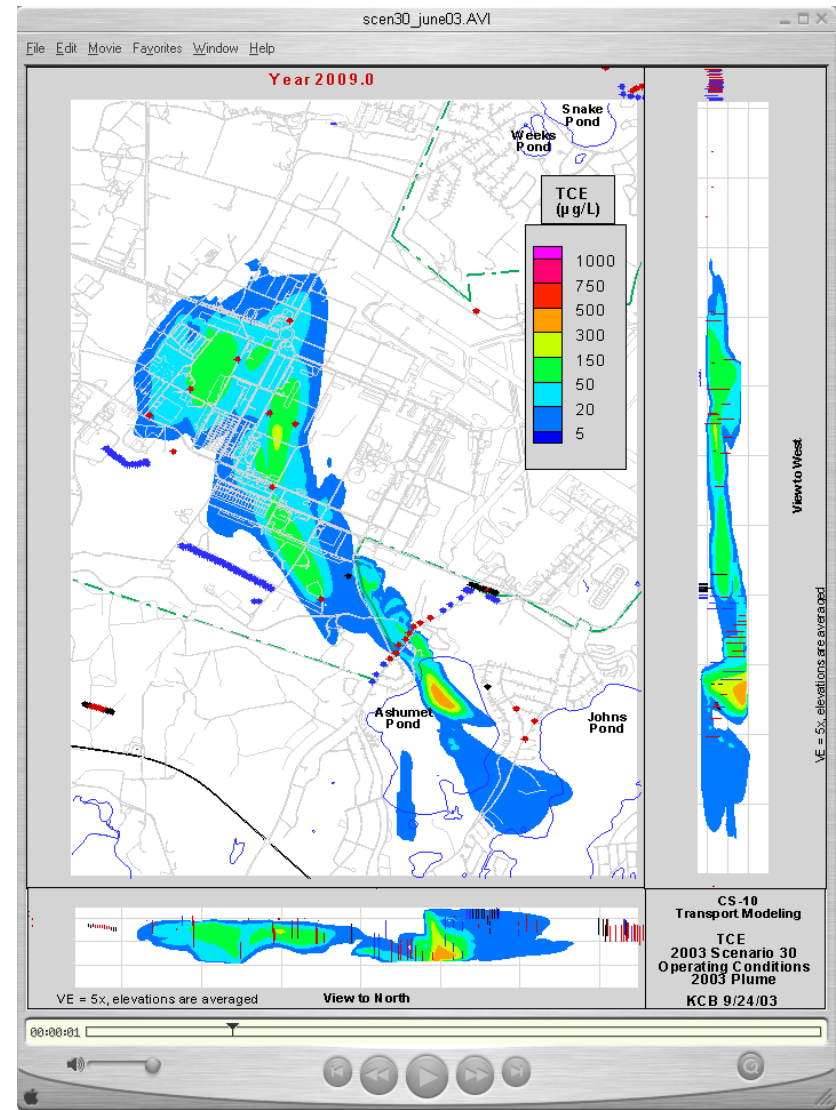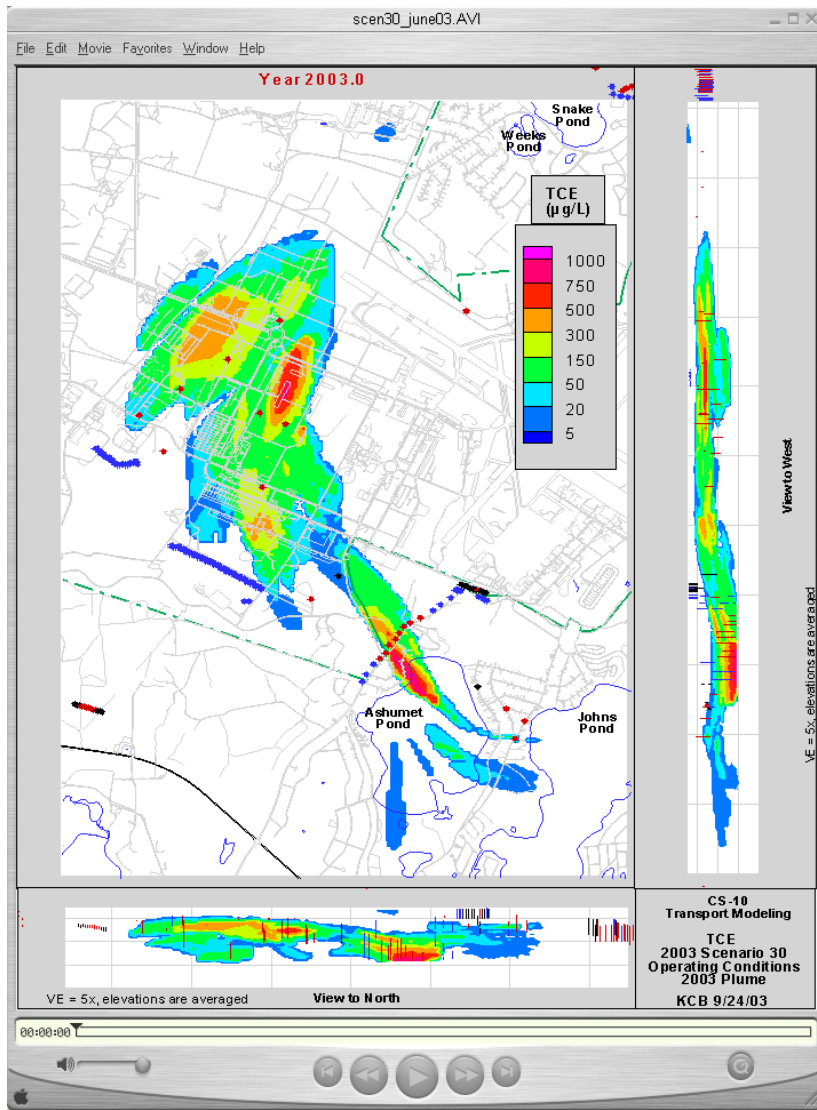# History of Operations and Modeling Evaluations (HOME) Database

Purpose for HOME Database

- Provide real-time analysis tools for AFCEE-performed groundwater remedial operations and modeling at MMR;

- Provide raw data collected during the startup, shutdown, and testing of remedial system components;

- Present information interpreted from physical and chemical data (plume shells, aquifer parameters, etc.); and

- Present model-based predictions regarding system performance and contaminant transport.

Key Components of HOME

- Provides efficient access to historical data and evaluations for location-specific, plume/study area-specific, and sitewide analysis;

- Presents model-predicted concentrations, plume shell volumes, and future mass removal over time;

- Allows database queries for all users from frequently-updated saved queries of the MMR Data Warehouse as well as direct access by AFCEE-authorized users to the MMR Data Warehouse via the Internet; and

- The HOME database software executable automatically updates itself over the Internet.

MMR History of Operations and Modeling Evaluations (HOME) Database

Choose one or more Plumes or Study Areas

Double click on the name to tag / untag plume or use the spacebar to toggle

```
Ashumet
Ashumet Pond
Ashumet Valley
Coonamessett
CS-10 In Plume
CS-10 Sandwich Road
CS-19
CS-20
CS-21
CS-23
CS-4 (Original)
CS-4 (Revised)
FS1 post-Oct 15 03
```

Select All Study Areas and Plumes

Unselect All Study Areas and Plumes

0 Plumes are selected

Choose a Data Category

Choose a data category

```
Operational History
Mass Removal
Remediation System Lifetime Projection
Model Files
Volumetrics
Hydraulic Data
Physical Data
HOME Database Maintenance
```

Choose one or more plumes and a Data Category for the task

Exit HOME

MMR History of Operations and Modeling Evaluations (HOME) Database

Choose one or more Plumes or Study Areas

Double click on the name to tag / untag plume or use the spacebar to toggle

```
Ashumet
Ashumet Pond
Ashumet Valley
Coonamessett
CS-10 In Plume
√ CS-10 Sandwich Road
CS-19
CS-20
CS-21
CS-23
CS-4 (Original)
CS-4 (Revised)
FS1 post-Oct 15 03
```

Select All Study Areas and Plumes

Unselect All Study Areas and Plumes

1 Plumes are selected

Choose a Data Category

Operational History

Task to perform

- ⦿ Flow rate as function of time Chart/Report
- ○ Major System Startup/Shutdown Events Summary Spreadsheet
- ○ Screened Interval Changes Report
- ○ Changes to Operational Conditions Report
- ○ Optimization Events Report
- ○
- ○

Next

Exit HOME

FlowRate vs Time Chart/Report options

Charting/Reporting options for flow rates

Double click on the name to tag / untag location or use the spacebar to toggle

03EW2170	CS10SR
03EW2171	CS10SR
03EW2172	CS10SR
03EW2173	**CS10SR**
03EW2174	CS10SR
03EW2175	CS10SR
03EW2176	CS10SR
03EW2177	CS10SR
03RI2180	CS10SR
03RI2181	CS10SR
03RI2182	CS10SR
03RI2183	CS10SR
03RI2184	CS10SR
03RI2185	CS10SR
28PLT01048	CS10SR

Select All Locations

Unselect All Locations

1 Locations are selected

Chart Type
- ● Daily Flow Rates vs Time
- ○ Total Pumped Volume vs Time

Date Range

1/1/1993	-	1/1/2005

Option to include a Cumulative Sum of selected locations
- ● Process selected locations without a cumulative sum
- ○ Process selected locations and include a cumulative sum
- ○ Only process a cumulative sum of the selected locations
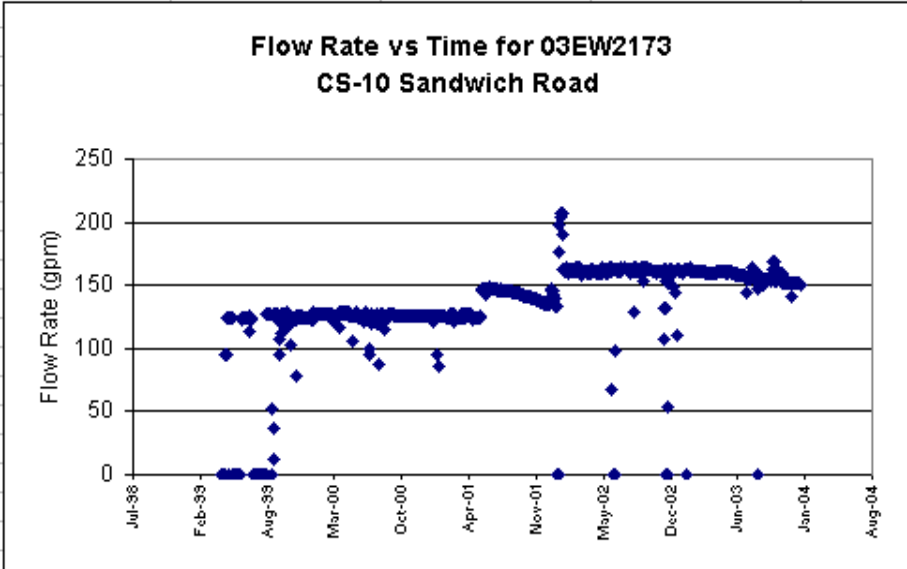
☑ Include Estimated Flowrates

☑ Add footnotes
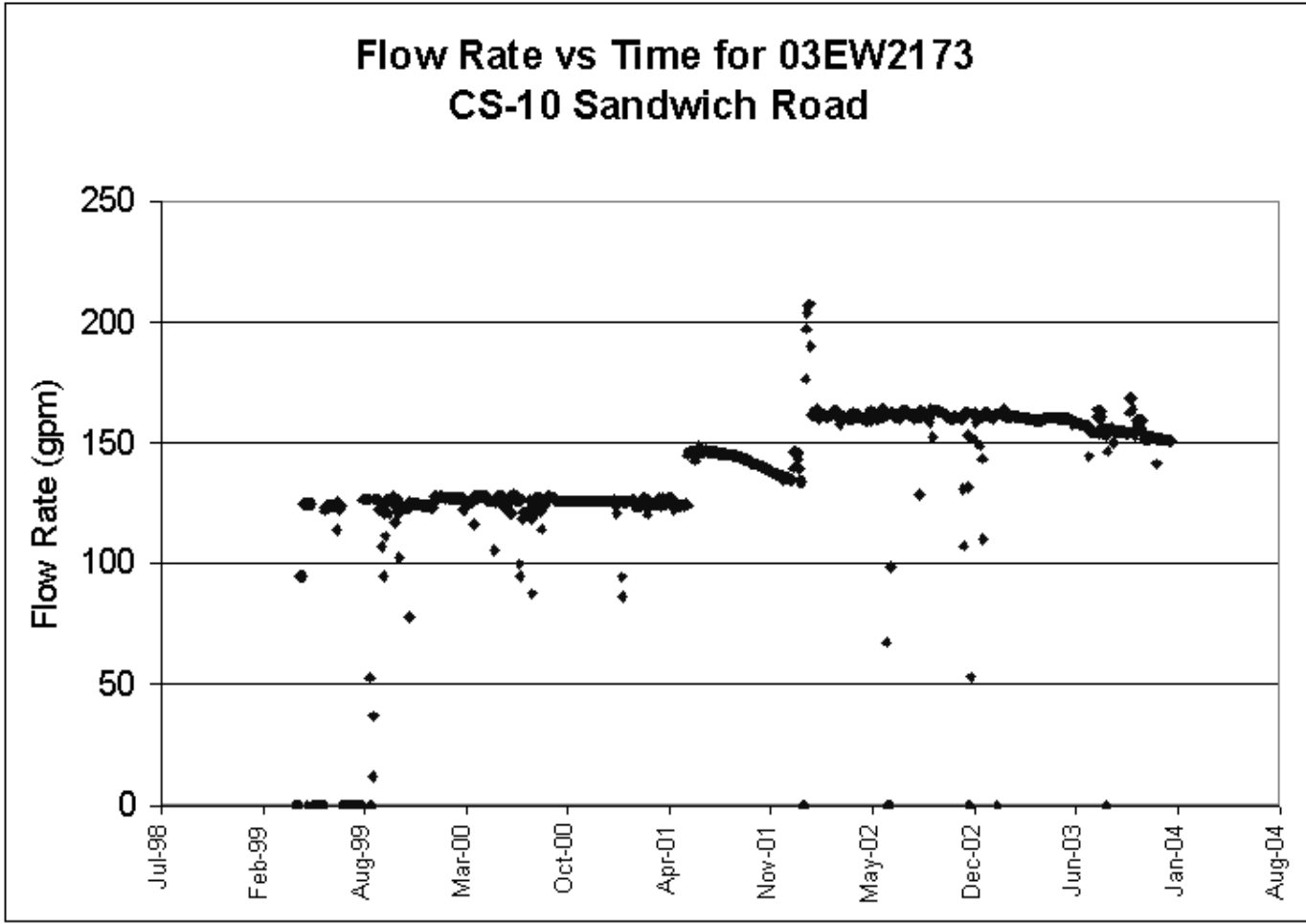
Make Flow Rate vs Time Chart/Report   **Close**

File Edit View Insert Format Tools Data Window Help

Arial 10

A1 =

**Flow Rate vs Time for 03EW2173
CS-10 Sandwich Road**

	Date	Avg. Daily Flow Rate (gpm)	Estimated Flow (Y/N)	Total Pumped Volume (millions of gal)
30	04/13/99	0	Y	0
31	04/14/99	0	Y	0
32	04/15/99	0	Y	0
33	04/16/99	0	Y	0
34	04/17/99	0	Y	0
35	04/18/99	0	Y	0

03EW2173 / Sheet1

Ready

Flow Rate vs Time for 03EW2173
CS-10 Sandwich Road

HOME_db query 01/30/2004; 03EW2173 Chart 1
Printed: 1/30/2004

MMR History of Operations and Modeling Evaluations (HOME) Database

Choose one or more Plumes or Study Areas
Double click on the name to tag / untag plume or use the spacebar to toggle

```
Ashumet
Ashumet Pond
Ashumet Valley
Coonamessett
CS-10 In Plume
CS-10 Sandwich Road
CS-19
CS-20
CS-21
CS-23
CS-4 (Original)
CS-4 (Revised)
FS1 post-Oct 15 03
```

| Select All Study Areas and Plumes |

| Unselect All Study Areas and Plumes |

0 Plumes are selected

Choose a Data Category

| Operational History ▼ |

Task to perform

- ○ Flow rate as function of time Chart/Report
- ◉ Major System Startup/Shutdown Events Summary Spreadsheet
- ○ Screened Interval Changes Report
- ○ Changes to Operational Conditions Report
- ○ Optimization Events Report
- ○
- ○

| Process Task | | Exit HOME |

File Edit View Insert Format Tools Data Window Help

Arial   8

F12   =

	System (Plume)	Project/Source Data Location[1]	Shutdown			Start-Up and Modifications			Published Report [Author (if not Jacobs), Title, Document Control Number, if
			Well(s)/Group	System Flow Rate (gpm)	Date[2]	Modifications	System Flow Rate (gpm)	Date[2]	
3	Ashumet Valley	35U40513: ...\Hydraulic Data\ ; PN's: 35K78406, 35K78407, 35S18401, 35S18801, 35S18901, 35Z01513, 35Z15613	35EW0701, 35EW0702, 35EW0703	-1224.00	12/10/1999 15:20	35EW0702 rate decreased from 525 to 504 gpm	-1199.00	12/13/1999 9:00	"Final Ashumet Valley Axial 2000 Ann Performance and Ecological Impact Monit Mar 2002; DCN: A3P-J23-35Z01513-
4	FS-12	PN's: 35Q85002, 35S18002, 35S19212, 35S18901, 35U40502 (final 1999), 35Z01503, 35Z15603	"EW6" through "EW30"	782.00	12/14/1998 15:15		782.00	12/15/1998 15:30	4th quarter 1998 report: "Fuel Spill-12 4t Data Report and Annual Performance Evaluation" (OREM does not currently hav this report in the OREM library da
5	Impact Area	35AY5101 Impact Area			11/20/2002 13:30			11/26/2002 12:00	Project Note P1-0001: "Southeast Ranges Modeling Summary	"Project Note ECC-J23-35AY5101-P"
6	FS-28	PN's: 35K78408, 35Q86101, and 35Z15614; shutdown hydraulic evaluation discussed in the 2002 SPEIM report, and data presented in Appendix C	63EW0001 (EW-1) and 86 (of 204 total) shallow well points (SWP) as a grouped remediation component	750.00	11/24/2001 7:56		750.00	11/30/2001 7:54	"Final Fuel Spill-28 2002 Annual System F Ecological Impact Monitoring Re Mar 2003; DCN: ENR-J23-35Z15614-
	LF-1	35Z15603	27EW0001, 27EW0002, 27EW0003, 27EW0004, and 27EW0005	637.60	8/23/2001 9:00		637.60	8/28/2001 9:00	"Final Landfill-1 2001 Annual System Per Ecological Impact Monitoring Report"; A3P-J23-35Z01503-M31-00

Summary

Ready   NUM

MMR History of Operations and Modeling Evaluations (HOME) Database

Choose one or more Plumes or Study Areas

Double click on the name to tag / untag plume or use the spacebar to toggle

```
    Ashumet
    Ashumet Pond
    Ashumet Valley
    Coonamessett
√   CS-10 In Plume
√   CS-10 Sandwich Road
    CS-19
    CS-20
    CS-21
    CS-23
    CS-4 (Original)
    CS-4 (Revised)
    FS1 post-Oct 15 03
```

| Select All Study Areas and Plumes |
| Unselect All Study Areas and Plumes |

2 Plumes are selected

Choose a Data Category

Mass Removal ▼

Task to perform

- ⦿ Measured Mass Removal vs Time Chart/Report
- ○ Simulated Mass Removal vs Time Chart/Report
- ○
- ○
- ○
- ○
- ○

| **Next** | **Exit HOME** |

Charting options for Mass Removal Chart/report

Double click on the name to tag / untag location or use the spacebar to toggle

	03EW2102	CS10IP
	03EW2103	CS10IP
	03EW2104	CS10IP
	03EW2105	CS10IP
	03EW2106	CS10IP
	03EW2107	CS10IP
√	03EW2109	CS10IP
√	03EW2110	CS10IP
	03EW2170	CS10SR
	03EW2171	CS10SR
√	**03EW2172**	**CS10SR**
	03EW2173	CS10SR
	03EW2174	CS10SR
	03EW2175	CS10SR
	03EW2176	CS10SR

[Select All Locations]

[Unselect All Locations]

3 Locations are selected

Option to include a Cumulative Sum of selected locations
- ○ Process selected locations without a cumulative sum
- ● Process selected locations and include a cumulative sum
- ○ Only process a cumulative sum of the selected locations

Analytes

[DCE12C ▼]

DCE12C
PCE
TCE

1/1/1993 - 1/1/2005

Treatment of Non-Detects
- ● Use Zero as the value
- ○ Use MDL / 2 as the value

Chemistry Results Data Source
- ○ Direct from Data Warehouse
- ● From saved Data Warehouse Query

☐ Use Zero Flow for Days with Estimated Flowrates

☑ Add footnotes

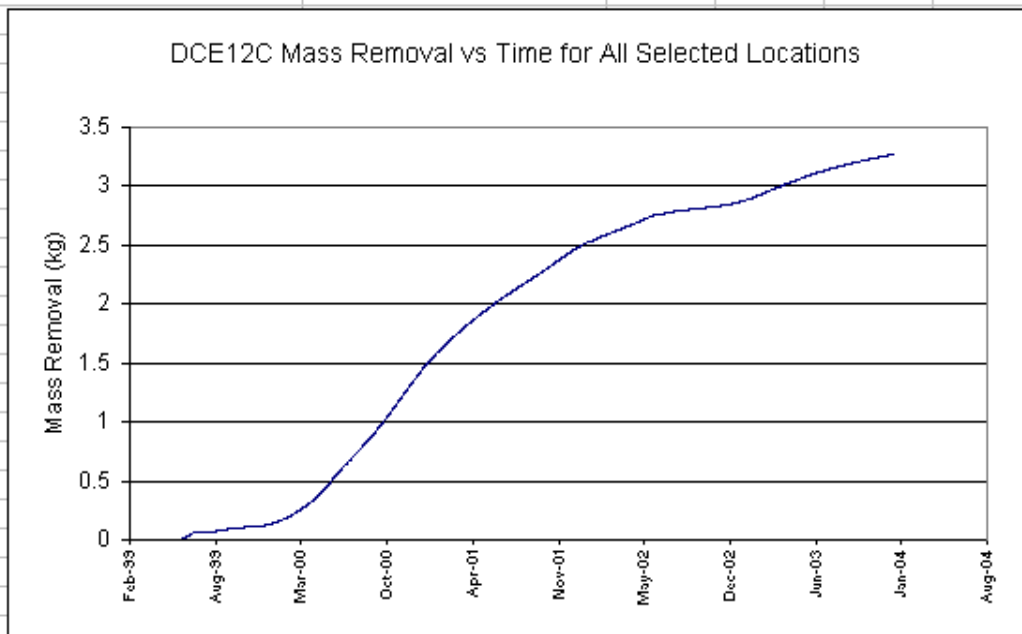[Make a DCE12C Mass Removal Chart/Report for the Locations]

[Close]

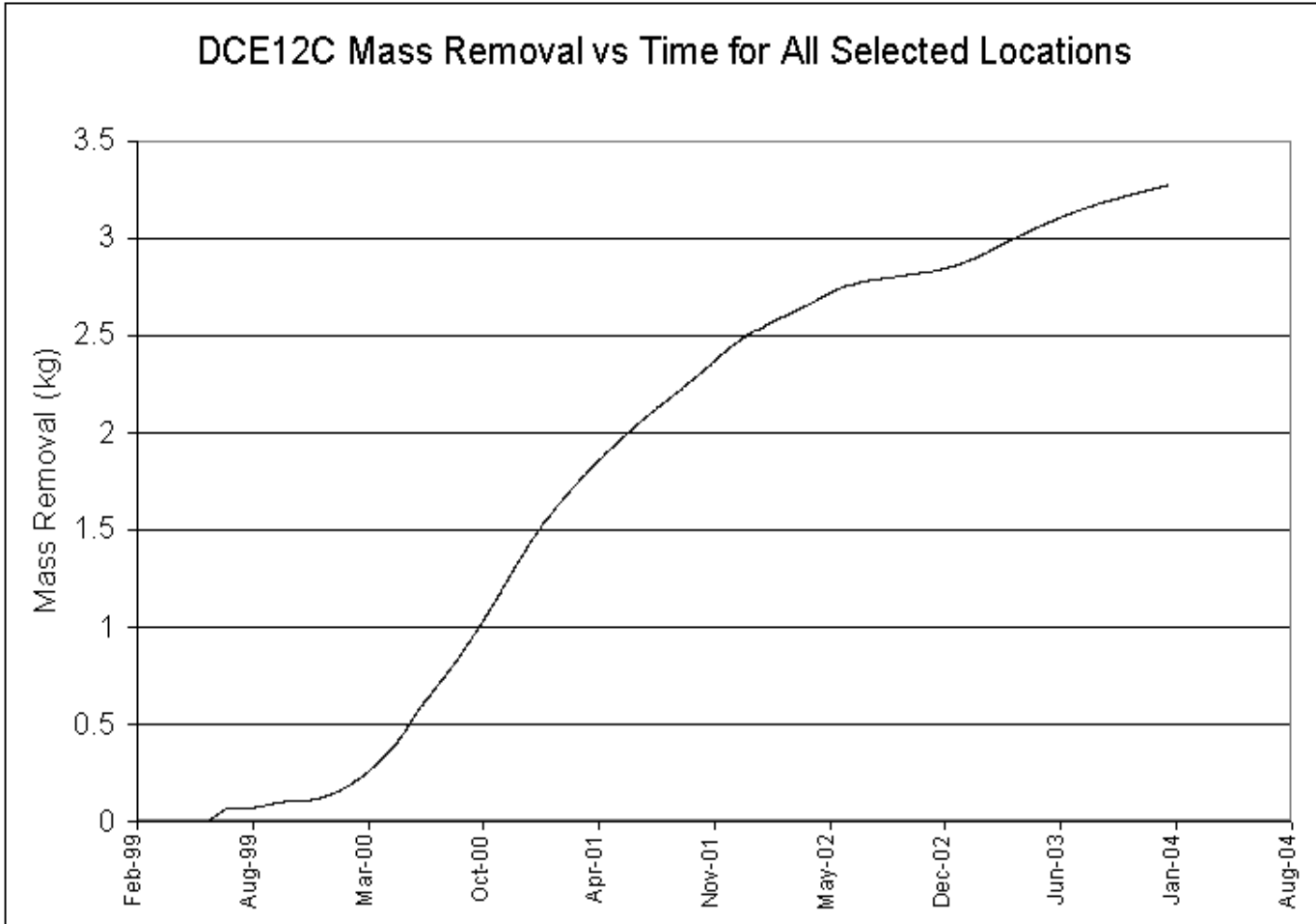File   Edit   View   Insert   Format   Tools   Data   Window   Help

Arial   10

A1   =

DCE12C Mass Removal vs Time for All Selected Locations

(Y-axis: Mass Removal (kg), values 0, 0.5, 1, 1.5, 2, 2.5, 3, 3.5)

(X-axis: Feb-99, Aug-99, Mar-00, Oct-00, Apr-01, Nov-01, May-02, Dec-02, Jun-03, Jan-04, Aug-04)

DCE12C Mass Removal for All Selected Locations

Date	Cumulative Mass Removal (kg)
06/10/99	0.002358
06/11/99	0.004713
06/12/99	0.007077
06/13/99	0.009404
06/14/99	0.01166

Sum of All Locations / 03EW2172 / 03EW2110 / 03EW2109 / Sheet1 /

Ready   NUM

DCE12C Mass Removal vs Time for All Selected Locations

HOME_db query 02/02/2004; Sum of All Locations Chart 1
Printed: 2/2/2004

DCE12C Mass Removal vs Time for 03EW2172
CS-10 Sandwich Road
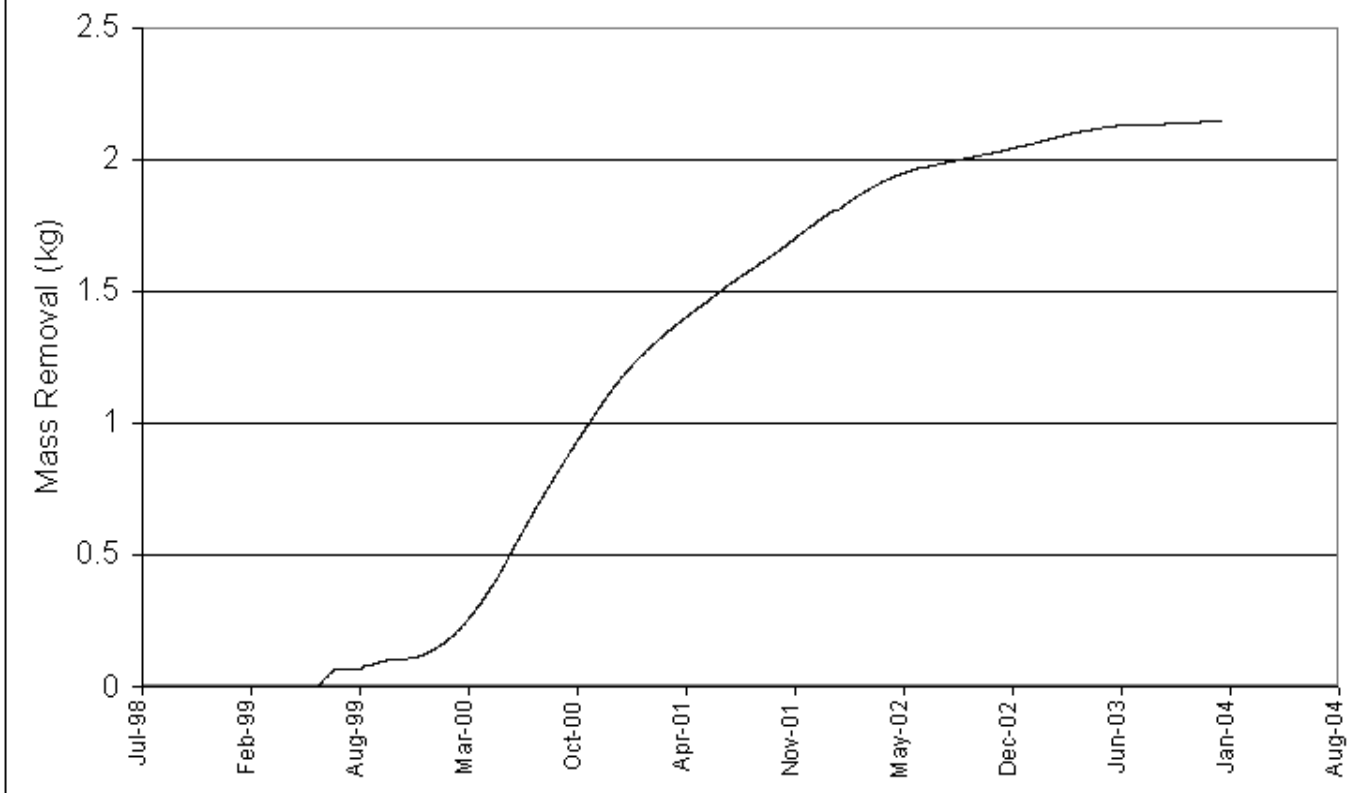
HOME_db query 01/30/2004; 03EW2172 Chart 1
Printed: 1/30/2004

MMR History of Operations and Modeling Evaluations (HOME) Database

Choose one or more Plumes or Study Areas

Double click on the name to tag / untag plume or use the spacebar to toggle

```
√ Ashumet
√ Ashumet Pond
√ Ashumet Valley
√ Coonamessett
√ CS-10 In Plume
√ CS-10 Sandwich Road
√ CS-19
√ CS-20
√ CS-21
√ CS-23
√ CS-4 (Original)
√ CS-4 (Revised)
√ FS1 post-Oct 15 03
```

| Select All Study Areas and Plumes |
| Unselect All Study Areas and Plumes |

22 Plumes are selected

Choose a Data Category

| Mass Removal | ▼ |

```
Operational History
Mass Removal
Remediation System Lifetime Projection
Model Files
Volumetrics
Hydraulic Data
Physical Data
HOME Database Maintenance
```

port

port

○

○

○

○

| **Next** | | **Exit HOME** |

All Plumes/Study Areas and Locations Selected: Sum Only

TCE Sum for All Plumes/Study Areas and Locations

TCE Mass Removal vs Time for All Selected Locations
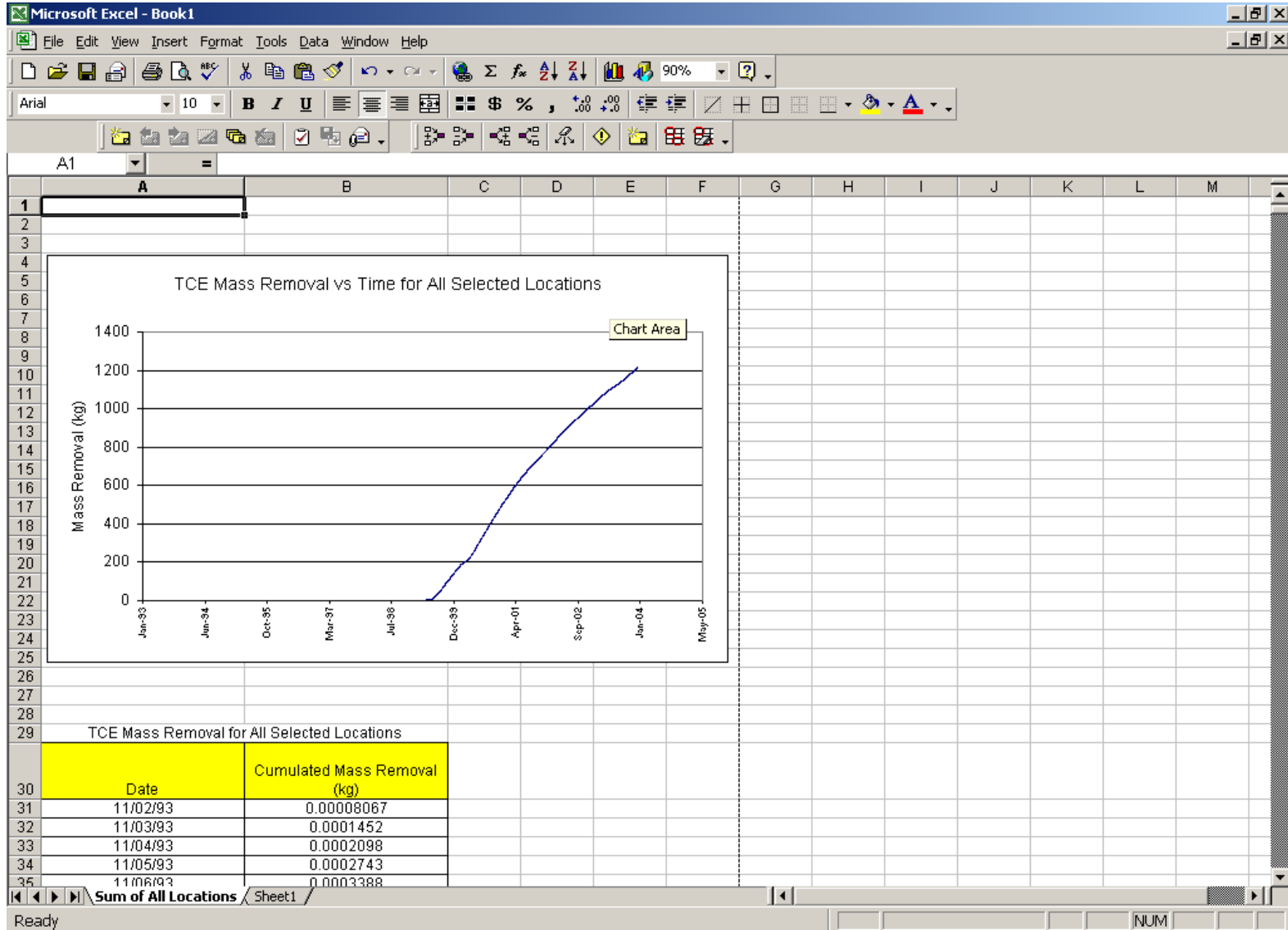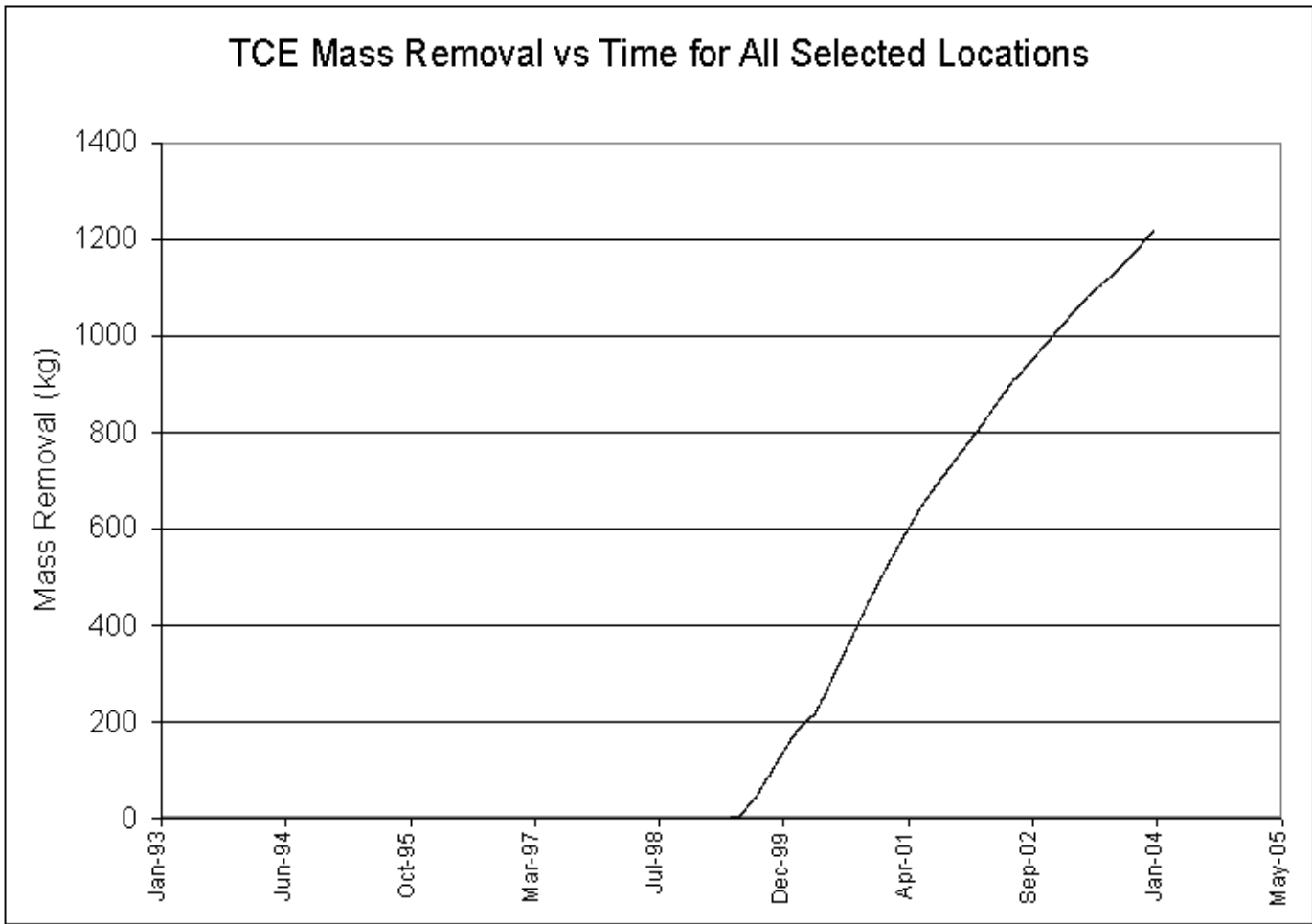
HOME_db query 01/30/2004; Sum of All Locations Chart 1
Printed: 1/30/2004

MMR History of Operations and Modeling Evaluations (HOME) Database

Choose one or more Plumes or Study Areas

Double click on the name to tag / untag plume or use the spacebar to toggle

```
    CS-23
 √  CS-4 (Original)
    CS-4 (Revised)
    FS1 post-Oct 15 03
    FS1 pre-Oct 14 03
 √  FS-12
    FS-28
    FS-29
    LF-1
    SD-5 North
    SD-5 South Hillside
    SD-5 South Wheeler
    TCE
```

| Select All Study Areas and Plumes |

| Unselect All Study Areas and Plumes |

2 Plumes are selected

Choose a Data Category

Remediation System Lifetime Projection ▼

```
Operational History
Mass Removal
Remediation System Lifetime Projection
Model Files
Volumetrics
Hydraulic Data
Physical Data
HOME Database Maintenance
```

○ Simulated Maximum Concentration

○ Plume Volume over time exceeding MCLs Report

○ Predicted Cleanup Time Report

○

| **Next** | | **Exit HOME** |

Concentration vs Time Chart/Report options

Charting options for concentration measurements

Double click on the name to tag / untag location or use the spacebar to toggle

	02EW0009	CS4
	02EW0010	CS4
√	02EW0011	CS4
	02EW0012	CS4
	02EW0013	CS4
	02PLT01001	CS4
√	**90EW0006**	**FS12**
	90EW0007	FS12
	90EW0008	FS12
	90EW0009	FS12
	90EW0010	FS12
	90EW0011	FS12
	90EW0012	FS12

[Select All Locations]

[Unselect All Locations]

2 Locations are selected

Analytes

EDB ▼

EDB
BZ
PCE
BZME
TCE

Treatment of Non-Detects

◉ Use Zero as the value   ○ Use MDL / 2 as the value

Chemistry Results Data Source

○ Direct from Data Warehouse   ◉ From saved Data Warehouse Query

☑ Add footnotes

[Make a EDB Concentration vs Time Chart/Report for the Locations]   [Close]
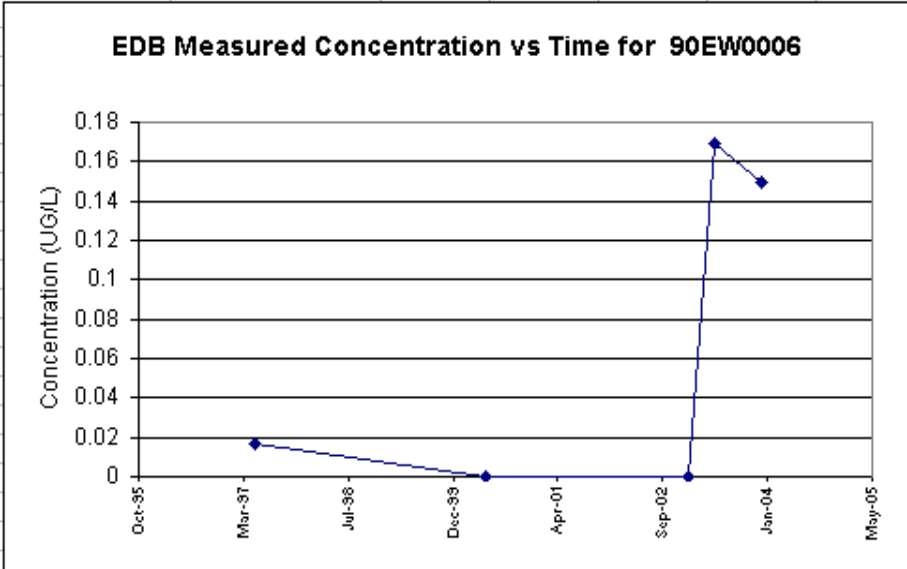
File Edit View Insert Format Tools Data Window Help

Arial   10

A1   =

EDB Measured Concentration vs Time for 90EW0006

Date	EDB Concentration (UG/L)
05/06/97	0.017
05/10/00	0
12/31/02	0
05/07/03	0.169
12/18/03	0.15

90EW0006 / 02EW0011 / Sheet1

Ready

NUM

EDB Measured Concentration vs Time for 90EW0006
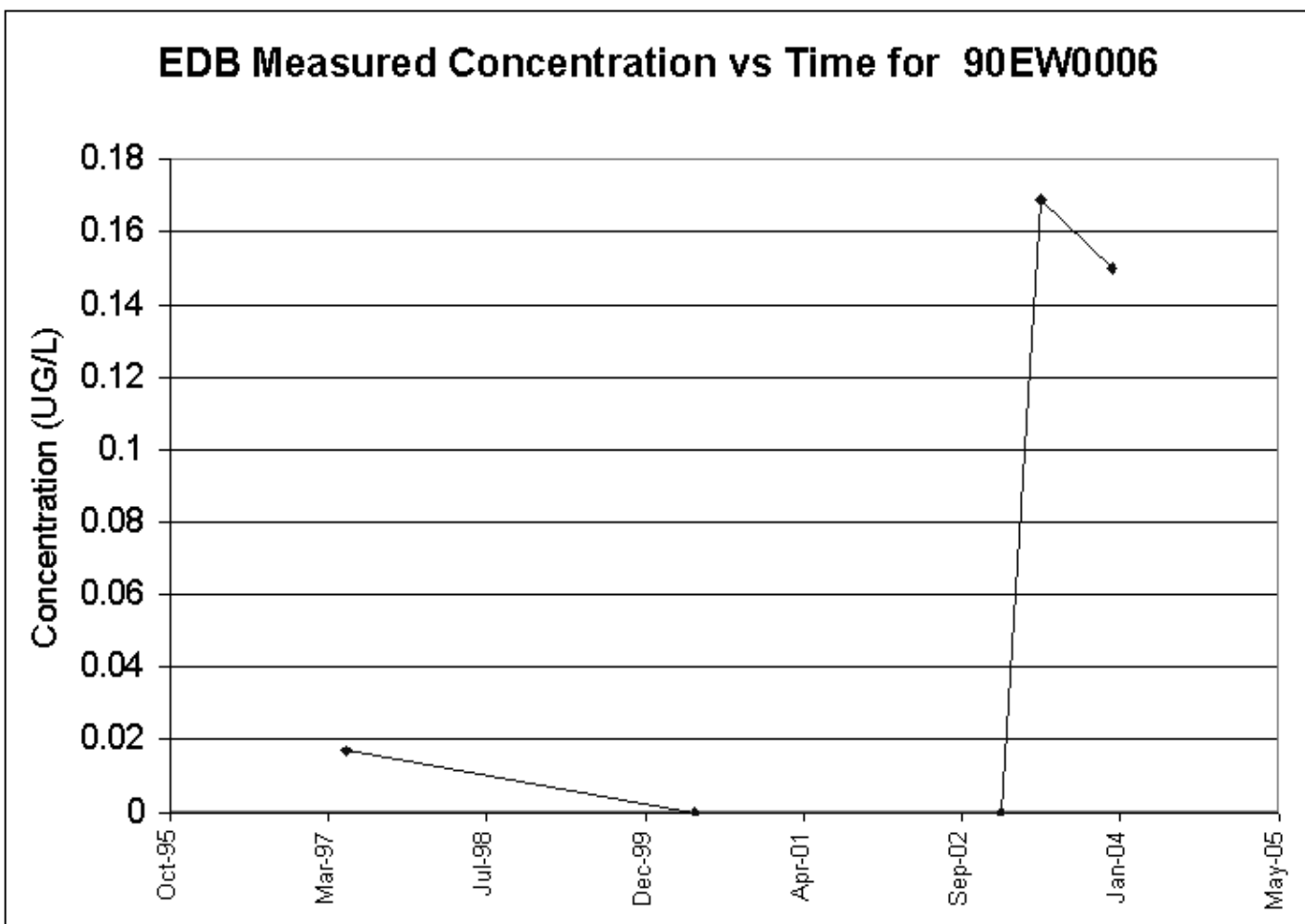
HOME_db query 01/30/2004; 90EW0006 Chart 1
Printed: 1/30/2004

MMR History of Operations and Modeling Evaluations (HOME) Database

Choose one or more Plumes or Study Areas

Double click on the name to tag / untag plume or use the spacebar to toggle

```
Ashumet
Ashumet Pond
Ashumet Valley
Coonamessett
CS-10 In Plume
CS-10 Sandwich Road
CS-19
CS-20
CS-21
CS-23
CS-4 (Original)
CS-4 (Revised)
FS1 post-Oct 15 03
```

| Select All Study Areas and Plumes |
| Unselect All Study Areas and Plumes |

0 Plumes are selected

Choose a Data Category

Model Files ▾

Task to perform

- ● Review/Retrieve Plume Shell Files
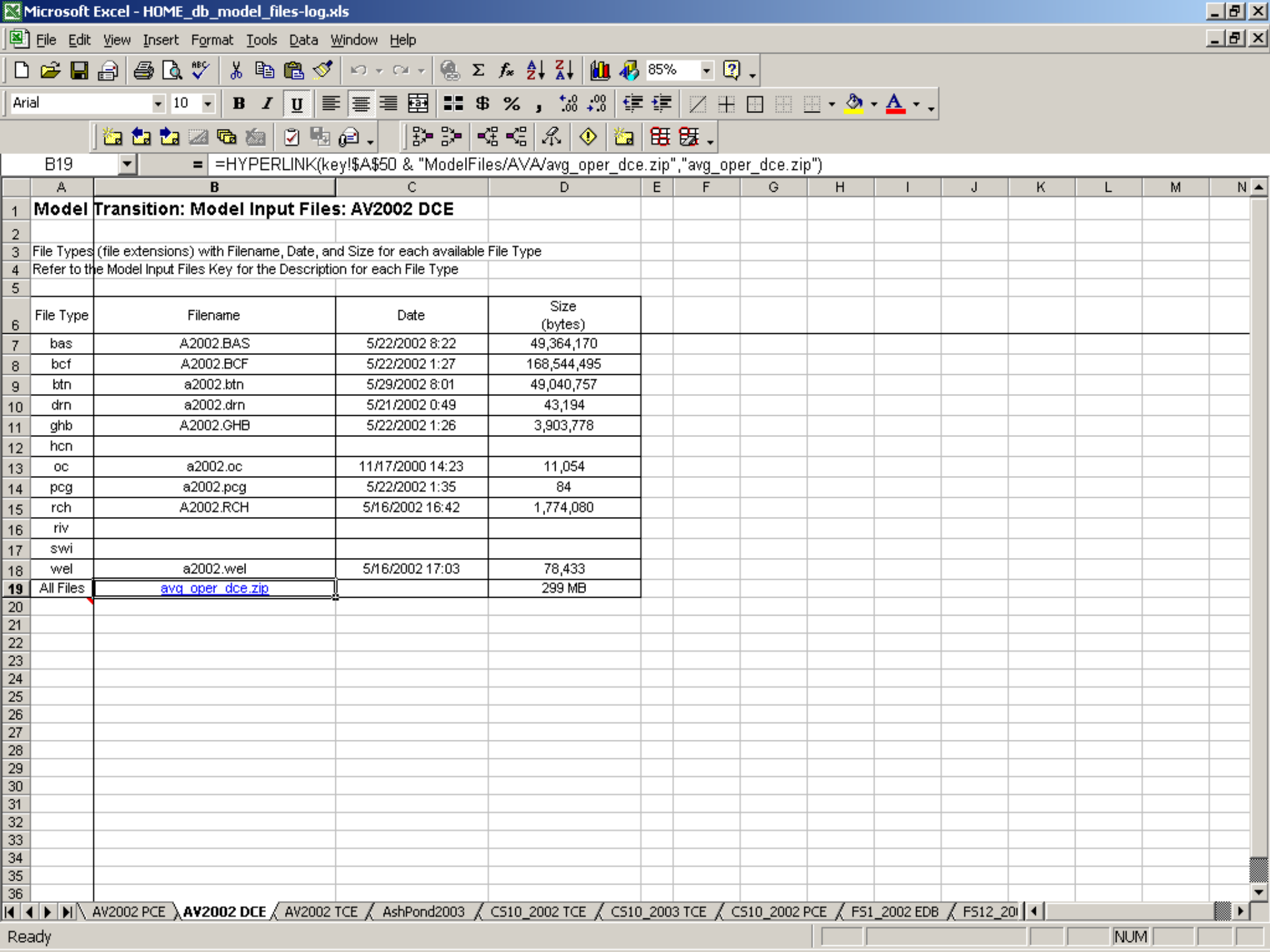- ○ Review/Retrieve Model Input Files
- ○
- ○
- ○
- ○
- ○

| **Process Task** | **Exit HOME** |

A45 =

	Plume	Contaminant	Source (Hidden)	Plume Shell Version	Data (*.dat) [1] Filename	Date	Grid (*.3dg) [1] Filename	Date	Online zip files
10		TCE	z	1998 rotated [2]	ashumet_tce_rotated_1998_plume.dat	12/03/1998	ashumet_tce_rotated_1998_0-rotation.3dg	2/14/2002 [2]	
11		TCE	z	1998 unrotated	ashumet_tce_1998_plume.dat	4/19/2001	ashumet_tce_1998.3dg	2/13/2002	
12		TCE	x&y:	2001 unrotated	TCE_total.dat	3/10/2002	TCE.3dg	3/11/2002	
13	Ashumet Pond	NH4	y: Jin	1999	NH4_total.dat	5/06/2003	NH4.3dg	4/07/2003	
14		NH4	y: Jin	2001	NH4_total.dat	5/06/2003	NH4.3dg	4/28/2003	
15		NO3	y: Jin	1999	NO3_total.dat	5/06/2003	NO3.3dg	3/28/2003	
16		NO3	y: Jin	2001	NO3_total.dat	5/06/2003	NO3.3dg	4/28/2003	
17		TP	y: Jin	1999	TP_total.dat	5/06/2003	TP.3dg	3/13/2003	
18		TP	y: Jin	2001	TP_total.dat	5/06/2003	TP.3dg	5/06/2003	
19	FS-1	EDB	z	2000 unrotated	fs1_edb_2000_plume.dat	3/12/2001	fs1_edb_2000.3dg	10/01/2001	
20	FS-12	Benzene	z	Design unrotated, no Snake Pond	fs12_benzene_design_plume.dat	7/18/2000	fs12_benzene_design.3dg	7/14/2000	FS-12_Design_Benzene-noSnakePo
21		Benzene	z	2000 unrotated, no Snake Pond	fs12_benzene_2000_plume.dat	7/18/2000	fs12_benzene_2000.3dg	8/06/2000	FS-12_2000_Benzene-noSnakePon
22		Benzene	x: "F	2001 unrotated	FS12_total_scaled_masked.dat	8/07/2001	FS12_benzene.3dg	8/07/2001	FS-12_2001_Benzene.zip (1.1
23		Benzene	w	2002 unrotated	fs12_benz_2002_sum_scaled_masked.dat	4/24/2003	fs12_benz_2002.3dg	4/24/2003	FS-12_2002_Benzene.zip (7
24		EDB	z	Design unrotated, no Snake Pond	fs12_edb_design_plume.dat	7/11/2000	fs12_edb_design.3dg	7/11/2000	FS-12_Design_EDB-noSnakePon
25		EDB	z	2000 unrotated, Snake Pond Plumelet	fs12_edb_snake_2000_plume.dat	8/08/2000	fs12_edb_snake_2000.3dg	8/07/2000	FS-12_2000_EDB-withSnakePon
26		EDB	z	2000 unrotated, with Snake Pond Plumelet	fs12_edb_2000_masked.dat	3/13/2000	fs12_edb_2000.3dg	3/13/2000	FS-12_2000_EDB-higher.zip (
27		EDB	x: "F	2001 unrotated	EDB_total_combined.dat	8/17/2001	EDB.3dg	8/17/2001	FS-12_2001_EDB.zip (1.2M
28		EDB	z	2001 unrotated, with Snake Pond	fs12_edb_2001_plume.dat	8/17/2001	fs12_edb_2001.3dg	10/01/2001	FS-12_2001_EDB-withSnakePon
29		EDB	w	2002 unrotated, with Snake Pond	fs12_edb_2002_new_sum_scaled_masked.dat	5/01/2003	fs12_edb_2002_new.3dg	5/01/2003	FS-12_edb_2002_new.zip (1.2
30		EDB	y: fro	2003 unrotated, with Snake Pond	Run14scaled.gms.dat	5/28/2003	LatestEDB.3dg	5/28/2003	FS-12_2003_LatestEDB.zip (2
31		Toluene	x: "F	2001 unrotated	toluene_scaled_for_mod_masked.dat	4/17/2001	toluene.3dg	4/17/2001	FS-12_2001_Toluene.zip (4
32	FS-28	EDB	z	1998 rotated	fs28_edb_1998_plume.dat	2/14/2002	fs28_edb_1998.3dg	10/01/2001	
33		EDB	z	2002 unrotated	fs28_edb_2002_plume.dat	1/16/2002	fs28_edb_2002.3dg	1/22/2002	
34		EDB	z	2002 unrotated ("north" ?)	fs28_edb_n_2002_plume.dat	5/08/2002	fs28_edb_n_2002.3dg	5/08/2002	
35		EDB	z	2002 unrotated, new north ("newnorth2")	fs28_edb_newnorth2_2002_sum_trim.dat	7/17/2002	fs28_edb_newnorth2_2002.3dg	7/17/2002	
36	LF-1	CCl4	z	1999 rotated [2], below MCL	lf1_CCl4_1999_plume.dat	2/13/2002	lf1_ccl4_1999_0-rotation.3dg	2/13/2002 [2]	
37		CCl4	z	1999 rotated [2], masked to 5 µg/L	lf1_ccl4_1999_masked.dat	4/23/2002	lf1_ccl4_1999_0-rotation.3dg	2/13/2002 [2]	
38		CCl4	z	2001 unrotated	lf1_ccl4_2001_plume.dat	3/05/2001	lf1_ccl4_2001.3dg	10/01/2001	
39		CCl4	z	2001 unrotated, separate pods ("n": 'new' ? 'north' ?)	lf1_ccl4_n_2001_plume.dat	5/16/2002	lf1_ccl4_n_2001.3dg	5/16/2002	
40		CCl4	z	2002, unrotated, 5 µg/L (MCL), 2 pods	lf1_ccl4_2002_sum_scaled_masked.dat	8/16/2002	lf1_ccl4_2002.3dg	8/16/2002	
41		DCE	z	2001 unrotated	lf1_dce_2001_plume.dat	11/26/2001	lf1_dce_2001.3dg	11/26/2001	
42		PCE	z	1999 rotated [2], below MCL	lf1_pce_1999_plume.dat	2/13/2002	lf1_pce_1999_0-rotation.3dg	2/13/2002 [2]	
43		PCE	z	1999 rotated [2], masked to 5 µg/L	lf1_pce_1999_masked.dat	4/23/2002	lf1_pce_1999_0-rotation.3dg	2/13/2002 [2]	
		PCE	z	2001 unrotated, north lobe	lf1_pce_2001_north_plume.dat	11/29/2001	lf1_pce_2001.3dg	11/29/2001	

plume-shell-log

Ready

File Edit View Insert Format Tools Data Window Help

Arial   10   **B** *I* U

B19   =   =HYPERLINK(key!A50 & "ModelFiles/AVA/avg_oper_dce.zip","avg_oper_dce.zip")

Model Transition: Model Input Files: AV2002 DCE

File Types (file extensions) with Filename, Date, and Size for each available File Type
Refer to the Model Input Files Key for the Description for each File Type

File Type	Filename	Date	Size (bytes)
bas	A2002.BAS	5/22/2002 8:22	49,364,170
bcf	A2002.BCF	5/22/2002 1:27	168,544,495
btn	a2002.btn	5/29/2002 8:01	49,040,757
drn	a2002.drn	5/21/2002 0:49	43,194
ghb	A2002.GHB	5/22/2002 1:26	3,903,778
hcn			
oc	a2002.oc	11/17/2000 14:23	11,054
pcg	a2002.pcg	5/22/2002 1:35	84
rch	A2002.RCH	5/16/2002 16:42	1,774,080
riv			
swi			
wel	a2002.wel	5/16/2002 17:03	78,433
All Files	avg_oper_dce.zip		299 MB

AV2002 PCE \ **AV2002 DCE** / AV2002 TCE / AshPond2003 / CS10_2002 TCE / CS10_2003 TCE / CS10_2002 PCE / FS1_2002 EDB / FS12_20

Ready   NUM

MMR History of Operations and Modeling Evaluations (HOME) Database

Choose one or more Plumes or Study Areas

Double click on the name to tag / untag plume or use the spacebar to toggle

```
Ashumet
Ashumet Pond
Ashumet Valley
Coonamessett
CS-10 In Plume
CS-10 Sandwich Road
CS-19
CS-20
CS-21
CS-23
CS-4 (Original)
CS-4 (Revised)
FS1 post-Oct 15 03
```

| Select All Study Areas and Plumes |

| Unselect All Study Areas and Plumes |

0 Plumes are selected

Choose a Data Category

Volumetrics ▼

Task to perform

○ Plume Volume vs Time Chart/Report

○ Volume of contaminated Groundwater Removal Report

○

○

○

○

○

| Choose one or more plumes for the task | | **Exit HOME** |

MMR History of Operations and Modeling Evaluations (HOME) Database

Choose one or more Plumes or Study Areas

Double click on the name to tag / untag plume or use the spacebar to toggle

```
Ashumet
Ashumet Pond
Ashumet Valley
Coonamessett
CS-10 In Plume
CS-10 Sandwich Road
CS-19
CS-20
CS-21
CS-23
CS-4 (Original)
CS-4 (Revised)
FS1 post-Oct 15 03
```

Select All Study Areas and Plumes

Unselect All Study Areas and Plumes

0 Plumes are selected

Choose a Data Category

Hydraulic Data ▼

Task to perform

- ○ System Startup/Shutdown Report
- ○ Aquifer test data Report
- ○ Groundwater Calibration Data Chart/Report
- ○
- ○
- ○
- ○

Choose one or more plumes for the task

Exit HOME

MMR History of Operations and Modeling Evaluations (HOME) Database

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```
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CS-4 (Revised)
FS1 post-Oct 15 03
```

| Select All Study Areas and Plumes |
| Unselect All Study Areas and Plumes |

0 Plumes are selected

Choose a Data Category

Physical Data ▼

Task to perform

- ○ Hydraulic Conductivity Report
- ○ Storage Terms Report
- ○ Porosity Report
- ○ Stratigraphic Units Report
- ○ Bedrock Data Report
- ○ Water Table Data Report
- ○

| Choose one or more plumes for the task | Exit HOME |

MMR History of Operations and Modeling Evaluations (HOME) Database

Choose one or more Plumes or Study Areas

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```
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CS-23
CS-4 (Original)
CS-4 (Revised)
FS1 post-Oct 15 03
```

| Select All Study Areas and Plumes |

| Unselect All Study Areas and Plumes |

0 Plumes are selected

Choose a Data Category

HOME Database Maintenance ▼

Task to perform

- ⦿ Replace Saved Flowrate Data from new Spreadsheet
- ○ Replace Saved Chemistry Results from Data Warehouse
- ○ Check FTP site for updates to HOME
- ○
- ○
- ○
- ○

| Choose one or more plumes for the task | **Ex**it HOME |