

Environmental Data Management Via FUDSChem, New England District (NAE) Projects

Michael Kulbersh & Carol Charette: USACE, New England District

PRESENTATION OVERVIEW

- FUDSChem A Paradigm Shift from EDMS
- A Web Based Design (www.FUDSChem.com) to Access NAE Chemistry and Geology Data – Soon All USACE
- The New FUDSChem has ADR functionality built into it. A FREE product for our contractors working on FUDS via FUDSChem
- **HINGHAM FUDS Site – Eastern, MA - Trial Project for the New FUDSChem Supported by Synectics**
- Dashboard – “Where to Go to Navigate FUDSChem”
- Chemical Querying/Water Level Queries/ Well Construction Data Query
- **Exporting to Google Earth – WHERE THE FUN BEGINS**
- Viewing Sample Locations in Google Earth and Viewing Time-Series Chemical Plots
- **Better Understanding of YOUR COLLECTED Data**



FUDSChem LOGIN

FORMERLY USED DEFENSE SITES CHEMICAL DATABASE ONLINE | FUDS chem

FUDS chem

Welcome to the FUDSChem Portal! The Formerly Used Defense Sites Chemical (FUDSChem) database is a repository for electronic data and documents supporting the FUDS program. To log in to the FUDSChem portal, click on the "login" link in the upper right corner and enter your user ID and password.

The FUDSChem system is in the process of transitioning to better support users who are generating SEDD 5.2 files from various data management systems, so if you are a regular user of the system, you'll find that it is looking different. Additionally, Automated Data Review (ADR) is now available free of charge through this site to all FUDS projects and contractors.

For information on the transition, use of license-free ADR, or log-in questions, please contact us at fuds.support@synectics.net or 916.737.4010 between the hours of 6AM and 6PM Pacific Time.

powered by synectics edms

Security Via Password



Windows Security

The server fudschem.com is asking for your user name and password. The server reports that it is from dataservices.synectics.net.

 MichaelKulbersh

.....

Remember my credentials

OK Cancel



FUDSChem Dashboard

- **Quick Links to:**
- Approved Files > “Loaded Records” > Team Directories > Share Files for “Team Sharing
- Chemical Reports/Well Construction Logs/Data Exports

USACE, New England District (NAE)

FORMERLY USED DEFENSE SITES CHEMICAL DATABASE ONLINE | FUDS chem

USACE, New England District (NAE) | DASHBOARD TOOLS REPORTS MAPS LIBRARY QUICK LINKS HELP

Link to Original Records

Approved Files	
Administrative Record	0
Planning Documents	4
Well Construction	11
COCs and Field Logs	0
Sample Receipts	0
Laboratory Reports	0
Data Review Reports	0
Electronic Data	75
Decision Documents	0
Project Config Files	8
Miscellaneous	2

Environmental Data	
Field Parameters	0
Groundwater Elevations	54
Lithology	0
Locations	298
Results	75,454
Samples	1,388
Site Cross-Reference	298
Sites	1
Tests	3,289
Unexploded Ordnance	0
Well Construction	17
Well Intervals	22
Well Maintenance	0
Zone Cross-Reference	0

File Status	
Pending Certification	2
Pending Approval	0
Approved	100

Points of Contact	
Evin McKinney (Admin)	
Angelika Lugo (Admin)	

Active Users	
Active Users	
Michael Kulbersh	
InActive Users	

Project Calendar						
March 2016						
S	M	T	W	T	F	S
28	29	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2
3	4	5	6	7	8	9

Communications Log

Angelika Lugo wrote:
Upload is completed and they are now available in the library.

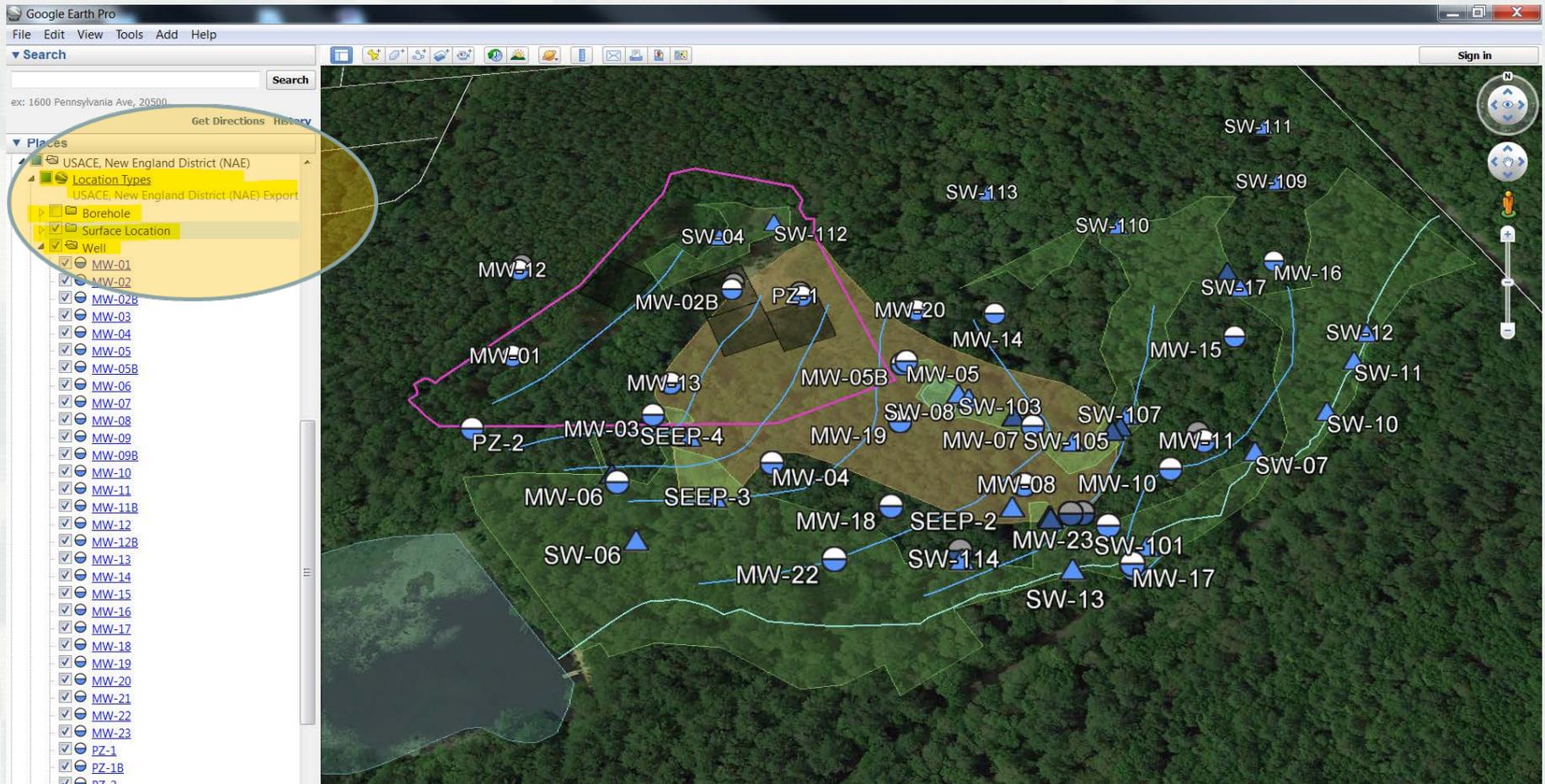
Angelika Lugo wrote:
Hi Mike, I will be uploading them now.

Michael Kulbersh wrote:
Angie let me know when the MW-21/22/23 boring & well construction logs are loaded

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Google Earth – Where the Fun Begins



We will Return to this Shortly...Report Querying First!



ADR – Chemist Stuff



FORMERLY USED DEFENSE SITES
CHEMICAL DATABASE ONLINE

FUDS
chem

USACE, New England District (NAE) ▾
DASHBOARD TOOLS REPORTS MAPS LIBRARY QUICK LINKS

USACE, New England District (NAE)

Approved Files	
Administrative Record	0
Planning Documents	7
⊕ Boring Logs	0
⊕ Well Construction	11
COCs and Field Logs	0
⊕ Laboratory Reports	0
⊕ Data Review Reports	0
⊕ Electronic Data	74
Decision Documents	0
⊕ Project Config Files	8
Miscellaneous	2

File Status	
Pending Certification	4
Pending Approval	3
Approved	102

Active Users

- ⊖ Active Users
 -  Angelika Lugo
 -  Katherine Malinowski
 -  Marlicia Jauregui
 -  Michael Kulbersh
 -  Philip Edwards
 -  Suzan Hughes
- ⊖ InActive Users

ADR and Submission Reports

- Environmental Setup Reports
- Event Tracking Reports
- ADR and Submission Reports**
- Environmental Data
- QCSR Reports
- Data Assessment Reports
- UFP QAPP Worksheets
- Library Reports

ADR Detail

- ADR Interim Workgroup Report
- ADR Summary
- Data Qualifier Reason Code Definitions
- Data Review Status Report
- Electronic Data Specification
- Field Duplicates by Event and Site
- Field Duplicates by Event and Site (User Criteria)
- Field Duplicates by SDG
- Field Duplicates by SDG (User Criteria)
- Qualified Results by Event
- Submission Errors and Warnings
- Submission Log
- Submitted Field Samples
- View Flagging Issues
- View Submission Checks

let me know if you have any questions.

Marli

Katherine Malinowski wrote:

Hi Marli, This is Katherine Malinowski at USACE New England. I am trying to locate the Bucks Harbor EDDs, specifically the lab SEDD and

Not My Cup of Tea... Your Smart and Take Care of things!




Chemical Queries – Getting to Your Data

The screenshot shows a web-based interface for chemical queries. The interface includes a menu bar (File, Edit, View, Favorites, Tools, Help) and a toolbar with various icons. The main content area is divided into several sections:

- Site:** Hingham Former Burning Grounds
- Event:** Historical Sampling, 2014 Spring
- Result Type:** All Results
- Location Type:** Well
- Well Type:** Monitoring Well, Piezometer
- Location(s):** MW-01, MW-02, MW-02 (FD)
- Method Group:** SW6860, SW8321A, SW8330B
- Contaminants of Concern:** 1,3,5-Trinitrobenzene, 1,3-Dinitro
- Analyte Display:** Analyte Horizontal
- Logo to Display:** <Select a Value>

A red circle highlights the Site, Result Type, Well Type, Method Group, and Analyte Display sections. A red arrow points to the Event dropdown menu. Another red arrow points to the list of contaminants of concern, which includes:

- 2,6-Diamino-4-Nitrotoluene
- 2,6-Dinitrotoluene
- 2-Amino-4,6-dinitrotoluene
- 2-Nitrotoluene
- 3-Nitrotoluene
- 4-Amino-2,6-dinitrotoluene
- 4-Nitrotoluene
- Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)
- Hexahydro-1,3,5-trinitroso-1,3,5-triazine
- Hexahydro-1,3-dinitroso-5-mononitro-1,3,5-triazine
- Hexahydro-1-mononitroso-3,5-dinitro-1,3,5-triazine
- Nitrobenzene
- Nitroglycerin
- Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)
- Pentaerythritol tetranitrate
- Perchlorate
- Picric Acid
- Tetryl

A white callout box with red text says "Select Your Event/Locations/Analytes or Methods".



Chemical Well Queries – Getting to Your Data AND RESULTS

Select Your
Event/Locations/Analytes or
Methods

Hingham Former Burning Grounds

All Results

Monitoring Well, Piezometer

Method Group: SW6860, SW8321A, SW8330B

Analyte Display: Analyte Horizontal

Logo to Display: Project Logo

Event: Historical Sampling, 2014 Spring

Location Type: Well

Location(s): MW-01, MW-02, MW-02 (FD), N

Contaminants of Concern: 2,4-Dinitrotoluene, Hexahydro-

SubTitle: NU

1 of 5 100% Find | Next

Location	Field Sample ID	Sample Begin Depth	Sample End Depth	Sample Date	Dinitrotoluene (ug/L)	2,4-Dinitrotoluene (RDx) (ug/L)	Hexahydro-1,3,5-triazine (HMX) (ug/L)	Hexahydro-1,3,5-triazine (RDX) (ug/L)	Oxalhydro-1,3,5,7-tetranitro-1,3,5-triazine (ug/L)	Perchlorate (UG/L)
MW-01	MW-1-011101	0.00	0.00	01/11/2001	0.25	0.25	0.25	-	-	-
	MW-01-1008	0.00	0.00	10/07/2008	0.25	0.25	0.25	0.25	-	-
	MW011009	0.00	0.00	10/28/2009	0.20	0.20	0.20	0.20	-	-
	HFBG-GWMW1-050714	0.00	0.00	05/07/2014	0.20 U	0.20 U	0.20 U	0.20 U	0.092	-
	HFBG-GWMW1-102714	0.00	0.00	10/27/2014	0.20 U	0.20 U	0.20 U	0.20 U	0.069	-
	HFBG-GWMW1-061515	0.00	0.00	06/15/2015	0.20 U	0.067 U	0.20 U	0.20 U	-	-
	HFBG-GWMW1-110215	0.00	0.00	11/02/2015	0.20 U	0.20 U	0.20 U	0.20 U	0.072	-
	MW-01-00-111300	0.00	2.00	11/13/2000	-	-	-	-	-	-
	MW-01-04-111300	4.00	6.00	11/13/2000	-	-	-	-	-	-
MW-02	MW-2-011101	0.00	0.00	01/11/2001	0.38	0.57	0.25	-	-	-
	MW2-121702	0.00	0.00	12/17/2002	0.0000	1.3	0.25	0.25	-	-
	MW02-0705	0.00	0.00	07/07/2005	0.45	0.25	0.25	-	-	-
	MW-02-1008	0.00	0.00	10/07/2008	0.35	3.2	0.25	0.25	-	-
	MW021009	0.00	0.00	10/28/2009	0.52	1.2	0.50	0.20	-	-
	HFBG-GWMW2-050614	0.00	0.00	05/06/2014	0.63	1.2	0.20 U	0.20 U	0.086	-
	HFBG-GWMW2-102814	0.00	0.00	10/28/2014	0.28 J	2.9	0.20 U	0.20 U	0.20	-
	HFBG-GWMW2-061615	0.00	0.00	06/16/2015	0.37 J	0.54 J	0.20 U	0.20 U	-	-
	HFBG-GWMW2-110515	0.00	0.00	11/05/2015	0.20	0.44 J	0.20 U	0.20 U	0.089	-



Chemical SW Queries – Choosing Location AND Analytes

Site: Event:

Result Type: Location Type:

Well Type: Location(s):

Method Group: Contaminants of Concern: Surface Location Borehole Well

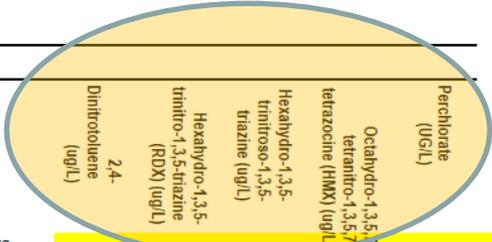
Analyte Display: SubTitle: NULL

Logo to Display:

1 of 3 100% Find | Next

Analytes & Results





Location	Field Sample ID	Sample Begin Depth	Sample End Depth	Sample Date	Dinitrotoluene (ug/L)	2,4-trinitro-1,3,5-triazine (ug/L)	Hexahydro-1,3,5-trinitro-1,3,5-triazine (ug/L)	Hexahydro-1,3,5-triazine (ug/L)	tetraazocine (HMX) (ug/L)	Octahydro-1,3,5,7-tetraazocine (HMX) (ug/L)	Perchlorate (ug/L)
Seep-1	HFBG-SEEP01-050514	0.00	0.00	05/05/2014	0.40	0.92	0.052 J	0.27	-	-	-
	HFBG-SEEP01-102914	0.00	0.00	10/29/2014	0.29 J	1.2	0.038 U	0.28	-	-	-
	HFBG-SEEP01-061715	0.00	0.00	06/17/2015	0.26 J	1.5 J	0.20 U	0.38 J	-	-	-
	HFBG-SEEP01-103015	0.00	0.00	10/30/2015	0.22 J	1.1 J	0.044 UJ	0.31 J	-	-	-
Seep-2	HFBG-SEEP02-050514	0.00	0.00	05/05/2014	0.62	2.2 J	0.039 J	0.17 J	-	-	-
	HFBG-SEEP02-102914	0.00	0.00	10/29/2014	0.34	1.1	0.20 U	0.23	-	-	-
	HFBG-SEEP02-061715	0.00	0.00	06/17/2015	0.43	0.55 J	0.20 U	0.18	-	-	-
	HFBG-SEEP02-103015	0.00	0.00	10/30/2015	0.084 J	0.81 J	0.20 U	0.28 U	-	-	-
Seep-2 (FD)	HFBG-SEEP-DUP-04	0.00	0.00	10/30/2015	0.076 J	0.97	-	0.28 U	-	-	-
Seep-3	HFBG-SEEP03-050514	0.00	0.00	05/05/2014	0.20 U	0.99 J	0.052 J	0.056 J	-	-	-
	HFBG-SEEP03-103014	0.00	0.00	10/30/2014	0.20 U	0.37	0.069 J	0.057 U	-	-	-
	HFBG-SEEP03-061615	0.00	0.00	06/16/2015	0.20 U	0.38 J	0.20 U	0.20 U	-	-	-



Location Query – Where are Your Samples Located & What is Its Elevation?

Site(s) **Hingham Former Burning Group**

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Coordinates and Elevation

MW-04	2896926.40	833762.00	98.40	FT
MW-05	2897144.40	833975.60	100.70	FT
MW-06	2896886.70	833517.30	97.70	FT
MW-07	2897005.10	834188.30	93.80	FT
MW-08	2896886.70	834169.30	94.10	FT
MW-09	2896832.20	834240.40	85.20	FT
MW-10	2896919.80	834407.10	87.70	FT
MW-11	2896976.30	834468.60	83.50	FT
MW-12	2897359.60	833255.00	129.90	FT
MW-13	2897092.10	833573.70	110.80	FT
MW-14	2897257.50	834131.40	94.70	FT
MW-15	2897206.20	834553.00	84.30	FT
MW-16	2897394.10	834653.70	81.70	FT
MW-17	2896742.00	834328.80	83.40	FT
PZ-1	2897298.00	833782.60	110.70	FT
PZ-2	2896992.40	833258.20	115.50	FT
MW-02B	2897313.90	833653.80	112.70	FT
MW-05B	2897138.00	833968.00	101.10	FT
MW-09B	2896833.10	834259.20	84.40	FT
MW-11B	2896992.80	834460.60	84.10	FT
MW-12B	2897373.40	833257.90	129.90	FT
BR-1	2897377.90	833456.90	116.60	FT
PZ-1B	2897306.90	833778.90	111.60	FT
SED-101	2896658.40	833508.50	92.80	FT
GP-102	2896964.80	833573.20	103.30	FT
GP-103	2897031.20	834065.70	97.80	FT
GP-104	2897069.30	833978.40	99.00	FT
BKGND-1	2898639.20	834783.50	96.80	FT
BKGND-2	2898124.00	833749.80	139.10	FT
BKGND-3	2896892.60	835125.50	120.50	FT
MW-18	2896844.28	833957.50	93.90	FT
MW-19	2897013.08	833967.64	102.30	FT



Water Level Query – What is the Depth to Water and Groundwater Elevation over Time

Event(s) Location(s) Logo to Display Additional Title

1 of 2 100% Find | Next

Survey Water Levels By Event

Location	Coordinates North (Units)	Coordinates East (Units)	Elevation (Units)	Measuring Point Elevation	Begin Depth	End Depth	Depth to Water	Date Collected	Water Elevation	Sounding	Dry or Wet
BR-1	2897377.90 (FT)	833456.90 (FT)	116.60 (FT)	120.45	0.00	9999.00	3.95	5/20/2014	116.50	9999.00	W
BR-1	2897377.90 (FT)	833456.90 (FT)	116.60 (FT)	120.45	0.00	9999.00	7.09	10/27/2014	113.36	9999.00	W
MW-01	2897151.00 (FT)	833289.50 (FT)	122.30 (FT)	124.00	0.00	9999.00	7.86	5/20/2014	116.14	9999.00	W
MW-01	2897151.00 (FT)	833289.50 (FT)	122.30 (FT)	124.00	0.00	9999.00	10.92	10/27/2014	113.08	9999.00	W
MW-02	2897328.00 (FT)	833656.10 (FT)	113.40 (FT)	115.32	0.00	9999.00	7.36	5/20/2014	107.96	9999.00	W
MW-02	2897328.00 (FT)	833656.10 (FT)	113.40 (FT)	115.32	0.00	9999.00	7.92	10/27/2014	107.40	9999.00	W
MW-02B	2897313.90 (FT)	833653.80 (FT)	112.70 (FT)	114.85	0.00	9999.00	10.75	5/20/2014	104.10	9999.00	W
MW-02B	2897313.90 (FT)	833653.80 (FT)	112.70 (FT)	114.85	0.00	9999.00	9.87	10/27/2014	104.98	9999.00	W
MW-03	2897023.60 (FT)	833553.90 (FT)	108.30 (FT)	110.75	0.00	9999.00	3.44	5/20/2014	107.31	9999.00	W
MW-03	2897023.60 (FT)	833553.90 (FT)	108.30 (FT)	110.75	0.00	9999.00	4.03	10/27/2014	106.72	9999.00	W
MW-04	2896926.40 (FT)	833762.00 (FT)	98.40 (FT)	100.47	0.00	9999.00	3.92	5/20/2014	96.55	9999.00	W
MW-04	2896926.40 (FT)	833762.00 (FT)	98.40 (FT)	100.47	0.00	9999.00	3.40	10/27/2014	97.07	9999.00	W
MW-05	2897144.40 (FT)	833975.60 (FT)	100.70 (FT)	103.76	0.00	9999.00	6.55	5/20/2014	97.21	9999.00	W
MW-05	2897144.40 (FT)	833975.60 (FT)	100.70 (FT)	103.76	0.00	9999.00	10.17	10/27/2014	93.59	9999.00	W
MW-05B	2897138.00 (FT)	833968.00 (FT)	101.10 (FT)	114.60	0.00	9999.00	8.00	5/20/2014	106.60	9999.00	W
MW-05B	2897138.00 (FT)	833968.00 (FT)	101.10 (FT)	114.60	0.00	9999.00	10.77	10/27/2014	103.83	9999.00	W
MW-06	2896886.70 (FT)	833517.30 (FT)	97.70 (FT)	100.43	0.00	9999.00	4.77	5/20/2014	95.66	9999.00	W
MW-06	2896886.70 (FT)	833517.30 (FT)	97.70 (FT)	100.43	0.00	9999.00	4.82	10/27/2014	95.61	9999.00	W
MW-07	2897005.10 (FT)	834188.30 (FT)	93.80 (FT)	97.02	0.00	9999.00	6.43	5/20/2014	90.59	9999.00	W
MW-07	2897005.10 (FT)	834188.30 (FT)	93.80 (FT)	97.02	0.00	9999.00	6.79	10/27/2014	90.23	9999.00	W
MW-08	2896886.70 (FT)	834169.30 (FT)	94.10 (FT)	96.92	0.00	9999.00	7.04	5/20/2014	89.88	9999.00	W
MW-08	2896886.70 (FT)	834169.30 (FT)	94.10 (FT)	96.92	0.00	9999.00	7.34	10/27/2014	89.58	9999.00	W
MW-09	2896832.20 (FT)	834240.40 (FT)	85.20 (FT)	88.65	0.00	9999.00	3.97	5/20/2014	84.68	9999.00	W
MW-09	2896832.20 (FT)	834240.40 (FT)	85.20 (FT)	88.65	0.00	9999.00	3.99	10/27/2014	84.66	9999.00	W
MW-09B	2896833.10 (FT)	834259.20 (FT)	84.40 (FT)	87.51	0.00	9999.00	3.40	5/20/2014	84.11	9999.00	W
MW-09B	2896833.10 (FT)	834259.20 (FT)	84.40 (FT)	87.51	0.00	9999.00	4.76	10/27/2014	82.75	9999.00	W
MW-10	2896919.80 (FT)	834407.10 (FT)	87.70 (FT)	91.19	0.00	9999.00	8.88	5/20/2014	82.31	9999.00	W
MW-10	2896919.80 (FT)	834407.10 (FT)	87.70 (FT)	91.19	0.00	9999.00	11.68	10/27/2014	79.51	9999.00	W
MW-11	2896976.30 (FT)	834468.60 (FT)	83.50 (FT)	86.30	0.00	9999.00	4.98	5/20/2014	81.32	9999.00	W
MW-11	2896976.30 (FT)	834468.60 (FT)	83.50 (FT)	86.30	0.00	9999.00	5.19	10/27/2014	81.11	9999.00	W
MW-11B	2896992.80 (FT)	834460.60 (FT)	84.10 (FT)	87.22	0.00	9999.00	5.18	5/20/2014	82.04	9999.00	W
MW-11B	2896992.80 (FT)	834460.60 (FT)	84.10 (FT)	87.22	0.00	9999.00	5.53	10/27/2014	81.69	9999.00	W
MW-12	2897359.60 (FT)	833255.00 (FT)	129.90 (FT)	133.15	0.00	9999.00	15.64	5/20/2014	117.51	9999.00	W
MW-12	2897359.60 (FT)	833255.00 (FT)	129.90 (FT)	133.15	0.00	9999.00	19.77	10/27/2014	113.38	9999.00	W
MW-12B	2897373.40 (FT)	833257.90 (FT)	129.90 (FT)	131.02	0.00	9999.00	12.95	5/20/2014	118.07	9999.00	W
MW-12B	2897373.40 (FT)	833257.90 (FT)	129.90 (FT)	131.02	0.00	9999.00	17.16	10/27/2014	113.86	9999.00	W



Well Construction Query – How is Your Well Constructed?

Site(s) Location(s)

Additional Header

1 of 1 100% Find | Next

Well Construction Interval Report

Site	Location	Beginning Depth	End Depth	Class	Screen Number	Material	Screen Diameter	Screen Slot Size	Percent Open	Remarks
Hingham Former Burning Grounds	MW-05	0.00	5.00	BLANK	1	PVC	2.00			NA
Hingham Former Burning Grounds	MW-05	0.00	2.00	GROUT	1	GRT				Portland Cement
Hingham Former Burning Grounds	MW-05	2.00	4.00	SEAL	1	BNT				Annular seal bentonite
Hingham Former Burning Grounds	MW-05	4.00	16.00	FILPK	1	SNP				7 bags med sand 1/2 bag bentonite chips
Hingham Former Burning Grounds	MW-05	5.00	15.00	SCRN	1	PVC	2.00	0.010	3.25	screen set 2'39; above water table
Hingham Former Burning Grounds	MW-10	4.00	11.00	SCRN	1	HIS	0.00			NA
Hingham Former Burning Grounds	MW-13	0.00	4.50	BLANK	1	PVC	1.00			NA
Hingham Former Burning Grounds	MW-13	0.00	1.50	GROUT	1	GRT				Portland Cement
Hingham Former Burning Grounds	MW-13	1.50	2.50	SEAL	1	BNT				Annular Seal Bentonite
Hingham Former Burning Grounds	MW-13	2.50	14.50	FILPK	1	1S				NA
Hingham Former Burning Grounds	MW-13	4.50	14.50	SCRN	1	HIS	0.00			NA
Hingham Former Burning Grounds	MW-14	0.00	2.00	BLANK	1	PVC	2.00			NA
Hingham Former Burning Grounds	MW-14	0.00	0.50	GROUT	1	GRT				Concrete
Hingham Former Burning Grounds	MW-14	0.50	1.00	SEAL	1	BNT				Annular seal bentonite
Hingham Former Burning Grounds	MW-14	1.00	15.00	FILPK	1	2S				Silica No. 2
Hingham Former Burning Grounds	MW-14	2.00	12.00	SCRN	1	PVC	2.00	0.010	3.25	NA
Hingham Former Burning Grounds	MW-18	4.00	14.00	SCRN	1	PVC	2.00			PVC used as default material, 2" used as default diameter
Hingham Former Burning Grounds	MW-19	10.00	20.00	SCRN	1	PVC	2.00			PVC used as default material, 2" used as default diameter
Hingham Former Burning Grounds	MW-20	6.00	16.00	SCRN	1	PVC	2.00			PVC used as default material, 2" used as default diameter
Hingham Former Burning Grounds	MW-21	2.00	12.00	SCRN	1	PVC	2.00			PVC used as default material, 2" used as default diameter



Need a Well Construction/Boring Log ?

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D01MA0232 - Hingham NAD Annex
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Laboratory Reports	0
Data Review Reports	0
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Decision Documents	0
Project Config Files	8
Miscellaneous	2

Environmental Data

Field Parameters	0
Groundwater Elevations	54
Lithology	0
Locations	298
Results	74,823
Samples	1,388
Site Cross-Reference	298
Sites	1
Tests	3,209
Unexploded Ordnance	0
Well Construction	17
Well Intervals	22
Well Maintenance	0
Zone Cross-Reference	0

File Status

Pending Certification	3
Pending Approval	0
Approved	100

Communications Log

Angelika Lugo wrote:
 Upload is completed and they are now available in the library.

Angelika Lugo wrote:
 Hi Mike, I will be uploading them now.

Michael Kulbersh wrote:
 Angle let me know when the MW-21/22/23 boring & well construction logs are loaded

powered by synectics edms



Need a Hard Copy of Well Construction/Boring Log ?

FORMERLY USED DEFENSE SITES CHEMICAL DATABASE ONLINE **FUDS chem**

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D01MA0232 - Hingham NAD

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Boring Log, MW-18, Nobis Engineering, 2014-10-15
Former Burning Grounds - Wompatuck State Park Hingham, MA (General D01MA0232 - Hingham NAD Annex)
usnae_001076.pdf (124 KB) metadata

Boring Log, MW-19, Nobis Engineering, 2014-10-15
Former Burning Grounds - Wompatuck State Park Hingham, MA (General D01MA0232 - Hingham NAD Annex)
usnae_001077.pdf (131 KB) metadata

Boring Log, MW-20, Nobis Engineering, 2014-10-15
Former Burning Grounds - Wompatuck State Park Hingham, MA (General D01MA0232 - Hingham NAD Annex)
usnae_001078.pdf (122 KB) metadata

Well Construction Diagram, MW-5, ICF International, 2004-09-14
Former Burning Grounds - Wompatuck State Park Hingham, MA (General D01MA0232 - Hingham NAD Annex)
usnae_001080.pdf (77 KB) metadata

Well Construction Diagram, MW-13, ICF International, 2008-09-18
Former Burning Grounds - Wompatuck State Park Hingham, MA (General D01MA0232 - Hingham NAD Annex)
usnae_001081.pdf (119 KB) metadata

Well Construction Diagram, MW-14, ICF International, 2009-10-15
Former Burning Grounds - Wompatuck State Park Hingham, MA (General D01MA0232 - Hingham NAD Annex)
usnae_001082.pdf (119 KB) metadata



BORING LOG

Project: Former Burning Grounds - Wompatuck State Park

Location: Hingham, MA

Nobis Project No.: 83910.03

Contractor: Technical Drilling Services Rig Type / Model: Truck / CME 55

Driller: B. Balyk Hammer Type: Automatic Hammer

Nobis Rep.: A. Roy Hammer Hoist: Automatic

Boring No.: MW-18

Boring Location: _____

Checked by: S. Vetere

Date Start: October 15, 2014

Date Finish: October 15, 2014

Ground Surface Elev.: 93.9

Datum: _____

Drilling Method		Sampler		Groundwater Observations				
Type	Casing	Split-Spoon	Date	Time	Depth Below Ground (ft.)	Depth of Casing (ft.)	Depth to Bottom of Hole (ft.)	Stabilization Time
Size ID (in.)	5	1-3/8						
Advancement	Drive and Wash	140-lb Hammer						

Depth (ft)	SAMPLE INFORMATION				Ground Water	LITHOLOGY		SAMPLE DESCRIPTION AND REMARKS (Classification System: Modified Burmister)	WELL DETAIL	NOTES
	Type & No.	Rec (in.)	Depth (ft.)	Blows/ 6 in.		Graphic	Stratum Elev / Depth (ft.)			
-1										
0										
1	S-1	8	0-2	1		TOPSOIL	S-1A (4"): Soft, dark brown, SILT, trace fine Sand, numerous roots and leaves. moist. (TOPSOIL). S-1B (2"): Loose, brown, fine to coarse SAND, little Silt, trace fine to coarse Gravel. moist. (SAND).	<ul style="list-style-type: none"> ← 4" protective stick-up ← 4" protective stick-up with concrete seal ← Bentonite seal ← Riser and sand 		
2				2						
3				3						
4				6						
5	S-2	15	4-6	15			S-2: Medium dense, light brown, fine to coarse SAND, little Silt, trace fine to coarse Gravel. moist. (SAND).			
6				11						
7				15						
8				12						
9						SAND				
10	S-3	8	9-11	6			S-3: Medium dense, light brown, fine to coarse SAND, little Silt, trace fine Gravel. moist. (SAND).	<ul style="list-style-type: none"> ← Slotted pipe and sand 		
11				18						
12				20						
13				7						



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Coverage (Site, AOC, etc.): **D01MA0232 - Hingham NAD Annex** | Administrative Record Status:

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Document Type: | Revision Status: | DCMI Type: | Language:

Author:

Author Organization:

Recipient:

UNIFORM FEDERAL POLICY - QUALITY ASSURANCE PROJECT PLAN
HINGHAM FORMER BURNING GROUNDS SITE
WOMPATUCK STATE PARK
HINGHAM, MASSACHUSETTS

FUDS Project Number D01MA023207
CENAE Project Number 108282

OCTOBER 2014

FINAL ADDENDUM

Prepared for:

U.S. Army Corps of Engineers – New England District



Contract No. W912WJ-11-D-0002

Task Order 0004

Prepared by:



A Service-Disabled Veteran Owned Small Business



REVIEWING AND EVALUATING YOUR DATA IN GOOGLE EARTH

➤ Google Earth

- Where are **YOUR** Samples Located
- How to Begin to Understand The Chemistry at Your Site
- Choose A Location Type (**Wells/Surface Water/Borings**)
- ARCGIS Shapefiles can be uploaded into FUDSChem and exported to Google Earth as a group or individually exported!
- With Google Earth PRO users can import Shapefiles and other Coverages, if needed to Customize View **AND** better understand YOUR data

➤ Project Team Involvement



Data Export to Google Earth

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Data - Export

eQAPP | SEDD | TerraBase | ERIS | ERPIMS | NEDD | **EQUIS** | **KML** | GeoT

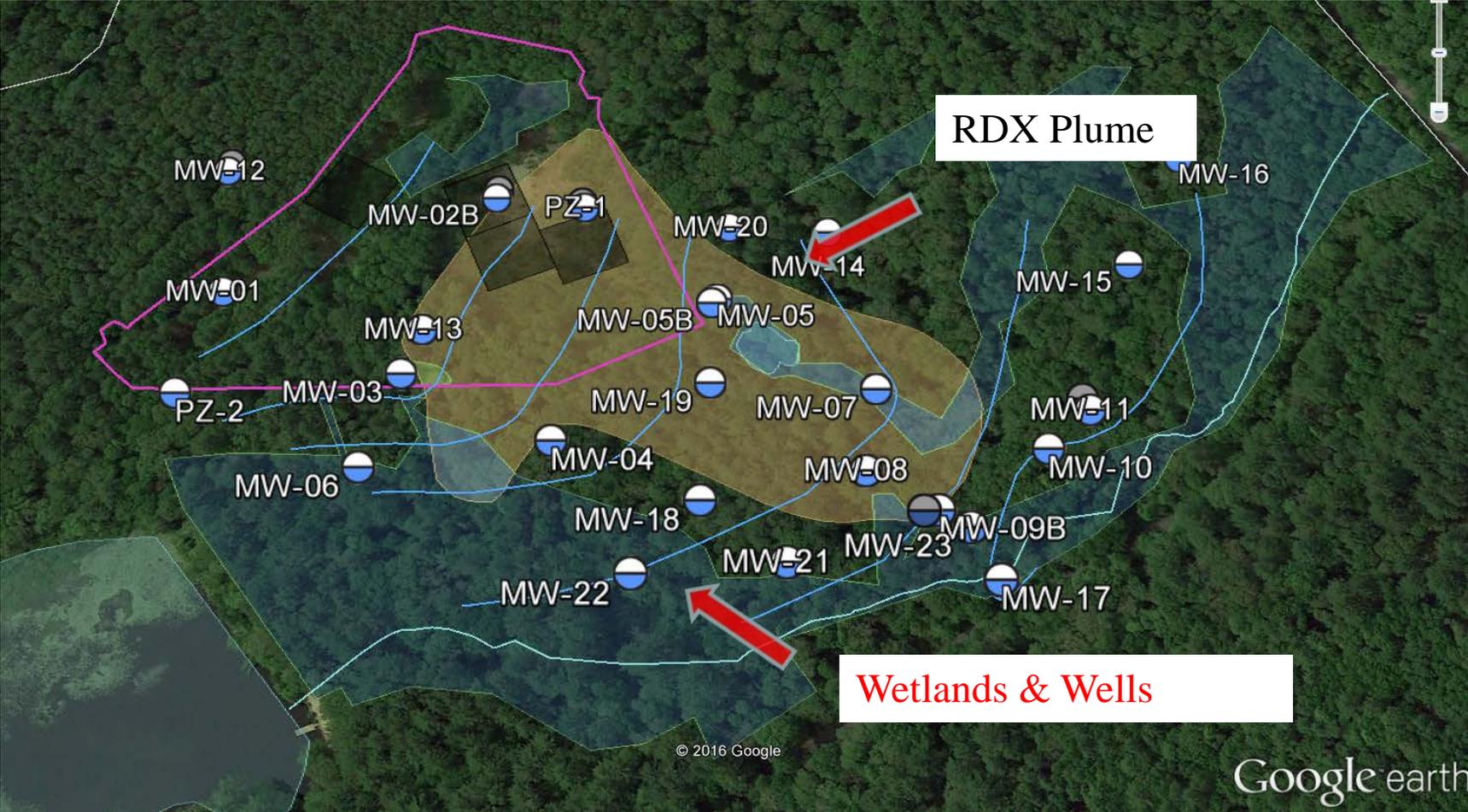
Select Layers to Include

- Check All
- Fence Line
- Groundwater Elevation Contours
- Hingham NAS Annex Boundary
- Historic ISM Samples
- Ponds
- RDX Plume
- Rivers
- Wetlands

Enable compression (KMZ instead of KML) | **Export Data**

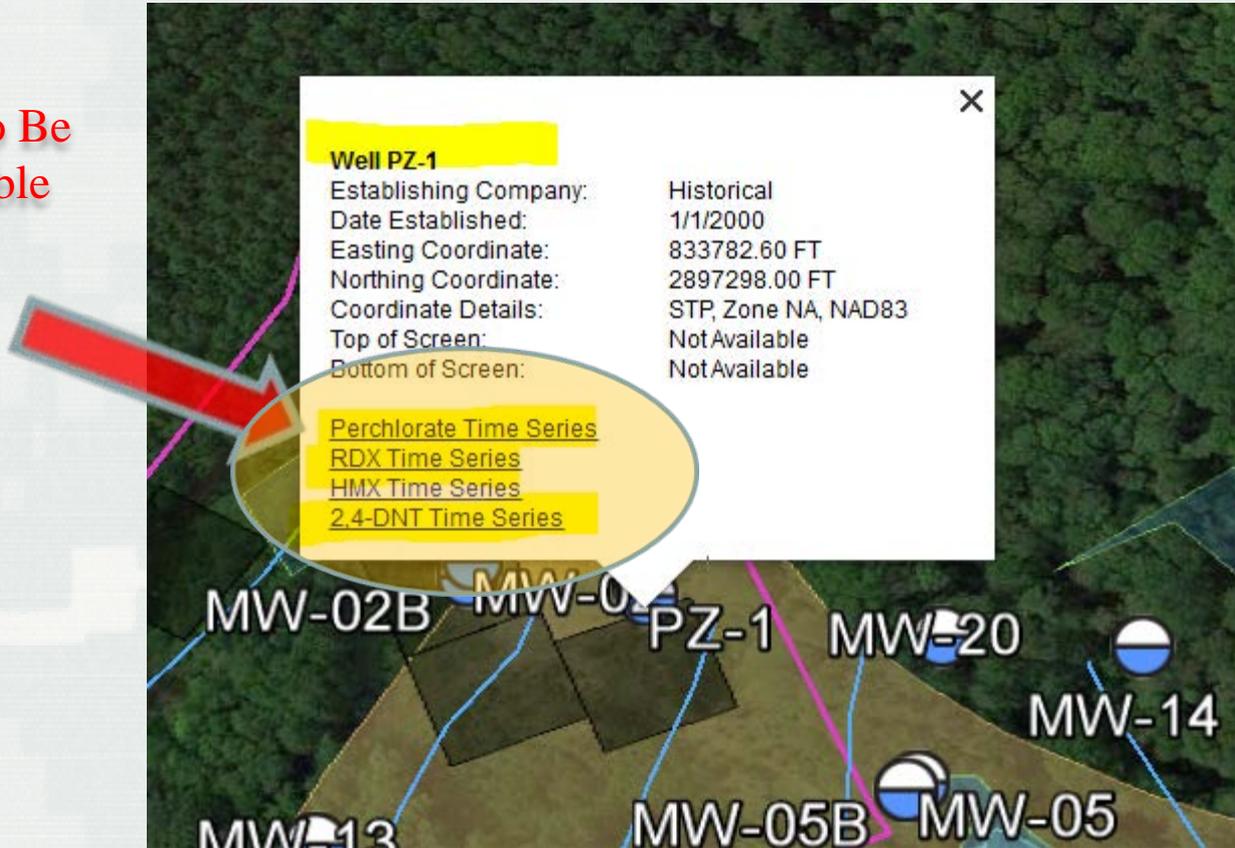


Viewing Well Data in Google Earth



Choose Analyte for Time-Series Plot in Google Earth

Analytes to Be Customizable

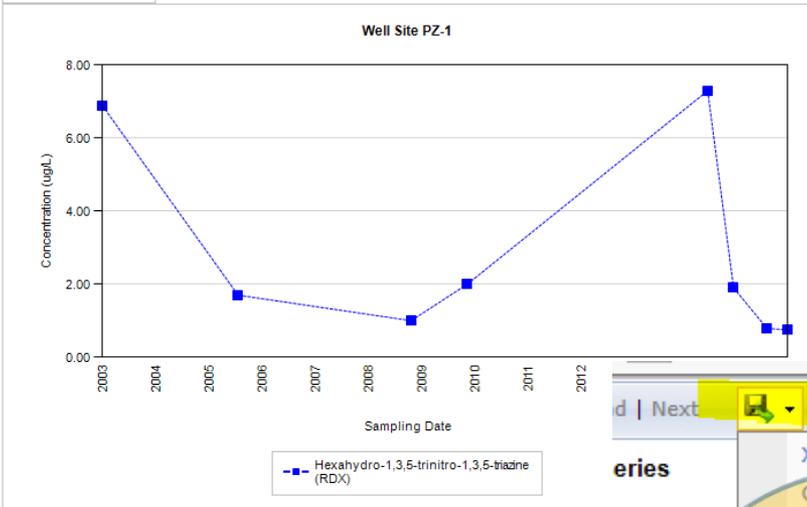


Time-Series Plots in Google Earth

RDX Time-Series

PZ-1 Chemical Time Series
 Top of Screen Elevation Not Available
 Bottom of Screen Elevation Not Available

PZ-1	Dec-02	Jul-05	Oct-08	Oct-09	May-14	Oct-14	Jun-15	Nov-15	Nov-15
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) (ug/L)	6.9	1.7	1.0	2.0	7.3	1.9	0.79 J	0.73 J	0.75 J

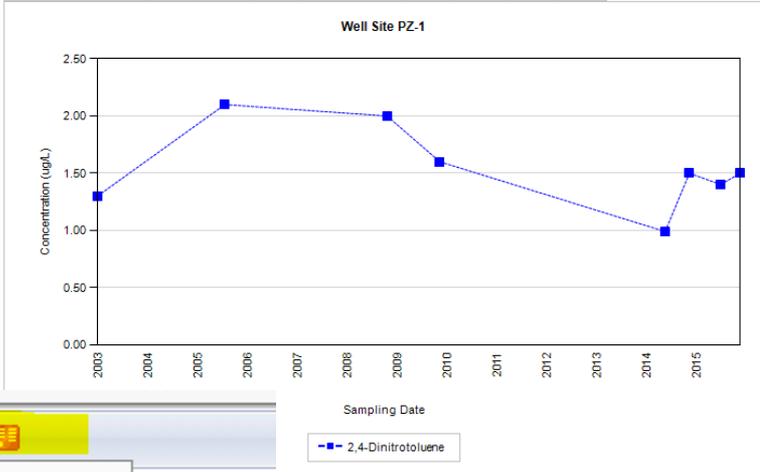


In the event that both a normal sample and a field duplicate were collected, the higher of the two results will be displayed on the chart.
 Hollow markers indicate non-detected results.

2,4-DNT Time-Series

PZ-1 Chemical Time Series
 Top of Screen Elevation Not Available
 Bottom of Screen Elevation Not Available

PZ-1	Dec-02	Jul-05	Oct-08	Oct-09	May-14	Oct-14	Jun-15	Nov-15	Nov-15
2,4-Dinitrotoluene (ug/L)	1.3	2.1	2.0	1.6	0.99	1.5 J	1.4	1.5	1.5



In the event that both a normal sample and a field duplicate were collected, the higher of the two results will be displayed on the chart.

Available for download:

- XML file with report data
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- MHTML (web archive)
- Excel
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Exportable to many formats



CONCLUSION

- FUDSChem IS A TOOL for Importing Validated SEDD Data Deliverables & Querying Chemistry and Geology Data
- Archiving Laboratory Data Reports/ Validated SEDD Deliverables /Boring Logs/ Well Construction Logs / ARCGIS Files...and MUCH More!
- Can be used to Share Documents with the Project Team
- Has Advanced Search Capabilities to find Project Documents
- Exports to Google Earth to View Sample Locations/Sample types
 - Customizable Analytes for Viewing Chemical Data
 - Viewing Time-Series Chemical Plots
- Project Team Better Understands the Data and Feels a Sense of Ownership



QUESTIONS ???

