

Appendix D
DEP Bills of Lading



Massachusetts Department of Environmental Protection
 Bureau of Waste Site Cleanup

BWSC-012A

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number*

3 - 22408

A. LOCATION OF SITE OR DISPOSAL SITE WHERE REMEDIATION WASTE WAS GENERATED:

Release Name (optional): Former Raytheon Facility

Street: 430 Boston Post Road Location Aid: UTM N: 4,693,176 E: 304,890

City/Town: Wayland ZIP Code: 01778

Date/Period of Generation: 25 Jul 2007 to: 27 Aug 2007

Additional Release Tracking Numbers Associated with this Bill of Lading: None

* Note: If this Bill of Lading is the result of a Limited Removal Action (LRA) taken prior to Notification, a Release Tracking Number is not needed.

B. PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING:

Name of Organization: Raytheon Company

Name of Contact: Louis P. Burkhardt Title: Senior Environmental Engineer

Street: 880 Technology Park Drive, MS 2-2124-01

City/Town: Billerica State: MA ZIP Code: 01821

Telephone: (978) 436-8238 Ext.: _____

C. RELATIONSHIP TO RELEASE OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING:

RP or PRP Specify: Owner Operator Generator Transporter Other RP or PRP: _____

Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)

Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))

Other Person: _____

If an owner and/or operator is not conducting the response action associated with the Bill of Lading, provide on an attachment the name, contact person, address and telephone number, including any area code and extension, for each, if known.

D. TRANSPORTER OR COMMON CARRIER INFORMATION:

Transporter/Common Carrier Name: AmeriTech Environmental

Contact Person: Chris Lowe Title: _____

Street: 393 Harold Dow Hwy.

City/Town: Eliot State: ME ZIP Code: 03903

Telephone: (617) 799-7618 Ext.: _____

E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION:

Operator/Facility Name: Waste Management - TREE

Contact Person: Alan Davis Title: District Manager

Street: 90 Rochester Neck Rd

City/Town: Rochester State: NH ZIP Code: 03839

Telephone: (603) 330-2165 Ext.: _____

Type of Facility: Asphalt Batch/Cold Mix Landfill/Disposal Incinerator Temporary Storage

(check one) Asphalt Batch/Hot Mix Landfill/Daily Cover Other: _____

Thermal Processing Landfill/Structural Fill

EPA Identification #: _____

Division of Hazardous Waste/Class A Permit #: _____ Division of Solid Waste Management Permit #: E5SSWSP95001

Actual/Anticipated Period of Temporary Storage (specify dates if applicable): N/A to: _____

Reason for Temporary Storage: _____



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E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION (continued) :

Temporary Storage Address:

Street: _____

City/Town: _____ State: _____ ZIP Code: _____

F. DESCRIPTION OF REMEDIATION WASTE:

(check all that apply)

[X] Contaminated Media (check all that apply): [X] Soil [] Groundwater [] Surface Water [] Other: _____

[] Contaminated Debris (check all that apply): [] Vegetation or Organic Debris [] Demolition/Construction Waste
[] Inorganic Absorbant Materials [] Other: _____

[] Non-hazardous Uncontainerized Waste (check all that apply): [] Non-aqueous Phase Liquid [] Other: _____

[] Non-hazardous Containerized Waste (check all that apply): [] Tank Bottoms/Sludges [] Containers [] Drums
[] Engineered Impoundments [] Other: _____

Type of Contamination (check all that apply): [] Gasoline [] Diesel Fuel [] #2 Oil [] #4 Oil [] #6 Oil [] Waste Oil
[] Kerosene [] Jet Fuel [X] Other: VOCs

Estimated Volume of Materials: Cubic Yards: _____ Tons: 1,000 Other: _____

Contaminant Source (check one/specify): [] Transportation Accident [] Underground Storage Tank [X] Other: Unknown

Response Action Associated with Bill of Lading (check one): [] Immediate Response Action [] Release Abatement Measure

[] Utility-Related Abatement Measure [] Limited Removal Action [X] Comprehensive Response Action [] Other _____

Remediation Waste Characterization Support Documentation attached:

[X] Site History Information [X] Sampling and Analytical Methods and Procedures [X] Laboratory Data [X] Field Screening Data

If supporting documentation is not appended, provide an attachment stating the date and in connection with what document such information was previously submitted to DEP.

G. LICENSED SITE PROFESSIONAL (LSP) OPINION:

Name of Organization: ERM-Northeast, Inc.

LSP Name: John Drobinski Title: Principal-in-Charge

Telephone: (617) 646-7800 Ext.: _____

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this submittal, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of

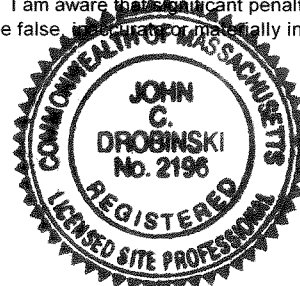
- (i) the standard of care in 309 CMR 4.02(1),
(ii) the applicable provisions of 309 CMR 4.02(2) and (3), and
(iii) the provisions of 309 CMR 4.03(5),

to the best of my knowledge, information and belief, the assessment actions undertaken to characterize the Remediation Waste which is (are) the subject of this submittal for acceptance at the facility identified in this submittal comply with the applicable provisions of 310 CMR 40.0000, and such facility is permitted to accept Remediation Waste having the characteristics described in this submittal. I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, incomplete or materially incomplete.

LSP Signature: _____ Seal:

Date: 08/27/07

License Number: 2196





Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

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H. CERTIFICATION OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:

I certify under penalties of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained herein is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

Signature: *Louis Burkhardt*

Date: 08-27-2007

Name of Person (print): LOUIS BURKHARDT



Massachusetts Department of Environmental Protection
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 City/Town: Wayland ZIP Code: 01778
 Date/Period of Generation: 25 Jul 2007 to: 27 Aug 2007
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B. PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING:

Name of Organization: Raytheon Company
 Name of Contact: Louis P. Burkhardt Title: Senior Environmental Engineer
 Street: 880 Technology Park Drive, MS 2-2124-01
 City/Town: Billerica State: MA ZIP Code: 01821
 Telephone: (978) 436-8238 Ext.: _____

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 Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)
 Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))
 Other Person: _____

If an owner and/or operator is not conducting the response action associated with the Bill of Lading, provide on an attachment the name, contact person, address and telephone number, including any area code and extension, for each, if known.

D. TRANSPORTER OR COMMON CARRIER INFORMATION:

Transporter/Common Carrier Name: AmeriTech Environmental
 Contact Person: Chris Lowe Title: _____
 Street: 393 Harold Dow Hwy.
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 Telephone: (617) 799-7618 Ext.: _____

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Operator/Facility Name: Waste Management - TREE
 Contact Person: Alan Davis Title: District Manager
 Street: 90 Rochester Neck Rd
 City/Town: Rochester State: NH ZIP Code: 03839
 Telephone: (603) 330-2165 Ext.: _____
 Type of Facility: (check one)
 Asphalt Batch/Cold Mix Landfill/Disposal Incinerator Temporary Storage
 Asphalt Batch/Hot Mix Landfill/Daily Cover Other: _____
 Thermal Processing Landfill/Structural Fill
 EPA Identification #: _____
 Division of Hazardous Waste/Class A Permit #: _____ Division of Solid Waste Management Permit #: E5SSWSP95001

Actual/Anticipated Period of Temporary Storage (specify dates if applicable): N/A to: _____

Reason for Temporary Storage:



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Release Tracking Number*

3	22408
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E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION (continued) :

Temporary Storage Address:

Street: _____

City/Town: _____ State: _____ ZIP Code: _____

F. DESCRIPTION OF REMEDIATION WASTE:

(check all that apply)

- Contaminated Media (check all that apply): Soil Groundwater Surface Water Other: _____
- Contaminated Debris (check all that apply): Vegetation or Organic Debris Demolition/Construction Waste
 Inorganic Absorbant Materials Other: _____
- Non-hazardous Uncontainerized Waste (check all that apply): Non-aqueous Phase Liquid Other: _____
- Non-hazardous Containerized Waste (check all that apply): Tank Bottoms/Sludges Containers Drums
 Engineered Impoundments Other: _____

Type of Contamination (check all that apply): Gasoline Diesel Fuel #2 Oil #4 Oil #6 Oil Waste Oil
 Kerosene Jet Fuel Other: VOCs

Estimated Volume of Materials: Cubic Yards: _____ Tons: 3,500 Other: _____

Contaminant Source (check one/specify): Transportation Accident Underground Storage Tank Other: Unknown

Response Action Associated with Bill of Lading (check one): Immediate Response Action Release Abatement Measure
 Utility-Related Abatement Measure Limited Removal Action Comprehensive Response Action Other _____

Remediation Waste Characterization Support Documentation attached:

- Site History Information Sampling and Analytical Methods and Procedures Laboratory Data Field Screening Data

If supporting documentation is not appended, provide an attachment stating the date and in connection with what document such information was previously submitted to DEP.

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Name of Organization: ERM-Northeast, Inc.

LSP Name: John Drobinski Title: Principal-in-Charge

Telephone: (617) 646-7800 Ext.: _____

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this submittal, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of

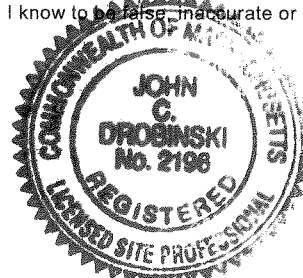
- (i) the standard of care in 309 CMR 4.02(1),
- (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and
- (iii) the provisions of 309 CMR 4.03(5),

to the best of my knowledge, information and belief, the assessment actions undertaken to characterize the Remediation Waste which is (are) the subject of this submittal for acceptance at the facility identified in this submittal comply with the applicable provisions of 310 CMR 40.0000, and such facility is permitted to accept Remediation Waste having the characteristics described in this submittal. I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete.

LSP Signature: _____ Seal: _____

Date: 09/04/07

License Number: 2196





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H. CERTIFICATION OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:

I certify under penalties of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained herein is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

Signature: 

Date: 5 September 2007

Name of Person (print): Louis J. Burkhardt

C1-Customer Summary Report

Criteria: 08/15/2007 12:00 AM to 10/18/2007 11:59 PM

Business Unit Name: WM of NH - Tree (Turnkey) - S03833 (USA)

User: ebellio

Date: Oct 18 2007, 7:25:34 AM - Central Standard Time

Operation Type: All

Customer Name: MAXYMILLIANTECH (MAXYMILLIAN TECHNOLOGIES)

Ticket Type: All

Customer Type: All

Pmt. Category: All

Ticket Date	Ticket ID	Contract Account	Customer	Generator	Profile	Truck	Material Description	Origin	Tons
8/28/2007	480146		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	8	Declassified Soil, PMT is RGC	MA	33.46
8/28/2007	480147		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	4	Declassified Soil, PMT is RGC	MA	29.22
8/28/2007	480152		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	25	Declassified Soil, PMT is RGC	MA	36.51
8/28/2007	480157		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	762	Declassified Soil, PMT is RGC	MA	34.33
8/28/2007	480165		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	TBS	Declassified Soil, PMT is RGC	MA	34.65
8/28/2007	480174		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	410	Declassified Soil, PMT is RGC	MA	32.23
8/28/2007	480183		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	419	Declassified Soil, PMT is RGC	MA	35.20
8/28/2007	480190		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	405	Declassified Soil, PMT is RGC	MA	26.79
8/28/2007	480204		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	6	Declassified Soil, PMT is RGC	MA	38.79
8/28/2007	480207		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	7	Declassified Soil, PMT is RGC	MA	32.05
8/28/2007	480311		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	762	Declassified Soil, PMT is RGC	MA	34.99
8/28/2007	480320		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	TBS	Declassified Soil, PMT is RGC	MA	35.76
8/28/2007	480336		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	8	Declassified Soil, PMT is RGC	MA	35.00
8/28/2007	480340		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	4	Declassified Soil, PMT is RGC	MA	31.78
8/28/2007	480348		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	410	Declassified Soil, PMT is RGC	MA	29.26
8/28/2007	480353		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	25	Declassified Soil, PMT is RGC	MA	31.59
8/28/2007	480359		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	419	Declassified Soil, PMT is RGC	MA	31.51
8/28/2007	480377		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	6	Declassified Soil, PMT is RGC	MA	38.45
8/28/2007	480381		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	7	Declassified Soil, PMT is RGC	MA	33.05
8/29/2007	480473		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	8	Declassified Soil, PMT is RGC	MA	37.04
8/29/2007	480478		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	7	Declassified Soil, PMT is RGC	MA	32.46
8/29/2007	480489		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	TREE493	Declassified Soil, PMT is RGC	MA	33.70
8/29/2007	480495		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	TBS	Declassified Soil, PMT is RGC	MA	36.16
8/29/2007	480500		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	6	Declassified Soil, PMT is RGC	MA	38.65
8/29/2007	480636		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	762	Declassified Soil, PMT is RGC	MA	34.24
8/29/2007	480665		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	725	Declassified Soil, PMT is RGC	MA	31.36
9/5/2007	481759		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	8	Declassified Soil, PMT is RGC	MA	33.77
9/5/2007	481762		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	7	Declassified Soil, PMT is RGC	MA	35.71
9/5/2007	481774		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	11	Declassified Soil, PMT is RGC	MA	35.63
9/5/2007	481781		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	57	Declassified Soil, PMT is RGC	MA	38.92
9/5/2007	481782		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	TBS	Declassified Soil, PMT is RGC	MA	36.66
9/5/2007	481788		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	6	Declassified Soil, PMT is RGC	MA	33.41
9/5/2007	481791		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	BRANCH	Declassified Soil, PMT is RGC	MA	33.87
9/5/2007	481794		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	12	Declassified Soil, PMT is RGC	MA	35.40
9/5/2007	481797		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	2	Declassified Soil, PMT is RGC	MA	34.95
9/5/2007	481798		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	20	Declassified Soil, PMT is RGC	MA	31.40
9/5/2007	481807		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	418	Declassified Soil, PMT is RGC	MA	35.05
9/5/2007	481855		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	10	Declassified Soil, PMT is RGC	MA	33.72
9/5/2007	481859		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	762	Declassified Soil, PMT is RGC	MA	31.96
9/5/2007	481892		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	25	Declassified Soil, PMT is RGC	MA	33.24
9/5/2007	481906		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	8	Declassified Soil, PMT is RGC	MA	36.79
9/5/2007	481913		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	11	Declassified Soil, PMT is RGC	MA	36.62
9/5/2007	481925		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	57	Declassified Soil, PMT is RGC	MA	38.58
9/5/2007	481942		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	12	Declassified Soil, PMT is RGC	MA	36.77
9/5/2007	481954		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	TBS	Declassified Soil, PMT is RGC	MA	35.64
9/5/2007	481955		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	6	Declassified Soil, PMT is RGC	MA	32.10
9/6/2007	482070		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	8	Declassified Soil, PMT is RGC	MA	31.09
9/6/2007	482083		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	12	Declassified Soil, PMT is RGC	MA	31.73
9/6/2007	482093		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	7	Declassified Soil, PMT is RGC	MA	33.33
9/6/2007	482104		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	405	Declassified Soil, PMT is RGC	MA	30.98
9/6/2007	482110		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	411	Declassified Soil, PMT is RGC	MA	33.25
9/6/2007	482115		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	8	Declassified Soil, PMT is RGC	MA	30.21
9/6/2007	482213		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	8	Declassified Soil, PMT is RGC	MA	36.67
9/6/2007	482224		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	12	Declassified Soil, PMT is RGC	MA	33.72
9/6/2007	482240		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	7	Declassified Soil, PMT is RGC	MA	35.53
9/6/2007	482254		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	411	Declassified Soil, PMT is RGC	MA	29.38
9/6/2007	482265		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	405	Declassified Soil, PMT is RGC	MA	28.50

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9/6/2007	482271		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	8	Declassified Soil, PMT is RGC	MA	30.97
9/6/2007	482291		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	20	Declassified Soil, PMT is RGC	MA	35.32
9/6/2007	482294		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	24	Declassified Soil, PMT is RGC	MA	33.45
9/6/2007	482301		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	26	Declassified Soil, PMT is RGC	MA	32.69
9/7/2007	482399		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	418	Declassified Soil, PMT is RGC	MA	31.75
9/7/2007	482407		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	411	Declassified Soil, PMT is RGC	MA	31.77
9/7/2007	482421		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	405	Declassified Soil, PMT is RGC	MA	30.64
9/7/2007	482525		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	11	Declassified Soil, PMT is RGC	MA	41.07
9/7/2007	482559		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	411	Declassified Soil, PMT is RGC	MA	31.50
9/7/2007	482560		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	405	Declassified Soil, PMT is RGC	MA	29.38
9/13/2007	483746		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	24	Declassified Soil, PMT is RGC	MA	33.34
9/13/2007	483748		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	26	Declassified Soil, PMT is RGC	MA	32.92
9/13/2007	483756		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	20	Declassified Soil, PMT is RGC	MA	34.98
9/13/2007	483764		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	29	Declassified Soil, PMT is RGC	MA	26.97
9/13/2007	483773		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	419	Declassified Soil, PMT is RGC	MA	30.92
9/13/2007	483783		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	407	Declassified Soil, PMT is RGC	MA	26.99
9/13/2007	483792		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	6	Declassified Soil, PMT is RGC	MA	35.57
9/13/2007	483901		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	418	Declassified Soil, PMT is RGC	MA	35.56
9/13/2007	483909		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	762	Declassified Soil, PMT is RGC	MA	36.77
9/13/2007	483910		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	18	Declassified Soil, PMT is RGC	MA	35.80
9/13/2007	483923		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	24	Declassified Soil, PMT is RGC	MA	35.12
9/13/2007	483930		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	26	Declassified Soil, PMT is RGC	MA	37.34
9/13/2007	483936		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	20	Declassified Soil, PMT is RGC	MA	38.11
9/13/2007	483938		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	29	Declassified Soil, PMT is RGC	MA	32.76
9/13/2007	483946		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	725	Declassified Soil, PMT is RGC	MA	35.18
9/13/2007	483950		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	7	Declassified Soil, PMT is RGC	MA	43.29
9/13/2007	483963		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	TBS	Declassified Soil, PMT is RGC	MA	39.91
9/13/2007	483966		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	419	Declassified Soil, PMT is RGC	MA	31.83
9/13/2007	483980		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	6	Declassified Soil, PMT is RGC	MA	38.46
9/13/2007	483988		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	407	Declassified Soil, PMT is RGC	MA	34.89
9/14/2007	484081		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	20	Declassified Soil, PMT is RGC	MA	34.83
9/14/2007	484089		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	26	Declassified Soil, PMT is RGC	MA	34.53
9/14/2007	484110		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	29	Declassified Soil, PMT is RGC	MA	36.02
9/14/2007	484158		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	725	Declassified Soil, PMT is RGC	MA	31.87
9/14/2007	484227		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	50	Declassified Soil, PMT is RGC	MA	34.20
9/14/2007	484228		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	51	Declassified Soil, PMT is RGC	MA	33.14
9/14/2007	484244		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	20	Declassified Soil, PMT is RGC	MA	34.33
9/14/2007	484256		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	26	Declassified Soil, PMT is RGC	MA	36.35
9/14/2007	484261		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	29	Declassified Soil, PMT is RGC	MA	29.66
9/14/2007	484309		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	8	Declassified Soil, PMT is RGC	MA	34.40
9/14/2007	484318		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	725	Declassified Soil, PMT is RGC	MA	34.38
9/17/2007	484484		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	12	Declassified Soil, PMT is RGC	MA	32.12
9/17/2007	484493		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	TBS	Declassified Soil, PMT is RGC	MA	36.62
9/17/2007	484509		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	725	Declassified Soil, PMT is RGC	MA	34.23
9/17/2007	484517		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	6	Declassified Soil, PMT is RGC	MA	30.35
9/17/2007	484521		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	7	Declassified Soil, PMT is RGC	MA	35.03
9/17/2007	484634		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	TBS	Declassified Soil, PMT is RGC	MA	36.27
9/17/2007	484644		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	12	Declassified Soil, PMT is RGC	MA	32.96
9/17/2007	484655		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	8	Declassified Soil, PMT is RGC	MA	34.52
9/17/2007	484664		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	725	Declassified Soil, PMT is RGC	MA	33.55
9/17/2007	484678		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	415	Declassified Soil, PMT is RGC	MA	32.69
9/17/2007	484682		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	6	Declassified Soil, PMT is RGC	MA	32.12
9/18/2007	484797		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	23	Declassified Soil, PMT is RGC	MA	38.74
9/18/2007	484805		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	25	Declassified Soil, PMT is RGC	MA	30.51
9/18/2007	484810		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	12	Declassified Soil, PMT is RGC	MA	34.64
9/18/2007	484840		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	409	Declassified Soil, PMT is RGC	MA	27.51
9/18/2007	484853		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	725	Declassified Soil, PMT is RGC	MA	33.17
9/18/2007	484898		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	18	Declassified Soil, PMT is RGC	MA	34.66
9/18/2007	484908		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	57	Declassified Soil, PMT is RGC	MA	34.10
9/18/2007	484927		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	762	Declassified Soil, PMT is RGC	MA	36.67
9/18/2007	484935		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	8	Declassified Soil, PMT is RGC	MA	34.51
9/18/2007	484940		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	23	Declassified Soil, PMT is RGC	MA	36.06
9/18/2007	484960		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	12	Declassified Soil, PMT is RGC	MA	37.43
9/18/2007	484982		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	25	Declassified Soil, PMT is RGC	MA	31.37
9/18/2007	484989		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	409	Declassified Soil, PMT is RGC	MA	29.58
9/18/2007	484999		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	725	Declassified Soil, PMT is RGC	MA	33.15
9/19/2007	485225		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	20	Declassified Soil, PMT is RGC	MA	37.45
9/19/2007	485238		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	15	Declassified Soil, PMT is RGC	MA	32.74

Ticket Date	Ticket ID	Contract Account	Customer	Generator	Profile	Truck	Material Description	Origin	Tons
9/19/2007	485265		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	410	Declassified Soil, PMT is RGC	MA	32.78
9/19/2007	485284		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	26	Declassified Soil, PMT is RGC	MA	34.17
9/19/2007	485291		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	762	Declassified Soil, PMT is RGC	MA	40.36
9/19/2007	485306		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	725	Declassified Soil, PMT is RGC	MA	35.36
9/19/2007	485327		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	404	Declassified Soil, PMT is RGC	MA	33.05
9/19/2007	485368		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	8	Declassified Soil, PMT is RGC	MA	32.48
10/5/2007	489181		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	18	Declassified Soil, PMT is RGC	MA	34.06
10/5/2007	489192		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	404	Declassified Soil, PMT is RGC	MA	32.95
10/5/2007	489209		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	405	Declassified Soil, PMT is RGC	MA	28.28
10/5/2007	489348		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	404	Declassified Soil, PMT is RGC	MA	27.37
10/5/2007	489381		MAXYMILLIAN TECHNOLOGIES	NE-RAYTHEONWAYLAND	100144NH	405	Declassified Soil, PMT is RGC	MA	5.73
Material Total	136								4581.11

Internal Customer	Loads	Tons
External Customer	Loads	Tons
MAXYMILLIAN TECHNOLOGIES	136	4581.11

100144NH



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012C

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

3 - 22408

ONLY COMPLETE ONE COPY OF THIS PAGE AND ATTACH TO THE FINAL COPY OF THE SUMMARY SHEET.

L. ACKNOWLEDGMENT OF RECEIPT OF REMEDIATION WASTE AT RECEIVING FACILITY OR TEMPORARY STORAGE:

Receiving Facility/Temporary Storage Representative (print):

Ellen Bellio

Title: Approvals Manager

Signature: Ellen Bellio

Date: October 18, 2007

M. ACKNOWLEDGMENT OF SHIPMENT AND RECEIPT OF REMEDIATION WASTE BY PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:

I certify under penalties of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in herein is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

Signature: _____

Date: _____

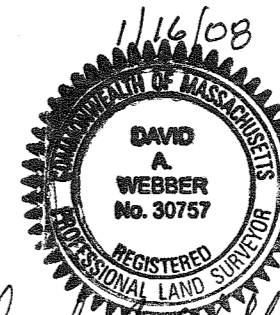
Name of Person (print): _____

Appendix E
Wetland Restoration As-Built
Plan

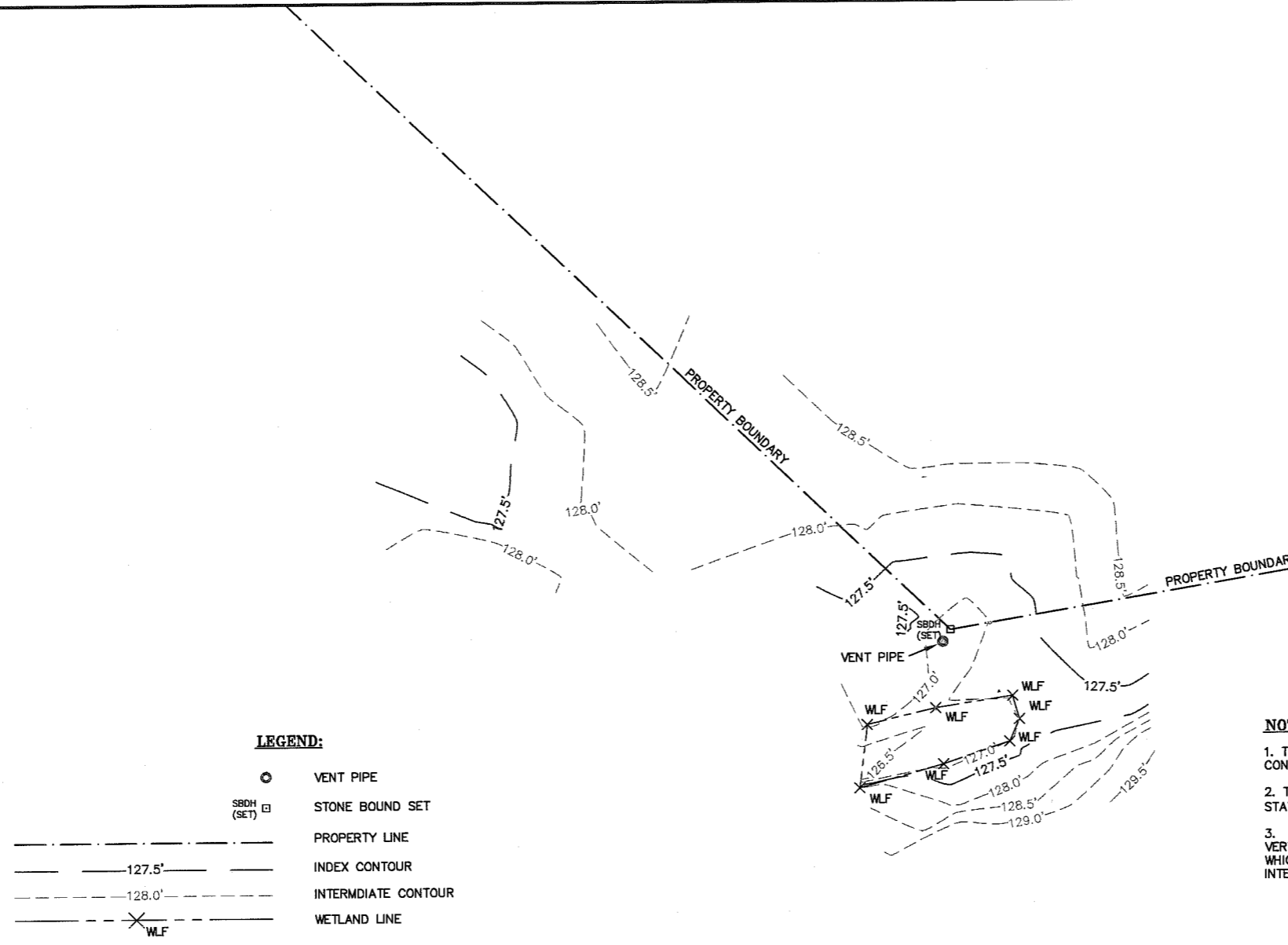


CERTIFICATION:




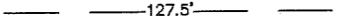
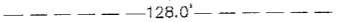
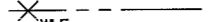
I HEREBY CERTIFY THAT THE INFORMATION EXISTS AS SHOWN HEREON.



David A. Webber
DAVID A. WEBBER, P.L.S.
REG. NO. 30757
CHAS. H. SELLS, INC.



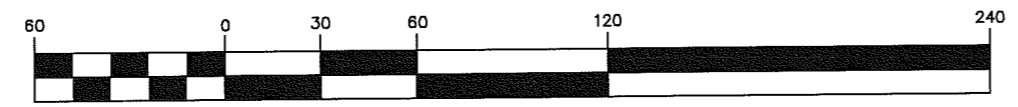
LEGEND:

-  VENT PIPE
-  STONE BOUND SET
-  PROPERTY LINE
-  INDEX CONTOUR
-  INTERMEDIATE CONTOUR
-  WETLAND LINE

NOTES

1. THIS PLAN WAS PREPARED FROM AN ACTUAL ON THE GROUND FIELD SURVEY CONDUCTED BY CHAS. H. SELLS, INC. ON JANUARY 8, 2008.
2. THE HORIZONTAL DATUM SHOWN HEREON REFERENCES THE MASSACHUSETTS STATE PLANE COORDINATE SYSTEM. (NAD83)
3. THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988. THE PRIMARY BENCHMARK REFERENCED IS MC58W WHICH IS A STANDARD USC & GS DISK IN CONCRETE. IT IS LOCATED AT THE INTERSECTION OF OLD SUDBURY ROAD AND CONCORD ROAD.

GRAPHIC SCALE



(IN FEET)
1 inch = 60 ft.

**SKETCH PLAN
AS-BUILT SURVEY
FORMER RAYTHEON FACILITY
BOSTON POST ROAD
WAYLAND, MASSACHUSETTS
PREPARED FOR
ENVIRONMENTAL RESOURCES MANAGEMENT**

CHAS. H. SELLS, INC.
165 MAIN DUNSTABLE RD. SUITES 120 & 125
NASHUA, NH 03060 (603) 595-7900
CONSULTING ENGINEERS, SURVEYORS & PHOTOGRAMMETRISTS

Drawn By	LM	Date	JANUARY 16, 2008	Job No.	073076.001
Surveyed By	JB, JL	Scale	1" = 60'	Sheet No.	1 OF 1
Checked By	DH	Book No.	N-173		

073076-001-1.dwg

Appendix F
Injection Well Construction Logs



ERM Northeast

WELL ID: IW-1

PAGE 1 OF 1

CLIENT Raytheon PROJECT NAME Wayland Lactate Injection Wells

PROJECT NUMBER 0079387 PROJECT LOCATION Wayland, MA

DATE STARTED 8/7/08 COMPLETED 8/7/08 WELL/BORING DIAMETER 4"

DRILLING CONTRACTOR Geosearch MEASURING POINT ELEVATION 130.54 ft

DRILLING METHOD Hollow Stem Auger

LOGGED BY E. Winer CHECKED BY B. Massihzadegan

NOTES _____

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID screen (ppm)	WELL DIAGRAM
0						Not sampled.		
8.0								
9.0				SW		MEDIUM SAND with little gravel, low plasticity, very moist, brown.	NM	
10.0	SS 1	75	8-8-11-10 (19)	SP		MEDIUM TO COARSE SAND low plasticity, moist, orange yellow/ light gray.	NM	
10.5	SS 2	75	6-6-11-13 (17)	SP		COARSE SAND with some gravel, low plasticity, wet, brown.	NM	
11.0	SS 3	75	6-8-15-20 (23)	MH		COARSE SAND low plasticity, moist, gray.		
11.5				SW		SILT with some clay, medium plasticity, moist, gray.		
12.0				SW		COARSE SAND with little gravel, low plasticity, moist, orange/gray.		
12.5				SW		COARSE SAND with trace gravel, liquified, wet, gray.		
13.0				SW		MEDIUM SAND with silt and clay, medium plasticity, moist, gray.		
13.3				SP		COARSE SAND with some gravel, low plasticity, moist, gray.		
14.0				SP		COARSE SAND low plasticity, wet, orange/gray.		
35.0						Not sampled.		
35.6	SS 4	79	0-2-2-3 (4)	SW		MEDIUM SAND with trace gravel, low plasticity, wet, gray.	0.0	
37.0	SS 5	92	0-4-4-8 (8)	ML		SILT AND FINE SAND low to medium plasticity, wet, gray/tan.	0.0	
37.5	SS 6	88	0-1-1-1 (2)	SM		FINE SAND AND SILT with some clay, medium plasticity, wet, gray/tan.	0.0	
39.0	SS 7	100	1-1-2-2 (3)	SM		FINE SAND with some silt and clay, low plasticity, very moist, gray/tan.	0.0	
40.0	SS 8	83	4-4-3-3 (7)	SW		Not sampled.	180.0	
41.0	SS 9	83	4-5-6-6 (11)	SW		FINE SAND with some gravel and some silt and clay, dark gray clay layers, low to medium plasticity, wet, gray.	43.6	
44.0				SM		MEDIUM SAND low plasticity, very moist, orange brown.		
46.0				SM		FINE SAND with some silt and clay, low to medium plasticity, very moist, orange brown.		
46.5				SM		FINE SAND with silt, low plasticity, very moist, gray.		
48.0				SM		FINE SAND with some silt and clay, medium plasticity, wet, orange brown.		
						SILTY FINE SAND low to medium plasticity, very moist, gray.		
						FINE SAND with some clay, medium plasticity, wet, orange brown.		
						FINE SAND with silt, low plasticity, moist, gray.		
						Bottom of hole at 47.0 feet.		

WAYLAND LACTATE INJECTION WELLS AUG 2008.GPJ 10/28/08



CLIENT Raytheon
PROJECT NUMBER 0079387
DATE STARTED 8/8/08 **COMPLETED** 8/11/08
DRILLING CONTRACTOR Geosearch
DRILLING METHOD Hollow Stem Auger
LOGGED BY E. Winer **CHECKED BY** B. Massihzadegan
NOTES _____

PROJECT NAME Wayland Lactate Injection Wells
PROJECT LOCATION Wayland, MA
WELL/BORING DIAMETER 4"
MEASURING POINT ELEVATION 129.34 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0			Not sampled.	
10				
20				
30				
40				
47.0			Bottom of hole at 47.0 feet.	
50				

WAYLAND LACTATE INJECTION WELLS AUG 2008 GPJ 10/28/08

- Portland grout (13 lbs/gal)
- Bentonite chips
- Filter sand (#2) pack
- 10' PVC screen (0.010" slot)



ERM Northeast

WELL ID: IW-3

PAGE 1 OF 1

CLIENT Raytheon PROJECT NAME Wayland Lactate Injection Wells

PROJECT NUMBER 0079387 PROJECT LOCATION Wayland, MA

DATE STARTED 8/7/08 COMPLETED 8/8/08 WELL/BORING DIAMETER 4"

DRILLING CONTRACTOR Geosearch MEASURING POINT ELEVATION 129.65 ft

DRILLING METHOD Hollow Stem Auger

LOGGED BY E. Winer CHECKED BY B. Massihzadegan

NOTES _____

WAYLAND LACTATE INJECTION WELLS AUG 2008.GPJ 10/28/08

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID screen (ppm)	WELL DIAGRAM
0						Not sampled.		
10								
20								Portland grout
30								
35.0								
36.0	SS 1	75	0-1-2-2 (3)	SW	[Symbol]	FINE SAND with some medium sand and gravel, low plasticity, wet, gray/tan.	1.4	
37.0				MLS	[Symbol]		0.0	
38.0	SS 2	96	3-7-7-7 (14)	MLS	[Symbol]	SANDY SILT with little clay, dark gray clay layers, low to medium plasticity, wet, gray.	4.9	
39.0				SM	[Symbol]		18.4	
40.5	SS 3	88	1-2-1-3 (3)	SM	[Symbol]	SANDY SILT with trace clay, dark gray clay layers, low to medium plasticity, very moist, gray.	1.7	
41.0				SM	[Symbol]		7.7	
41.5	SS 4	100	3-6-4-4 (10)	ML	[Symbol]	FINE SAND with some silt, low plasticity, very moist, tan/orange.	23.6	
42.0				SM	[Symbol]		13.8	
43.0	SS 5	17	0-0-3-2 (3)	SM	[Symbol]	SILTY FINE SAND with little clay and gravel, dark gray clay layers, low plasticity, very moist, gray.	1.4	
44.0				SM	[Symbol]		0.2	
45.0	SS 6		4-6-4-4 (10)	SM	[Symbol]	FINE SAND with trace silt, low plasticity, very moist, orange/gray.	0.0	
47.0				MLS	[Symbol]			
						SILT with some fine sand and clay, dark gray clay layers, medium plasticity, very moist, gray.		
						FINE SAND with little silt, low plasticity, moist, orange/gray.		
						FINE SAND with little silt, low plasticity, moist, gray.		
						SILTY MEDIUM SAND with little clay, medium plasticity, wet, gray.		
						SILTY FINE SAND with little clay, dark gray clay layers, medium plasticity, very moist, gray.		
						FINE SANDY SILT low to medium plasticity, wet, gray.		
						Bottom of hole at 47.0 feet.		
40								Bentonite chips
								Filter sand (#2) pack
								10' PVC screen (0.010" slot)
								Filter sand (#2) pack



ERM Northeast

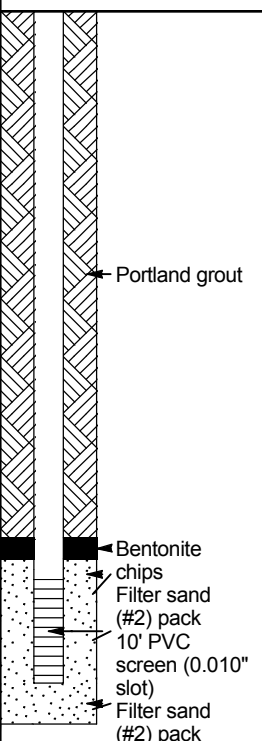
WELL ID: IW-4

PAGE 1 OF 1

CLIENT Raytheon **PROJECT NAME** Wayland Lactate Injection Wells
PROJECT NUMBER 0079387 **PROJECT LOCATION** Wayland, MA
DATE STARTED 8/14/08 **COMPLETED** 8/14/08 **WELL/BORING DIAMETER** 4"
DRILLING CONTRACTOR Geosearch **MEASURING POINT ELEVATION** 128.30 ft
DRILLING METHOD Hollow Stem Auger
LOGGED BY E. Winer **CHECKED BY** B. Massihzadegan
NOTES _____

WAYLAND LACTATE INJECTION WELLS AUG 2008 GPJ 10/28/08

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID screen (ppm)	WELL DIAGRAM
0						Not sampled.		
10								
20								
30								
40								
50								
55.0								
56.5								
57.0	SS 1	50	0-0-0-0	MLS		FINE SANDY SILT with little clay and sand, dark gray clay layer, low to medium plasticity, very moist, gray.	12.5	
58.0	SS 2	67	(0)	SM			17.0	
59.0	SS 2	100	0-0-1-2	MLS		SILTY FINE SAND low plasticity, moist, gray.	3.2	
60.5	SS 3	92	(1)	SM		SILT with some fine sand and clay, medium plasticity, very moist, gray.	9.9	
61.0	SS 3	88	1-1-1-2	MLS			3.2	
62.0	SS 4	75	(2)	SM		FINE SAND with some silt, low plasticity, moist, gray.	7.8	
63.0	SS 4	92	5-6-6-6	MLS			1.7	
64.0	SS 5	83	(12)	SM			0.1	
65.5	SS 5		6-5-3-3	MLS		SILT with some fine sand and clay, dark gray clay layers, medium to high plasticity, wet, gray.	2.5	
67.0	SS 6		(8)	SM			0.0	
68.0	SS 6		0-1-2-2	MLS		FINE SAND with some silt, low plasticity, moist, gray.	0.0	
69.0	SS 7		(3)	MLS			0.0	
70.0	SS 7		7-9-12-10	SP		FINE SANDY SILT with little clay and gravel, dark gray clay layer, medium plasticity, wet, gray.	0.6	
71.0	SS 8		(21)	MLS			0.0	
	SS 8		2-2-1-1	SM		SILTY FINE SAND low plasticity, very moist, gray.		
			(3)			FINE SANDY SILT with some clay, dark gray clay layers, medium plasticity, wet, gray.		
						SILTY FINE SAND low plasticity, very moist, gray.		
						SILT with some fine sand and clay, dark gray clay layers, low to medium plasticity, very moist, gray.		
						SILT with some fine sand and clay, dark gray clay layers, low to medium plasticity, wet, gray.		
						FINE SAND low plasticity, moist, gray.		
						SILT with some fine sand and clay, dark gray clay layers, medium plasticity, wet, gray.		
						SILTY FINE SAND low plasticity, very moist, gray.		
						Bottom of hole at 69.0 feet.		





ERM Northeast

WELL ID: IW-5

PAGE 1 OF 1

CLIENT Raytheon PROJECT NAME Wayland Lactate Injection Wells
 PROJECT NUMBER 0079387 PROJECT LOCATION Wayland, MA
 DATE STARTED 8/14/08 COMPLETED 8/15/08 WELL/BORING DIAMETER 4"
 DRILLING CONTRACTOR Geosearch MEASURING POINT ELEVATION 128.26 ft
 DRILLING METHOD Hollow Stem Auger
 LOGGED BY E. Winer CHECKED BY B. Massihzadegan
 NOTES _____

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0			Not sampled.	
10				
20				
30				Portland grout
40				
50				
60				Bentonite chips Filter sand (#2) pack 10' PVC screen (0.010" slot)
65.0			Bottom of hole at 65.0 feet.	
70				
80				
90				
100				

WAYLAND LACTATE INJECTION WELLS LACTATE INJECTION WELLS AUG 2008 GPJ 10/28/08



ERM Northeast

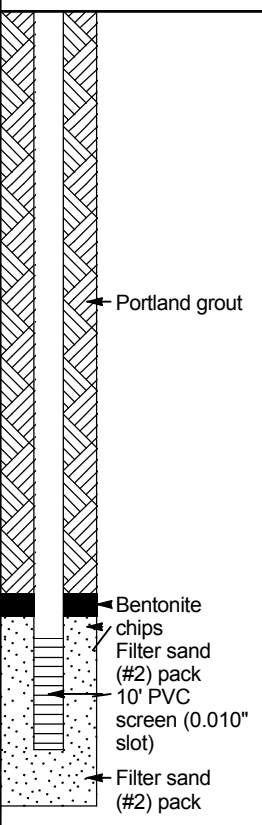
WELL ID: IW-6

PAGE 1 OF 1

CLIENT Raytheon PROJECT NAME Wayland Lactate Injection Wells
 PROJECT NUMBER 0079387 PROJECT LOCATION Wayland, MA
 DATE STARTED 8/11/08 COMPLETED 8/11/08 WELL/BORING DIAMETER 4"
 DRILLING CONTRACTOR Geosearch MEASURING POINT ELEVATION 128.01 ft
 DRILLING METHOD Hollow Stem Auger
 LOGGED BY E. Winer CHECKED BY B. Massihzadegan
 NOTES _____

WAYLAND LACTATE INJECTION WELLS AUG 2008.GPJ 10/28/08

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID screen (ppm)	WELL DIAGRAM
0						Not sampled.		
10								
20								
30								
40								
50								
55.0								
56.0	SS 1	92	5-7-7-7	MH		SILT with some clay, dark gray clay layers, medium plasticity, moist, gray.	0.0	
57.0		83	(14)	SM			4.0	
58.0	SS 2	71	2-2-2-2	SM		SILTY FINE SAND with trace clay, low plasticity, moist, gray.	2.9	
59.0		100	(4)	MLS			1.4	
59.8	SS 3	75	1-1-1-2	MLS		SILTY FINE SAND with little gravel, low plasticity, moist, gray.	6.7	
61.0		100	(2)	SM			7.2	
62.2	SS 4	92	6-7-11-11	SM		SANDY SILT low plasticity, moist, gray.	6.8	
63.0		83	(18)	MLS			0.6	
63.5	SS 5		6-7-8-6	MLS		SILT with some fine sand and clay, dark gray clay layers, medium plasticity, very moist, gray.	2.4	
65.0			(15)	SM			0.9	
66.0	SS 6		0-4-6-6	SM		FINE SAND with some silt, low plasticity, very moist, gray.	0.5	
67.0			(10)	SM			0.3	
69.0	SS 7		2-2-4-4	SM		SILTY FINE SAND low plasticity, moist, gray.	0.5	
71.0			(6)	SM			0.7	
	SS 8		6-4-4-7			FINE SANDY SILT low to medium plasticity, moist, gray.		
			(8)			SILT with some clay and coarse sand, medium plasticity, moist, gray.		
						SANDY SILT low plasticity, wet, gray.		
						SILTY FINE SAND with little clay, dark gray clay layers, low to medium plasticity, moist, gray.		
						FINE SAND with some silt, low plasticity, moist, gray.		
						SILTY FINE SAND with little clay, dark gray clay layers, low plasticity, very moist, gray.		
						SILTY FINE SAND with little clay and gravel, dark gray clay layers, low to medium plasticity, very moist, gray.		
						Bottom of hole at 71.0 feet.		





ERM Northeast

WELL ID: IW-7

PAGE 1 OF 1

CLIENT Raytheon **PROJECT NAME** Wayland Lactate Injection Wells

PROJECT NUMBER 0079387 **PROJECT LOCATION** Wayland, MA

DATE STARTED 8/12/08 **COMPLETED** 8/12/08 **WELL/BORING DIAMETER** 4"

DRILLING CONTRACTOR Geosearch **MEASURING POINT ELEVATION** 127.93 ft

DRILLING METHOD Hollow Stem Auger

LOGGED BY E. Winer **CHECKED BY** B. Massihzadegan

NOTES _____

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID screen (ppm)	WELL DIAGRAM
0						Not sampled.		
10								
20								
30								
40								
50								
55.0								
57.0	SS 1	92	0-2-3-3 (5)	SM	[Graphic Log Pattern]	SILTY FINE SAND with little clay and gravel, dark gray clay layers, low to medium plasticity, very moist, gray.	1.5	
57.8		100		MLS			1.6	
59.0	SS 2	92	0-3-5-8 (8)	SM	[Graphic Log Pattern]	SANDY SILT with some clay, low to medium plasticity, very moist, gray.	0.7	
60.5		75		MLS			4.4	
61.6	SS 3	92	2-3-5-6 (8)	SM	[Graphic Log Pattern]	FINE SAND with little silt, low plasticity, moist, gray.	0.8	
63.0		92		MLS			7.9	
63.8	SS 4	100	3-4-4-4 (8)	MLS	[Graphic Log Pattern]	FINE SANDY SILT with little clay and gravel, dark gray clay layers, low to medium plasticity, moist, gray.	1.9	
65.0				SM			0.0	
66.5	SS 5		4-6-7-4 (13)	MLS			0.0	
67.0				SW			0.0	
67.6	SS 6		1-3-4-2 (7)	MLS			0.0	
69.0				SM			0.0	
70.0	SS 7		7-8-11-10 (19)				0.0	
							0.0	
							0.0	
							0.0	
							0.0	
							0.0	
							0.0	
							0.0	
							0.0	

Bottom of hole at 70.0 feet.

WAYLAND LACTATE INJECTION WELLS AUG 2008.GPJ 10/28/08



ERM Northeast

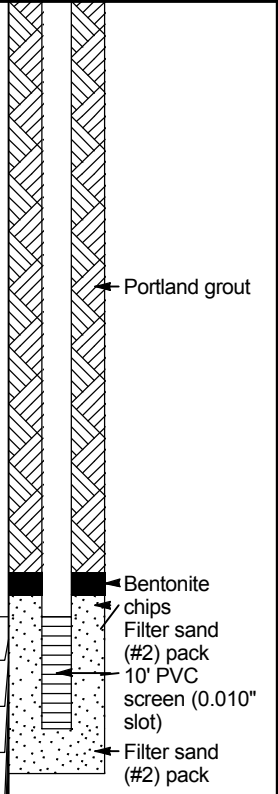
WELL ID: IW-8

PAGE 1 OF 1

CLIENT Raytheon PROJECT NAME Wayland Lactate Injection Wells
 PROJECT NUMBER 0079387 PROJECT LOCATION Wayland, MA
 DATE STARTED 8/12/08 COMPLETED 8/13/08 WELL/BORING DIAMETER 4"
 DRILLING CONTRACTOR Geosearch MEASURING POINT ELEVATION 128.48 ft
 DRILLING METHOD Hollow Stem Auger
 LOGGED BY E. Winer CHECKED BY B. Massihzadegan
 NOTES _____

WAYLAND LACTATE INJECTION WELLS LACTATE INJECTION WELLS AUG 2008.GPJ 10/28/08

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID screen (ppm)	WELL DIAGRAM
0						Not sampled.		
10								
20								
30								
40								
50								
55.0								
56.3	SS 1	100	3-4-5-7 (9)	MLS		FINE SANDY SILT with little clay and gravel, low to medium plasticity, very moist, gray.	0.0	
57.0				SM			0.0	
58.2	SS 2	83	3-3-4-4 (7)	MLS		SILTY FINE SAND with little clay, dark gray clay layers, low plasticity, moist, gray.	10.5	
59.0				SM			5.7	
60.0	SS 3	92	0-2-3-3 (5)	MLS		FINE SANDY SILT with some gravel and clay, dark gray clay layers, low to medium plasticity, wet, gray.	4.2	
61.0				SW			1.3	
61.6	SS 4	96	0-5-6-5 (11)	MLS		FINE SAND with little silt, low plasticity, moist, gray.	3.7	
62.0				SM			1.7	
63.0	SS 5	75	5-3-3-4 (6)	MLS		SILT with some sand and gravel, dark gray clay layers, medium plasticity, wet, gray.	2.4	
64.0				SM			2.9	
65.0	SS 6		1-3-6-4 (9)	MLS		FINE SAND with some silt and clay, dark gray clay layers, low plasticity, moist, gray.	2.1	
66.5				SM			1.8	
67.0	SS 7		0-5-5-6 (10)	MLS		SILT with some sand and gravel, medium plasticity, wet, gray.	1.0	
69.0				SM		SANDY SILT with little clay, medium plasticity, very moist, gray.		
						FINE SAND with some silt, low plasticity, moist, gray/brown.		
						FINE SANDY SILT with little clay and sand, dark gray clay layers, medium plasticity, wet, gray.		
						FINE SAND with silt, low plasticity, very moist, gray.		
						FINE SANDY SILT with little clay and gravel, dark gray clay layers, medium plasticity, very moist, gray.		
						SILTY FINE SAND low plasticity, moist, gray.		
						SILTY FINE SAND with little clay, dark gray clay layers, low plasticity, very moist, gray.		
						Bottom of hole at 69.0 feet.		





ERM Northeast

WELL ID: IW-9

PAGE 1 OF 1

CLIENT Raytheon PROJECT NAME Wayland Lactate Injection Wells

PROJECT NUMBER 0079387 PROJECT LOCATION Wayland, MA

DATE STARTED 8/13/08 COMPLETED 8/14/08 WELL/BORING DIAMETER 4"

DRILLING CONTRACTOR Geosearch MEASURING POINT ELEVATION 128.13 ft

DRILLING METHOD Hollow Stem Auger

LOGGED BY E. Winer CHECKED BY B. Massihzadegan

NOTES _____

WAYLAND LACTATE INJECTION WELLS LACTATE INJECTION WELLS AUG 2008.GPJ 10/28/08

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID screen (ppm)	WELL DIAGRAM
0						Not sampled.		
10								
20								
30								
40								
50								
55.0								
57.0	SS 1	100	1-3-3-4 (6)	MLS		SILT with some fine sand and clay, dark gray clay layers, low to medium plasticity, wet, gray/tan.	0.0	
59.0		100		MLS			0.0	
60.0	SS 2	83	1-3-4-6 (7)	MH		SILT with some fine sand and clay, dark gray clay layers, medium plasticity, very moist, gray/brown.	0.0	
61.0		92		SM			0.0	
62.0	SS 3		0-4-5-7 (9)	MLS		SILT with some fine sand and clay, dark gray clay layers, high plasticity, wet, gray.	0.0	
63.0				SM			0.0	
64.6	SS 4		1-1-3-4 (4)	MLS		FINE SAND with little silt, low plasticity, very moist, gray.	0.0	
65.0				SM			0.0	
67.0	SS 5		0-5-8-5 (13)			SILT with some fine sand and clay, medium plasticity, wet, gray/brown.	0.0	
						FINE SAND with some silt, low plasticity, wet, gray.	0.0	
						FINE SANDY SILT with little clay and coarse sand, dark gray clay layers, medium plasticity, very moist, gray.	0.0	
						SILTY FINE SAND low plasticity, moist, gray.	0.0	
						Not sampled.	0.0	
						Bottom of hole at 67.0 feet.		

Portland grout

Bentonite chips
Filter sand (#2) pack
10' PVC screen (0.010" slot)
Filter sand (#2) pack



ERM Northeast

WELL ID: MW-560

PAGE 1 OF 1

CLIENT Raytheon PROJECT NAME Wayland Lactate Injection Wells

PROJECT NUMBER 0079387 PROJECT LOCATION Wayland, MA

DATE STARTED 8/15/08 COMPLETED 8/15/08 WELL/BORING DIAMETER 2"

DRILLING CONTRACTOR Geosearch MEASURING POINT ELEVATION 127.23 ft

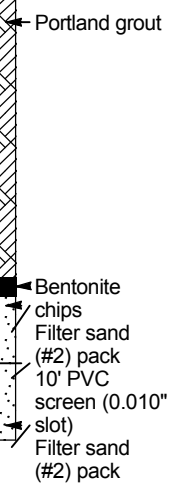
DRILLING METHOD Hollow Stem Auger

LOGGED BY E. Winer CHECKED BY B. Massihzadegan

NOTES _____

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID screen (ppm)	WELL DIAGRAM
0						Not sampled.		
10								
20								
30								
40								
50								
51	SS 1	83	2-4-3-4 (7)	MH	50.0	SILT with some clay, medium plasticity, moist, gray.	0.0	
52		100		MH	52.1		0.0	
53	SS 2	100	0-0-4-5 (4)	MH	54.0	SILT with some clay, medium plasticity, moist, brown.	0.0	
54		100		MLS	56.0		0.0	
55	SS 3	100	4-5-4-4 (9)	MLS	57.0	SILT with some clay, medium plasticity, moist, gray/brown.	0.0	
56		100		SM	58.0		0.0	
57	SS 4	75	0-1-2-3 (3)	MLS	60.0	SILT with some fine sand and clay, dark gray clay layers, low to medium plasticity, very moist, gray/brown.	0.0	
58		100		MLS	61.6		0.0	
59	SS 5	75	1-3-4-4 (7)	SM	62.0	FINE SANDY SILT with little clay, low to medium plasticity, wet, gray/tan.	0.0	
60		83		MLS	64.0		0.0	
61	SS 6		0-5-8-9 (13)	MLS	64.6	SILTY FINE SAND low plasticity, very moist, gray.	0.0	
62				MLS	65.0		0.0	
63	SS 7		0-3-3-7 (6)	SM	66.0	SILT with some fine sand and clay, dark gray clay layers, medium plasticity, very moist, gray.	0.0	
64				SM	68.0		0.0	
65	SS 8		0-0-4-3 (4)	SM	69.0	FINE SANDY SILT with little clay, dark gray clay layers, low to medium plasticity, moist, gray.	0.0	
66				MLS	70.0		0.0	
67	SS 9		0-4-6-6 (10)	SM		SILTY FINE SAND low plasticity, moist, gray.	0.0	
68							0.0	
69	SS 10		0-2-5-5 (7)			SILT with some fine sand and clay, low to medium plasticity, wet, gray.	0.0	
70						FINE SANDY SILT with little clay, low plasticity, very moist, gray.	0.0	
71						SILT with some fine sand, low plasticity, wet, gray.	0.0	
72						FINE SANDY SILT with some clay, dark gray clay layers, medium plasticity, very moist, gray.	0.0	
73						FINE SAND with some silt and clay, dark gray clay layers, low plasticity, moist, gray.	0.0	
74						SILTY FINE SAND with little clay and medium sand, dark gray clay layers, low plasticity, wet, gray.	0.0	
75						FINE SANDY SILT with little clay, medium plasticity, wet, gray.	0.0	
76						SILTY FINE SAND with some clay, dark gray clay layers, low to medium plasticity, very moist, gray.	0.0	
77							0.0	
78							0.0	
79							0.0	
80							0.0	
81							0.0	
82							0.0	
83							0.0	
84							0.0	
85							0.0	
86							0.0	
87							0.0	
88							0.0	
89							0.0	
90							0.0	
91							0.0	
92							0.0	
93							0.0	
94							0.0	
95							0.0	
96							0.0	
97							0.0	
98							0.0	
99							0.0	
100							0.0	
101							0.0	
102							0.0	
103							0.0	
104							0.0	
105							0.0	
106							0.0	
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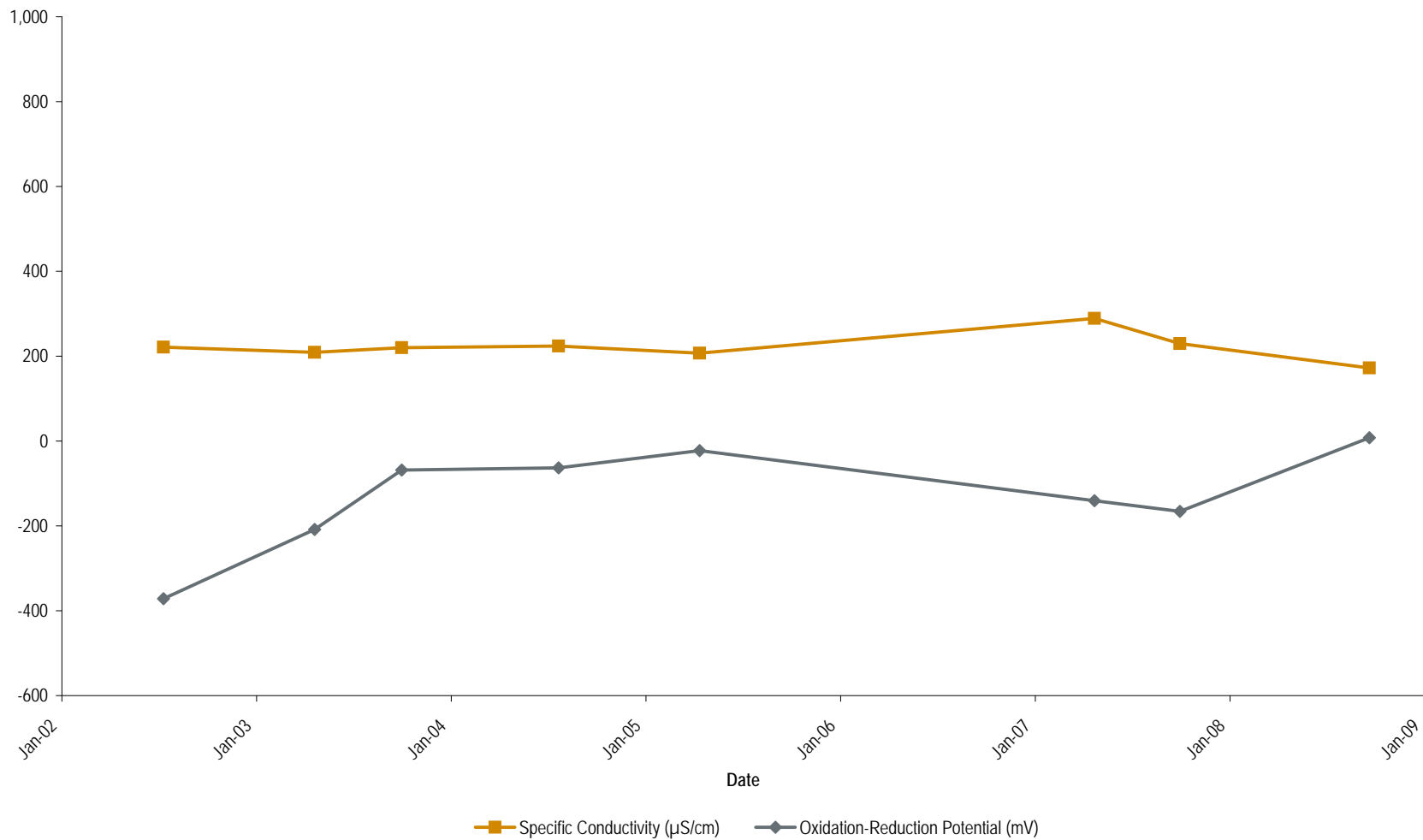
WAYLAND LACTATE INJECTION WELLS AUG 2008.GPJ 10/28/08



Bottom of hole at 70.0 feet.

Appendix G
Groundwater Geochemical
Parameters

	11-Jul-02	21-Apr-03	2-Oct-03	23-Jul-04	14-Apr-05	26-Apr-07	4-Oct-07	24-Sep-08
Groundwater Elevation (ft)	117.48	120.33	119.01	118.57	> 120.62	117.70	116.92	118.49
Temperature (°C)	12.45	10.43	12.68	13.75	9.49	8.94	14.27	16.86
Specific Conductivity (µS/cm)	221	209	220	224	207	289	230	172
Dissolved Oxygen (mg/L)	0.29	0.48	0.50	0.23	0.29	3.77	4.54	3.58
pH (std. units)	6.58	6.56	6.41	6.38	6.55	7.22	7.71	8.62
Oxidation-Reduction Potential (mV)	-371.7	-208.3	-68.2	-63.5	-22.3	-140.7	-165.8	8.0



Notes:

Sodium lactate injection conducted 26 August to 11 September 2008.

- = Not measured.

°C = Degrees Celsius.

µS/cm = Microsiemens per centimeter.

mg/L - Milligrams per liter.

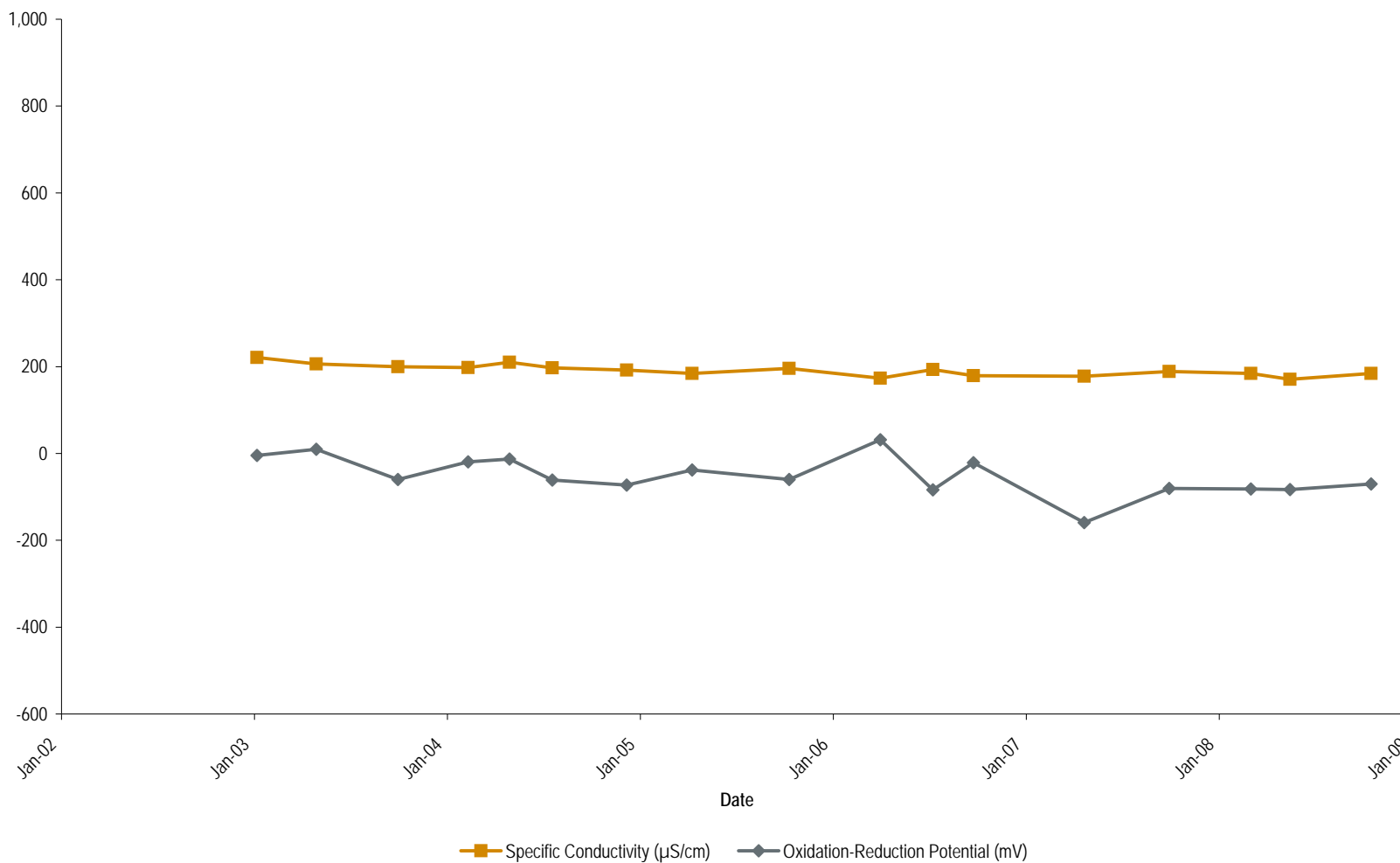
std. units = Standard units.

mV = Millivolts.

Field Parameters at DEP-19M
Former Raytheon Facility - Wayland, MA



	7-Jan-03	29-Apr-03	1-Oct-03	11-Feb-04	30-Apr-04	20-Jul-04	8-Dec-04	11-Apr-05	12-Oct-05	3-Apr-06	12-Jul-06	27-Sep-06	25-Apr-07	3-Oct-07	6-Mar-08	19-May-08	20-Oct-08
Groundwater Elevation (ft)	120.41	121.74	118.92	120.07	121.67	118.98	120.40	121.99	117.75	120.48	121.18	119.30	122.64	117.77	122.35	121.10	120.49
Temperature (°C)	7.71	12.77	12.99	7.62	12.77	15.04	12.14	10.50	11.74	9.41	16.80	11.98	10.47	14.26	8.99	10.12	14.38
Specific Conductivity (µS/cm)	221	206	200	198	210	197	192	184	196	173	193	179	178	189	184	171	184
Dissolved Oxygen (mg/L)	1.11	0.41	0.30	0.66	0.40	1.20	0.25	0.25	0.26	1.74	0.41	0.32	0.69	0.44	1.10	0.29	2.10
pH (std. units)	6.27	4.08	6.65	6.79	5.97	6.09	6.74	6.69	6.76	6.66	6.76	6.57	6.79	6.38	6.74	6.82	6.67
Oxidation-Reduction Potential (mV)	-4.7	9.4	-60.1	-19.5	-13.0	-61.1	-72.8	-38.2	-60.0	31.6	-83.9	-21.2	-159.0	-80.9	-82.1	-83.4	-70.5



Notes:

Sodium lactate injection conducted 26 August to 11 September 2008.

- = Not measured.

°C = Degrees Celsius.

µS/cm = Microsiemens per centimeter.

mg/L - Milligrams per liter.

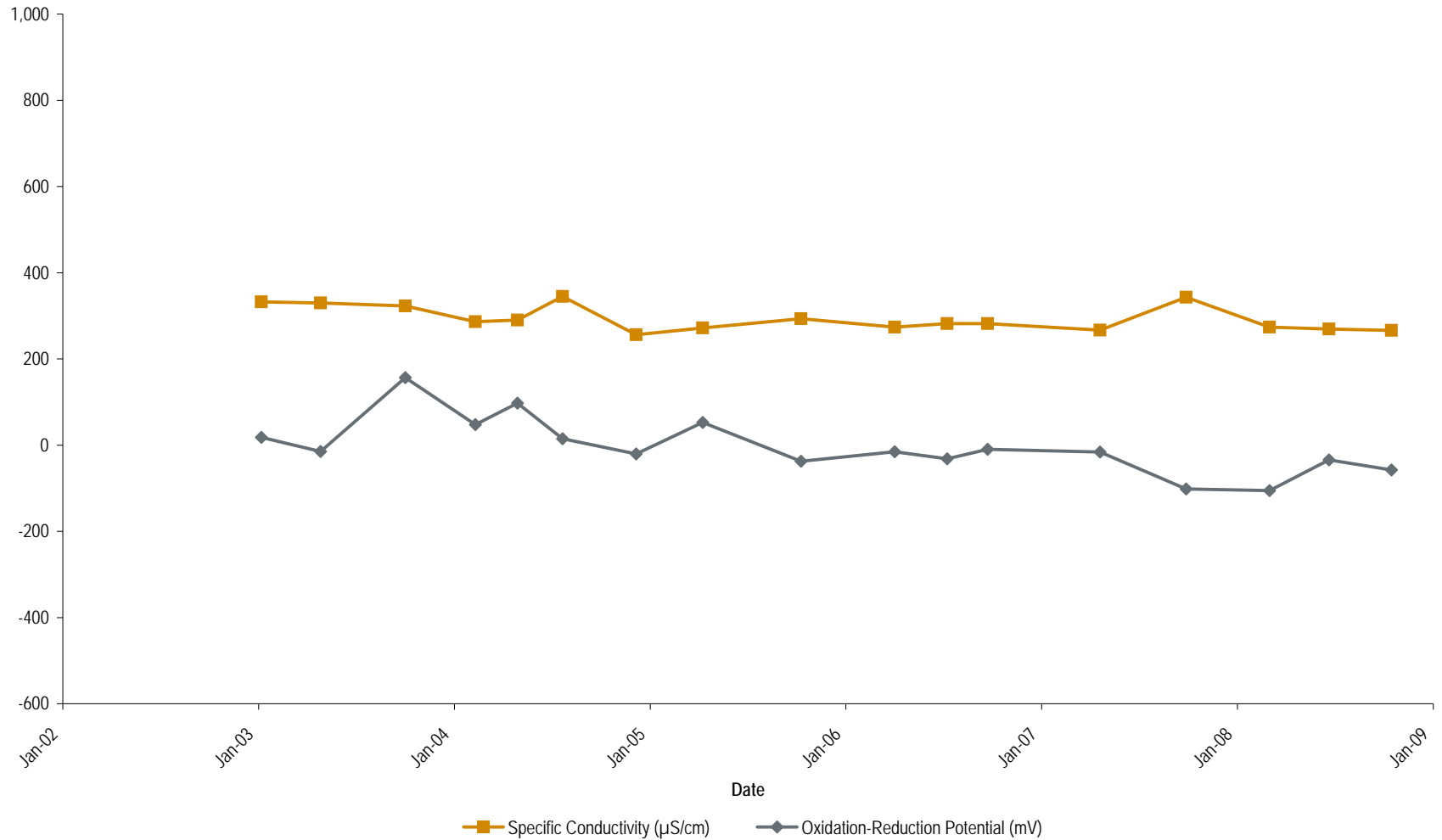
std. units = Standard units.

mV = Millivolts.

Field Parameters at MW-261S
Former Raytheon Facility - Wayland, MA



	7-Jan-03	28-Apr-03	3-Oct-03	11-Feb-04	30-Apr-04	23-Jul-04	8-Dec-04	11-Apr-05	12-Oct-05	5-Apr-06	12-Jul-06	26-Sep-06	24-Apr-07	2-Oct-07	6-Mar-08	25-Jun-08	20-Oct-08
Groundwater Elevation (ft)	119.48	119.46	118.06	119.10	120.24	118.06	119.11	120.63	116.85	119.53	120.08	118.48	121.18	117.09	120.76	119.48	119.40
Temperature (°C)	4.88	11.44	11.99	7.43	14.68	21.85	11.01	10.25	11.57	7.21	16.93	13.25	11.94	13.26	9.41	13.99	12.13
Specific Conductivity (µS/cm)	332	330	323	286	290	345	256	272	293	274	282	282	267	343	274	269	266
Dissolved Oxygen (mg/L)	0.36	0.53	0.49	0.87	0.67	0.50	0.38	0.45	0.26	0.37	0.40	0.29	0.25	0.61	0.54	0.22	0.36
pH (std. units)	6.41	6.17	5.16	6.21	5.49	5.16	6.18	6.36	6.46	6.33	6.42	6.47	6.43	6.22	6.37	6.24	7.18
Oxidation-Reduction Potential (mV)	18.0	-15.1	156.3	47.7	97.5	15.1	-20.5	52.9	-37.4	-15.4	-31.7	-10.0	-15.8	-101.7	-105.8	-34.5	-57.9



Notes:

Sodium lactate injection conducted 26 August to 11 September 2008.

- = Not measured.

°C = Degrees Celsius.

µS/cm = Microsiemens per centimeter.

mg/L - Milligrams per liter.

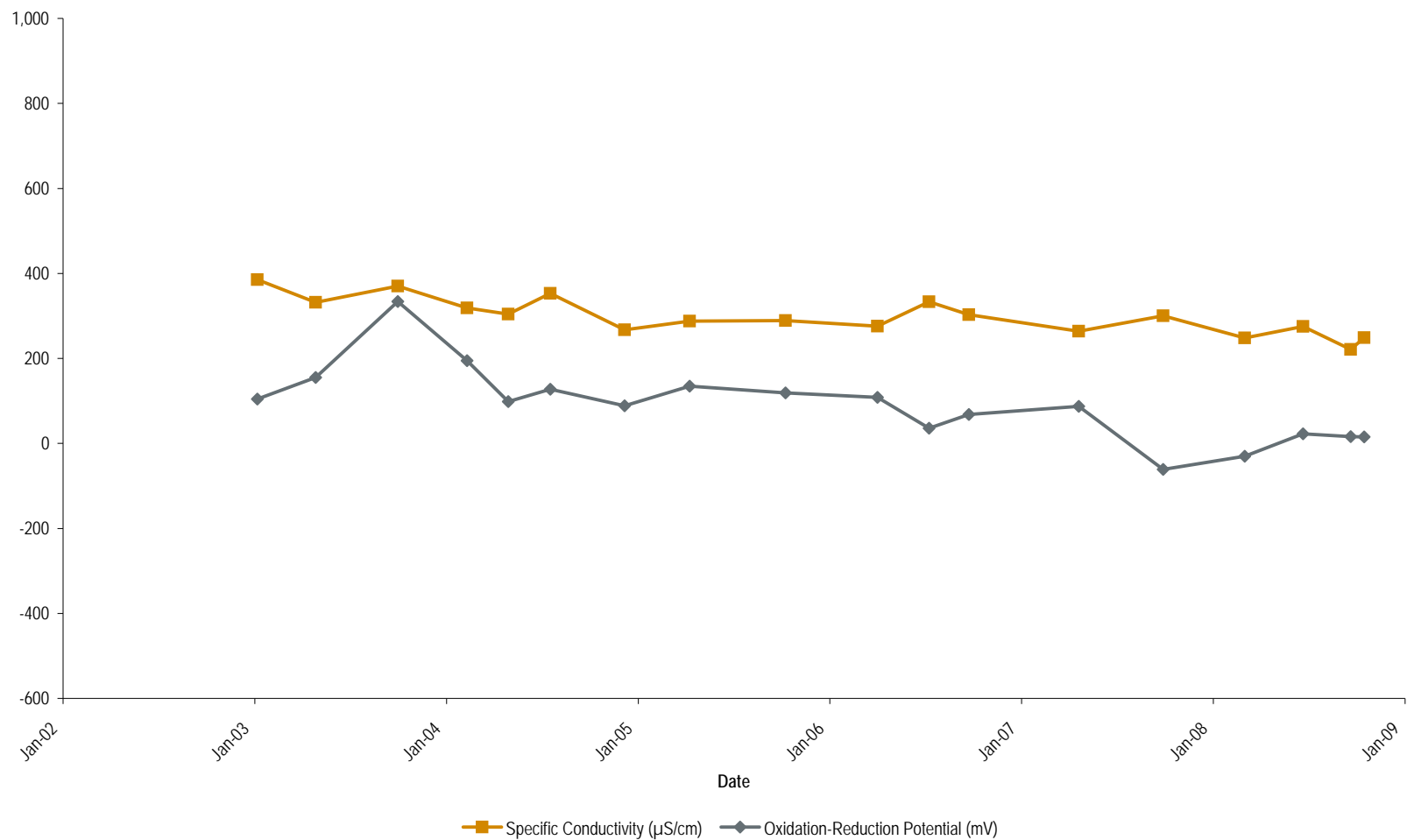
std. units = Standard units.

mV = Millivolts.

Field Parameters at MW-264M
Former Raytheon Facility - Wayland, MA



	7-Jan-03	28-Apr-03	2-Oct-03	11-Feb-04	30-Apr-04	19-Jul-04	8-Dec-04	11-Apr-05	11-Oct-05	5-Apr-06	12-Jul-06	26-Sep-06	24-Apr-07	2-Oct-07	6-Mar-08	25-Jun-08	24-Sep-08	20-Oct-08
Groundwater Elevation (ft)	119.07	120.39	118.01	119.07	120.34	118.02	119.15	120.70	116.81	119.46	120.04	119.38	121.33	117.01	120.81	119.39	119.07	119.40
Temperature (°C)	7.32	13.22	12.93	7.79	13.09	14.00	10.38	8.35	12.44	5.52	15.97	13.62	14.18	14.86	9.45	14.23	10.46	12.25
Specific Conductivity (µS/cm)	385	332	370	319	304	353	267	288	289	276	333	303	264	300	248	275	221	249
Dissolved Oxygen (mg/L)	3.77	0.45	0.41	0.58	0.70	0.32	0.39	0.68	0.46	0.67	5.60	0.57	0.71	0.67	0.37	0.39	2.33	0.56
pH (std. units)	6.00	4.67	6.08	6.26	6.25	6.31	6.05	6.35	6.54	6.31	6.34	6.02	6.40	6.06	6.31	6.23	8.04	7.10
Oxidation-Reduction Potential (mV)	104.6	155.2	333.9	194.9	98.6	127.2	88.8	134.8	118.6	108.0	35.5	68.3	87.0	-61.1	-30.1	22.3	16.1	15.4



Notes:

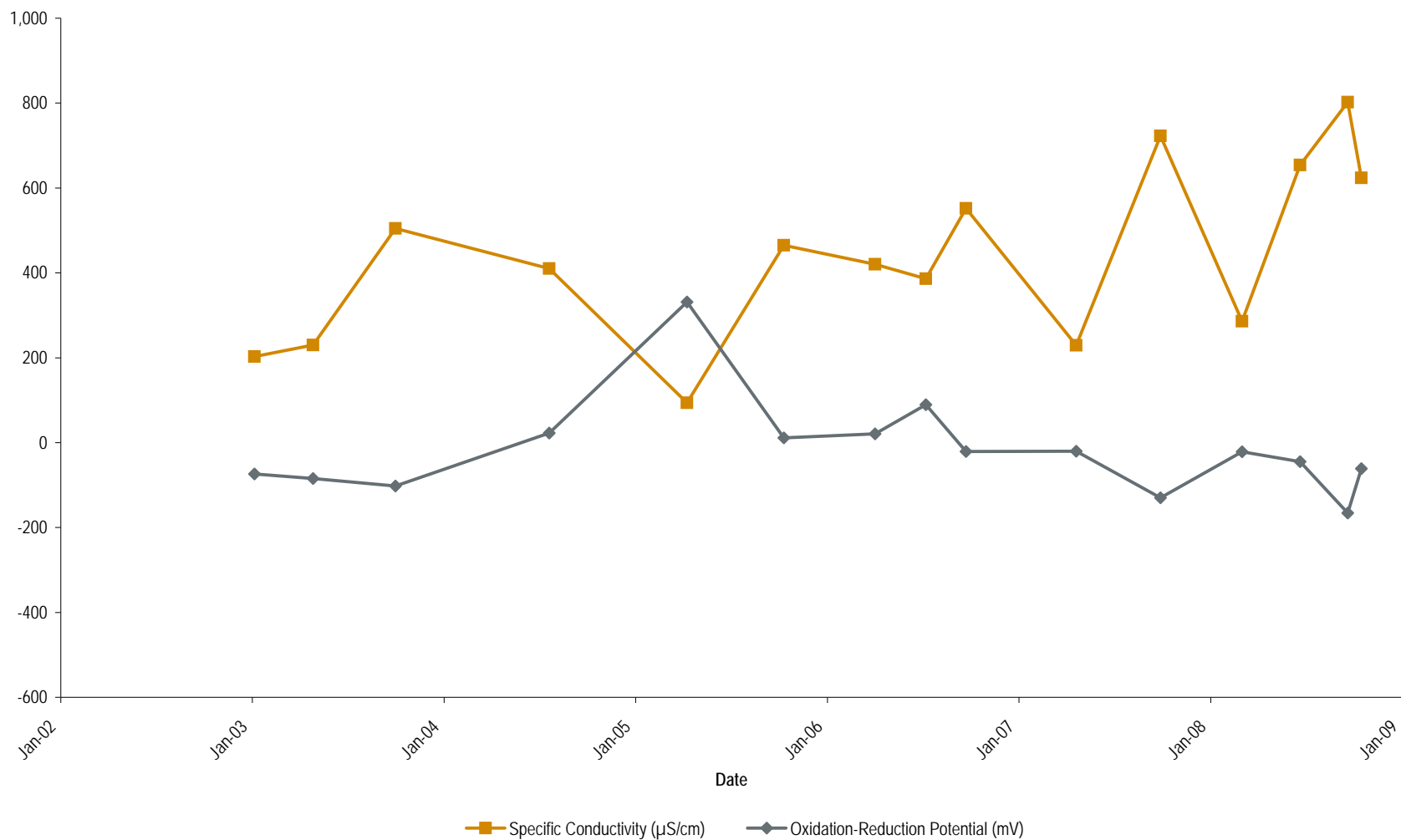
Sodium lactate injection conducted 26 August to 11 September 2008.
 - = Not measured.
 °C = Degrees Celsius.
 µS/cm = Microsiemens per centimeter.

mg/L - Milligrams per liter.
 std. units = Standard units.
 mV = Millivolts.

Field Parameters at MW-265M
 Former Raytheon Facility - Wayland, MA



	6-Jan-03	28-Apr-03	2-Oct-03	22-Jul-04	11-Apr-05	13-Oct-05	5-Apr-06	11-Jul-06	26-Sep-06	24-Apr-07	2-Oct-07	6-Mar-08	25-Jun-08	24-Sep-08	20-Oct-08
Groundwater Elevation (ft)	118.26	119.44	117.17	117.13	119.81	115.92	119.50	119.12	117.43	120.50	116.17	120.17	118.48	117.22	118.38
Temperature (°C)	8.62	13.86	11.81	19.55	8.99	11.73	6.86	20.11	13.41	13.71	14.84	9.50	14.20	10.04	14.75
Specific Conductivity (µS/cm)	203	230	505	410	94	465	420	386	552	229	723	286	654	802	624
Dissolved Oxygen (mg/L)	0.20	0.34	0.41	0.43	1.64	0.35	0.76	0.26	0.32	0.31	0.62	0.77	0.25	0.48	0.96
pH (std. units)	7.30	6.76	6.65	6.15	5.62	6.39	6.18	5.88	6.13	6.45	6.41	6.15	6.40	6.65	6.51
Oxidation-Reduction Potential (mV)	-74.0	-84.4	-102.4	22.4	331.1	11.3	20.5	89.2	-20.6	-20.4	-129.9	-21.4	-45.1	-165.8	-61.1



Notes:

Sodium lactate injection conducted 26 August to 11 September 2008.

- = Not measured.

°C = Degrees Celsius.

µS/cm = Microsiemens per centimeter.

mg/L - Milligrams per liter.

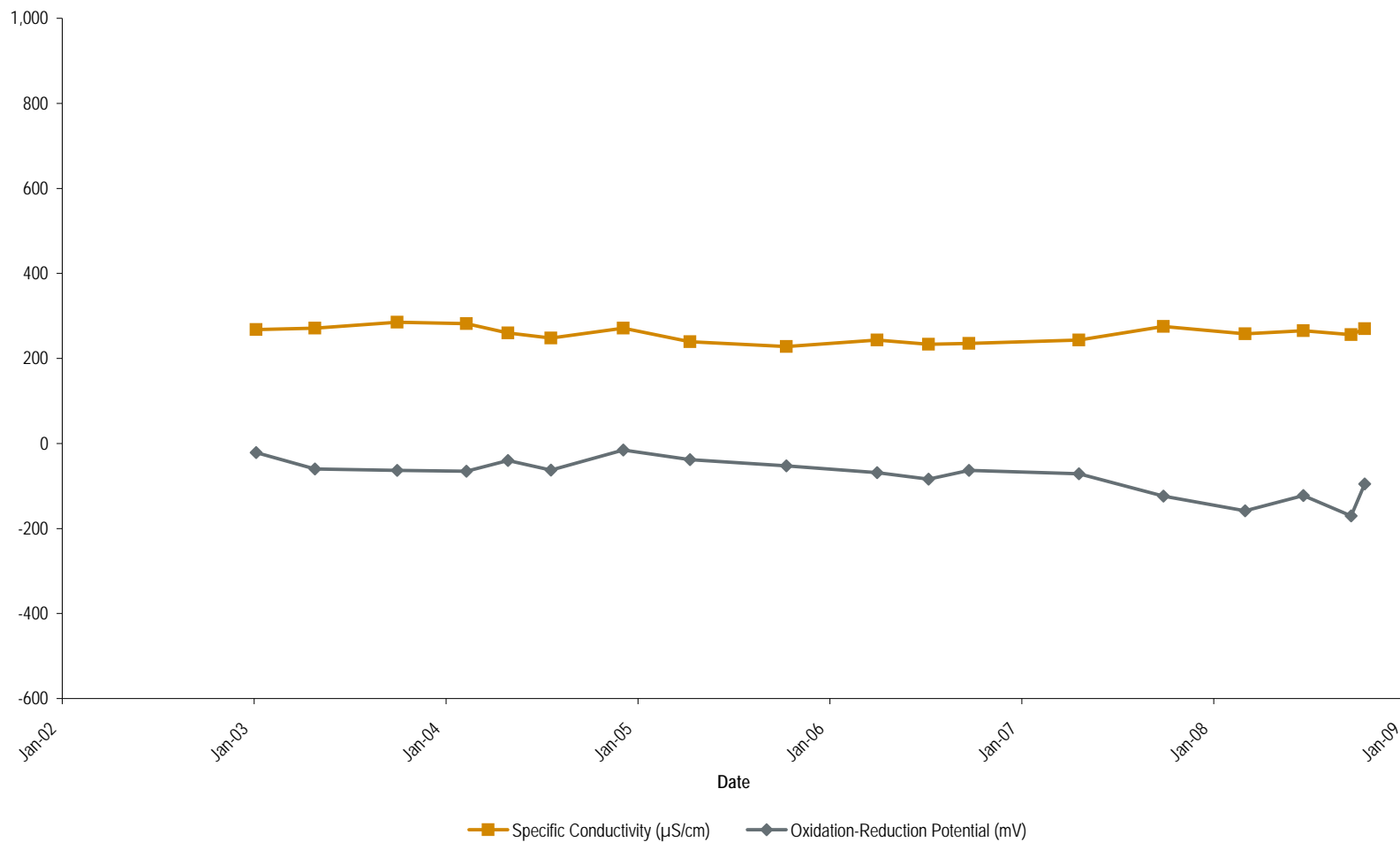
std. units = Standard units.

mV = Millivolts.

Field Parameters at MW-266Ma
Former Raytheon Facility - Wayland, MA



	6-Jan-03	28-Apr-03	2-Oct-03	11-Feb-04	30-Apr-04	21-Jul-04	6-Dec-04	12-Apr-05	13-Oct-05	4-Apr-06	11-Jul-06	26-Sep-06	24-Apr-07	2-Oct-07	6-Mar-08	25-Jun-08	24-Sep-08	20-Oct-08
Groundwater Elevation (ft)	118.17	119.39	115.20	118.17	119.35	117.14	118.15	119.78	114.33	116.49	117.28	117.43	120.47	116.20	119.13	118.43	118.06	118.35
Temperature (°C)	7.66	13.05	13.85	8.09	13.68	18.30	6.87	8.86	12.05	6.14	16.64	11.58	15.48	14.42	8.86	16.18	10.03	13.16
Specific Conductivity (µS/cm)	268	271	285	282	260	248	271	239	228	243	233	235	243	275	258	265	256	270
Dissolved Oxygen (mg/L)	1.05	0.37	0.59	0.38	1.32	0.39	0.58	0.49	0.37	0.70	0.27	0.25	0.28	0.70	0.28	0.76	0.57	0.30
pH (std. units)	6.64	6.54	6.53	6.75	5.95	6.46	6.31	6.72	6.77	6.59	6.61	6.52	6.64	6.47	6.65	6.52	6.79	7.34
Oxidation-Reduction Potential (mV)	-21.4	-60.1	-63.3	-65.1	-40.0	-62.7	-15.5	-38.3	-52.9	-68.8	-84.1	-63.1	-71.6	-123.8	-158.4	-122.3	-170.2	-95.4



Notes:

Sodium lactate injection conducted 26 August to 11 September 2008.

- = Not measured.

°C = Degrees Celsius.

µS/cm = Microsiemens per centimeter.

mg/L - Milligrams per liter.

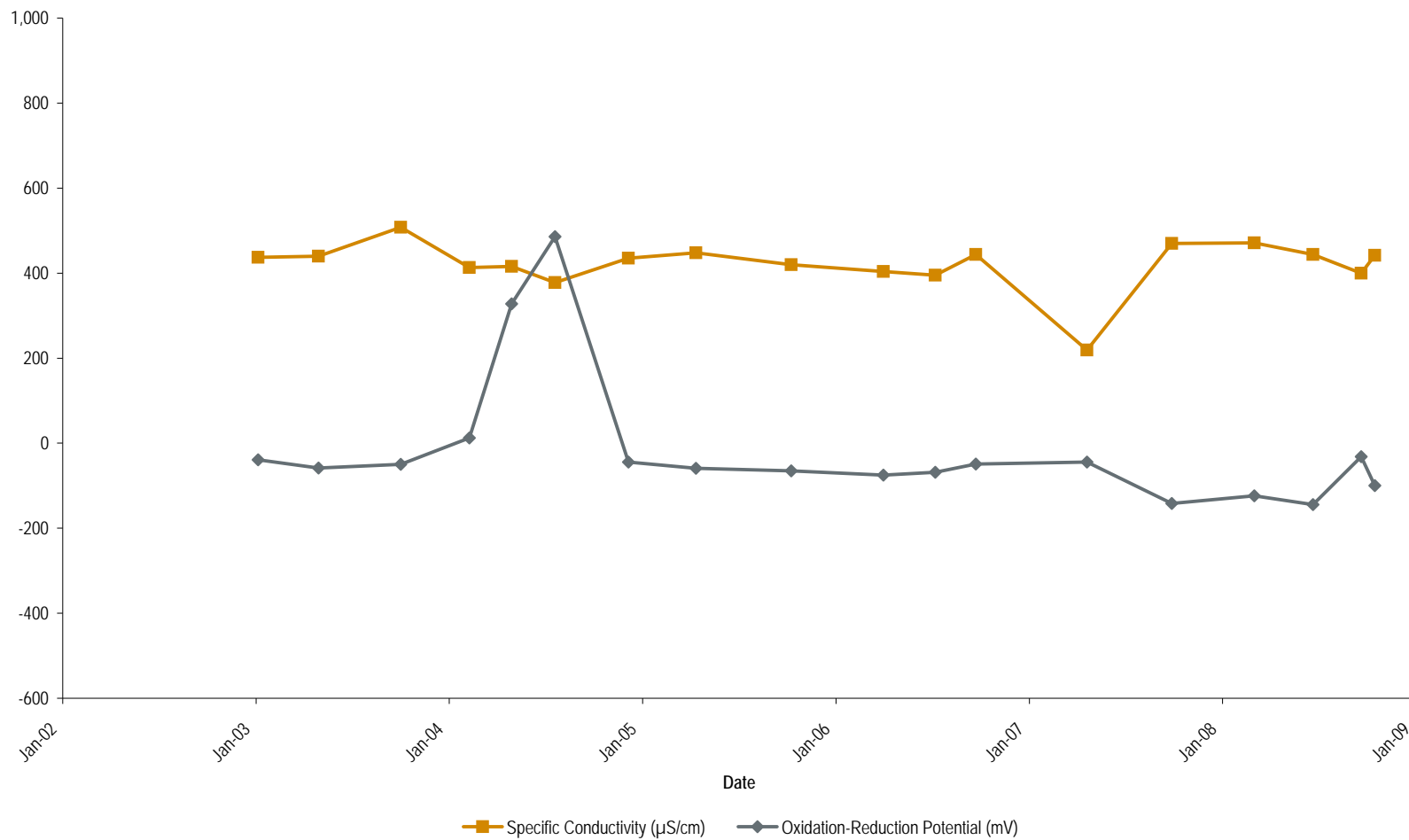
std. units = Standard units.

mV = Millivolts.

Field Parameters at MW-266Mb
Former Raytheon Facility - Wayland, MA



	6-Jan-03	30-Apr-03	3-Oct-03	10-Feb-04	30-Apr-04	21-Jul-04	7-Dec-04	14-Apr-05	11-Oct-05	4-Apr-06	11-Jul-06	26-Sep-06	24-Apr-07	2-Oct-07	6-Mar-08	25-Jun-08	24-Sep-08	20-Oct-08
Groundwater Elevation (ft)	116.99	118.35	116.11	116.78	118.33	116.03	117.13	118.75	114.92	117.24	117.90	116.24	119.69	115.11	119.09	117.28	116.47	117.10
Temperature (°C)	6.91	11.58	10.68	9.02	11.98	16.96	8.04	11.97	11.91	9.80	16.31	12.59	11.64	12.39	8.97	12.18	10.06	12.53
Specific Conductivity (µS/cm)	437	440	508	413	416	378	435	448	420	404	395	444	219	470	471	444	400	442
Dissolved Oxygen (mg/L)	0.15	0.44	1.22	0.64	0.61	0.17	0.36	1.10	0.22	0.21	0.46	0.29	0.35	0.23	0.43	0.65	2.26	0.40
pH (std. units)	6.65	6.71	6.50	6.49	4.60	6.53	6.71	6.53	6.85	6.83	6.75	6.68	6.70	6.63	6.68	6.63	6.68	6.35
Oxidation-Reduction Potential (mV)	-39.0	-58.3	-49.6	12.3	328.0	485.7	-44.3	-59.2	-64.9	-75.1	-68.7	-49.0	-44.2	-141.5	-123.8	-144.7	-31.8	-100.0



Notes:

Sodium lactate injection conducted 26 August to 11 September 2008.

- = Not measured.

°C = Degrees Celsius.

µS/cm = Microsiemens per centimeter.

mg/L - Milligrams per liter.

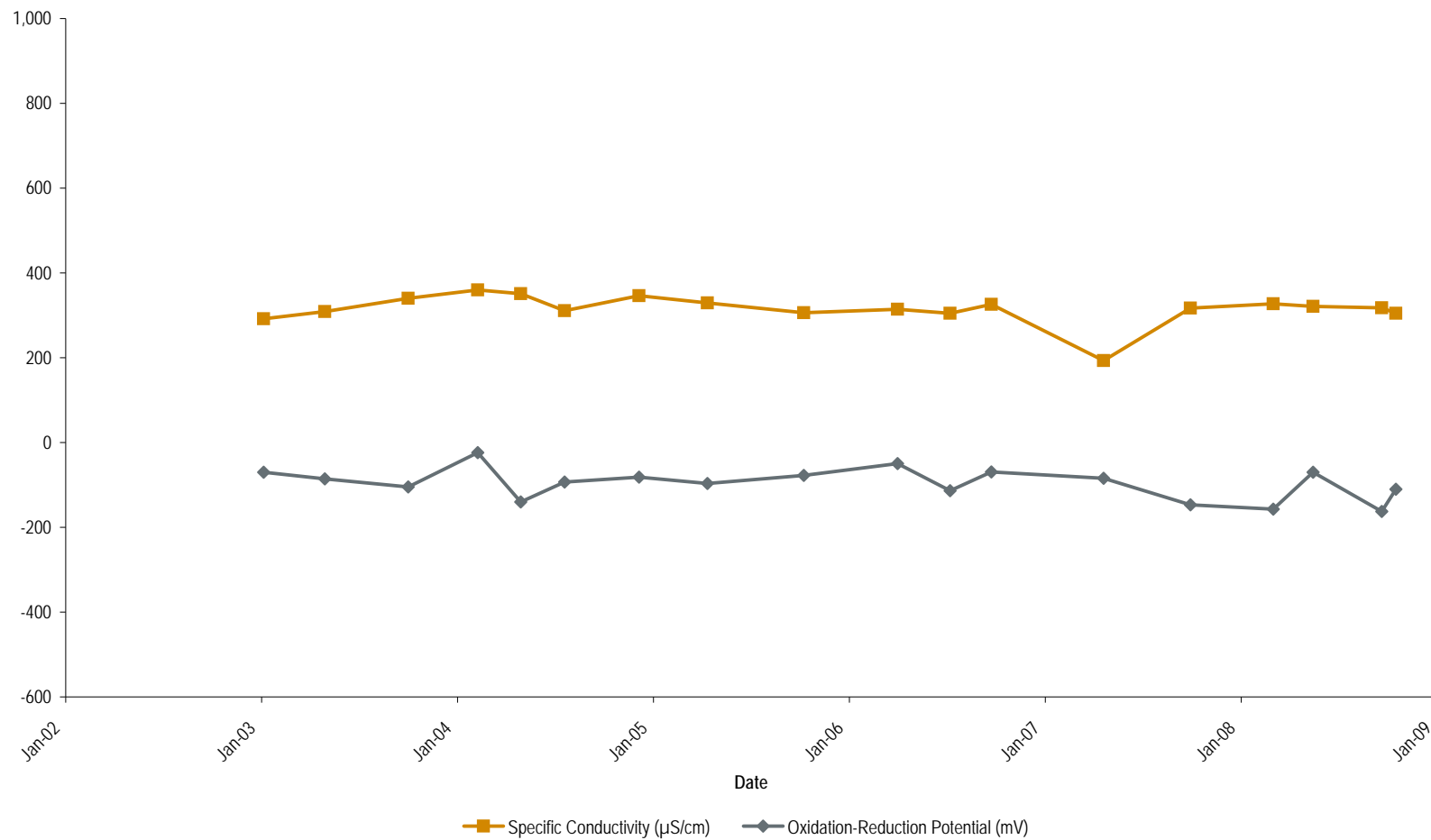
std. units = Standard units.

mV = Millivolts.

Field Parameters at MW-267S
Former Raytheon Facility - Wayland, MA



	6-Jan-03	30-Apr-03	3-Oct-03	10-Feb-04	30-Apr-04	21-Jul-04	7-Dec-04	14-Apr-05	11-Oct-05	4-Apr-06	11-Jul-06	26-Sep-06	24-Apr-07	3-Oct-07	6-Mar-08	19-May-08	24-Sep-08	21-Oct-08
Groundwater Elevation (ft)	117.22	118.28	115.97	116.82	118.18	115.89	116.98	118.68	114.86	117.01	117.75	116.06	119.59	115.01	118.94	117.75	116.79	116.94
Temperature (°C)	7.39	11.59	11.94	8.22	13.12	20.02	7.30	11.99	12.12	8.70	13.21	12.93	13.07	12.89	9.91	10.39	10.09	10.30
Specific Conductivity (µS/cm)	292	309	340	360	351	311	346	329	306	314	305	326	193	317	327	321	318	305
Dissolved Oxygen (mg/L)	0.54	0.96	1.06	0.95	0.41	0.42	0.53	0.89	0.52	0.92	0.21	0.21	0.39	0.31	0.47	0.38	0.39	0.51
pH (std. units)	6.74	5.79	6.68	6.85	5.30	6.65	6.90	6.75	7.04	6.88	6.78	6.75	6.79	6.73	6.75	6.58	6.72	6.60
Oxidation-Reduction Potential (mV)	-70.2	-85.8	-104.6	-23.8	-139.8	-93.0	-81.7	-96.9	-77.5	-49.4	-113.9	-69.1	-84.2	-147.2	-157.2	-69.8	-162.7	-110.2



Notes:

Sodium lactate injection conducted 26 August to 11 September 2008.

- = Not measured.

°C = Degrees Celsius.

µS/cm = Microsiemens per centimeter.

mg/L - Milligrams per liter.

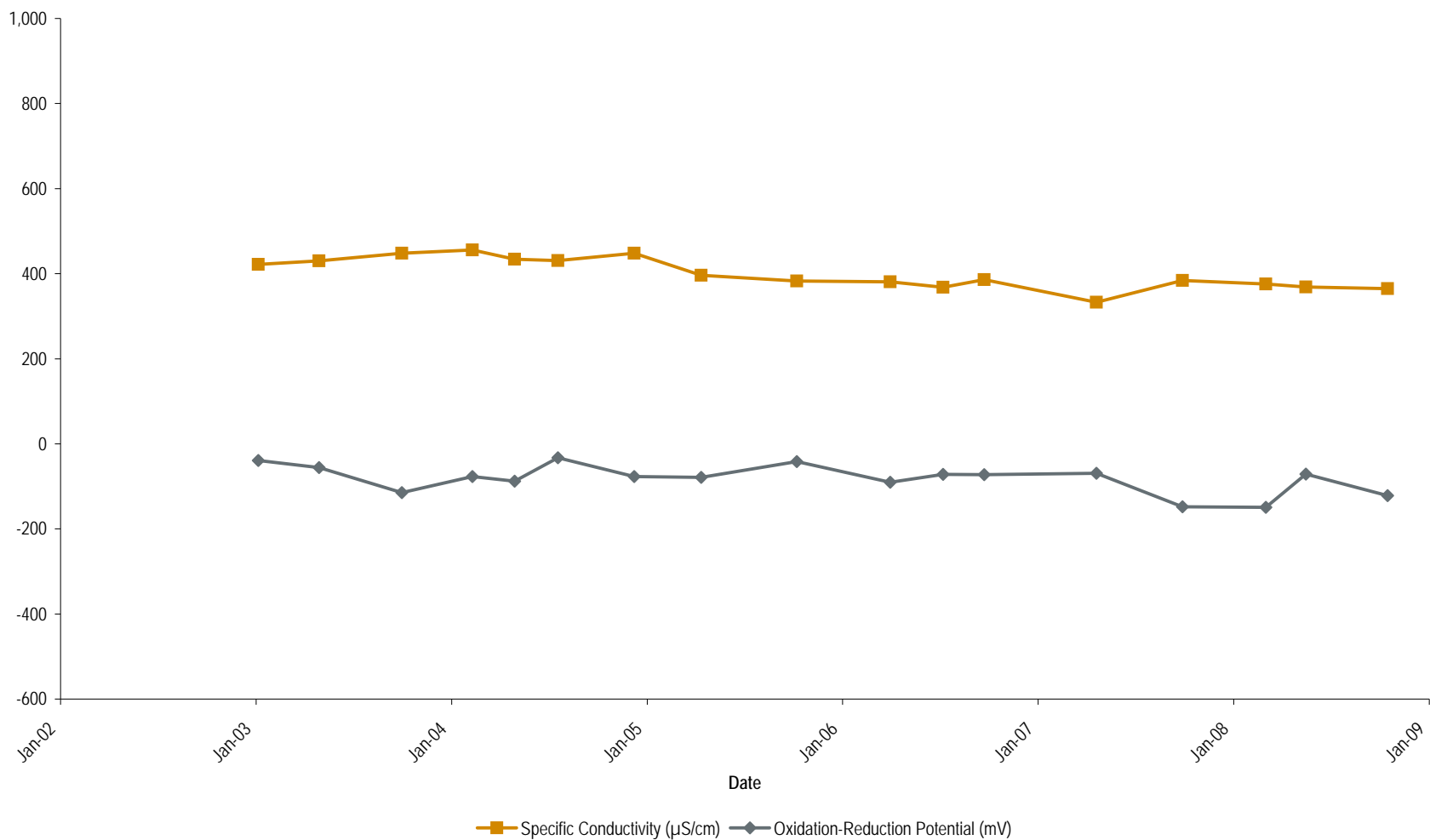
std. units = Standard units.

mV = Millivolts.

Field Parameters at MW-267M
Former Raytheon Facility - Wayland, MA



	6-Jan-03	30-Apr-03	2-Oct-03	11-Feb-04	30-Apr-04	20-Jul-04	10-Dec-04	14-Apr-05	10-Oct-05	3-Apr-06	11-Jul-06	26-Sep-06	24-Apr-07	2-Oct-07	6-Mar-08	20-May-08	20-Oct-08
Groundwater Elevation (ft)	116.93	117.83	115.51	116.31	117.66	115.31	116.46	118.09	114.31	116.41	117.11	115.63	119.11	114.40	117.55	117.11	116.30
Temperature (°C)	7.01	11.75	11.85	7.64	12.08	14.59	8.56	8.69	11.12	9.34	14.46	12.47	10.99	12.42	9.40	9.56	11.70
Specific Conductivity (µS/cm)	422	430	448	456	434	431	448	396	383	381	368	386	333	384	376	369	365
Dissolved Oxygen (mg/L)	7.57	0.55	0.65	0.90	0.56	1.34	0.46	0.36	0.16	0.28	5.40	0.20	17.29	0.27	0.55	0.30	0.37
pH (std. units)	6.36	6.60	6.45	6.45	6.19	6.00	6.60	6.69	6.77	6.72	6.62	6.75	6.70	6.60	6.55	6.40	6.34
Oxidation-Reduction Potential (mV)	-39.2	-55.9	-114.9	-76.9	-88.1	-33.0	-77.2	-78.8	-41.5	-90.3	-71.7	-72.3	-69.5	-148.0	-149.4	-71.0	-122.0



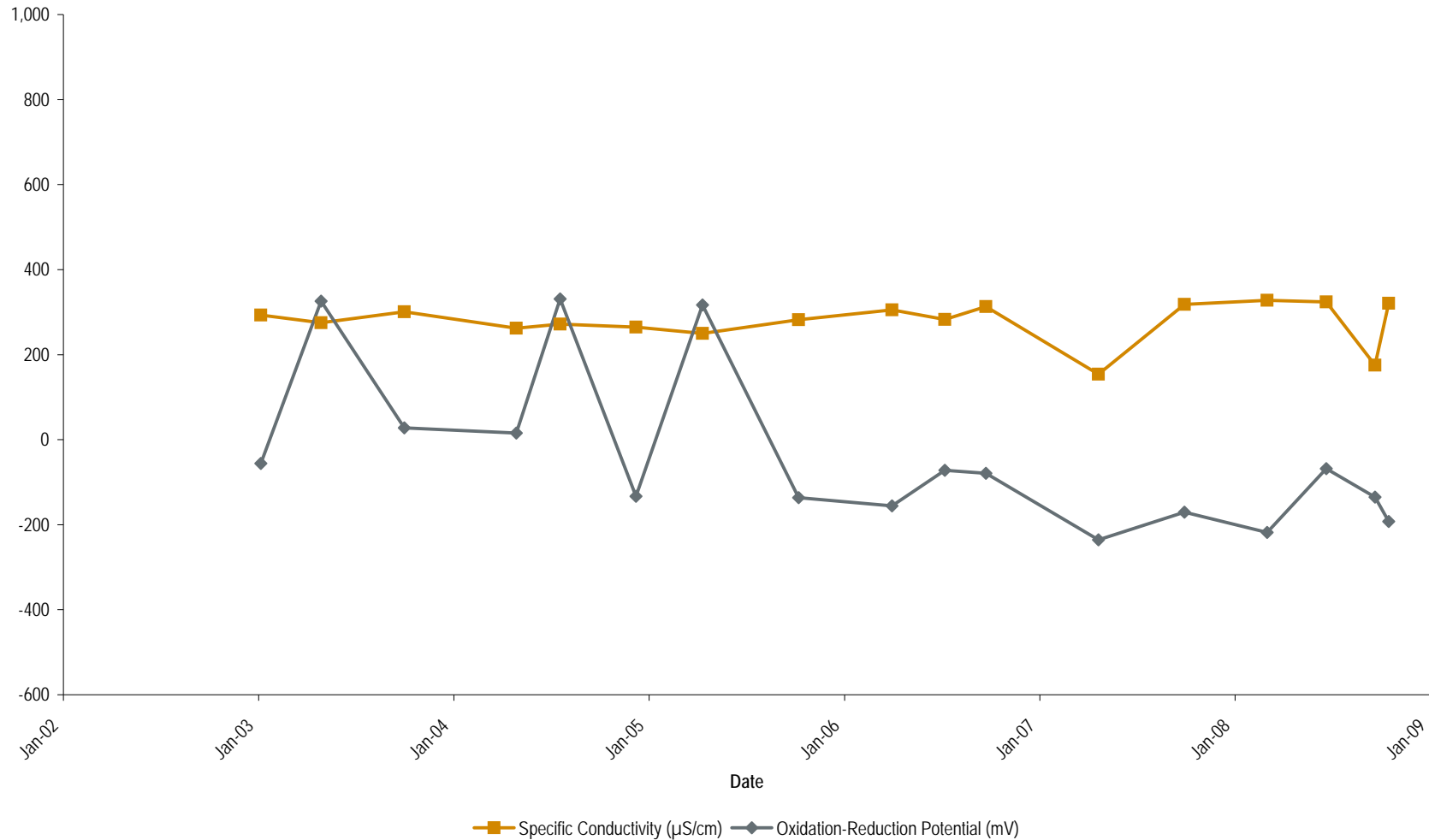
Notes:

Sodium lactate injection conducted 26 August to 11 September 2008.
 - = Not measured.
 °C = Degrees Celsius.
 µS/cm = Microsiemens per centimeter.
 mg/L - Milligrams per liter.
 std. units = Standard units.
 mV = Millivolts.

Field Parameters at MW-268M
 Former Raytheon Facility - Wayland, MA



	6-Jan-03	29-Apr-03	2-Oct-03	29-Apr-04	20-Jul-04	9-Dec-04	13-Apr-05	10-Oct-05	3-Apr-06	11-Jul-06	26-Sep-06	25-Apr-07	3-Oct-07	6-Mar-08	25-Jun-08	24-Sep-08	20-Oct-08
Groundwater Elevation (ft)	117.13	117.98	115.53	117.76	115.33	116.48	118.19	113.37	116.33	117.16	115.43	118.29	114.44	118.00	116.54	116.10	116.26
Temperature (°C)	8.41	10.80	11.00	13.42	14.99	8.10	10.13	11.39	9.30	14.20	12.31	10.20	12.47	9.67	12.03	10.26	11.72
Specific Conductivity (µS/cm)	293	275	301	262	272	265	250	282	305	283	313	154	318	328	324	175	321
Dissolved Oxygen (mg/L)	4.18	0.72	0.65	0.91	1.05	0.38	0.40	0.23	0.37	0.51	0.23	0.31	0.27	0.61	0.31	3.18	0.44
pH (std. units)	8.14	7.01	8.20	8.34	7.87	8.21	7.74	8.29	8.19	8.11	8.21	8.11	7.95	7.97	7.94	9.44	7.87
Oxidation-Reduction Potential (mV)	-56.1	326.0	27.7	15.7	331.0	-133.5	316.7	-136.6	-155.9	-71.8	-79.4	-235.4	-170.5	-218.1	-68.2	-135.2	-192.6



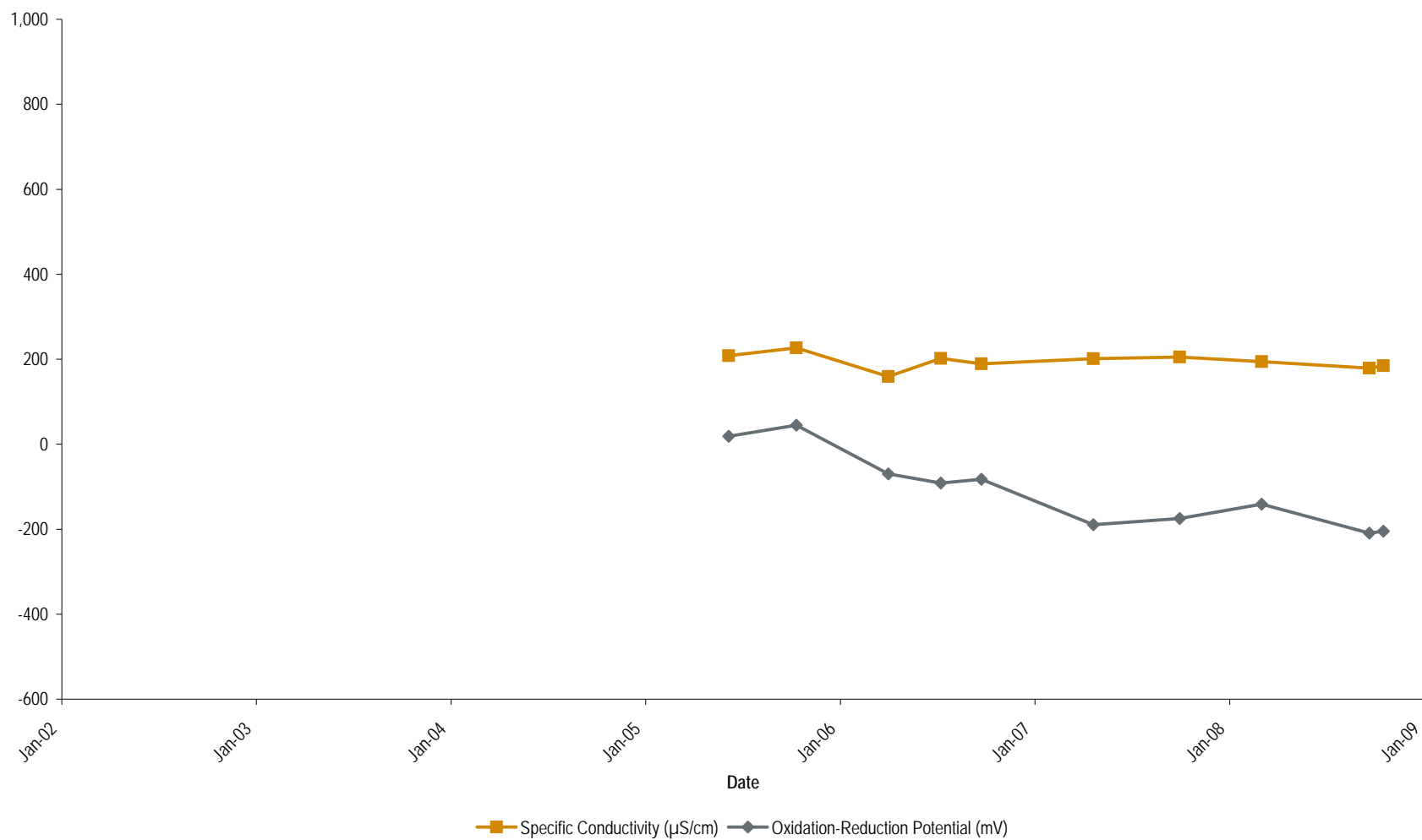
Notes:

Sodium lactate injection conducted 26 August to 11 September 2008. mg/L - Milligrams per liter.
 - = Not measured. std. units = Standard units.
 °C = Degrees Celsius. mV = Millivolts.
 µS/cm = Microsiemens per centimeter.

Field Parameters at MW-268D
 Former Raytheon Facility - Wayland, MA



	8-Jun-05	13-Oct-05	4-Apr-06	12-Jul-06	26-Sep-06	25-Apr-07	4-Oct-07	6-Mar-08	24-Sep-08	21-Oct-08
Groundwater Elevation (ft)	-	117.80	120.62	121.28	119.28	122.85	117.79	121.39	119.98	120.61
Temperature (°C)	14.46	11.29	9.62	17.00	12.87	11.03	16.26	8.49	10.41	9.99
Specific Conductivity (µS/cm)	208	227	159	202	189	201	205	194	179	185
Dissolved Oxygen (mg/L)	0.86	0.25	0.18	3.00	0.30	0.38	0.26	2.63	0.43	0.18
pH (std. units)	5.86	6.96	6.98	6.90	6.50	6.93	6.99	6.98	7.82	7.44
Oxidation-Reduction Potential (mV)	18.8	44.5	-69.9	-91.2	-82.7	-189.7	-175.1	-141.2	-209.0	-204.9



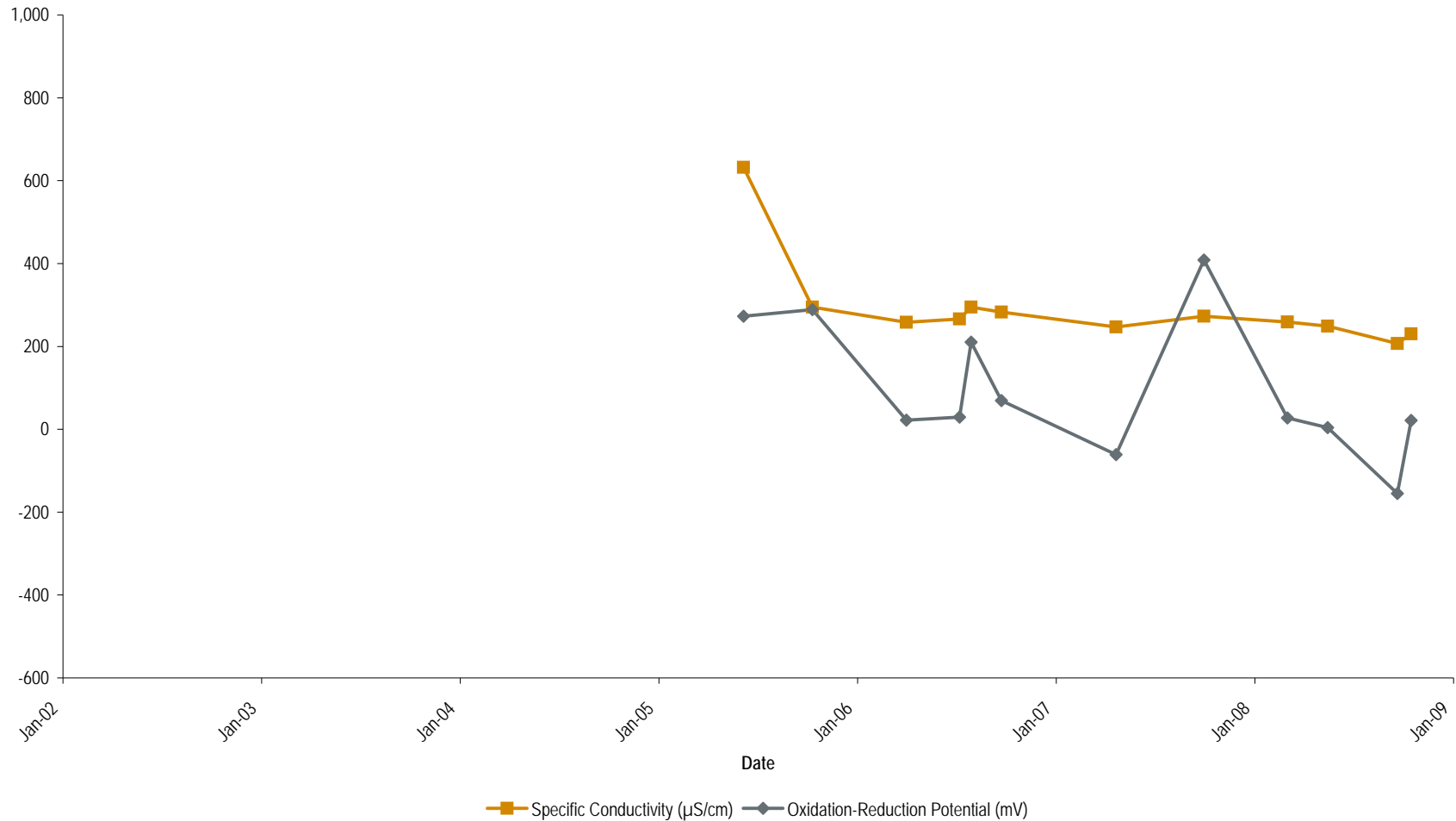
Notes:

Sodium lactate injection conducted 26 August to 11 September 2008.
 - = Not measured.
 °C = Degrees Celsius.
 µS/cm = Microsiemens per centimeter.
 mg/L - Milligrams per liter.
 std. units = Standard units.
 mV = Millivolts.

Field Parameters at MW-551
 Former Raytheon Facility - Wayland, MA



	8-Jun-05	13-Oct-05	4-Apr-06	11-Jul-06	1-Aug-06	26-Sep-06	25-Apr-07	4-Oct-07	6-Mar-08	19-May-08	24-Sep-08	20-Oct-08
Groundwater Elevation (ft)	-	117.70	120.48	121.17	119.32	119.29	122.58	117.84	122.27	121.06	120.12	120.53
Temperature (°C)	12.87	11.70	9.71	14.94	15.92	14.01	9.65	16.75	9.41	10.28	11.49	13.17
Specific Conductivity (µS/cm)	632	295	258	266	295	283	247	273	259	249	207	230
Dissolved Oxygen (mg/L)	0.55	0.54	0.44	3.90	0.37	0.21	0.84	0.39	0.78	0.35	0.98	0.24
pH (std. units)	9.98	8.33	7.22	7.05	6.62	6.96	6.90	5.00	6.78	6.59	8.61	6.45
Oxidation-Reduction Potential (mV)	272.9	288.8	21.9	29.3	210.5	69.2	-60.9	408.4	27.1	4.4	-154.9	21.6



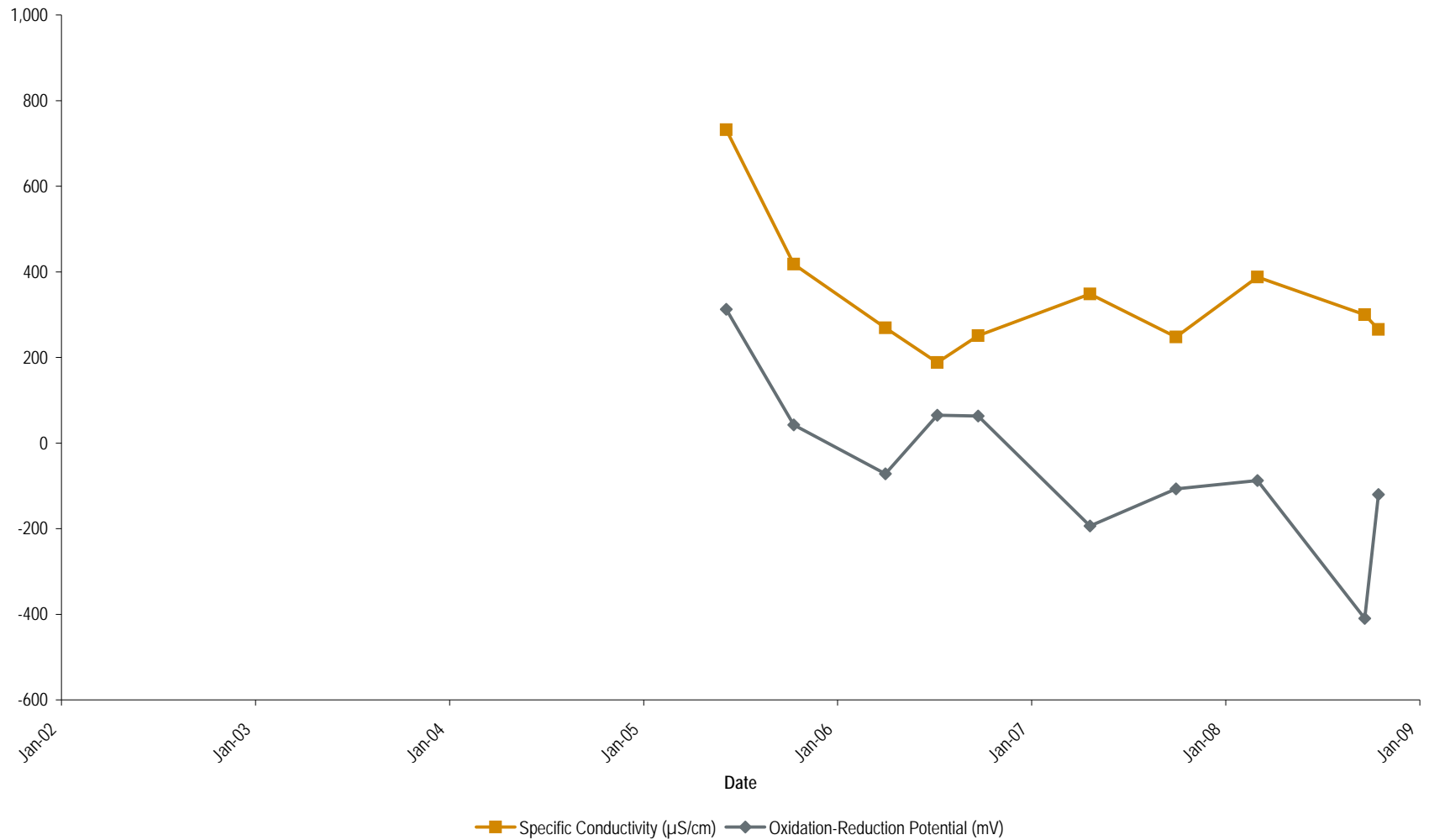
Notes:

Sodium lactate injection conducted 26 August to 11 September 2008.
 - = Not measured.
 °C = Degrees Celsius.
 µS/cm = Microsiemens per centimeter.
 mg/L - Milligrams per liter.
 std. units = Standard units.
 mV = Millivolts.

Field Parameters at MW-552
 Former Raytheon Facility - Wayland, MA



	8-Jun-05	13-Oct-05	4-Apr-06	11-Jul-06	26-Sep-06	25-Apr-07	4-Oct-07	6-Mar-08	24-Sep-08	20-Oct-08
Groundwater Elevation (ft)	-	117.81	120.68	121.33	119.50	122.97	117.79	122.77	120.30	120.72
Temperature (°C)	13.38	11.99	8.86	16.06	14.12	9.48	16.86	7.84	11.79	13.81
Specific Conductivity (µS/cm)	732	418	269	188	251	348	248	388	300	265
Dissolved Oxygen (mg/L)	0.55	0.52	0.19	1.87	0.16	1.05	0.76	0.55	0.41	0.78
pH (std. units)	9.85	11.40	11.08	10.21	11.11	11.22	10.68	11.41	11.00	10.83
Oxidation-Reduction Potential (mV)	312.6	42.4	-72.1	65.2	62.8	-194.0	-107.0	-87.3	-409.5	-120.5



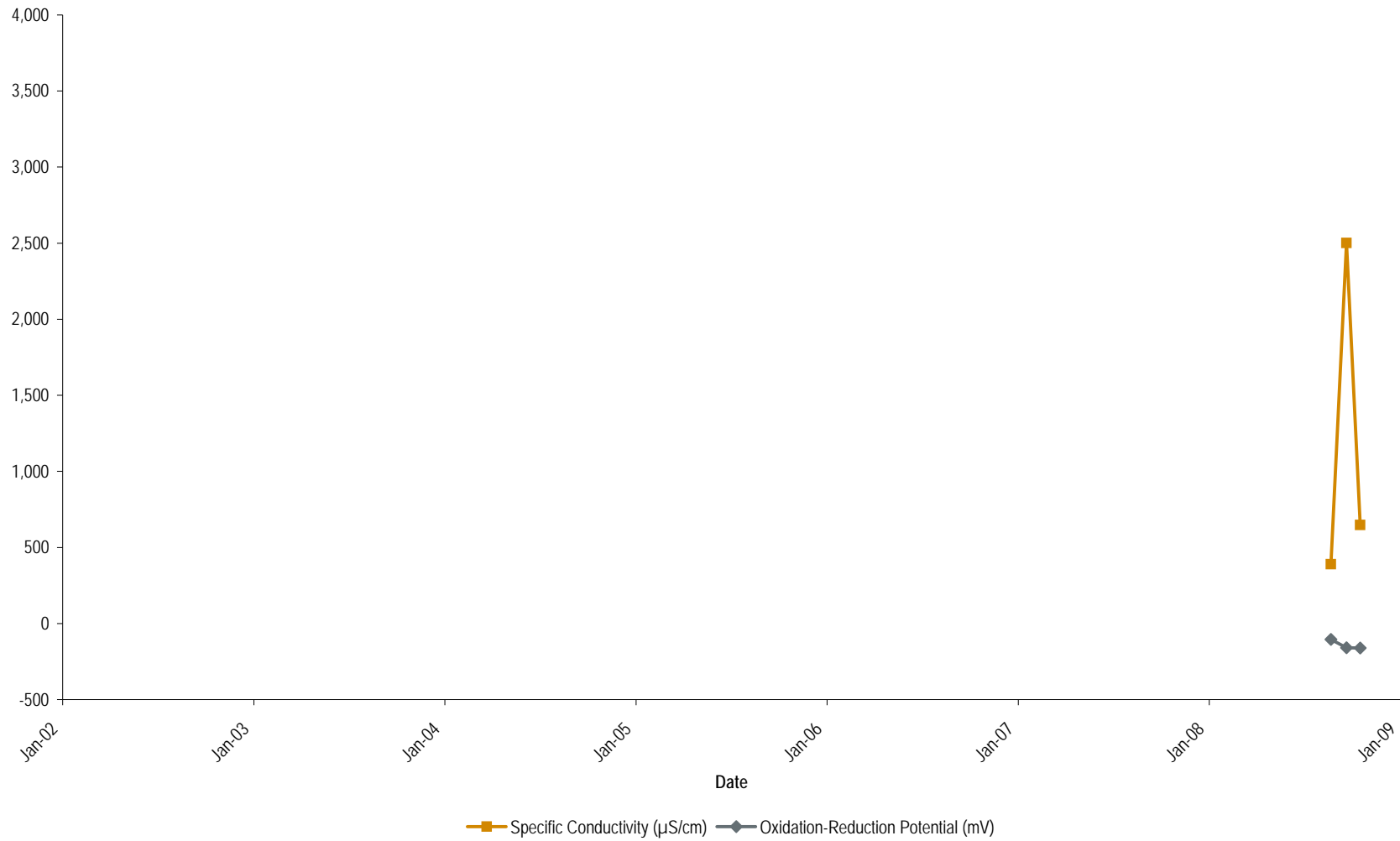
Notes:

Sodium lactate injection conducted 26 August to 11 September 2008.
 - = Not measured.
 °C = Degrees Celsius.
 µS/cm = Microsiemens per centimeter.
 mg/L - Milligrams per liter.
 std. units = Standard units.
 mV = Millivolts.

Field Parameters at MW-553
 Former Raytheon Facility - Wayland, MA



	25-Aug-08	24-Sep-08	21-Oct-08
Groundwater Elevation (ft)	118.14	117.98	118.17
Temperature (°C)	17.87	11.03	13.13
Specific Conductivity (µS/cm)	389	2,501	648
Dissolved Oxygen (mg/L)	0.18	0.27	0.38
pH (std. units)	6.72	12.11	11.52
Oxidation-Reduction Potential (mV)	-104.0	-159.2	-160.5



Notes:

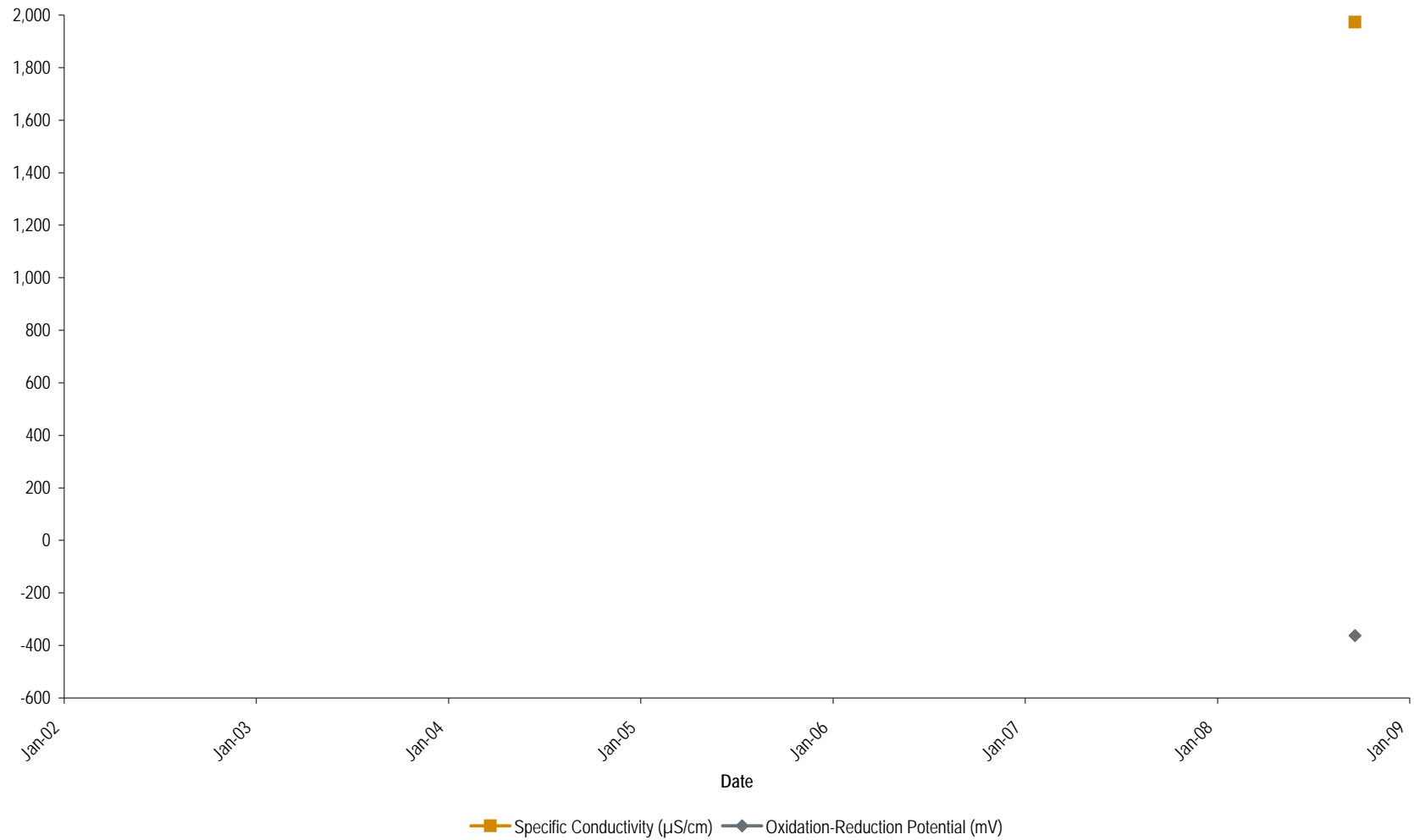
Sodium lactate injection conducted 26 August to 11 September 2008.
 - = Not measured.
 °C = Degrees Celsius.
 µS/cm = Microsiemens per centimeter.

mg/L - Milligrams per liter.
 std. units = Standard units.
 mV = Millivolts.

Field Parameters at MW-560
 Former Raytheon Facility - Wayland, MA



	24-Sep-08
Groundwater elevation (ft)	119.33
Temperature (°C)	11.08
Specific Conductivity (μS/cm)	1,973
Dissolved Oxygen (mg/L)	0.34
pH (std. units)	10.94
Oxidation-Reduction Potential (mV)	-362.7



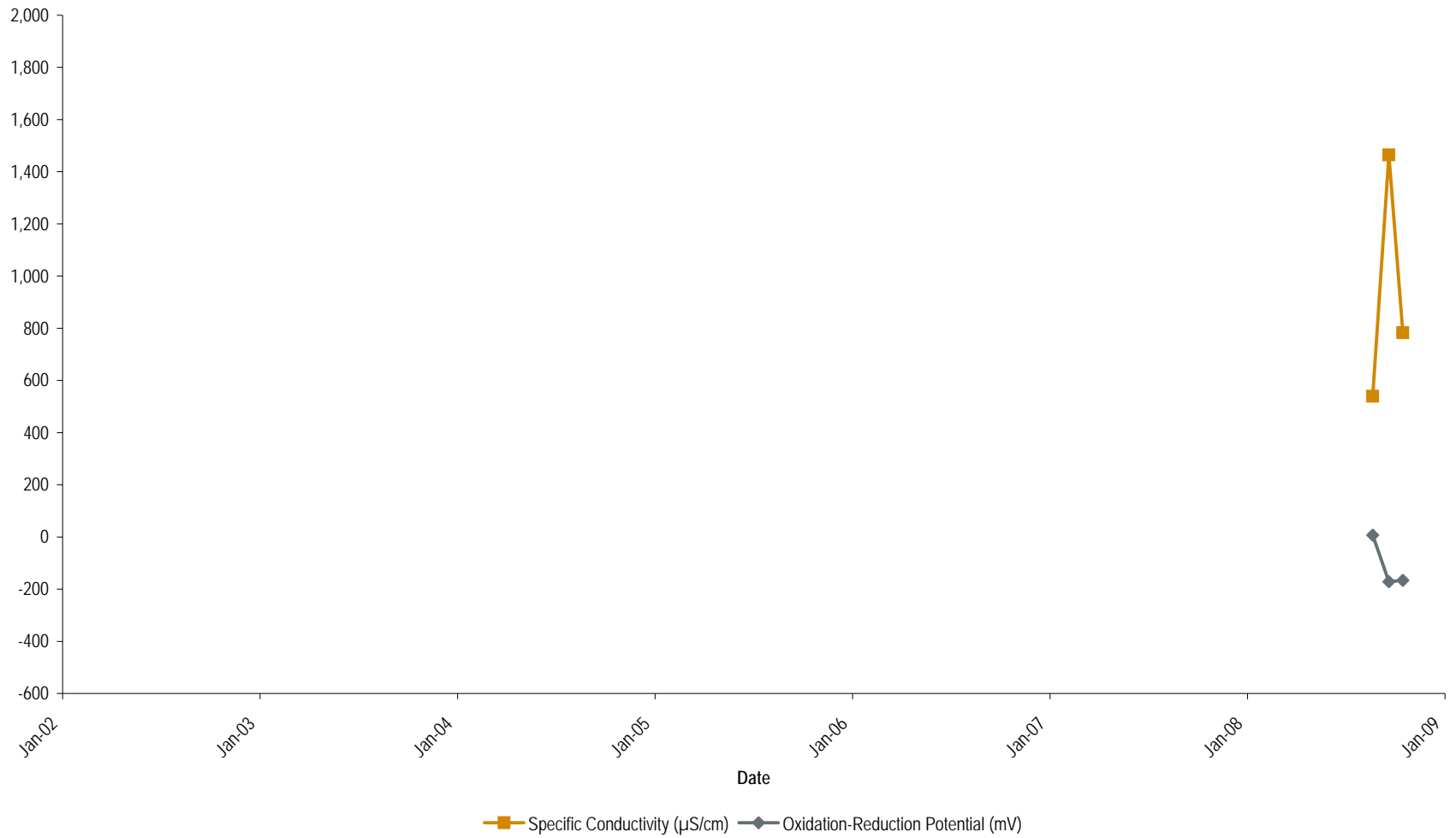
Notes:

Sodium lactate injection conducted 26 August to 11 September 2008mg/L - Milligrams per liter.
 - = Not measured. std. units = Standard units.
 °C = Degrees Celsius. mV = Millivolts.
 μS/cm = Microsiemens per centimeter.

Field Parameters at IW-1
 Former Raytheon Facility - Wayland, MA



	25-Aug-08	24-Sep-08	20-Oct-08
Groundwater Elevation (ft)	119.19	119.22	119.56
Temperature (°C)	16.85	11.25	13.56
Specific Conductivity (µS/cm)	539	1,464	783
Dissolved Oxygen (mg/L)	0.32	0.55	0.19
pH (std. units)	5.99	6.68	6.41
Oxidation-Reduction Potential (mV)	6.9	-172.0	-166.7

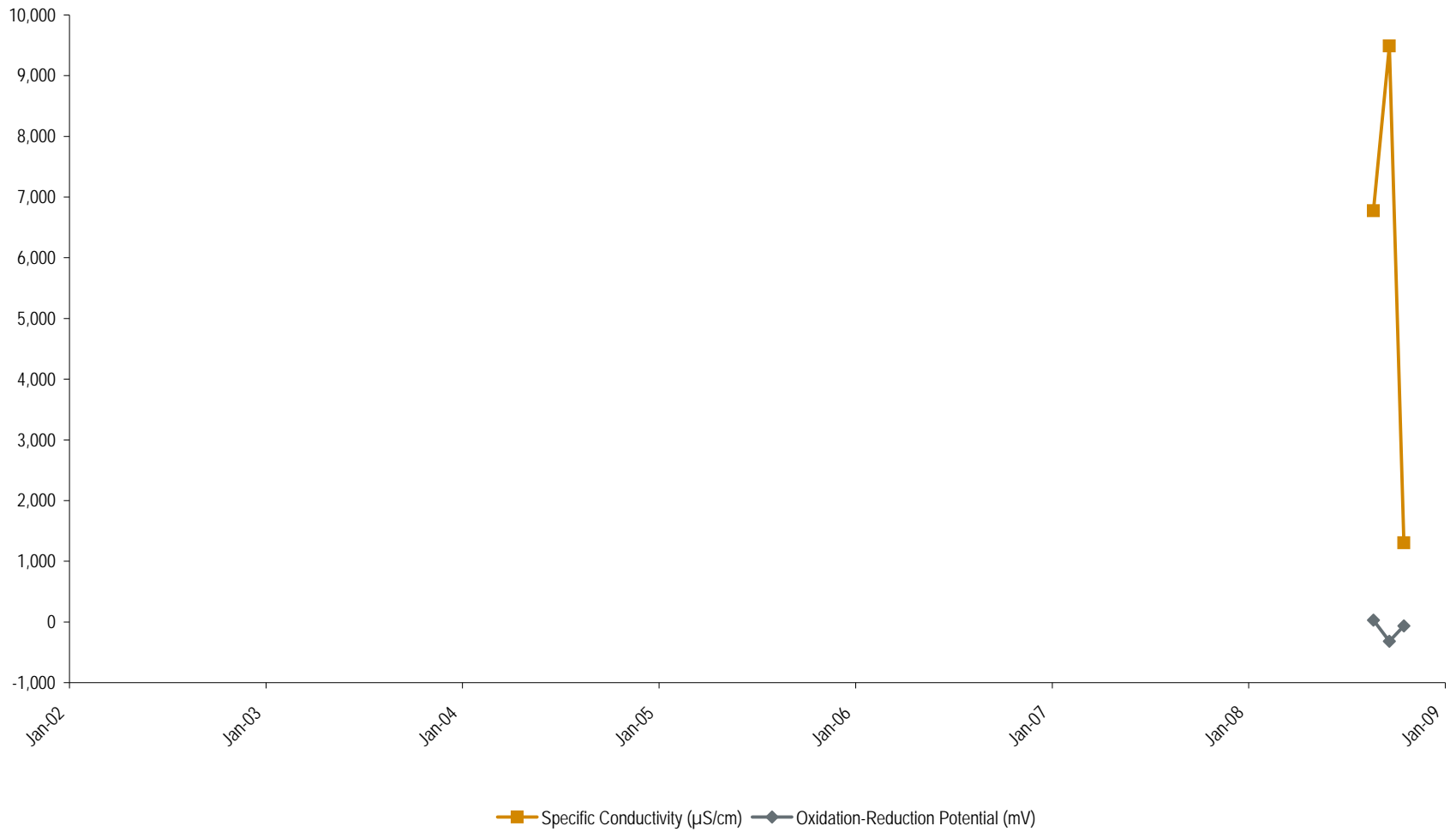


Notes:

Sodium lactate injection conducted 26 August to 11 September 2008 mg/L - Milligrams per liter.
 - = Not measured. std. units = Standard units.
 °C = Degrees Celsius. mV = Millivolts.
 µS/cm = Microsiemens per centimeter.



	25-Aug-08	24-Sep-08	21-Oct-08
Groundwater Elevation (ft)	118.41	118.20	118.41
Temperature (°C)	16.10	10.67	11.74
Specific Conductivity (µS/cm)	6,774	9,489	1,304
Dissolved Oxygen (mg/L)	0.30	0.35	0.29
pH (std. units)	12.16	12.82	9.99
Oxidation-Reduction Potential (mV)	31.8	-315.8	-64.1



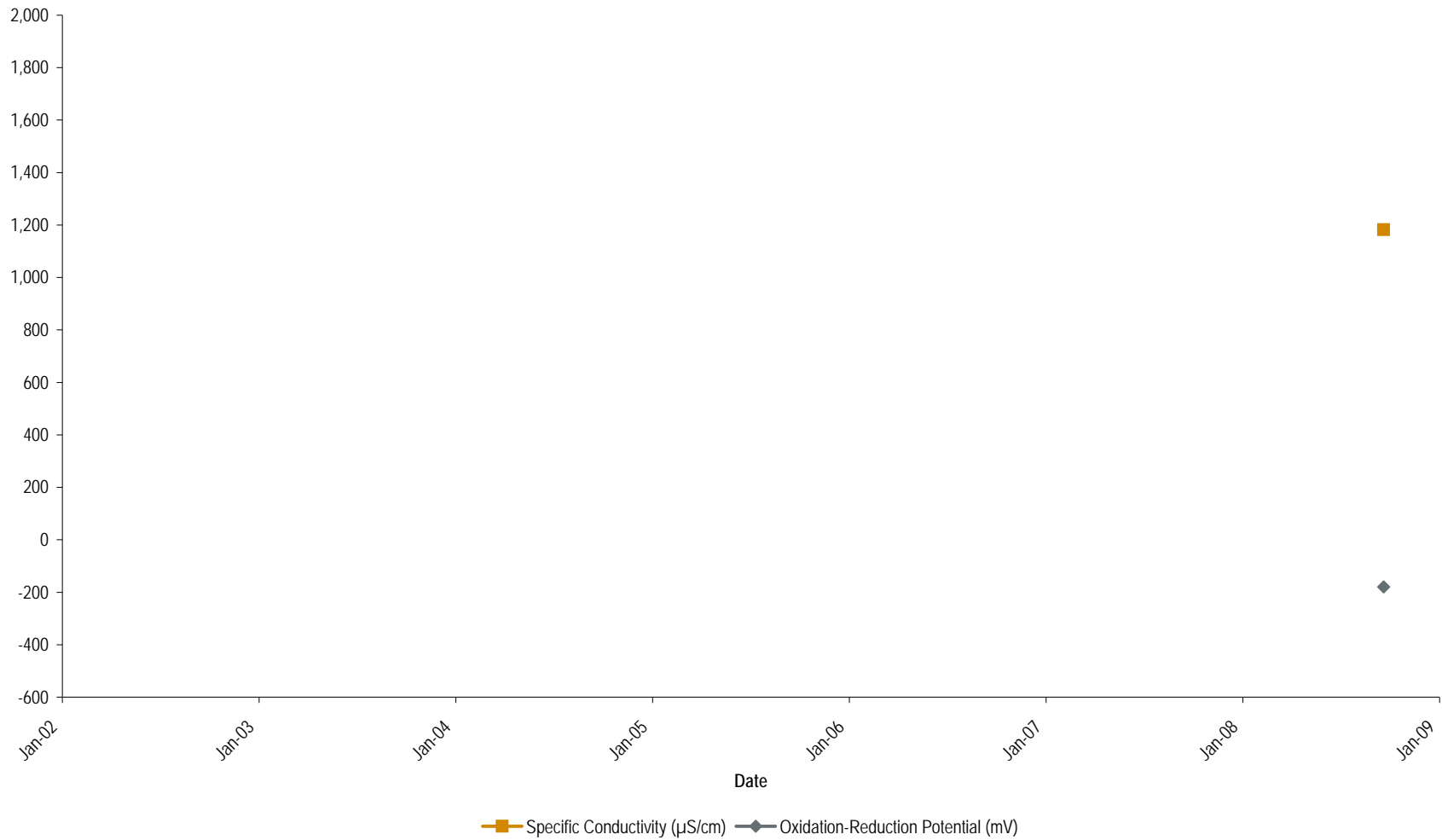
Notes:

Sodium lactate injection conducted 26 August to 11 September 2008 mg/L - Milligrams per liter.
 - = Not measured. std. units = Standard units.
 °C = Degrees Celsius. mV = Millivolts.
 µS/cm = Microsiemens per centimeter.

Field Parameters at IW-5
 Former Raytheon Facility - Wayland, MA



	24-Sep-08
Groundwater Elevation (ft)	118.15
Temperature (°C)	10.83
Specific Conductivity (µS/cm)	1,182
Dissolved Oxygen (mg/L)	0.66
pH (std. units)	6.32
Oxidation-Reduction Potential (mV)	-179.7

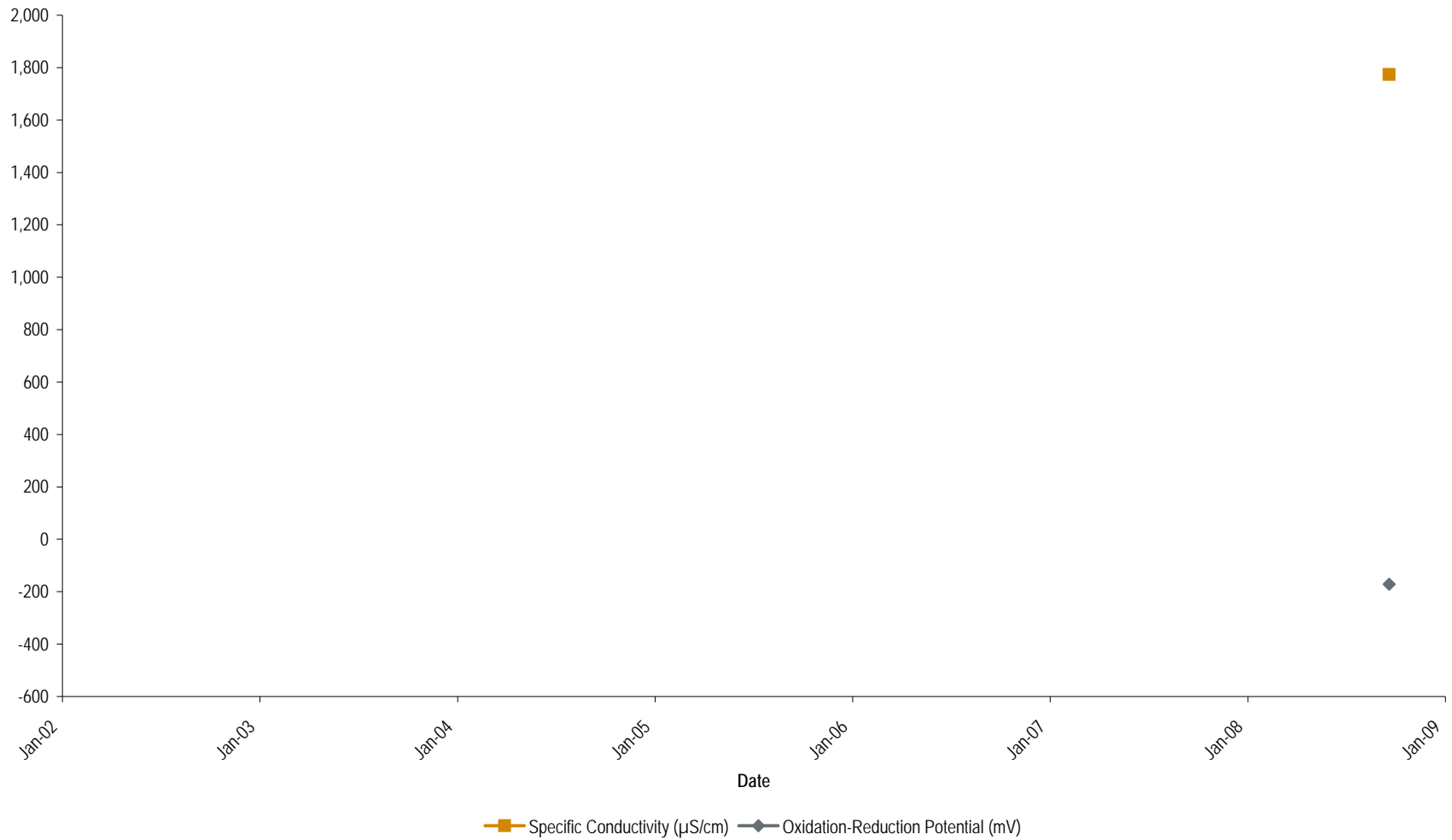


Notes:

Sodium lactate injection conducted 26 August to 11 September 2008
 mg/L - Milligrams per liter.
 - = Not measured.
 std. units = Standard units.
 °C = Degrees Celsius.
 mV = Millivolts.
 µS/cm = Microsiemens per centimeter.



	24-Sep-08
Groundwater Elevation (ft)	117.97
Temperature (°C)	10.93
Specific Conductivity (µS/cm)	1,774
Dissolved Oxygen (mg/L)	0.79
pH (std. units)	6.39
Oxidation-Reduction Potential (mV)	-171.2



Notes:

Sodium lactate injection conducted 26 August to 11 September 2008
 mg/L - Milligrams per liter.
 - = Not measured.
 °C = Degrees Celsius.
 µS/cm = Microsiemens per centimeter.
 std. units = Standard units.
 mV = Millivolts.

Field Parameters at IW-9
 Former Raytheon Facility - Wayland, MA



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ERM's Boston Office

399 Boylston Street, 6th Floor
Boston, MA 02116
(617) 646-7800
(617) 267-6447 (fax)