118	0.111	
6:45	2.26	2.54	0.152	0.032		19:30	2.14	2.54	0.140	0.113	
7:00	2.33	2.72	0.170	0.034		19:45	2.06	2.42	0.127	0.114	
7:15	2.22	2.63	0.153	0.036		20:00	2.11	2.36	0.128	0.115	
7:30	2.20	2.57	0.148	0.037		20:15	2.02	2.41	0.122	0.117	
7:45	2.58	3.03	0.218	0.039		20:30	2.09	2.18	0.116	0.118	
8:00	2.32	2.73	0.170	0.041		20:45	2.10	2.32	0.125	0.119	
8:15	2.37	2.81	0.179	0.043		21:00	2.00	2.26	0.114	0.120	
8:30	2.32	2.78	0.172	0.045		21:15	2.14	2.47	0.137	0.122	
8:45	2.17	2.44	0.138	0.046		21:30	1.97	2.25	0.110	0.123	
9:00	2.17	2.39	0.135	0.048		21:45	1.99	2.18	0.109	0.124	
9:15	2.25	2.67	0.159	0.049		22:00	1.99	2.17	0.108	0.125	
9:30	2.57	3.00	0.215	0.052		22:15	1.93	2.09	0.099	0.126	
9:45	2.20	2.60	0.150	0.053		22:30	1.95	2.13	0.103	0.127	
10:00	2.13	2.51	0.137	0.055		22:45	1.98	2.18	0.108	0.128	
10:15	2.20	2.51	0.144	0.056		23:00	2.04	2.15	0.111	0.130	
10:30	2.20	2.60	0.149	0.058		23:15	1.93	1.97	0.094	0.130	
10:45	2.29	2.54	0.155	0.059		23:30	1.99	2.29	0.114	0.132	
11:00	2.18	2.57	0.146	0.061		23:45	2.11	2.48	0.134	0.133	
11:15	2.57	2.87	0.205	0.063		<b>Daily Totals:</b>		0.134		<b>0.133</b>	<b>0.01</b>
11:30	2.20	2.60	0.149	0.065		<b>Data reported every:</b>	15 Minutes				
11:45	2.03	2.35	0.121	0.066							
12:00	2.10	2.53	0.136	0.067							
12:15	2.35	2.73	0.172	0.069							

# Daily Flow Report



Site:

1  
Beaver St. at Valley View Rd. Waltham, MA 10" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/10/2014</b>						12:30	1.99	2.48	0.123	0.064	
0:00	1.94	2.21	0.107	0.001		12:45	2.27	2.78	0.167	0.066	
0:15	1.92	1.93	0.092	0.002		13:00	2.03	2.47	0.127	0.067	
0:30	2.10	2.56	0.138	0.004		13:15	2.03	2.58	0.132	0.069	
0:45	1.93	1.85	0.088	0.004		13:30	2.32	2.87	0.178	0.070	
1:00	1.93	1.91	0.091	0.005		13:45	2.00	2.42	0.122	0.072	
1:15	1.93	1.97	0.094	0.006		14:00	1.98	2.29	0.113	0.073	
1:30	1.93	1.99	0.095	0.007		14:15	1.89	2.41	0.112	0.074	
1:45	1.98	2.02	0.100	0.008		14:30	2.02	2.64	0.134	0.075	
2:00	1.97	2.05	0.101	0.009		14:45	2.04	2.62	0.136	0.077	
2:15	1.94	2.08	0.099	0.010		15:00	1.95	2.34	0.113	0.078	
2:30	1.89	2.11	0.098	0.011		15:15	2.44	3.03	0.201	0.080	
2:45	1.91	2.06	0.097	0.012		15:30	1.96	2.57	0.125	0.081	
3:00	2.17	2.56	0.144	0.014		15:45	2.14	2.78	0.154	0.083	
3:15	1.92	2.32	0.110	0.015		16:00	2.09	2.72	0.145	0.085	
3:30	1.94	2.08	0.100	0.016		16:15	1.97	2.39	0.117	0.086	
3:45	1.96	2.22	0.108	0.017		16:30	1.89	2.35	0.109	0.087	
4:00	1.87	2.14	0.098	0.018		16:45	2.02	2.49	0.127	0.088	
4:15	1.92	1.91	0.090	0.019		17:00	2.16	2.69	0.151	0.090	
4:30	2.04	2.25	0.116	0.020		17:15	1.93	2.41	0.115	0.091	
4:45	2.16	2.55	0.143	0.022		17:30	1.91	2.48	0.117	0.092	
5:00	1.85	1.80	0.081	0.023		17:45	2.10	2.58	0.139	0.094	0.25
5:15	1.88	2.03	0.093	0.024		18:00	1.92	2.53	0.120	0.095	0.04
5:30	1.93	2.27	0.108	0.025		18:15	2.27	2.89	0.174	0.097	
5:45	1.93	2.16	0.103	0.026		18:30	2.71	3.02	0.233	0.099	
6:00	1.93	2.12	0.101	0.027		18:45	2.67	3.01	0.227	0.102	
6:15	2.04	2.45	0.126	0.028		19:00	2.19	2.83	0.162	0.103	
6:30	2.11	2.69	0.146	0.030	0.03	19:15	2.26	2.81	0.168	0.105	
6:45	2.02	2.55	0.130	0.031	0.01	19:30	2.10	2.55	0.138	0.106	
7:00	2.06	2.53	0.133	0.033		19:45	2.08	2.68	0.142	0.108	
7:15	1.90	2.15	0.100	0.034		20:00	2.25	2.76	0.164	0.110	0.01
7:30	2.04	2.53	0.131	0.035	0.01	20:15	2.02	2.53	0.129	0.111	
7:45	1.97	2.46	0.121	0.036		20:30	1.99	2.48	0.123	0.112	
8:00	2.04	2.44	0.126	0.038		20:45	1.97	2.36	0.116	0.113	
8:15	2.16	2.72	0.152	0.039		21:00	1.92	2.44	0.115	0.115	
8:30	2.26	2.49	0.149	0.041		21:15	2.26	2.72	0.162	0.116	
8:45	2.18	2.59	0.146	0.042		21:30	1.94	2.40	0.115	0.117	
9:00	2.24	2.63	0.155	0.044		21:45	2.01	2.49	0.126	0.119	
9:15	1.98	2.30	0.113	0.045		22:00	2.26	2.71	0.162	0.120	
9:30	2.00	2.47	0.124	0.046		22:15	1.96	2.45	0.120	0.122	
9:45	2.02	2.46	0.126	0.048		22:30	1.93	2.43	0.115	0.123	
10:00	2.25	2.89	0.171	0.049		22:45	2.01	2.57	0.129	0.124	
10:15	2.01	2.47	0.125	0.051		23:00	1.90	2.32	0.109	0.125	
10:30	2.15	2.78	0.154	0.052		23:15	2.00	2.39	0.120	0.127	
10:45	2.13	2.59	0.142	0.054		23:30	1.84	1.93	0.086	0.128	
11:00	2.04	2.46	0.127	0.055		23:45	2.23	2.88	0.169	0.129	
11:15	2.28	2.75	0.167	0.057		<b>Daily Totals:</b>		0.169		<b>0.129</b>	<b>0.35</b>
11:30	2.00	2.44	0.122	0.058		<b>Data reported every:</b>	15 Minutes				
11:45	2.26	2.82	0.168	0.060							
12:00	2.07	2.74	0.144	0.061							
12:15	2.06	2.70	0.141	0.063							

# Daily Flow Report



Site:

1  
Beaver St. at Valley View Rd. Waltham, MA 10" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/11/2014</b>						12:30	2.25	2.69	0.160	0.061	
0:00	1.98	2.63	0.130	0.001		12:45	2.17	2.59	0.146	0.063	
0:15	1.83	2.39	0.105	0.002		13:00	2.12	2.52	0.137	0.064	
0:30	1.80	2.15	0.093	0.003		13:15	2.11	2.51	0.136	0.066	
0:45	1.87	2.28	0.104	0.004		13:30	2.08	2.47	0.131	0.067	
1:00	1.83	2.03	0.090	0.005		13:45	2.11	2.51	0.135	0.068	
1:15	1.83	1.81	0.080	0.006		14:00	2.06	2.45	0.128	0.070	
1:30	2.10	2.47	0.133	0.008		14:15	1.99	2.35	0.117	0.071	
1:45	1.79	2.17	0.093	0.009		14:30	1.91	2.26	0.106	0.072	
2:00	1.78	2.20	0.094	0.010		14:45	1.89	2.23	0.103	0.073	
2:15	1.84	1.87	0.083	0.010		15:00	1.91	2.26	0.106	0.074	
2:30	1.78	1.99	0.084	0.011		15:15	2.01	2.39	0.121	0.075	
2:45	1.90	2.43	0.114	0.013		15:30	1.93	2.27	0.108	0.077	
3:00	1.79	1.83	0.078	0.013		15:45	2.10	2.50	0.135	0.078	
3:15	1.85	2.37	0.106	0.014		16:00	1.98	2.34	0.115	0.079	
3:30	1.84	2.08	0.093	0.015		16:15	2.30	2.75	0.168	0.081	
3:45	1.80	2.02	0.087	0.016		16:30	2.00	2.37	0.119	0.082	
4:00	1.81	2.16	0.094	0.017		16:45	1.89	2.23	0.103	0.083	
4:15	1.74	2.11	0.087	0.018		17:00	2.07	2.46	0.130	0.085	
4:30	1.81	1.97	0.086	0.019		17:15	1.93	2.27	0.108	0.086	
4:45	1.78	2.14	0.091	0.020		17:30	1.95	2.31	0.112	0.087	
5:00	2.02	2.62	0.133	0.021		17:45	1.87	2.20	0.100	0.088	
5:15	1.73	2.00	0.082	0.022		18:00	1.85	2.18	0.098	0.089	
5:30	1.82	2.41	0.106	0.023		18:15	2.23	2.66	0.156	0.091	
5:45	1.78	1.96	0.083	0.024		18:30	1.89	2.23	0.103	0.092	
6:00	1.78	1.95	0.083	0.025		18:45	2.04	2.42	0.124	0.093	
6:15	1.99	2.08	0.104	0.026		19:00	1.89	2.22	0.102	0.094	
6:30	1.87	2.15	0.098	0.027		19:15	1.86	2.20	0.100	0.095	
6:45	2.25	2.79	0.166	0.029		19:30	2.01	2.38	0.120	0.096	
7:00	2.16	2.49	0.139	0.030		19:45	1.91	2.25	0.106	0.097	
7:15	2.00	2.44	0.123	0.032		20:00	1.91	2.26	0.106	0.098	
7:30	1.94	2.28	0.109	0.033		20:15	2.00	2.37	0.119	0.100	
7:45	2.21	2.67	0.155	0.034		20:30	1.90	2.24	0.104	0.101	
8:00	2.11	2.49	0.135	0.036		20:45	1.99	2.35	0.117	0.102	
8:15	2.06	2.41	0.126	0.037		21:00	1.84	2.16	0.096	0.103	
8:30	2.07	2.48	0.131	0.038		21:15	1.81	2.12	0.092	0.104	
8:45	2.18	2.71	0.153	0.040		21:30	1.82	2.14	0.094	0.105	
9:00	2.02	2.56	0.130	0.041		21:45	1.83	2.15	0.095	0.106	
9:15	2.15	2.53	0.141	0.043		22:00	1.85	2.18	0.098	0.107	
9:30	2.13	2.42	0.132	0.044		22:15	1.87	2.20	0.100	0.108	
9:45	2.06	2.54	0.133	0.046		22:30	2.04	2.42	0.125	0.109	
10:00	2.03	2.51	0.128	0.047		22:45	1.80	2.12	0.092	0.110	
10:15	2.18	2.61	0.148	0.049		23:00	1.84	2.17	0.096	0.111	
10:30	2.24	2.72	0.161	0.050		23:15	1.76	2.06	0.086	0.112	
10:45	2.15	2.45	0.136	0.052		23:30	1.98	2.34	0.115	0.113	
11:00	2.14	2.68	0.148	0.053		23:45	1.75	2.06	0.086	0.114	
11:15	2.06	2.42	0.126	0.054		<b>Daily Totals:</b>		0.086		0.114	0.00
11:30	1.94	2.45	0.117	0.056		<b>Data reported every:</b>	15 Minutes				
11:45	2.05	2.43	0.126	0.057							
12:00	1.97	2.33	0.115	0.058							
12:15	2.04	2.42	0.124	0.060							



# Daily Flow Report



Site:

1  
 Beaver St. at Valley View Rd. Waltham, MA 10" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/12/2014</b>						12:30	2.32	2.78	0.173	0.068	
0:00	1.78	2.09	0.089	0.001		12:45	2.51	3.03	0.211	0.070	
0:15	1.72	2.01	0.081	0.002		13:00	2.75	3.35	0.264	0.073	
0:30	2.12	2.52	0.137	0.003		13:15	2.74	3.33	0.260	0.075	
0:45	1.74	2.04	0.084	0.004		13:30	2.88	3.53	0.297	0.078	
1:00	1.74	2.04	0.083	0.005		13:45	2.59	3.14	0.228	0.081	
1:15	1.71	2.00	0.080	0.006		14:00	2.31	2.77	0.171	0.083	
1:30	1.76	2.06	0.086	0.007		14:15	2.29	2.75	0.167	0.084	
1:45	1.73	2.03	0.082	0.008		14:30	2.34	2.80	0.176	0.086	
2:00	1.74	2.04	0.084	0.008		14:45	2.41	2.89	0.189	0.088	
2:15	1.91	2.25	0.106	0.010		15:00	2.24	2.67	0.157	0.090	
2:30	1.73	2.02	0.082	0.010		15:15	2.44	2.93	0.195	0.092	
2:45	2.00	2.37	0.119	0.012		15:30	2.64	3.20	0.238	0.094	
3:00	1.72	2.01	0.081	0.012		15:45	2.21	2.64	0.153	0.096	
3:15	1.81	2.12	0.092	0.013		16:00	2.10	2.49	0.134	0.097	
3:30	1.75	2.06	0.085	0.014		16:15	2.38	2.86	0.184	0.099	
3:45	1.74	2.04	0.084	0.015		16:30	2.26	2.70	0.161	0.101	
4:00	1.81	2.12	0.092	0.016		16:45	2.03	2.41	0.124	0.102	
4:15	1.75	2.05	0.085	0.017		17:00	2.39	2.87	0.186	0.104	
4:30	1.77	2.08	0.087	0.018		17:15	2.38	2.85	0.183	0.106	
4:45	2.23	2.66	0.156	0.020		17:30	2.16	2.57	0.144	0.108	
5:00	1.86	2.19	0.099	0.021		17:45	2.51	3.03	0.211	0.110	
5:15	1.94	2.29	0.110	0.022		18:00	2.29	2.74	0.167	0.111	
5:30	2.00	2.36	0.118	0.023		18:15	2.41	2.90	0.189	0.113	
5:45	1.99	2.36	0.118	0.024		18:30	2.19	2.62	0.150	0.115	
6:00	2.09	2.49	0.133	0.026		18:45	2.14	2.55	0.142	0.116	
6:15	2.01	2.38	0.120	0.027		19:00	2.24	2.68	0.158	0.118	
6:30	2.02	2.39	0.121	0.028		19:15	2.45	2.95	0.197	0.120	
6:45	2.17	2.59	0.146	0.030		19:30	2.08	2.48	0.132	0.122	
7:00	2.06	2.45	0.129	0.031		19:45	1.95	2.31	0.112	0.123	
7:15	2.00	2.37	0.119	0.032		20:00	2.23	2.66	0.156	0.124	
7:30	2.04	2.42	0.126	0.033		20:15	2.00	2.37	0.119	0.126	
7:45	2.10	2.49	0.134	0.035		20:30	1.94	2.29	0.109	0.127	
8:00	2.13	2.54	0.139	0.036		20:45	2.10	2.50	0.135	0.128	
8:15	2.28	2.73	0.165	0.038		21:00	2.09	2.48	0.133	0.129	
8:30	2.14	2.55	0.141	0.040		21:15	1.96	2.32	0.113	0.131	
8:45	2.24	2.68	0.159	0.041		21:30	2.03	2.41	0.124	0.132	
9:00	2.55	3.08	0.219	0.043		21:45	1.98	2.34	0.115	0.133	
9:15	2.13	2.53	0.139	0.045		22:00	1.96	2.31	0.112	0.134	
9:30	2.26	2.70	0.161	0.047		22:15	1.86	2.19	0.099	0.135	
9:45	2.21	2.63	0.152	0.048		22:30	2.35	2.82	0.177	0.137	
10:00	2.13	2.53	0.139	0.050		22:45	1.86	2.19	0.099	0.138	
10:15	2.13	2.54	0.140	0.051		23:00	1.86	2.19	0.099	0.139	
10:30	2.73	3.32	0.259	0.054		23:15	1.91	2.26	0.106	0.140	
10:45	2.24	2.68	0.158	0.055		23:30	1.93	2.28	0.108	0.142	
11:00	2.12	2.52	0.138	0.057		23:45	2.04	2.42	0.125	0.143	
11:15	2.53	3.06	0.215	0.059		<b>Daily Totals:</b>		0.125		0.143	0.00
11:30	2.39	2.88	0.186	0.061		<b>Data reported every:</b>	15 Minutes				
11:45	2.20	2.63	0.151	0.063							
12:00	2.28	2.73	0.166	0.064							
12:15	2.21	2.64	0.153	0.066							

# Daily Flow Report

Site:

1  
 Beaver St. at Valley View Rd. Waltham, MA 10" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/13/2014</b>						12:30	2.02	2.91	0.148	0.061	
0:00	1.99	2.36	0.118	0.001		12:45	2.01	2.81	0.142	0.062	
0:15	1.89	2.23	0.103	0.002		13:00	1.89	2.57	0.118	0.064	
0:30	1.91	2.25	0.105	0.003		13:15	1.86	2.26	0.102	0.065	
0:45	1.91	2.25	0.105	0.004		13:30	1.83	2.40	0.106	0.066	
1:00	1.90	2.24	0.104	0.006		13:45	1.96	2.83	0.138	0.067	
1:15	1.84	2.16	0.096	0.007		14:00	1.77	2.29	0.097	0.068	
1:30	1.84	2.17	0.097	0.008		14:15	2.15	2.95	0.164	0.070	
1:45	1.82	2.15	0.094	0.009		14:30	1.86	2.77	0.125	0.071	
2:00	1.87	2.20	0.100	0.010		14:45	1.87	2.64	0.120	0.072	
2:15	1.82	2.14	0.093	0.011		15:00	1.85	2.48	0.111	0.074	
2:30	1.85	2.18	0.098	0.012		15:15	1.77	2.45	0.104	0.075	
2:45	1.82	2.14	0.094	0.013		15:30	2.00	2.85	0.143	0.076	
3:00	1.83	2.15	0.095	0.014		15:45	1.81	2.25	0.098	0.077	
3:15	1.82	2.14	0.093	0.015		16:00	1.77	2.21	0.093	0.078	
3:30	1.81	2.13	0.093	0.016		16:15	1.85	2.37	0.106	0.079	
3:45	2.28	2.72	0.164	0.017		16:30	1.82	2.55	0.112	0.080	
4:00	1.81	2.12	0.092	0.018		16:45	1.87	2.38	0.109	0.082	
4:15	1.78	2.09	0.088	0.019		17:00	2.01	2.83	0.142	0.083	
4:30	1.81	2.13	0.093	0.020		17:15	1.92	2.48	0.117	0.084	
4:45	1.75	2.06	0.085	0.021		17:30	1.86	2.28	0.103	0.085	
5:00	1.58	1.84	0.065	0.022		17:45	1.82	2.30	0.101	0.086	
5:15	1.65	1.93	0.073	0.022		18:00	1.88	2.47	0.113	0.088	
5:30	1.91	2.26	0.106	0.024		18:15	1.86	2.29	0.103	0.089	
5:45	1.75	2.05	0.085	0.024		18:30	1.89	2.35	0.109	0.090	
6:00	1.83	2.15	0.095	0.025		18:45	1.86	2.19	0.099	0.091	
6:15	2.37	2.84	0.181	0.027		19:00	1.87	2.35	0.107	0.092	
6:30	2.08	2.47	0.131	0.029		19:15	2.01	2.70	0.137	0.093	
6:45	1.98	2.35	0.117	0.030		19:30	1.92	2.35	0.112	0.094	
7:00	1.90	2.24	0.105	0.031		19:45	1.89	2.33	0.108	0.096	
7:15	1.96	2.32	0.113	0.032		20:00	1.84	1.93	0.086	0.096	
7:30	2.23	2.67	0.156	0.034		20:15	1.97	2.41	0.118	0.098	
7:45	1.88	2.22	0.102	0.035		20:30	1.80	2.12	0.091	0.099	
8:00	2.10	2.50	0.135	0.036		20:45	1.85	2.12	0.095	0.100	
8:15	1.93	2.28	0.109	0.037		21:00	1.88	2.16	0.099	0.101	
8:30	2.09	1.80	0.097	0.038		21:15	1.98	2.26	0.112	0.102	
8:45	2.08	2.83	0.150	0.040		21:30	1.91	2.28	0.107	0.103	
9:00	1.86	2.44	0.110	0.041		21:45	1.82	2.07	0.091	0.104	
9:15	1.94	2.71	0.130	0.042		22:00	1.77	1.84	0.077	0.105	
9:30	2.24	3.04	0.179	0.044		22:15	1.84	2.10	0.094	0.106	
9:45	2.06	2.88	0.151	0.046		22:30	1.83	2.20	0.097	0.107	
10:00	1.91	2.52	0.118	0.047		22:45	1.84	1.84	0.082	0.108	
10:15	1.99	2.79	0.139	0.049		23:00	1.81	2.09	0.091	0.109	
10:30	2.04	2.81	0.145	0.050		23:15	1.84	1.86	0.083	0.109	
10:45	2.10	2.90	0.156	0.052		23:30	1.77	1.61	0.068	0.110	
11:00	1.90	2.66	0.124	0.053		23:45	1.85	1.94	0.087	0.111	
11:15	1.90	2.50	0.116	0.054		<b>Daily Totals:</b>		<b>0.087</b>		<b>0.111</b>	<b>0.00</b>
11:30	2.04	2.84	0.146	0.056		<b>Data reported every:</b>	<b>15 Minutes</b>				
11:45	1.81	2.38	0.104	0.057							
12:00	1.84	2.17	0.096	0.058							
12:15	2.01	2.83	0.143	0.059							

# Daily Flow Report



Site:

1  
 Beaver St. at Valley View Rd. Waltham, MA 10" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/14/2014</b>						12:30	2.14	2.79	0.154	0.061	
0:00	1.78	1.71	0.073	0.001		12:45	2.20	2.72	0.157	0.063	
0:15	1.75	1.79	0.074	0.002		13:00	2.23	3.03	0.177	0.064	
0:30	1.71	1.87	0.075	0.002		13:15	2.16	2.84	0.160	0.066	
0:45	1.73	1.63	0.066	0.003		13:30	2.13	2.77	0.153	0.068	
1:00	2.15	1.86	0.103	0.004		13:45	2.06	2.42	0.127	0.069	
1:15	1.76	1.70	0.071	0.005		14:00	2.16	2.81	0.157	0.071	
1:30	1.75	1.50	0.062	0.005		14:15	2.14	2.61	0.144	0.072	
1:45	1.76	1.81	0.076	0.006		14:30	2.15	2.86	0.159	0.074	
2:00	1.88	2.19	0.100	0.007		14:45	2.10	2.66	0.143	0.075	
2:15	1.74	1.68	0.069	0.008		15:00	2.62	3.14	0.231	0.078	
2:30	1.79	1.62	0.069	0.009		15:15	2.19	2.74	0.156	0.079	
2:45	1.76	1.57	0.065	0.009		15:30	2.20	2.78	0.160	0.081	
3:00	1.93	1.97	0.094	0.010		15:45	2.13	2.71	0.148	0.082	
3:15	1.74	1.39	0.057	0.011		16:00	2.19	2.71	0.154	0.084	
3:30	1.73	1.69	0.069	0.012		16:15	2.14	2.72	0.150	0.086	
3:45	2.00	2.18	0.110	0.013		16:30	1.99	2.10	0.104	0.087	
4:00	1.94	1.80	0.087	0.014		16:45	1.99	2.12	0.106	0.088	
4:15	1.74	1.78	0.073	0.015		17:00	2.13	2.70	0.149	0.089	
4:30	1.76	1.86	0.078	0.015		17:15	1.91	2.15	0.101	0.090	
4:45	1.78	1.78	0.076	0.016		17:30	1.96	2.25	0.109	0.092	
5:00	1.81	2.12	0.092	0.017		17:45	1.98	2.32	0.115	0.093	
5:15	1.85	2.09	0.094	0.018		18:00	2.05	2.50	0.130	0.094	
5:30	1.87	2.03	0.092	0.019		18:15	1.98	2.32	0.115	0.095	
5:45	2.07	2.58	0.136	0.020		18:30	1.93	2.12	0.101	0.096	
6:00	1.93	2.22	0.105	0.022		18:45	1.92	2.17	0.103	0.097	
6:15	2.01	2.37	0.120	0.023		19:00	2.13	2.62	0.143	0.099	
6:30	2.08	2.76	0.147	0.024		19:15	1.88	2.08	0.095	0.100	
6:45	1.97	2.42	0.119	0.026		19:30	1.97	2.17	0.107	0.101	
7:00	2.03	2.34	0.120	0.027		19:45	2.00	2.23	0.112	0.102	
7:15	2.05	2.41	0.125	0.028		20:00	1.94	2.16	0.104	0.103	
7:30	2.25	2.70	0.160	0.030		20:15	1.89	2.15	0.099	0.104	
7:45	2.04	2.54	0.131	0.031		20:30	2.12	2.26	0.123	0.106	
8:00	2.09	2.76	0.147	0.033		20:45	2.01	2.26	0.114	0.107	
8:15	2.08	2.71	0.143	0.034		21:00	2.33	2.86	0.178	0.109	
8:30	2.09	2.74	0.146	0.036		21:15	1.93	2.06	0.098	0.110	
8:45	2.13	2.88	0.158	0.037		21:30	2.01	2.29	0.116	0.111	
9:00	2.18	2.93	0.166	0.039		21:45	2.01	1.87	0.094	0.112	
9:15	2.08	2.76	0.146	0.041		22:00	2.02	1.84	0.094	0.113	
9:30	2.16	2.72	0.153	0.042		22:15	2.03	2.24	0.115	0.114	
9:45	2.18	2.93	0.167	0.044		22:30	1.91	2.15	0.101	0.115	
10:00	2.18	2.92	0.166	0.046		22:45	1.91	1.96	0.092	0.116	
10:15	2.15	2.71	0.151	0.047		23:00	1.92	2.00	0.095	0.117	
10:30	2.00	2.40	0.121	0.048		23:15	1.96	2.05	0.100	0.118	
10:45	1.99	2.30	0.115	0.050		23:30	1.94	1.76	0.085	0.119	
11:00	2.06	2.62	0.137	0.051		23:45	1.94	2.26	0.108	0.120	
11:15	2.15	2.80	0.156	0.053		<b>Daily Totals:</b>		0.108		0.120	0.00
11:30	2.11	2.57	0.139	0.054		<b>Data reported every:</b>	15 Minutes				
11:45	2.14	2.70	0.149	0.056							
12:00	2.16	2.79	0.157	0.057							
12:15	2.31	3.04	0.187	0.059							

# Daily Flow Report



Site:

1  
 Beaver St. at Valley View Rd. Waltham, MA 10" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/15/2014</b>						12:30	2.44	3.08	0.205	0.065	
0:00	2.25	2.08	0.123	0.001		12:45	2.15	2.73	0.152	0.066	
0:15	1.96	2.22	0.108	0.002		13:00	2.26	2.95	0.176	0.068	
0:30	1.95	1.95	0.094	0.003		13:15	2.00	2.19	0.110	0.069	
0:45	1.91	1.82	0.085	0.004		13:30	2.13	2.62	0.144	0.071	
1:00	1.90	1.80	0.084	0.005		13:45	2.06	2.51	0.131	0.072	
1:15	1.90	1.92	0.089	0.006		14:00	2.22	2.67	0.155	0.074	
1:30	1.86	2.03	0.092	0.007		14:15	2.16	2.73	0.153	0.076	
1:45	1.85	1.70	0.077	0.008		14:30	2.07	2.53	0.134	0.077	
2:00	1.86	1.38	0.062	0.008		14:45	2.09	2.46	0.131	0.078	
2:15	1.87	1.38	0.063	0.009		15:00	2.17	2.65	0.149	0.080	
2:30	1.91	2.00	0.094	0.010		15:15	2.26	2.85	0.170	0.082	
2:45	1.85	1.65	0.074	0.011		15:30	2.15	2.70	0.150	0.083	
3:00	2.15	1.82	0.102	0.012		15:45	2.11	2.66	0.144	0.085	
3:15	1.86	2.01	0.091	0.013		16:00	2.13	2.69	0.148	0.086	
3:30	1.92	2.19	0.103	0.014		16:15	2.12	2.77	0.151	0.088	
3:45	1.84	1.67	0.074	0.015		16:30	1.97	2.16	0.106	0.089	
4:00	1.89	1.89	0.087	0.016		16:45	2.01	2.49	0.126	0.090	
4:15	1.80	1.59	0.068	0.016		17:00	1.98	2.43	0.120	0.091	
4:30	2.00	2.32	0.116	0.018		17:15	1.95	2.40	0.116	0.093	
4:45	1.86	1.84	0.083	0.018		17:30	1.95	2.26	0.109	0.094	
5:00	1.86	1.97	0.089	0.019		17:45	1.96	2.15	0.105	0.095	
5:15	1.94	2.19	0.105	0.020		18:00	1.93	2.26	0.107	0.096	
5:30	2.13	1.96	0.108	0.022		18:15	1.94	2.38	0.114	0.097	
5:45	1.96	2.22	0.108	0.023		18:30	1.91	2.13	0.100	0.098	
6:00	1.88	2.17	0.099	0.024		18:45	1.94	2.33	0.112	0.099	
6:15	1.93	2.24	0.107	0.025		19:00	1.98	2.35	0.116	0.101	
6:30	2.33	2.10	0.131	0.026		19:15	2.23	2.90	0.169	0.102	
6:45	2.01	2.31	0.117	0.027		19:30	1.95	2.17	0.105	0.103	
7:00	1.98	2.30	0.113	0.029		19:45	1.90	2.19	0.102	0.105	
7:15	2.10	2.76	0.148	0.030		20:00	1.82	1.97	0.086	0.105	
7:30	2.11	2.77	0.150	0.032		20:15	1.93	2.23	0.107	0.107	
7:45	2.19	2.74	0.157	0.033		20:30	2.05	2.61	0.136	0.108	
8:00	2.05	2.56	0.133	0.035		20:45	1.84	2.19	0.097	0.109	
8:15	2.09	2.57	0.137	0.036		21:00	1.93	2.20	0.105	0.110	
8:30	2.19	2.71	0.155	0.038		21:15	1.81	2.05	0.089	0.111	
8:45	2.22	2.87	0.167	0.040		21:30	1.84	1.92	0.086	0.112	
9:00	2.17	2.87	0.162	0.041		21:45	1.95	2.18	0.106	0.113	
9:15	2.40	3.12	0.203	0.043		22:00	1.80	1.93	0.083	0.114	
9:30	2.11	2.75	0.149	0.045		22:15	1.80	2.06	0.089	0.115	
9:45	2.28	2.89	0.175	0.047		22:30	1.85	2.07	0.093	0.116	
10:00	2.20	2.66	0.153	0.048		22:45	2.26	2.13	0.127	0.117	
10:15	2.12	2.70	0.147	0.050		23:00	1.76	1.69	0.070	0.118	
10:30	2.19	2.66	0.152	0.051		23:15	1.90	2.15	0.100	0.119	
10:45	2.26	2.88	0.172	0.053		23:30	1.79	1.81	0.077	0.120	
11:00	2.18	2.68	0.152	0.055		23:45	1.69	1.77	0.070	0.120	
11:15	2.18	2.72	0.154	0.056		<b>Daily Totals:</b>		0.070		0.120	0.00
11:30	2.05	2.39	0.124	0.058		<b>Data reported every:</b>	15 Minutes				
11:45	2.19	2.81	0.161	0.059							
12:00	2.35	2.88	0.182	0.061							
12:15	2.13	2.64	0.145	0.063							

# Daily Flow Report



Site:

1  
Beaver St. at Valley View Rd. Waltham, MA 10" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/16/2014</b>						12:30	2.21	2.78	0.160	0.058	
0:00	1.79	1.77	0.076	0.001		12:45	2.15	2.71	0.151	0.060	
0:15	1.78	1.75	0.074	0.002		13:00	1.92	2.26	0.107	0.061	
0:30	1.80	2.11	0.091	0.003		13:15	2.00	2.35	0.118	0.062	
0:45	1.73	1.79	0.073	0.003		13:30	2.06	2.60	0.136	0.063	0.02
1:00	1.75	1.72	0.072	0.004		13:45	1.96	2.28	0.111	0.064	0.01
1:15	1.71	1.56	0.062	0.005		14:00	2.24	2.82	0.166	0.066	0.01
1:30	1.71	1.84	0.074	0.005		14:15	2.17	2.66	0.150	0.068	
1:45	1.72	1.75	0.071	0.006		14:30	2.20	2.76	0.159	0.069	
2:00	1.82	1.74	0.077	0.007		14:45	2.02	2.39	0.121	0.071	
2:15	1.71	1.55	0.062	0.008		15:00	2.17	2.69	0.152	0.072	
2:30	1.74	1.47	0.060	0.008		15:15	2.10	2.66	0.143	0.074	
2:45	1.69	1.39	0.055	0.009		15:30	1.99	2.25	0.112	0.075	
3:00	1.73	1.25	0.051	0.009		15:45	2.20	2.65	0.152	0.076	
3:15	1.71	1.61	0.065	0.010		16:00	2.05	2.53	0.131	0.078	0.01
3:30	1.73	1.61	0.066	0.011		16:15	2.16	2.70	0.151	0.079	
3:45	1.75	1.80	0.075	0.011		16:30	1.99	2.33	0.116	0.081	
4:00	1.79	1.84	0.079	0.012		16:45	2.01	2.39	0.121	0.082	
4:15	1.81	1.85	0.080	0.013		17:00	2.27	2.67	0.160	0.084	
4:30	1.71	1.89	0.076	0.014		17:15	2.09	2.62	0.140	0.085	
4:45	1.72	1.79	0.072	0.015		17:30	2.04	2.59	0.134	0.086	0.01
5:00	1.71	1.78	0.072	0.015		17:45	1.94	2.20	0.106	0.087	
5:15	1.97	2.20	0.108	0.017		18:00	2.17	2.70	0.152	0.089	
5:30	2.22	1.82	0.106	0.018		18:15	1.87	2.03	0.092	0.090	
5:45	1.94	2.30	0.111	0.019		18:30	1.92	2.29	0.109	0.091	
6:00	1.76	2.01	0.084	0.020		18:45	2.17	2.63	0.148	0.093	0.12
6:15	2.17	2.67	0.150	0.021		19:00	2.16	2.63	0.148	0.094	0.01
6:30	1.97	2.29	0.113	0.022		19:15	1.97	2.27	0.111	0.095	
6:45	1.95	2.37	0.115	0.024		19:30	2.00	2.34	0.117	0.097	0.01
7:00	1.93	2.28	0.109	0.025		19:45	2.29	2.88	0.175	0.098	
7:15	2.03	2.56	0.131	0.026		20:00	1.99	2.29	0.114	0.100	
7:30	2.02	2.52	0.129	0.027		20:15	2.04	2.55	0.131	0.101	
7:45	2.04	2.40	0.123	0.029		20:30	2.17	2.64	0.149	0.103	
8:00	2.09	2.63	0.140	0.030		20:45	1.90	2.00	0.094	0.104	
8:15	1.96	2.31	0.113	0.031		21:00	1.85	1.88	0.084	0.104	
8:30	2.17	2.75	0.156	0.033		21:15	2.04	2.45	0.126	0.106	
8:45	2.09	2.69	0.143	0.035		21:30	1.89	2.09	0.097	0.107	
9:00	2.33	2.83	0.177	0.036		21:45	1.87	2.04	0.093	0.108	
9:15	2.14	2.78	0.154	0.038		22:00	1.82	2.01	0.088	0.109	
9:30	2.17	2.65	0.149	0.040		22:15	1.84	2.04	0.091	0.110	
9:45	1.96	2.25	0.109	0.041		22:30	1.81	1.83	0.079	0.110	0.01
10:00	2.17	2.79	0.157	0.042		22:45	1.81	2.00	0.087	0.111	
10:15	2.20	2.77	0.160	0.044		23:00	1.93	2.26	0.108	0.112	
10:30	2.13	2.60	0.142	0.045		23:15	2.23	2.56	0.150	0.114	
10:45	2.21	3.01	0.174	0.047		23:30	1.78	1.84	0.078	0.115	
11:00	2.03	2.46	0.126	0.049		23:45	1.74	2.14	0.088	0.116	
11:15	1.97	2.57	0.126	0.050		<b>Daily Totals:</b>		0.088		<b>0.116</b>	<b>0.21</b>
11:30	2.15	2.67	0.149	0.051		<b>Data reported every:</b>	15 Minutes				
11:45	2.21	2.85	0.165	0.053							
12:00	2.15	2.73	0.152	0.055							
12:15	2.18	2.64	0.150	0.056							

# Daily Flow Report



Site:

1  
Beaver St. at Valley View Rd. Waltham, MA 10" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/17/2014</b>						12:30	1.92	2.32	0.110	0.070	
0:00	1.90	2.05	0.096	0.001		12:45	2.04	2.35	0.121	0.071	
0:15	1.82	1.82	0.080	0.002		13:00	2.20	2.58	0.148	0.072	
0:30	2.00	2.23	0.112	0.003		13:15	2.09	2.60	0.139	0.074	
0:45	1.74	1.59	0.065	0.004		13:30	2.12	2.73	0.149	0.075	
1:00	1.84	2.04	0.091	0.005		13:45	2.00	2.44	0.122	0.077	
1:15	1.76	2.00	0.083	0.005		14:00	2.08	2.46	0.130	0.078	
1:30	1.76	1.71	0.071	0.006		14:15	2.19	2.60	0.149	0.080	
1:45	1.72	1.75	0.071	0.007		14:30	1.98	2.44	0.121	0.081	
2:00	1.83	1.97	0.087	0.008		14:45	1.89	2.08	0.096	0.082	
2:15	1.72	1.47	0.059	0.008		15:00	1.95	2.53	0.123	0.083	
2:30	2.12	2.33	0.127	0.010		15:15	1.97	2.39	0.117	0.084	
2:45	1.73	1.96	0.080	0.011		15:30	1.99	2.23	0.111	0.086	
3:00	1.82	1.59	0.069	0.011		15:45	1.93	2.15	0.102	0.087	
3:15	1.72	1.67	0.067	0.012	0.05	16:00	1.97	2.31	0.113	0.088	
3:30	1.73	1.75	0.071	0.013	0.05	16:15	1.92	2.34	0.111	0.089	
3:45	1.72	1.97	0.080	0.014	0.01	16:30	1.88	1.89	0.086	0.090	
4:00	2.00	2.18	0.109	0.015	0.06	16:45	2.18	2.65	0.151	0.091	
4:15	1.91	2.01	0.095	0.016	0.04	17:00	1.97	2.49	0.123	0.093	
4:30	1.82	1.97	0.086	0.017	0.01	17:15	1.99	2.39	0.119	0.094	
4:45	1.89	2.07	0.096	0.018	0.03	17:30	2.33	2.73	0.170	0.096	
5:00	2.31	1.95	0.120	0.019	0.12	17:45	2.04	2.59	0.134	0.097	
5:15	1.97	2.30	0.113	0.020	0.15	18:00	1.99	2.49	0.124	0.098	
5:30	2.53	2.02	0.141	0.022	0.04	18:15	2.05	2.53	0.131	0.100	
5:45	2.45	2.10	0.141	0.023	0.06	18:30	2.11	2.50	0.135	0.101	
6:00	2.70	2.16	0.166	0.025	0.03	18:45	2.05	2.46	0.128	0.103	
6:15	2.41	2.91	0.190	0.027	0.02	19:00	1.93	2.24	0.107	0.104	
6:30	2.61	3.12	0.229	0.029		19:15	1.90	2.19	0.102	0.105	
6:45	2.74	3.21	0.251	0.032		19:30	2.03	2.48	0.127	0.106	
7:00	2.33	2.72	0.169	0.033		19:45	1.95	2.42	0.117	0.107	
7:15	2.24	2.59	0.153	0.035		20:00	1.92	2.46	0.117	0.108	
7:30	2.44	2.83	0.189	0.037		20:15	1.92	2.15	0.102	0.110	
7:45	2.49	2.75	0.188	0.039		20:30	1.92	1.99	0.094	0.110	
8:00	2.40	2.91	0.189	0.041		20:45	1.89	2.49	0.116	0.112	
8:15	2.31	2.83	0.175	0.043		21:00	1.77	1.72	0.072	0.112	
8:30	2.47	2.99	0.202	0.045		21:15	1.92	2.13	0.101	0.114	
8:45	2.55	2.95	0.208	0.047		21:30	1.79	1.75	0.075	0.114	
9:00	2.11	2.62	0.142	0.049		21:45	1.87	2.01	0.091	0.115	
9:15	2.12	2.54	0.138	0.050		22:00	1.83	1.94	0.086	0.116	
9:30	2.23	2.54	0.150	0.052		22:15	1.80	1.93	0.083	0.117	
9:45	2.37	2.78	0.178	0.053		22:30	2.00	2.49	0.125	0.118	
10:00	2.16	2.63	0.147	0.055		22:45	1.94	2.21	0.106	0.119	
10:15	2.10	2.71	0.145	0.056		23:00	1.79	1.81	0.077	0.120	
10:30	2.29	2.74	0.166	0.058		23:15	1.75	1.67	0.069	0.121	
10:45	2.41	2.97	0.194	0.060		23:30	1.85	1.85	0.083	0.122	
11:00	2.06	2.47	0.129	0.062		23:45	1.81	1.80	0.078	0.123	
11:15	2.19	2.70	0.154	0.063		<b>Daily Totals:</b>		0.078		<b>0.123</b>	<b>0.67</b>
11:30	2.07	2.15	0.114	0.064		<b>Data reported every:</b>	15 Minutes				
11:45	2.10	2.59	0.139	0.066							
12:00	2.05	2.28	0.118	0.067							
12:15	2.16	2.58	0.144	0.069							

# Daily Flow Report



Site:

1  
Beaver St. at Valley View Rd. Waltham, MA 10" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/18/2014</b>						12:30	1.81	2.00	0.087	0.050	
0:00	1.74	1.46	0.060	0.001		12:45	1.90	2.16	0.101	0.051	
0:15	1.73	1.64	0.067	0.001		13:00	1.73	1.78	0.072	0.051	
0:30	1.74	1.60	0.066	0.002		13:15	1.77	1.98	0.083	0.052	
0:45	1.77	1.64	0.069	0.003		13:30	1.81	2.03	0.088	0.053	
1:00	1.71	1.26	0.050	0.003		13:45	1.79	2.10	0.090	0.054	
1:15	2.07	2.34	0.123	0.005		14:00	1.84	1.98	0.088	0.055	
1:30	1.73	2.29	0.093	0.006		14:15	1.80	2.05	0.088	0.056	
1:45	1.93	2.24	0.106	0.007		14:30	1.83	2.14	0.094	0.057	
2:00	1.70	1.82	0.072	0.007		14:45	2.21	2.54	0.147	0.058	
2:15	1.73	1.81	0.073	0.008		15:00	1.84	1.81	0.081	0.059	
2:30	1.73	1.50	0.061	0.009		15:15	1.87	2.04	0.093	0.060	
2:45	1.75	1.70	0.070	0.010		15:30	1.86	2.11	0.095	0.061	
3:00	1.76	1.70	0.071	0.010		15:45	1.91	2.47	0.116	0.062	
3:15	1.72	1.61	0.065	0.011		16:00	1.87	2.27	0.103	0.064	
3:30	1.75	1.48	0.061	0.012		16:15	1.88	2.29	0.105	0.065	
3:45	1.78	1.64	0.070	0.012		16:30	1.89	2.18	0.101	0.066	
4:00	1.75	1.30	0.054	0.013		16:45	1.87	2.25	0.102	0.067	
4:15	1.72	1.59	0.064	0.014		17:00	1.87	2.24	0.102	0.068	
4:30	1.89	1.88	0.087	0.014		17:15	1.81	1.96	0.085	0.069	
4:45	1.92	1.94	0.092	0.015		17:30	1.79	1.82	0.078	0.070	
5:00	1.74	1.66	0.068	0.016		17:45	1.96	2.36	0.115	0.071	
5:15	1.76	1.64	0.068	0.017		18:00	1.83	2.30	0.101	0.072	
5:30	1.75	1.90	0.078	0.018		18:15	1.94	2.26	0.109	0.073	
5:45	1.86	2.15	0.098	0.019		18:30	1.90	2.04	0.095	0.074	
6:00	1.76	1.85	0.077	0.019		18:45	1.84	2.13	0.094	0.075	
6:15	1.77	1.95	0.082	0.020		19:00	1.85	2.03	0.091	0.076	
6:30	2.06	1.80	0.094	0.021		19:15	1.85	2.08	0.094	0.077	
6:45	1.94	2.37	0.113	0.022		19:30	1.82	2.13	0.093	0.078	
7:00	1.92	1.93	0.091	0.023		19:45	1.93	2.34	0.111	0.079	
7:15	1.96	2.44	0.119	0.025		20:00	2.05	2.45	0.128	0.080	
7:30	1.81	2.08	0.090	0.026		20:15	1.79	2.15	0.092	0.081	
7:45	1.84	2.06	0.092	0.027		20:30	1.82	1.92	0.084	0.082	
8:00	1.95	2.35	0.114	0.028		20:45	2.22	2.79	0.163	0.084	
8:15	1.93	2.25	0.107	0.029		21:00	1.89	2.42	0.112	0.085	
8:30	1.97	2.43	0.119	0.030		21:15	1.77	1.81	0.076	0.086	
8:45	1.96	2.20	0.107	0.031		21:30	1.81	1.79	0.078	0.087	
9:00	2.00	2.15	0.108	0.032		21:45	1.80	1.68	0.072	0.087	
9:15	2.37	2.75	0.176	0.034		22:00	1.84	2.03	0.091	0.088	
9:30	1.99	2.30	0.115	0.035		22:15	1.92	2.11	0.100	0.089	
9:45	2.10	2.57	0.138	0.037		22:30	1.78	1.99	0.085	0.090	
10:00	1.84	2.30	0.102	0.038		22:45	1.77	1.97	0.083	0.091	
10:15	1.96	2.38	0.116	0.039		23:00	1.75	1.72	0.072	0.092	
10:30	1.96	2.38	0.115	0.040		23:15	1.81	1.88	0.082	0.093	
10:45	2.04	2.55	0.131	0.042		23:30	1.92	2.33	0.110	0.094	
11:00	1.91	2.08	0.098	0.043		23:45	1.81	1.51	0.066	0.094	
11:15	1.90	2.19	0.102	0.044		<b>Daily Totals:</b>		0.066		<b>0.094</b>	<b>0.00</b>
11:30	1.88	2.11	0.097	0.045		<b>Data reported every:</b>	15 Minutes				
11:45	2.09	2.52	0.134	0.046							
12:00	2.15	2.59	0.144	0.048							
12:15	1.83	2.36	0.104	0.049							

# Daily Flow Report



Site:

1  
Beaver St. at Valley View Rd. Waltham, MA 10" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/19/2014</b>						12:30	2.09	2.65	0.142	0.051	
0:00	1.93	1.62	0.078	0.001		12:45	1.95	2.34	0.113	0.052	0.01
0:15	1.79	1.74	0.074	0.002		13:00	2.07	2.61	0.138	0.054	
0:30	1.77	1.85	0.078	0.002		13:15	2.23	2.78	0.163	0.056	
0:45	1.75	1.48	0.061	0.003		13:30	1.98	2.32	0.115	0.057	
1:00	1.71	1.56	0.062	0.004		13:45	2.00	2.38	0.119	0.058	
1:15	1.70	1.48	0.059	0.004		14:00	2.13	2.69	0.148	0.060	
1:30	1.72	1.36	0.055	0.005		14:15	2.17	2.50	0.141	0.061	
1:45	1.72	1.57	0.063	0.006		14:30	1.94	2.39	0.115	0.062	
2:00	1.69	1.64	0.065	0.006		14:45	1.91	2.71	0.127	0.063	
2:15	1.68	1.58	0.062	0.007		15:00	2.13	2.79	0.153	0.065	
2:30	1.70	1.53	0.061	0.007		15:15	1.90	2.22	0.103	0.066	
2:45	1.68	1.53	0.060	0.008		15:30	1.92	2.22	0.105	0.067	
3:00	1.71	1.52	0.061	0.009		15:45	1.94	2.28	0.110	0.068	
3:15	1.74	1.52	0.063	0.009		16:00	1.88	2.08	0.095	0.069	
3:30	1.73	1.52	0.062	0.010		16:15	2.00	2.37	0.119	0.071	
3:45	1.68	1.52	0.059	0.011		16:30	1.95	2.34	0.113	0.072	
4:00	1.70	1.52	0.060	0.011		16:45	1.88	2.30	0.105	0.073	
4:15	1.68	1.51	0.059	0.012		17:00	2.05	2.74	0.143	0.074	
4:30	1.84	1.51	0.068	0.013		17:15	2.00	2.38	0.120	0.076	
4:45	1.74	1.51	0.062	0.013		17:30	1.88	2.34	0.107	0.077	
5:00	1.68	1.51	0.059	0.014		17:45	2.02	2.36	0.120	0.078	
5:15	1.87	1.51	0.069	0.015		18:00	1.91	2.10	0.099	0.079	
5:30	1.89	1.50	0.070	0.015		18:15	1.90	2.05	0.095	0.080	
5:45	1.85	1.50	0.068	0.016		18:30	1.88	2.37	0.109	0.081	
6:00	1.89	1.55	0.072	0.017		18:45	1.83	2.08	0.092	0.082	
6:15	2.00	1.62	0.081	0.018		19:00	1.89	2.16	0.100	0.083	
6:30	2.47	1.68	0.114	0.019		19:15	1.89	2.14	0.099	0.084	
6:45	2.01	2.46	0.124	0.020		19:30	1.97	2.48	0.122	0.085	0.01
7:00	2.08	2.51	0.133	0.021		19:45	1.83	2.15	0.095	0.086	
7:15	1.98	2.27	0.112	0.023		20:00	1.81	2.13	0.093	0.087	0.01
7:30	2.14	2.69	0.149	0.024		20:15	1.93	2.42	0.116	0.089	
7:45	2.20	2.91	0.167	0.026		20:30	2.10	2.49	0.134	0.090	0.01
8:00	2.00	2.42	0.121	0.027		20:45	1.78	1.99	0.085	0.091	
8:15	2.15	2.61	0.146	0.029		21:00	2.14	2.60	0.144	0.092	
8:30	1.99	2.37	0.118	0.030		21:15	1.83	2.17	0.096	0.093	
8:45	2.08	2.41	0.128	0.031		21:30	1.92	2.44	0.115	0.095	
9:00	2.07	2.21	0.117	0.032		21:45	1.81	1.88	0.082	0.095	
9:15	1.92	2.31	0.109	0.034		22:00	1.78	1.84	0.078	0.096	0.01
9:30	1.99	2.31	0.115	0.035		22:15	1.79	1.73	0.074	0.097	
9:45	2.23	2.66	0.156	0.036		22:30	1.90	2.27	0.106	0.098	
10:00	2.13	2.65	0.146	0.038		22:45	1.70	2.13	0.084	0.099	
10:15	2.07	2.44	0.129	0.039		23:00	1.84	2.06	0.092	0.100	
10:30	2.09	2.52	0.134	0.041		23:15	1.67	1.55	0.060	0.101	
10:45	2.06	2.58	0.135	0.042		23:30	1.86	2.09	0.094	0.102	
11:00	2.06	2.39	0.125	0.043		23:45	1.76	1.84	0.077	0.102	
11:15	2.04	2.35	0.122	0.045		<b>Daily Totals:</b>		0.077		0.102	0.05
11:30	2.09	2.33	0.124	0.046		<b>Data reported every:</b>	15 Minutes				
11:45	1.95	2.40	0.116	0.047							
12:00	2.07	2.46	0.130	0.049							
12:15	1.97	2.41	0.118	0.050							



# Daily Flow Report



Site:

1  
Beaver St. at Valley View Rd. Waltham, MA 10" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/20/2014</b>						12:30	1.88	1.98	0.091	0.051	
0:00	1.66	1.44	0.055	0.001		12:45	2.05	2.81	0.146	0.052	
0:15	1.65	1.60	0.061	0.001		13:00	2.03	2.45	0.125	0.053	
0:30	1.85	2.11	0.094	0.002		13:15	1.89	2.26	0.105	0.055	
0:45	1.66	1.99	0.076	0.003		13:30	1.92	2.32	0.110	0.056	
1:00	1.69	1.88	0.074	0.004		13:45	1.94	2.26	0.109	0.057	
1:15	1.70	1.69	0.067	0.004		14:00	1.86	2.01	0.091	0.058	
1:30	1.83	1.96	0.087	0.005		14:15	2.00	2.45	0.123	0.059	
1:45	1.83	2.08	0.092	0.006		14:30	1.88	2.31	0.106	0.060	
2:00	1.70	1.84	0.073	0.007		14:45	1.94	2.33	0.112	0.061	
2:15	1.69	1.65	0.065	0.008		15:00	1.82	1.71	0.075	0.062	
2:30	1.67	1.72	0.067	0.008		15:15	2.00	2.12	0.106	0.063	
2:45	1.63	1.54	0.058	0.009		15:30	1.86	2.20	0.099	0.064	
3:00	1.65	1.53	0.058	0.010		15:45	1.83	2.19	0.097	0.065	
3:15	1.66	1.65	0.064	0.010		16:00	1.92	2.18	0.103	0.066	
3:30	1.81	1.92	0.083	0.011		16:15	1.91	2.28	0.107	0.067	
3:45	1.68	1.63	0.064	0.012		16:30	1.85	1.86	0.083	0.068	
4:00	1.65	1.58	0.060	0.012		16:45	1.89	2.02	0.094	0.069	
4:15	2.02	1.70	0.086	0.013		17:00	1.90	2.38	0.111	0.070	
4:30	1.87	2.09	0.095	0.014		17:15	2.02	2.39	0.122	0.072	
4:45	1.73	1.87	0.076	0.015		17:30	1.91	2.46	0.115	0.073	
5:00	1.72	1.48	0.059	0.016		17:45	2.11	2.70	0.146	0.074	
5:15	1.79	1.91	0.082	0.017		18:00	2.04	2.67	0.138	0.076	
5:30	1.85	2.03	0.091	0.018		18:15	2.13	2.64	0.145	0.077	
5:45	1.83	2.08	0.092	0.019		18:30	2.29	2.74	0.167	0.079	
6:00	1.97	2.34	0.115	0.020		18:45	2.22	2.86	0.167	0.081	
6:15	2.08	2.37	0.126	0.021		19:00	2.13	2.80	0.154	0.082	
6:30	2.11	2.02	0.109	0.022		19:15	2.20	2.73	0.157	0.084	
6:45	1.88	2.04	0.094	0.023		19:30	2.22	2.77	0.161	0.086	
7:00	1.81	2.14	0.093	0.024		19:45	2.04	2.66	0.138	0.087	
7:15	2.04	2.54	0.131	0.025		20:00	2.19	2.74	0.157	0.089	
7:30	2.06	2.46	0.129	0.027		20:15	2.15	2.65	0.148	0.090	
7:45	1.89	2.06	0.095	0.028		20:30	2.28	2.93	0.177	0.092	
8:00	1.89	1.98	0.092	0.029		20:45	2.19	2.76	0.158	0.094	
8:15	1.98	2.15	0.106	0.030		21:00	2.00	2.32	0.116	0.095	
8:30	1.92	2.14	0.102	0.031		21:15	1.93	2.30	0.110	0.096	
8:45	2.03	2.39	0.123	0.032		21:30	2.04	2.36	0.122	0.097	
9:00	1.91	2.44	0.115	0.033		21:45	1.96	2.24	0.109	0.099	
9:15	2.00	2.34	0.117	0.035		22:00	2.35	2.50	0.158	0.100	
9:30	1.92	2.16	0.102	0.036		22:15	2.01	2.18	0.110	0.101	
9:45	2.03	2.40	0.123	0.037		22:30	1.96	2.40	0.117	0.103	
10:00	1.92	2.18	0.103	0.038		22:45	1.88	1.89	0.087	0.104	
10:15	2.03	2.32	0.119	0.039		23:00	2.03	2.40	0.123	0.105	
10:30	2.03	2.50	0.128	0.041		23:15	1.96	2.28	0.111	0.106	
10:45	2.01	2.39	0.121	0.042		23:30	1.90	2.06	0.096	0.107	
11:00	2.02	2.41	0.123	0.043		23:45	1.88	1.77	0.081	0.108	
11:15	2.03	2.32	0.119	0.044		<b>Daily Totals:</b>		0.081		0.108	0.00
11:30	1.99	2.48	0.124	0.046		<b>Data reported every:</b>	15 Minutes				
11:45	1.87	2.23	0.101	0.047							
12:00	1.98	2.29	0.114	0.048							
12:15	2.26	2.85	0.169	0.050							

# Daily Flow Report



Site:

1  
 Beaver St. at Valley View Rd. Waltham, MA 10" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/21/2014</b>						12:30				0.040	
0:00	1.87	1.98	0.091	0.001		12:45				0.040	
0:15	1.90	1.91	0.089	0.002		13:00				0.040	
0:30	1.83	1.98	0.087	0.003		13:15				0.040	
0:45	1.78	2.06	0.087	0.004		13:30				0.040	
1:00	1.81	2.14	0.094	0.005		13:45				0.040	
1:15	1.82	1.68	0.073	0.005		14:00				0.040	
1:30	1.76	2.01	0.084	0.006		14:15				0.040	
1:45	1.81	1.95	0.085	0.007		14:30				0.040	
2:00	2.14	1.89	0.105	0.008		14:45				0.040	
2:15	1.82	1.94	0.085	0.009		15:00				0.040	
2:30	1.82	1.52	0.066	0.010		15:15				0.040	
2:45	1.76	1.61	0.067	0.011		15:30				0.040	
3:00	1.83	1.70	0.075	0.011		15:45				0.040	
3:15	1.83	1.91	0.085	0.012		16:00				0.040	
3:30	1.79	1.62	0.069	0.013		16:15				0.040	
3:45	1.77	1.81	0.076	0.014		16:30				0.040	
4:00	1.77	2.00	0.085	0.015		16:45				0.040	
4:15	1.98	2.20	0.109	0.016		17:00				0.040	
4:30	1.83	1.63	0.072	0.016		17:15				0.040	
4:45	1.64	1.68	0.063	0.017		17:30				0.040	
5:00	1.74	1.78	0.073	0.018		17:45				0.040	
5:15	1.84	2.12	0.095	0.019		18:00				0.040	
5:30	1.84	2.13	0.095	0.020		18:15				0.040	
5:45	1.86	2.22	0.100	0.021		18:30				0.040	
6:00	1.89	2.47	0.114	0.022		18:45				0.040	
6:15	2.03	2.01	0.103	0.023		19:00				0.040	
6:30	2.09	2.49	0.133	0.025		19:15				0.040	
6:45	2.34	2.11	0.132	0.026		19:30				0.040	
7:00	1.95	2.23	0.108	0.027		19:45				0.040	
7:15	2.02	2.27	0.115	0.028		20:00				0.040	
7:30	1.99	2.32	0.116	0.029		20:15				0.040	
7:45	2.01	2.27	0.114	0.031		20:30				0.040	
8:00	1.80	1.95	0.084	0.032		20:45				0.040	
8:15	1.97	2.14	0.105	0.033		21:00				0.040	
8:30	2.02	2.26	0.115	0.034		21:15				0.040	
8:45	1.89	2.13	0.098	0.035		21:30				0.040	
9:00	1.85	2.30	0.104	0.036		21:45				0.040	
9:15	2.04	2.80	0.144	0.037		22:00				0.040	
9:30	1.97	2.46	0.121	0.039		22:15				0.040	
9:45	1.90	2.24	0.105	0.040		22:30				0.040	
10:00				0.040		22:45				0.040	
10:15				0.040		23:00				0.040	
10:30				0.040		23:15				0.040	
10:45				0.040		23:30				0.040	
11:00				0.040		23:45				0.040	
11:15				0.040		<b>Daily Totals:</b>				<b>0.040</b>	<b>0.00</b>
11:30				0.040		<b>Data reported every:</b>	15 Minutes				
11:45				0.040							
12:00				0.040							
12:15				0.040							

# Daily Flow Report



Site:

2  
 Beaver St. at Oakley Ln. Waltham, MA 30" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/16/2014</b>						12:30	10.38	2.83	2.759	0.056	
0:00					0.01	12:45	10.25	2.37	2.266	0.080	
0:15					0.02	13:00	10.44	2.88	2.833	0.110	
0:30					0.02	13:15	10.24	2.80	2.674	0.137	
0:45					0.03	13:30	10.13	2.79	2.626	0.165	
1:00					0.02	13:45	10.18	2.92	2.771	0.194	
1:15					0.01	14:00	10.16	3.02	2.859	0.223	
1:30					0.01	14:15	10.16	2.85	2.697	0.252	
1:45					0.03	14:30	9.99	2.52	2.332	0.276	
2:00					0.02	14:45	10.07	2.72	2.540	0.302	
2:15					0.02	15:00	10.00	3.07	2.838	0.332	
2:30					0.01	15:15	10.24	2.81	2.688	0.360	
2:45						15:30	10.11	2.85	2.674	0.388	
3:00						15:45	10.19	2.98	2.830	0.417	
3:15						16:00	10.12	2.85	2.679	0.445	
3:30						16:15	10.16	2.85	2.695	0.473	
3:45						16:30	10.10	2.94	2.755	0.502	
4:00						16:45	10.36	2.71	2.636	0.529	
4:15						17:00	10.23	2.92	2.791	0.558	
4:30						17:15	10.28	2.98	2.865	0.588	
4:45						17:30	10.28	2.91	2.795	0.617	
5:00						17:45	10.59	2.99	2.994	0.649	
5:15						18:00	10.50	3.02	2.994	0.680	
5:30						18:15	10.84	2.73	2.821	0.709	
5:45						18:30	10.56	3.04	3.030	0.741	
6:00						18:45	10.60	2.80	2.806	0.770	
6:15					0.01	19:00	10.49	3.02	2.985	0.801	
6:30						19:15	10.61	2.95	2.966	0.832	
6:45					0.01	19:30	10.60	3.16	3.170	0.865	
7:00						19:45	10.59	3.13	3.128	0.897	
7:15					0.01	20:00	10.53	2.98	2.963	0.928	
7:30						20:15	10.61	3.10	3.113	0.961	
7:45						20:30	10.42	3.01	2.948	0.991	
8:00						20:45	10.47	2.98	2.938	1.022	
8:15					0.01	21:00	10.34	2.94	2.844	1.052	
8:30					0.01	21:15	10.39	2.56	2.494	1.078	
8:45					0.02	21:30	10.36	2.77	2.687	1.106	
9:00						21:45	10.28	2.88	2.769	1.135	
9:15					0.02	22:00	10.26	2.96	2.836	1.164	
9:30					0.01	22:15	10.07	2.81	2.626	1.191	
9:45					0.01	22:30	9.94	2.89	2.654	1.219	
10:00					0.01	22:45	9.93	2.85	2.615	1.246	
10:15					0.02	23:00	9.95	2.75	2.525	1.273	
10:30					0.01	23:15	9.71	2.72	2.415	1.298	
10:45					0.01	23:30	9.77	2.93	2.621	1.325	
11:00					0.02	23:45	9.64	2.98	2.622	1.352	
11:15					0.01	<b>Daily Totals:</b>		2.622		<b>1.352</b>	<b>0.43</b>
11:30					0.01	<b>Data reported every:</b>		15 Minutes			
11:45					0.01						
12:00					0.01						
12:15	10.25	2.78	2.659	0.028	0.01						

# Daily Flow Report



Site:

2  
Beaver St. at Oakley Ln.

Waltham, MA

30" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/17/2014</b>						12:30	9.85	2.85	2.582	1.341	
0:00	9.58	2.62	2.283	0.024		12:45	9.79	2.75	2.470	1.367	
0:15	9.76	2.73	2.439	0.049		13:00	9.82	2.95	2.661	1.394	
0:30	9.44	2.65	2.268	0.073		13:15	9.88	2.75	2.506	1.420	
0:45	9.60	2.77	2.425	0.098		13:30	9.88	2.93	2.664	1.448	
1:00	9.30	2.32	1.947	0.118		13:45	9.72	2.90	2.582	1.475	
1:15	9.34	2.27	1.910	0.138		14:00	9.66	2.68	2.367	1.500	
1:30	9.33	2.77	2.334	0.163		14:15	9.83	2.68	2.419	1.525	
1:45	9.34	2.53	2.127	0.185		14:30	9.68	2.78	2.463	1.551	
2:00	9.25	2.64	2.194	0.208		14:45	9.78	2.81	2.518	1.577	
2:15	9.29	2.60	2.178	0.230		15:00	9.79	2.76	2.476	1.603	
2:30	9.27	2.44	2.035	0.251		15:15	9.81	2.77	2.499	1.629	
2:45	9.29	2.42	2.023	0.273		15:30	9.72	2.82	2.513	1.655	
3:00	9.32	2.52	2.114	0.295		15:45	9.85	2.63	2.388	1.680	
3:15	9.28	2.65	2.215	0.318		16:00	9.65	2.52	2.220	1.703	
3:30	9.29	2.59	2.162	0.340		16:15	9.79	2.81	2.522	1.729	
3:45	9.25	2.49	2.066	0.362		16:30	9.85	2.71	2.457	1.755	
4:00	9.35	2.55	2.151	0.384		16:45	9.94	2.93	2.694	1.783	
4:15	9.28	2.67	2.228	0.407		17:00	9.95	2.80	2.572	1.809	
4:30	9.31	2.62	2.195	0.430		17:15	9.99	2.80	2.589	1.836	
4:45	9.35	2.71	2.288	0.454		17:30	10.04	2.78	2.591	1.863	
5:00	9.55	2.62	2.272	0.478		17:45	10.23	2.85	2.721	1.892	
5:15	9.56	2.72	2.363	0.502		18:00	10.02	2.92	2.708	1.920	
5:30	9.97	2.66	2.449	0.528		18:15	10.19	2.91	2.759	1.949	
5:45	10.12	2.77	2.601	0.555		18:30	10.11	2.86	2.688	1.977	
6:00	10.43	2.91	2.849	0.585		18:45	10.22	2.62	2.497	2.003	
6:15	10.88	2.73	2.835	0.614		19:00	10.18	2.85	2.703	2.031	
6:30	10.79	2.90	2.975	0.645		19:15	10.15	2.82	2.669	2.059	
6:45	10.98	2.93	3.078	0.677		19:30	10.29	2.74	2.640	2.086	
7:00	10.95	3.04	3.181	0.710		19:45	10.19	2.86	2.718	2.115	
7:15	10.97	3.09	3.250	0.744		20:00	10.29	2.87	2.763	2.143	
7:30	10.86	2.90	3.003	0.775		20:15	10.15	2.79	2.638	2.171	
7:45	10.51	2.85	2.823	0.805		20:30	10.01	2.81	2.609	2.198	
8:00	10.69	3.09	3.135	0.837		20:45	10.07	2.80	2.619	2.225	
8:15	10.46	2.91	2.864	0.867		21:00	10.12	2.54	2.392	2.250	
8:30	10.39	2.86	2.785	0.896		21:15	10.07	2.76	2.579	2.277	
8:45	10.45	2.91	2.862	0.926		21:30	9.93	2.88	2.635	2.304	
9:00	10.31	2.89	2.786	0.955		21:45	10.07	2.97	2.779	2.333	
9:15	10.17	2.93	2.779	0.984		22:00	9.87	2.90	2.635	2.361	
9:30	10.07	2.76	2.581	1.011		22:15	9.81	2.75	2.475	2.387	
9:45	10.14	2.73	2.573	1.038		22:30	9.62	2.77	2.429	2.412	
10:00	10.22	2.95	2.812	1.067		22:45	9.78	2.94	2.641	2.439	
10:15	10.05	2.91	2.716	1.095		23:00	9.63	2.56	2.254	2.463	
10:30	10.09	2.89	2.712	1.124		23:15	9.51	2.80	2.421	2.488	
10:45	10.20	2.98	2.833	1.153		23:30	9.70	2.95	2.614	2.515	
11:00	10.13	3.01	2.831	1.183		23:45	9.46	2.61	2.234	2.539	
11:15	9.74	2.87	2.560	1.209		<b>Daily Totals:</b>		2.234		<b>2.539</b>	<b>0.00</b>
11:30	9.92	2.68	2.451	1.235		<b>Data reported every:</b>	15 Minutes				
11:45	9.73	2.84	2.529	1.261							
12:00	9.91	2.79	2.552	1.288							
12:15	9.81	2.79	2.516	1.314							

# Daily Flow Report



Site:

2  
Beaver St. at Oakley Ln.

Waltham, MA

30" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/18/2014</b>						12:30	9.73	2.88	2.568	1.274	
0:00	9.28	2.44	2.042	0.021		12:45	9.81	2.81	2.527	1.300	
0:15	9.33	2.76	2.320	0.045		13:00	9.66	2.83	2.498	1.326	
0:30	9.18	2.66	2.187	0.068		13:15	9.98	2.73	2.523	1.352	
0:45	9.16	2.52	2.069	0.090		13:30	9.76	2.87	2.570	1.379	
1:00	9.09	2.55	2.067	0.111		13:45	9.90	2.55	2.329	1.403	
1:15	9.00	2.26	1.806	0.130		14:00	9.65	2.88	2.539	1.430	
1:30	9.12	2.59	2.114	0.152		14:15	9.66	2.76	2.441	1.455	
1:45	9.12	2.47	2.013	0.173		14:30	9.59	2.90	2.531	1.482	
2:00	9.04	2.54	2.047	0.194		14:45	9.70	2.87	2.543	1.508	
2:15	9.02	2.56	2.052	0.216		15:00	9.60	2.83	2.479	1.534	
2:30	9.12	2.46	2.005	0.237		15:15	9.56	2.89	2.516	1.560	
2:45	9.07	2.58	2.085	0.258		15:30	9.73	2.69	2.399	1.585	
3:00	8.92	2.59	2.050	0.280		15:45	9.67	2.51	2.214	1.608	
3:15	8.98	2.44	1.942	0.300		16:00	9.82	2.75	2.482	1.634	
3:30	8.98	2.54	2.024	0.321		16:15	9.79	2.79	2.512	1.660	
3:45	9.00	2.54	2.036	0.342		16:30	9.82	2.72	2.453	1.686	
4:00	9.05	2.46	1.981	0.363		16:45	9.91	2.76	2.524	1.712	
4:15	9.07	2.66	2.152	0.385		17:00	9.87	3.00	2.723	1.740	
4:30	9.07	2.57	2.078	0.407		17:15	9.80	2.74	2.461	1.766	
4:45	9.05	2.66	2.145	0.429		17:30	9.94	2.88	2.640	1.794	
5:00	9.09	2.67	2.165	0.452		17:45	9.83	2.78	2.514	1.820	
5:15	9.35	2.65	2.237	0.475		18:00	10.00	2.86	2.646	1.847	
5:30	9.48	2.59	2.228	0.498		18:15	9.89	2.81	2.557	1.874	
5:45	9.78	2.74	2.456	0.524		18:30	10.01	2.73	2.530	1.900	
6:00	9.82	2.82	2.546	0.550		18:45	9.91	2.86	2.613	1.928	
6:15	10.22	2.83	2.695	0.579		19:00	9.88	2.78	2.531	1.954	
6:30	10.11	2.65	2.492	0.605		19:15	9.90	2.81	2.566	1.981	
6:45	10.49	2.98	2.945	0.635		19:30	9.80	2.74	2.466	2.006	
7:00	10.49	2.84	2.806	0.664		19:45	9.83	2.90	2.619	2.034	
7:15	10.69	2.98	3.018	0.696		20:00	9.83	2.82	2.546	2.060	
7:30	10.54	2.84	2.826	0.725		20:15	9.80	2.69	2.426	2.085	
7:45	10.56	2.79	2.780	0.754		20:30	9.85	2.73	2.477	2.111	
8:00	10.51	2.76	2.736	0.783		20:45	9.69	2.74	2.423	2.136	
8:15	10.58	2.97	2.973	0.814		21:00	9.70	2.70	2.394	2.161	
8:30	10.30	2.78	2.678	0.842		21:15	9.66	2.72	2.395	2.186	
8:45	10.19	2.82	2.676	0.869		21:30	9.60	2.69	2.356	2.211	
9:00	10.14	2.84	2.674	0.897		21:45	9.72	2.74	2.440	2.236	
9:15	10.17	2.87	2.717	0.926		22:00	9.66	2.84	2.510	2.262	
9:30	10.15	2.77	2.618	0.953		22:15	9.61	2.76	2.417	2.288	
9:45	10.00	2.76	2.557	0.980		22:30	9.59	2.83	2.476	2.313	
10:00	10.01	2.73	2.527	1.006		22:45	9.63	2.66	2.337	2.338	
10:15	10.13	2.82	2.659	1.034		23:00	9.39	2.80	2.375	2.362	
10:30	10.05	2.81	2.617	1.061		23:15	9.38	2.73	2.318	2.387	
10:45	9.92	2.74	2.505	1.087		23:30	9.30	2.42	2.030	2.408	
11:00	9.94	2.61	2.400	1.112		23:45	9.34	2.65	2.232	2.431	
11:15	10.00	2.83	2.614	1.139		<b>Daily Totals:</b>		2.232		<b>2.431</b>	<b>0.00</b>
11:30	9.76	2.87	2.570	1.166		<b>Data reported every:</b>	15 Minutes				
11:45	9.96	2.73	2.510	1.192							
12:00	9.82	2.85	2.570	1.219							
12:15	9.99	2.93	2.703	1.247							

# Daily Flow Report



Site:

2

Beaver St. at Oakley Ln.

Waltham, MA

30" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/19/2014</b>						12:30	9.98	2.85	2.627	1.221	
0:00	9.17	2.47	2.028	0.021		12:45	9.73	2.70	2.408	1.247	
0:15	9.17	2.76	2.271	0.045		13:00	9.78	2.78	2.496	1.273	
0:30	9.07	2.46	1.992	0.066		13:15	9.69	2.76	2.449	1.298	
0:45	9.15	2.54	2.081	0.087		13:30	9.81	2.71	2.444	1.324	
1:00	9.00	2.38	1.907	0.107		13:45	9.69	2.89	2.564	1.350	
1:15	8.97	2.52	2.005	0.128		14:00	9.76	2.78	2.494	1.376	
1:30	8.97	2.62	2.087	0.150		14:15	9.74	2.80	2.497	1.402	
1:45	8.93	2.59	2.052	0.171		14:30	9.72	2.65	2.357	1.427	
2:00	8.89	2.49	1.961	0.191		14:45	9.77	2.66	2.386	1.452	
2:15	8.76	2.40	1.852	0.211		15:00	9.79	2.78	2.500	1.478	
2:30	8.95	2.24	1.782	0.229		15:15	9.73	2.73	2.431	1.503	
2:45	8.84	2.33	1.820	0.248		15:30	9.60	2.80	2.446	1.528	
3:00	8.92	2.46	1.946	0.269		15:45	9.70	2.87	2.549	1.555	
3:15	8.75	2.33	1.792	0.287		16:00	9.65	2.68	2.359	1.580	
3:30	8.72	2.49	1.907	0.307		16:15	9.68	2.53	2.237	1.603	
3:45	8.82	2.49	1.939	0.327		16:30	9.72	2.65	2.362	1.628	
4:00	8.77	2.61	2.012	0.348		16:45	9.63	2.67	2.348	1.652	
4:15	8.81	2.47	1.922	0.368		17:00	9.74	2.83	2.529	1.678	
4:30	8.79	2.58	1.998	0.389		17:15	9.73	2.81	2.506	1.704	
4:45	9.03	2.50	2.011	0.410		17:30	9.76	2.76	2.475	1.730	
5:00	8.77	2.56	1.980	0.431		17:45	9.66	2.75	2.423	1.755	
5:15	8.84	2.45	1.914	0.451		18:00	9.75	2.70	2.411	1.781	
5:30	9.01	2.51	2.010	0.472		18:15	9.79	2.76	2.486	1.806	
5:45	9.08	2.55	2.065	0.493		18:30	9.78	2.68	2.409	1.832	
6:00	9.08	2.64	2.136	0.515		18:45	9.62	2.81	2.461	1.857	
6:15	9.27	2.62	2.186	0.538		19:00	9.65	2.80	2.468	1.883	
6:30	9.44	2.76	2.357	0.563		19:15	9.75	2.80	2.506	1.909	
6:45	9.40	2.74	2.329	0.587		19:30	9.69	2.91	2.579	1.936	
7:00	9.70	2.50	2.223	0.610		19:45	9.47	2.59	2.227	1.959	
7:15	9.80	2.65	2.380	0.635		20:00	9.60	2.64	2.312	1.983	
7:30	9.84	2.76	2.498	0.661		20:15	9.62	2.91	2.552	2.010	
7:45	10.17	3.09	2.932	0.691		20:30	9.53	2.68	2.316	2.034	
8:00	10.26	2.88	2.757	0.720		20:45	9.67	2.76	2.437	2.059	
8:15	10.23	2.83	2.699	0.748		21:00	9.46	2.85	2.443	2.085	
8:30	10.35	2.79	2.702	0.776		21:15	9.38	2.51	2.129	2.107	
8:45	10.41	2.59	2.533	0.803		21:30	9.47	2.62	2.251	2.130	
9:00	10.41	2.77	2.713	0.831		21:45	9.56	2.64	2.293	2.154	
9:15	10.33	2.88	2.788	0.860		22:00	9.52	2.72	2.352	2.179	
9:30	10.40	2.69	2.623	0.887		22:15	9.49	2.73	2.351	2.203	
9:45	10.30	2.86	2.757	0.916		22:30	9.32	2.49	2.096	2.225	
10:00	10.24	2.90	2.776	0.945		22:45	9.29	2.69	2.250	2.248	
10:15	10.11	2.78	2.611	0.972		23:00	9.28	2.64	2.201	2.271	
10:30	10.41	3.06	2.991	1.003		23:15	9.07	2.69	2.181	2.294	
10:45	10.27	2.77	2.654	1.031		23:30	9.08	2.48	2.008	2.315	
11:00	10.17	2.84	2.688	1.059		23:45	8.90	2.56	2.015	2.336	
11:15	10.13	2.71	2.554	1.086		<b>Daily Totals:</b>		2.015		<b>2.336</b>	<b>0.00</b>
11:30	9.95	2.87	2.639	1.113		<b>Data reported every:</b>	15 Minutes				
11:45	10.05	2.69	2.506	1.139							
12:00	9.85	2.85	2.580	1.166							
12:15	9.92	2.94	2.689	1.194							

# Daily Flow Report



Site:

2

Beaver St. at Oakley Ln.

Waltham, MA

30" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/20/2014</b>						12:30	9.77	2.75	2.461	1.139	
0:00	8.94	2.44	1.932	0.020		12:45	9.84	2.89	2.618	1.167	
0:15	8.95	2.71	2.151	0.043		13:00	9.92	2.76	2.530	1.193	
0:30	8.81	2.51	1.947	0.063		13:15	9.67	2.59	2.289	1.217	
0:45	8.77	2.09	1.615	0.080		13:30	9.71	2.75	2.444	1.242	
1:00	8.73	2.23	1.709	0.097		13:45	9.48	2.61	2.249	1.266	
1:15	8.65	2.45	1.853	0.117		14:00	9.56	2.73	2.376	1.290	
1:30	8.54	2.40	1.787	0.135		14:15	9.34	2.64	2.225	1.314	
1:45	8.68	2.43	1.852	0.155		14:30	9.35	2.52	2.125	1.336	
2:00	8.79	2.52	1.954	0.175		14:45	9.41	2.73	2.325	1.360	
2:15	8.67	2.29	1.742	0.193		15:00	9.35	2.53	2.134	1.382	
2:30	8.61	2.39	1.799	0.212		15:15	9.37	2.65	2.238	1.405	
2:45	8.60	2.18	1.638	0.229		15:30	9.42	2.40	2.044	1.427	
3:00	8.53	2.23	1.653	0.246		15:45	9.35	2.64	2.226	1.450	
3:15	8.62	2.38	1.796	0.265		16:00	9.38	2.57	2.174	1.473	
3:30	8.53	2.40	1.785	0.283		16:15	9.33	2.59	2.180	1.495	
3:45	8.65	2.24	1.698	0.301		16:30	9.38	2.57	2.182	1.518	
4:00	8.59	2.31	1.732	0.319		16:45	9.38	2.68	2.274	1.542	
4:15	8.54	2.17	1.610	0.336		17:00	9.31	2.34	1.965	1.562	
4:30	8.54	2.31	1.723	0.354		17:15	9.37	2.44	2.062	1.584	
4:45	8.59	2.28	1.709	0.372		17:30	9.40	2.65	2.254	1.607	
5:00	8.63	2.48	1.870	0.391		17:45	9.38	2.58	2.183	1.630	
5:15	8.61	2.46	1.853	0.411		18:00	9.61	2.64	2.317	1.654	
5:30	8.66	2.25	1.705	0.428		18:15	9.33	2.72	2.293	1.678	
5:45	8.66	2.30	1.749	0.446		18:30	9.48	2.68	2.309	1.702	
6:00	8.77	2.49	1.918	0.466		18:45	9.46	2.66	2.281	1.726	
6:15	8.83	2.49	1.941	0.487		19:00	9.55	2.72	2.365	1.750	
6:30	9.12	2.54	2.066	0.508		19:15	9.74	2.47	2.209	1.773	
6:45	9.24	2.54	2.109	0.530		19:30	9.64	2.63	2.317	1.798	
7:00	9.45	2.82	2.412	0.555		19:45	9.53	2.62	2.267	1.821	
7:15	9.34	2.76	2.329	0.580		20:00	9.63	2.62	2.304	1.845	
7:30	9.68	2.63	2.328	0.604		20:15	9.46	2.67	2.287	1.869	
7:45	9.93	2.81	2.578	0.631		20:30	9.49	2.42	2.083	1.891	
8:00	9.93	2.76	2.530	0.657		20:45	9.43	2.71	2.316	1.915	
8:15	10.00	2.78	2.578	0.684		21:00	9.41	2.57	2.190	1.938	
8:30	10.24	2.53	2.418	0.709		21:15	9.35	2.21	1.864	1.957	
8:45	10.18	2.65	2.517	0.735		21:30	9.29	2.50	2.092	1.979	
9:00	10.17	2.72	2.579	0.762		21:45	9.26	2.22	1.845	1.998	
9:15	10.33	2.59	2.503	0.788		22:00	9.37	2.77	2.339	2.022	
9:30	10.24	2.73	2.607	0.815		22:15	9.31	2.40	2.015	2.043	
9:45	10.16	2.52	2.384	0.840		22:30	9.07	2.50	2.022	2.064	
10:00	10.28	2.71	2.609	0.867		22:45	9.16	2.54	2.081	2.086	
10:15	10.30	2.93	2.826	0.897		23:00	8.99	2.34	1.872	2.106	
10:30	10.13	2.96	2.789	0.926		23:15	8.87	2.49	1.955	2.126	
10:45	10.22	2.78	2.650	0.953		23:30	8.95	2.50	1.982	2.147	
11:00	10.17	2.89	2.737	0.982		23:45	8.81	2.62	2.033	2.168	
11:15	10.09	2.80	2.622	1.009		<b>Daily Totals:</b>		2.033		<b>2.168</b>	<b>0.00</b>
11:30	10.01	2.87	2.659	1.037		<b>Data reported every:</b>	15 Minutes				
11:45	9.85	2.70	2.448	1.063							
12:00	9.96	2.77	2.544	1.089							
12:15	9.72	2.66	2.366	1.114							

# Daily Flow Report



Site:

2

Beaver St. at Oakley Ln.

Waltham, MA

30" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/21/2014</b>						12:30	9.54	2.70	2.340	1.090	
0:00	8.75	2.40	1.848	0.019		12:45	9.42	2.68	2.281	1.114	
0:15	8.73	2.53	1.942	0.039		13:00	9.29	2.63	2.201	1.137	
0:30	8.62	2.32	1.751	0.058		13:15	9.27	2.52	2.106	1.159	
0:45	8.66	2.40	1.822	0.077		13:30	9.20	2.84	2.347	1.183	
1:00	8.43	2.40	1.756	0.095		13:45	9.31	2.54	2.129	1.205	
1:15	8.53	2.37	1.759	0.113		14:00	9.28	2.49	2.078	1.227	
1:30	8.50	2.39	1.769	0.132		14:15	9.30	2.60	2.178	1.250	
1:45	8.51	2.36	1.746	0.150		14:30	9.29	2.52	2.109	1.272	
2:00	8.45	2.44	1.793	0.169		14:45	9.27	2.61	2.177	1.294	
2:15	8.46	2.19	1.606	0.185		15:00	9.28	2.65	2.217	1.317	
2:30	8.34	2.28	1.640	0.202		15:15	9.11	2.38	1.937	1.338	
2:45	8.49	2.20	1.620	0.219		15:30	9.00	2.50	2.003	1.358	
3:00	8.38	2.32	1.685	0.237		15:45	9.05	2.38	1.918	1.378	
3:15	8.45	2.22	1.629	0.254		16:00	9.19	2.53	2.082	1.400	
3:30	8.44	2.44	1.785	0.272		16:15	9.30	2.65	2.219	1.423	
3:45	8.42	2.42	1.765	0.291		16:30	9.17	2.64	2.168	1.446	
4:00	8.41	2.25	1.635	0.308		16:45	9.22	2.62	2.164	1.468	
4:15	8.40	2.45	1.781	0.326		17:00	9.22	2.73	2.263	1.492	
4:30	8.38	2.32	1.681	0.344		17:15	9.38	2.36	2.000	1.513	
4:45	8.65	2.36	1.784	0.362		17:30	9.33	2.70	2.268	1.536	
5:00	8.58	2.47	1.848	0.382		17:45	9.48	2.29	1.972	1.557	
5:15	8.64	2.34	1.766	0.400		18:00	9.51	2.82	2.437	1.582	
5:30	8.72	2.41	1.845	0.419		18:15	9.48	2.63	2.260	1.606	
5:45	8.82	2.58	2.010	0.440		18:30	9.51	2.64	2.279	1.630	
6:00	9.03	2.48	1.993	0.461		18:45	9.51	2.64	2.280	1.653	
6:15	9.11	2.61	2.125	0.483		19:00	9.62	2.82	2.470	1.679	
6:30	9.43	2.46	2.102	0.505		19:15	9.70	2.51	2.228	1.702	
6:45	9.40	2.57	2.181	0.528		19:30	9.83	2.83	2.562	1.729	
7:00	9.68	2.72	2.410	0.553		19:45	9.61	2.75	2.411	1.754	
7:15	9.68	2.67	2.358	0.577		20:00	9.70	2.61	2.322	1.778	
7:30	9.90	2.73	2.496	0.603		20:15	9.46	2.65	2.271	1.802	
7:45	9.86	2.70	2.450	0.629		20:30	9.59	2.67	2.336	1.826	
8:00	9.84	2.58	2.336	0.653		20:45	9.48	2.66	2.290	1.850	
8:15	9.89	2.73	2.485	0.679		21:00	9.42	2.62	2.230	1.873	
8:30	9.84	2.58	2.336	0.704		21:15	9.33	2.79	2.347	1.898	
8:45	9.84	2.60	2.349	0.728		21:30	9.38	2.74	2.325	1.922	
9:00	9.89	2.66	2.428	0.753		21:45	9.34	2.70	2.276	1.946	
9:15	9.93	2.62	2.398	0.778		22:00	9.23	2.46	2.040	1.967	
9:30	9.74	2.69	2.400	0.803		22:15	9.23	2.31	1.914	1.987	
9:45	9.78	2.55	2.293	0.827		22:30	9.11	2.66	2.163	2.009	
10:00	9.82	2.81	2.536	0.854		22:45	8.96	2.49	1.979	2.030	
10:15	9.70	2.45	2.171	0.876		23:00	8.83	2.71	2.109	2.052	
10:30	9.78	2.51	2.252	0.900		23:15	8.87	2.52	1.976	2.073	
10:45	9.57	2.59	2.255	0.923		23:30	8.71	2.42	1.848	2.092	
11:00	9.67	2.63	2.328	0.947		23:45	8.73	2.49	1.909	2.112	
11:15	9.63	2.77	2.438	0.973		<b>Daily Totals:</b>		1.909		<b>2.112</b>	<b>0.00</b>
11:30	9.60	2.50	2.187	0.996		<b>Data reported every:</b>	15 Minutes				
11:45	9.39	2.71	2.297	1.019							
12:00	9.40	2.54	2.160	1.042							
12:15	9.53	2.62	2.272	1.066							



# Daily Flow Report



Site:

2

Beaver St. at Oakley Ln.

Waltham, MA

30" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/22/2014</b>						12:30	9.05	2.42	1.953	1.050	
0:00	8.65	2.53	1.919	0.020		12:45	9.06	2.64	2.132	1.072	
0:15	8.55	2.21	1.650	0.037		13:00	9.00	2.32	1.854	1.092	
0:30	8.50	2.34	1.728	0.055		13:15	8.95	2.43	1.934	1.112	
0:45	8.48	2.39	1.762	0.074		13:30	8.89	2.61	2.055	1.133	
1:00	8.40	2.42	1.764	0.092		13:45	8.78	2.55	1.972	1.154	
1:15	8.43	2.53	1.845	0.111		14:00	8.91	2.60	2.053	1.175	
1:30	8.33	2.14	1.540	0.127		14:15	8.82	2.56	1.989	1.196	
1:45	8.24	2.30	1.625	0.144		14:30	8.88	2.45	1.927	1.216	
2:00	8.49	2.40	1.768	0.163		14:45	8.83	2.45	1.908	1.236	
2:15	8.27	2.17	1.546	0.179		15:00	8.77	2.34	1.807	1.255	
2:30	8.19	2.24	1.570	0.195		15:15	8.95	2.44	1.935	1.275	
2:45	8.38	2.16	1.566	0.211		15:30	8.73	2.43	1.864	1.294	
3:00	8.24	2.26	1.603	0.228		15:45	8.85	2.45	1.917	1.314	
3:15	8.22	2.05	1.446	0.243		16:00	8.96	2.40	1.912	1.334	
3:30	8.22	2.23	1.574	0.259		16:15	8.84	2.41	1.881	1.354	
3:45	8.17	2.40	1.680	0.277		16:30	8.87	2.55	1.997	1.374	
4:00	8.10	2.25	1.557	0.293		16:45	8.92	2.66	2.101	1.396	
4:15	8.26	2.27	1.612	0.310		17:00	9.01	2.20	1.769	1.415	
4:30	8.21	2.29	1.613	0.327		17:15	9.27	2.52	2.105	1.437	
4:45	8.51	2.33	1.727	0.345		17:30	9.19	2.58	2.125	1.459	
5:00	8.48	2.24	1.650	0.362		17:45	9.28	2.48	2.071	1.480	
5:15	8.69	2.43	1.851	0.381		18:00	9.15	2.51	2.053	1.502	
5:30	8.67	2.35	1.786	0.400		18:15	9.40	2.57	2.188	1.525	
5:45	8.87	2.59	2.030	0.421		18:30	9.22	2.67	2.210	1.548	
6:00	9.18	2.56	2.106	0.443		18:45	9.43	2.66	2.267	1.571	
6:15	9.47	2.60	2.233	0.466		19:00	9.41	2.73	2.321	1.595	
6:30	9.70	2.70	2.393	0.491		19:15	9.36	2.74	2.311	1.619	
6:45	9.76	2.88	2.579	0.518		19:30	9.29	2.43	2.035	1.641	
7:00	9.77	2.75	2.467	0.544		19:45	9.48	2.48	2.131	1.663	
7:15	9.76	2.75	2.458	0.569		20:00	9.27	2.58	2.150	1.685	
7:30	9.88	2.80	2.544	0.596		20:15	9.37	2.48	2.098	1.707	
7:45	9.77	2.63	2.359	0.620		20:30	9.28	2.80	2.337	1.731	
8:00	9.70	2.63	2.334	0.645		20:45	9.31	2.60	2.181	1.754	
8:15	9.81	2.55	2.298	0.669		21:00	9.35	2.54	2.143	1.776	0.02
8:30	9.77	2.75	2.470	0.694		21:15	9.11	2.49	2.025	1.798	0.01
8:45	9.71	2.78	2.469	0.720		21:30	9.31	2.76	2.312	1.822	0.01
9:00	9.55	2.77	2.408	0.745		21:45	9.13	2.53	2.062	1.843	
9:15	9.36	2.72	2.301	0.769		22:00	9.06	2.63	2.124	1.865	
9:30	9.38	2.56	2.174	0.792		22:15	8.96	2.53	2.011	1.886	
9:45	9.18	2.50	2.056	0.813		22:30	8.89	2.22	1.752	1.904	
10:00	9.10	2.59	2.106	0.835		22:45	8.72	2.47	1.890	1.924	
10:15	9.30	2.58	2.157	0.858		23:00	8.71	2.38	1.818	1.943	
10:30	9.05	2.48	2.000	0.878		23:15	8.68	2.55	1.936	1.963	
10:45	9.23	2.67	2.211	0.901		23:30	8.64	2.41	1.818	1.982	
11:00	9.01	2.41	1.932	0.922		23:45	8.57	2.49	1.860	2.002	
11:15	9.09	2.60	2.113	0.944		<b>Daily Totals:</b>		1.860		<b>2.002</b>	<b>0.04</b>
11:30	9.14	2.40	1.960	0.964		<b>Data reported every:</b>	15 Minutes				
11:45	9.19	2.62	2.157	0.986							
12:00	9.05	2.47	1.993	1.007							
12:15	9.04	2.69	2.166	1.030							

# Daily Flow Report



Site:

2

Beaver St. at Oakley Ln.

Waltham, MA

30" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/23/2014</b>						12:30	9.21	2.38	1.966	1.051	0.01
0:00	8.45	2.40	1.763	0.018		12:45	9.40	2.69	2.285	1.075	0.01
0:15	8.32	2.17	1.558	0.035		13:00	9.44	2.63	2.253	1.098	
0:30	8.35	2.43	1.749	0.053		13:15	9.44	2.74	2.341	1.123	
0:45	8.29	2.27	1.621	0.070		13:30	9.22	2.69	2.222	1.146	
1:00	8.35	2.36	1.705	0.087		13:45	9.28	2.72	2.266	1.170	
1:15	8.15	2.47	1.723	0.105		14:00	9.38	2.63	2.228	1.193	
1:30	8.13	2.21	1.536	0.121		14:15	9.29	2.51	2.102	1.215	
1:45	8.19	2.18	1.527	0.137		14:30	9.32	2.68	2.255	1.238	
2:00	8.14	2.15	1.492	0.153		14:45	9.26	2.62	2.184	1.261	
2:15	8.08	2.22	1.530	0.169		15:00	9.24	2.82	2.343	1.285	
2:30	8.05	2.20	1.504	0.184		15:15	9.23	2.69	2.227	1.309	
2:45	8.25	2.15	1.522	0.200		15:30	9.30	2.68	2.246	1.332	
3:00	7.99	2.16	1.466	0.216		15:45	9.28	2.65	2.210	1.355	
3:15	8.00	2.24	1.524	0.231		16:00	9.31	2.69	2.258	1.378	
3:30	8.21	2.34	1.645	0.249		16:15	9.31	2.62	2.198	1.401	
3:45	8.13	2.27	1.579	0.265		16:30	9.25	2.63	2.184	1.424	
4:00	8.21	2.20	1.553	0.281		16:45	9.25	2.63	2.186	1.447	
4:15	8.10	2.39	1.652	0.298		17:00	9.52	2.72	2.354	1.471	
4:30	8.07	2.17	1.495	0.314		17:15	9.49	2.70	2.328	1.496	
4:45	8.17	2.36	1.651	0.331		17:30	9.43	2.58	2.202	1.519	
5:00	8.37	2.27	1.639	0.348		17:45	9.36	2.63	2.220	1.542	
5:15	8.36	2.40	1.735	0.366		18:00	9.39	2.68	2.279	1.565	
5:30	8.62	2.50	1.888	0.386		18:15	9.69	2.47	2.187	1.588	
5:45	8.83	2.57	2.002	0.407		18:30	9.59	2.84	2.481	1.614	
6:00	9.30	2.65	2.215	0.430		18:45	9.31	2.85	2.396	1.639	
6:15	9.34	2.51	2.112	0.452		19:00	9.55	2.64	2.294	1.663	
6:30	9.49	2.55	2.194	0.475		19:15	9.51	2.71	2.337	1.687	
6:45	9.48	2.70	2.324	0.499		19:30	9.55	2.61	2.270	1.711	
7:00	9.68	2.80	2.481	0.525		19:45	9.52	2.69	2.324	1.735	
7:15	9.78	2.81	2.517	0.551		20:00	9.44	2.60	2.222	1.758	
7:30	9.75	2.31	2.064	0.573	0.01	20:15	9.41	2.69	2.290	1.782	
7:45	9.79	2.62	2.359	0.597	0.05	20:30	9.30	2.68	2.240	1.805	
8:00	9.75	2.73	2.437	0.623	0.07	20:45	9.43	2.77	2.361	1.830	
8:15	9.43	2.74	2.336	0.647	0.06	21:00	9.31	2.45	2.053	1.851	
8:30	9.72	2.71	2.417	0.672	0.05	21:15	9.25	2.63	2.186	1.874	
8:45	9.62	2.57	2.258	0.696	0.02	21:30	9.28	2.68	2.235	1.897	
9:00	9.64	2.70	2.377	0.720		21:45	9.25	2.75	2.286	1.921	
9:15	9.68	2.72	2.410	0.745	0.02	22:00	9.19	2.46	2.028	1.942	
9:30	9.66	2.72	2.403	0.770	0.02	22:15	9.24	2.42	2.009	1.963	
9:45	9.70	2.67	2.373	0.795	0.03	22:30	9.11	2.57	2.091	1.985	
10:00	9.45	2.47	2.118	0.817	0.01	22:45	8.99	2.44	1.948	2.005	
10:15	9.66	2.74	2.419	0.842		23:00	8.73	2.48	1.901	2.025	
10:30	9.74	2.72	2.430	0.868		23:15	8.83	2.61	2.030	2.046	
10:45	9.62	2.69	2.364	0.892		23:30	8.75	2.39	1.842	2.066	
11:00	9.55	2.60	2.258	0.916		23:45	8.63	2.57	1.941	2.086	
11:15	9.49	2.71	2.339	0.940		<b>Daily Totals:</b>		1.941		<b>2.086</b>	<b>0.47</b>
11:30	9.37	2.29	1.936	0.960	0.02	<b>Data reported every:</b>	15 Minutes				
11:45	9.53	2.70	2.342	0.985	0.02						
12:00	9.27	2.67	2.231	1.008	0.04						
12:15	9.31	2.59	2.171	1.031	0.03						

# Daily Flow Report



Site:

2

Beaver St. at Oakley Ln.

Waltham, MA

30" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/24/2014</b>						12:30	9.03	2.55	2.047	1.055	
0:00	8.47	2.46	1.807	0.019		12:45	8.98	2.59	2.070	1.076	
0:15	8.50	2.50	1.850	0.038		13:00	8.91	2.61	2.062	1.098	
0:30	8.42	2.49	1.816	0.057		13:15	9.03	2.57	2.062	1.119	
0:45	8.43	2.27	1.659	0.074		13:30	8.96	2.51	1.998	1.140	
1:00	8.43	2.47	1.804	0.093		13:45	8.95	2.40	1.907	1.160	0.01
1:15	8.27	2.17	1.543	0.109		14:00	9.03	2.65	2.135	1.182	
1:30	8.34	2.30	1.660	0.126		14:15	8.89	2.40	1.887	1.202	
1:45	8.31	2.23	1.600	0.143		14:30	8.88	2.20	1.728	1.220	
2:00	8.43	2.32	1.696	0.161		14:45	8.75	2.66	2.046	1.241	
2:15	8.28	2.22	1.587	0.177		15:00	8.82	2.38	1.856	1.260	
2:30	8.23	2.15	1.518	0.193		15:15	8.85	2.33	1.819	1.279	
2:45	8.38	2.15	1.562	0.209		15:30	8.85	2.70	2.114	1.301	
3:00	8.22	2.35	1.657	0.227		15:45	8.90	2.34	1.842	1.321	
3:15	8.17	2.28	1.594	0.243		16:00	8.79	2.77	2.147	1.343	
3:30	8.22	2.23	1.576	0.260		16:15	8.98	2.19	1.747	1.361	
3:45	8.17	2.25	1.574	0.276		16:30	8.85	2.41	1.882	1.381	
4:00	8.33	2.48	1.780	0.295		16:45	8.85	2.38	1.862	1.400	
4:15	8.26	2.33	1.653	0.312		17:00	9.10	2.59	2.102	1.422	
4:30	8.38	2.28	1.649	0.329		17:15	8.97	2.50	1.995	1.443	
4:45	8.38	2.42	1.755	0.347		17:30	9.06	2.40	1.939	1.463	
5:00	8.50	2.48	1.834	0.366		17:45	9.05	2.67	2.158	1.486	
5:15	8.57	2.46	1.837	0.386		18:00	9.27	2.58	2.147	1.508	
5:30	8.80	2.53	1.965	0.406		18:15	9.17	2.66	2.187	1.531	
5:45	8.89	2.56	2.015	0.427		18:30	9.30	2.46	2.062	1.552	
6:00	9.24	2.58	2.144	0.449		18:45	9.32	2.64	2.219	1.575	
6:15	9.39	2.63	2.227	0.472		19:00	9.16	2.48	2.036	1.596	
6:30	9.51	2.65	2.291	0.496		19:15	9.27	2.60	2.163	1.619	
6:45	9.63	2.80	2.460	0.522		19:30	9.15	2.64	2.162	1.642	
7:00	9.91	2.61	2.383	0.547		19:45	9.38	2.71	2.296	1.665	
7:15	9.78	2.82	2.530	0.573		20:00	9.28	2.79	2.327	1.690	
7:30	9.62	2.64	2.314	0.597		20:15	9.24	2.62	2.178	1.712	
7:45	9.78	2.65	2.382	0.622		20:30	9.12	2.70	2.202	1.735	
8:00	9.80	2.57	2.311	0.646		20:45	9.11	2.50	2.036	1.757	
8:15	9.71	2.60	2.315	0.670		21:00	9.18	2.53	2.084	1.778	
8:30	9.67	2.62	2.315	0.694		21:15	9.02	2.58	2.070	1.800	
8:45	9.55	2.75	2.391	0.719		21:30	9.17	2.69	2.211	1.823	
9:00	9.51	2.69	2.321	0.743		21:45	8.99	2.65	2.116	1.845	
9:15	9.55	2.76	2.397	0.768		22:00	8.94	2.70	2.139	1.867	
9:30	9.40	2.64	2.248	0.792		22:15	8.99	2.68	2.144	1.890	
9:45	9.35	2.76	2.327	0.816		22:30	8.73	2.34	1.794	1.908	
10:00	9.27	2.52	2.099	0.838		22:45	8.74	2.45	1.879	1.928	
10:15	9.34	2.59	2.187	0.861		23:00	8.61	2.40	1.809	1.947	
10:30	9.18	2.56	2.105	0.883		23:15	8.57	2.43	1.816	1.966	
10:45	9.15	2.64	2.160	0.905		23:30	8.49	1.88	1.387	1.980	
11:00	9.20	2.55	2.102	0.927		23:45	8.44	2.19	1.606	1.997	
11:15	8.98	2.57	2.055	0.948		<b>Daily Totals:</b>		1.606		<b>1.997</b>	<b>0.01</b>
11:30	9.14	2.56	2.090	0.970		<b>Data reported every:</b>	15 Minutes				
11:45	8.96	2.47	1.966	0.991							
12:00	9.03	2.69	2.161	1.013							
12:15	8.96	2.44	1.939	1.033							

# Daily Flow Report



Site:

2

Beaver St. at Oakley Ln.

Waltham, MA

30" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/25/2014</b>						12:30	8.83	2.60	2.030	0.991	
0:00	8.29	2.31	1.649	0.017		12:45	8.81	2.52	1.958	1.012	
0:15	8.36	2.36	1.702	0.035		13:00	8.76	2.59	1.999	1.032	
0:30	8.24	2.20	1.558	0.051		13:15	8.75	2.44	1.877	1.052	
0:45	8.17	2.35	1.643	0.068		13:30	8.74	2.48	1.910	1.072	
1:00	8.14	2.23	1.553	0.084		13:45	8.80	2.60	2.021	1.093	
1:15	8.11	2.28	1.580	0.101		14:00	8.76	2.49	1.918	1.113	
1:30	8.05	2.45	1.676	0.118		14:15	8.64	2.39	1.806	1.132	
1:45	8.06	2.28	1.563	0.135		14:30	8.72	2.52	1.929	1.152	
2:00	8.11	1.89	1.309	0.148		14:45	8.68	2.49	1.892	1.171	
2:15	8.07	2.30	1.584	0.165		15:00	8.67	2.43	1.850	1.191	
2:30	7.94	2.32	1.558	0.181		15:15	8.71	2.50	1.913	1.211	
2:45	8.17	2.24	1.567	0.197		15:30	8.71	2.50	1.912	1.231	
3:00	7.87	2.08	1.380	0.212		15:45	8.79	2.48	1.922	1.251	
3:15	7.89	2.17	1.445	0.227		16:00	8.75	2.52	1.938	1.271	
3:30	7.90	2.20	1.471	0.242		16:15	8.72	2.54	1.943	1.291	
3:45	8.04	2.29	1.565	0.258		16:30	8.86	2.49	1.947	1.311	
4:00	7.98	2.09	1.412	0.273		16:45	8.77	2.42	1.870	1.331	
4:15	8.08	2.38	1.639	0.290		17:00	8.90	2.48	1.954	1.351	
4:30	8.12	2.29	1.586	0.307		17:15	9.02	2.41	1.938	1.371	
4:45	8.12	2.10	1.457	0.322		17:30	9.18	2.49	2.048	1.393	
5:00	8.22	2.03	1.430	0.337		17:45	8.96	2.58	2.049	1.414	
5:15	8.40	2.48	1.800	0.355		18:00	9.06	2.64	2.135	1.436	
5:30	8.54	2.42	1.801	0.374		18:15	9.17	2.64	2.165	1.459	
5:45	8.66	2.53	1.920	0.394		18:30	9.08	2.55	2.061	1.480	
6:00	8.98	2.42	1.933	0.414		18:45	9.05	2.51	2.023	1.501	
6:15	9.26	2.39	1.991	0.435		19:00	9.19	2.61	2.150	1.524	
6:30	9.32	2.68	2.248	0.459		19:15	9.05	2.62	2.114	1.546	
6:45	9.51	2.64	2.277	0.482		19:30	9.03	2.48	1.994	1.567	
7:00	9.47	2.58	2.219	0.505		19:45	9.04	2.65	2.136	1.589	
7:15	9.67	2.54	2.245	0.529		20:00	9.05	2.69	2.174	1.611	
7:30	9.61	2.70	2.371	0.553		20:15	9.26	2.16	1.801	1.630	
7:45	9.71	2.53	2.253	0.577		20:30	9.01	2.36	1.895	1.650	
8:00	9.73	2.85	2.538	0.603		20:45	8.94	2.46	1.948	1.670	
8:15	9.52	2.63	2.276	0.627		21:00	8.85	2.54	1.986	1.691	
8:30	9.56	2.63	2.285	0.651		21:15	8.97	2.60	2.068	1.712	
8:45	9.41	2.90	2.467	0.677		21:30	8.83	2.59	2.019	1.734	
9:00	9.36	2.64	2.230	0.700		21:45	8.76	2.46	1.895	1.753	
9:15	9.36	2.57	2.172	0.722		22:00	8.76	2.48	1.912	1.773	
9:30	9.34	2.65	2.234	0.746		22:15	8.74	2.40	1.843	1.792	
9:45	9.24	2.50	2.071	0.767		22:30	8.64	2.19	1.656	1.810	
10:00	9.00	2.58	2.063	0.789		22:45	8.72	2.28	1.745	1.828	
10:15	9.17	2.45	2.013	0.810		23:00	8.60	2.42	1.822	1.847	
10:30	9.01	2.50	2.005	0.831		23:15	8.49	2.40	1.770	1.865	
10:45	8.98	2.54	2.023	0.852		23:30	8.49	2.66	1.961	1.886	
11:00	8.98	2.42	1.933	0.872		23:45	8.40	2.42	1.759	1.904	
11:15	8.96	2.33	1.853	0.891		<b>Daily Totals:</b>		1.759		1.904	0.00
11:30	8.87	2.56	2.008	0.912		<b>Data reported every:</b>	15 Minutes				
11:45	8.93	2.21	1.752	0.930							
12:00	8.93	2.42	1.917	0.950							
12:15	8.88	2.42	1.903	0.970							

# Daily Flow Report



Site:

2  
Beaver St. at Oakley Ln. Waltham, MA 30" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/26/2014</b>						12:30	9.58	2.68	2.337	0.985	0.01
0:00	8.29	2.31	1.649	0.017		12:45	9.44	2.70	2.307	1.009	
0:15	8.29	2.44	1.744	0.035		13:00	9.56	2.60	2.259	1.032	
0:30	8.19	2.39	1.679	0.053		13:15	9.37	2.74	2.322	1.056	
0:45	8.02	2.02	1.379	0.067		13:30	9.33	2.70	2.269	1.080	
1:00	7.99	2.36	1.601	0.084		13:45	9.30	2.52	2.106	1.102	
1:15	8.22	2.33	1.641	0.101		14:00	9.24	2.74	2.277	1.126	
1:30	8.07	2.38	1.637	0.118		14:15	9.23	2.65	2.199	1.149	
1:45	7.93	2.32	1.557	0.134		14:30	9.20	2.49	2.053	1.170	0.01
2:00	7.92	2.20	1.472	0.150		14:45	9.23	2.69	2.227	1.193	
2:15	7.99	2.25	1.525	0.165		15:00	9.23	2.77	2.298	1.217	
2:30	7.91	2.15	1.440	0.180		15:15	8.95	2.41	1.913	1.237	
2:45	7.88	2.26	1.506	0.196		15:30	8.83	2.49	1.940	1.257	
3:00	7.97	2.12	1.431	0.211		15:45	8.99	2.69	2.149	1.280	
3:15	7.86	1.98	1.310	0.225		16:00	8.98	2.57	2.047	1.301	
3:30	7.78	2.21	1.443	0.240		16:15	8.97	2.54	2.028	1.322	
3:45	7.85	2.33	1.541	0.256		16:30	9.18	2.73	2.247	1.346	
4:00	7.88	2.20	1.462	0.271		16:45	9.03	2.52	2.027	1.367	
4:15	7.84	2.04	1.348	0.285		17:00	9.01	2.68	2.146	1.389	
4:30	7.76	1.97	1.283	0.298		17:15	9.04	2.32	1.869	1.409	
4:45	7.89	2.37	1.575	0.315		17:30	9.21	2.58	2.129	1.431	
5:00	8.00	1.99	1.350	0.329		17:45	8.91	2.59	2.049	1.452	
5:15	8.02	2.38	1.623	0.346		18:00	9.12	2.53	2.066	1.474	
5:30	8.01	2.34	1.594	0.362		18:15	9.00	2.52	2.022	1.495	
5:45	8.09	2.05	1.411	0.377		18:30	9.02	2.77	2.223	1.518	
6:00	8.20	2.40	1.689	0.395		18:45	9.15	2.61	2.132	1.540	
6:15	8.33	2.33	1.676	0.412		19:00	9.15	2.54	2.080	1.562	
6:30	8.44	2.42	1.773	0.431		19:15	9.03	2.38	1.911	1.582	
6:45	8.56	2.33	1.735	0.449		19:30	9.09	2.55	2.067	1.603	
7:00	8.54	2.34	1.740	0.467		19:45	8.94	2.44	1.935	1.623	
7:15	8.81	2.44	1.897	0.487		20:00	8.98	2.56	2.043	1.645	
7:30	8.84	2.49	1.943	0.507	0.01	20:15	8.94	2.60	2.062	1.666	
7:45	9.18	2.61	2.147	0.529	0.01	20:30	8.99	2.59	2.068	1.688	
8:00	9.25	2.61	2.169	0.552	0.02	20:45	8.89	2.57	2.025	1.709	
8:15	9.37	2.66	2.246	0.575	0.01	21:00	8.86	2.52	1.972	1.729	
8:30	9.45	2.46	2.103	0.597	0.01	21:15	8.74	2.49	1.910	1.749	
8:45	9.66	2.77	2.445	0.623	0.03	21:30	8.83	2.47	1.927	1.769	
9:00	9.62	2.71	2.376	0.647	0.01	21:45	8.73	2.39	1.835	1.788	
9:15	9.50	2.68	2.316	0.671	0.01	22:00	8.70	2.58	1.970	1.809	
9:30	9.61	2.54	2.223	0.695	0.02	22:15	8.66	2.56	1.944	1.829	
9:45	9.65	2.54	2.239	0.718	0.01	22:30	8.66	2.14	1.623	1.846	
10:00	9.58	2.43	2.116	0.740	0.01	22:45	8.63	2.53	1.914	1.866	
10:15	9.64	2.55	2.248	0.763	0.01	23:00	8.48	2.45	1.803	1.885	
10:30	9.80	2.65	2.386	0.788	0.01	23:15	8.41	2.48	1.805	1.903	
10:45	9.73	2.57	2.290	0.812	0.01	23:30	8.43	2.46	1.795	1.922	
11:00	9.57	2.73	2.381	0.837	0.01	23:45	8.43	2.53	1.848	1.941	
11:15	9.67	2.71	2.392	0.862		<b>Daily Totals:</b>		1.848		<b>1.941</b>	<b>0.25</b>
11:30	9.72	2.73	2.435	0.887	0.01	<b>Data reported every:</b>	15 Minutes				
11:45	9.70	2.62	2.326	0.911	0.01						
12:00	9.68	2.80	2.473	0.937	0.01						
12:15	9.34	2.65	2.232	0.960	0.01						

# Daily Flow Report



Site:

2  
Beaver St. at Oakley Ln. Waltham, MA 30" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/27/2014</b>						12:30	9.47	2.51	2.152	0.989	
0:00	8.35	2.46	1.772	0.018		12:45	9.22	2.79	2.305	1.013	
0:15	8.27	2.24	1.592	0.035	0.01	13:00	9.39	2.47	2.094	1.035	
0:30	8.25	2.39	1.690	0.053		13:15	9.36	2.40	2.024	1.056	
0:45	8.31	2.36	1.686	0.070	0.01	13:30	9.47	2.46	2.111	1.078	
1:00	8.11	2.33	1.614	0.087	0.01	13:45	9.31	2.94	2.466	1.104	
1:15	8.19	2.08	1.457	0.102	0.03	14:00	9.32	2.57	2.154	1.126	
1:30	8.18	2.36	1.653	0.119	0.05	14:15	9.10	2.44	1.980	1.147	
1:45	8.14	2.27	1.579	0.136	0.01	14:30	9.33	2.52	2.116	1.169	
2:00	8.01	1.99	1.357	0.150		14:45	9.21	2.51	2.076	1.191	
2:15	8.21	2.30	1.617	0.167		15:00	9.12	2.31	1.880	1.210	
2:30	8.18	2.24	1.567	0.183	0.01	15:15	9.24	2.31	1.919	1.230	
2:45	8.06	2.23	1.535	0.199		15:30	9.10	2.57	2.087	1.252	0.01
3:00	8.10	2.28	1.578	0.216		15:45	9.17	2.50	2.056	1.273	
3:15	8.12	2.26	1.569	0.232		16:00	9.04	2.46	1.981	1.294	
3:30	8.09	1.96	1.355	0.246		16:15	9.24	2.40	1.989	1.315	
3:45	8.17	2.28	1.596	0.263		16:30	9.09	2.41	1.958	1.335	
4:00	8.16	2.27	1.582	0.279		16:45	9.22	2.59	2.142	1.357	
4:15	8.14	2.31	1.607	0.296	0.01	17:00	9.34	2.59	2.184	1.380	
4:30	7.94	2.20	1.476	0.311		17:15	9.28	2.84	2.367	1.405	
4:45	8.09	2.22	1.536	0.327		17:30	9.29	2.65	2.219	1.428	
5:00	8.06	2.27	1.559	0.344		17:45	9.30	2.52	2.110	1.450	
5:15	8.16	2.38	1.663	0.361		18:00	9.17	2.56	2.104	1.472	
5:30	8.16	2.20	1.532	0.377		18:15	9.28	2.64	2.207	1.495	
5:45	8.34	2.22	1.597	0.393		18:30	9.36	2.61	2.200	1.518	
6:00	8.26	2.35	1.666	0.411		18:45	9.38	2.66	2.255	1.541	
6:15	8.32	2.17	1.559	0.427		19:00	9.30	2.55	2.133	1.563	
6:30	8.51	2.47	1.833	0.446		19:15	9.48	2.59	2.227	1.587	
6:45	8.51	2.53	1.874	0.466		19:30	9.45	2.62	2.246	1.610	
7:00	8.70	2.53	1.933	0.486		19:45	9.55	2.91	2.532	1.636	
7:15	9.02	2.51	2.016	0.507		20:00	9.44	2.54	2.176	1.659	
7:30	8.83	2.63	2.046	0.528		20:15	9.38	2.58	2.182	1.682	
7:45	9.02	2.45	1.965	0.549		20:30	9.34	2.65	2.230	1.705	
8:00	9.15	2.53	2.074	0.570		20:45	9.31	2.48	2.078	1.727	
8:15	9.39	2.42	2.052	0.592		21:00	9.35	2.52	2.122	1.749	
8:30	9.22	2.60	2.153	0.614		21:15	9.14	2.58	2.110	1.771	
8:45	9.45	2.57	2.196	0.637		21:30	9.19	2.44	2.006	1.792	
9:00	9.37	2.57	2.173	0.659		21:45	9.22	2.40	1.985	1.812	
9:15	9.78	2.69	2.415	0.685		22:00	8.97	2.65	2.110	1.834	
9:30	9.72	2.75	2.450	0.710		22:15	8.80	2.49	1.934	1.854	
9:45	9.73	2.58	2.302	0.734		22:30	8.91	2.54	2.005	1.875	
10:00	9.71	2.64	2.347	0.759		22:45	8.67	2.55	1.941	1.895	
10:15	9.69	2.81	2.486	0.784		23:00	8.67	2.30	1.745	1.914	
10:30	9.68	2.71	2.400	0.809		23:15	8.53	2.16	1.604	1.930	
10:45	9.79	2.68	2.406	0.835		23:30	8.49	2.24	1.655	1.948	
11:00	9.77	2.60	2.329	0.859		23:45	8.45	2.32	1.701	1.965	
11:15	9.74	2.41	2.152	0.881		<b>Daily Totals:</b>		1.701		<b>1.965</b>	<b>0.15</b>
11:30	9.60	2.54	2.221	0.904		<b>Data reported every:</b>	15 Minutes				
11:45	9.53	2.36	2.047	0.926							
12:00	9.52	2.33	2.011	0.947							
12:15	9.58	2.22	1.940	0.967							

# Daily Flow Report



Site:

2

Beaver St. at Oakley Ln.

Waltham, MA

30" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/28/2014</b>						12:30	8.65	2.41	1.828	0.960	
0:00	8.29	2.33	1.665	0.017		12:45	8.78	2.56	1.980	0.980	
0:15	8.25	2.41	1.705	0.035		13:00	8.79	2.49	1.924	1.000	
0:30	8.19	2.50	1.757	0.053		13:15	8.62	2.56	1.930	1.020	
0:45	8.07	2.02	1.387	0.068		13:30	8.70	2.26	1.727	1.038	
1:00	8.03	2.33	1.591	0.084		13:45	8.77	2.56	1.974	1.059	
1:15	8.11	2.20	1.525	0.100		14:00	8.74	2.52	1.935	1.079	
1:30	7.97	2.21	1.496	0.116		14:15	8.62	2.52	1.902	1.099	
1:45	7.87	2.23	1.484	0.131		14:30	8.60	2.40	1.800	1.118	
2:00	7.93	2.25	1.511	0.147		14:45	8.56	2.36	1.762	1.136	
2:15	7.98	2.22	1.507	0.163		15:00	8.59	2.27	1.702	1.154	
2:30	7.93	2.03	1.362	0.177		15:15	8.58	2.07	1.548	1.170	
2:45	7.91	1.96	1.313	0.191		15:30	8.59	2.32	1.737	1.188	
3:00	7.96	2.19	1.474	0.206		15:45	8.65	2.47	1.872	1.207	
3:15	7.96	2.28	1.536	0.222		16:00	8.75	2.45	1.883	1.227	
3:30	7.92	2.02	1.356	0.236		16:15	8.63	2.49	1.879	1.247	
3:45	7.96	1.91	1.284	0.250		16:30	8.60	2.06	1.549	1.263	
4:00	7.88	2.10	1.393	0.264		16:45	8.77	2.54	1.960	1.283	
4:15	7.98	2.09	1.414	0.279		17:00	8.78	2.56	1.981	1.304	
4:30	8.03	2.39	1.628	0.296		17:15	8.98	2.60	2.073	1.325	
4:45	8.19	1.99	1.399	0.310		17:30	8.92	2.43	1.921	1.345	
5:00	8.19	1.88	1.320	0.324		17:45	9.01	2.33	1.863	1.365	
5:15	8.47	2.06	1.516	0.340		18:00	9.20	2.23	1.840	1.384	
5:30	8.82	2.34	1.823	0.359		18:15	9.07	2.24	1.815	1.403	
5:45	9.01	2.28	1.827	0.378		18:30	9.15	2.64	2.159	1.425	
6:00	9.23	2.59	2.150	0.400		18:45	9.10	2.40	1.952	1.446	
6:15	9.43	2.81	2.397	0.425		19:00	9.29	2.53	2.111	1.468	
6:30	9.60	2.45	2.144	0.448		19:15	9.20	2.66	2.194	1.491	
6:45	9.75	2.82	2.525	0.474		19:30	9.19	2.59	2.139	1.513	
7:00	9.78	2.61	2.343	0.498		19:45	9.25	2.77	2.300	1.537	
7:15	9.73	2.80	2.496	0.524		20:00	9.29	2.64	2.207	1.560	
7:30	9.64	2.79	2.451	0.550		20:15	9.26	2.57	2.142	1.582	
7:45	9.55	2.69	2.339	0.574		20:30	9.05	2.57	2.069	1.604	
8:00	9.51	2.40	2.073	0.596		20:45	9.06	2.66	2.149	1.626	
8:15	9.36	2.57	2.168	0.618		21:00	9.01	2.45	1.966	1.647	
8:30	9.35	2.58	2.181	0.641		21:15	9.01	2.56	2.056	1.668	
8:45	9.13	2.45	1.997	0.662		21:30	8.95	2.50	1.988	1.689	
9:00	9.13	2.45	2.004	0.683		21:45	8.90	2.47	1.948	1.709	
9:15	9.32	2.51	2.105	0.705		22:00	8.84	2.22	1.738	1.727	
9:30	9.21	2.48	2.052	0.726		22:15	8.73	2.45	1.881	1.747	
9:45	9.05	2.34	1.888	0.746		22:30	8.60	2.38	1.793	1.765	
10:00	8.96	2.16	1.718	0.764		22:45	8.58	2.35	1.756	1.784	
10:15	9.10	2.32	1.888	0.783		23:00	8.43	2.51	1.834	1.803	
10:30	8.84	2.49	1.945	0.804		23:15	8.44	2.43	1.774	1.821	
10:45	8.74	2.52	1.936	0.824		23:30	8.18	2.43	1.700	1.839	
11:00	8.73	2.49	1.910	0.844		23:45	8.07	2.38	1.634	1.856	
11:15	8.74	2.40	1.844	0.863		<b>Daily Totals:</b>		1.634		<b>1.856</b>	<b>0.00</b>
11:30	8.87	2.55	2.000	0.884		<b>Data reported every:</b>	15 Minutes				
11:45	8.78	2.35	1.818	0.903							
12:00	8.84	2.44	1.907	0.922							
12:15	8.75	2.27	1.746	0.941							

# Daily Flow Report



Site:

2

Beaver St. at Oakley Ln.

Waltham, MA

30" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/29/2014</b>						12:30	8.54	2.38	1.768	0.929	
0:00	8.15	2.34	1.631	0.017		12:45	8.53	2.43	1.809	0.948	
0:15	8.23	2.19	1.550	0.033		13:00	8.61	2.52	1.899	0.967	
0:30	7.94	2.21	1.486	0.049		13:15	8.49	2.50	1.845	0.987	
0:45	7.93	2.19	1.468	0.064		13:30	8.52	2.52	1.867	1.006	
1:00	7.94	2.26	1.521	0.080		13:45	8.58	2.45	1.837	1.025	
1:15	7.84	2.31	1.527	0.096		14:00	8.63	2.41	1.819	1.044	
1:30	7.83	2.16	1.423	0.110		14:15	8.55	2.46	1.837	1.063	
1:45	7.77	2.19	1.426	0.125		14:30	8.44	2.38	1.745	1.081	
2:00	7.99	2.16	1.465	0.141		14:45	8.49	2.42	1.787	1.100	
2:15	7.79	2.10	1.371	0.155		15:00	8.58	2.37	1.776	1.119	
2:30	7.72	1.90	1.229	0.168		15:15	8.38	2.19	1.588	1.135	
2:45	7.79	2.09	1.364	0.182		15:30	8.49	2.39	1.760	1.153	
3:00	7.74	2.16	1.404	0.196		15:45	8.50	2.36	1.744	1.172	
3:15	7.71	2.02	1.302	0.210		16:00	8.62	2.07	1.562	1.188	
3:30	7.77	2.02	1.320	0.224		16:15	8.61	2.39	1.799	1.207	
3:45	7.83	1.88	1.236	0.237		16:30	8.64	2.43	1.842	1.226	
4:00	7.74	1.87	1.215	0.249		16:45	8.62	2.65	1.999	1.247	
4:15	7.78	2.01	1.312	0.263		17:00	8.66	2.52	1.907	1.266	
4:30	7.80	2.08	1.367	0.277		17:15	8.74	2.57	1.973	1.287	
4:45	7.89	1.98	1.314	0.291		17:30	8.82	2.44	1.903	1.307	
5:00	8.06	1.98	1.360	0.305		17:45	8.74	2.41	1.851	1.326	
5:15	8.25	2.03	1.435	0.320		18:00	9.01	2.13	1.706	1.344	
5:30	8.46	2.36	1.731	0.338		18:15	9.03	2.60	2.087	1.366	
5:45	8.80	2.63	2.044	0.359		18:30	9.07	2.47	2.002	1.386	
6:00	8.99	2.54	2.030	0.381		18:45	9.13	2.34	1.912	1.406	
6:15	9.38	2.67	2.259	0.404		19:00	8.96	2.63	2.090	1.428	
6:30	9.80	2.91	2.618	0.431		19:15	9.07	2.52	2.038	1.449	
6:45	9.63	2.57	2.258	0.455		19:30	9.10	2.56	2.081	1.471	
7:00	9.78	2.72	2.447	0.480		19:45	8.95	2.40	1.904	1.491	
7:15	9.50	2.24	1.930	0.500		20:00	9.11	2.63	2.144	1.513	
7:30	9.50	2.44	2.104	0.522		20:15	8.85	2.54	1.982	1.534	
7:45	9.43	2.60	2.221	0.545		20:30	8.91	2.46	1.939	1.554	
8:00	9.34	2.66	2.240	0.569		20:45	8.94	2.35	1.862	1.573	
8:15	9.21	2.43	2.011	0.590		21:00	8.92	2.39	1.890	1.593	
8:30	9.05	2.55	2.053	0.611		21:15	8.88	2.47	1.944	1.613	
8:45	9.02	2.46	1.974	0.632		21:30	8.83	2.82	2.200	1.636	
9:00	9.09	2.59	2.106	0.654		21:45	8.80	2.66	2.067	1.658	
9:15	8.89	2.54	1.996	0.674		22:00	8.72	2.43	1.857	1.677	
9:30	8.96	2.47	1.969	0.695		22:15	8.53	2.49	1.852	1.697	
9:45	8.93	2.49	1.972	0.716		22:30	8.53	2.34	1.736	1.715	
10:00	8.80	2.37	1.838	0.735		22:45	8.50	2.61	1.931	1.735	
10:15	8.67	2.36	1.793	0.753		23:00	8.34	2.17	1.563	1.751	
10:30	8.80	2.62	2.029	0.774		23:15	8.25	2.19	1.549	1.767	
10:45	8.72	2.56	1.961	0.795		23:30	8.19	2.13	1.494	1.783	
11:00	8.71	2.40	1.835	0.814		23:45	8.04	2.29	1.569	1.799	
11:15	8.69	2.21	1.683	0.832		<b>Daily Totals:</b>		1.569		<b>1.799</b>	<b>0.00</b>
11:30	8.60	2.44	1.832	0.851		<b>Data reported every:</b>	15 Minutes				
11:45	8.56	2.55	1.905	0.870							
12:00	8.61	2.54	1.914	0.890							
12:15	8.66	2.52	1.913	0.910							



# Daily Flow Report



Site:

2  
Beaver St. at Oakley Ln. Waltham, MA 30" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/30/2014</b>						12:30	8.63	2.54	1.917	0.924	
0:00	7.94	2.38	1.600	0.017		12:45	8.66	2.38	1.807	0.942	
0:15	7.91	2.13	1.425	0.032		13:00	8.41	2.48	1.811	0.961	
0:30	7.92	2.26	1.512	0.047		13:15	8.58	2.59	1.940	0.981	
0:45	7.70	2.19	1.407	0.062		13:30	8.54	2.12	1.575	0.998	
1:00	7.79	2.19	1.430	0.077		13:45	8.46	2.17	1.594	1.014	
1:15	7.68	2.17	1.387	0.091		14:00	8.56	2.32	1.736	1.033	
1:30	7.64	1.92	1.222	0.104		14:15	8.56	2.38	1.776	1.051	
1:45	7.73	2.30	1.489	0.120		14:30	8.39	2.53	1.837	1.070	
2:00	7.67	2.19	1.404	0.134		14:45	8.51	2.45	1.812	1.089	
2:15	7.65	2.09	1.335	0.148		15:00	8.44	2.52	1.847	1.108	
2:30	7.64	2.00	1.274	0.161		15:15	8.44	2.30	1.685	1.126	
2:45	7.70	1.99	1.281	0.175		15:30	8.36	2.45	1.765	1.144	
3:00	7.59	1.91	1.204	0.187		15:45	8.36	2.25	1.623	1.161	
3:15	7.65	1.89	1.208	0.200		16:00	8.47	2.30	1.691	1.179	
3:30	7.74	2.22	1.440	0.215		16:15	8.65	2.64	1.996	1.200	0.01
3:45	7.62	2.16	1.371	0.229		16:30	8.53	2.59	1.924	1.220	
4:00	7.59	2.20	1.390	0.244		16:45	8.50	2.27	1.675	1.237	0.01
4:15	7.72	2.08	1.347	0.258		17:00	8.64	2.31	1.747	1.255	
4:30	7.75	2.15	1.393	0.272		17:15	8.62	2.10	1.584	1.272	0.01
4:45	7.84	2.28	1.506	0.288		17:30	8.94	2.14	1.699	1.289	
5:00	7.95	2.28	1.531	0.304		17:45	8.79	2.55	1.971	1.310	0.01
5:15	8.09	2.26	1.562	0.320		18:00	9.09	2.59	2.097	1.332	0.01
5:30	8.42	2.34	1.707	0.338		18:15	8.85	2.57	2.012	1.353	
5:45	8.62	2.56	1.926	0.358		18:30	8.98	2.32	1.850	1.372	
6:00	8.97	2.51	2.002	0.379		18:45	9.13	2.49	2.035	1.393	0.01
6:15	9.26	2.59	2.156	0.401		19:00	9.08	2.63	2.126	1.415	0.01
6:30	9.42	2.69	2.292	0.425		19:15	9.08	2.59	2.095	1.437	0.02
6:45	9.54	2.56	2.218	0.448	0.01	19:30	9.14	2.60	2.125	1.459	0.01
7:00	9.80	2.44	2.197	0.471		19:45	9.16	2.43	1.995	1.480	0.02
7:15	9.53	2.64	2.289	0.495	0.01	20:00	9.25	2.60	2.162	1.503	0.03
7:30	9.59	2.66	2.330	0.519		20:15	9.06	2.54	2.053	1.524	0.02
7:45	9.37	2.40	2.031	0.540	0.02	20:30	8.98	2.68	2.138	1.546	0.01
8:00	9.32	2.68	2.252	0.564	0.01	20:45	8.96	2.50	1.986	1.567	
8:15	9.32	2.70	2.268	0.587	0.01	21:00	9.02	2.66	2.131	1.589	0.01
8:30	9.17	2.50	2.055	0.609	0.01	21:15	8.94	2.41	1.913	1.609	
8:45	9.19	2.28	1.882	0.628		21:30	8.90	2.52	1.984	1.630	0.02
9:00	9.12	2.43	1.980	0.649		21:45	8.87	2.72	2.133	1.652	0.02
9:15	8.95	2.51	1.997	0.670		22:00	8.71	2.36	1.802	1.671	0.02
9:30	9.10	2.41	1.959	0.690		22:15	8.86	2.33	1.828	1.690	0.02
9:45	8.84	2.54	1.982	0.711		22:30	8.52	2.19	1.625	1.707	0.02
10:00	8.87	2.48	1.943	0.731		22:45	8.51	2.36	1.747	1.725	0.03
10:15	8.75	2.40	1.850	0.750		23:00	8.65	2.47	1.871	1.744	0.02
10:30	8.75	2.43	1.870	0.770		23:15	8.57	2.48	1.855	1.764	0.01
10:45	8.89	2.36	1.856	0.789		23:30	8.50	2.35	1.734	1.782	0.01
11:00	8.60	2.40	1.802	0.808		23:45	8.45	2.51	1.841	1.801	0.01
11:15	8.45	2.38	1.745	0.826		<b>Daily Totals:</b>		1.841		<b>1.801</b>	<b>0.44</b>
11:30	8.70	2.44	1.865	0.846		<b>Data reported every:</b>	15 Minutes				
11:45	8.59	2.54	1.903	0.865							
12:00	8.68	2.62	1.992	0.886							
12:15	8.47	2.28	1.677	0.904							

# Daily Flow Report



Site:

2  
 Beaver St. at Oakley Ln. Waltham, MA 30" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/1/2014</b>						12:30	9.41	2.53	2.152	1.158	
0:00	8.53	2.49	1.848	0.019	0.01	12:45	9.47	2.71	2.328	1.183	
0:15	8.42	2.35	1.714	0.037	0.01	13:00	9.37	2.70	2.285	1.207	
0:30	8.30	2.44	1.745	0.055	0.03	13:15	9.54	2.84	2.465	1.232	
0:45	8.32	2.45	1.758	0.074	0.02	13:30	9.35	2.71	2.286	1.256	
1:00	8.23	2.27	1.603	0.090	0.03	13:45	9.40	2.76	2.348	1.280	
1:15	8.30	2.36	1.690	0.108	0.02	14:00	9.53	2.66	2.307	1.305	
1:30	8.27	2.30	1.637	0.125	0.02	14:15	9.29	2.60	2.179	1.327	
1:45	8.34	2.17	1.559	0.141	0.02	14:30	9.44	2.92	2.495	1.353	
2:00	8.43	2.61	1.904	0.161	0.01	14:45	9.40	3.01	2.557	1.380	
2:15	8.50	2.37	1.754	0.179	0.02	15:00	9.38	2.76	2.337	1.404	
2:30	8.31	2.45	1.754	0.198	0.01	15:15	9.21	2.62	2.168	1.427	
2:45	8.48	2.18	1.609	0.214	0.01	15:30	9.21	2.56	2.112	1.449	
3:00	8.42	2.34	1.709	0.232	0.01	15:45	9.45	2.82	2.415	1.474	
3:15	8.38	2.29	1.661	0.249	0.01	16:00	9.28	2.88	2.403	1.499	
3:30	8.36	1.99	1.435	0.264	0.01	16:15	9.21	2.52	2.079	1.521	
3:45	8.47	2.22	1.631	0.281	0.01	16:30	9.06	2.71	2.193	1.543	
4:00	8.41	2.31	1.679	0.299	0.02	16:45	9.25	2.69	2.238	1.567	
4:15	8.47	2.33	1.714	0.317	0.06	17:00	9.36	2.63	2.223	1.590	
4:30	8.46	2.32	1.702	0.334	0.02	17:15	9.28	2.76	2.307	1.614	
4:45	8.58	2.48	1.856	0.354	0.01	17:30	9.74	2.83	2.522	1.640	
5:00	8.91	2.48	1.955	0.374	0.03	17:45	9.47	2.57	2.209	1.663	
5:15	9.23	2.45	2.030	0.395	0.02	18:00	9.37	2.94	2.486	1.689	
5:30	9.27	2.43	2.028	0.416	0.04	18:15	9.71	2.72	2.413	1.714	
5:45	9.60	2.88	2.523	0.443	0.03	18:30	9.74	2.88	2.574	1.741	
6:00	9.86	2.75	2.496	0.469	0.01	18:45	9.45	2.84	2.434	1.766	
6:15	10.40	2.83	2.765	0.497	0.01	19:00	9.63	2.54	2.229	1.790	
6:30	10.18	2.85	2.704	0.526	0.01	19:15	9.88	2.84	2.589	1.817	
6:45	10.26	2.83	2.717	0.554	0.03	19:30	9.61	2.74	2.402	1.842	
7:00	10.18	3.08	2.921	0.584	0.02	19:45	9.78	2.90	2.602	1.869	
7:15	10.27	2.98	2.863	0.614		20:00	9.89	2.74	2.500	1.895	
7:30	10.10	2.79	2.615	0.641		20:15	9.78	2.66	2.386	1.920	
7:45	10.10	2.72	2.547	0.668		20:30	9.68	2.80	2.476	1.945	
8:00	9.84	2.87	2.599	0.695		20:45	9.58	2.69	2.349	1.970	
8:15	10.45	2.80	2.757	0.724		21:00	9.65	2.68	2.366	1.995	
8:30	10.10	2.72	2.554	0.750	0.02	21:15	9.60	2.80	2.445	2.020	
8:45	10.08	2.74	2.563	0.777		21:30	9.49	2.66	2.288	2.044	
9:00	9.93	3.00	2.749	0.806		21:45	9.44	2.73	2.335	2.068	
9:15	9.85	2.64	2.389	0.831		22:00	9.44	2.77	2.369	2.093	
9:30	9.87	2.77	2.518	0.857		22:15	9.44	2.75	2.354	2.117	
9:45	9.87	2.73	2.484	0.883		22:30	9.22	2.47	2.047	2.139	
10:00	9.93	2.84	2.604	0.910		22:45	9.20	2.48	2.049	2.160	
10:15	9.74	2.89	2.583	0.937		23:00	9.22	2.58	2.139	2.182	
10:30	9.58	2.78	2.427	0.962		23:15	9.28	2.72	2.269	2.206	
10:45	9.63	2.71	2.383	0.987		23:30	9.02	2.78	2.229	2.229	
11:00	9.68	2.67	2.365	1.011		23:45	8.93	2.48	1.966	2.250	
11:15	9.74	2.75	2.459	1.037		<b>Daily Totals:</b>		1.966		<b>2.250</b>	<b>0.58</b>
11:30	9.67	2.83	2.503	1.063		<b>Data reported every:</b>	15 Minutes				
11:45	9.51	2.76	2.386	1.088							
12:00	9.42	2.50	2.132	1.110							
12:15	9.49	2.89	2.484	1.136							

# Daily Flow Report



Site:

2  
Beaver St. at Oakley Ln.

Waltham, MA

30" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/2/2014</b>						12:30	9.19	2.67	2.201	1.159	
0:00	8.90	2.53	1.991	0.021		12:45	9.22	2.66	2.203	1.182	
0:15	8.72	2.69	2.059	0.042		13:00	9.29	2.77	2.318	1.207	
0:30	8.69	2.51	1.912	0.062		13:15	9.22	2.61	2.157	1.229	
0:45	8.69	2.28	1.736	0.080		13:30	9.20	2.75	2.272	1.253	
1:00	8.55	2.47	1.843	0.099		13:45	9.23	2.71	2.245	1.276	
1:15	8.70	2.40	1.834	0.118		14:00	9.06	2.74	2.210	1.299	
1:30	8.64	2.37	1.788	0.137		14:15	8.91	2.45	1.933	1.319	
1:45	8.42	2.46	1.797	0.156	0.01	14:30	9.01	2.47	1.978	1.340	
2:00	8.42	2.53	1.845	0.175		14:45	9.14	2.76	2.255	1.363	
2:15	8.61	2.49	1.869	0.195		15:00	9.07	2.58	2.092	1.385	
2:30	8.51	2.22	1.644	0.212		15:15	9.05	2.78	2.240	1.408	
2:45	8.50	2.35	1.739	0.230		15:30	9.08	2.64	2.139	1.431	
3:00	8.48	2.52	1.853	0.249		15:45	9.01	2.52	2.019	1.452	
3:15	8.53	2.51	1.865	0.268		16:00	9.18	2.60	2.138	1.474	
3:30	8.43	2.25	1.647	0.286		16:15	9.13	2.66	2.170	1.497	
3:45	8.48	2.51	1.849	0.305		16:30	9.14	2.66	2.177	1.519	
4:00	8.52	2.37	1.760	0.323		16:45	8.97	2.59	2.066	1.541	
4:15	8.55	2.38	1.777	0.342		17:00	9.21	2.74	2.261	1.564	
4:30	8.50	2.42	1.786	0.360		17:15	9.22	2.66	2.200	1.587	
4:45	8.52	2.51	1.859	0.380		17:30	9.54	2.71	2.349	1.612	
5:00	8.71	2.66	2.032	0.401		17:45	9.37	2.82	2.386	1.637	
5:15	9.13	2.59	2.116	0.423		18:00	9.31	2.67	2.241	1.660	
5:30	9.09	2.74	2.222	0.446		18:15	9.12	2.65	2.161	1.682	
5:45	9.44	2.83	2.419	0.471		18:30	9.37	2.83	2.395	1.707	
6:00	9.66	2.76	2.440	0.497		18:45	9.38	2.70	2.287	1.731	
6:15	9.82	2.83	2.553	0.523		19:00	9.49	2.62	2.256	1.755	
6:30	9.89	2.90	2.648	0.551		19:15	9.17	2.80	2.298	1.779	
6:45	10.03	2.95	2.739	0.579		19:30	9.43	2.84	2.425	1.804	
7:00	10.12	2.85	2.677	0.607		19:45	9.37	2.83	2.396	1.829	
7:15	10.09	2.90	2.720	0.636		20:00	9.46	2.62	2.246	1.852	
7:30	10.37	2.93	2.847	0.665		20:15	9.55	2.63	2.287	1.876	
7:45	9.97	2.74	2.521	0.692		20:30	9.26	2.87	2.386	1.901	
8:00	9.85	2.86	2.592	0.719		20:45	9.20	2.69	2.217	1.924	
8:15	9.98	2.95	2.723	0.747		21:00	9.29	2.70	2.254	1.948	
8:30	9.66	2.75	2.429	0.772		21:15	9.36	2.78	2.350	1.972	
8:45	9.65	3.06	2.693	0.800		21:30	9.28	2.78	2.325	1.996	
9:00	9.52	2.81	2.434	0.826		21:45	9.16	2.62	2.148	2.019	
9:15	9.55	2.87	2.495	0.852		22:00	8.95	2.71	2.149	2.041	
9:30	9.62	2.82	2.471	0.877		22:15	9.27	2.80	2.337	2.065	
9:45	9.24	2.69	2.235	0.901		22:30	9.15	2.63	2.156	2.088	
10:00	9.27	2.66	2.217	0.924		22:45	9.16	2.62	2.149	2.110	
10:15	9.21	2.76	2.275	0.947		23:00	9.06	2.53	2.041	2.131	
10:30	9.19	2.56	2.110	0.969		23:15	8.93	2.43	1.923	2.151	
10:45	9.45	2.73	2.337	0.994		23:30	8.87	2.41	1.890	2.171	
11:00	9.31	2.88	2.415	1.019		23:45	8.85	2.67	2.088	2.193	
11:15	9.33	2.71	2.280	1.043		<b>Daily Totals:</b>		2.088		<b>2.193</b>	<b>0.01</b>
11:30	9.18	2.78	2.286	1.066		<b>Data reported every:</b>	15 Minutes				
11:45	9.37	2.71	2.291	1.090							
12:00	9.07	2.62	2.124	1.112							
12:15	9.34	2.74	2.311	1.137							

# Daily Flow Report

Site:

2  
 Beaver St. at Oakley Ln. Waltham, MA 30" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/3/2014</b>						12:30	9.22	2.70	2.238	1.091	
0:00	8.72	2.58	1.974	0.021		12:45	9.26	2.57	2.140	1.113	
0:15	8.75	2.40	1.845	0.040		13:00	9.46	2.52	2.163	1.135	
0:30	8.60	2.51	1.888	0.059		13:15	9.18	2.55	2.096	1.157	
0:45	8.56	2.32	1.732	0.077		13:30	9.24	2.60	2.161	1.180	
1:00	8.58	2.23	1.673	0.095		13:45	9.23	2.94	2.435	1.205	
1:15	8.50	2.17	1.605	0.112		14:00	9.16	2.73	2.238	1.228	
1:30	8.40	2.11	1.532	0.128		14:15	9.11	2.81	2.284	1.252	
1:45	8.49	2.34	1.728	0.146		14:30	9.37	2.73	2.310	1.276	
2:00	8.36	2.64	1.906	0.165		14:45	9.68	2.93	2.589	1.303	
2:15	8.28	2.11	1.503	0.181		15:00	9.12	2.63	2.144	1.326	
2:30	8.39	2.29	1.663	0.198		15:15	9.08	2.54	2.056	1.347	
2:45	8.29	2.29	1.634	0.215		15:30	9.21	2.65	2.191	1.370	
3:00	8.31	2.29	1.635	0.232		15:45	9.12	2.66	2.170	1.392	
3:15	8.31	2.51	1.799	0.251		16:00	9.08	2.58	2.090	1.414	
3:30	8.33	2.52	1.810	0.270		16:15	9.33	2.63	2.209	1.437	
3:45	8.36	2.31	1.667	0.287		16:30	9.38	2.58	2.191	1.460	
4:00	8.28	2.24	1.593	0.304		16:45	9.25	2.60	2.159	1.483	
4:15	8.22	2.13	1.504	0.320		17:00	9.15	2.58	2.111	1.504	
4:30	8.52	2.30	1.704	0.337		17:15	9.17	2.79	2.289	1.528	
4:45	8.30	2.35	1.680	0.355		17:30	9.26	2.67	2.218	1.551	
5:00	8.46	2.32	1.707	0.373		17:45	9.35	2.68	2.258	1.575	
5:15	8.50	2.46	1.816	0.392		18:00	9.20	2.73	2.253	1.598	
5:30	8.47	2.49	1.831	0.411		18:15	9.25	2.57	2.134	1.621	
5:45	8.58	2.56	1.913	0.431		18:30	9.25	2.72	2.266	1.644	
6:00	8.76	2.26	1.744	0.449		18:45	9.18	2.53	2.079	1.666	
6:15	8.72	2.50	1.913	0.469		19:00	9.21	2.70	2.235	1.689	
6:30	8.91	2.50	1.974	0.489		19:15	9.34	2.61	2.202	1.712	
6:45	9.14	2.65	2.164	0.512		19:30	9.16	2.67	2.191	1.735	
7:00	9.26	2.54	2.116	0.534		19:45	9.11	2.72	2.212	1.758	
7:15	9.19	2.58	2.129	0.556		20:00	9.14	2.71	2.213	1.781	
7:30	9.44	2.59	2.212	0.579		20:15	9.13	2.75	2.245	1.804	
7:45	9.64	2.86	2.520	0.605		20:30	9.31	2.66	2.228	1.828	
8:00	9.61	2.78	2.436	0.631		20:45	9.11	2.60	2.116	1.850	
8:15	9.65	2.66	2.346	0.655		21:00	9.17	2.54	2.081	1.871	
8:30	10.00	2.85	2.643	0.683		21:15	9.04	2.47	1.992	1.892	
8:45	10.16	2.80	2.652	0.710		21:30	9.08	2.64	2.141	1.914	
9:00	9.75	2.87	2.567	0.737		21:45	9.05	2.61	2.103	1.936	
9:15	9.86	2.74	2.488	0.763		22:00	9.04	2.55	2.050	1.958	
9:30	9.68	2.78	2.461	0.789		22:15	8.87	2.68	2.101	1.980	
9:45	9.77	2.86	2.564	0.815		22:30	8.94	2.52	1.997	2.000	
10:00	9.78	2.80	2.515	0.842		22:45	8.89	2.62	2.063	2.022	
10:15	9.75	2.79	2.492	0.867		23:00	8.82	2.40	1.865	2.041	
10:30	9.80	2.88	2.591	0.894		23:15	8.70	2.51	1.914	2.061	
10:45	9.84	2.65	2.401	0.919		23:30	8.80	2.50	1.939	2.081	
11:00	9.62	2.75	2.408	0.945		23:45	8.71	2.65	2.029	2.103	
11:15	9.49	2.67	2.301	0.969		<b>Daily Totals:</b>		2.029		<b>2.103</b>	<b>0.00</b>
11:30	9.52	2.78	2.406	0.994		<b>Data reported every:</b>	15 Minutes				
11:45	9.50	2.80	2.415	1.019							
12:00	9.43	2.73	2.327	1.043							
12:15	9.31	2.78	2.330	1.067							

# Daily Flow Report



Site:

2  
Beaver St. at Oakley Ln. Waltham, MA 30" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/4/2014</b>						12:30	9.41	2.62	2.230	1.049	
0:00	8.59	2.39	1.797	0.019		12:45	9.33	2.65	2.228	1.072	
0:15	8.59	2.09	1.566	0.035		13:00	9.26	2.54	2.112	1.094	
0:30	8.52	2.32	1.717	0.053		13:15	9.41	2.59	2.205	1.117	
0:45	8.46	2.25	1.653	0.070		13:30	9.20	2.82	2.329	1.141	
1:00	8.39	2.24	1.626	0.087		13:45	9.33	2.65	2.232	1.164	
1:15	8.31	2.53	1.813	0.106		14:00	9.34	2.66	2.239	1.188	
1:30	8.36	2.53	1.827	0.125		14:15	9.32	2.58	2.164	1.210	
1:45	8.39	2.53	1.839	0.144		14:30	9.36	2.59	2.190	1.233	
2:00	8.33	2.11	1.518	0.160		14:45	9.33	2.72	2.288	1.257	
2:15	8.19	2.38	1.670	0.177		15:00	9.37	2.68	2.269	1.280	
2:30	8.34	2.36	1.698	0.195		15:15	9.10	2.45	1.987	1.301	
2:45	8.29	2.18	1.555	0.211		15:30	9.23	2.54	2.106	1.323	
3:00	8.13	2.41	1.672	0.229		15:45	9.28	2.59	2.167	1.346	
3:15	8.25	2.21	1.565	0.245		16:00	9.28	2.72	2.271	1.369	
3:30	8.15	2.19	1.525	0.261		16:15	9.26	2.60	2.165	1.392	
3:45	8.18	2.17	1.522	0.277		16:30	9.18	2.68	2.209	1.415	
4:00	8.20	2.15	1.515	0.292		16:45	9.10	2.75	2.240	1.438	
4:15	8.29	2.42	1.725	0.310		17:00	9.26	2.73	2.275	1.462	
4:30	8.10	2.19	1.512	0.326		17:15	9.19	2.50	2.058	1.483	
4:45	8.26	2.26	1.607	0.343		17:30	9.20	2.79	2.302	1.507	
5:00	8.29	2.10	1.499	0.359		17:45	9.26	2.70	2.245	1.531	
5:15	8.29	2.33	1.661	0.376		18:00	9.24	2.67	2.212	1.554	
5:30	8.27	2.22	1.584	0.392		18:15	9.36	2.43	2.057	1.575	
5:45	8.32	2.43	1.742	0.411		18:30	9.48	2.71	2.328	1.599	
6:00	8.48	2.37	1.746	0.429		18:45	9.33	2.82	2.373	1.624	
6:15	8.61	2.47	1.862	0.448		19:00	9.52	2.54	2.196	1.647	
6:30	8.82	2.49	1.941	0.468		19:15	9.48	2.54	2.182	1.670	
6:45	8.77	2.72	2.101	0.490		19:30	9.40	2.80	2.376	1.694	
7:00	8.94	2.69	2.132	0.512		19:45	9.50	2.81	2.426	1.720	
7:15	9.06	2.58	2.081	0.534		20:00	9.26	2.73	2.271	1.743	
7:30	9.28	2.85	2.382	0.559		20:15	9.27	2.70	2.248	1.767	
7:45	9.24	2.55	2.115	0.581		20:30	9.23	2.47	2.045	1.788	
8:00	9.45	2.59	2.220	0.604		20:45	9.42	2.58	2.195	1.811	
8:15	9.50	2.41	2.083	0.626		21:00	9.17	2.44	2.006	1.832	
8:30	9.69	2.80	2.482	0.652		21:15	9.25	2.57	2.133	1.854	
8:45	9.60	2.63	2.304	0.676		21:30	8.89	2.50	1.964	1.875	
9:00	9.73	2.72	2.429	0.701		21:45	8.93	2.68	2.123	1.897	
9:15	9.86	2.75	2.501	0.727		22:00	9.02	2.43	1.954	1.917	
9:30	9.88	2.84	2.585	0.754		22:15	9.02	2.31	1.852	1.936	
9:45	10.00	2.66	2.464	0.780		22:30	9.06	2.55	2.062	1.958	
10:00	9.71	2.64	2.349	0.804		22:45	8.89	2.30	1.808	1.977	
10:15	9.82	3.00	2.705	0.832		23:00	8.61	2.34	1.759	1.995	
10:30	9.66	2.64	2.328	0.856		23:15	8.40	2.46	1.788	2.014	
10:45	9.63	2.55	2.240	0.880		23:30	8.51	2.06	1.528	2.029	
11:00	9.65	2.64	2.330	0.904		23:45	8.29	2.38	1.699	2.047	
11:15	9.42	2.69	2.298	0.928		<b>Daily Totals:</b>		1.699		<b>2.047</b>	<b>0.00</b>
11:30	9.50	2.74	2.369	0.953		<b>Data reported every:</b>	15 Minutes				
11:45	9.55	2.80	2.429	0.978							
12:00	9.52	2.61	2.263	1.002							
12:15	9.48	2.66	2.285	1.025							

# Daily Flow Report



Site:

2  
Beaver St. at Oakley Ln.

Waltham, MA

30" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/5/2014</b>						12:30	8.97	2.12	1.690	1.007	
0:00	8.33	2.35	1.686	0.018		12:45	8.98	2.43	1.941	1.027	
0:15	8.32	2.31	1.657	0.035		13:00	8.96	2.17	1.730	1.045	
0:30	8.23	2.13	1.506	0.051		13:15	9.00	2.66	2.130	1.068	
0:45	8.10	2.29	1.583	0.067		13:30	8.73	2.47	1.895	1.087	
1:00	8.33	2.38	1.708	0.085		13:45	8.99	2.49	1.988	1.108	
1:15	8.05	2.14	1.468	0.100		14:00	8.72	2.35	1.803	1.127	
1:30	8.02	2.19	1.493	0.116		14:15	8.77	2.57	1.985	1.147	
1:45	8.03	2.28	1.559	0.132		14:30	8.52	2.52	1.871	1.167	
2:00	7.94	2.28	1.531	0.148		14:45	8.64	2.47	1.869	1.186	
2:15	7.91	2.31	1.546	0.164		15:00	8.61	2.47	1.861	1.206	
2:30	7.99	2.25	1.527	0.180		15:15	8.65	2.45	1.854	1.225	
2:45	7.99	2.13	1.442	0.195		15:30	8.77	2.60	2.010	1.246	
3:00	7.91	2.17	1.450	0.210		15:45	8.72	2.60	1.992	1.267	
3:15	7.92	2.12	1.419	0.225		16:00	8.72	2.51	1.923	1.287	
3:30	7.94	2.11	1.416	0.239		16:15	8.79	2.50	1.936	1.307	
3:45	7.97	2.15	1.453	0.255		16:30	8.68	2.37	1.806	1.326	
4:00	7.90	2.26	1.510	0.270		16:45	8.75	2.42	1.865	1.345	
4:15	8.23	2.43	1.717	0.288		17:00	8.90	2.32	1.831	1.364	
4:30	8.05	2.43	1.660	0.306		17:15	8.97	2.56	2.043	1.386	
4:45	8.10	2.40	1.655	0.323		17:30	9.07	2.50	2.018	1.407	
5:00	8.43	2.30	1.680	0.340		17:45	9.03	2.59	2.084	1.428	
5:15	8.50	2.49	1.839	0.359		18:00	9.20	2.70	2.227	1.452	
5:30	8.70	2.41	1.837	0.379		18:15	9.15	2.45	2.009	1.472	
5:45	8.75	2.59	1.995	0.399		18:30	9.24	2.61	2.169	1.495	
6:00	9.23	2.46	2.040	0.421		18:45	9.20	2.50	2.063	1.517	
6:15	9.56	2.61	2.272	0.444		19:00	9.28	2.53	2.113	1.539	
6:30	9.66	2.69	2.376	0.469		19:15	9.27	2.56	2.138	1.561	
6:45	9.69	2.79	2.473	0.495		19:30	9.28	2.60	2.171	1.583	
7:00	9.83	2.81	2.544	0.521		19:45	9.25	2.48	2.064	1.605	
7:15	9.80	2.62	2.360	0.546		20:00	9.16	2.68	2.200	1.628	
7:30	9.71	2.67	2.371	0.571		20:15	9.28	2.69	2.243	1.651	
7:45	9.63	2.78	2.441	0.596		20:30	9.14	2.51	2.055	1.673	
8:00	9.71	2.56	2.273	0.620		20:45	8.97	2.79	2.221	1.696	
8:15	9.44	2.71	2.319	0.644		21:00	9.10	2.77	2.248	1.719	
8:30	9.39	2.78	2.357	0.668		21:15	9.04	2.45	1.973	1.740	
8:45	9.47	2.66	2.280	0.692		21:30	8.96	2.55	2.026	1.761	
9:00	9.56	2.61	2.275	0.716		21:45	8.94	2.43	1.932	1.781	
9:15	9.37	2.29	1.939	0.736		22:00	8.82	2.57	2.004	1.802	
9:30	9.30	2.26	1.897	0.756		22:15	8.84	2.47	1.927	1.822	
9:45	9.23	2.44	2.019	0.777		22:30	8.59	2.34	1.758	1.840	
10:00	9.29	2.58	2.154	0.799		22:45	8.76	2.38	1.838	1.859	
10:15	9.22	2.66	2.199	0.822		23:00	8.61	2.27	1.705	1.877	
10:30	9.26	2.48	2.069	0.844		23:15	8.57	2.40	1.793	1.896	
10:45	9.10	2.59	2.108	0.866		23:30	8.59	2.49	1.864	1.915	
11:00	9.02	2.56	2.055	0.887		23:45	8.50	2.67	1.975	1.936	
11:15	8.89	2.50	1.967	0.908		<b>Daily Totals:</b>		1.975		<b>1.936</b>	<b>0.00</b>
11:30	9.19	2.44	2.012	0.929		<b>Data reported every:</b>	15 Minutes				
11:45	8.95	2.39	1.895	0.948							
12:00	9.08	2.46	1.995	0.969							
12:15	9.06	2.44	1.969	0.990							

# Daily Flow Report



Site:

2  
 Beaver St. at Oakley Ln. Waltham, MA 30" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/6/2014</b>						12:30	8.68	2.70	2.055	0.969	
0:00	8.25	2.11	1.500	0.016		12:45	8.85	2.69	2.105	0.991	
0:15	8.23	2.20	1.552	0.032		13:00	8.64	2.60	1.964	1.011	
0:30	8.02	2.14	1.458	0.047		13:15	8.67	2.53	1.926	1.031	
0:45	8.04	2.15	1.472	0.062		13:30	8.63	2.49	1.877	1.051	
1:00	8.07	2.28	1.565	0.079		13:45	8.67	2.42	1.841	1.070	
1:15	7.87	2.34	1.552	0.095		14:00	8.83	2.41	1.882	1.089	
1:30	7.97	2.14	1.447	0.110		14:15	8.65	2.50	1.896	1.109	
1:45	7.87	2.26	1.501	0.125		14:30	8.63	2.42	1.827	1.128	
2:00	7.91	2.29	1.531	0.141		14:45	8.67	2.45	1.862	1.148	
2:15	8.02	2.17	1.475	0.157		15:00	8.55	2.40	1.791	1.166	
2:30	7.88	2.24	1.487	0.172		15:15	8.48	2.38	1.756	1.185	
2:45	7.98	1.92	1.300	0.186		15:30	8.61	2.59	1.947	1.205	
3:00	7.83	2.14	1.411	0.201		15:45	8.70	2.44	1.859	1.224	
3:15	7.83	1.97	1.300	0.214		16:00	8.74	2.47	1.900	1.244	
3:30	7.89	2.34	1.559	0.230		16:15	8.75	2.25	1.730	1.262	
3:45	7.81	2.03	1.335	0.244		16:30	8.66	2.40	1.823	1.281	
4:00	7.85	2.31	1.526	0.260		16:45	8.79	2.37	1.835	1.300	
4:15	7.94	2.14	1.438	0.275		17:00	8.65	2.44	1.848	1.319	
4:30	7.99	2.26	1.535	0.291		17:15	8.79	2.56	1.980	1.340	
4:45	7.98	2.36	1.599	0.308		17:30	9.04	2.53	2.038	1.361	
5:00	8.37	2.16	1.561	0.324		17:45	8.99	2.44	1.947	1.382	
5:15	8.40	2.38	1.730	0.342		18:00	8.89	2.56	2.015	1.403	
5:30	8.61	2.35	1.767	0.360		18:15	9.16	2.65	2.174	1.425	
5:45	8.95	2.52	2.006	0.381		18:30	9.11	2.61	2.125	1.447	
6:00	9.16	2.56	2.098	0.403		18:45	9.06	2.37	1.911	1.467	
6:15	9.53	2.81	2.435	0.429		19:00	9.10	2.59	2.104	1.489	
6:30	9.63	2.71	2.379	0.453		19:15	9.09	2.54	2.058	1.511	
6:45	9.77	2.86	2.568	0.480		19:30	9.15	2.41	1.972	1.531	
7:00	9.71	2.75	2.446	0.506		19:45	9.18	2.67	2.200	1.554	
7:15	9.79	2.89	2.599	0.533		20:00	9.05	2.53	2.039	1.575	
7:30	9.45	2.77	2.371	0.557		20:15	9.17	2.51	2.061	1.597	
7:45	9.45	2.78	2.382	0.582		20:30	9.07	2.65	2.144	1.619	
8:00	9.37	2.56	2.169	0.605		20:45	9.25	2.70	2.246	1.643	
8:15	9.38	2.51	2.125	0.627		21:00	9.05	2.55	2.055	1.664	
8:30	9.35	2.73	2.304	0.651		21:15	8.98	2.46	1.961	1.684	
8:45	9.29	2.45	2.052	0.672		21:30	9.04	2.66	2.145	1.707	
9:00	9.01	2.58	2.071	0.694		21:45	8.81	2.41	1.871	1.726	
9:15	8.88	2.38	1.870	0.713		22:00	8.87	2.44	1.912	1.746	
9:30	8.99	2.58	2.058	0.735		22:15	8.70	2.38	1.816	1.765	
9:45	8.98	2.46	1.962	0.755		22:30	8.67	2.45	1.864	1.784	
10:00	9.07	2.61	2.108	0.777		22:45	8.58	2.26	1.691	1.802	
10:15	8.92	2.34	1.846	0.796		23:00	8.38	2.11	1.531	1.818	
10:30	8.84	2.36	1.839	0.816		23:15	8.30	1.87	1.339	1.832	
10:45	8.84	2.21	1.728	0.834		23:30	8.31	2.36	1.690	1.850	
11:00	8.71	2.41	1.843	0.853		23:45	8.06	2.15	1.478	1.865	
11:15	8.75	2.24	1.725	0.871		<b>Daily Totals:</b>		1.478		1.865	0.00
11:30	8.76	2.49	1.919	0.891		<b>Data reported every:</b>	15 Minutes				
11:45	8.70	2.40	1.833	0.910							
12:00	8.68	2.51	1.906	0.930							
12:15	8.67	2.23	1.699	0.947							

# Daily Flow Report



Site:

2

Beaver St. at Oakley Ln.

Waltham, MA

30" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/7/2014</b>						12:30	8.55	2.36	1.758	0.921	
0:00	8.10	2.31	1.596	0.017		12:45	8.67	2.49	1.890	0.941	
0:15	8.04	2.13	1.456	0.032		13:00	8.59	2.61	1.957	0.961	
0:30	7.87	2.29	1.521	0.048		13:15	8.56	2.39	1.786	0.980	
0:45	7.92	2.03	1.361	0.062		13:30	8.56	2.36	1.760	0.998	
1:00	7.78	1.99	1.295	0.075		13:45	8.45	2.36	1.734	1.016	
1:15	7.87	2.29	1.522	0.091		14:00	8.47	2.37	1.741	1.034	
1:30	7.70	2.13	1.371	0.105		14:15	8.36	2.36	1.706	1.052	
1:45	7.76	2.04	1.331	0.119		14:30	8.41	2.38	1.732	1.070	
2:00	7.70	2.19	1.408	0.134		14:45	8.50	2.42	1.789	1.088	
2:15	7.79	2.08	1.363	0.148		15:00	8.51	2.42	1.789	1.107	
2:30	7.69	2.30	1.481	0.164		15:15	8.46	2.09	1.537	1.123	
2:45	7.66	2.28	1.455	0.179		15:30	8.48	2.43	1.792	1.142	
3:00	7.73	2.25	1.455	0.194		15:45	8.36	2.58	1.866	1.161	
3:15	7.74	2.03	1.316	0.208		16:00	8.47	2.36	1.737	1.179	
3:30	7.67	2.03	1.295	0.221		16:15	8.46	2.33	1.713	1.197	
3:45	7.67	2.08	1.332	0.235		16:30	8.57	2.53	1.889	1.217	
4:00	7.65	2.29	1.460	0.250		16:45	8.79	2.35	1.821	1.236	
4:15	7.79	2.18	1.423	0.265		17:00	8.64	2.54	1.919	1.256	
4:30	7.76	2.20	1.430	0.280		17:15	8.62	2.51	1.893	1.276	
4:45	7.78	2.00	1.310	0.294		17:30	8.75	2.55	1.962	1.296	
5:00	8.15	2.24	1.563	0.310		17:45	8.77	2.50	1.928	1.316	
5:15	8.21	2.07	1.454	0.325		18:00	8.89	2.44	1.918	1.336	
5:30	8.50	2.45	1.808	0.344		18:15	9.04	2.57	2.067	1.358	
5:45	8.85	2.35	1.835	0.363		18:30	8.88	2.41	1.894	1.377	
6:00	9.20	2.60	2.149	0.385		18:45	8.92	2.43	1.919	1.397	
6:15	9.36	2.62	2.212	0.408		19:00	8.88	2.53	1.991	1.418	
6:30	9.61	2.60	2.273	0.432		19:15	9.09	2.55	2.067	1.440	
6:45	9.58	2.68	2.337	0.456		19:30	9.13	2.56	2.093	1.461	
7:00	9.52	2.70	2.336	0.481		19:45	9.01	2.59	2.073	1.483	
7:15	9.59	2.71	2.369	0.505		20:00	9.01	2.50	2.003	1.504	
7:30	9.64	2.60	2.289	0.529		20:15	8.98	2.46	1.960	1.524	
7:45	9.40	2.46	2.093	0.551		20:30	9.02	2.58	2.074	1.546	
8:00	9.31	2.52	2.116	0.573		20:45	9.04	2.44	1.968	1.566	
8:15	9.03	2.43	1.957	0.593		21:00	9.17	2.67	2.196	1.589	
8:30	9.04	2.38	1.920	0.613		21:15	9.10	2.56	2.078	1.611	
8:45	8.86	2.13	1.670	0.631		21:30	8.98	2.41	1.922	1.631	
9:00	9.23	2.40	1.993	0.652		21:45	8.90	2.53	1.994	1.652	
9:15	8.86	2.36	1.845	0.671		22:00	8.75	2.47	1.904	1.671	
9:30	8.77	2.29	1.770	0.689		22:15	8.58	2.26	1.695	1.689	
9:45	8.67	2.36	1.791	0.708		22:30	8.64	2.49	1.881	1.709	
10:00	8.71	2.54	1.943	0.728		22:45	8.56	2.51	1.874	1.728	
10:15	8.87	2.36	1.848	0.747		23:00	8.30	2.32	1.656	1.746	
10:30	8.69	2.52	1.918	0.767		23:15	8.19	2.25	1.575	1.762	
10:45	8.65	2.23	1.689	0.785		23:30	8.18	2.23	1.567	1.778	
11:00	8.61	2.42	1.818	0.804		23:45	8.07	2.05	1.408	1.793	
11:15	8.69	2.38	1.814	0.823		<b>Daily Totals:</b>		1.408		<b>1.793</b>	<b>0.00</b>
11:30	8.72	2.52	1.927	0.843		<b>Data reported every:</b>	15 Minutes				
11:45	8.75	2.51	1.931	0.863							
12:00	8.64	2.47	1.864	0.882							
12:15	8.53	2.60	1.931	0.903							



# Daily Flow Report



Site:

2

Beaver St. at Oakley Ln.

Waltham, MA

30" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/8/2014</b>						12:30	8.39	2.35	1.702	0.913	
0:00	8.12	2.03	1.404	0.015		12:45	8.50	2.51	1.853	0.932	
0:15	8.09	2.00	1.380	0.029		13:00	8.44	2.41	1.764	0.950	
0:30	7.82	2.25	1.483	0.044		13:15	8.49	2.32	1.708	0.968	
0:45	7.78	2.16	1.409	0.059		13:30	8.42	2.28	1.665	0.985	
1:00	7.70	1.98	1.271	0.072		13:45	8.48	2.36	1.737	1.004	
1:15	7.77	2.04	1.326	0.086		14:00	8.40	2.46	1.785	1.022	
1:30	7.67	2.27	1.450	0.101		14:15	8.33	2.31	1.659	1.039	
1:45	7.61	2.01	1.273	0.115		14:30	8.39	2.20	1.600	1.056	
2:00	7.62	2.17	1.374	0.129		14:45	8.29	2.26	1.610	1.073	
2:15	7.57	2.20	1.384	0.143		15:00	8.19	2.28	1.599	1.090	
2:30	7.75	2.20	1.426	0.158		15:15	8.17	2.35	1.643	1.107	
2:45	7.47	2.18	1.347	0.172		15:30	8.28	2.33	1.665	1.124	
3:00	7.54	1.99	1.242	0.185		15:45	8.26	2.46	1.744	1.142	
3:15	7.54	2.27	1.415	0.200		16:00	8.36	2.30	1.664	1.159	
3:30	7.57	2.25	1.413	0.215		16:15	8.41	2.38	1.736	1.178	
3:45	7.56	2.25	1.409	0.229		16:30	8.39	2.36	1.710	1.195	
4:00	7.53	2.18	1.358	0.243		16:45	8.39	2.44	1.768	1.214	
4:15	7.65	2.11	1.343	0.257		17:00	8.68	2.31	1.761	1.232	
4:30	7.71	2.04	1.314	0.271		17:15	8.59	2.32	1.737	1.250	
4:45	7.81	2.24	1.469	0.286		17:30	8.77	2.47	1.906	1.270	
5:00	7.88	2.23	1.480	0.302		17:45	8.69	2.57	1.961	1.290	
5:15	8.09	2.27	1.568	0.318		18:00	8.72	2.60	1.990	1.311	
5:30	8.43	2.40	1.750	0.336		18:15	8.82	2.33	1.814	1.330	
5:45	8.66	2.32	1.758	0.355		18:30	8.83	2.43	1.892	1.350	
6:00	8.98	2.35	1.876	0.374		18:45	9.01	2.72	2.179	1.373	
6:15	9.42	2.59	2.210	0.397		19:00	8.85	2.34	1.825	1.392	
6:30	9.41	2.61	2.218	0.420		19:15	8.88	2.67	2.098	1.413	
6:45	9.47	2.54	2.182	0.443		19:30	9.00	2.41	1.931	1.433	
7:00	9.65	2.67	2.357	0.468		19:45	8.92	2.64	2.082	1.455	
7:15	9.76	2.81	2.514	0.494		20:00	8.99	2.39	1.907	1.475	
7:30	9.50	2.86	2.468	0.519		20:15	9.16	2.59	2.123	1.497	
7:45	9.38	2.74	2.320	0.544		20:30	8.89	2.43	1.908	1.517	
8:00	9.27	2.20	1.834	0.563		20:45	8.73	2.45	1.883	1.537	
8:15	9.32	2.54	2.135	0.585		21:00	9.03	2.73	2.198	1.560	
8:30	9.10	2.60	2.115	0.607		21:15	8.84	2.34	1.824	1.579	
8:45	9.03	2.26	1.815	0.626		21:30	8.91	2.12	1.672	1.596	
9:00	9.03	2.50	2.013	0.647		21:45	8.69	2.66	2.029	1.617	
9:15	8.83	2.51	1.953	0.667		22:00	8.56	2.29	1.707	1.635	
9:30	8.92	2.44	1.933	0.687		22:15	8.52	2.50	1.854	1.654	
9:45	8.70	2.32	1.773	0.706		22:30	8.57	2.36	1.765	1.673	
10:00	8.91	2.50	1.977	0.726		22:45	8.48	2.34	1.727	1.691	
10:15	8.62	2.27	1.707	0.744		23:00	8.37	2.33	1.686	1.708	
10:30	8.71	2.13	1.631	0.761		23:15	8.26	2.28	1.618	1.725	
10:45	8.87	2.43	1.909	0.781		23:30	8.04	2.02	1.383	1.739	
11:00	8.69	2.49	1.897	0.801		23:45	8.06	2.34	1.605	1.756	
11:15	8.50	2.40	1.774	0.819		<b>Daily Totals:</b>		1.605		<b>1.756</b>	<b>0.00</b>
11:30	8.53	2.54	1.889	0.839		<b>Data reported every:</b>	15 Minutes				
11:45	8.51	2.34	1.731	0.857							
12:00	8.39	2.50	1.817	0.876							
12:15	8.36	2.52	1.816	0.895							

# Daily Flow Report



Site:

2  
Beaver St. at Oakley Ln. Waltham, MA 30" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/9/2014</b>						12:30	8.55	2.45	1.828	0.898	
0:00	7.91	2.07	1.385	0.014		12:45	8.59	2.33	1.745	0.916	
0:15	7.88	2.15	1.429	0.029		13:00	8.53	2.57	1.907	0.936	
0:30	7.76	2.03	1.318	0.043		13:15	8.45	2.26	1.659	0.953	
0:45	7.68	2.11	1.353	0.057		13:30	8.45	2.32	1.702	0.971	
1:00	7.64	2.13	1.354	0.071		13:45	8.48	2.37	1.747	0.989	0.01
1:15	7.64	2.14	1.364	0.085		14:00	8.59	2.40	1.802	1.008	
1:30	7.60	2.14	1.350	0.100		14:15	8.33	2.12	1.526	1.024	
1:45	7.57	2.17	1.365	0.114		14:30	8.37	2.46	1.778	1.043	
2:00	7.48	2.23	1.379	0.128		14:45	8.37	2.20	1.588	1.059	
2:15	7.49	2.23	1.385	0.143		15:00	8.33	2.20	1.585	1.076	
2:30	7.48	2.21	1.368	0.157		15:15	8.41	2.20	1.600	1.092	
2:45	7.51	2.07	1.285	0.170		15:30	8.32	2.43	1.741	1.110	
3:00	7.46	2.04	1.256	0.183		15:45	8.38	2.35	1.702	1.128	
3:15	7.51	2.31	1.438	0.198		16:00	8.39	2.25	1.636	1.145	
3:30	7.53	2.11	1.312	0.212		16:15	8.42	2.32	1.692	1.163	
3:45	7.63	2.15	1.369	0.226		16:30	8.59	2.57	1.928	1.183	
4:00	7.57	2.16	1.356	0.240		16:45	8.44	2.24	1.640	1.200	
4:15	7.65	2.14	1.365	0.255		17:00	8.43	2.43	1.778	1.218	
4:30	7.61	2.12	1.342	0.268		17:15	8.66	2.45	1.859	1.238	
4:45	7.68	2.14	1.368	0.283		17:30	8.72	2.33	1.781	1.256	
5:00	7.85	2.15	1.421	0.298		17:45	8.59	2.50	1.878	1.276	
5:15	7.95	2.31	1.558	0.314		18:00	8.96	2.58	2.051	1.297	
5:30	8.26	2.29	1.625	0.331		18:15	8.89	2.39	1.881	1.317	
5:45	8.53	2.39	1.778	0.349		18:30	8.77	2.57	1.986	1.338	
6:00	8.73	2.43	1.869	0.369		18:45	8.72	2.51	1.922	1.358	
6:15	9.08	2.57	2.079	0.390		19:00	8.66	2.55	1.936	1.378	
6:30	9.24	2.66	2.206	0.413		19:15	8.81	2.56	1.987	1.399	
6:45	9.29	2.53	2.118	0.435		19:30	8.83	2.56	1.998	1.419	
7:00	9.41	2.61	2.223	0.459		19:45	8.91	2.45	1.934	1.439	
7:15	9.25	2.64	2.199	0.481		20:00	8.78	2.40	1.854	1.459	
7:30	9.26	2.68	2.231	0.505		20:15	8.73	2.37	1.816	1.478	
7:45	9.27	2.65	2.213	0.528		20:30	8.65	2.54	1.925	1.498	
8:00	9.23	2.58	2.134	0.550		20:45	8.59	2.46	1.846	1.517	
8:15	9.13	2.54	2.075	0.572		21:00	8.65	2.54	1.921	1.537	
8:30	8.91	2.53	2.000	0.592		21:15	8.63	2.45	1.850	1.556	
8:45	8.81	2.48	1.930	0.613		21:30	8.61	2.39	1.801	1.575	
9:00	9.09	2.43	1.975	0.633		21:45	8.63	2.46	1.856	1.594	
9:15	8.71	2.42	1.853	0.652		22:00	8.51	2.48	1.834	1.613	
9:30	8.71	2.37	1.810	0.671		22:15	8.48	2.28	1.682	1.631	
9:45	8.61	2.44	1.834	0.690		22:30	8.34	2.34	1.685	1.649	
10:00	8.69	2.43	1.852	0.710		22:45	8.48	2.11	1.554	1.665	
10:15	8.70	2.37	1.805	0.728		23:00	8.30	2.44	1.743	1.683	
10:30	8.61	2.45	1.846	0.748		23:15	8.24	2.26	1.596	1.700	
10:45	8.59	2.28	1.711	0.765		23:30	8.06	2.20	1.511	1.715	
11:00	8.65	2.47	1.870	0.785		23:45	7.97	2.35	1.583	1.732	
11:15	8.76	2.45	1.888	0.805		<b>Daily Totals:</b>		1.583		<b>1.732</b>	<b>0.01</b>
11:30	8.54	2.43	1.809	0.823		<b>Data reported every:</b>	15 Minutes				
11:45	8.55	2.35	1.749	0.842							
12:00	8.51	2.49	1.845	0.861							
12:15	8.49	2.36	1.745	0.879							

# Daily Flow Report

Site:

2  
Beaver St. at Oakley Ln.

Waltham, MA

30" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/10/2014</b>						12:30	9.12	2.62	2.137	0.899	
0:00	7.95	2.22	1.493	0.016		12:45	9.08	2.54	2.061	0.921	
0:15	7.88	2.04	1.353	0.030		13:00	8.98	2.58	2.057	0.942	
0:30	7.84	2.18	1.439	0.045		13:15	8.95	2.61	2.076	0.964	
0:45	7.82	2.20	1.445	0.060		13:30	8.86	2.80	2.188	0.986	
1:00	7.76	2.11	1.375	0.074		13:45	8.82	2.41	1.874	1.006	
1:15	7.78	2.00	1.306	0.088		14:00	8.87	2.42	1.893	1.026	
1:30	7.67	2.01	1.289	0.101		14:15	8.71	2.60	1.991	1.046	
1:45	7.61	2.03	1.286	0.114		14:30	8.82	2.50	1.948	1.067	
2:00	7.60	2.02	1.275	0.128		14:45	8.96	2.65	2.103	1.089	
2:15	7.54	2.25	1.406	0.142		15:00	8.77	2.38	1.838	1.108	
2:30	7.57	2.24	1.409	0.157		15:15	8.83	2.58	2.012	1.129	
2:45	7.56	2.02	1.263	0.170		15:30	8.73	2.43	1.865	1.148	
3:00	7.57	1.82	1.145	0.182		15:45	8.71	2.24	1.715	1.166	
3:15	7.49	1.90	1.177	0.194		16:00	8.79	2.28	1.767	1.184	
3:30	7.51	2.18	1.358	0.209		16:15	8.79	2.30	1.777	1.203	
3:45	7.68	2.07	1.328	0.222		16:30	8.74	2.22	1.708	1.221	
4:00	7.55	2.07	1.294	0.236		16:45	8.62	2.46	1.854	1.240	
4:15	7.55	2.21	1.385	0.250		17:00	8.74	2.27	1.743	1.258	
4:30	7.59	2.12	1.338	0.264		17:15	8.80	2.60	2.019	1.279	
4:45	7.60	2.12	1.340	0.278		17:30	8.75	2.26	1.739	1.297	
5:00	7.69	2.16	1.384	0.293		17:45	8.76	2.32	1.785	1.316	0.25
5:15	7.67	2.11	1.352	0.307		18:00	8.78	2.28	1.760	1.334	0.04
5:30	7.76	2.27	1.477	0.322		18:15	8.93	2.54	2.015	1.355	
5:45	7.79	2.25	1.474	0.337		18:30	9.60	2.55	2.228	1.379	
6:00	7.95	2.05	1.382	0.352		18:45	9.62	2.57	2.259	1.402	
6:15	8.08	2.24	1.547	0.368		19:00	9.74	2.63	2.350	1.427	
6:30	8.34	2.24	1.614	0.385	0.03	19:15	9.39	2.61	2.214	1.450	
6:45	8.31	2.31	1.656	0.402	0.01	19:30	9.36	2.52	2.129	1.472	
7:00	8.52	2.50	1.855	0.421		19:45	9.19	2.65	2.181	1.494	
7:15	8.67	2.34	1.774	0.440		20:00	9.38	2.45	2.078	1.516	0.01
7:30	9.06	2.55	2.058	0.461	0.01	20:15	9.11	2.67	2.175	1.539	
7:45	8.95	2.54	2.021	0.482		20:30	9.18	2.59	2.126	1.561	
8:00	8.84	2.51	1.961	0.503		20:45	9.01	2.48	1.989	1.582	
8:15	9.11	2.67	2.173	0.525		21:00	8.90	2.55	2.010	1.603	
8:30	9.16	2.50	2.051	0.547		21:15	8.93	2.54	2.007	1.623	
8:45	9.25	2.69	2.232	0.570		21:30	8.77	2.66	2.053	1.645	
9:00	9.04	2.63	2.118	0.592		21:45	8.82	2.37	1.847	1.664	
9:15	9.22	2.56	2.120	0.614		22:00	8.83	2.67	2.077	1.686	
9:30	9.35	2.49	2.105	0.636		22:15	8.81	2.33	1.812	1.705	
9:45	9.28	2.52	2.102	0.658		22:30	8.59	2.44	1.828	1.724	
10:00	9.08	2.34	1.896	0.678		22:45	8.73	2.36	1.812	1.743	
10:15	9.29	2.60	2.175	0.700		23:00	8.72	2.53	1.936	1.763	
10:30	9.17	2.60	2.135	0.723		23:15	8.53	2.19	1.627	1.780	
10:45	9.23	2.58	2.135	0.745		23:30	8.40	2.06	1.493	1.795	
11:00	9.16	2.71	2.224	0.768		23:45	8.39	2.23	1.620	1.812	
11:15	9.06	2.79	2.253	0.791		<b>Daily Totals:</b>		1.620		<b>1.812</b>	<b>0.35</b>
11:30	8.96	2.45	1.951	0.812		<b>Data reported every:</b>	15 Minutes				
11:45	9.37	2.80	2.370	0.836							
12:00	9.17	2.32	1.902	0.856							
12:15	9.02	2.47	1.983	0.877							

# Daily Flow Report

Site:

2  
Beaver St. at Oakley Ln.

Waltham, MA

30" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/11/2014</b>						12:30	9.06	2.51	2.029	0.938	
0:00	8.28	2.22	1.585	0.017		12:45	9.23	2.54	2.107	0.959	
0:15	8.13	2.46	1.712	0.034		13:00	9.02	2.44	1.962	0.980	
0:30	8.06	2.25	1.543	0.050		13:15	9.06	2.47	1.997	1.001	
0:45	8.02	2.28	1.553	0.067		13:30	8.90	2.52	1.987	1.021	
1:00	8.08	2.11	1.450	0.082		13:45	8.79	2.59	2.007	1.042	
1:15	7.91	2.13	1.421	0.096		14:00	8.69	2.49	1.896	1.062	
1:30	7.81	2.22	1.460	0.112		14:15	8.70	2.48	1.894	1.082	
1:45	7.83	2.12	1.397	0.126		14:30	8.72	2.47	1.896	1.102	
2:00	7.85	2.13	1.408	0.141		14:45	9.00	2.47	1.976	1.122	
2:15	7.78	2.10	1.374	0.155		15:00	8.75	2.49	1.912	1.142	
2:30	7.88	2.17	1.444	0.170		15:15	8.68	2.45	1.865	1.162	
2:45	7.90	2.30	1.535	0.186		15:30	8.76	2.47	1.903	1.181	
3:00	7.78	2.17	1.419	0.201		15:45	8.71	2.50	1.916	1.201	
3:15	7.70	2.05	1.323	0.215		16:00	8.63	2.43	1.835	1.220	
3:30	7.67	2.10	1.344	0.229		16:15	8.69	2.35	1.788	1.239	
3:45	7.85	2.09	1.382	0.243		16:30	8.77	2.40	1.853	1.258	
4:00	7.82	2.22	1.464	0.258		16:45	8.78	2.27	1.754	1.277	
4:15	7.68	2.24	1.439	0.273		17:00	8.68	2.42	1.838	1.296	
4:30	7.71	2.12	1.368	0.288		17:15	8.70	2.14	1.630	1.313	
4:45	7.69	2.09	1.340	0.302		17:30	8.64	2.50	1.888	1.332	
5:00	7.76	2.20	1.429	0.317		17:45	8.74	2.39	1.839	1.352	
5:15	7.93	2.19	1.467	0.332		18:00	8.71	2.35	1.798	1.370	
5:30	7.85	2.15	1.421	0.347		18:15	8.80	2.56	1.985	1.391	
5:45	7.89	2.27	1.511	0.362		18:30	8.90	2.38	1.879	1.411	
6:00	8.10	2.05	1.418	0.377		18:45	8.90	2.44	1.924	1.431	
6:15	8.04	2.21	1.509	0.393		19:00	8.93	2.69	2.133	1.453	
6:30	8.22	2.45	1.727	0.411		19:15	9.03	2.64	2.125	1.475	
6:45	8.32	2.26	1.624	0.428		19:30	9.06	2.61	2.106	1.497	
7:00	8.51	2.40	1.778	0.446		19:45	9.09	2.42	1.961	1.517	
7:15	8.61	2.22	1.670	0.464		20:00	9.13	2.39	1.951	1.538	
7:30	8.81	2.33	1.815	0.483		20:15	9.22	2.56	2.118	1.560	
7:45	8.98	2.23	1.781	0.501		20:30	9.03	2.55	2.049	1.581	
8:00	9.15	2.60	2.127	0.523		20:45	9.23	2.69	2.229	1.604	
8:15	9.20	2.80	2.314	0.547		21:00	9.12	2.63	2.143	1.627	
8:30	9.23	2.61	2.161	0.570		21:15	9.04	2.45	1.971	1.647	
8:45	9.53	2.67	2.314	0.594		21:30	9.02	2.62	2.105	1.669	
9:00	9.58	2.62	2.284	0.618		21:45	8.81	2.15	1.671	1.686	
9:15	9.40	2.71	2.298	0.642		22:00	8.69	2.32	1.772	1.705	
9:30	9.70	2.69	2.384	0.667		22:15	8.64	2.23	1.688	1.722	
9:45	9.42	2.55	2.175	0.689		22:30	8.50	2.48	1.833	1.742	
10:00	9.56	2.73	2.374	0.714		22:45	8.44	2.43	1.776	1.760	
10:15	9.49	2.65	2.279	0.738		23:00	8.33	2.09	1.502	1.776	
10:30	9.53	2.77	2.397	0.763		23:15	8.30	2.22	1.586	1.792	
10:45	9.51	2.52	2.177	0.785		23:30	8.09	2.11	1.457	1.807	
11:00	9.38	2.68	2.269	0.809		23:45	8.04	2.21	1.512	1.823	
11:15	9.29	2.52	2.103	0.831		<b>Daily Totals:</b>		1.512		<b>1.823</b>	<b>0.00</b>
11:30	9.42	2.72	2.319	0.855		<b>Data reported every:</b>	15 Minutes				
11:45	9.13	2.65	2.162	0.878							
12:00	9.03	2.28	1.834	0.897							
12:15	9.00	2.36	1.891	0.916							

# Daily Flow Report

Site:

2  
Beaver St. at Oakley Ln. Waltham, MA 30" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/12/2014</b>						12:30	8.53	2.23	1.656	0.888	
0:00	7.89	2.22	1.482	0.015		12:45	8.57	2.50	1.865	0.907	
0:15	7.86	2.10	1.388	0.030		13:00	8.41	2.47	1.795	0.926	
0:30	7.95	2.18	1.468	0.045		13:15	8.51	2.30	1.707	0.944	
0:45	7.72	2.12	1.369	0.059		13:30	8.62	2.33	1.757	0.962	
1:00	7.78	2.00	1.306	0.073		13:45	8.46	2.36	1.736	0.980	
1:15	7.70	2.24	1.443	0.088		14:00	8.40	2.40	1.742	0.998	
1:30	7.70	2.07	1.334	0.102		14:15	8.62	2.43	1.828	1.017	
1:45	7.66	1.96	1.253	0.115		14:30	8.43	2.44	1.782	1.036	
2:00	7.55	1.90	1.192	0.127		14:45	8.32	2.35	1.684	1.053	
2:15	7.61	2.04	1.294	0.141		15:00	8.50	2.44	1.806	1.072	
2:30	7.54	1.99	1.241	0.154		15:15	8.38	2.24	1.621	1.089	
2:45	7.55	1.98	1.241	0.167		15:30	8.46	2.30	1.689	1.107	
3:00	7.48	2.03	1.252	0.180		15:45	8.36	2.36	1.704	1.124	
3:15	7.61	1.99	1.260	0.193		16:00	8.67	2.42	1.839	1.144	
3:30	7.55	2.10	1.314	0.207		16:15	8.41	2.40	1.747	1.162	
3:45	7.67	2.18	1.395	0.221		16:30	8.42	2.35	1.715	1.180	
4:00	7.56	2.10	1.318	0.235		16:45	8.46	2.36	1.733	1.198	
4:15	7.59	2.14	1.351	0.249		17:00	8.62	2.26	1.702	1.215	
4:30	7.61	2.11	1.335	0.263		17:15	8.64	2.37	1.788	1.234	
4:45	7.81	2.13	1.398	0.277		17:30	8.69	2.31	1.761	1.252	
5:00	7.90	2.23	1.485	0.293		17:45	8.74	2.48	1.902	1.272	
5:15	8.06	2.21	1.519	0.309		18:00	8.94	2.26	1.795	1.291	
5:30	8.48	2.17	1.598	0.325		18:15	8.74	2.26	1.740	1.309	
5:45	8.71	2.13	1.631	0.342		18:30	8.90	2.29	1.801	1.328	
6:00	8.91	2.38	1.878	0.362		18:45	8.86	2.39	1.874	1.347	
6:15	9.14	2.62	2.141	0.384		19:00	8.85	2.44	1.909	1.367	
6:30	9.50	2.63	2.272	0.408		19:15	8.94	2.46	1.947	1.387	
6:45	9.57	2.69	2.342	0.432		19:30	8.96	2.42	1.928	1.408	
7:00	9.57	2.67	2.321	0.456		19:45	8.91	2.50	1.969	1.428	
7:15	9.56	2.64	2.301	0.480		20:00	8.98	2.28	1.818	1.447	
7:30	9.52	2.72	2.355	0.505		20:15	9.00	2.38	1.903	1.467	
7:45	9.33	2.45	2.066	0.526		20:30	9.06	2.24	1.810	1.486	
8:00	9.53	2.60	2.251	0.550		20:45	8.91	2.44	1.928	1.506	
8:15	9.36	2.33	1.968	0.570		21:00	8.90	2.51	1.974	1.526	
8:30	9.21	2.40	1.986	0.591		21:15	8.95	2.36	1.873	1.546	
8:45	8.97	2.38	1.892	0.611		21:30	8.85	2.22	1.737	1.564	
9:00	8.82	2.24	1.743	0.629		21:45	8.83	2.39	1.862	1.583	
9:15	8.87	2.32	1.820	0.648		22:00	8.71	2.33	1.781	1.602	
9:30	8.81	2.34	1.818	0.667		22:15	8.74	2.20	1.694	1.620	
9:45	8.72	2.20	1.683	0.684		22:30	8.52	2.40	1.780	1.638	
10:00	8.85	2.43	1.901	0.704		22:45	8.34	2.03	1.463	1.653	
10:15	8.72	2.15	1.643	0.721		23:00	8.42	1.99	1.454	1.668	
10:30	8.76	2.34	1.805	0.740		23:15	8.08	2.31	1.593	1.685	
10:45	8.59	2.21	1.660	0.757		23:30	8.02	2.09	1.425	1.700	
11:00	8.60	2.44	1.830	0.776		23:45	7.96	2.32	1.566	1.716	
11:15	8.66	2.32	1.760	0.795		<b>Daily Totals:</b>		1.566		<b>1.716</b>	<b>0.00</b>
11:30	8.78	2.46	1.901	0.815		<b>Data reported every:</b>	15 Minutes				
11:45	8.60	2.38	1.792	0.833							
12:00	8.48	2.43	1.791	0.852							
12:15	8.71	2.33	1.783	0.871							

# Daily Flow Report

Site:

2  
 Beaver St. at Oakley Ln. Waltham, MA 30" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/13/2014</b>						12:30	8.41	2.26	1.642	0.856	
0:00	7.89	2.30	1.532	0.016		12:45	8.41	2.29	1.667	0.874	
0:15	7.72	2.09	1.352	0.030		13:00	8.43	2.42	1.764	0.892	
0:30	7.74	2.20	1.426	0.045		13:15	8.41	2.24	1.636	0.909	
0:45	7.62	2.09	1.327	0.059		13:30	8.19	2.20	1.541	0.925	
1:00	7.54	2.10	1.313	0.072		13:45	8.31	2.34	1.672	0.943	
1:15	7.57	2.18	1.368	0.087		14:00	8.35	2.17	1.563	0.959	
1:30	7.46	1.98	1.222	0.099		14:15	8.34	2.39	1.718	0.977	
1:45	7.49	2.15	1.333	0.113		14:30	8.30	2.26	1.614	0.994	
2:00	7.46	2.14	1.318	0.127		14:45	8.27	2.25	1.599	1.010	
2:15	7.42	1.99	1.217	0.140		15:00	8.38	2.34	1.693	1.028	
2:30	7.41	1.99	1.214	0.152		15:15	8.16	1.88	1.312	1.041	
2:45	7.60	2.14	1.356	0.166		15:30	8.19	2.38	1.671	1.059	
3:00	7.42	1.95	1.194	0.179		15:45	8.19	2.37	1.664	1.076	
3:15	7.38	1.92	1.165	0.191		16:00	8.41	2.29	1.668	1.094	
3:30	7.39	1.98	1.202	0.204		16:15	8.40	2.32	1.689	1.111	
3:45	7.36	1.98	1.197	0.216		16:30	8.34	2.50	1.802	1.130	
4:00	7.44	1.88	1.150	0.228		16:45	8.53	2.39	1.773	1.148	
4:15	7.48	2.07	1.282	0.241		17:00	8.46	2.30	1.687	1.166	
4:30	7.47	1.95	1.205	0.254		17:15	8.67	2.43	1.845	1.185	
4:45	7.61	2.16	1.364	0.268		17:30	8.64	2.44	1.850	1.205	
5:00	7.75	2.06	1.336	0.282		17:45	8.73	2.41	1.849	1.224	
5:15	8.01	2.18	1.479	0.297		18:00	8.88	2.13	1.676	1.241	
5:30	8.32	2.46	1.767	0.316		18:15	8.91	2.37	1.874	1.261	
5:45	8.62	2.32	1.749	0.334		18:30	8.89	2.48	1.954	1.281	
6:00	8.87	2.51	1.965	0.355		18:45	8.83	2.46	1.916	1.301	
6:15	9.08	2.37	1.921	0.375		19:00	8.91	2.52	1.988	1.322	
6:30	9.46	2.49	2.135	0.397		19:15	9.00	2.46	1.969	1.342	
6:45	9.52	2.71	2.349	0.421		19:30	8.86	2.12	1.664	1.360	
7:00	9.59	2.65	2.315	0.445		19:45	9.06	2.41	1.948	1.380	
7:15	9.31	2.59	2.171	0.468		20:00	8.99	2.45	1.957	1.400	
7:30	9.47	2.50	2.144	0.490		20:15	8.80	2.16	1.678	1.418	
7:45	9.23	2.33	1.935	0.510		20:30	8.83	2.40	1.866	1.437	
8:00	9.07	2.41	1.952	0.531		20:45	8.89	2.38	1.871	1.457	
8:15	9.15	2.23	1.828	0.550		21:00	8.93	2.44	1.929	1.477	
8:30	9.06	2.43	1.965	0.570		21:15	8.87	2.35	1.841	1.496	
8:45	8.94	2.48	1.970	0.591		21:30	8.60	2.51	1.884	1.516	
9:00	8.90	2.30	1.810	0.610		21:45	8.83	2.22	1.731	1.534	
9:15	8.72	2.34	1.795	0.628		22:00	8.69	2.37	1.804	1.552	
9:30	8.65	2.22	1.679	0.646		22:15	8.56	2.37	1.767	1.571	
9:45	8.78	2.42	1.868	0.665		22:30	8.49	2.35	1.730	1.589	
10:00	8.57	2.17	1.623	0.682		22:45	8.41	2.05	1.494	1.604	
10:15	8.59	2.42	1.812	0.701		23:00	8.11	2.17	1.500	1.620	
10:30	8.64	2.23	1.688	0.719		23:15	7.94	2.12	1.424	1.635	
10:45	8.56	1.99	1.487	0.734		23:30	7.87	1.96	1.302	1.648	
11:00	8.81	2.34	1.819	0.753		23:45	7.92	2.04	1.368	1.663	
11:15	8.55	2.23	1.664	0.770		<b>Daily Totals:</b>		1.368		<b>1.663</b>	<b>0.00</b>
11:30	8.46	2.19	1.603	0.787		<b>Data reported every:</b>	15 Minutes				
11:45	8.46	2.26	1.659	0.804							
12:00	8.54	2.56	1.901	0.824							
12:15	8.48	1.94	1.433	0.839							

# Daily Flow Report



Site:

2  
Beaver St. at Oakley Ln.

Waltham, MA

30" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/14/2014</b>						12:30	8.30	2.36	1.689	0.846	
0:00	7.85	2.16	1.427	0.015		12:45	8.39	2.14	1.554	0.862	
0:15	7.74	2.14	1.387	0.029		13:00	8.35	2.29	1.655	0.879	
0:30	7.82	2.05	1.350	0.043		13:15	8.45	1.97	1.445	0.894	
0:45	7.59	2.05	1.294	0.057		13:30	8.26	2.31	1.638	0.911	
1:00	7.57	2.04	1.282	0.070		13:45	8.53	2.22	1.654	0.929	
1:15	7.56	1.90	1.191	0.083		14:00	8.30	2.25	1.610	0.945	
1:30	7.45	1.90	1.166	0.095		14:15	8.18	2.34	1.639	0.963	
1:45	7.41	1.90	1.158	0.107		14:30	8.06	2.02	1.389	0.977	
2:00	7.47	2.01	1.240	0.120		14:45	8.10	2.19	1.513	0.993	
2:15	7.39	1.98	1.204	0.132		15:00	8.24	2.28	1.615	1.010	
2:30	7.38	1.91	1.155	0.144		15:15	8.19	2.05	1.441	1.025	
2:45	7.37	1.79	1.079	0.156		15:30	8.10	2.09	1.442	1.040	
3:00	7.39	1.99	1.210	0.168		15:45	8.22	2.02	1.426	1.054	
3:15	7.45	1.99	1.225	0.181		16:00	8.25	2.30	1.632	1.071	
3:30	7.35	2.13	1.281	0.194		16:15	8.23	2.37	1.676	1.089	
3:45	7.38	1.98	1.199	0.207		16:30	8.31	2.32	1.663	1.106	
4:00	7.43	1.93	1.178	0.219		16:45	8.27	2.41	1.714	1.124	
4:15	7.51	1.95	1.210	0.232		17:00	8.69	2.39	1.819	1.143	
4:30	7.53	1.88	1.172	0.244		17:15	8.48	2.39	1.761	1.161	
4:45	7.70	2.25	1.451	0.259		17:30	8.61	2.38	1.787	1.180	
5:00	7.70	2.07	1.332	0.273		17:45	8.62	2.15	1.623	1.197	
5:15	7.91	2.19	1.466	0.288		18:00	8.62	2.36	1.780	1.215	
5:30	8.16	2.21	1.546	0.304		18:15	8.80	2.49	1.929	1.236	
5:45	8.48	2.26	1.665	0.322		18:30	8.63	2.33	1.760	1.254	
6:00	8.93	2.50	1.977	0.342		18:45	8.82	2.43	1.894	1.274	
6:15	9.05	2.54	2.046	0.363		19:00	8.81	2.31	1.793	1.292	
6:30	9.22	2.42	1.999	0.384		19:15	8.76	2.44	1.883	1.312	
6:45	9.53	2.72	2.358	0.409		19:30	8.85	2.34	1.831	1.331	
7:00	9.66	2.50	2.209	0.432		19:45	8.89	2.11	1.657	1.348	
7:15	9.44	2.59	2.211	0.455		20:00	8.88	2.44	1.917	1.368	
7:30	9.61	2.61	2.289	0.479		20:15	8.84	2.36	1.841	1.387	
7:45	9.19	2.34	1.926	0.499		20:30	8.73	2.42	1.855	1.407	
8:00	9.12	2.42	1.971	0.519		20:45	8.73	2.53	1.943	1.427	
8:15	9.27	2.46	2.055	0.541		21:00	8.73	2.47	1.891	1.447	
8:30	9.06	2.45	1.979	0.561		21:15	8.72	2.51	1.923	1.467	
8:45	8.91	2.47	1.950	0.582		21:30	8.80	2.52	1.951	1.487	
9:00	8.94	2.36	1.869	0.601		21:45	8.67	2.43	1.849	1.506	
9:15	8.83	2.08	1.620	0.618		22:00	8.59	2.29	1.719	1.524	
9:30	8.82	2.43	1.893	0.638		22:15	8.42	2.24	1.631	1.541	
9:45	8.51	2.30	1.703	0.655		22:30	8.23	2.12	1.499	1.557	
10:00	8.44	2.13	1.558	0.672		22:45	8.30	2.12	1.515	1.573	
10:15	8.69	2.39	1.820	0.691		23:00	8.05	2.30	1.577	1.589	
10:30	8.52	2.25	1.672	0.708		23:15	7.95	2.15	1.449	1.604	
10:45	8.57	2.42	1.808	0.727		23:30	7.82	2.20	1.449	1.619	
11:00	8.44	2.29	1.676	0.744		23:45	7.75	2.01	1.306	1.633	
11:15	8.39	2.21	1.601	0.761		<b>Daily Totals:</b>		1.306		<b>1.633</b>	<b>0.00</b>
11:30	8.70	2.24	1.710	0.779		<b>Data reported every:</b>	15 Minutes				
11:45	8.40	2.30	1.669	0.796							
12:00	8.30	2.33	1.669	0.814							
12:15	8.28	1.98	1.415	0.828							

# Daily Flow Report



Site:

2

Beaver St. at Oakley Ln.

Waltham, MA

30" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/15/2014</b>						12:30	8.40	1.97	1.432	0.818	
0:00	7.72	2.15	1.386	0.014		12:45	8.10	2.22	1.537	0.834	
0:15	7.58	2.08	1.307	0.028		13:00	8.28	2.19	1.565	0.851	
0:30	7.53	2.11	1.317	0.042		13:15	8.26	2.24	1.592	0.867	
0:45	7.50	2.05	1.272	0.055		13:30	8.24	2.28	1.616	0.884	
1:00	7.49	2.21	1.368	0.069		13:45	8.57	2.38	1.782	0.903	
1:15	7.36	2.03	1.228	0.082		14:00	8.30	2.29	1.638	0.920	
1:30	7.49	2.03	1.256	0.095		14:15	8.17	2.29	1.598	0.936	
1:45	7.53	2.05	1.282	0.108		14:30	8.12	2.07	1.437	0.951	
2:00	7.26	2.12	1.258	0.122		14:45	7.99	2.32	1.572	0.968	
2:15	7.24	2.08	1.228	0.134		15:00	8.01	2.12	1.444	0.983	
2:30	7.17	1.99	1.157	0.146		15:15	8.08	2.15	1.477	0.998	
2:45	7.20	1.90	1.115	0.158		15:30	7.98	2.14	1.451	1.013	
3:00	7.21	1.96	1.149	0.170		15:45	8.12	1.88	1.300	1.027	
3:15	7.21	2.01	1.181	0.182		16:00	8.16	2.41	1.680	1.044	
3:30	7.19	2.04	1.190	0.195		16:15	8.36	2.08	1.502	1.060	
3:45	7.24	1.94	1.144	0.207		16:30	8.12	2.24	1.556	1.076	
4:00	7.22	2.01	1.180	0.219		16:45	8.25	2.11	1.498	1.092	
4:15	7.29	1.98	1.178	0.231		17:00	8.37	2.35	1.702	1.109	
4:30	7.37	2.02	1.222	0.244		17:15	8.43	2.28	1.663	1.127	
4:45	7.42	2.00	1.219	0.257		17:30	8.51	2.53	1.875	1.146	
5:00	7.55	2.18	1.363	0.271		17:45	8.58	2.45	1.833	1.165	
5:15	7.86	2.15	1.424	0.286		18:00	8.80	2.33	1.807	1.184	
5:30	7.98	2.04	1.378	0.300		18:15	8.68	2.27	1.730	1.202	
5:45	8.23	2.28	1.612	0.317		18:30	8.84	2.27	1.773	1.221	
6:00	8.64	2.31	1.749	0.335		18:45	8.69	2.47	1.884	1.240	
6:15	8.89	2.44	1.919	0.355		19:00	8.83	2.41	1.880	1.260	
6:30	9.13	2.55	2.078	0.377		19:15	8.79	2.35	1.820	1.279	
6:45	9.21	2.51	2.071	0.398		19:30	8.54	2.53	1.883	1.298	
7:00	9.47	2.56	2.200	0.421		19:45	8.47	2.40	1.764	1.317	
7:15	9.24	2.47	2.047	0.442		20:00	8.28	2.43	1.734	1.335	
7:30	9.09	2.42	1.964	0.463		20:15	8.55	2.39	1.776	1.353	
7:45	9.10	2.46	2.000	0.484		20:30	8.34	2.37	1.702	1.371	
8:00	9.04	2.43	1.956	0.504		20:45	8.33	2.30	1.657	1.388	
8:15	8.86	2.53	1.982	0.525		21:00	8.35	2.52	1.816	1.407	
8:30	8.80	2.31	1.790	0.543		21:15	8.42	2.33	1.697	1.425	
8:45	8.77	2.47	1.905	0.563		21:30	8.12	2.35	1.631	1.442	
9:00	8.75	2.35	1.808	0.582		21:45	8.20	2.41	1.691	1.460	
9:15	8.87	2.48	1.945	0.602		22:00	8.12	2.23	1.551	1.476	
9:30	8.53	2.38	1.769	0.621		22:15	8.06	2.20	1.509	1.491	
9:45	8.51	1.92	1.417	0.636		22:30	7.90	2.34	1.559	1.508	
10:00	8.54	2.43	1.812	0.654		22:45	8.10	2.28	1.576	1.524	
10:15	8.43	2.14	1.564	0.671		23:00	7.73	2.25	1.457	1.539	
10:30	8.56	2.16	1.610	0.688		23:15	7.61	2.06	1.303	1.553	
10:45	8.35	1.99	1.434	0.702		23:30	7.38	2.19	1.330	1.567	
11:00	8.39	2.43	1.761	0.721		23:45	7.14	1.72	0.993	1.577	
11:15	8.38	2.16	1.569	0.737		<b>Daily Totals:</b>		0.993		<b>1.577</b>	<b>0.00</b>
11:30	8.23	1.96	1.381	0.752		<b>Data reported every:</b>	15 Minutes				
11:45	8.34	2.19	1.578	0.768							
12:00	8.54	2.45	1.824	0.787							
12:15	8.27	2.21	1.573	0.803							



# Daily Flow Report



Site:

2  
Beaver St. at Oakley Ln.

Waltham, MA

30" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/16/2014</b>						12:30	7.59	2.37	1.496	0.752	
0:00	7.30	2.00	1.194	0.012		12:45	7.66	2.36	1.509	0.767	
0:15	7.10	2.12	1.216	0.025		13:00	7.68	2.17	1.387	0.782	
0:30	7.06	2.31	1.315	0.039		13:15	7.64	2.40	1.529	0.798	
0:45	7.10	1.91	1.098	0.050		13:30	7.59	2.34	1.477	0.813	0.02
1:00	6.93	2.13	1.182	0.063		13:45	7.61	2.24	1.420	0.828	0.01
1:15	7.11	1.92	1.103	0.074		14:00	8.47	2.35	1.731	0.846	0.01
1:30	6.85	1.87	1.022	0.085		14:15	7.55	2.38	1.486	0.861	
1:45	6.75	1.98	1.058	0.096		14:30	7.63	2.39	1.520	0.877	
2:00	6.80	2.09	1.128	0.107		14:45	7.98	2.29	1.547	0.893	
2:15	6.73	1.95	1.037	0.118		15:00	8.29	2.44	1.741	0.911	
2:30	6.73	1.95	1.036	0.129		15:15	7.70	2.28	1.469	0.927	
2:45	6.75	2.07	1.106	0.141		15:30	7.48	2.29	1.413	0.941	
3:00	6.85	1.89	1.030	0.151		15:45	7.47	2.36	1.459	0.957	
3:15	6.70	2.10	1.107	0.163		16:00	7.55	2.50	1.561	0.973	0.01
3:30	6.69	2.30	1.215	0.175		16:15	7.79	2.28	1.489	0.988	
3:45	6.70	1.93	1.021	0.186		16:30	7.75	2.44	1.583	1.005	
4:00	6.63	2.21	1.152	0.198		16:45	7.66	2.42	1.547	1.021	
4:15	6.91	2.15	1.188	0.211		17:00	7.77	2.28	1.485	1.037	
4:30	6.84	1.94	1.056	0.222		17:15	7.82	2.30	1.515	1.052	
4:45	7.02	2.04	1.153	0.234		17:30	7.90	2.30	1.536	1.068	0.01
5:00	6.97	2.14	1.195	0.246		17:45	7.94	2.35	1.578	1.085	
5:15	7.16	2.21	1.282	0.259		18:00	8.18	2.46	1.721	1.103	
5:30	7.53	2.36	1.475	0.275		18:15	8.39	2.26	1.640	1.120	
5:45	7.87	2.37	1.571	0.291		18:30	8.13	2.28	1.583	1.136	
6:00	7.83	2.46	1.619	0.308		18:45	8.00	2.31	1.567	1.153	0.12
6:15	8.12	2.54	1.761	0.326		19:00	8.29	2.32	1.654	1.170	0.01
6:30	8.38	2.52	1.823	0.345		19:15	8.16	2.25	1.572	1.186	
6:45	8.49	2.60	1.921	0.365		19:30	8.57	2.54	1.902	1.206	0.01
7:00	8.50	2.32	1.718	0.383		19:45	8.26	2.35	1.668	1.223	
7:15	8.63	2.50	1.891	0.403		20:00	8.22	2.47	1.740	1.241	
7:30	8.39	2.44	1.771	0.421		20:15	8.38	2.36	1.714	1.259	
7:45	8.43	2.38	1.740	0.439		20:30	8.12	2.32	1.607	1.276	
8:00	8.26	2.37	1.684	0.457		20:45	8.05	2.20	1.507	1.292	
8:15	8.24	2.54	1.798	0.476		21:00	8.00	2.35	1.593	1.308	
8:30	8.31	2.53	1.813	0.495		21:15	8.05	2.46	1.683	1.326	
8:45	8.15	2.26	1.577	0.511		21:30	8.03	2.32	1.585	1.342	
9:00	8.14	2.63	1.828	0.530		21:45	7.86	2.28	1.514	1.358	
9:15	7.96	2.29	1.544	0.546		22:00	7.91	2.40	1.603	1.375	
9:30	7.85	2.28	1.508	0.562		22:15	7.76	2.36	1.532	1.391	
9:45	7.95	2.47	1.663	0.579		22:30	7.67	2.32	1.488	1.406	0.01
10:00	7.93	2.03	1.363	0.593		22:45	7.64	2.11	1.341	1.420	
10:15	7.84	2.53	1.667	0.611		23:00	7.74	2.23	1.450	1.435	
10:30	7.78	2.56	1.672	0.628		23:15	7.56	1.96	1.227	1.448	
10:45	7.73	2.27	1.468	0.643		23:30	7.43	2.07	1.264	1.461	
11:00	7.83	2.33	1.537	0.659		23:45	7.32	2.27	1.361	1.476	
11:15	7.68	2.44	1.564	0.676		<b>Daily Totals:</b>		1.361		<b>1.476</b>	<b>0.21</b>
11:30	7.90	2.27	1.517	0.692		<b>Data reported every:</b>	15 Minutes				
11:45	7.61	2.30	1.456	0.707							
12:00	7.56	2.24	1.408	0.721							
12:15	7.55	2.24	1.403	0.736							

# Daily Flow Report

Site:

2  
 Beaver St. at Oakley Ln. Waltham, MA 30" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/17/2014</b>						12:30	9.04	2.50	2.016	0.914	
0:00	7.14	2.07	1.196	0.012		12:45	8.87	2.45	1.922	0.934	
0:15	7.14	2.23	1.291	0.026		13:00	8.85	2.61	2.040	0.955	
0:30	7.12	2.04	1.178	0.038		13:15	8.88	2.44	1.914	0.975	
0:45	6.90	1.86	1.022	0.049		13:30	8.57	2.30	1.723	0.993	
1:00	6.95	2.02	1.125	0.061		13:45	9.00	2.15	1.718	1.011	
1:15	6.87	2.19	1.199	0.073		14:00	8.59	2.51	1.882	1.031	
1:30	6.83	2.18	1.187	0.085		14:15	8.85	2.58	2.019	1.052	
1:45	6.70	2.18	1.152	0.097		14:30	8.90	2.65	2.090	1.073	
2:00	6.68	2.18	1.145	0.109		14:45	8.80	2.36	1.830	1.093	
2:15	6.77	2.17	1.165	0.121		15:00	9.00	2.37	1.894	1.112	
2:30	6.89	2.17	1.192	0.134		15:15	8.81	2.53	1.967	1.133	
2:45	6.68	2.16	1.138	0.146		15:30	8.76	2.45	1.886	1.152	
3:00	6.81	2.20	1.188	0.158		15:45	8.85	2.31	1.804	1.171	
3:15	7.06	2.23	1.270	0.171	0.05	16:00	8.60	2.50	1.874	1.191	
3:30	6.93	2.26	1.255	0.184	0.05	16:15	8.68	2.30	1.750	1.209	
3:45	7.41	2.30	1.401	0.199	0.01	16:30	8.65	2.43	1.843	1.228	
4:00	7.58	2.33	1.466	0.214	0.06	16:45	8.32	2.37	1.702	1.246	
4:15	7.64	2.36	1.503	0.230	0.04	17:00	8.44	2.61	1.906	1.266	
4:30	7.79	2.14	1.396	0.244	0.01	17:15	8.45	2.51	1.837	1.285	
4:45	7.25	2.01	1.187	0.257	0.03	17:30	8.72	2.47	1.894	1.305	
5:00	7.33	2.15	1.291	0.270	0.12	17:45	8.49	2.48	1.833	1.324	
5:15	7.28	2.13	1.266	0.283	0.15	18:00	8.42	2.55	1.859	1.343	
5:30	7.42	2.13	1.302	0.297	0.04	18:15	8.34	2.25	1.621	1.360	
5:45	7.96	2.29	1.545	0.313	0.06	18:30	8.42	2.56	1.868	1.379	
6:00	8.46	2.32	1.704	0.331	0.03	18:45	8.51	2.46	1.825	1.398	
6:15	8.85	2.76	2.157	0.353	0.02	19:00	8.45	2.64	1.940	1.419	
6:30	8.86	2.69	2.105	0.375		19:15	8.42	2.35	1.714	1.436	
6:45	9.05	2.59	2.091	0.397		19:30	8.62	2.45	1.847	1.456	
7:00	9.19	2.38	1.958	0.417		19:45	8.35	2.52	1.816	1.475	
7:15	9.13	2.61	2.129	0.440		20:00	8.70	2.37	1.808	1.493	
7:30	9.13	2.57	2.100	0.461		20:15	8.51	2.24	1.660	1.511	
7:45	9.58	2.61	2.280	0.485		20:30	8.27	2.34	1.662	1.528	
8:00	9.08	2.73	2.214	0.508		20:45	8.19	2.30	1.615	1.545	
8:15	9.23	2.77	2.297	0.532		21:00	8.22	2.58	1.817	1.564	
8:30	9.26	2.85	2.372	0.557		21:15	8.28	2.45	1.747	1.582	
8:45	9.04	2.82	2.273	0.581		21:30	8.28	2.24	1.593	1.599	
9:00	9.34	2.81	2.365	0.605		21:45	8.12	2.33	1.618	1.615	
9:15	9.11	2.65	2.159	0.628		22:00	8.71	2.52	1.923	1.635	
9:30	9.36	2.36	1.995	0.649		22:15	8.60	2.33	1.753	1.654	
9:45	9.18	2.24	1.844	0.668		22:30	8.41	2.49	1.816	1.673	
10:00	9.16	2.76	2.264	0.691		22:45	8.51	2.30	1.703	1.690	
10:15	9.53	2.54	2.198	0.714		23:00	8.40	2.34	1.701	1.708	
10:30	9.22	2.65	2.191	0.737		23:15	8.01	1.96	1.334	1.722	
10:45	9.36	2.35	1.984	0.758		23:30	7.91	1.82	1.217	1.735	
11:00	9.03	2.76	2.221	0.781		23:45	7.81	2.21	1.452	1.750	
11:15	9.48	2.79	2.399	0.806		<b>Daily Totals:</b>		1.452		<b>1.750</b>	<b>0.67</b>
11:30	9.19	2.61	2.149	0.828		<b>Data reported every:</b>	15 Minutes				
11:45	9.05	2.39	1.930	0.848							
12:00	9.19	2.67	2.198	0.871							
12:15	8.87	2.67	2.096	0.893							

# Daily Flow Report



Site:

2  
 Beaver St. at Oakley Ln. Waltham, MA 30" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/18/2014</b>						12:30	8.45	2.26	1.656	0.820	
0:00	7.62	1.72	1.091	0.011		12:45	9.04	2.34	1.883	0.839	
0:15	7.67	1.93	1.234	0.024		13:00	9.01	2.48	1.990	0.860	
0:30	7.40	1.97	1.200	0.037		13:15	8.98	2.48	1.979	0.881	
0:45	7.37	2.00	1.208	0.049		13:30	8.87	2.33	1.827	0.900	
1:00	7.40	2.17	1.319	0.063		13:45	8.96	2.59	2.061	0.921	
1:15	7.34	2.08	1.248	0.076		14:00	8.84	2.54	1.984	0.942	
1:30	7.24	2.12	1.249	0.089		14:15	8.96	2.50	1.989	0.962	
1:45	7.14	2.19	1.267	0.102		14:30	8.80	2.19	1.699	0.980	
2:00	7.09	1.98	1.136	0.114		14:45	8.73	2.31	1.768	0.999	
2:15	7.16	1.76	1.023	0.125		15:00	8.85	2.54	1.991	1.019	
2:30	7.07	2.06	1.172	0.137		15:15	8.67	2.24	1.702	1.037	
2:45	7.02	2.18	1.232	0.150		15:30	8.16	2.24	1.563	1.053	
3:00	7.05	2.14	1.219	0.162		15:45	8.42	2.56	1.867	1.073	
3:15	7.14	2.17	1.255	0.176		16:00	8.56	2.39	1.783	1.091	
3:30	7.50	2.16	1.335	0.189		16:15	8.73	2.21	1.700	1.109	
3:45	6.93	2.09	1.159	0.202		16:30	8.89	2.57	2.020	1.130	
4:00	6.94	2.12	1.175	0.214		16:45	8.79	2.49	1.931	1.150	
4:15	6.95	1.93	1.076	0.225		17:00	8.88	2.44	1.917	1.170	
4:30	6.93	2.09	1.157	0.237		17:15	8.73	2.42	1.854	1.189	
4:45	6.96	1.94	1.080	0.248		17:30	8.71	2.44	1.868	1.209	
5:00	7.03	2.10	1.186	0.261		17:45	9.04	2.58	2.078	1.231	
5:15	7.05	2.15	1.221	0.273		18:00	8.84	2.43	1.895	1.250	
5:30	7.10	2.28	1.306	0.287		18:15	8.84	2.41	1.881	1.270	
5:45	7.39	2.19	1.328	0.301		18:30	8.98	2.28	1.820	1.289	
6:00	7.49	2.20	1.362	0.315		18:45	8.95	2.59	2.059	1.310	
6:15	7.38	2.17	1.313	0.329		19:00	8.94	2.33	1.844	1.330	
6:30	7.51	2.18	1.350	0.343		19:15	8.96	2.49	1.979	1.350	
6:45	7.93	2.38	1.596	0.359		19:30	8.94	2.47	1.959	1.371	
7:00	8.04	2.41	1.648	0.377		19:45	9.01	2.55	2.048	1.392	
7:15	8.62	2.43	1.830	0.396		20:00	8.88	2.37	1.858	1.411	
7:30	8.69	2.38	1.811	0.414		20:15	8.80	2.60	2.021	1.432	
7:45	8.92	2.27	1.791	0.433		20:30	8.81	2.55	1.982	1.453	
8:00	9.19	2.48	2.040	0.454		20:45	8.98	2.43	1.938	1.473	
8:15	9.28	2.49	2.078	0.476		21:00	9.05	2.44	1.967	1.494	
8:30	8.77	2.34	1.806	0.495		21:15	8.83	2.48	1.930	1.514	
8:45	9.18	2.46	2.021	0.516		21:30	8.64	2.13	1.610	1.530	
9:00	9.15	2.43	1.989	0.537		21:45	8.59	2.33	1.749	1.549	
9:15	8.98	2.68	2.133	0.559		22:00	8.71	2.19	1.674	1.566	
9:30	8.96	2.76	2.192	0.582		22:15	8.62	2.22	1.675	1.584	
9:45	8.88	2.58	2.025	0.603		22:30	8.52	2.35	1.743	1.602	
10:00	8.85	2.37	1.852	0.622		22:45	8.28	2.20	1.569	1.618	
10:15	9.06	2.59	2.094	0.644		23:00	8.03	1.65	1.123	1.630	
10:30	8.83	2.19	1.705	0.662		23:15	8.06	1.99	1.363	1.644	
10:45	8.94	2.52	1.999	0.682		23:30	7.96	1.69	1.139	1.656	
11:00	9.01	2.60	2.085	0.704		23:45	7.88	2.19	1.454	1.671	
11:15	8.91	2.36	1.861	0.724		<b>Daily Totals:</b>		1.454		<b>1.671</b>	<b>0.00</b>
11:30	8.97	2.49	1.985	0.744		<b>Data reported every:</b>	15 Minutes				
11:45	8.54	2.25	1.673	0.762							
12:00	8.65	2.55	1.928	0.782							
12:15	8.53	2.67	1.979	0.802							

# Daily Flow Report



Site:

2  
Beaver St. at Oakley Ln.

Waltham, MA

30" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/19/2014</b>						12:30	8.39	2.24	1.622	0.856	
0:00	7.82	2.21	1.453	0.015		12:45	8.46	2.33	1.707	0.874	0.01
0:15	7.73	2.15	1.390	0.030		13:00	8.46	2.26	1.661	0.891	
0:30	7.72	2.12	1.368	0.044		13:15	8.66	2.33	1.771	0.910	
0:45	7.70	2.25	1.448	0.059		13:30	8.41	2.28	1.660	0.927	
1:00	7.46	2.12	1.304	0.073		13:45	8.33	2.42	1.734	0.945	
1:15	7.36	1.91	1.151	0.085		14:00	8.36	2.26	1.628	0.962	
1:30	7.32	2.11	1.262	0.098		14:15	8.36	2.30	1.663	0.979	
1:45	7.26	1.93	1.144	0.110		14:30	8.18	2.21	1.550	0.995	
2:00	7.62	1.96	1.242	0.123		14:45	8.20	1.92	1.350	1.009	
2:15	7.49	2.11	1.305	0.136		15:00	8.16	2.16	1.507	1.025	
2:30	7.46	1.99	1.224	0.149		15:15	8.04	2.23	1.523	1.041	
2:45	7.41	2.00	1.218	0.162		15:30	8.25	2.12	1.505	1.057	
3:00	7.38	2.02	1.226	0.174		15:45	8.26	2.24	1.588	1.073	
3:15	7.36	1.94	1.171	0.187		16:00	8.24	2.16	1.529	1.089	
3:30	7.46	2.07	1.272	0.200		16:15	8.33	2.24	1.608	1.106	
3:45	7.53	2.06	1.285	0.213		16:30	8.36	2.21	1.599	1.123	
4:00	7.53	2.18	1.360	0.227		16:45	8.47	2.39	1.756	1.141	
4:15	7.46	1.93	1.187	0.240		17:00	8.36	2.22	1.607	1.158	
4:30	7.51	1.98	1.228	0.252		17:15	8.48	2.30	1.693	1.175	
4:45	7.60	1.94	1.227	0.265		17:30	8.56	2.42	1.809	1.194	
5:00	7.67	1.98	1.266	0.278		17:45	8.65	2.34	1.771	1.213	
5:15	7.82	2.13	1.403	0.293		18:00	8.82	2.61	2.034	1.234	
5:30	8.26	2.00	1.421	0.308		18:15	8.81	2.21	1.718	1.252	
5:45	8.47	2.33	1.711	0.326		18:30	8.87	2.47	1.938	1.272	
6:00	9.04	2.44	1.968	0.346		18:45	8.86	2.26	1.772	1.290	
6:15	9.10	2.52	2.044	0.367		19:00	8.92	2.46	1.949	1.311	
6:30	9.21	2.67	2.205	0.390		19:15	9.12	2.37	1.933	1.331	
6:45	9.50	2.61	2.256	0.414		19:30	9.01	2.52	2.023	1.352	0.01
7:00	9.45	2.52	2.156	0.436		19:45	8.95	2.36	1.870	1.371	
7:15	9.43	2.66	2.269	0.460		20:00	9.04	2.49	2.008	1.392	0.01
7:30	9.40	2.45	2.085	0.482		20:15	8.94	2.41	1.910	1.412	
7:45	9.37	2.52	2.129	0.504		20:30	8.96	2.54	2.019	1.433	0.01
8:00	9.09	2.38	1.932	0.524		20:45	9.02	2.33	1.873	1.453	
8:15	9.19	2.49	2.047	0.545		21:00	8.88	2.46	1.933	1.473	
8:30	9.09	2.31	1.875	0.565		21:15	8.63	2.08	1.570	1.489	
8:45	8.91	2.56	2.022	0.586		21:30	8.71	2.30	1.757	1.507	
9:00	9.05	2.30	1.855	0.605		21:45	8.68	2.29	1.738	1.526	
9:15	8.82	2.45	1.907	0.625		22:00	8.59	2.32	1.738	1.544	0.01
9:30	8.91	2.41	1.904	0.645		22:15	8.51	2.12	1.570	1.560	
9:45	8.74	2.38	1.829	0.664		22:30	8.35	2.23	1.612	1.577	
10:00	8.57	2.31	1.729	0.682		22:45	8.43	2.09	1.527	1.593	
10:15	8.56	2.39	1.780	0.701		23:00	8.20	2.18	1.535	1.609	
10:30	8.60	2.20	1.651	0.718		23:15	8.13	2.12	1.475	1.624	
10:45	8.47	2.19	1.611	0.735		23:30	8.01	1.98	1.345	1.638	
11:00	8.67	2.31	1.758	0.753		23:45	7.92	2.16	1.447	1.653	
11:15	8.50	2.29	1.695	0.771		<b>Daily Totals:</b>		1.447		<b>1.653</b>	<b>0.05</b>
11:30	8.63	2.26	1.701	0.788		<b>Data reported every:</b>	15 Minutes				
11:45	8.34	2.32	1.670	0.806							
12:00	8.64	2.16	1.635	0.823							
12:15	8.30	2.22	1.587	0.839							

# Daily Flow Report



Site:

2  
Beaver St. at Oakley Ln. Waltham, MA 30" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/20/2014</b>						12:30	8.26	2.49	1.768	0.851	
0:00	7.84	2.02	1.332	0.014		12:45	8.34	2.50	1.797	0.870	
0:15	7.77	1.98	1.292	0.027		13:00	8.26	2.39	1.700	0.888	
0:30	7.74	2.11	1.370	0.042		13:15	8.27	2.36	1.678	0.905	
0:45	7.60	2.18	1.377	0.056		13:30	8.23	2.21	1.565	0.921	
1:00	7.59	2.12	1.335	0.070		13:45	8.45	2.24	1.646	0.939	
1:15	7.56	1.95	1.223	0.083		14:00	8.39	2.30	1.666	0.956	
1:30	7.61	2.07	1.311	0.096		14:15	8.40	2.19	1.593	0.972	
1:45	7.50	2.17	1.344	0.110		14:30	8.24	2.32	1.641	0.990	
2:00	7.62	1.90	1.203	0.123		14:45	8.04	2.11	1.445	1.005	
2:15	7.39	2.04	1.237	0.136		15:00	8.04	2.13	1.455	1.020	
2:30	7.40	2.17	1.323	0.149		15:15	7.97	2.19	1.481	1.035	
2:45	7.41	1.92	1.170	0.162		15:30	8.03	2.24	1.526	1.051	
3:00	7.37	2.08	1.258	0.175		15:45	8.14	2.22	1.544	1.067	
3:15	7.47	2.12	1.305	0.188		16:00	8.12	2.19	1.517	1.083	
3:30	7.37	1.92	1.160	0.200		16:15	8.22	2.16	1.526	1.099	
3:45	7.43	2.01	1.228	0.213		16:30	8.23	2.16	1.527	1.115	
4:00	7.43	1.96	1.200	0.226		16:45	8.44	2.34	1.710	1.133	
4:15	7.76	2.17	1.411	0.240		17:00	8.32	2.36	1.693	1.150	
4:30	7.62	2.02	1.279	0.254		17:15	8.45	2.56	1.876	1.170	
4:45	7.67	2.20	1.409	0.268		17:30	8.53	2.26	1.676	1.187	
5:00	7.77	2.06	1.342	0.282		17:45	8.76	2.09	1.614	1.204	
5:15	7.91	2.20	1.467	0.298		18:00	8.64	2.36	1.783	1.223	
5:30	8.41	2.27	1.648	0.315		18:15	8.68	2.43	1.851	1.242	
5:45	8.69	2.33	1.772	0.333		18:30	8.70	2.40	1.835	1.261	
6:00	8.89	2.42	1.902	0.353		18:45	8.76	2.38	1.837	1.280	
6:15	9.33	2.53	2.124	0.375		19:00	8.68	2.34	1.778	1.299	
6:30	9.17	2.45	2.017	0.396		19:15	8.83	2.38	1.857	1.318	
6:45	9.54	2.47	2.148	0.419		19:30	8.65	2.22	1.685	1.336	
7:00	9.69	2.67	2.369	0.443		19:45	8.62	2.45	1.851	1.355	
7:15	9.43	2.61	2.225	0.466		20:00	8.62	2.28	1.717	1.373	
7:30	9.35	2.32	1.962	0.487		20:15	8.60	2.14	1.609	1.389	
7:45	9.10	2.55	2.074	0.509		20:30	8.68	2.49	1.897	1.409	
8:00	9.25	2.61	2.174	0.531		20:45	8.52	2.28	1.693	1.427	
8:15	9.00	2.35	1.883	0.551		21:00	8.57	2.55	1.906	1.447	
8:30	8.88	2.50	1.961	0.571		21:15	8.53	2.07	1.535	1.463	
8:45	8.58	2.03	1.519	0.587		21:30	8.47	2.42	1.782	1.481	
9:00	8.81	2.45	1.903	0.607		21:45	8.74	2.41	1.853	1.501	
9:15	8.60	2.39	1.794	0.626		22:00	8.46	2.02	1.480	1.516	
9:30	8.60	2.33	1.750	0.644		22:15	8.33	2.33	1.671	1.533	
9:45	8.57	2.12	1.585	0.660		22:30	8.12	2.24	1.553	1.550	
10:00	8.51	2.38	1.764	0.679		22:45	8.18	2.24	1.568	1.566	
10:15	8.66	2.24	1.696	0.696		23:00	7.85	2.24	1.485	1.581	
10:30	8.57	2.53	1.892	0.716		23:15	7.94	2.03	1.365	1.596	
10:45	8.39	2.18	1.579	0.732		23:30	7.78	2.10	1.372	1.610	
11:00	8.56	2.13	1.592	0.749		23:45	7.64	2.22	1.417	1.625	
11:15	8.35	2.19	1.577	0.766		<b>Daily Totals:</b>		1.417		<b>1.625</b>	<b>0.00</b>
11:30	8.35	2.20	1.585	0.782		<b>Data reported every:</b>	15 Minutes				
11:45	8.46	2.28	1.673	0.799							
12:00	8.41	2.43	1.765	0.818							
12:15	8.37	1.98	1.433	0.833							

# Daily Flow Report



Site:

2  
 Beaver St. at Oakley Ln. Waltham, MA 30" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/21/2014</b>						12:30				0.650	
0:00	7.69	1.84	1.182	0.012		12:45				0.650	
0:15	7.44	2.14	1.309	0.026		13:00				0.650	
0:30	7.35	1.96	1.185	0.038		13:15				0.650	
0:45	7.28	2.07	1.233	0.051		13:30				0.650	
1:00	7.25	1.97	1.163	0.063		13:45				0.650	
1:15	7.31	2.02	1.211	0.076		14:00				0.650	
1:30	7.23	1.95	1.147	0.088		14:15				0.650	
1:45	7.14	1.95	1.129	0.100		14:30				0.650	
2:00	7.18	2.00	1.167	0.112		14:45				0.650	
2:15	7.14	1.98	1.145	0.124		15:00				0.650	
2:30	7.20	2.00	1.168	0.136		15:15				0.650	
2:45	7.09	1.88	1.074	0.147		15:30				0.650	
3:00	7.20	1.93	1.131	0.159		15:45				0.650	
3:15	7.14	1.91	1.108	0.170		16:00				0.650	
3:30	7.13	1.96	1.131	0.182		16:15				0.650	
3:45	7.18	1.98	1.155	0.194		16:30				0.650	
4:00	7.12	1.85	1.067	0.205		16:45				0.650	
4:15	7.34	2.04	1.223	0.218		17:00				0.650	
4:30	7.38	2.00	1.212	0.231		17:15				0.650	
4:45	7.31	2.01	1.200	0.243		17:30				0.650	
5:00	7.61	2.11	1.334	0.257		17:45				0.650	
5:15	7.63	2.15	1.368	0.271		18:00				0.650	
5:30	7.95	2.18	1.466	0.287		18:15				0.650	
5:45	8.23	1.93	1.367	0.301		18:30				0.650	
6:00	8.58	2.38	1.779	0.319		18:45				0.650	
6:15	8.91	2.40	1.895	0.339		19:00				0.650	
6:30	9.10	2.46	2.001	0.360		19:15				0.650	
6:45	9.09	2.70	2.186	0.383		19:30				0.650	
7:00	9.40	2.70	2.292	0.407		19:45				0.650	
7:15	9.09	2.69	2.180	0.429		20:00				0.650	
7:30	9.00	2.49	1.995	0.450		20:15				0.650	
7:45	8.87	2.53	1.983	0.471		20:30				0.650	
8:00	8.82	2.27	1.768	0.489		20:45				0.650	
8:15	8.73	2.53	1.943	0.509		21:00				0.650	
8:30	8.70	2.43	1.852	0.529		21:15				0.650	
8:45	8.60	2.36	1.774	0.547		21:30				0.650	
9:00	8.54	2.41	1.796	0.566		21:45				0.650	
9:15	8.54	2.42	1.802	0.585		22:00				0.650	
9:30	8.40	2.21	1.606	0.601		22:15				0.650	
9:45	8.55	2.19	1.629	0.618		22:30				0.650	
10:00	8.36	2.20	1.593	0.635		22:45				0.650	
10:15	8.17	2.11	1.477	0.650		23:00				0.650	
10:30				0.650		23:15				0.650	
10:45				0.650		23:30				0.650	
11:00				0.650		23:45				0.650	
11:15				0.650		<b>Daily Totals:</b>				<b>0.650</b>	<b>0.00</b>
11:30				0.650		<b>Data reported every:</b>	15 Minutes				
11:45				0.650							
12:00				0.650							
12:15				0.650							

# Daily Flow Report



Site:

3  
Middlesex Circle Easement Waltham, MA 36" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/16/2014</b>						12:30					
0:00					0.01	12:45					
0:15					0.02	13:00					
0:30					0.02	13:15					
0:45					0.03	13:30					
1:00					0.02	13:45					
1:15					0.01	14:00					
1:30					0.01	14:15					
1:45					0.03	14:30	19.00	1.30	3.134	0.033	
2:00					0.02	14:45	18.88	1.35	3.216	0.066	
2:15					0.02	15:00	18.80	1.34	3.181	0.099	
2:30					0.01	15:15	18.74	1.33	3.152	0.132	
2:45						15:30	18.76	1.34	3.175	0.165	
3:00						15:45	18.75	1.34	3.173	0.198	
3:15						16:00	18.78	1.34	3.183	0.231	
3:30						16:15	18.77	1.34	3.178	0.264	
3:45						16:30	18.88	1.35	3.217	0.298	
4:00						16:45	18.85	1.34	3.205	0.331	
4:15						17:00	18.96	1.35	3.241	0.365	
4:30						17:15	18.99	1.35	3.254	0.399	
4:45						17:30	19.06	1.35	3.276	0.433	
5:00						17:45	19.19	1.36	3.321	0.468	
5:15						18:00	19.40	1.37	3.390	0.503	
5:30						18:15	19.37	1.37	3.381	0.538	
5:45						18:30	19.61	1.38	3.461	0.574	
6:00						18:45	19.51	1.38	3.428	0.610	
6:15					0.01	19:00	19.53	1.38	3.435	0.646	
6:30						19:15	19.69	1.38	3.488	0.682	
6:45					0.01	19:30	19.53	1.38	3.434	0.718	
7:00						19:45	19.63	1.38	3.469	0.754	
7:15					0.01	20:00	19.65	1.38	3.476	0.790	
7:30						20:15	19.61	1.38	3.460	0.826	
7:45						20:30	19.61	1.38	3.460	0.862	
8:00						20:45	19.49	1.37	3.420	0.898	
8:15					0.01	21:00	19.49	1.37	3.419	0.934	
8:30					0.01	21:15	19.37	1.37	3.379	0.969	
8:45					0.02	21:30	19.16	1.36	3.308	1.003	
9:00						21:45	19.04	1.35	3.268	1.037	
9:15					0.02	22:00	19.08	1.35	3.281	1.071	
9:30					0.01	22:15	18.89	1.35	3.220	1.105	
9:45					0.01	22:30	18.57	1.33	3.114	1.137	
10:00					0.01	22:45	18.39	1.32	3.053	1.169	
10:15					0.02	23:00	18.20	1.31	2.991	1.200	
10:30					0.01	23:15	18.20	1.31	2.991	1.232	
10:45					0.01	23:30	17.91	1.30	2.897	1.262	
11:00					0.02	23:45	17.79	1.29	2.858	1.292	
11:15					0.01	<b>Daily Totals:</b>					<b>0.43</b>
11:30					0.01	<b>Data reported every:</b> 15 Minutes					
11:45					0.01						
12:00					0.01						
12:15					0.01						

# Daily Flow Report



Site:

3  
Middlesex Circle Easement Waltham, MA 36" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/17/2014</b>						12:30	18.14	1.31	2.971	1.551	
0:00	17.60	1.28	2.798	0.029		12:45	18.04	1.30	2.938	1.582	
0:15	17.33	1.27	2.713	0.057		13:00	18.01	1.30	2.928	1.612	
0:30	17.25	1.26	2.688	0.085		13:15	18.05	1.30	2.943	1.643	
0:45	17.12	1.26	2.644	0.113		13:30	18.02	1.30	2.934	1.674	
1:00	16.97	1.25	2.599	0.140		13:45	18.10	1.31	2.959	1.704	
1:15	16.80	1.24	2.547	0.167		14:00	17.94	1.30	2.908	1.735	
1:30	16.76	1.24	2.532	0.193		14:15	17.82	1.29	2.867	1.765	
1:45	16.62	1.23	2.490	0.219		14:30	17.79	1.29	2.857	1.794	
2:00	16.57	1.23	2.473	0.245		14:45	17.82	1.29	2.867	1.824	
2:15	16.64	1.23	2.496	0.271		15:00	17.84	1.29	2.875	1.854	
2:30	16.53	1.22	2.463	0.296		15:15	17.91	1.30	2.898	1.884	
2:45	16.45	1.22	2.437	0.322		15:30	17.80	1.29	2.862	1.914	
3:00	16.41	1.22	2.426	0.347		15:45	17.70	1.29	2.831	1.944	
3:15	16.36	1.21	2.409	0.372		16:00	17.88	1.30	2.887	1.974	
3:30	16.39	1.22	2.421	0.397		16:15	17.75	1.29	2.845	2.003	
3:45	16.30	1.21	2.393	0.422		16:30	17.87	1.29	2.885	2.033	
4:00	16.38	1.22	2.418	0.447		16:45	17.96	1.30	2.913	2.064	
4:15	16.49	1.22	2.451	0.473		17:00	18.07	1.30	2.948	2.094	
4:30	16.47	1.22	2.444	0.498		17:15	18.10	1.31	2.959	2.125	
4:45	16.59	1.23	2.481	0.524		17:30	18.28	1.32	3.018	2.157	
5:00	16.63	1.23	2.492	0.550		17:45	18.43	1.32	3.067	2.189	
5:15	16.91	1.24	2.580	0.577		18:00	18.53	1.33	3.101	2.221	
5:30	17.29	1.26	2.699	0.605		18:15	18.62	1.33	3.128	2.254	
5:45	17.79	1.29	2.857	0.635		18:30	18.69	1.34	3.152	2.286	
6:00	18.28	1.32	3.017	0.666		18:45	18.67	1.33	3.147	2.319	
6:15	18.93	1.35	3.233	0.700		19:00	18.71	1.34	3.159	2.352	
6:30	19.65	1.38	3.473	0.736		19:15	18.78	1.34	3.183	2.385	
6:45	19.86	1.39	3.548	0.773		19:30	18.81	1.34	3.194	2.418	
7:00	19.95	1.40	3.577	0.810		19:45	18.82	1.34	3.197	2.452	
7:15	20.09	1.40	3.626	0.848		20:00	18.64	1.33	3.137	2.484	
7:30	20.18	1.41	3.655	0.886		20:15	18.74	1.34	3.168	2.517	
7:45	19.90	1.39	3.561	0.923		20:30	18.67	1.33	3.146	2.550	
8:00	19.60	1.38	3.458	0.959		20:45	18.64	1.33	3.137	2.583	
8:15	19.69	1.38	3.488	0.996		21:00	18.51	1.33	3.093	2.615	
8:30	19.48	1.37	3.418	1.031		21:15	18.48	1.33	3.082	2.647	
8:45	19.30	1.37	3.355	1.066		21:30	18.31	1.32	3.027	2.679	
9:00	19.21	1.36	3.326	1.101		21:45	18.18	1.31	2.984	2.710	
9:15	18.94	1.35	3.237	1.135		22:00	18.27	1.32	3.015	2.741	
9:30	18.92	1.35	3.228	1.168		22:15	17.98	1.30	2.921	2.772	
9:45	18.72	1.34	3.161	1.201		22:30	17.80	1.29	2.862	2.802	
10:00	18.63	1.33	3.133	1.234		22:45	17.58	1.28	2.792	2.831	
10:15	18.61	1.33	3.127	1.266		23:00	17.47	1.27	2.757	2.859	
10:30	18.41	1.32	3.061	1.298		23:15	17.31	1.27	2.704	2.887	
10:45	18.47	1.32	3.078	1.330		23:30	17.20	1.26	2.671	2.915	
11:00	18.69	1.34	3.152	1.363		23:45	17.04	1.25	2.621	2.943	
11:15	18.49	1.33	3.087	1.395		<b>Daily Totals:</b>		2.621		<b>2.943</b>	<b>0.00</b>
11:30	18.16	1.31	2.980	1.426		<b>Data reported every:</b>	15 Minutes				
11:45	18.25	1.31	3.009	1.458							
12:00	18.21	1.31	2.996	1.489							
12:15	18.27	1.31	3.013	1.520							



# Daily Flow Report



Site:

3

Middlesex Circle Easement

Waltham, MA

36" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/18/2014</b>						12:30	18.02	1.30	2.933	1.449	
0:00	16.86	1.24	2.565	0.027		12:45	17.85	1.29	2.878	1.479	
0:15	16.67	1.23	2.507	0.053		13:00	17.86	1.29	2.882	1.509	
0:30	16.60	1.23	2.484	0.079		13:15	17.86	1.29	2.882	1.539	
0:45	16.38	1.22	2.416	0.104		13:30	17.97	1.30	2.916	1.569	
1:00	16.37	1.22	2.412	0.129		13:45	17.78	1.29	2.856	1.599	
1:15	16.25	1.21	2.377	0.154		14:00	17.66	1.28	2.818	1.629	
1:30	16.05	1.20	2.316	0.178		14:15	17.61	1.28	2.802	1.658	
1:45	16.09	1.20	2.330	0.202		14:30	17.49	1.27	2.761	1.687	
2:00	15.87	1.19	2.264	0.226		14:45	17.59	1.28	2.793	1.716	
2:15	15.89	1.19	2.270	0.249		15:00	17.61	1.28	2.801	1.745	
2:30	15.82	1.19	2.250	0.273		15:15	17.39	1.27	2.730	1.773	
2:45	15.81	1.18	2.246	0.296		15:30	17.41	1.27	2.737	1.802	
3:00	15.77	1.18	2.232	0.319		15:45	17.46	1.27	2.752	1.830	
3:15	15.72	1.18	2.219	0.343		16:00	17.46	1.27	2.754	1.859	
3:30	15.74	1.18	2.225	0.366		16:15	17.65	1.28	2.814	1.888	
3:45	15.68	1.18	2.208	0.389		16:30	17.61	1.28	2.802	1.918	
4:00	15.76	1.18	2.231	0.412		16:45	17.67	1.28	2.821	1.947	
4:15	15.70	1.18	2.214	0.435		17:00	17.71	1.29	2.832	1.976	
4:30	15.78	1.18	2.237	0.458		17:15	17.72	1.29	2.837	2.006	
4:45	15.88	1.19	2.268	0.482		17:30	17.82	1.29	2.870	2.036	
5:00	15.97	1.19	2.294	0.506		17:45	17.93	1.30	2.905	2.066	
5:15	16.10	1.20	2.332	0.530		18:00	17.83	1.29	2.872	2.096	
5:30	16.52	1.22	2.459	0.556		18:15	17.96	1.30	2.915	2.126	
5:45	16.85	1.24	2.562	0.582		18:30	17.95	1.30	2.909	2.157	
6:00	17.23	1.26	2.681	0.610		18:45	18.06	1.30	2.946	2.187	
6:15	17.59	1.28	2.793	0.639		19:00	18.06	1.30	2.945	2.218	
6:30	18.05	1.30	2.943	0.670		19:15	17.96	1.30	2.915	2.248	
6:45	18.29	1.32	3.021	0.702		19:30	17.99	1.30	2.924	2.279	
7:00	18.63	1.33	3.131	0.734		19:45	17.87	1.29	2.884	2.309	
7:15	18.96	1.35	3.242	0.768		20:00	17.86	1.29	2.880	2.339	
7:30	19.13	1.36	3.300	0.802		20:15	17.84	1.29	2.874	2.369	
7:45	19.12	1.36	3.296	0.837		20:30	17.64	1.28	2.811	2.398	
8:00	19.11	1.36	3.293	0.871		20:45	17.56	1.28	2.786	2.427	
8:15	18.98	1.35	3.249	0.905		21:00	17.45	1.27	2.750	2.456	
8:30	19.10	1.36	3.288	0.939		21:15	17.36	1.27	2.721	2.484	
8:45	18.95	1.35	3.238	0.973		21:30	17.37	1.27	2.723	2.513	
9:00	18.80	1.34	3.189	1.006		21:45	17.39	1.27	2.730	2.541	
9:15	18.79	1.34	3.187	1.039		22:00	17.38	1.27	2.728	2.569	
9:30	18.72	1.34	3.162	1.072		22:15	17.18	1.26	2.665	2.597	
9:45	18.58	1.33	3.116	1.105		22:30	17.12	1.26	2.644	2.625	
10:00	18.40	1.32	3.056	1.136		22:45	17.05	1.25	2.623	2.652	
10:15	18.45	1.32	3.072	1.168		23:00	16.97	1.25	2.598	2.679	
10:30	18.49	1.33	3.087	1.201		23:15	16.83	1.24	2.555	2.706	
10:45	18.41	1.32	3.060	1.233		23:30	16.69	1.23	2.511	2.732	
11:00	18.31	1.32	3.027	1.264		23:45	16.47	1.22	2.445	2.757	
11:15	18.22	1.31	2.999	1.295		<b>Daily Totals:</b>		2.445		2.757	0.00
11:30	18.21	1.31	2.995	1.326		<b>Data reported every:</b>	15 Minutes				
11:45	18.10	1.31	2.959	1.357							
12:00	18.07	1.31	2.950	1.388							
12:15	18.00	1.30	2.927	1.419							

# Daily Flow Report



Site:

3

Middlesex Circle Easement

Waltham, MA

36" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/19/2014</b>						12:30	17.92	1.30	2.902	1.358	
0:00	16.44	1.22	2.434	0.025		12:45	17.99	1.30	2.922	1.388	
0:15	16.30	1.21	2.391	0.050		13:00	17.76	1.29	2.850	1.418	
0:30	16.18	1.21	2.356	0.075		13:15	17.68	1.28	2.822	1.447	
0:45	16.01	1.20	2.305	0.099		13:30	17.63	1.28	2.808	1.476	
1:00	15.92	1.19	2.277	0.123		13:45	17.63	1.28	2.807	1.506	
1:15	15.77	1.18	2.235	0.146		14:00	17.57	1.28	2.788	1.535	
1:30	15.71	1.18	2.216	0.169		14:15	17.55	1.28	2.781	1.564	
1:45	15.61	1.17	2.185	0.192		14:30	17.42	1.27	2.740	1.592	
2:00	15.57	1.17	2.174	0.214		14:45	17.49	1.28	2.763	1.621	
2:15	15.47	1.17	2.147	0.237		15:00	17.44	1.27	2.748	1.650	
2:30	15.47	1.17	2.147	0.259		15:15	17.50	1.28	2.765	1.678	
2:45	15.52	1.17	2.160	0.282		15:30	17.43	1.27	2.745	1.707	
3:00	15.38	1.16	2.121	0.304		15:45	17.33	1.27	2.711	1.735	
3:15	15.42	1.16	2.132	0.326		16:00	17.26	1.26	2.691	1.763	
3:30	15.27	1.15	2.089	0.348		16:15	17.28	1.26	2.695	1.791	
3:45	15.23	1.15	2.077	0.369		16:30	17.39	1.27	2.730	1.820	
4:00	15.33	1.16	2.106	0.391		16:45	17.37	1.27	2.726	1.848	
4:15	15.23	1.15	2.075	0.413		17:00	17.29	1.26	2.700	1.876	
4:30	15.29	1.16	2.093	0.435		17:15	17.39	1.27	2.731	1.905	
4:45	15.28	1.15	2.092	0.456		17:30	17.38	1.27	2.729	1.933	
5:00	15.39	1.16	2.123	0.478		17:45	17.42	1.27	2.740	1.962	
5:15	15.43	1.16	2.133	0.501		18:00	17.39	1.27	2.732	1.990	
5:30	15.50	1.17	2.155	0.523		18:15	17.34	1.27	2.716	2.018	
5:45	15.62	1.17	2.190	0.546		18:30	17.33	1.27	2.713	2.047	
6:00	15.77	1.18	2.234	0.569		18:45	17.31	1.27	2.706	2.075	
6:15	16.02	1.20	2.309	0.593		19:00	17.27	1.26	2.692	2.103	
6:30	16.15	1.20	2.348	0.618		19:15	17.28	1.26	2.696	2.131	
6:45	16.46	1.22	2.440	0.643		19:30	17.34	1.27	2.716	2.159	
7:00	16.79	1.24	2.542	0.670		19:45	17.23	1.26	2.681	2.187	
7:15	17.19	1.26	2.669	0.697		20:00	17.08	1.25	2.632	2.215	
7:30	17.25	1.26	2.685	0.725		20:15	17.21	1.26	2.674	2.242	
7:45	17.50	1.28	2.766	0.754		20:30	17.15	1.26	2.656	2.270	
8:00	17.95	1.30	2.910	0.785		20:45	17.02	1.25	2.613	2.297	
8:15	18.06	1.30	2.946	0.815		21:00	17.00	1.25	2.608	2.325	
8:30	18.41	1.32	3.060	0.847		21:15	16.87	1.24	2.568	2.351	
8:45	18.50	1.33	3.088	0.879		21:30	16.82	1.24	2.552	2.378	
9:00	18.49	1.33	3.087	0.911		21:45	16.86	1.24	2.563	2.405	
9:15	18.54	1.33	3.102	0.944		22:00	16.78	1.24	2.539	2.431	
9:30	18.56	1.33	3.109	0.976		22:15	16.70	1.23	2.516	2.457	
9:45	18.58	1.33	3.117	1.009		22:30	16.66	1.23	2.501	2.483	
10:00	18.64	1.33	3.134	1.041		22:45	16.46	1.22	2.442	2.509	
10:15	18.52	1.33	3.098	1.073		23:00	16.38	1.22	2.415	2.534	
10:30	18.56	1.33	3.111	1.106		23:15	16.32	1.21	2.399	2.559	
10:45	18.73	1.34	3.167	1.139		23:30	16.07	1.20	2.323	2.583	
11:00	18.59	1.33	3.121	1.171		23:45	15.92	1.19	2.277	2.607	
11:15	18.46	1.32	3.075	1.203		<b>Daily Totals:</b>		2.277		2.607	0.00
11:30	18.34	1.32	3.038	1.235		<b>Data reported every:</b>	15 Minutes				
11:45	18.23	1.31	3.003	1.266							
12:00	18.14	1.31	2.973	1.297							
12:15	17.87	1.29	2.884	1.327							

# Daily Flow Report



Site:

3

Middlesex Circle Easement

Waltham, MA

36" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/20/2014</b>						12:30	17.57	1.18	2.571	1.261	
0:00	15.78	1.18	2.236	0.023		12:45	17.47	1.27	2.757	1.290	
0:15	15.70	1.18	2.212	0.046		13:00	17.37	1.27	2.726	1.319	
0:30	15.49	1.17	2.152	0.069		13:15	17.40	1.18	2.538	1.345	
0:45	15.25	1.15	2.082	0.090		13:30	17.23	1.26	2.679	1.373	
1:00	15.24	1.15	2.079	0.112		13:45	17.11	1.26	2.641	1.400	
1:15	15.07	1.14	2.031	0.133		14:00	16.95	1.25	2.592	1.427	
1:30	15.03	1.14	2.020	0.154		14:15	16.87	1.24	2.567	1.454	
1:45	14.95	1.14	1.997	0.175		14:30	16.74	1.24	2.528	1.480	
2:00	14.88	1.13	1.977	0.196		14:45	16.64	1.23	2.496	1.506	
2:15	14.85	1.13	1.968	0.216		15:00	16.57	1.23	2.473	1.532	
2:30	14.84	1.13	1.965	0.237		15:15	16.59	1.23	2.480	1.558	
2:45	14.72	1.12	1.933	0.257		15:30	16.49	1.22	2.451	1.584	
3:00	14.64	1.12	1.911	0.277		15:45	16.63	1.23	2.493	1.610	
3:15	14.62	1.12	1.904	0.297		16:00	16.62	1.23	2.490	1.635	
3:30	14.64	1.12	1.911	0.316		16:15	16.61	1.23	2.487	1.661	
3:45	14.57	1.11	1.891	0.336		16:30	16.52	1.22	2.461	1.687	
4:00	14.56	1.11	1.887	0.356		16:45	16.59	1.19	2.409	1.712	
4:15	14.60	1.12	1.900	0.376		17:00	16.59	1.23	2.480	1.738	
4:30	14.48	1.11	1.866	0.395		17:15	16.62	1.14	2.298	1.762	
4:45	14.57	1.11	1.890	0.415		17:30	16.58	1.23	2.479	1.788	
5:00	14.67	1.12	1.918	0.435		17:45	16.63	1.23	2.492	1.814	
5:15	14.60	1.11	1.898	0.454		18:00	16.60	1.23	2.483	1.840	
5:30	14.72	1.12	1.933	0.475		18:15	16.85	1.24	2.562	1.866	
5:45	14.78	1.13	1.950	0.495		18:30	16.86	1.24	2.566	1.893	
6:00	14.88	1.13	1.975	0.515		18:45	16.93	1.25	2.585	1.920	
6:15	15.10	1.14	2.040	0.537		19:00	17.01	1.25	2.612	1.947	
6:30	15.39	1.16	2.121	0.559		19:15	16.97	1.22	2.534	1.973	
6:45	15.62	1.17	2.191	0.582		19:30	17.03	1.11	2.323	1.998	
7:00	15.89	1.19	2.269	0.605		19:45	17.10	1.26	2.640	2.025	
7:15	16.15	1.20	2.346	0.630		20:00	17.01	1.25	2.612	2.052	
7:30	16.27	1.21	2.385	0.655		20:15	17.07	1.25	2.631	2.080	
7:45	16.69	1.23	2.513	0.681		20:30	16.87	1.24	2.567	2.107	
8:00	17.09	1.25	2.638	0.708		20:45	16.81	1.24	2.549	2.133	
8:15	17.39	1.27	2.729	0.737		21:00	16.77	1.24	2.537	2.159	
8:30	17.74	1.29	2.841	0.766		21:15	16.75	1.24	2.530	2.186	
8:45	17.97	1.30	2.918	0.797		21:30	16.62	1.23	2.491	2.212	
9:00	18.12	1.31	2.965	0.827		21:45	16.45	1.22	2.438	2.237	
9:15	18.21	1.31	2.994	0.859		22:00	16.46	1.22	2.441	2.263	
9:30	18.42	1.32	3.064	0.891		22:15	16.39	1.22	2.419	2.288	
9:45	18.47	1.33	3.081	0.923		22:30	16.42	1.22	2.430	2.313	
10:00	18.36	1.32	3.043	0.954		22:45	16.30	1.21	2.393	2.338	
10:15	18.38	1.32	3.051	0.986		23:00	16.06	1.20	2.319	2.362	
10:30	18.53	1.33	3.101	1.018		23:15	15.82	1.19	2.248	2.386	
10:45	18.34	1.32	3.038	1.050		23:30	15.66	1.18	2.201	2.409	
11:00	18.33	1.32	3.032	1.082		23:45	15.51	1.17	2.157	2.431	
11:15	18.23	1.31	3.002	1.113		<b>Daily Totals:</b>		2.157		<b>2.431</b>	<b>0.00</b>
11:30	18.16	1.31	2.980	1.144		<b>Data reported every:</b>	15 Minutes				
11:45	18.11	1.31	2.961	1.175							
12:00	17.90	1.30	2.894	1.205							
12:15	17.74	1.29	2.844	1.235							

# Daily Flow Report



Site:

3

Middlesex Circle Easement

Waltham, MA

36" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/21/2014</b>						12:30	17.04	1.29	2.693	1.213	
0:00	15.46	1.16	2.142	0.022		12:45	16.99	1.25	2.604	1.240	
0:15	15.40	1.16	2.124	0.044		13:00	16.92	1.25	2.582	1.267	
0:30	15.20	1.15	2.067	0.066		13:15	16.85	1.24	2.561	1.293	
0:45	15.00	1.14	2.011	0.087		13:30	16.73	1.15	2.345	1.318	
1:00	14.98	1.14	2.005	0.108		13:45	16.84	1.18	2.438	1.343	
1:15	14.76	1.12	1.942	0.128		14:00	16.71	1.26	2.571	1.370	
1:30	14.66	1.12	1.916	0.148		14:15	16.45	1.13	2.263	1.393	
1:45	14.69	1.12	1.924	0.168		14:30	16.43	1.18	2.346	1.418	
2:00	14.54	1.11	1.881	0.188		14:45	16.50	1.22	2.455	1.443	
2:15	14.51	1.11	1.874	0.207		15:00	16.38	1.22	2.415	1.469	
2:30	14.54	1.11	1.883	0.227		15:15	16.45	1.22	2.439	1.494	
2:45	14.42	1.10	1.848	0.246		15:30	16.39	1.22	2.419	1.519	
3:00	14.44	1.11	1.854	0.265		15:45	16.27	1.21	2.385	1.544	
3:15	14.48	1.11	1.865	0.285		16:00	16.21	1.20	2.346	1.569	
3:30	14.35	1.10	1.829	0.304		16:15	16.39	1.14	2.264	1.592	
3:45	14.45	1.11	1.858	0.323		16:30	16.43	1.22	2.431	1.617	
4:00	14.44	1.11	1.855	0.342		16:45	16.50	1.22	2.454	1.643	
4:15	14.44	1.11	1.855	0.362		17:00	16.74	1.24	2.527	1.669	
4:30	14.51	1.11	1.873	0.381		17:15	16.66	1.23	2.502	1.695	
4:45	14.55	1.11	1.886	0.401		17:30	16.79	1.24	2.543	1.722	
5:00	14.71	1.12	1.928	0.421		17:45	16.88	1.23	2.541	1.748	
5:15	14.78	1.13	1.949	0.441		18:00	16.90	1.24	2.576	1.775	
5:30	15.02	1.14	2.017	0.462		18:15	17.09	1.25	2.636	1.803	
5:45	15.14	1.15	2.051	0.484		18:30	17.18	1.26	2.669	1.830	
6:00	15.41	1.16	2.127	0.506		18:45	17.11	1.26	2.641	1.858	
6:15	15.82	1.19	2.249	0.529		19:00	17.18	1.26	2.673	1.886	
6:30	16.04	1.20	2.315	0.553		19:15	17.39	1.18	2.546	1.912	
6:45	16.39	1.22	2.420	0.579		19:30	17.38	1.27	2.727	1.941	
7:00	16.65	1.23	2.498	0.605		19:45	17.45	1.19	2.569	1.967	
7:15	16.97	1.25	2.600	0.632		20:00	17.28	1.26	2.681	1.995	
7:30	17.13	1.17	2.469	0.657		20:15	17.27	1.26	2.691	2.023	
7:45	17.48	1.12	2.426	0.683		20:30	17.30	1.27	2.701	2.052	
8:00	17.45	1.14	2.470	0.708		20:45	17.33	1.26	2.691	2.080	
8:15	17.47	1.11	2.393	0.733		21:00	17.02	1.25	2.614	2.107	
8:30	17.72	1.13	2.497	0.759		21:15	16.87	1.24	2.568	2.134	
8:45	17.59	1.28	2.795	0.788		21:30	16.90	1.24	2.576	2.160	
9:00	17.53	1.28	2.775	0.817		21:45	16.76	1.24	2.533	2.187	
9:15	17.66	1.28	2.817	0.847		22:00	16.61	1.22	2.463	2.212	
9:30	17.79	1.29	2.857	0.877		22:15	16.51	1.27	2.552	2.239	
9:45	17.62	1.28	2.804	0.906		22:30	16.31	1.21	2.395	2.264	
10:00	17.60	1.28	2.797	0.935		22:45	16.06	1.25	2.419	2.289	
10:15	17.65	1.28	2.815	0.964		23:00	16.06	1.19	2.311	2.313	
10:30	17.49	1.27	2.761	0.993		23:15	15.90	1.22	2.331	2.338	
10:45	17.47	1.27	2.755	1.022		23:30	15.67	1.18	2.205	2.361	
11:00	17.38	1.27	2.728	1.050		23:45	15.50	1.17	2.153	2.383	
11:15	17.30	1.15	2.458	1.076		<b>Daily Totals:</b>		2.153		<b>2.383</b>	<b>0.00</b>
11:30	17.30	1.27	2.703	1.104		<b>Data reported every:</b>	15 Minutes				
11:45	17.20	1.22	2.584	1.131							
12:00	16.94	1.25	2.590	1.158							
12:15	16.90	1.24	2.578	1.185							

# Daily Flow Report



Site:

3

Middlesex Circle Easement

Waltham, MA

36" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/22/2014</b>						12:30	16.36	1.15	2.279	1.181	
0:00	15.36	1.25	2.285	0.024		12:45	16.31	1.20	2.360	1.206	
0:15	15.25	1.24	2.239	0.047		13:00	16.37	1.11	2.205	1.229	
0:30	15.01	1.14	2.014	0.068		13:15	16.25	1.21	2.376	1.253	
0:45	14.82	1.13	1.959	0.089		13:30	16.20	1.23	2.401	1.278	
1:00	14.70	1.12	1.927	0.109		13:45	16.15	1.16	2.262	1.302	
1:15	14.60	1.12	1.899	0.128		14:00	16.04	1.21	2.345	1.326	
1:30	14.49	1.11	1.868	0.148		14:15	16.00	1.20	2.304	1.350	
1:45	14.34	1.10	1.826	0.167		14:30	15.92	1.19	2.277	1.374	
2:00	14.32	1.10	1.823	0.186		14:45	16.03	1.11	2.143	1.396	
2:15	14.39	1.10	1.840	0.205		15:00	15.92	1.19	2.279	1.420	
2:30	14.24	1.09	1.800	0.224		15:15	15.81	1.24	2.358	1.445	
2:45	14.12	1.09	1.768	0.242		15:30	15.94	1.16	2.219	1.468	
3:00	14.18	1.09	1.785	0.261		15:45	15.87	1.13	2.147	1.490	
3:15	14.11	1.09	1.766	0.279		16:00	15.86	1.10	2.097	1.512	
3:30	14.13	1.09	1.771	0.298		16:15	16.02	1.18	2.267	1.536	
3:45	14.20	1.09	1.789	0.316		16:30	16.03	1.24	2.393	1.561	
4:00	14.21	1.09	1.791	0.335		16:45	15.95	1.14	2.186	1.583	
4:15	14.25	1.09	1.801	0.354		17:00	16.11	1.20	2.338	1.608	
4:30	14.32	1.10	1.822	0.373		17:15	16.13	1.20	2.342	1.632	
4:45	14.34	1.10	1.827	0.392		17:30	16.36	1.14	2.259	1.656	
5:00	14.57	1.20	2.043	0.413		17:45	16.55	1.23	2.470	1.681	
5:15	14.79	1.13	1.951	0.433		18:00	16.63	1.20	2.442	1.707	
5:30	15.07	1.19	2.106	0.455		18:15	16.61	1.25	2.529	1.733	
5:45	15.35	1.19	2.176	0.478		18:30	16.73	1.23	2.513	1.759	
6:00	15.78	1.18	2.237	0.501		18:45	16.69	1.21	2.467	1.785	
6:15	16.25	1.22	2.406	0.526		19:00	16.79	1.25	2.563	1.812	
6:30	16.66	1.14	2.324	0.550		19:15	16.93	1.18	2.457	1.837	
6:45	17.21	1.17	2.482	0.576		19:30	16.99	1.25	2.606	1.865	
7:00	17.53	1.12	2.426	0.602		19:45	16.89	1.20	2.477	1.890	
7:15	17.86	1.29	2.882	0.632		20:00	16.96	1.31	2.719	1.919	
7:30	17.92	1.14	2.553	0.658		20:15	16.91	1.24	2.560	1.945	
7:45	17.87	1.29	2.885	0.688		20:30	16.87	1.24	2.569	1.972	
8:00	17.76	1.23	2.711	0.717		20:45	16.87	1.24	2.561	1.999	
8:15	17.79	1.14	2.517	0.743		21:00	16.86	1.18	2.428	2.024	0.02
8:30	17.76	1.11	2.452	0.768		21:15	16.63	1.21	2.459	2.050	0.01
8:45	17.78	1.22	2.694	0.796		21:30	16.50	1.25	2.506	2.076	0.01
9:00	17.63	1.19	2.604	0.823		21:45	16.67	1.33	2.708	2.104	
9:15	17.50	1.21	2.623	0.851		22:00	16.54	1.28	2.578	2.131	
9:30	17.25	1.26	2.688	0.879		22:15	16.29	1.16	2.291	2.155	
9:45	17.07	1.18	2.471	0.905		22:30	16.16	1.23	2.406	2.180	
10:00	16.79	1.12	2.289	0.928		22:45	16.03	1.23	2.372	2.204	
10:15	16.72	1.23	2.519	0.955		23:00	15.77	1.18	2.234	2.228	
10:30	16.80	1.24	2.546	0.981		23:15	15.63	1.17	2.193	2.251	
10:45	16.76	1.24	2.533	1.008		23:30	15.52	1.26	2.335	2.275	
11:00	16.77	1.24	2.537	1.034		23:45	15.22	1.15	2.074	2.297	
11:15	16.58	1.24	2.508	1.060		<b>Daily Totals:</b>		2.074		2.297	0.04
11:30	16.66	1.23	2.504	1.086		<b>Data reported every:</b>	15 Minutes				
11:45	16.59	1.12	2.259	1.110							
12:00	16.60	1.17	2.368	1.134							
12:15	16.51	1.10	2.213	1.157							

# Daily Flow Report



Site:

3

Middlesex Circle Easement

Waltham, MA

36" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/23/2014</b>						12:30	16.72	1.23	2.514	1.208	0.01
0:00	15.05	1.24	2.207	0.023		12:45	16.93	1.23	2.551	1.235	0.01
0:15	14.88	1.13	1.977	0.044		13:00	17.01	1.25	2.612	1.262	
0:30	14.69	1.12	1.923	0.064		13:15	17.08	1.20	2.525	1.288	
0:45	14.63	1.12	1.906	0.083		13:30	17.11	1.19	2.511	1.315	
1:00	14.59	1.13	1.914	0.103		13:45	16.97	1.25	2.597	1.342	
1:15	14.44	1.11	1.854	0.123		14:00	16.78	1.24	2.539	1.368	
1:30	14.36	1.10	1.834	0.142		14:15	16.84	1.26	2.589	1.395	
1:45	14.17	1.09	1.782	0.160		14:30	16.70	1.25	2.540	1.421	
2:00	14.05	1.08	1.748	0.179		14:45	16.63	1.28	2.599	1.449	
2:15	14.05	1.17	1.886	0.198		15:00	16.57	1.19	2.393	1.473	
2:30	13.99	1.17	1.885	0.218		15:15	16.54	1.13	2.270	1.497	
2:45	13.88	1.07	1.704	0.236		15:30	16.72	1.11	2.270	1.521	
3:00	13.95	1.08	1.721	0.254		15:45	16.62	1.13	2.288	1.545	
3:15	13.95	1.08	1.723	0.272		16:00	16.58	1.18	2.378	1.569	
3:30	13.86	1.07	1.697	0.289		16:15	16.53	1.27	2.557	1.596	
3:45	13.99	1.08	1.733	0.307		16:30	16.61	1.22	2.465	1.622	
4:00	13.97	1.15	1.847	0.326		16:45	16.51	1.25	2.500	1.648	
4:15	13.97	1.08	1.727	0.344		17:00	16.47	1.27	2.532	1.674	
4:30	14.04	1.08	1.745	0.363		17:15	16.80	1.24	2.541	1.701	
4:45	14.05	1.08	1.748	0.381		17:30	16.83	1.24	2.554	1.727	
5:00	14.18	1.09	1.784	0.399		17:45	16.86	1.25	2.582	1.754	
5:15	14.40	1.10	1.843	0.419		18:00	16.89	1.13	2.346	1.779	
5:30	14.65	1.12	1.914	0.439		18:15	16.97	1.22	2.542	1.805	
5:45	15.05	1.26	2.234	0.462		18:30	17.10	1.27	2.660	1.833	
6:00	15.45	1.21	2.219	0.485		18:45	17.14	1.31	2.762	1.861	
6:15	16.14	1.20	2.344	0.509		19:00	16.96	1.29	2.693	1.890	
6:30	16.49	1.22	2.456	0.535		19:15	17.07	1.28	2.686	1.918	
6:45	16.94	1.25	2.588	0.562		19:30	17.20	1.27	2.682	1.945	
7:00	17.11	1.22	2.566	0.589		19:45	17.10	1.24	2.610	1.973	
7:15	17.38	1.27	2.726	0.617		20:00	17.00	1.22	2.540	1.999	
7:30	17.53	1.24	2.684	0.645	0.01	20:15	17.03	1.25	2.606	2.026	
7:45	17.57	1.28	2.788	0.674	0.05	20:30	16.90	1.28	2.640	2.054	
8:00	17.52	1.22	2.654	0.702	0.07	20:45	16.83	1.22	2.516	2.080	
8:15	17.42	1.27	2.740	0.730	0.06	21:00	16.93	1.30	2.704	2.108	
8:30	17.27	1.26	2.691	0.758	0.05	21:15	16.70	1.25	2.547	2.135	
8:45	17.60	1.21	2.642	0.786	0.02	21:30	16.51	1.11	2.231	2.158	
9:00	17.74	1.29	2.844	0.815		21:45	16.49	1.14	2.278	2.182	
9:15	17.69	1.26	2.763	0.844	0.02	22:00	16.50	1.16	2.330	2.206	
9:30	17.87	1.28	2.848	0.874	0.02	22:15	16.28	1.19	2.340	2.230	
9:45	17.96	1.30	2.913	0.904	0.03	22:30	16.34	1.26	2.501	2.256	
10:00	17.90	1.24	2.774	0.933	0.01	22:45	16.15	1.20	2.347	2.281	
10:15	17.61	1.18	2.588	0.960		23:00	15.90	1.26	2.414	2.306	
10:30	17.53	1.13	2.461	0.986		23:15	15.68	1.22	2.292	2.330	
10:45	17.60	1.28	2.798	1.015		23:30	15.56	1.18	2.191	2.353	
11:00	17.55	1.30	2.829	1.044		23:45	15.43	1.25	2.299	2.377	
11:15	17.32	1.27	2.708	1.073		<b>Daily Totals:</b>		2.299		<b>2.377</b>	<b>0.47</b>
11:30	17.19	1.26	2.676	1.100	0.02	<b>Data reported every:</b>	15 Minutes				
11:45	17.02	1.25	2.614	1.128	0.02						
12:00	17.03	1.26	2.625	1.155	0.04						
12:15	16.78	1.27	2.607	1.182	0.03						

# Daily Flow Report



Site:

3  
Middlesex Circle Easement Waltham, MA 36" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/24/2014</b>						12:30	16.08	1.24	2.405	1.206	
0:00	15.22	1.15	2.074	0.022		12:45	16.03	1.24	2.385	1.231	
0:15	15.02	1.13	1.992	0.042		13:00	15.89	1.27	2.425	1.256	
0:30	14.85	1.17	2.045	0.064		13:15	15.91	1.25	2.384	1.281	
0:45	14.67	1.15	1.962	0.084		13:30	15.96	1.28	2.458	1.306	
1:00	14.60	1.15	1.959	0.104		13:45	15.94	1.14	2.180	1.329	0.01
1:15	14.46	1.21	2.040	0.126		14:00	15.94	1.18	2.266	1.353	
1:30	14.31	1.15	1.906	0.146		14:15	15.99	1.19	2.298	1.377	
1:45	14.39	1.16	1.940	0.166		14:30	16.06	1.20	2.320	1.401	
2:00	14.27	1.10	1.807	0.185		14:45	15.94	1.15	2.206	1.424	
2:15	14.22	1.20	1.965	0.205		15:00	15.90	1.19	2.273	1.447	
2:30	14.12	1.09	1.767	0.224		15:15	15.88	1.19	2.265	1.471	
2:45	14.08	1.18	1.905	0.243		15:30	15.88	1.19	2.268	1.495	
3:00	14.08	1.13	1.828	0.262		15:45	15.96	1.19	2.290	1.518	
3:15	14.03	1.08	1.742	0.281		16:00	15.96	1.14	2.186	1.541	
3:30	14.08	1.19	1.931	0.301		16:15	15.96	1.19	2.289	1.565	
3:45	13.97	1.08	1.728	0.319		16:30	16.02	1.19	2.290	1.589	
4:00	14.02	1.14	1.842	0.338		16:45	15.94	1.18	2.262	1.612	
4:15	14.08	1.08	1.756	0.356		17:00	16.02	1.17	2.265	1.636	
4:30	14.06	1.17	1.891	0.376		17:15	16.32	1.12	2.216	1.659	
4:45	14.24	1.09	1.799	0.395		17:30	16.32	1.34	2.644	1.687	
5:00	14.37	1.18	1.964	0.415		17:45	16.40	1.31	2.612	1.714	
5:15	14.53	1.11	1.878	0.435		18:00	16.45	1.29	2.584	1.741	
5:30	14.87	1.13	1.975	0.455		18:15	16.71	1.40	2.855	1.771	
5:45	15.26	1.26	2.271	0.479		18:30	16.73	1.12	2.281	1.794	
6:00	15.63	1.21	2.267	0.502		18:45	16.83	1.13	2.335	1.819	
6:15	16.08	1.18	2.297	0.526		19:00	16.82	1.33	2.735	1.847	
6:30	16.55	1.23	2.469	0.552		19:15	16.79	1.24	2.542	1.874	
6:45	16.83	1.34	2.763	0.581		19:30	16.80	1.15	2.361	1.898	
7:00	17.22	1.23	2.599	0.608		19:45	16.54	1.24	2.505	1.924	
7:15	17.68	1.26	2.762	0.637		20:00	16.73	1.29	2.639	1.952	
7:30	17.74	1.38	3.052	0.668		20:15	16.79	1.24	2.544	1.978	
7:45	17.49	1.18	2.555	0.695		20:30	16.71	1.23	2.519	2.004	
8:00	17.55	1.19	2.598	0.722		20:45	16.67	1.23	2.506	2.031	
8:15	17.54	1.23	2.677	0.750		21:00	16.44	1.24	2.466	2.056	
8:30	17.44	1.30	2.803	0.779		21:15	16.46	1.26	2.527	2.083	
8:45	17.36	1.27	2.728	0.808		21:30	16.37	1.32	2.626	2.110	
9:00	17.22	1.32	2.806	0.837		21:45	16.34	1.37	2.717	2.138	
9:15	17.09	1.24	2.610	0.864		22:00	16.12	1.23	2.397	2.163	
9:30	16.95	1.34	2.778	0.893		22:15	16.04	1.19	2.307	2.187	
9:45	16.76	1.24	2.535	0.919		22:30	15.91	1.22	2.336	2.212	
10:00	16.81	1.17	2.401	0.944		22:45	15.66	1.18	2.200	2.235	
10:15	16.63	1.26	2.555	0.971		23:00	15.65	1.18	2.198	2.257	
10:30	16.56	1.24	2.500	0.997		23:15	15.45	1.16	2.128	2.280	
10:45	16.50	1.25	2.513	1.023		23:30	15.28	1.20	2.165	2.302	
11:00	16.54	1.30	2.623	1.051		23:45	15.09	1.14	2.034	2.323	
11:15	16.46	1.27	2.536	1.077		<b>Daily Totals:</b>		2.034		<b>2.323</b>	<b>0.01</b>
11:30	16.24	1.21	2.367	1.102		<b>Data reported every:</b>	15 Minutes				
11:45	16.27	1.21	2.382	1.126							
12:00	16.20	1.40	2.742	1.155							
12:15	16.19	1.26	2.462	1.181							

# Daily Flow Report



Site:

3

Middlesex Circle Easement

Waltham, MA

36" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/25/2014</b>						12:30	16.14	1.20	2.344	1.200	
0:00	15.01	1.16	2.046	0.021		12:45	16.16	1.20	2.351	1.224	
0:15	14.77	1.19	2.064	0.043		13:00	16.06	1.20	2.320	1.249	
0:30	14.70	1.20	2.065	0.064		13:15	16.01	1.20	2.305	1.273	
0:45	14.57	1.11	1.891	0.084		13:30	16.00	1.19	2.301	1.296	
1:00	14.35	1.18	1.958	0.104		13:45	15.89	1.19	2.270	1.320	
1:15	14.26	1.22	2.007	0.125		14:00	15.93	1.19	2.282	1.344	
1:30	14.21	1.15	1.883	0.145		14:15	15.79	1.18	2.239	1.367	
1:45	14.06	1.24	2.008	0.166		14:30	15.74	1.18	2.225	1.390	
2:00	13.95	1.22	1.952	0.186		14:45	15.71	1.18	2.217	1.414	
2:15	13.97	1.20	1.918	0.206		15:00	15.73	1.18	2.221	1.437	
2:30	13.94	1.17	1.877	0.226		15:15	15.77	1.18	2.234	1.460	
2:45	13.78	1.26	1.983	0.246		15:30	15.90	1.19	2.274	1.484	
3:00	13.90	1.21	1.919	0.266		15:45	15.72	1.18	2.219	1.507	
3:15	13.76	1.27	1.999	0.287		16:00	15.83	1.19	2.250	1.530	
3:30	13.79	1.07	1.679	0.305		16:15	15.83	1.19	2.253	1.554	
3:45	13.81	1.07	1.686	0.322		16:30	15.85	1.19	2.258	1.577	
4:00	13.76	1.12	1.756	0.340		16:45	16.08	1.20	2.326	1.601	
4:15	13.69	1.16	1.801	0.359		17:00	16.24	1.21	2.374	1.626	
4:30	13.79	1.19	1.878	0.379		17:15	16.27	1.21	2.382	1.651	
4:45	13.89	1.20	1.904	0.399		17:30	16.30	1.21	2.392	1.676	
5:00	14.00	1.21	1.946	0.419		17:45	16.51	1.22	2.458	1.701	
5:15	14.21	1.23	2.024	0.440		18:00	16.42	1.22	2.430	1.727	
5:30	14.45	1.19	1.989	0.461		18:15	16.48	1.22	2.446	1.752	
5:45	14.98	1.14	2.004	0.482		18:30	16.61	1.23	2.486	1.778	
6:00	15.31	1.37	2.486	0.507		18:45	16.64	1.23	2.497	1.804	
6:15	15.75	1.34	2.517	0.534		19:00	16.53	1.22	2.461	1.830	
6:30	16.14	1.36	2.640	0.561		19:15	16.55	1.23	2.467	1.855	
6:45	16.55	1.38	2.771	0.590		19:30	16.53	1.22	2.464	1.881	
7:00	17.04	1.24	2.592	0.617		19:45	16.60	1.23	2.485	1.907	
7:15	17.06	1.24	2.601	0.644		20:00	16.55	1.23	2.470	1.933	
7:30	17.28	1.26	2.696	0.672		20:15	16.36	1.22	2.411	1.958	
7:45	17.38	1.27	2.726	0.701		20:30	16.39	1.22	2.419	1.983	
8:00	17.46	1.27	2.754	0.729		20:45	16.37	1.22	2.413	2.008	
8:15	17.53	1.28	2.776	0.758		21:00	16.20	1.21	2.363	2.033	
8:30	17.26	1.26	2.690	0.786		21:15	15.99	1.19	2.299	2.057	
8:45	17.21	1.26	2.674	0.814		21:30	16.05	1.20	2.316	2.081	
9:00	17.13	1.26	2.650	0.842		21:45	15.94	1.19	2.284	2.105	
9:15	17.04	1.25	2.619	0.869		22:00	15.79	1.18	2.240	2.128	
9:30	16.90	1.24	2.575	0.896		22:15	15.83	1.19	2.252	2.151	
9:45	16.85	1.24	2.560	0.922		22:30	15.68	1.18	2.207	2.174	
10:00	16.75	1.24	2.531	0.949		22:45	15.42	1.16	2.132	2.197	
10:15	16.63	1.23	2.494	0.975		23:00	15.48	1.17	2.149	2.219	
10:30	16.51	1.23	2.462	1.000		23:15	15.30	1.16	2.096	2.241	
10:45	16.48	1.22	2.446	1.026		23:30	15.08	1.14	2.034	2.262	
11:00	16.45	1.22	2.437	1.051		23:45	15.03	1.14	2.019	2.283	
11:15	16.48	1.22	2.446	1.077		<b>Daily Totals:</b>		2.019		<b>2.283</b>	<b>0.00</b>
11:30	16.32	1.21	2.400	1.102		<b>Data reported every:</b>	15 Minutes				
11:45	16.15	1.20	2.348	1.126							
12:00	16.14	1.20	2.344	1.151							
12:15	16.24	1.21	2.374	1.175							



# Daily Flow Report



Site:

3  
Middlesex Circle Easement Waltham, MA 36" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/26/2014</b>						12:30	17.26	1.26	2.690	1.156	0.01
0:00	14.93	1.13	1.992	0.021		12:45	17.25	1.26	2.687	1.184	
0:15	14.72	1.12	1.931	0.041		13:00	17.36	1.27	2.722	1.212	
0:30	14.69	1.12	1.924	0.061		13:15	17.26	1.26	2.689	1.240	
0:45	14.52	1.11	1.876	0.080		13:30	17.23	1.26	2.680	1.268	
1:00	14.34	1.10	1.827	0.099		13:45	17.07	1.25	2.630	1.296	
1:15	14.25	1.09	1.803	0.118		14:00	17.04	1.25	2.619	1.323	
1:30	14.27	1.10	1.807	0.137		14:15	16.80	1.24	2.544	1.349	
1:45	14.11	1.15	1.874	0.157		14:30	16.72	1.23	2.522	1.376	0.01
2:00	14.00	1.08	1.736	0.175		14:45	16.59	1.23	2.481	1.402	
2:15	13.90	1.07	1.710	0.192		15:00	16.53	1.22	2.464	1.427	
2:30	13.92	1.07	1.713	0.210		15:15	16.50	1.22	2.452	1.453	
2:45	13.91	1.07	1.710	0.228		15:30	16.32	1.21	2.397	1.478	
3:00	13.87	1.07	1.700	0.246		15:45	16.25	1.21	2.378	1.503	
3:15	13.82	1.07	1.688	0.263		16:00	16.28	1.18	2.326	1.527	
3:30	13.75	1.06	1.668	0.281		16:15	16.31	1.21	2.397	1.552	
3:45	13.69	1.16	1.808	0.300		16:30	16.38	1.22	2.415	1.577	
4:00	13.61	1.21	1.865	0.319		16:45	16.48	1.22	2.446	1.602	
4:15	13.65	1.06	1.643	0.336		17:00	16.41	1.22	2.427	1.628	
4:30	13.60	1.15	1.776	0.355		17:15	16.45	1.24	2.479	1.653	
4:45	13.55	1.23	1.889	0.374		17:30	16.36	1.23	2.434	1.679	
5:00	13.66	1.15	1.786	0.393		17:45	16.34	1.21	2.404	1.704	
5:15	13.83	1.07	1.691	0.411		18:00	16.39	1.22	2.421	1.729	
5:30	13.90	1.07	1.709	0.428		18:15	16.52	1.22	2.459	1.755	
5:45	14.06	1.32	2.140	0.451		18:30	16.34	1.21	2.405	1.780	
6:00	14.21	1.29	2.118	0.473		18:45	16.46	1.22	2.440	1.805	
6:15	14.29	1.19	1.968	0.493		19:00	16.57	1.14	2.309	1.829	
6:30	14.54	1.11	1.881	0.513		19:15	16.46	1.29	2.589	1.856	
6:45	14.77	1.12	1.938	0.533		19:30	16.44	1.17	2.337	1.881	
7:00	14.92	1.22	2.131	0.555		19:45	16.36	1.21	2.409	1.906	
7:15	15.25	1.32	2.390	0.580		20:00	16.20	1.21	2.362	1.930	
7:30	15.66	1.18	2.201	0.603	0.01	20:15	16.14	1.20	2.343	1.955	
7:45	15.77	1.18	2.232	0.626	0.01	20:30	16.13	1.20	2.342	1.979	
8:00	16.09	1.10	2.135	0.649	0.02	20:45	16.20	1.27	2.488	2.005	
8:15	16.40	1.15	2.287	0.672	0.01	21:00	16.09	1.21	2.354	2.029	
8:30	16.77	1.20	2.455	0.698	0.01	21:15	15.91	1.20	2.296	2.053	
8:45	16.94	1.25	2.590	0.725	0.03	21:30	15.90	1.19	2.270	2.077	
9:00	17.11	1.26	2.643	0.752	0.01	21:45	15.85	1.18	2.236	2.100	
9:15	17.20	1.26	2.670	0.780	0.01	22:00	15.82	1.22	2.317	2.124	
9:30	17.28	1.26	2.696	0.808	0.02	22:15	15.65	1.18	2.198	2.147	
9:45	17.45	1.27	2.750	0.837	0.01	22:30	15.62	1.17	2.189	2.170	
10:00	17.54	1.28	2.779	0.866	0.01	22:45	15.58	1.17	2.176	2.193	
10:15	17.41	1.27	2.737	0.894	0.01	23:00	15.39	1.16	2.123	2.215	
10:30	17.56	1.28	2.785	0.923	0.01	23:15	15.35	1.16	2.111	2.237	
10:45	17.83	1.29	2.871	0.953	0.01	23:30	15.19	1.15	2.066	2.258	
11:00	17.74	1.29	2.841	0.983	0.01	23:45	15.17	1.21	2.169	2.281	
11:15	17.50	1.28	2.766	1.012		<b>Daily Totals:</b>		2.169		<b>2.281</b>	<b>0.25</b>
11:30	17.62	1.28	2.803	1.041	0.01	<b>Data reported every:</b>	15 Minutes				
11:45	17.64	1.28	2.812	1.070	0.01						
12:00	17.58	1.28	2.791	1.099	0.01						
12:15	17.46	1.27	2.752	1.128	0.01						

# Daily Flow Report



Site:

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Middlesex Circle Easement

Waltham, MA

36" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/27/2014</b>						12:30	17.40	1.27	2.735	1.215	
0:00	15.12	1.15	2.044	0.021		12:45	17.30	1.21	2.584	1.242	
0:15	14.92	1.20	2.099	0.043	0.01	13:00	17.00	1.25	2.607	1.269	
0:30	14.68	1.13	1.945	0.063		13:15	16.99	1.24	2.586	1.296	
0:45	14.57	1.20	2.036	0.085	0.01	13:30	16.85	1.24	2.560	1.323	
1:00	14.52	1.20	2.019	0.106	0.01	13:45	16.90	1.24	2.569	1.349	
1:15	14.36	1.16	1.923	0.126	0.03	14:00	16.82	1.24	2.553	1.376	
1:30	14.26	1.14	1.874	0.145	0.05	14:15	16.76	1.24	2.534	1.402	
1:45	14.31	1.21	2.002	0.166	0.01	14:30	16.59	1.23	2.480	1.428	
2:00	14.28	1.27	2.090	0.188		14:45	16.60	1.23	2.485	1.454	
2:15	14.21	1.18	1.942	0.208		15:00	16.59	1.23	2.482	1.480	
2:30	14.32	1.10	1.821	0.227	0.01	15:15	16.42	1.22	2.428	1.505	
2:45	14.37	1.10	1.835	0.246		15:30	16.49	1.22	2.450	1.531	0.01
3:00	14.30	1.21	1.999	0.267		15:45	16.29	1.21	2.390	1.556	
3:15	14.33	1.28	2.122	0.289		16:00	16.40	1.22	2.424	1.581	
3:30	14.18	1.09	1.783	0.308		16:15	16.29	1.21	2.390	1.606	
3:45	14.10	1.09	1.763	0.326		16:30	16.43	1.22	2.431	1.631	
4:00	14.22	1.09	1.794	0.345		16:45	16.46	1.22	2.440	1.657	
4:15	14.21	1.25	2.052	0.366	0.01	17:00	16.61	1.23	2.487	1.682	
4:30	14.09	1.08	1.759	0.384		17:15	16.51	1.22	2.456	1.708	
4:45	14.10	1.09	1.763	0.403		17:30	16.65	1.23	2.498	1.734	
5:00	14.11	1.19	1.933	0.423		17:45	16.66	1.23	2.502	1.760	
5:15	14.19	1.13	1.848	0.442		18:00	16.63	1.23	2.493	1.786	
5:30	14.29	1.25	2.064	0.464		18:15	16.63	1.23	2.492	1.812	
5:45	14.27	1.13	1.872	0.483		18:30	16.81	1.24	2.549	1.839	
6:00	14.44	1.19	1.997	0.504		18:45	16.99	1.25	2.596	1.866	
6:15	14.71	1.12	1.929	0.524		19:00	17.02	1.25	2.614	1.893	
6:30	14.87	1.26	2.195	0.547		19:15	16.97	1.25	2.599	1.920	
6:45	15.05	1.19	2.114	0.569		19:30	17.14	1.26	2.651	1.948	
7:00	15.32	1.25	2.272	0.593		19:45	17.20	1.26	2.669	1.975	
7:15	15.70	1.28	2.397	0.618		20:00	17.19	1.26	2.668	2.003	
7:30	16.06	1.20	2.320	0.642		20:15	17.20	1.26	2.672	2.031	
7:45	16.12	1.23	2.393	0.667		20:30	17.16	1.26	2.657	2.059	
8:00	16.34	1.26	2.500	0.693		20:45	16.83	1.24	2.554	2.085	
8:15	16.57	1.23	2.474	0.718		21:00	16.72	1.23	2.522	2.112	
8:30	17.04	1.25	2.620	0.746		21:15	16.68	1.23	2.500	2.138	
8:45	17.14	1.26	2.652	0.773		21:30	16.49	1.22	2.451	2.163	
9:00	17.21	1.38	2.931	0.804		21:45	16.37	1.22	2.414	2.188	
9:15	17.39	1.33	2.864	0.834		22:00	16.46	1.22	2.442	2.214	
9:30	17.64	1.28	2.809	0.863		22:15	16.15	1.20	2.347	2.238	
9:45	17.75	1.29	2.845	0.893		22:30	15.93	1.19	2.281	2.262	
10:00	17.88	1.30	2.888	0.923		22:45	15.96	1.19	2.289	2.286	
10:15	17.86	1.29	2.882	0.953		23:00	15.60	1.17	2.183	2.308	
10:30	17.88	1.30	2.889	0.983		23:15	15.36	1.16	2.113	2.330	
10:45	17.94	1.25	2.795	1.012		23:30	15.21	1.15	2.072	2.352	
11:00	17.92	1.30	2.902	1.042		23:45	14.88	1.13	1.977	2.373	
11:15	17.90	1.30	2.895	1.072		<b>Daily Totals:</b>		1.977		<b>2.373</b>	<b>0.15</b>
11:30	17.77	1.29	2.852	1.102		<b>Data reported every:</b>	15 Minutes				
11:45	17.57	1.28	2.788	1.131							
12:00	17.40	1.27	2.735	1.160							
12:15	17.43	1.20	2.581	1.186							

# Daily Flow Report



Site:

3

Middlesex Circle Easement

Waltham, MA

36" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/28/2014</b>						12:30	16.18	1.21	2.356	1.160	
0:00	14.85	1.13	1.968	0.020		12:45	15.93	1.19	2.281	1.184	
0:15	14.74	1.12	1.938	0.041		13:00	15.84	1.19	2.255	1.207	
0:30	14.52	1.11	1.876	0.060		13:15	15.89	1.19	2.270	1.231	
0:45	14.42	1.10	1.848	0.079		13:30	15.84	1.19	2.253	1.254	
1:00	14.33	1.10	1.825	0.098		13:45	15.86	1.19	2.260	1.278	
1:15	14.19	1.09	1.786	0.117		14:00	15.94	1.19	2.285	1.302	
1:30	14.12	1.09	1.767	0.135		14:15	15.79	1.18	2.239	1.325	
1:45	13.98	1.08	1.730	0.154		14:30	15.67	1.18	2.204	1.348	
2:00	13.87	1.07	1.701	0.171		14:45	15.64	1.18	2.196	1.371	
2:15	13.87	1.07	1.700	0.189		15:00	15.62	1.17	2.190	1.394	
2:30	13.85	1.07	1.695	0.207		15:15	15.60	1.17	2.183	1.416	
2:45	13.82	1.07	1.688	0.224		15:30	15.61	1.17	2.188	1.439	
3:00	13.76	1.06	1.671	0.242		15:45	15.61	1.17	2.185	1.462	
3:15	13.73	1.06	1.664	0.259		16:00	15.68	1.18	2.208	1.485	
3:30	13.78	1.07	1.677	0.276		16:15	15.92	1.19	2.278	1.509	
3:45	13.71	1.06	1.659	0.294		16:30	15.81	1.18	2.246	1.532	
4:00	13.76	1.06	1.672	0.311		16:45	15.87	1.19	2.262	1.556	
4:15	13.72	1.06	1.662	0.328		17:00	15.98	1.19	2.295	1.580	
4:30	13.86	1.07	1.697	0.346		17:15	16.09	1.20	2.329	1.604	
4:45	13.97	1.08	1.727	0.364		17:30	16.25	1.21	2.379	1.629	
5:00	14.12	1.09	1.769	0.382		17:45	16.40	1.22	2.422	1.654	
5:15	14.35	1.10	1.831	0.402		18:00	16.43	1.22	2.433	1.679	
5:30	14.68	1.12	1.920	0.422		18:15	16.71	1.23	2.518	1.705	
5:45	15.23	1.15	2.078	0.443		18:30	16.73	1.23	2.523	1.732	
6:00	15.88	1.19	2.265	0.467		18:45	16.76	1.24	2.532	1.758	
6:15	16.37	1.22	2.412	0.492		19:00	16.81	1.24	2.548	1.785	
6:30	16.88	1.24	2.572	0.519		19:15	16.88	1.24	2.570	1.811	
6:45	17.28	1.26	2.695	0.547		19:30	16.93	1.25	2.587	1.838	
7:00	17.67	1.28	2.819	0.576		19:45	16.88	1.24	2.570	1.865	
7:15	17.78	1.29	2.857	0.606		20:00	16.87	1.24	2.568	1.892	
7:30	17.72	1.29	2.834	0.635		20:15	16.80	1.24	2.547	1.918	
7:45	17.62	1.28	2.803	0.665		20:30	16.86	1.24	2.565	1.945	
8:00	17.54	1.28	2.779	0.694		20:45	16.69	1.23	2.512	1.971	
8:15	17.45	1.27	2.750	0.722		21:00	16.59	1.23	2.481	1.997	
8:30	17.38	1.27	2.728	0.751		21:15	16.56	1.23	2.472	2.023	
8:45	17.29	1.26	2.699	0.779		21:30	16.33	1.21	2.401	2.048	
9:00	17.08	1.25	2.634	0.806		21:45	16.24	1.21	2.375	2.073	
9:15	16.78	1.24	2.541	0.833		22:00	16.21	1.21	2.366	2.097	
9:30	16.91	1.24	2.579	0.860		22:15	16.15	1.20	2.346	2.122	
9:45	16.86	1.24	2.563	0.886		22:30	15.90	1.19	2.271	2.145	
10:00	16.68	1.23	2.509	0.912		22:45	15.61	1.17	2.186	2.168	
10:15	16.52	1.22	2.459	0.938		23:00	15.42	1.16	2.130	2.190	
10:30	16.50	1.22	2.454	0.964		23:15	15.27	1.15	2.087	2.212	
10:45	16.40	1.22	2.421	0.989		23:30	15.22	1.15	2.074	2.234	
11:00	16.26	1.21	2.380	1.014		23:45	14.87	1.13	1.974	2.254	
11:15	16.19	1.21	2.360	1.038		<b>Daily Totals:</b>		1.974		<b>2.254</b>	<b>0.00</b>
11:30	16.08	1.20	2.325	1.062		<b>Data reported every:</b>	15 Minutes				
11:45	16.11	1.20	2.335	1.087							
12:00	16.12	1.20	2.338	1.111							
12:15	16.14	1.20	2.343	1.135							

# Daily Flow Report



Site:

3

Middlesex Circle Easement

Waltham, MA

36" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/29/2014</b>						12:30	15.84	1.19	2.255	1.124	
0:00	14.69	1.12	1.925	0.020		12:45	15.82	1.19	2.249	1.148	
0:15	14.54	1.11	1.881	0.040		13:00	15.82	1.19	2.249	1.171	
0:30	14.43	1.10	1.851	0.059		13:15	15.78	1.18	2.236	1.195	
0:45	14.29	1.10	1.815	0.078		13:30	15.57	1.17	2.176	1.217	
1:00	14.08	1.08	1.756	0.096		13:45	15.59	1.12	2.079	1.239	
1:15	14.03	1.08	1.743	0.114		14:00	15.65	1.18	2.199	1.262	
1:30	14.00	1.08	1.736	0.132		14:15	15.64	1.18	2.197	1.285	
1:45	13.87	1.07	1.701	0.150		14:30	15.53	1.15	2.129	1.307	
2:00	13.85	1.07	1.696	0.168		14:45	15.41	1.17	2.147	1.329	
2:15	13.95	1.08	1.722	0.186		15:00	15.37	1.16	2.117	1.351	
2:30	13.75	1.06	1.669	0.203		15:15	15.45	1.16	2.141	1.374	
2:45	13.70	1.06	1.655	0.220		15:30	15.28	1.15	2.092	1.395	
3:00	13.61	1.06	1.632	0.237		15:45	15.31	1.16	2.099	1.417	
3:15	13.56	1.05	1.621	0.254		16:00	15.58	1.17	2.178	1.440	
3:30	13.60	1.05	1.629	0.271		16:15	15.68	1.18	2.207	1.463	
3:45	13.50	1.05	1.605	0.288		16:30	15.74	1.18	2.224	1.486	
4:00	13.56	1.05	1.619	0.305		16:45	15.72	1.18	2.218	1.509	
4:15	13.58	1.05	1.625	0.322		17:00	15.68	1.18	2.208	1.532	
4:30	13.62	1.06	1.634	0.339		17:15	15.96	1.19	2.291	1.556	
4:45	13.75	1.06	1.670	0.356		17:30	16.12	1.20	2.339	1.580	
5:00	13.98	1.08	1.730	0.374		17:45	16.23	1.21	2.372	1.605	
5:15	14.18	1.09	1.785	0.393		18:00	16.16	1.20	2.351	1.630	
5:30	14.46	1.11	1.860	0.412		18:15	16.37	1.15	2.283	1.653	
5:45	14.92	1.13	1.988	0.433		18:30	16.62	1.23	2.491	1.679	
6:00	15.52	1.17	2.160	0.455		18:45	16.67	1.23	2.506	1.705	
6:15	16.21	1.21	2.365	0.480		19:00	16.76	1.23	2.516	1.732	
6:30	16.71	1.23	2.518	0.506		19:15	16.75	1.24	2.531	1.758	
6:45	17.25	1.26	2.687	0.534		19:30	16.58	1.23	2.478	1.784	
7:00	17.31	1.27	2.706	0.562		19:45	16.71	1.15	2.342	1.808	
7:15	17.55	1.28	2.781	0.591		20:00	16.68	1.16	2.359	1.833	
7:30	17.52	1.28	2.772	0.620		20:15	16.61	1.23	2.488	1.859	
7:45	17.39	1.27	2.730	0.649		20:30	16.57	1.23	2.474	1.885	
8:00	17.17	1.26	2.663	0.676		20:45	16.54	1.22	2.465	1.910	
8:15	16.98	1.25	2.601	0.703		21:00	16.34	1.21	2.406	1.935	
8:30	16.85	1.24	2.562	0.730		21:15	16.34	1.21	2.406	1.960	
8:45	16.73	1.23	2.523	0.756		21:30	16.27	1.21	2.385	1.985	
9:00	16.59	1.23	2.480	0.782		21:45	16.20	1.21	2.362	2.010	
9:15	16.49	1.22	2.451	0.808		22:00	16.03	1.22	2.358	2.034	
9:30	16.41	1.22	2.427	0.833		22:15	15.89	1.19	2.268	2.058	
9:45	16.34	1.21	2.404	0.858		22:30	15.66	1.18	2.202	2.081	
10:00	16.32	1.21	2.398	0.883		22:45	15.44	1.16	2.137	2.103	
10:15	16.29	1.21	2.389	0.908		23:00	15.38	1.16	2.119	2.125	
10:30	16.21	1.21	2.365	0.933		23:15	15.13	1.15	2.047	2.147	
10:45	16.22	1.21	2.367	0.957		23:30	14.99	1.14	2.007	2.167	
11:00	16.13	1.20	2.342	0.982		23:45	14.85	1.13	1.969	2.188	
11:15	16.08	1.20	2.327	1.006		<b>Daily Totals:</b>		1.969		<b>2.188</b>	<b>0.00</b>
11:30	16.05	1.20	2.316	1.030		<b>Data reported every:</b>	15 Minutes				
11:45	15.95	1.19	2.286	1.054							
12:00	15.92	1.19	2.278	1.078							
12:15	15.84	1.19	2.254	1.101							

# Daily Flow Report



Site:

3

Middlesex Circle Easement

Waltham, MA

36" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>4/30/2014</b>						12:30	15.72	1.18	2.220	1.106	
0:00	14.54	1.11	1.881	0.020		12:45	15.73	1.13	2.133	1.128	
0:15	14.40	1.10	1.845	0.039		13:00	15.83	1.20	2.279	1.152	
0:30	14.30	1.10	1.817	0.058		13:15	15.70	1.18	2.213	1.175	
0:45	14.19	1.09	1.785	0.076		13:30	15.67	1.18	2.203	1.198	
1:00	13.98	1.08	1.730	0.094		13:45	15.69	1.18	2.210	1.221	
1:15	13.88	1.07	1.704	0.112		14:00	15.55	1.17	2.170	1.243	
1:30	13.72	1.06	1.661	0.129		14:15	15.56	1.17	2.173	1.266	
1:45	13.68	1.06	1.651	0.147		14:30	15.59	1.21	2.242	1.289	
2:00	13.77	1.07	1.675	0.164		14:45	15.47	1.12	2.060	1.311	
2:15	13.55	1.05	1.618	0.181		15:00	15.46	1.20	2.211	1.334	
2:30	13.50	1.05	1.604	0.198		15:15	15.44	1.12	2.047	1.355	
2:45	13.39	1.04	1.577	0.214		15:30	15.53	1.17	2.162	1.378	
3:00	13.39	1.04	1.576	0.230		15:45	15.50	1.24	2.291	1.402	
3:15	13.33	1.04	1.560	0.247		16:00	15.44	1.16	2.137	1.424	
3:30	13.45	1.05	1.591	0.263		16:15	15.55	1.11	2.050	1.445	0.01
3:45	13.36	1.04	1.569	0.280		16:30	15.77	1.24	2.334	1.470	
4:00	13.34	1.04	1.564	0.296		16:45	15.76	1.18	2.230	1.493	0.01
4:15	13.35	1.04	1.565	0.312		17:00	15.87	1.19	2.262	1.516	
4:30	13.38	1.04	1.573	0.329		17:15	15.84	1.19	2.254	1.540	0.01
4:45	13.58	1.05	1.626	0.346		17:30	15.77	1.27	2.399	1.565	
5:00	13.74	1.06	1.667	0.363		17:45	16.03	1.29	2.489	1.591	0.01
5:15	13.97	1.08	1.727	0.381		18:00	16.22	1.12	2.199	1.614	0.01
5:30	14.31	1.10	1.819	0.400		18:15	16.44	1.22	2.436	1.639	
5:45	14.82	1.13	1.960	0.420		18:30	16.59	1.27	2.567	1.666	
6:00	15.48	1.17	2.150	0.443		18:45	16.68	1.14	2.326	1.690	0.01
6:15	16.05	1.12	2.157	0.465		19:00	16.82	1.24	2.552	1.717	0.01
6:30	16.64	1.23	2.498	0.491		19:15	16.85	1.24	2.561	1.743	0.02
6:45	17.03	1.25	2.618	0.518	0.01	19:30	16.94	1.12	2.327	1.768	0.01
7:00	17.35	1.27	2.718	0.547		19:45	16.90	1.10	2.286	1.791	0.02
7:15	17.72	1.29	2.835	0.576	0.01	20:00	17.01	1.24	2.582	1.818	0.03
7:30	17.58	1.28	2.790	0.605		20:15	17.04	1.13	2.374	1.843	0.02
7:45	17.45	1.27	2.748	0.634	0.02	20:30	16.87	1.24	2.566	1.870	0.01
8:00	17.28	1.26	2.696	0.662	0.01	20:45	16.80	1.24	2.545	1.896	
8:15	17.23	1.26	2.680	0.690	0.01	21:00	16.88	1.24	2.558	1.923	0.01
8:30	17.00	1.25	2.607	0.717	0.01	21:15	17.03	1.25	2.617	1.950	
8:45	16.80	1.24	2.546	0.744		21:30	16.72	1.23	2.521	1.976	0.02
9:00	16.77	1.24	2.536	0.770		21:45	16.52	1.22	2.459	2.002	0.02
9:15	16.81	1.14	2.336	0.794		22:00	16.53	1.22	2.464	2.028	0.02
9:30	16.52	1.12	2.249	0.818		22:15	16.29	1.21	2.389	2.053	0.02
9:45	16.54	1.20	2.422	0.843		22:30	16.22	1.21	2.369	2.077	0.02
10:00	16.46	1.22	2.442	0.868		22:45	15.98	1.19	2.295	2.101	0.03
10:15	16.32	1.20	2.371	0.893		23:00	15.86	1.19	2.259	2.125	0.02
10:30	16.21	1.21	2.366	0.918		23:15	15.86	1.19	2.261	2.148	0.01
10:45	16.22	1.21	2.369	0.942		23:30	15.75	1.18	2.226	2.171	0.01
11:00	16.16	1.20	2.350	0.967		23:45	15.69	1.18	2.209	2.194	0.01
11:15	16.13	1.20	2.340	0.991		<b>Daily Totals:</b>		2.209		<b>2.194</b>	<b>0.44</b>
11:30	15.91	1.11	2.121	1.013		<b>Data reported every:</b>	15 Minutes				
11:45	15.87	1.19	2.258	1.037							
12:00	15.87	1.16	2.211	1.060							
12:15	16.00	1.14	2.189	1.083							

# Daily Flow Report



Site:

3

Middlesex Circle Easement

Waltham, MA

36" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/1/2014</b>						12:30	17.77	1.17	2.596	1.361	
0:00	15.61	1.17	2.186	0.023	0.01	12:45	17.63	1.22	2.680	1.388	
0:15	15.51	1.17	2.165	0.045	0.01	13:00	17.63	1.27	2.788	1.417	
0:30	15.36	1.17	2.134	0.068	0.03	13:15	17.51	1.32	2.872	1.447	
0:45	15.22	1.17	2.104	0.089	0.02	13:30	17.54	1.37	2.987	1.479	
1:00	15.07	1.17	2.074	0.111	0.03	13:45	17.59	1.21	2.639	1.506	
1:15	14.98	1.17	2.053	0.132	0.02	14:00	17.47	1.37	2.967	1.537	
1:30	14.90	1.16	2.036	0.154	0.02	14:15	17.48	1.34	2.900	1.567	
1:45	14.92	1.16	2.037	0.175	0.02	14:30	17.39	1.20	2.586	1.594	
2:00	15.03	1.16	2.054	0.196	0.01	14:45	17.40	1.19	2.556	1.621	
2:15	15.14	1.16	2.073	0.218	0.02	15:00	17.32	1.17	2.507	1.647	
2:30	15.14	1.16	2.069	0.239	0.01	15:15	17.17	1.20	2.538	1.673	
2:45	15.12	1.16	2.062	0.261	0.01	15:30	17.16	1.23	2.598	1.700	
3:00	15.15	1.15	2.065	0.282	0.01	15:45	17.22	1.30	2.753	1.729	
3:15	15.13	1.15	2.058	0.304	0.01	16:00	17.31	1.31	2.800	1.758	
3:30	15.08	1.15	2.047	0.325	0.01	16:15	17.55	1.21	2.627	1.785	
3:45	15.14	1.15	2.054	0.347	0.01	16:30	17.41	1.16	2.501	1.812	
4:00	15.13	1.15	2.050	0.368	0.02	16:45	17.33	1.12	2.389	1.836	
4:15	15.11	1.15	2.042	0.389	0.06	17:00	17.46	1.26	2.730	1.865	
4:30	15.17	1.14	2.051	0.411	0.02	17:15	17.65	1.32	2.883	1.895	
4:45	15.25	1.14	2.062	0.432	0.01	17:30	17.72	1.33	2.927	1.925	
5:00	15.46	1.11	2.036	0.453	0.03	17:45	17.85	1.34	2.983	1.956	
5:15	16.09	1.16	2.242	0.477	0.02	18:00	17.89	1.29	2.867	1.986	
5:30	16.72	1.20	2.440	0.502	0.04	18:15	18.02	1.44	3.234	2.020	
5:45	17.16	1.23	2.598	0.529	0.03	18:30	18.21	1.14	2.593	2.047	
6:00	17.76	1.20	2.658	0.557	0.01	18:45	18.19	1.14	2.598	2.074	
6:15	18.28	1.17	2.684	0.585	0.01	19:00	18.16	1.14	2.603	2.101	
6:30	19.16	1.21	2.957	0.616	0.01	19:15	18.28	1.15	2.633	2.129	
6:45	19.64	1.27	3.191	0.649	0.03	19:30	18.26	1.15	2.638	2.156	
7:00	19.89	1.22	3.103	0.681	0.02	19:45	18.25	1.16	2.645	2.184	
7:15	19.89	1.16	2.964	0.712		20:00	18.30	1.16	2.664	2.211	
7:30	19.90	1.22	3.112	0.744		20:15	18.31	1.20	2.752	2.240	
7:45	19.96	1.20	3.069	0.776		20:30	18.23	1.23	2.822	2.269	
8:00	19.85	1.21	3.084	0.809		20:45	18.17	1.27	2.894	2.300	
8:15	19.44	1.22	3.038	0.840		21:00	18.00	1.24	2.783	2.329	
8:30	19.24	1.24	3.031	0.872	0.02	21:15	18.00	1.20	2.704	2.357	
8:45	19.00	1.29	3.102	0.904		21:30	17.89	1.17	2.606	2.384	
9:00	18.75	1.33	3.142	0.937		21:45	17.76	1.13	2.506	2.410	
9:15	18.72	1.31	3.108	0.969		22:00	17.52	1.17	2.537	2.436	
9:30	18.62	1.18	2.771	0.998		22:15	17.48	1.20	2.605	2.464	
9:45	18.52	1.29	3.016	1.029		22:30	17.46	1.24	2.676	2.491	
10:00	18.51	1.48	3.448	1.065		22:45	17.22	1.19	2.535	2.518	
10:15	18.41	1.26	2.905	1.096		23:00	17.13	1.12	2.362	2.542	
10:30	18.29	1.35	3.101	1.128		23:15	17.03	1.18	2.477	2.568	
10:45	18.15	1.21	2.744	1.156		23:30	16.78	1.21	2.480	2.594	
11:00	18.13	1.29	2.921	1.187		23:45	16.52	1.23	2.477	2.620	
11:15	18.20	1.30	2.958	1.218		<b>Daily Totals:</b>		<b>2.477</b>		<b>2.620</b>	<b>0.58</b>
11:30	18.05	1.31	2.950	1.248		<b>Data reported every:</b>	<b>15 Minutes</b>				
11:45	18.02	1.32	2.967	1.279							
12:00	17.85	1.22	2.716	1.308							
12:15	17.75	1.12	2.482	1.333							

# Daily Flow Report



Site:

3

Middlesex Circle Easement

Waltham, MA

36" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/2/2014</b>						12:30	17.25	1.12	2.378	1.335	
0:00	16.40	1.26	2.502	0.026		12:45	17.10	1.11	2.337	1.360	
0:15	16.32	1.25	2.465	0.052		13:00	16.98	1.25	2.603	1.387	
0:30	16.04	1.24	2.391	0.077		13:15	16.99	1.25	2.611	1.414	
0:45	15.85	1.23	2.333	0.101		13:30	16.95	1.25	2.608	1.441	
1:00	15.86	1.22	2.315	0.125		13:45	17.01	1.26	2.626	1.468	
1:15	15.63	1.21	2.253	0.149		14:00	16.93	1.26	2.616	1.496	
1:30	15.53	1.20	2.215	0.172		14:15	17.02	1.26	2.640	1.523	
1:45	15.57	1.19	2.204	0.195	0.01	14:30	16.86	1.27	2.613	1.550	
2:00	15.39	1.18	2.151	0.217		14:45	16.92	1.27	2.630	1.578	
2:15	15.29	1.17	2.114	0.239		15:00	17.00	1.27	2.653	1.605	
2:30	15.32	1.16	2.100	0.261		15:15	16.81	1.26	2.597	1.632	
2:45	15.25	1.15	2.069	0.282		15:30	16.72	1.26	2.563	1.659	
3:00	15.22	1.14	2.045	0.304		15:45	16.83	1.25	2.568	1.686	
3:15	15.19	1.15	2.058	0.325		16:00	16.80	1.24	2.546	1.712	
3:30	15.29	1.15	2.093	0.347		16:15	16.88	1.23	2.544	1.739	
3:45	15.15	1.16	2.084	0.369		16:30	16.96	1.22	2.536	1.765	
4:00	15.22	1.17	2.113	0.391		16:45	17.01	1.21	2.522	1.792	
4:15	15.30	1.18	2.146	0.413		17:00	16.95	1.20	2.486	1.817	
4:30	15.29	1.19	2.160	0.436		17:15	17.13	1.18	2.495	1.843	
4:45	15.37	1.20	2.193	0.458		17:30	17.25	1.17	2.492	1.869	
5:00	15.56	1.21	2.247	0.482		17:45	17.43	1.16	2.501	1.895	
5:15	15.82	1.22	2.314	0.506		18:00	17.33	1.15	2.457	1.921	
5:30	16.15	1.46	2.847	0.536		18:15	17.37	1.14	2.439	1.946	
5:45	16.55	1.34	2.703	0.564		18:30	17.43	1.12	2.424	1.972	
6:00	17.15	1.22	2.585	0.591		18:45	17.55	1.13	2.457	1.997	
6:15	17.64	1.21	2.644	0.618		19:00	17.46	1.13	2.451	2.023	
6:30	18.16	1.19	2.713	0.646		19:15	17.55	1.24	2.687	2.051	
6:45	18.56	1.27	2.980	0.677		19:30	17.39	1.22	2.619	2.078	
7:00	18.71	1.14	2.693	0.706		19:45	17.57	1.20	2.619	2.105	
7:15	18.74	1.20	2.848	0.735		20:00	17.67	1.19	2.603	2.133	
7:30	18.93	1.27	3.037	0.767		20:15	17.50	1.17	2.535	2.159	
7:45	18.93	1.33	3.197	0.800		20:30	17.45	1.17	2.532	2.185	
8:00	18.75	1.35	3.190	0.833		20:45	17.35	1.18	2.520	2.212	
8:15	18.64	1.21	2.848	0.863		21:00	17.23	1.18	2.503	2.238	
8:30	18.49	1.23	2.854	0.893		21:15	17.11	1.18	2.485	2.263	
8:45	18.25	1.41	3.229	0.926		21:30	17.18	1.18	2.505	2.290	
9:00	18.17	1.34	3.049	0.958		21:45	16.97	1.17	2.426	2.315	
9:15	18.05	1.27	2.864	0.988		22:00	16.93	1.15	2.379	2.340	
9:30	17.97	1.22	2.738	1.017		22:15	16.87	1.13	2.328	2.364	
9:45	17.91	1.17	2.616	1.044		22:30	16.83	1.11	2.283	2.388	
10:00	17.63	1.34	2.934	1.074		22:45	16.73	1.11	2.270	2.411	
10:15	17.63	1.25	2.736	1.103		23:00	16.55	1.11	2.245	2.435	
10:30	17.55	1.16	2.523	1.129		23:15	16.55	1.12	2.250	2.458	
10:45	17.61	1.17	2.554	1.156		23:30	16.30	1.12	2.211	2.481	
11:00	17.59	1.16	2.536	1.182		23:45	16.13	1.12	2.187	2.504	
11:15	17.53	1.15	2.508	1.208		<b>Daily Totals:</b>		2.187		2.504	0.01
11:30	17.49	1.15	2.486	1.234		<b>Data reported every:</b>	15 Minutes				
11:45	17.46	1.14	2.464	1.260							
12:00	17.49	1.13	2.454	1.285							
12:15	17.30	1.13	2.403	1.310							

# Daily Flow Report



Site:

3

Middlesex Circle Easement

Waltham, MA

36" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/3/2014</b>						12:30	17.50	1.21	2.633	1.272	
0:00	16.01	1.13	2.171	0.023		12:45	17.39	1.21	2.610	1.299	
0:15	15.84	1.13	2.147	0.045		13:00	17.26	1.21	2.583	1.326	
0:30	15.65	1.13	2.119	0.067		13:15	17.41	1.18	2.545	1.353	
0:45	15.54	1.14	2.104	0.089		13:30	17.26	1.15	2.449	1.378	
1:00	15.41	1.14	2.085	0.111		13:45	17.10	1.15	2.419	1.403	
1:15	15.32	1.14	2.075	0.132		14:00	17.06	1.15	2.411	1.429	
1:30	15.21	1.14	2.060	0.154		14:15	17.04	1.14	2.393	1.453	
1:45	15.08	1.15	2.043	0.175		14:30	17.01	1.15	2.395	1.478	
2:00	15.13	1.15	2.056	0.196		14:45	17.15	1.18	2.487	1.504	
2:15	14.93	1.15	2.025	0.218		15:00	17.34	1.21	2.591	1.531	
2:30	14.91	1.16	2.027	0.239		15:15	17.08	1.16	2.426	1.557	
2:45	14.92	1.16	2.034	0.260		15:30	16.88	1.10	2.275	1.580	
3:00	14.80	1.16	2.017	0.281		15:45	16.97	1.13	2.353	1.605	
3:15	14.81	1.17	2.026	0.302		16:00	16.96	1.16	2.413	1.630	
3:30	14.85	1.17	2.037	0.323		16:15	16.87	1.19	2.458	1.656	
3:45	14.74	1.17	2.023	0.344		16:30	16.94	1.22	2.532	1.682	
4:00	14.76	1.18	2.032	0.365		16:45	17.04	1.19	2.494	1.708	
4:15	14.75	1.18	2.036	0.387		17:00	17.02	1.16	2.432	1.733	
4:30	14.73	1.18	2.037	0.408		17:15	16.95	1.14	2.361	1.758	
4:45	14.87	1.19	2.068	0.429		17:30	16.93	1.19	2.464	1.783	
5:00	14.88	1.15	2.014	0.450		17:45	16.96	1.20	2.493	1.809	
5:15	14.96	1.14	2.006	0.471		18:00	17.10	1.21	2.545	1.836	
5:30	15.05	1.23	2.173	0.494		18:15	17.06	1.21	2.530	1.862	
5:45	15.14	1.10	1.969	0.514		18:30	16.91	1.20	2.496	1.888	
6:00	15.31	1.24	2.243	0.538		18:45	17.06	1.10	2.313	1.912	
6:15	15.60	1.20	2.227	0.561		19:00	17.06	1.13	2.374	1.937	
6:30	15.88	1.18	2.258	0.585		19:15	17.20	1.25	2.640	1.965	
6:45	16.28	1.17	2.308	0.609		19:30	17.13	1.23	2.597	1.992	
7:00	16.55	1.27	2.559	0.635		19:45	17.10	1.21	2.540	2.018	
7:15	16.79	1.25	2.568	0.662		20:00	17.07	1.21	2.530	2.044	
7:30	17.04	1.23	2.578	0.689		20:15	16.91	1.20	2.493	2.070	
7:45	17.39	1.20	2.588	0.716		20:30	16.63	1.20	2.436	2.096	
8:00	17.58	1.20	2.618	0.743		20:45	16.75	1.23	2.514	2.122	
8:15	17.79	1.24	2.751	0.772		21:00	16.66	1.15	2.331	2.146	
8:30	18.04	1.24	2.798	0.801		21:15	16.49	1.15	2.312	2.170	
8:45	18.19	1.19	2.709	0.829		21:30	16.47	1.16	2.321	2.195	
9:00	18.37	1.37	3.159	0.862		21:45	16.52	1.18	2.370	2.219	
9:15	18.37	1.22	2.807	0.891		22:00	16.36	1.22	2.410	2.244	
9:30	18.34	1.25	2.876	0.921		22:15	16.38	1.16	2.303	2.268	
9:45	18.34	1.30	3.003	0.952		22:30	16.41	1.10	2.198	2.291	
10:00	18.51	1.39	3.231	0.986		22:45	16.21	1.14	2.230	2.314	
10:15	18.39	1.21	2.800	1.015		23:00	16.01	1.14	2.193	2.337	
10:30	18.33	1.22	2.812	1.045		23:15	15.95	1.14	2.180	2.360	
10:45	18.41	1.22	2.827	1.074		23:30	15.86	1.14	2.162	2.383	
11:00	18.31	1.22	2.805	1.103		23:45	15.74	1.14	2.139	2.405	
11:15	18.16	1.22	2.772	1.132		<b>Daily Totals:</b>		2.139		<b>2.405</b>	<b>0.00</b>
11:30	17.94	1.22	2.728	1.161		<b>Data reported every:</b>	15 Minutes				
11:45	17.89	1.22	2.716	1.189							
12:00	17.85	1.22	2.707	1.217							
12:15	17.61	1.22	2.657	1.245							



# Daily Flow Report



Site:

3

Middlesex Circle Easement

Waltham, MA

36" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/4/2014</b>						12:30	17.42	1.03	2.212	1.233	
0:00	15.59	1.13	2.111	0.022		12:45	17.46	1.31	2.834	1.263	
0:15	15.43	1.13	2.081	0.044		13:00	17.32	1.17	2.501	1.289	
0:30	15.34	1.19	2.170	0.066		13:15	17.24	1.14	2.417	1.314	
0:45	15.26	1.23	2.219	0.089		13:30	17.19	1.25	2.647	1.341	
1:00	15.10	1.22	2.175	0.112		13:45	17.10	1.05	2.203	1.364	
1:15	15.02	1.21	2.147	0.134		14:00	17.06	1.06	2.227	1.388	
1:30	14.86	1.21	2.103	0.156		14:15	17.07	1.08	2.258	1.411	
1:45	14.81	1.20	2.080	0.178		14:30	17.10	1.09	2.295	1.435	
2:00	14.77	1.19	2.060	0.199		14:45	17.15	1.11	2.334	1.459	
2:15	14.72	1.18	2.037	0.221		15:00	17.00	1.12	2.338	1.484	
2:30	14.62	1.18	2.005	0.242		15:15	17.05	1.13	2.377	1.508	
2:45	14.62	1.17	1.999	0.262		15:30	16.91	1.15	2.382	1.533	
3:00	14.51	1.17	1.970	0.283		15:45	16.95	1.16	2.419	1.558	
3:15	14.47	1.16	1.955	0.303		16:00	16.99	1.18	2.457	1.584	
3:30	14.45	1.16	1.946	0.324		16:15	16.90	1.19	2.470	1.610	
3:45	14.39	1.15	1.926	0.344		16:30	17.02	1.33	2.781	1.639	
4:00	14.38	1.15	1.918	0.364		16:45	17.16	1.21	2.555	1.665	
4:15	14.48	1.15	1.928	0.384		17:00	17.11	1.17	2.453	1.691	
4:30	14.44	1.14	1.914	0.404		17:15	17.20	1.19	2.515	1.717	
4:45	14.45	1.14	1.908	0.423		17:30	17.05	1.21	2.531	1.743	
5:00	14.52	1.13	1.914	0.443		17:45	17.10	1.23	2.593	1.771	
5:15	14.53	1.13	1.908	0.463		18:00	17.25	1.26	2.675	1.798	
5:30	14.58	1.12	1.910	0.483		18:15	17.22	1.28	2.721	1.827	
5:45	14.69	1.12	1.921	0.503		18:30	17.20	1.24	2.620	1.854	
6:00	14.79	1.12	1.932	0.523		18:45	17.41	1.37	2.946	1.885	
6:15	14.87	1.12	1.950	0.544		19:00	17.50	1.00	2.174	1.907	
6:30	15.15	1.12	2.005	0.564		19:15	17.44	1.18	2.543	1.934	
6:45	15.46	1.12	2.066	0.586		19:30	17.50	1.18	2.552	1.960	
7:00	15.67	1.13	2.108	0.608		19:45	17.49	1.10	2.386	1.985	
7:15	15.94	1.13	2.162	0.630		20:00	17.52	1.03	2.225	2.008	
7:30	16.19	1.19	2.323	0.655		20:15	17.41	1.16	2.506	2.035	
7:45	16.58	1.25	2.519	0.681		20:30	17.40	1.07	2.310	2.059	
8:00	16.74	1.42	2.895	0.711		20:45	17.22	1.17	2.476	2.084	
8:15	17.10	1.22	2.566	0.738		21:00	17.13	1.26	2.654	2.112	
8:30	17.30	1.26	2.681	0.766		21:15	17.05	1.21	2.537	2.138	
8:45	17.61	1.15	2.522	0.792		21:30	16.99	1.17	2.448	2.164	
9:00	17.80	1.27	2.820	0.821		21:45	16.80	1.18	2.416	2.189	
9:15	18.00	1.23	2.764	0.850		22:00	16.59	1.13	2.280	2.213	
9:30	18.17	1.32	3.006	0.881		22:15	16.43	1.08	2.156	2.235	
9:45	18.35	1.32	3.034	0.913		22:30	16.20	1.14	2.228	2.259	
10:00	18.35	1.31	3.022	0.945		22:45	16.13	1.10	2.132	2.281	
10:15	18.13	1.33	3.011	0.976		23:00	15.92	1.20	2.300	2.305	
10:30	18.16	1.30	2.956	1.007		23:15	15.76	1.03	1.935	2.325	
10:45	18.08	1.27	2.877	1.037		23:30	15.45	1.28	2.356	2.349	
11:00	17.99	1.25	2.819	1.066		23:45	15.34	1.06	1.929	2.370	
11:15	18.02	1.25	2.818	1.095		<b>Daily Totals:</b>		1.929		<b>2.370</b>	<b>0.00</b>
11:30	17.84	1.25	2.777	1.124		<b>Data reported every:</b>	15 Minutes				
11:45	17.83	1.25	2.771	1.153							
12:00	17.75	1.25	2.749	1.182							
12:15	17.57	1.25	2.713	1.210							

# Daily Flow Report



Site:

3

Middlesex Circle Easement

Waltham, MA

36" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/5/2014</b>						12:30	16.37	1.05	2.085	1.172	
0:00	15.20	1.01	1.822	0.019		12:45	16.20	1.06	2.079	1.194	
0:15	14.89	1.23	2.149	0.041		13:00	16.25	1.07	2.112	1.216	
0:30	14.79	1.19	2.069	0.063		13:15	16.21	1.09	2.130	1.238	
0:45	14.77	1.16	2.007	0.084		13:30	16.15	1.10	2.144	1.261	
1:00	14.63	1.13	1.923	0.104		13:45	16.01	1.11	2.143	1.283	
1:15	14.59	1.09	1.858	0.123		14:00	16.15	1.12	2.192	1.306	
1:30	14.47	1.09	1.831	0.142		14:15	15.89	1.14	2.168	1.328	
1:45	14.32	1.11	1.848	0.162		14:30	15.84	1.15	2.181	1.351	
2:00	14.20	1.05	1.714	0.179		14:45	15.86	1.16	2.208	1.374	
2:15	14.28	1.07	1.772	0.198		15:00	15.79	1.17	2.220	1.397	
2:30	14.22	1.14	1.876	0.217		15:15	15.69	1.21	2.263	1.421	
2:45	14.08	1.10	1.777	0.236		15:30	15.70	1.24	2.327	1.445	
3:00	14.14	1.23	2.010	0.257		15:45	15.89	1.27	2.427	1.470	
3:15	14.07	1.11	1.801	0.276		16:00	15.79	1.28	2.431	1.496	
3:30	14.03	1.02	1.649	0.293		16:15	15.84	1.30	2.465	1.521	
3:45	14.09	1.08	1.746	0.311		16:30	16.04	1.31	2.531	1.548	
4:00	14.08	1.08	1.750	0.329		16:45	16.03	1.28	2.469	1.573	
4:15	14.11	1.08	1.762	0.348		17:00	16.08	1.25	2.420	1.599	
4:30	14.35	1.09	1.810	0.366		17:15	16.14	1.22	2.375	1.623	
4:45	14.38	1.09	1.822	0.385		17:30	16.24	1.19	2.333	1.648	
5:00	14.50	1.12	1.883	0.405		17:45	16.41	1.16	2.306	1.672	
5:15	14.73	1.08	1.855	0.424		18:00	16.57	1.30	2.617	1.699	
5:30	15.06	1.13	2.006	0.445		18:15	16.80	1.16	2.375	1.724	
5:45	15.48	1.37	2.522	0.471		18:30	16.60	1.12	2.265	1.747	
6:00	15.98	1.29	2.472	0.497		18:45	16.73	1.28	2.622	1.775	
6:15	16.56	1.12	2.255	0.521		19:00	16.76	1.15	2.358	1.799	
6:30	17.28	1.28	2.734	0.549		19:15	16.88	1.02	2.107	1.821	
6:45	17.64	1.27	2.788	0.578		19:30	16.94	1.05	2.180	1.844	
7:00	17.79	1.26	2.796	0.607		19:45	16.86	1.08	2.231	1.867	
7:15	17.97	1.25	2.810	0.637		20:00	16.93	1.11	2.308	1.891	
7:30	18.09	1.24	2.813	0.666		20:15	16.87	1.14	2.360	1.916	
7:45	17.81	1.19	2.648	0.694		20:30	16.89	1.17	2.429	1.941	
8:00	17.57	1.14	2.494	0.720		20:45	16.77	1.02	2.085	1.963	
8:15	17.61	1.29	2.816	0.749		21:00	16.61	1.07	2.165	1.985	
8:30	17.42	1.29	2.773	0.778		21:15	16.45	1.12	2.242	2.009	
8:45	17.25	1.21	2.565	0.804		21:30	16.38	1.17	2.334	2.033	
9:00	17.22	1.21	2.562	0.831		21:45	16.30	1.23	2.422	2.058	
9:15	17.34	1.21	2.588	0.858		22:00	16.17	1.23	2.398	2.083	
9:30	17.20	1.21	2.564	0.885		22:15	16.03	1.23	2.372	2.108	
9:45	17.04	1.21	2.536	0.911		22:30	15.99	1.23	2.366	2.132	
10:00	16.89	1.21	2.508	0.937		22:45	15.66	1.23	2.304	2.156	
10:15	16.79	1.21	2.493	0.963		23:00	15.49	1.23	2.272	2.180	
10:30	16.82	1.22	2.500	0.989		23:15	15.36	1.21	2.198	2.203	
10:45	16.83	1.18	2.437	1.015		23:30	15.16	1.16	2.084	2.225	
11:00	16.69	1.15	2.346	1.039		23:45	15.14	1.12	2.007	2.246	
11:15	16.51	1.12	2.249	1.063		<b>Daily Totals:</b>		2.007		<b>2.246</b>	<b>0.00</b>
11:30	16.55	1.09	2.192	1.085		<b>Data reported every:</b>	15 Minutes				
11:45	16.63	1.06	2.143	1.108							
12:00	16.48	1.03	2.053	1.129							
12:15	16.40	1.04	2.065	1.151							

# Daily Flow Report



Site:

3  
Middlesex Circle Easement Waltham, MA 36" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/6/2014</b>						12:30	15.77	1.06	2.000	1.120	
0:00	14.91	1.08	1.891	0.020		12:45	15.74	1.05	1.988	1.140	
0:15	14.62	1.04	1.770	0.038		13:00	15.84	1.16	2.206	1.163	
0:30	14.46	1.00	1.672	0.056		13:15	15.68	1.10	2.053	1.185	
0:45	14.29	1.11	1.841	0.075		13:30	15.62	1.17	2.183	1.208	
1:00	14.21	1.09	1.792	0.093		13:45	15.68	1.26	2.358	1.232	
1:15	14.11	1.07	1.741	0.112		14:00	15.65	1.18	2.208	1.255	
1:30	13.97	1.07	1.710	0.129		14:15	15.66	1.20	2.245	1.278	
1:45	13.91	1.06	1.690	0.147		14:30	15.49	1.22	2.247	1.302	
2:00	13.82	1.06	1.667	0.164		14:45	15.46	1.24	2.276	1.326	
2:15	13.79	1.16	1.832	0.183		15:00	15.48	1.12	2.065	1.347	
2:30	13.83	1.15	1.818	0.202		15:15	15.46	1.00	1.845	1.366	
2:45	13.70	1.11	1.737	0.220		15:30	15.37	1.04	1.901	1.386	
3:00	13.68	1.12	1.742	0.239		15:45	15.41	1.08	1.979	1.407	
3:15	13.67	1.12	1.748	0.257		16:00	15.46	1.28	2.352	1.431	
3:30	13.76	1.09	1.712	0.275		16:15	15.65	1.12	2.091	1.453	
3:45	13.64	1.06	1.642	0.292		16:30	15.67	1.16	2.175	1.476	
4:00	13.68	1.03	1.597	0.308		16:45	15.67	1.15	2.151	1.498	
4:15	13.69	1.16	1.805	0.327		17:00	15.81	1.14	2.152	1.521	
4:30	13.76	1.11	1.744	0.345		17:15	15.81	1.12	2.129	1.543	
4:45	13.93	1.20	1.918	0.365		17:30	15.92	1.11	2.124	1.565	
5:00	14.04	1.26	2.030	0.386		17:45	16.32	1.10	2.170	1.587	
5:15	14.35	1.23	2.047	0.408		18:00	16.40	1.20	2.394	1.612	
5:30	14.82	1.29	2.242	0.431		18:15	16.49	1.20	2.397	1.637	
5:45	15.28	1.29	2.343	0.456		18:30	16.61	1.28	2.590	1.664	
6:00	15.91	1.30	2.479	0.481		18:45	16.66	1.25	2.531	1.691	
6:15	16.39	1.30	2.586	0.508		19:00	16.59	1.21	2.448	1.716	
6:30	16.96	1.30	2.712	0.537		19:15	16.60	1.21	2.452	1.742	
6:45	17.36	1.31	2.801	0.566		19:30	16.64	1.21	2.461	1.767	
7:00	17.60	1.23	2.697	0.594		19:45	16.67	1.21	2.467	1.793	
7:15	17.89	1.25	2.778	0.623		20:00	16.72	1.22	2.487	1.819	
7:30	17.86	1.26	2.797	0.652		20:15	16.60	1.22	2.471	1.845	
7:45	17.63	1.25	2.732	0.680		20:30	16.59	1.23	2.480	1.871	
8:00	17.43	1.24	2.674	0.708		20:45	16.58	1.23	2.486	1.896	
8:15	17.22	1.23	2.615	0.735		21:00	16.59	1.18	2.386	1.921	
8:30	17.00	1.20	2.512	0.762		21:15	16.38	1.16	2.312	1.945	
8:45	16.92	1.18	2.438	0.787		21:30	16.18	1.15	2.241	1.969	
9:00	16.77	1.15	2.350	0.811		21:45	16.14	1.13	2.200	1.992	
9:15	16.69	1.12	2.278	0.835		22:00	16.06	1.11	2.152	2.014	
9:30	16.48	1.09	2.183	0.858		22:15	15.88	1.23	2.346	2.038	
9:45	16.31	1.06	2.097	0.880		22:30	15.70	1.21	2.273	2.062	
10:00	16.29	1.03	2.037	0.901		22:45	15.53	1.19	2.202	2.085	
10:15	16.28	1.00	1.980	0.922		23:00	15.22	1.17	2.108	2.107	
10:30	16.16	1.05	2.051	0.943		23:15	15.07	1.15	2.044	2.128	
10:45	16.06	1.10	2.124	0.965		23:30	14.91	1.13	1.979	2.149	
11:00	16.04	1.15	2.217	0.988		23:45	14.68	1.11	1.903	2.169	
11:15	15.95	1.14	2.178	1.011		<b>Daily Totals:</b>		1.903		<b>2.169</b>	<b>0.00</b>
11:30	15.97	1.12	2.159	1.033		<b>Data reported every:</b>	15 Minutes				
11:45	15.94	1.11	2.128	1.056							
12:00	15.87	1.10	2.093	1.077							
12:15	15.92	1.08	2.065	1.099							

# Daily Flow Report



Site:

3

Middlesex Circle Easement

Waltham, MA

36" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/7/2014</b>						12:30	15.67	1.02	1.903	1.096	
0:00	14.43	1.14	1.919	0.020		12:45	15.56	1.02	1.885	1.115	
0:15	14.31	1.11	1.845	0.039		13:00	15.68	1.02	1.903	1.135	
0:30	14.25	1.08	1.784	0.058		13:15	15.47	1.02	1.870	1.155	
0:45	14.11	1.05	1.709	0.076		13:30	15.43	1.02	1.863	1.174	
1:00	14.07	1.07	1.725	0.094		13:45	15.58	1.27	2.369	1.199	
1:15	13.96	1.25	2.008	0.114		14:00	15.53	1.28	2.361	1.223	
1:30	13.88	1.17	1.855	0.134		14:15	15.41	1.28	2.339	1.248	
1:45	13.68	1.15	1.797	0.153		14:30	15.37	1.28	2.332	1.272	
2:00	13.59	1.14	1.757	0.171		14:45	15.29	1.28	2.319	1.296	
2:15	13.44	1.12	1.708	0.189		15:00	15.21	1.28	2.305	1.320	
2:30	13.51	1.08	1.660	0.206		15:15	15.30	1.28	2.326	1.344	
2:45	13.45	1.04	1.589	0.222		15:30	15.25	1.21	2.185	1.367	
3:00	13.36	1.04	1.562	0.239		15:45	15.19	1.10	1.980	1.388	
3:15	13.36	1.03	1.550	0.255		16:00	15.27	1.08	1.955	1.408	
3:30	13.41	1.04	1.581	0.271		16:15	15.43	1.06	1.940	1.428	
3:45	13.32	1.04	1.560	0.288		16:30	15.41	1.19	2.181	1.451	
4:00	13.37	1.04	1.562	0.304		16:45	15.52	1.17	2.156	1.473	
4:15	13.36	1.03	1.553	0.320		17:00	15.80	1.08	2.051	1.495	
4:30	13.53	1.19	1.827	0.339		17:15	15.76	1.10	2.076	1.516	
4:45	13.59	1.14	1.764	0.357		17:30	15.78	1.12	2.111	1.538	
5:00	13.75	1.14	1.784	0.376		17:45	15.86	1.13	2.157	1.561	
5:15	14.14	1.13	1.849	0.395		18:00	16.06	1.15	2.226	1.584	
5:30	14.42	1.20	2.012	0.416		18:15	16.18	1.17	2.282	1.608	
5:45	14.94	1.03	1.805	0.435		18:30	16.24	1.18	2.326	1.632	
6:00	15.56	1.34	2.483	0.461		18:45	16.34	1.16	2.291	1.656	
6:15	16.28	1.20	2.359	0.486		19:00	16.28	1.08	2.135	1.678	
6:30	16.90	1.41	2.916	0.516		19:15	16.36	1.06	2.103	1.700	
6:45	17.28	1.15	2.443	0.541		19:30	16.58	1.04	2.095	1.722	
7:00	17.50	1.10	2.383	0.566		19:45	16.64	1.02	2.060	1.743	
7:15	17.51	1.23	2.677	0.594		20:00	16.52	1.03	2.067	1.765	
7:30	17.62	1.37	2.992	0.625		20:15	16.48	1.04	2.089	1.787	
7:45	17.50	1.34	2.914	0.656		20:30	16.51	1.06	2.120	1.809	
8:00	17.32	1.32	2.824	0.685		20:45	16.45	1.07	2.139	1.831	
8:15	17.04	1.30	2.714	0.713		21:00	16.45	1.08	2.166	1.854	
8:30	16.85	1.27	2.626	0.741		21:15	16.56	1.10	2.211	1.877	
8:45	16.61	1.25	2.530	0.767		21:30	16.48	1.11	2.231	1.900	
9:00	16.46	1.23	2.451	0.792		21:45	16.28	1.20	2.358	1.924	
9:15	16.59	1.20	2.428	0.818		22:00	16.10	1.28	2.483	1.950	
9:30	16.45	1.18	2.355	0.842		22:15	15.81	1.19	2.250	1.974	
9:45	16.19	1.15	2.259	0.866		22:30	15.64	1.15	2.151	1.996	
10:00	16.07	1.13	2.190	0.889		22:45	15.52	1.12	2.063	2.018	
10:15	15.94	1.11	2.122	0.911		23:00	15.30	1.08	1.960	2.038	
10:30	15.99	1.08	2.085	0.932		23:15	14.99	1.04	1.843	2.057	
10:45	16.04	1.06	2.047	0.954		23:30	14.77	1.06	1.834	2.076	
11:00	15.83	1.04	1.967	0.974		23:45	14.58	1.08	1.827	2.095	
11:15	15.66	1.13	2.116	0.996		<b>Daily Totals:</b>		1.827		<b>2.095</b>	<b>0.00</b>
11:30	15.68	1.02	1.905	1.016		<b>Data reported every:</b>	15 Minutes				
11:45	15.62	1.02	1.896	1.036							
12:00	15.69	1.02	1.905	1.056							
12:15	15.80	1.02	1.923	1.076							

# Daily Flow Report



Site:

3

Middlesex Circle Easement

Waltham, MA

36" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/8/2014</b>						12:30	15.32	1.15	2.096	1.039	
0:00	14.53	1.09	1.845	0.019		12:45	15.39	1.15	2.105	1.061	
0:15	14.37	1.02	1.706	0.037		13:00	15.42	1.15	2.105	1.083	
0:30	14.25	1.07	1.764	0.055		13:15	15.31	1.15	2.082	1.105	
0:45	13.99	1.12	1.796	0.074		13:30	15.30	1.03	1.860	1.124	
1:00	13.79	1.16	1.835	0.093		13:45	15.21	1.24	2.227	1.147	
1:15	13.64	1.21	1.879	0.113		14:00	15.16	1.00	1.798	1.166	
1:30	13.55	1.26	1.934	0.133		14:15	15.18	1.11	1.994	1.187	
1:45	13.50	1.12	1.720	0.151		14:30	15.19	1.06	1.905	1.206	
2:00	13.41	1.03	1.559	0.167		14:45	15.09	1.01	1.798	1.225	
2:15	13.33	1.03	1.552	0.183		15:00	15.10	1.05	1.872	1.245	
2:30	13.26	1.04	1.548	0.199		15:15	14.98	1.09	1.923	1.265	
2:45	13.34	0.99	1.491	0.215		15:30	14.88	1.11	1.943	1.285	
3:00	13.17	1.11	1.638	0.232		15:45	15.06	1.07	1.897	1.305	
3:15	13.14	1.09	1.606	0.249		16:00	15.07	1.00	1.775	1.323	
3:30	13.16	1.01	1.487	0.264		16:15	15.10	1.13	2.020	1.344	
3:45	13.15	1.01	1.491	0.280		16:30	15.31	1.04	1.894	1.364	
4:00	13.17	1.02	1.501	0.295		16:45	15.35	1.10	2.012	1.385	
4:15	13.28	1.07	1.592	0.312		17:00	15.31	1.15	2.093	1.407	
4:30	13.29	1.12	1.668	0.329		17:15	15.57	1.20	2.233	1.430	
4:45	13.46	1.08	1.643	0.346		17:30	15.71	1.04	1.949	1.450	
5:00	13.77	1.04	1.637	0.363		17:45	15.90	1.08	2.067	1.472	
5:15	13.91	1.09	1.731	0.381		18:00	15.92	1.13	2.158	1.494	
5:30	14.31	1.13	1.872	0.401		18:15	16.05	1.33	2.567	1.521	
5:45	14.83	1.17	2.039	0.422		18:30	16.08	1.12	2.172	1.544	
6:00	15.34	1.19	2.172	0.445		18:45	16.06	1.15	2.221	1.567	
6:15	15.98	1.07	2.056	0.466		19:00	16.21	1.17	2.301	1.591	
6:30	16.76	1.05	2.153	0.489		19:15	16.25	1.09	2.146	1.613	
6:45	17.12	1.03	2.177	0.511		19:30	16.22	1.01	1.979	1.634	
7:00	17.39	1.13	2.422	0.537		19:45	16.24	1.18	2.313	1.658	
7:15	17.56	1.13	2.449	0.562		20:00	16.18	1.15	2.255	1.681	
7:30	17.63	1.12	2.459	0.588		20:15	16.19	0.99	1.943	1.702	
7:45	17.42	1.12	2.417	0.613		20:30	16.49	1.13	2.267	1.725	
8:00	17.22	1.12	2.376	0.638		20:45	16.31	1.16	2.299	1.749	
8:15	17.01	1.12	2.335	0.662		21:00	16.01	1.20	2.305	1.773	
8:30	16.89	1.12	2.308	0.686		21:15	16.06	1.17	2.274	1.797	
8:45	16.73	1.10	2.256	0.710		21:30	16.02	1.09	2.094	1.819	
9:00	16.56	1.09	2.203	0.732		21:45	15.91	1.09	2.083	1.840	
9:15	16.40	1.08	2.152	0.755		22:00	15.78	1.19	2.251	1.864	
9:30	16.20	1.07	2.095	0.777		22:15	15.54	1.26	2.336	1.888	
9:45	16.22	1.06	2.077	0.798		22:30	15.41	1.25	2.288	1.912	
10:00	16.15	1.05	2.044	0.820		22:45	15.33	1.24	2.253	1.935	
10:15	16.27	1.04	2.042	0.841		23:00	15.18	1.17	2.101	1.957	
10:30	16.08	1.06	2.061	0.862		23:15	14.92	1.10	1.935	1.977	
10:45	15.95	1.09	2.089	0.884		23:30	14.73	1.04	1.784	1.996	
11:00	16.05	1.12	2.157	0.907		23:45	14.52	1.15	1.935	2.016	
11:15	15.83	1.14	2.168	0.929		<b>Daily Totals:</b>		1.935		<b>2.016</b>	<b>0.00</b>
11:30	15.55	1.19	2.212	0.952		<b>Data reported every:</b>	15 Minutes				
11:45	15.59	1.09	2.034	0.973							
12:00	15.52	1.12	2.080	0.995							
12:15	15.45	1.16	2.124	1.017							

# Daily Flow Report



Site:

3  
Middlesex Circle Easement Waltham, MA 36" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/9/2014</b>						12:30	15.34	1.13	2.052	1.041	
0:00	14.27	1.25	2.070	0.022		12:45	15.34	1.12	2.044	1.062	
0:15	14.13	0.99	1.611	0.038		13:00	15.40	1.12	2.050	1.084	
0:30	14.04	1.03	1.662	0.056		13:15	15.31	1.12	2.027	1.105	
0:45	13.77	1.04	1.639	0.073		13:30	15.30	1.11	2.019	1.126	
1:00	13.62	1.06	1.635	0.090		13:45	15.20	1.11	1.995	1.147	0.01
1:15	13.52	1.06	1.624	0.107		14:00	15.15	1.11	1.981	1.167	
1:30	13.38	1.06	1.606	0.123		14:15	15.21	1.10	1.985	1.188	
1:45	13.37	1.07	1.610	0.140		14:30	15.13	1.10	1.966	1.208	
2:00	13.28	1.05	1.568	0.157		14:45	15.12	1.10	1.957	1.229	
2:15	13.16	1.03	1.520	0.172		15:00	15.14	1.24	2.224	1.252	
2:30	13.06	1.01	1.478	0.188		15:15	15.23	1.20	2.167	1.274	
2:45	13.15	1.00	1.475	0.203		15:30	15.13	1.19	2.125	1.297	
3:00	13.10	1.10	1.614	0.220		15:45	15.00	1.18	2.079	1.318	
3:15	13.00	1.08	1.566	0.236		16:00	15.02	1.16	2.060	1.340	
3:30	13.02	1.07	1.561	0.252		16:15	15.09	1.15	2.050	1.361	
3:45	13.00	1.02	1.480	0.268		16:30	15.09	1.14	2.026	1.382	
4:00	13.07	1.01	1.475	0.283		16:45	15.32	1.17	2.122	1.404	
4:15	13.09	1.14	1.669	0.301		17:00	15.30	1.11	2.008	1.425	
4:30	13.29	1.11	1.667	0.318		17:15	15.24	1.09	1.971	1.446	
4:45	13.29	1.12	1.680	0.336		17:30	15.46	1.08	1.984	1.466	
5:00	13.46	1.13	1.726	0.354		17:45	15.59	1.06	1.980	1.487	
5:15	13.74	1.13	1.774	0.372		18:00	15.58	1.19	2.212	1.510	
5:30	13.99	1.03	1.657	0.389		18:15	15.83	1.32	2.498	1.536	
5:45	14.47	1.11	1.866	0.409		18:30	15.82	1.28	2.426	1.561	
6:00	14.98	1.19	2.097	0.431		18:45	15.88	1.24	2.370	1.586	
6:15	15.54	1.07	1.973	0.451		19:00	15.84	1.17	2.221	1.609	
6:30	16.10	1.21	2.345	0.476		19:15	15.69	1.13	2.117	1.631	
6:45	16.61	1.20	2.437	0.501		19:30	15.71	1.09	2.044	1.652	
7:00	16.88	1.20	2.481	0.527		19:45	15.68	1.05	1.962	1.673	
7:15	17.08	1.20	2.514	0.553		20:00	15.84	1.13	2.148	1.695	
7:30	17.07	1.19	2.504	0.579		20:15	15.73	1.02	1.913	1.715	
7:45	17.00	1.19	2.484	0.605		20:30	15.61	1.04	1.943	1.735	
8:00	16.89	1.19	2.457	0.630		20:45	15.45	1.07	1.966	1.756	
8:15	16.77	1.18	2.425	0.656		21:00	15.46	1.10	2.017	1.777	
8:30	16.70	1.18	2.405	0.681		21:15	15.33	1.12	2.044	1.798	
8:45	16.30	1.18	2.323	0.705		21:30	15.22	1.18	2.127	1.820	
9:00	16.05	1.17	2.270	0.729		21:45	15.15	1.24	2.217	1.843	
9:15	16.12	1.17	2.276	0.752		22:00	15.12	1.18	2.106	1.865	
9:30	16.00	1.17	2.247	0.776		22:15	15.17	1.12	2.012	1.886	
9:45	15.88	1.16	2.218	0.799		22:30	15.07	1.06	1.892	1.906	
10:00	15.86	1.16	2.208	0.822		22:45	14.84	1.01	1.752	1.924	
10:15	15.69	1.16	2.171	0.844		23:00	14.76	1.01	1.739	1.942	
10:30	15.66	1.15	2.159	0.867		23:15	14.79	1.01	1.745	1.961	
10:45	15.65	1.15	2.151	0.889		23:30	14.63	1.01	1.720	1.979	
11:00	15.48	1.15	2.113	0.911		23:45	14.32	1.01	1.672	1.996	
11:15	15.40	1.14	2.093	0.933		<b>Daily Totals:</b>		1.672		<b>1.996</b>	<b>0.01</b>
11:30	15.53	1.14	2.110	0.955		<b>Data reported every:</b>	15 Minutes				
11:45	15.45	1.14	2.090	0.977							
12:00	15.24	1.13	2.045	0.998							
12:15	15.31	1.13	2.051	1.020							

# Daily Flow Report



Site:

3

Middlesex Circle Easement

Waltham, MA

36" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/10/2014</b>						12:30	16.32	1.12	2.212	1.011	
0:00	14.16	1.01	1.648	0.017		12:45	16.34	1.12	2.218	1.034	
0:15	14.00	1.01	1.624	0.034		13:00	16.35	1.00	1.986	1.054	
0:30	13.88	1.01	1.599	0.051		13:15	16.23	1.00	1.970	1.075	
0:45	13.72	1.00	1.567	0.067		13:30	16.10	1.00	1.951	1.095	
1:00	13.57	1.00	1.543	0.083		13:45	15.94	1.01	1.928	1.115	
1:15	13.64	1.00	1.552	0.099		14:00	15.87	1.01	1.918	1.135	
1:30	13.53	1.00	1.533	0.115		14:15	15.89	1.01	1.925	1.155	
1:45	13.31	1.06	1.591	0.132		14:30	15.74	1.01	1.903	1.175	
2:00	13.22	1.02	1.507	0.148		14:45	15.65	1.02	1.912	1.195	
2:15	13.16	1.06	1.567	0.164		15:00	15.77	1.06	1.994	1.216	
2:30	13.07	1.06	1.546	0.180		15:15	15.59	1.09	2.025	1.237	
2:45	13.07	1.08	1.581	0.196		15:30	15.62	1.12	2.091	1.259	
3:00	13.00	1.08	1.570	0.213		15:45	15.65	1.15	2.159	1.281	
3:15	12.98	1.08	1.570	0.229		16:00	15.52	1.19	2.195	1.304	
3:30	12.95	1.09	1.566	0.245		16:15	15.53	1.22	2.259	1.328	
3:45	12.95	1.09	1.580	0.262		16:30	15.60	1.09	2.021	1.349	
4:00	13.03	1.10	1.607	0.279		16:45	15.53	1.07	1.972	1.369	
4:15	13.08	1.04	1.525	0.295		17:00	15.52	1.05	1.933	1.389	
4:30	13.02	1.00	1.455	0.310		17:15	15.67	1.02	1.901	1.409	
4:45	12.98	1.14	1.653	0.327		17:30	15.62	1.01	1.878	1.429	
5:00	13.09	1.29	1.885	0.347		17:45	15.60	1.00	1.859	1.448	0.25
5:15	13.22	1.11	1.645	0.364		18:00	15.59	0.99	1.842	1.467	0.04
5:30	13.19	1.14	1.695	0.381		18:15	15.82	1.05	1.995	1.488	
5:45	13.42	1.22	1.856	0.401		18:30	16.19	1.11	2.177	1.511	
6:00	13.57	1.13	1.741	0.419		18:45	17.40	1.24	2.665	1.538	
6:15	13.77	1.20	1.890	0.438		19:00	18.04	1.15	2.604	1.566	
6:30	14.10	1.01	1.632	0.455	0.03	19:15	17.94	1.07	2.398	1.591	
6:45	14.48	1.12	1.892	0.475	0.01	19:30	17.29	1.11	2.364	1.615	
7:00	14.70	1.08	1.859	0.495		19:45	16.91	1.14	2.372	1.640	
7:15	15.07	1.24	2.200	0.517		20:00	16.63	1.07	2.170	1.663	0.01
7:30	15.23	1.26	2.269	0.541	0.01	20:15	16.59	1.01	2.048	1.684	
7:45	15.67	1.28	2.393	0.566		20:30	16.28	1.17	2.304	1.708	
8:00	15.86	1.14	2.166	0.589		20:45	16.20	1.09	2.135	1.730	
8:15	16.04	1.00	1.930	0.609		21:00	16.11	1.19	2.307	1.754	
8:30	16.51	1.09	2.184	0.631		21:15	15.88	1.09	2.075	1.776	
8:45	16.56	1.18	2.374	0.656		21:30	15.74	1.24	2.337	1.800	
9:00	16.76	1.16	2.378	0.681		21:45	15.63	1.00	1.860	1.819	
9:15	16.81	1.14	2.354	0.705		22:00	15.52	1.05	1.934	1.840	
9:30	16.93	1.13	2.341	0.730		22:15	15.58	1.10	2.038	1.861	
9:45	16.92	1.11	2.306	0.754		22:30	15.44	1.15	2.105	1.883	
10:00	16.88	1.10	2.264	0.777		22:45	15.22	1.20	2.156	1.905	
10:15	16.88	1.09	2.258	0.801		23:00	15.22	1.25	2.245	1.929	
10:30	16.98	1.09	2.267	0.825		23:15	15.16	1.03	1.848	1.948	
10:45	16.94	1.08	2.252	0.848		23:30	14.98	1.00	1.770	1.966	
11:00	16.79	1.08	2.219	0.871		23:45	14.69	1.20	2.066	1.988	
11:15	16.70	1.08	2.197	0.894		<b>Daily Totals:</b>		2.066		<b>1.988</b>	<b>0.35</b>
11:30	16.62	1.10	2.219	0.917		<b>Data reported every:</b>	15 Minutes				
11:45	16.41	1.11	2.217	0.940							
12:00	16.68	1.13	2.302	0.964							
12:15	16.47	1.12	2.239	0.988							

# Daily Flow Report



Site:

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Middlesex Circle Easement Waltham, MA 36" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/11/2014</b>						12:30	16.03	1.06	2.049	1.020	
0:00	14.57	1.21	2.047	0.021		12:45	16.02	1.08	2.086	1.041	
0:15	14.45	1.08	1.807	0.040		13:00	16.13	1.10	2.146	1.064	
0:30	14.21	1.06	1.736	0.058		13:15	15.97	1.11	2.125	1.086	
0:45	14.11	1.04	1.688	0.076		13:30	15.93	1.11	2.126	1.108	
1:00	14.04	1.02	1.646	0.093		13:45	15.84	1.11	2.102	1.130	
1:15	13.94	1.00	1.600	0.110		14:00	15.68	1.10	2.066	1.151	
1:30	13.78	1.03	1.623	0.127		14:15	15.54	1.10	2.036	1.173	
1:45	13.68	1.06	1.656	0.144		14:30	15.46	1.10	2.015	1.194	
2:00	13.60	1.09	1.691	0.161		14:45	15.45	1.24	2.271	1.217	
2:15	13.48	1.09	1.665	0.179		15:00	15.59	1.13	2.095	1.239	
2:30	13.46	1.05	1.597	0.195		15:15	15.48	1.11	2.042	1.260	
2:45	13.36	1.06	1.594	0.212		15:30	15.37	1.09	1.989	1.281	
3:00	13.38	1.16	1.754	0.230		15:45	15.37	1.07	1.956	1.302	
3:15	13.30	1.01	1.519	0.246		16:00	15.33	1.05	1.917	1.321	
3:30	13.22	1.07	1.595	0.263		16:15	15.24	1.04	1.870	1.341	
3:45	13.10	1.10	1.613	0.279		16:30	15.23	1.28	2.311	1.365	
4:00	13.20	1.11	1.647	0.297		16:45	15.29	1.11	2.019	1.386	
4:15	13.24	1.12	1.673	0.314		17:00	15.40	1.16	2.117	1.408	
4:30	13.12	1.14	1.671	0.331		17:15	15.34	1.20	2.184	1.431	
4:45	13.07	1.03	1.501	0.347		17:30	15.30	1.21	2.194	1.454	
5:00	13.13	1.03	1.520	0.363		17:45	15.34	1.22	2.219	1.477	
5:15	13.20	1.04	1.545	0.379		18:00	15.36	1.20	2.194	1.500	
5:30	13.34	1.09	1.644	0.396		18:15	15.36	1.19	2.166	1.522	
5:45	13.43	1.03	1.571	0.413		18:30	15.44	1.03	1.898	1.542	
6:00	13.46	1.09	1.652	0.430		18:45	15.53	1.11	2.050	1.563	
6:15	13.76	1.18	1.854	0.449		19:00	15.60	1.00	1.871	1.583	
6:30	13.89	1.19	1.892	0.469		19:15	15.74	1.07	2.010	1.604	
6:45	14.11	1.20	1.947	0.489		19:30	15.87	1.13	2.151	1.626	
7:00	14.38	1.06	1.773	0.507		19:45	16.02	1.16	2.234	1.649	
7:15	14.68	1.10	1.886	0.527		20:00	16.11	1.16	2.263	1.673	
7:30	15.02	1.25	2.212	0.550		20:15	16.07	1.17	2.269	1.697	
7:45	15.38	1.29	2.359	0.575		20:30	16.19	1.13	2.205	1.720	
8:00	15.75	1.33	2.512	0.601		20:45	16.08	1.14	2.211	1.743	
8:15	16.04	1.29	2.486	0.627		21:00	16.15	1.15	2.250	1.766	
8:30	16.32	1.25	2.475	0.653		21:15	16.00	1.17	2.250	1.790	
8:45	16.47	1.16	2.325	0.677		21:30	15.81	1.18	2.240	1.813	
9:00	16.79	1.13	2.317	0.701		21:45	15.63	1.05	1.961	1.833	
9:15	17.05	1.14	2.390	0.726		22:00	15.50	1.10	2.021	1.854	
9:30	17.06	0.99	2.077	0.747		22:15	15.32	1.14	2.071	1.876	
9:45	17.11	1.05	2.204	0.770		22:30	15.12	1.04	1.858	1.895	
10:00	17.15	1.10	2.328	0.795		22:45	14.92	1.07	1.878	1.915	
10:15	17.15	1.10	2.314	0.819		23:00	14.65	1.10	1.886	1.935	
10:30	17.02	1.09	2.276	0.842		23:15	14.42	1.13	1.899	1.954	
10:45	17.15	1.08	2.274	0.866		23:30	14.26	1.05	1.728	1.972	
11:00	17.11	1.07	2.244	0.890		23:45	14.10	1.22	1.986	1.993	
11:15	16.85	1.05	2.176	0.912		<b>Daily Totals:</b>		1.986		<b>1.993</b>	<b>0.00</b>
11:30	16.67	1.04	2.122	0.934		<b>Data reported every:</b>	15 Minutes				
11:45	16.65	1.03	2.096	0.956							
12:00	16.35	1.02	2.024	0.977							
12:15	16.15	1.04	2.029	0.998							



# Daily Flow Report



Site:

3

Middlesex Circle Easement

Waltham, MA

36" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/12/2014</b>						12:30	15.09	1.27	2.259	1.012	
0:00	13.87	1.13	1.789	0.019		12:45	15.02	1.03	1.819	1.031	
0:15	13.64	1.10	1.714	0.036		13:00	15.02	1.23	2.183	1.054	
0:30	13.48	1.08	1.651	0.054		13:15	14.96	1.13	1.998	1.075	
0:45	13.48	1.06	1.617	0.071		13:30	15.03	1.10	1.939	1.095	
1:00	13.29	1.04	1.552	0.087		13:45	15.07	1.06	1.876	1.114	
1:15	13.16	1.06	1.563	0.103		14:00	14.94	1.02	1.783	1.133	
1:30	13.00	1.08	1.570	0.119		14:15	14.74	1.02	1.753	1.151	
1:45	13.09	1.10	1.618	0.136		14:30	14.92	1.02	1.785	1.170	
2:00	12.92	1.13	1.623	0.153		14:45	14.81	1.02	1.768	1.188	
2:15	12.78	1.12	1.581	0.170		15:00	14.75	1.09	1.874	1.208	
2:30	12.80	1.10	1.567	0.186		15:15	14.81	1.10	1.906	1.228	
2:45	12.76	1.09	1.543	0.202		15:30	14.78	1.11	1.923	1.248	
3:00	12.77	1.08	1.527	0.218		15:45	14.81	1.07	1.863	1.267	
3:15	12.69	1.07	1.497	0.233		16:00	14.75	1.05	1.819	1.286	
3:30	12.80	1.05	1.498	0.249		16:15	14.88	1.02	1.786	1.305	
3:45	12.77	1.03	1.455	0.264		16:30	14.79	1.08	1.876	1.324	
4:00	12.81	1.00	1.424	0.279		16:45	14.82	1.14	1.984	1.345	
4:15	12.78	1.01	1.434	0.294		17:00	14.96	1.13	1.995	1.366	
4:30	12.83	1.04	1.487	0.310		17:15	15.01	1.13	1.995	1.386	
4:45	12.96	1.07	1.553	0.326		17:30	15.20	1.21	2.177	1.409	
5:00	13.19	1.12	1.654	0.343		17:45	15.26	1.22	2.214	1.432	
5:15	13.45	1.12	1.705	0.361		18:00	15.49	1.18	2.169	1.455	
5:30	13.80	1.13	1.777	0.379		18:15	15.75	1.05	1.986	1.475	
5:45	14.28	1.13	1.869	0.399		18:30	15.68	1.14	2.144	1.498	
6:00	14.86	1.14	1.981	0.419		18:45	15.70	1.00	1.873	1.517	
6:15	15.50	1.14	2.105	0.441		19:00	15.81	1.18	2.246	1.541	
6:30	15.96	1.10	2.119	0.463		19:15	15.82	1.13	2.140	1.563	
6:45	16.48	1.13	2.260	0.487		19:30	16.01	1.24	2.391	1.588	
7:00	16.87	1.07	2.217	0.510		19:45	15.94	1.12	2.142	1.610	
7:15	16.96	1.15	2.385	0.535		20:00	15.95	1.22	2.333	1.634	
7:30	16.87	1.22	2.521	0.561		20:15	15.92	1.10	2.111	1.656	
7:45	16.88	1.22	2.532	0.587		20:30	15.99	1.10	2.111	1.678	
8:00	16.75	1.23	2.516	0.614		20:45	15.96	1.09	2.094	1.700	
8:15	16.59	1.23	2.492	0.640		21:00	15.86	1.15	2.189	1.723	
8:30	16.40	1.24	2.462	0.665		21:15	15.77	1.14	2.162	1.746	
8:45	16.30	1.24	2.450	0.691		21:30	15.68	1.18	2.205	1.769	
9:00	16.01	1.19	2.288	0.715		21:45	15.52	1.21	2.232	1.792	
9:15	15.87	1.13	2.157	0.737		22:00	15.43	1.07	1.966	1.812	
9:30	15.76	1.08	2.030	0.758		22:15	15.22	1.23	2.213	1.835	
9:45	15.54	1.02	1.886	0.778		22:30	15.09	1.00	1.786	1.854	
10:00	15.47	1.17	2.160	0.800		22:45	14.90	1.10	1.926	1.874	
10:15	15.46	1.16	2.138	0.823		23:00	14.55	1.02	1.734	1.892	
10:30	15.41	1.15	2.107	0.845		23:15	14.39	1.12	1.875	1.912	
10:45	15.42	1.19	2.184	0.867		23:30	14.16	1.11	1.811	1.930	
11:00	15.26	1.09	1.961	0.888		23:45	13.93	1.01	1.609	1.947	
11:15	15.09	1.00	1.777	0.906		<b>Daily Totals:</b>		1.609		<b>1.947</b>	<b>0.00</b>
11:30	15.18	1.04	1.869	0.926		<b>Data reported every:</b>	15 Minutes				
11:45	15.29	1.08	1.964	0.946							
12:00	15.12	1.13	2.012	0.967							
12:15	15.00	1.17	2.066	0.989							

# Daily Flow Report



Site:

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Middlesex Circle Easement

Waltham, MA

36" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/13/2014</b>						12:30	14.73	1.31	2.253	0.990	
0:00	13.73	1.08	1.689	0.018		12:45	14.69	1.15	1.974	1.011	
0:15	13.62	1.08	1.679	0.035		13:00	14.70	1.09	1.871	1.030	
0:30	13.30	1.03	1.546	0.051		13:15	14.81	1.21	2.104	1.052	
0:45	13.17	1.12	1.651	0.068		13:30	14.57	1.09	1.842	1.072	
1:00	13.02	1.06	1.541	0.084		13:45	14.45	1.24	2.077	1.093	
1:15	12.86	1.00	1.434	0.099		14:00	14.44	1.19	2.001	1.114	
1:30	12.85	1.02	1.457	0.115		14:15	14.49	1.13	1.909	1.134	
1:45	12.73	1.04	1.461	0.130		14:30	14.56	1.14	1.933	1.154	
2:00	12.63	1.08	1.502	0.145		14:45	14.56	1.15	1.943	1.174	
2:15	12.64	1.12	1.558	0.162		15:00	14.49	1.15	1.941	1.194	
2:30	12.60	1.06	1.478	0.177		15:15	14.60	1.12	1.914	1.214	
2:45	12.50	1.13	1.546	0.193		15:30	14.42	1.07	1.794	1.233	
3:00	12.64	1.12	1.557	0.209		15:45	14.39	1.11	1.849	1.252	
3:15	12.53	1.03	1.414	0.224		16:00	14.45	1.00	1.685	1.270	
3:30	12.44	1.10	1.502	0.240		16:15	14.57	1.15	1.952	1.290	
3:45	12.48	1.18	1.612	0.257		16:30	14.69	1.09	1.864	1.310	
4:00	12.45	1.30	1.779	0.275		16:45	14.77	1.07	1.851	1.329	
4:15	12.49	1.05	1.442	0.290		17:00	14.95	1.04	1.826	1.348	
4:30	12.61	1.04	1.448	0.305		17:15	14.99	1.06	1.873	1.367	
4:45	12.62	1.03	1.436	0.320		17:30	15.08	1.08	1.927	1.388	
5:00	12.81	1.06	1.511	0.336		17:45	15.17	1.12	2.015	1.409	
5:15	13.10	1.06	1.556	0.352		18:00	15.34	1.12	2.033	1.430	
5:30	13.55	1.01	1.549	0.368		18:15	15.47	1.17	2.153	1.452	
5:45	14.03	1.11	1.782	0.387		18:30	15.56	1.18	2.190	1.475	
6:00	14.68	1.20	2.065	0.408		18:45	15.62	1.09	2.031	1.496	
6:15	15.19	1.13	2.034	0.429		19:00	15.59	1.12	2.087	1.518	
6:30	15.88	1.18	2.247	0.453		19:15	15.63	1.18	2.196	1.541	
6:45	16.42	1.22	2.435	0.478		19:30	15.85	1.26	2.396	1.566	
7:00	16.72	1.22	2.481	0.504		19:45	15.82	1.23	2.334	1.590	
7:15	16.91	1.14	2.369	0.529		20:00	15.86	1.20	2.285	1.614	
7:30	16.82	1.25	2.574	0.556		20:15	15.86	1.17	2.229	1.637	
7:45	16.80	1.05	2.159	0.578		20:30	15.71	1.17	2.198	1.660	
8:00	16.50	0.99	1.993	0.599		20:45	15.52	1.17	2.162	1.682	
8:15	16.25	1.00	1.968	0.619		21:00	15.54	1.23	2.282	1.706	
8:30	16.12	1.20	2.328	0.644		21:15	15.64	1.17	2.181	1.729	
8:45	16.05	1.26	2.429	0.669		21:30	15.49	1.19	2.189	1.752	
9:00	15.81	1.01	1.912	0.689		21:45	15.26	1.21	2.181	1.774	
9:15	15.74	1.18	2.232	0.712		22:00	15.17	1.20	2.149	1.797	
9:30	15.57	1.18	2.184	0.735		22:15	15.00	1.17	2.071	1.818	
9:45	15.42	1.16	2.132	0.757		22:30	14.84	1.15	2.002	1.839	
10:00	15.34	1.15	2.090	0.779		22:45	14.67	1.13	1.933	1.859	
10:15	15.16	1.07	1.921	0.799		23:00	14.48	1.11	1.863	1.879	
10:30	15.09	1.00	1.773	0.817		23:15	14.16	1.14	1.863	1.898	
10:45	15.11	1.16	2.073	0.839		23:30	13.80	1.11	1.746	1.916	
11:00	15.14	1.20	2.138	0.861		23:45	13.57	1.10	1.692	1.934	
11:15	15.14	1.17	2.094	0.883		<b>Daily Totals:</b>		1.692		<b>1.934</b>	<b>0.00</b>
11:30	15.09	1.13	2.019	0.904		<b>Data reported every:</b>	15 Minutes				
11:45	14.88	1.16	2.034	0.925							
12:00	14.83	1.16	2.014	0.946							
12:15	14.77	1.15	1.995	0.967							

# Daily Flow Report



Site:

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Middlesex Circle Easement Waltham, MA 36" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/14/2014</b>						12:30	14.69	1.14	1.955	0.978	
0:00	13.47	1.09	1.654	0.017		12:45	14.71	1.18	2.029	0.999	
0:15	13.39	1.07	1.622	0.034		13:00	14.68	1.07	1.835	1.018	
0:30	13.21	1.07	1.594	0.051		13:15	14.66	1.10	1.877	1.037	
0:45	13.12	1.07	1.579	0.067		13:30	14.76	1.10	1.906	1.057	
1:00	12.93	1.07	1.548	0.083		13:45	14.65	1.11	1.898	1.077	
1:15	12.85	1.13	1.608	0.100		14:00	14.69	1.12	1.916	1.097	
1:30	12.78	1.07	1.517	0.116		14:15	14.71	1.10	1.886	1.117	
1:45	12.61	1.11	1.540	0.132		14:30	14.41	1.13	1.896	1.136	
2:00	12.54	1.11	1.535	0.148		14:45	14.33	1.17	1.943	1.157	
2:15	12.49	1.09	1.491	0.163		15:00	14.37	1.12	1.863	1.176	
2:30	12.39	1.06	1.441	0.178		15:15	14.44	1.11	1.864	1.195	
2:45	12.34	1.01	1.361	0.193		15:30	14.45	1.14	1.908	1.215	
3:00	12.29	1.05	1.403	0.207		15:45	14.45	1.16	1.950	1.236	
3:15	12.30	1.02	1.367	0.221		16:00	14.40	1.16	1.941	1.256	
3:30	12.45	1.04	1.422	0.236		16:15	14.48	1.10	1.852	1.275	
3:45	12.29	1.05	1.410	0.251		16:30	14.58	1.08	1.841	1.294	
4:00	12.27	1.08	1.444	0.266		16:45	14.61	1.07	1.815	1.313	
4:15	12.45	1.07	1.458	0.281		17:00	14.66	1.05	1.794	1.332	
4:30	12.45	1.04	1.415	0.296		17:15	14.89	1.01	1.760	1.350	
4:45	12.55	1.04	1.433	0.311		17:30	14.98	1.12	1.968	1.371	
5:00	12.75	1.10	1.556	0.327		17:45	15.14	1.09	1.949	1.391	
5:15	12.99	1.06	1.530	0.343		18:00	15.16	1.06	1.904	1.411	
5:30	13.35	1.14	1.714	0.361		18:15	15.26	1.04	1.875	1.430	
5:45	13.86	1.07	1.695	0.378		18:30	15.42	1.15	2.110	1.452	
6:00	14.43	1.14	1.918	0.398		18:45	15.37	1.18	2.148	1.475	
6:15	15.19	1.18	2.124	0.421		19:00	15.41	1.13	2.062	1.496	
6:30	15.78	1.16	2.200	0.444		19:15	15.45	1.11	2.039	1.517	
6:45	16.23	1.06	2.078	0.465		19:30	15.50	1.09	2.017	1.538	
7:00	16.71	1.18	2.399	0.490		19:45	15.54	1.08	1.994	1.559	
7:15	16.86	1.21	2.491	0.516		20:00	15.77	1.22	2.298	1.583	
7:30	16.78	1.24	2.538	0.543		20:15	15.70	1.13	2.117	1.605	
7:45	16.88	1.13	2.337	0.567		20:30	15.71	1.05	1.966	1.626	
8:00	16.66	1.17	2.375	0.592		20:45	15.60	1.15	2.149	1.648	
8:15	16.32	1.31	2.580	0.618		21:00	15.53	1.20	2.225	1.671	
8:30	16.25	1.25	2.454	0.644		21:15	15.44	1.25	2.296	1.695	
8:45	16.07	1.04	2.008	0.665		21:30	15.35	1.06	1.925	1.715	
9:00	15.80	1.18	2.227	0.688		21:45	15.32	1.25	2.271	1.739	
9:15	15.71	1.12	2.099	0.710		22:00	15.28	1.01	1.822	1.758	
9:30	15.59	1.16	2.157	0.733		22:15	15.10	1.13	2.018	1.779	
9:45	15.44	1.11	2.037	0.754		22:30	14.88	1.29	2.258	1.802	
10:00	15.21	1.18	2.124	0.776		22:45	14.64	1.22	2.082	1.824	
10:15	14.96	1.09	1.912	0.796		23:00	14.48	1.14	1.926	1.844	
10:30	14.98	1.08	1.912	0.816		23:15	14.32	1.08	1.795	1.863	
10:45	14.87	1.08	1.891	0.835		23:30	14.01	1.02	1.643	1.880	
11:00	14.78	1.09	1.880	0.855		23:45	13.78	1.05	1.645	1.897	
11:15	14.77	1.05	1.818	0.874		<b>Daily Totals:</b>		1.645		<b>1.897</b>	<b>0.00</b>
11:30	14.76	1.14	1.963	0.894		<b>Data reported every:</b>	15 Minutes				
11:45	14.93	1.24	2.172	0.917							
12:00	14.96	1.09	1.921	0.937							
12:15	14.78	1.12	1.939	0.957							

# Daily Flow Report



Site:

3

Middlesex Circle Easement

Waltham, MA

36" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/15/2014</b>						12:30	14.72	1.14	1.955	0.964	
0:00	13.59	1.10	1.695	0.018		12:45	14.86	1.09	1.897	0.984	
0:15	13.39	1.09	1.650	0.035		13:00	14.69	1.12	1.914	1.004	
0:30	13.20	1.08	1.606	0.052		13:15	14.63	1.06	1.813	1.023	
0:45	13.05	1.05	1.536	0.068		13:30	14.71	1.06	1.830	1.042	
1:00	12.92	1.05	1.508	0.083		13:45	14.58	1.17	1.987	1.063	
1:15	12.74	1.03	1.456	0.098		14:00	14.71	1.13	1.940	1.083	
1:30	12.68	1.04	1.455	0.114		14:15	14.69	1.16	1.988	1.103	
1:45	12.65	1.04	1.458	0.129		14:30	14.62	1.19	2.027	1.125	
2:00	12.65	1.11	1.546	0.145		14:45	14.49	1.02	1.714	1.142	
2:15	12.51	1.02	1.403	0.160		15:00	14.30	1.12	1.854	1.162	
2:30	12.31	1.05	1.415	0.174		15:15	14.24	1.10	1.808	1.181	
2:45	12.28	1.07	1.435	0.189		15:30	14.36	1.06	1.765	1.199	
3:00	12.31	1.11	1.489	0.205		15:45	14.30	1.11	1.830	1.218	
3:15	12.23	1.14	1.524	0.221		16:00	14.32	1.12	1.850	1.237	
3:30	12.24	1.00	1.340	0.235		16:15	14.48	1.13	1.896	1.257	
3:45	12.28	1.04	1.398	0.249		16:30	14.64	1.14	1.943	1.277	
4:00	12.22	1.06	1.415	0.264		16:45	14.55	1.12	1.902	1.297	
4:15	12.25	1.04	1.391	0.278		17:00	14.58	1.15	1.958	1.318	
4:30	12.33	1.07	1.440	0.293		17:15	14.68	1.03	1.770	1.336	
4:45	12.39	1.06	1.438	0.308		17:30	14.91	1.12	1.959	1.356	
5:00	12.64	1.12	1.558	0.325		17:45	15.05	1.18	2.091	1.378	
5:15	12.90	1.02	1.460	0.340		18:00	15.17	1.13	2.024	1.399	
5:30	13.33	1.22	1.829	0.359		18:15	15.28	1.07	1.938	1.419	
5:45	13.80	1.07	1.684	0.376		18:30	15.35	1.00	1.824	1.438	
6:00	14.32	1.12	1.850	0.396		18:45	15.40	1.17	2.146	1.461	
6:15	14.99	1.22	2.151	0.418		19:00	15.40	1.19	2.185	1.484	
6:30	15.66	1.22	2.287	0.442		19:15	15.59	1.15	2.133	1.506	
6:45	16.21	1.15	2.253	0.465		19:30	15.57	1.13	2.103	1.528	
7:00	16.46	1.08	2.154	0.488		19:45	15.53	1.20	2.215	1.551	
7:15	16.71	1.00	2.048	0.509		20:00	15.53	1.17	2.160	1.573	
7:30	16.72	1.20	2.457	0.535		20:15	15.51	1.09	2.010	1.594	
7:45	16.56	1.13	2.282	0.558		20:30	15.73	1.01	1.902	1.614	
8:00	16.46	1.12	2.246	0.582		20:45	15.60	1.00	1.856	1.633	
8:15	16.22	1.13	2.212	0.605		21:00	15.50	1.08	1.994	1.654	
8:30	15.96	1.15	2.215	0.628		21:15	15.44	1.30	2.384	1.679	
8:45	15.90	1.12	2.137	0.650		21:30	15.34	1.01	1.835	1.698	
9:00	15.76	1.12	2.105	0.672		21:45	15.25	1.09	1.972	1.719	
9:15	15.63	1.15	2.155	0.695		22:00	15.08	1.11	1.972	1.739	
9:30	15.68	1.30	2.444	0.720		22:15	14.96	1.14	2.010	1.760	
9:45	15.42	1.08	1.977	0.741		22:30	14.79	1.06	1.836	1.779	
10:00	15.17	1.12	2.014	0.762		22:45	14.58	1.04	1.773	1.798	
10:15	15.03	1.25	2.212	0.785		23:00	14.35	1.03	1.710	1.815	
10:30	14.96	1.04	1.833	0.804		23:15	14.21	1.09	1.793	1.834	
10:45	15.03	1.09	1.938	0.824		23:30	14.10	1.04	1.688	1.852	
11:00	14.89	1.08	1.889	0.844		23:45	13.73	1.11	1.741	1.870	
11:15	14.91	1.17	2.050	0.865		<b>Daily Totals:</b>		1.741		<b>1.870</b>	<b>0.00</b>
11:30	14.83	1.13	1.969	0.886		<b>Data reported every:</b>	15 Minutes				
11:45	14.70	1.00	1.719	0.903							
12:00	14.80	1.14	1.980	0.924							
12:15	14.89	1.09	1.903	0.944							

# Daily Flow Report



Site:

3

Middlesex Circle Easement

Waltham, MA

36" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/16/2014</b>						12:30	14.70	1.23	2.112	0.968	
0:00	13.42	1.12	1.694	0.018		12:45	14.71	1.15	1.974	0.989	
0:15	13.28	1.15	1.718	0.036		13:00	14.78	1.20	2.075	1.010	
0:30	13.19	1.01	1.497	0.051		13:15	14.77	1.12	1.932	1.031	
0:45	13.15	1.08	1.586	0.068		13:30	14.61	1.04	1.766	1.049	0.02
1:00	12.96	1.05	1.517	0.083		13:45	14.62	1.04	1.780	1.068	0.01
1:15	12.89	1.07	1.540	0.100		14:00	14.72	1.16	2.004	1.088	0.01
1:30	12.79	1.04	1.482	0.115		14:15	14.70	1.21	2.074	1.110	
1:45	12.54	1.10	1.521	0.131		14:30	14.63	1.15	1.969	1.131	
2:00	12.42	1.01	1.370	0.145		14:45	14.52	1.09	1.841	1.150	
2:15	12.35	1.03	1.387	0.160		15:00	14.65	1.26	2.156	1.172	
2:30	12.35	1.04	1.401	0.174		15:15	14.69	1.02	1.751	1.190	
2:45	12.32	1.02	1.379	0.188		15:30	14.56	1.19	2.016	1.211	
3:00	12.28	1.04	1.396	0.203		15:45	14.54	1.15	1.945	1.232	
3:15	12.29	1.07	1.431	0.218		16:00	14.50	1.25	2.112	1.254	0.01
3:30	12.32	1.10	1.477	0.233		16:15	14.52	1.14	1.933	1.274	
3:45	12.19	1.10	1.461	0.249		16:30	14.80	1.21	2.097	1.296	
4:00	12.19	1.10	1.466	0.264		16:45	14.84	1.15	1.995	1.316	
4:15	12.23	1.11	1.477	0.279		17:00	14.85	1.03	1.798	1.335	
4:30	12.38	1.04	1.406	0.294		17:15	14.96	1.09	1.920	1.355	
4:45	12.47	1.10	1.510	0.310		17:30	14.90	1.03	1.798	1.374	0.01
5:00	12.63	1.11	1.550	0.326		17:45	15.01	1.16	2.047	1.395	
5:15	12.80	1.12	1.593	0.342		18:00	15.20	1.19	2.147	1.418	
5:30	13.17	1.11	1.637	0.359		18:15	15.19	1.23	2.211	1.441	
5:45	13.63	1.23	1.901	0.379		18:30	15.24	1.10	1.986	1.461	
6:00	14.20	1.15	1.877	0.399		18:45	15.27	1.07	1.945	1.482	0.12
6:15	14.82	1.18	2.043	0.420		19:00	15.24	1.07	1.925	1.502	0.01
6:30	15.45	1.13	2.084	0.442		19:15	15.29	1.17	2.123	1.524	
6:45	15.89	1.20	2.289	0.466		19:30	15.28	1.19	2.154	1.546	0.01
7:00	16.22	1.26	2.469	0.491		19:45	15.46	1.18	2.171	1.569	
7:15	16.42	1.21	2.403	0.516		20:00	15.57	1.19	2.210	1.592	
7:30	16.62	1.19	2.408	0.541		20:15	15.58	1.25	2.328	1.616	
7:45	16.41	1.12	2.232	0.565		20:30	15.61	1.18	2.196	1.639	
8:00	16.33	1.18	2.343	0.589		20:45	15.49	1.10	2.036	1.660	
8:15	16.12	1.18	2.295	0.613		21:00	15.34	1.03	1.873	1.680	
8:30	16.02	1.16	2.241	0.636		21:15	15.09	1.24	2.214	1.703	
8:45	15.95	1.16	2.222	0.659		21:30	15.03	1.12	1.986	1.723	
9:00	15.72	1.11	2.082	0.681		21:45	15.00	1.14	2.012	1.744	
9:15	15.67	1.12	2.098	0.703		22:00	14.95	1.18	2.077	1.766	
9:30	15.53	1.18	2.182	0.726		22:15	14.85	1.12	1.959	1.786	
9:45	15.38	1.12	2.054	0.747		22:30	14.72	1.23	2.112	1.808	0.01
10:00	15.23	1.07	1.927	0.767		22:45	14.58	1.15	1.947	1.829	
10:15	15.17	1.18	2.110	0.789		23:00	14.44	1.09	1.830	1.848	
10:30	15.21	0.99	1.784	0.808		23:15	14.43	1.27	2.125	1.870	
10:45	15.04	1.00	1.778	0.826		23:30	14.41	1.22	2.033	1.891	
11:00	14.93	1.08	1.891	0.846		23:45	14.16	1.07	1.747	1.909	
11:15	14.93	1.15	2.020	0.867		<b>Daily Totals:</b>		<b>1.747</b>		<b>1.909</b>	<b>0.21</b>
11:30	14.88	1.10	1.919	0.887		<b>Data reported every:</b>	<b>15 Minutes</b>				
11:45	14.95	1.08	1.890	0.907							
12:00	14.89	1.05	1.839	0.926							
12:15	14.74	1.14	1.967	0.946							

# Daily Flow Report

Site:

3

Middlesex Circle Easement

Waltham, MA

36" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/17/2014</b>						12:30	16.53	1.14	2.293	1.082	
0:00	13.89	1.08	1.718	0.018		12:45	16.36	1.14	2.265	1.105	
0:15	13.63	1.02	1.572	0.034		13:00	16.16	1.15	2.236	1.129	
0:30	13.43	1.03	1.567	0.051		13:15	16.24	1.02	2.012	1.150	
0:45	13.43	1.04	1.574	0.067		13:30	16.18	1.04	2.034	1.171	
1:00	13.32	1.04	1.564	0.083		13:45	15.95	0.99	1.906	1.191	
1:15	13.09	1.05	1.533	0.099		14:00	15.91	1.29	2.462	1.216	
1:30	12.99	1.09	1.586	0.116		14:15	15.77	1.29	2.431	1.242	
1:45	12.86	1.07	1.528	0.132		14:30	15.61	1.01	1.877	1.261	
2:00	12.71	1.05	1.484	0.147		14:45	15.70	1.22	2.292	1.285	
2:15	12.67	1.05	1.465	0.162		15:00	15.60	1.25	2.323	1.309	
2:30	12.60	1.04	1.441	0.177		15:15	15.60	1.28	2.374	1.334	
2:45	12.63	1.12	1.563	0.194		15:30	15.55	1.30	2.414	1.359	
3:00	12.60	1.09	1.519	0.210		15:45	15.43	1.22	2.243	1.383	
3:15	12.53	1.07	1.475	0.225	0.05	16:00	15.48	1.22	2.249	1.406	
3:30	12.47	1.03	1.410	0.240	0.05	16:15	15.40	1.08	1.971	1.427	
3:45	12.45	1.09	1.489	0.255	0.01	16:30	15.40	1.22	2.231	1.450	
4:00	12.38	1.02	1.381	0.269	0.06	16:45	15.31	1.17	2.130	1.472	
4:15	12.50	1.10	1.513	0.285	0.04	17:00	15.30	1.20	2.174	1.495	
4:30	12.75	1.06	1.498	0.301	0.01	17:15	15.41	1.14	2.090	1.516	
4:45	12.96	1.06	1.528	0.317	0.03	17:30	15.22	1.11	1.994	1.537	
5:00	13.06	1.05	1.539	0.333	0.12	17:45	15.45	1.14	2.088	1.559	
5:15	13.39	1.03	1.561	0.349	0.15	18:00	15.52	1.16	2.152	1.581	
5:30	13.63	1.05	1.626	0.366	0.04	18:15	15.34	1.19	2.171	1.604	
5:45	13.96	1.10	1.762	0.384	0.06	18:30	15.34	1.19	2.175	1.627	
6:00	14.88	1.16	2.021	0.405	0.03	18:45	15.39	1.20	2.188	1.649	
6:15	16.26	1.15	2.257	0.429	0.02	19:00	15.37	1.05	1.910	1.669	
6:30	17.04	1.03	2.165	0.451		19:15	15.29	1.20	2.172	1.692	
6:45	17.01	1.21	2.530	0.478		19:30	15.21	1.23	2.222	1.715	
7:00	16.94	1.32	2.745	0.506		19:45	15.26	1.23	2.228	1.738	
7:15	17.02	1.20	2.508	0.533		20:00	15.21	1.14	2.052	1.760	
7:30	17.13	1.25	2.636	0.560		20:15	15.24	1.05	1.893	1.779	
7:45	17.09	1.29	2.716	0.588		20:30	15.27	1.03	1.864	1.799	
8:00	17.30	1.14	2.430	0.614		20:45	15.23	1.06	1.912	1.819	
8:15	17.47	1.24	2.691	0.642		21:00	15.10	1.08	1.925	1.839	
8:30	17.56	1.23	2.669	0.669		21:15	15.09	1.23	2.198	1.862	
8:45	17.64	1.09	2.393	0.694		21:30	15.06	1.33	2.358	1.886	
9:00	17.54	1.15	2.492	0.720		21:45	15.15	1.17	2.098	1.908	
9:15	17.50	1.29	2.793	0.749		22:00	15.01	1.21	2.141	1.930	
9:30	17.43	1.07	2.298	0.773		22:15	14.88	1.08	1.893	1.950	
9:45	17.27	1.18	2.505	0.799		22:30	14.81	1.04	1.810	1.969	
10:00	17.22	1.27	2.687	0.827		22:45	14.72	1.09	1.877	1.988	
10:15	17.27	1.14	2.425	0.853		23:00	14.57	1.15	1.948	2.009	
10:30	17.43	1.30	2.810	0.882		23:15	14.45	1.16	1.954	2.029	
10:45	17.23	1.13	2.391	0.907		23:30	14.26	1.08	1.774	2.048	
11:00	17.16	1.00	2.111	0.929		23:45	14.02	1.27	2.052	2.069	
11:15	17.11	1.20	2.519	0.955		<b>Daily Totals:</b>		2.052		<b>2.069</b>	<b>0.67</b>
11:30	17.05	1.27	2.670	0.983		<b>Data reported every:</b>	15 Minutes				
11:45	17.04	1.10	2.305	1.007							
12:00	16.76	1.22	2.504	1.033							
12:15	16.61	1.18	2.397	1.058							

# Daily Flow Report



Site:

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Middlesex Circle Easement

Waltham, MA

36" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/18/2014</b>						12:30	15.94	1.14	2.183	1.013	
0:00	14.03	1.20	1.927	0.020		12:45	15.87	1.19	2.267	1.037	
0:15	13.85	1.14	1.801	0.039		13:00	15.69	1.18	2.210	1.060	
0:30	13.57	1.08	1.661	0.056		13:15	15.54	1.17	2.159	1.083	
0:45	13.38	1.04	1.565	0.072		13:30	15.43	1.26	2.311	1.107	
1:00	13.31	1.14	1.716	0.090		13:45	15.35	1.13	2.058	1.128	
1:15	13.18	1.09	1.609	0.107		14:00	15.34	1.19	2.174	1.151	
1:30	13.18	1.13	1.666	0.124		14:15	15.22	1.23	2.210	1.174	
1:45	13.02	1.13	1.647	0.142		14:30	15.18	1.19	2.135	1.196	
2:00	12.82	1.05	1.498	0.157		14:45	15.05	1.25	2.215	1.219	
2:15	12.71	1.10	1.543	0.173		15:00	14.95	1.22	2.152	1.241	
2:30	12.65	1.06	1.486	0.189		15:15	15.03	1.17	2.072	1.263	
2:45	12.56	1.09	1.501	0.204		15:30	14.93	1.06	1.857	1.282	
3:00	12.56	1.13	1.563	0.221		15:45	14.85	1.14	1.984	1.303	
3:15	12.51	1.05	1.445	0.236		16:00	14.85	1.19	2.071	1.325	
3:30	12.56	1.14	1.574	0.252		16:15	14.92	1.08	1.897	1.344	
3:45	12.53	1.13	1.551	0.268		16:30	15.06	1.17	2.070	1.366	
4:00	12.50	1.05	1.450	0.283		16:45	15.17	1.25	2.242	1.389	
4:15	12.46	1.02	1.397	0.298		17:00	15.14	1.25	2.232	1.413	
4:30	12.43	1.10	1.501	0.314		17:15	15.18	1.16	2.075	1.434	
4:45	12.45	1.09	1.488	0.329		17:30	15.11	1.19	2.121	1.456	
5:00	12.47	1.12	1.535	0.345		17:45	15.09	1.10	1.964	1.477	
5:15	12.48	1.14	1.565	0.361		18:00	15.35	1.07	1.949	1.497	
5:30	12.60	1.10	1.534	0.377		18:15	15.36	1.17	2.129	1.519	
5:45	12.76	1.12	1.582	0.394		18:30	15.40	1.19	2.181	1.542	
6:00	13.00	1.13	1.647	0.411		18:45	15.49	1.22	2.242	1.565	
6:15	13.28	1.14	1.709	0.429		19:00	15.47	1.12	2.059	1.587	
6:30	13.42	1.23	1.872	0.448		19:15	15.59	1.09	2.036	1.608	
6:45	13.53	1.14	1.742	0.466		19:30	15.65	1.14	2.141	1.630	
7:00	13.89	1.24	1.978	0.487		19:45	15.62	1.20	2.231	1.653	
7:15	14.27	1.19	1.958	0.507		20:00	15.62	1.10	2.052	1.675	
7:30	14.63	1.25	2.137	0.530		20:15	15.65	1.16	2.174	1.697	
7:45	14.94	1.26	2.217	0.553		20:30	15.58	1.11	2.067	1.719	
8:00	15.25	1.27	2.298	0.577		20:45	15.55	1.19	2.209	1.742	
8:15	15.66	1.28	2.396	0.602		21:00	15.63	1.18	2.201	1.765	
8:30	15.99	1.27	2.439	0.627		21:15	15.58	1.17	2.167	1.787	
8:45	16.06	1.18	2.287	0.651		21:30	15.33	1.24	2.249	1.811	
9:00	16.11	1.20	2.328	0.675		21:45	15.06	1.07	1.905	1.831	
9:15	16.39	1.27	2.531	0.701		22:00	14.91	1.10	1.932	1.851	
9:30	16.59	1.34	2.704	0.730		22:15	14.89	1.04	1.822	1.870	
9:45	16.57	1.29	2.595	0.757		22:30	14.75	1.25	2.163	1.892	
10:00	16.57	1.02	2.052	0.778		22:45	14.55	1.14	1.934	1.913	
10:15	16.46	1.05	2.101	0.800		23:00	14.34	1.13	1.878	1.932	
10:30	16.66	1.20	2.440	0.825		23:15	14.10	1.12	1.811	1.951	
10:45	16.53	1.15	2.318	0.850		23:30	13.80	1.12	1.770	1.969	
11:00	16.44	1.04	2.068	0.871		23:45	13.61	1.19	1.834	1.988	
11:15	16.37	1.22	2.432	0.896		<b>Daily Totals:</b>		1.834		<b>1.988</b>	<b>0.00</b>
11:30	16.17	1.13	2.214	0.919		<b>Data reported every:</b>	15 Minutes				
11:45	16.16	1.17	2.285	0.943							
12:00	16.04	1.17	2.260	0.967							
12:15	16.03	1.19	2.289	0.991							

# Daily Flow Report



Site:

3  
Middlesex Circle Easement Waltham, MA 36" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/19/2014</b>						12:30	14.76	1.05	1.810	0.981	
0:00	13.43	1.03	1.571	0.016		12:45	14.66	1.14	1.954	1.002	0.01
0:15	13.22	1.08	1.609	0.033		13:00	14.54	1.14	1.934	1.022	
0:30	13.05	1.05	1.537	0.049		13:15	14.67	1.14	1.959	1.042	
0:45	12.98	1.13	1.638	0.066		13:30	14.73	1.11	1.917	1.062	
1:00	12.84	1.14	1.628	0.083		13:45	14.59	1.13	1.913	1.082	
1:15	12.69	1.05	1.469	0.098		14:00	14.57	1.14	1.933	1.102	
1:30	12.56	1.01	1.391	0.113		14:15	14.54	1.01	1.702	1.120	
1:45	12.43	1.19	1.625	0.130		14:30	14.40	1.27	2.124	1.142	
2:00	12.33	1.10	1.487	0.145		14:45	14.28	1.04	1.711	1.160	
2:15	12.28	1.07	1.439	0.160		15:00	14.32	1.14	1.896	1.180	
2:30	12.19	1.10	1.462	0.176		15:15	14.30	1.11	1.834	1.199	
2:45	12.18	1.02	1.352	0.190		15:30	14.23	1.13	1.857	1.218	
3:00	12.29	1.01	1.358	0.204		15:45	14.24	1.12	1.849	1.237	
3:15	12.15	1.00	1.326	0.218		16:00	14.34	1.20	1.995	1.258	
3:30	12.16	1.10	1.452	0.233		16:15	14.33	1.16	1.918	1.278	
3:45	12.20	1.06	1.412	0.247		16:30	14.36	1.14	1.904	1.298	
4:00	12.22	1.12	1.496	0.263		16:45	14.47	1.12	1.879	1.318	
4:15	12.24	1.07	1.433	0.278		17:00	14.69	1.12	1.917	1.337	
4:30	12.32	1.12	1.507	0.294		17:15	14.67	1.09	1.865	1.357	
4:45	12.41	1.17	1.590	0.310		17:30	14.71	1.26	2.171	1.380	
5:00	12.60	1.13	1.573	0.327		17:45	14.94	1.06	1.868	1.399	
5:15	12.86	1.09	1.564	0.343		18:00	15.04	1.15	2.035	1.420	
5:30	13.22	1.14	1.697	0.361		18:15	15.28	1.14	2.056	1.442	
5:45	13.77	1.17	1.843	0.380		18:30	15.40	1.15	2.108	1.464	
6:00	14.40	1.12	1.867	0.399		18:45	15.50	1.20	2.215	1.487	
6:15	15.22	1.25	2.257	0.423		19:00	15.43	1.13	2.076	1.508	
6:30	15.72	1.21	2.281	0.446		19:15	15.54	1.21	2.243	1.532	
6:45	16.18	1.13	2.214	0.470		19:30	15.76	1.11	2.093	1.553	0.01
7:00	16.58	1.20	2.420	0.495		19:45	15.66	1.14	2.129	1.576	
7:15	16.66	1.27	2.572	0.522		20:00	15.65	1.21	2.268	1.599	0.01
7:30	16.54	1.26	2.545	0.548		20:15	15.68	1.08	2.026	1.620	
7:45	16.59	1.17	2.370	0.573		20:30	15.56	1.21	2.238	1.644	0.01
8:00	16.45	1.26	2.514	0.599		20:45	15.56	1.23	2.276	1.667	
8:15	16.21	1.29	2.520	0.625		21:00	15.57	1.18	2.193	1.690	
8:30	16.02	1.16	2.247	0.649		21:15	15.44	1.17	2.154	1.713	
8:45	15.89	1.16	2.217	0.672		21:30	15.19	1.01	1.811	1.731	
9:00	15.77	1.15	2.166	0.694		21:45	15.08	1.09	1.943	1.752	
9:15	15.69	1.05	1.971	0.715		22:00	15.00	1.18	2.077	1.773	0.01
9:30	15.43	1.23	2.257	0.738		22:15	14.81	1.19	2.059	1.795	
9:45	15.37	1.14	2.080	0.760		22:30	14.57	1.04	1.758	1.813	
10:00	15.21	1.09	1.963	0.780		22:45	14.39	1.20	2.007	1.834	
10:15	15.02	1.14	2.018	0.801		23:00	14.26	1.21	1.991	1.855	
10:30	14.96	1.13	1.990	0.822		23:15	14.06	1.05	1.695	1.872	
10:45	14.90	1.13	1.976	0.843		23:30	13.87	1.12	1.780	1.891	
11:00	14.75	1.11	1.923	0.863		23:45	13.68	1.11	1.733	1.909	
11:15	14.78	1.08	1.876	0.882		<b>Daily Totals:</b>		1.733		<b>1.909</b>	<b>0.05</b>
11:30	14.67	1.19	2.044	0.904		<b>Data reported every:</b>	15 Minutes				
11:45	14.72	1.11	1.916	0.924							
12:00	14.71	1.09	1.876	0.943							
12:15	14.98	1.05	1.854	0.962							



# Daily Flow Report



Site:

3

Middlesex Circle Easement

Waltham, MA

36" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/20/2014</b>						12:30	14.61	1.19	2.024	0.966	
0:00	13.33	1.07	1.604	0.017		12:45	14.50	1.03	1.736	0.984	
0:15	13.15	1.08	1.597	0.033		13:00	14.52	1.10	1.861	1.003	
0:30	13.09	1.11	1.626	0.050		13:15	14.56	1.25	2.124	1.025	
0:45	12.85	1.04	1.489	0.066		13:30	14.54	1.14	1.930	1.045	
1:00	12.80	1.11	1.574	0.082		13:45	14.44	1.18	1.978	1.066	
1:15	12.63	1.10	1.528	0.098		14:00	14.51	1.11	1.866	1.085	
1:30	12.44	1.07	1.458	0.113		14:15	14.55	1.07	1.820	1.104	
1:45	12.46	1.08	1.478	0.129		14:30	14.52	1.16	1.961	1.125	
2:00	12.38	1.11	1.506	0.144		14:45	14.37	1.08	1.803	1.144	
2:15	12.31	1.06	1.421	0.159		15:00	14.25	1.14	1.882	1.163	
2:30	12.25	1.05	1.402	0.174		15:15	14.15	1.10	1.789	1.182	
2:45	12.19	1.08	1.428	0.189		15:30	14.16	1.10	1.794	1.200	
3:00	12.08	1.04	1.360	0.203		15:45	14.10	1.10	1.787	1.219	
3:15	12.09	1.07	1.399	0.217		16:00	14.29	1.01	1.662	1.236	
3:30	12.09	1.09	1.435	0.232		16:15	14.29	1.11	1.841	1.256	
3:45	12.06	1.04	1.362	0.247		16:30	14.31	1.09	1.808	1.274	
4:00	12.13	1.11	1.467	0.262		16:45	14.49	1.10	1.857	1.294	
4:15	12.17	1.00	1.321	0.276		17:00	14.58	1.13	1.912	1.314	
4:30	12.34	1.12	1.507	0.291		17:15	14.59	1.08	1.836	1.333	
4:45	12.51	1.20	1.651	0.308		17:30	14.82	1.07	1.860	1.352	
5:00	12.59	1.11	1.542	0.325		17:45	14.87	1.15	2.002	1.373	
5:15	12.73	1.13	1.587	0.341		18:00	15.08	1.27	2.260	1.397	
5:30	13.18	1.10	1.626	0.358		18:15	15.16	1.23	2.202	1.420	
5:45	13.80	1.17	1.842	0.377		18:30	15.28	1.04	1.891	1.439	
6:00	14.42	1.17	1.952	0.398		18:45	15.25	1.15	2.086	1.461	
6:15	15.03	1.12	1.985	0.418		19:00	15.33	1.03	1.878	1.481	
6:30	15.85	1.14	2.176	0.441		19:15	15.34	1.02	1.851	1.500	
6:45	16.27	1.20	2.363	0.465		19:30	15.45	1.12	2.067	1.521	
7:00	16.59	1.20	2.419	0.491		19:45	15.41	1.11	2.029	1.542	
7:15	16.77	1.03	2.102	0.513		20:00	15.42	1.16	2.131	1.565	
7:30	16.62	1.09	2.206	0.536		20:15	15.24	1.16	2.093	1.586	
7:45	16.58	1.14	2.304	0.560		20:30	15.23	1.12	2.021	1.608	
8:00	16.34	1.26	2.502	0.586		20:45	15.25	1.11	2.008	1.628	
8:15	16.20	1.19	2.335	0.610		21:00	15.14	1.10	1.974	1.649	
8:30	16.03	1.13	2.178	0.633		21:15	15.18	1.15	2.069	1.671	
8:45	15.67	1.15	2.151	0.655		21:30	15.21	1.15	2.078	1.692	
9:00	15.44	1.20	2.207	0.678		21:45	15.10	1.14	2.029	1.713	
9:15	15.36	1.23	2.238	0.701		22:00	15.12	1.20	2.137	1.736	
9:30	15.32	1.12	2.029	0.722		22:15	15.09	1.21	2.149	1.758	
9:45	15.21	1.14	2.048	0.744		22:30	14.70	1.03	1.773	1.776	
10:00	15.06	1.10	1.955	0.764		22:45	14.43	1.09	1.833	1.796	
10:15	14.91	1.08	1.883	0.784		23:00	14.18	1.16	1.893	1.815	
10:30	14.99	1.13	2.001	0.805		23:15	13.98	1.15	1.852	1.835	
10:45	15.00	1.02	1.796	0.823		23:30	13.77	1.08	1.702	1.852	
11:00	14.77	1.11	1.920	0.843		23:45	13.58	1.10	1.694	1.870	
11:15	14.75	1.20	2.078	0.865		<b>Daily Totals:</b>		1.694		<b>1.870</b>	<b>0.00</b>
11:30	14.59	1.11	1.895	0.885		<b>Data reported every:</b>	15 Minutes				
11:45	14.58	1.18	2.000	0.906							
12:00	14.67	1.11	1.896	0.925							
12:15	14.64	1.08	1.848	0.945							

# Daily Flow Report



Site:

3

Middlesex Circle Easement

Waltham, MA

36" Circular line

Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)	Time	Depth (in)	Velocity (fps)	Flow (mgd)	Cumm Flow (mg)	Rain (in)
<b>5/21/2014</b>						12:30				0.681	
0:00	13.33	1.06	1.592	0.017		12:45				0.681	
0:15	13.09	1.09	1.604	0.033		13:00				0.681	
0:30	12.90	1.19	1.709	0.051		13:15				0.681	
0:45	12.72	1.04	1.459	0.066		13:30				0.681	
1:00	12.57	1.04	1.440	0.081		13:45				0.681	
1:15	12.39	1.04	1.417	0.096		14:00				0.681	
1:30	12.29	1.04	1.392	0.111		14:15				0.681	
1:45	12.20	1.07	1.417	0.125		14:30				0.681	
2:00	12.11	1.05	1.375	0.140		14:45				0.681	
2:15	12.14	1.05	1.391	0.154		15:00				0.681	
2:30	12.10	1.06	1.396	0.169		15:15				0.681	
2:45	12.09	1.05	1.378	0.183		15:30				0.681	
3:00	12.01	1.12	1.455	0.198		15:45				0.681	
3:15	11.92	1.13	1.453	0.213		16:00				0.681	
3:30	11.97	1.05	1.358	0.227		16:15				0.681	
3:45	12.05	1.03	1.342	0.241		16:30				0.681	
4:00	12.01	1.12	1.453	0.257		16:45				0.681	
4:15	12.00	1.03	1.336	0.270		17:00				0.681	
4:30	12.12	1.00	1.321	0.284		17:15				0.681	
4:45	12.31	1.04	1.395	0.299		17:30				0.681	
5:00	12.41	1.03	1.403	0.313		17:45				0.681	
5:15	12.68	1.08	1.511	0.329		18:00				0.681	
5:30	13.08	1.07	1.563	0.345		18:15				0.681	
5:45	13.58	1.02	1.565	0.362		18:30				0.681	
6:00	14.20	1.13	1.851	0.381		18:45				0.681	
6:15	14.80	1.14	1.969	0.402		19:00				0.681	
6:30	15.53	1.20	2.229	0.425		19:15				0.681	
6:45	16.15	1.16	2.271	0.448		19:30				0.681	
7:00	16.32	1.18	2.326	0.473		19:45				0.681	
7:15	16.63	1.15	2.333	0.497		20:00				0.681	
7:30	16.54	1.24	2.495	0.523		20:15				0.681	
7:45	16.36	1.33	2.633	0.550		20:30				0.681	
8:00	16.20	1.12	2.191	0.573		20:45				0.681	
8:15	16.01	1.01	1.950	0.593		21:00				0.681	
8:30	15.80	1.07	2.030	0.615		21:15				0.681	
8:45	15.66	1.11	2.071	0.636		21:30				0.681	
9:00	15.34	1.14	2.078	0.658		21:45				0.681	
9:15	15.23	1.25	2.246	0.681		22:00				0.681	
9:30				0.681		22:15				0.681	
9:45				0.681		22:30				0.681	
10:00				0.681		22:45				0.681	
10:15				0.681		23:00				0.681	
10:30				0.681		23:15				0.681	
10:45				0.681		23:30				0.681	
11:00				0.681		23:45				0.681	
11:15				0.681		<b>Daily Totals:</b>				<b>0.681</b>	<b>0.00</b>
11:30				0.681		<b>Data reported every:</b>	15 Minutes				
11:45				0.681							
12:00				0.681							
12:15				0.681							