

# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-070910-EMP

Location Code: E183-CS126  
 Sample Number: PEF0137  
 Sample Name: E183-CS126-DS-PEF0137-REG  
 Sampling Method: DP  
 Sample Type: DS                      Sample Purpose: REG

Task: 118166  
 Collection Date: 07-JUL-10  
 Collection Time: 12:40  
 Start Depth: 0' bgs  
 End Depth: 1'  
 Sample Matrix: SOIL  
 Sample Team: MG

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
ARSENIC	N	A	1	4 oz	CWM	

ERPIMS Values:  
 Sacode:  
 Lot Control#:

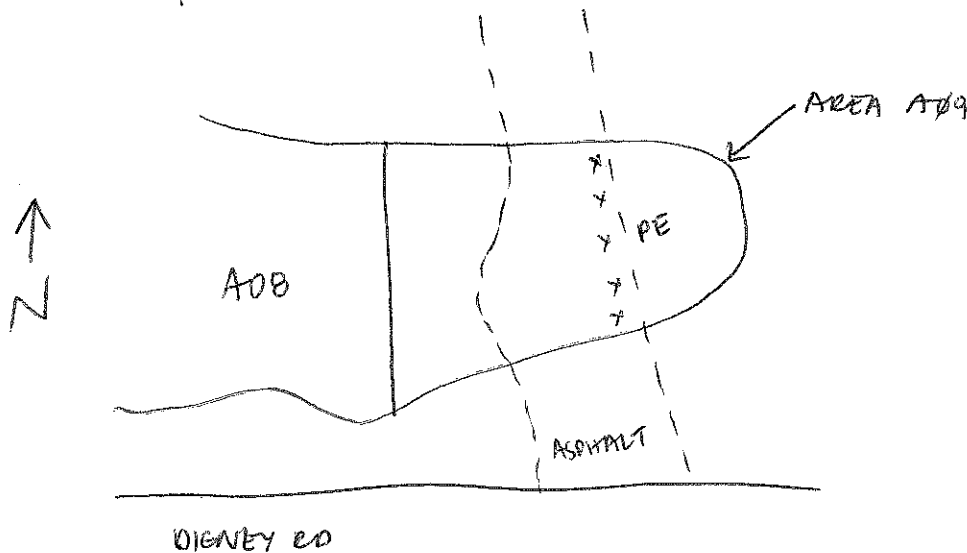
**Comments:**

183-A09-PE (Asphalt)

5 pt. composite

**Sketch Location:**

X=sample location



Logged BY / Date: E. McDonough 7/12/10

Reviewed BY / Date: Dox 7-12-10

# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-070910-EMP

Location Code: E183-CS127  
 Sample Number: PEF0138  
 Sample Name: E183-CS127-DS-PEF0138-REG  
 Sampling Method: DP  
 Sample Type: DS

Task: 118166  
 Collection Date: 07-JUL-10  
 Collection Time: 16:30  
 Start Depth: 0'  
 End Depth: 1' <sup>bg5</sup>  
 Sample Matrix: SOIL  
 Sample Team: MG

Sample Purpose: REG

### Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:  
 Sacode:  
 Lot Control#:

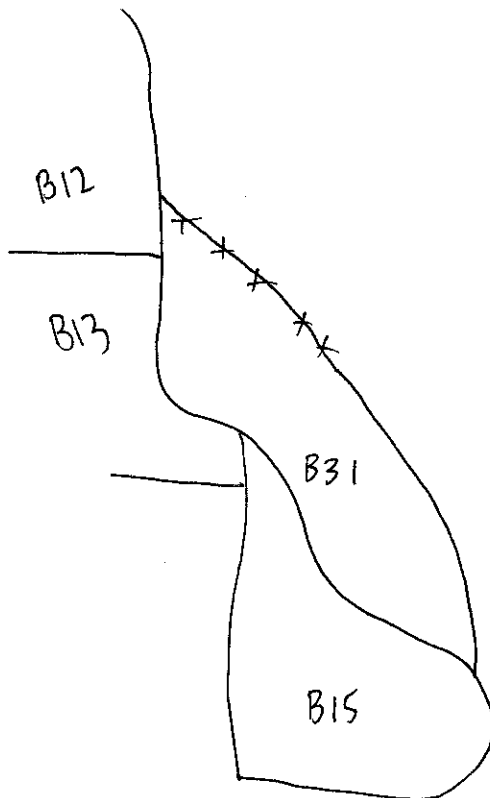
### Comments:

183-B31-PN2

5 pt. composite

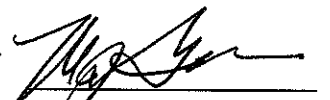
### Sketch Location:

x = sample location



Logged BY / Date: E. McDonough 7/22/10

Reviewed BY / Date:

  
7-22-10

# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-070910-EMP

Location Code: <b>E183-CS128</b>	Task: <b>118166</b>
Sample Number: <b>PEF0139</b>	Collection Date: <b>07-JUL-10</b>
Sample Name: <b>E183-CS128-DS-PEF0139-REG</b>	Collection Time: <b>15:00</b>
Sampling Method: <b>DP</b>	Start Depth: <b>0'</b>
Sample Type: <b>DS</b>	End Depth: <b>1' bgs</b>
Sample Purpose: <b>REG</b>	Sample Matrix: <b>SOIL</b>
	Sample Team: <b>MG</b>

		Containers				
Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:  
Sacode:  
Lot Control#:

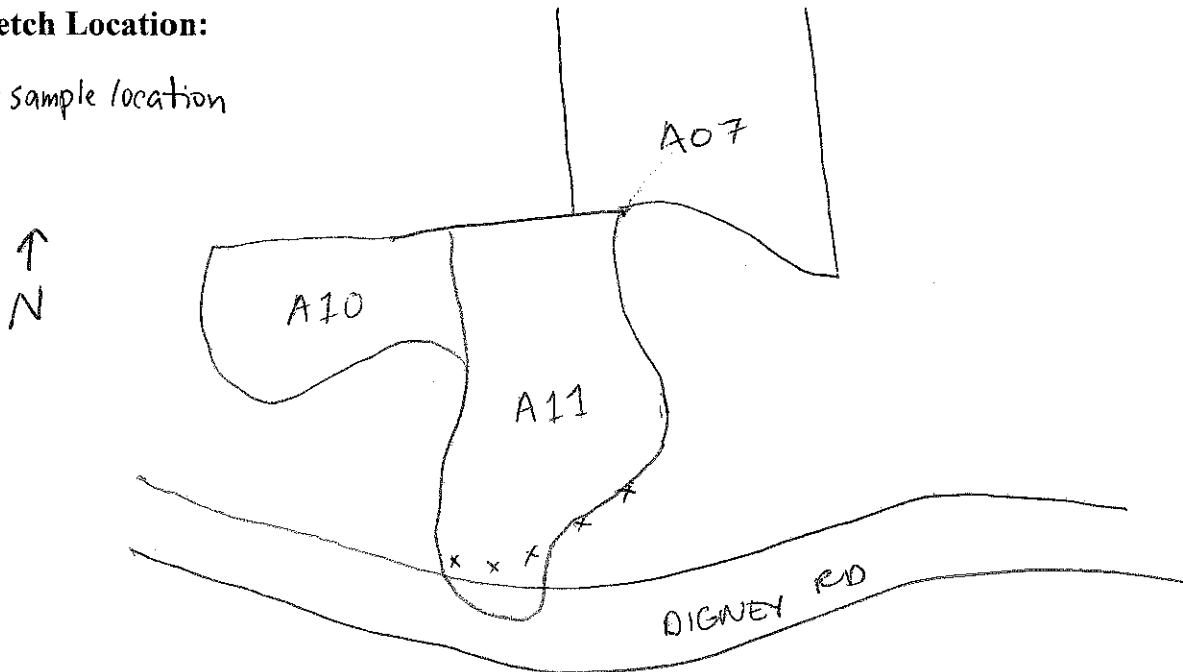
**Comments:**

183-A11-PS2

5 pt. composite

**Sketch Location:**

X = sample location



Logged BY / Date: E. McDonough / 7/12/10

Reviewed BY / Date: DeK / 7-12-10

# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-070910-EMP

Location Code: **E183-CS128**  
Sample Number: **PEF0140**  
Sample Name: **E183-CS128-DS-PEF0140-FD**  
Sampling Method: **DP**  
Sample Type: **DS**                      Sample Purpose: **FD**

Task: **118166**  
Collection Date: **07-JUL-10**  
Collection Time: **15:00**  
Start Depth: **0'**  
End Depth: **1' bgs**  
Sample Matrix: **SOIL**  
Sample Team: **MG**

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:  
Sacode:  
Lot Control#:

**Comments:**

183-A11-PS2

5 pt. composite

**Sketch Location:**

See primary SCL

Logged BY / Date: E. McDonough 7/12/10

Reviewed BY / Date: 7-12-10 DOKC

# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-070910-EMP

Location Code: E183-CS129  
 Sample Number: PEF0141  
 Sample Name: E183-CS129-DS-PEF0141-REG  
 Sampling Method: DP  
 Sample Type: DS  
 Sample Purpose: REG

Task: 118166  
 Collection Date: 07-JUL-10  
 Collection Time: 16:00  
 Start Depth: 0'  
 End Depth: 1' *bgs*  
 Sample Matrix: SOIL  
 Sample Team: MG

**Containers**

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
ARSENIC	N	A	I	4	oz	CWM

ERPIMS Values:  
 Sacode:  
 Lot Control#:

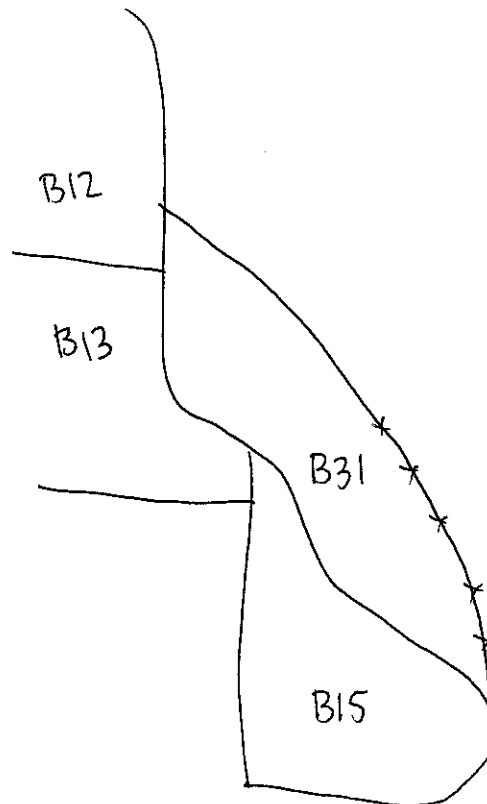
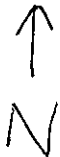
**Comments:**

183-B31-PE2

5 pt. composite

**Sketch Location:**

x = sample location



Logged BY / Date: E. McDonough 7/22/10

Reviewed BY / Date: [Signature] 7/22/10

# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-070910-EMP

Location Code: E183-CS130  
 Sample Number: PEF0142  
 Sample Name: E183-CS130-DS-PEF0142-REG  
 Sampling Method: <sup>sum</sup>DP HA  
 Sample Type: DS                      Sample Purpose: REG

Task: 118166  
 Collection Date: 09-JUL-10  
 Collection Time: 09:40  
 Start Depth: 0'  
 End Depth: 1' bgs  
 Sample Matrix: SOIL  
 Sample Team: MG

		Containers				
Analytical Suite	Flt	Ertn	Qty	Size	Units	Type
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:  
 Sacode:  
 Lot Control#:

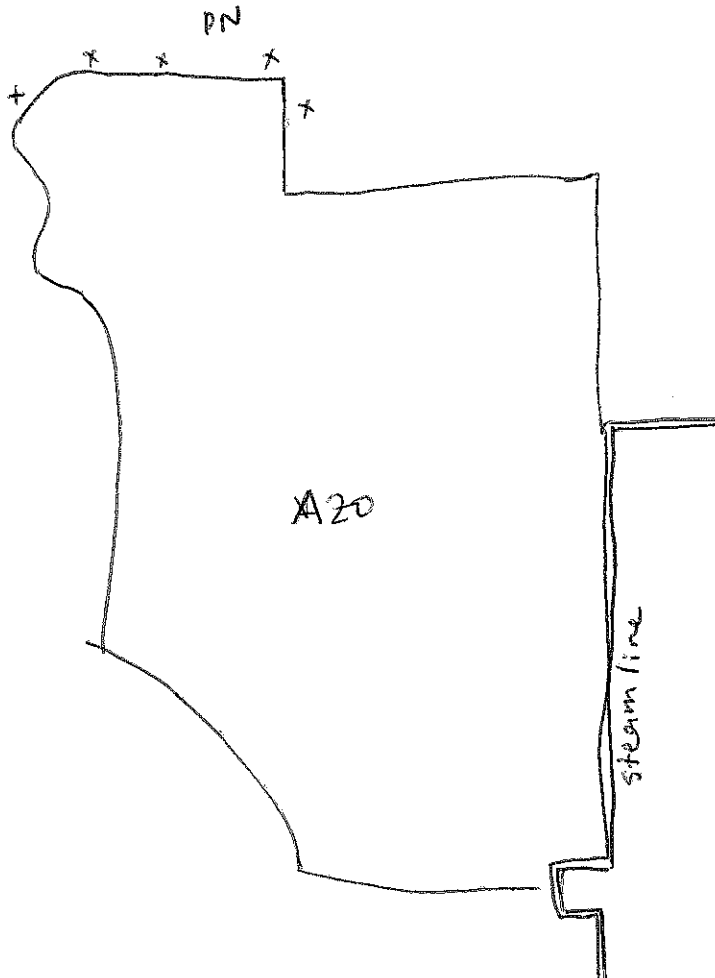
**Comments:**

183-A20-PN01

5 pts.

**Sketch Location:**

X = sample location



Logged BY / Date: E. McDonough 7/12/10

Reviewed BY / Date: DEX 7-12-10

# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-070910-EMP

Location Code: E183-CS131  
 Sample Number: PEF0143  
 Sample Name: E183-CS131-DS-PEF0143-REG  
 Sampling Method: <sup>gsm</sup>DP HA  
 Sample Type: DS                      Sample Purpose: REG

Task: 118166  
 Collection Date: 09-JUL-10  
 Collection Time: 09:44  
 Start Depth: 0' bgs  
 End Depth: 1'  
 Sample Matrix: SOIL  
 Sample Team: MG

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
ARSENIC	N	A	1	4	oz	CWM

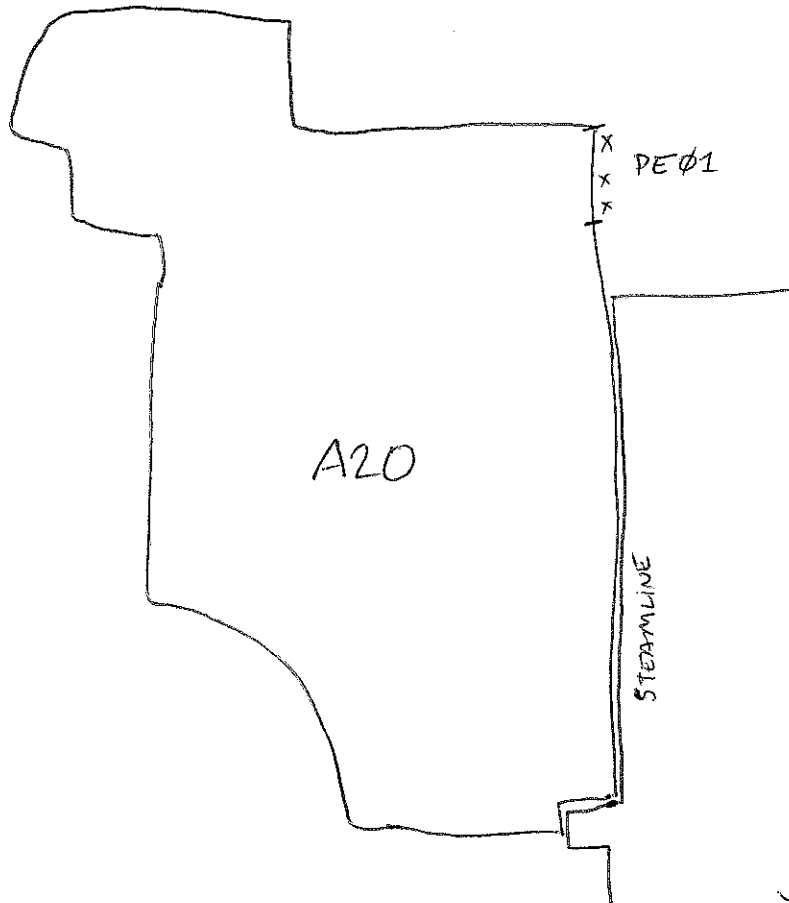
ERPIMS Values:  
 Sacode:  
 Lot Control#:

**Comments:**

183-A20-PE01  
 3 pt. composite

**Sketch Location:**

x=sample location



Logged BY / Date: E. McDonough 7/12/10

Reviewed BY / Date: Dex 7-12-10

# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

REA / COC Number: 183-070910-EMP

Location Code: E183-CS132  
 Sample Number: PEF0144  
 Sample Name: E183-CS132-DS-PEF0144-REG  
 Sampling Method: <sup>AM</sup> DP HA  
 Sample Type: DS                      Sample Purpose: REG

Task: 118166  
 Collection Date: 09-JUL-10  
 Collection Time: 09:32  
 Start Depth: 0' bgs  
 End Depth: 1'  
 Sample Matrix: SOIL  
 Sample Team: MG

**Containers**

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:  
 Sacode:  
 Lot Control#:

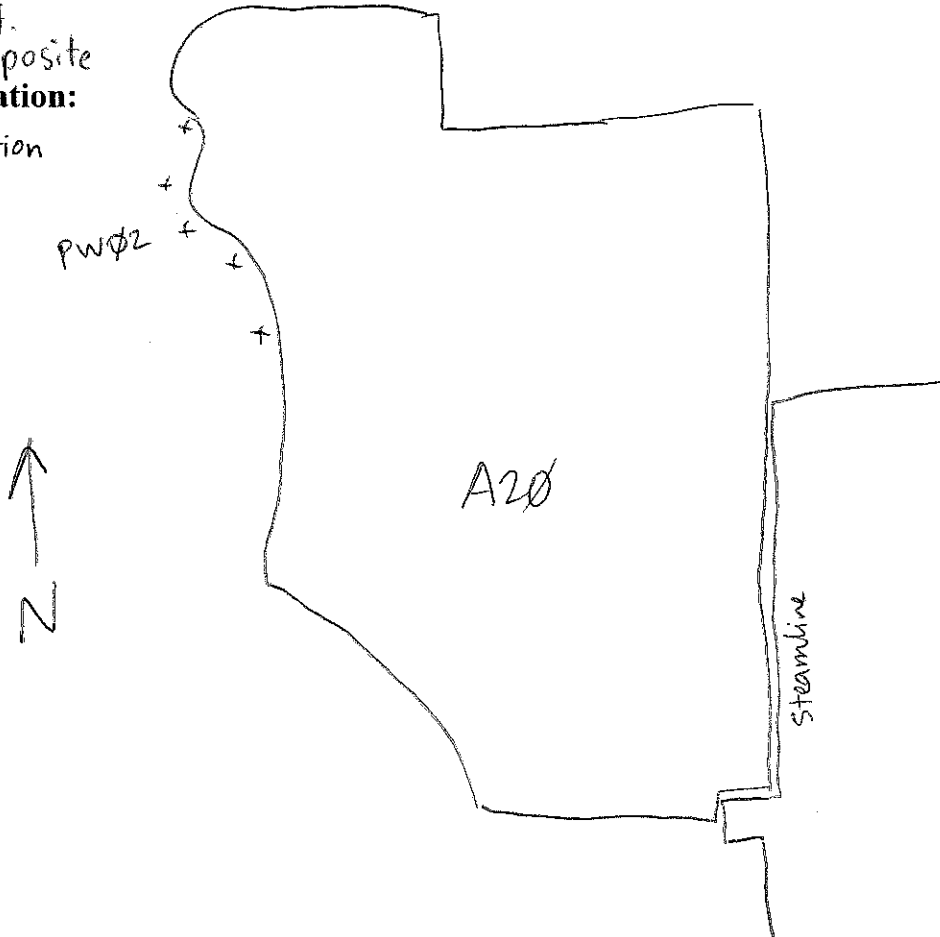
**Comments:**

183-A20-PW02

5 pt.  
composite

**Sketch Location:**

x=sample location



Logged BY / Date: E. McDonough 7/12/10

Reviewed BY / Date: DOIC 7-12-10



# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-070910-EMP

Location Code: E183-CS133  
 Sample Number: PEF0145  
 Sample Name: E183-CS133-DS-PEF0145-REG  
 Sampling Method: <sup>am</sup>DPHA  
 Sample Type: DS                      Sample Purpose: REG

Task: 118166  
 Collection Date: 09-JUL-10  
 Collection Time: 09:27  
 Start Depth: 0' bgs  
 End Depth: 1'  
 Sample Matrix: SOIL  
 Sample Team: MG

		Containers					
Analytical Suite	Flt	Frtn	Qty	Size	Units	Type	
ARSENIC	N	A	1	4	oz	CWM	

ERPIMS Values:  
 Sacode:  
 Lot Control#:

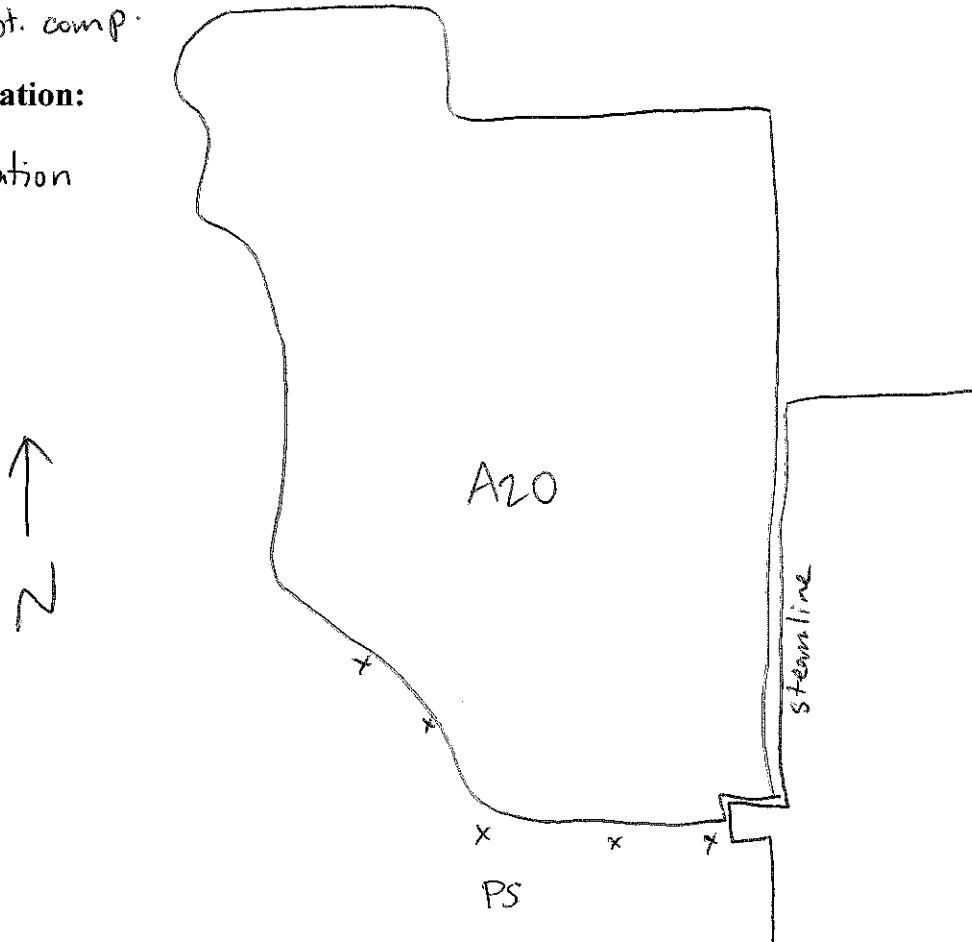
**Comments:**

183-A20-PS

5 pt. comp.

**Sketch Location:**

x=sample location



Logged BY / Date: E. McDonough 7/12/10

Reviewed BY / Date: O. O'K 7-12-10

# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-070910-EMP

Location Code: E183-CS134  
 Sample Number: PEF0146  
 Sample Name: E183-CS134-DS-PEF0146-REG  
 Sampling Method: <sup>GM</sup> DP HA  
 Sample Type: DS                      Sample Purpose: REG

Task: 118166  
 Collection Date: 09-JUL-10  
 Collection Time: 09:20  
 Start Depth: 0' bgs  
 End Depth: 1'  
 Sample Matrix: SOIL  
 Sample Team: MG

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
ARSENIC	N	A	1	4	oz	CWM

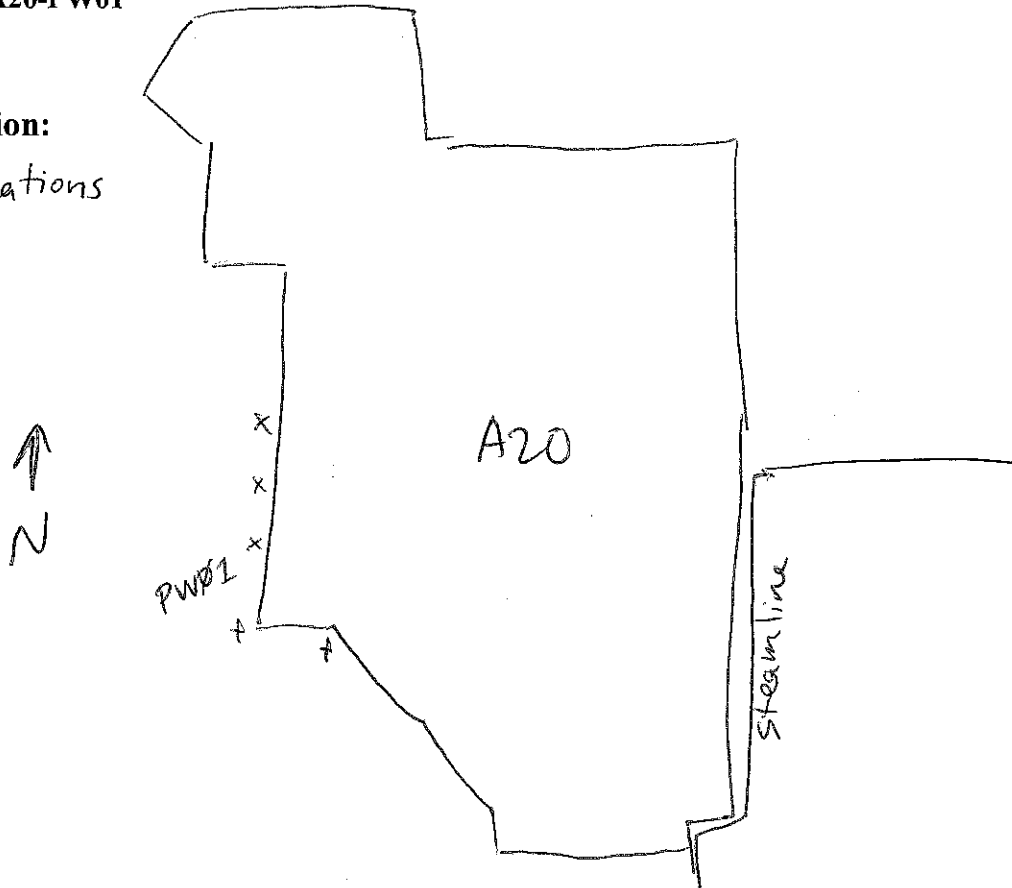
ERPIMS Values:  
 Sacode:  
 Lot Control#:

**Comments:**

183-A20-PW01

**Sketch Location:**

x=sample locations



Logged BY / Date: E. McDonough 7/12/10

Reviewed BY / Date: DEX 7-12-10



# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-070910-EMP

Location Code: E183-CS135

Task: 118166

Sample Number: PEF0147

Collection Date: 09-JUL-10

Sample Name: E183-CS135-DS-PEF0147-REG

Collection Time: 09:52

Sampling Method: <sup>CWM</sup> DP HA

Start Depth: 0' bgs

Sample Type: DS

Sample Purpose: REG

End Depth: 1'

Sample Matrix: SOIL

Sample Team: MG

### Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:

Sacode:

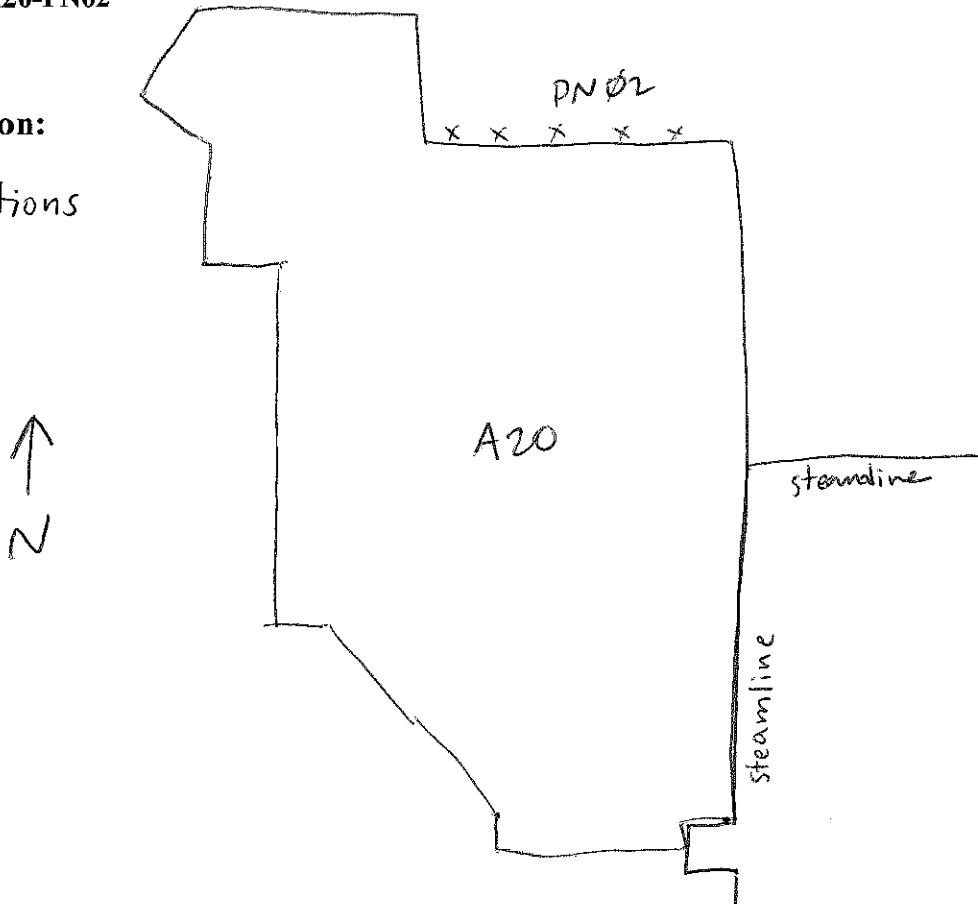
Lot Control#:

### Comments:

183-A20-PN02

### Sketch Location:

x=sample locations



Logged BY / Date: E. McDonough 7/12/10

Reviewed BY / Date: DOKC 7-12-10



# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-070910-EMP

Location Code: E183-CS136  
 Sample Number: PEF0148  
 Sample Name: E183-CS136-DS-PEF0148-REG  
 Sampling Method: <sup>am</sup> DP HA  
 Sample Type: DS                      Sample Purpose: REG

Task: 118166  
 Collection Date: 09-JUL-10  
 Collection Time: 09:56  
 Start Depth: 0' bgs  
 End Depth: 1'  
 Sample Matrix: SOIL  
 Sample Team: MG

### Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:  
 Sacode:  
 Lot Control#:

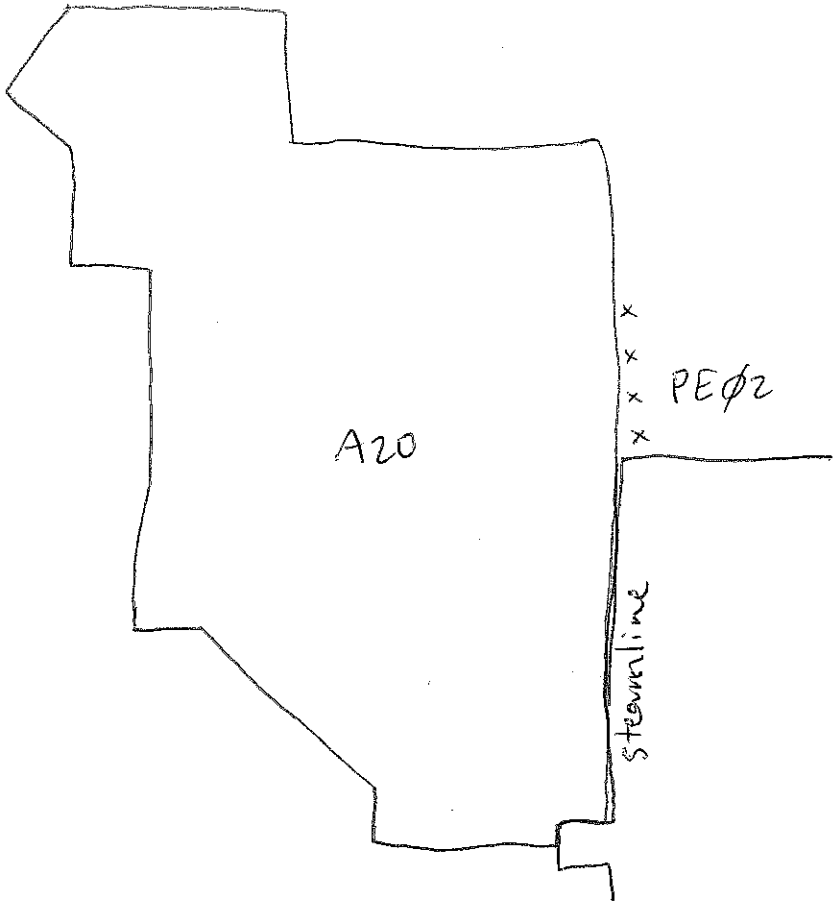
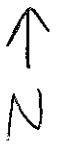
### Comments:

183-A20-PE02

4 pt. composite

### Sketch Location:

X = sample location



Logged BY / Date: E. McDonough 7/12/10

Reviewed BY / Date: Dex 7-12-10

# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-CS137  
 Sample Number: PEF0149  
 Sample Name: E183-CS137-DS-PEF0149-REG  
 Sampling Method: HA  
 Sample Type: DS  
 Sample Purpose: REG

Task: 118166  
 Collection Date: 14-JUL-10  
 Collection Time: 13:00  
 Start Depth: 1  
 End Depth: 2  
 Sample Matrix: SOIL  
 Sample Team: MG/JG

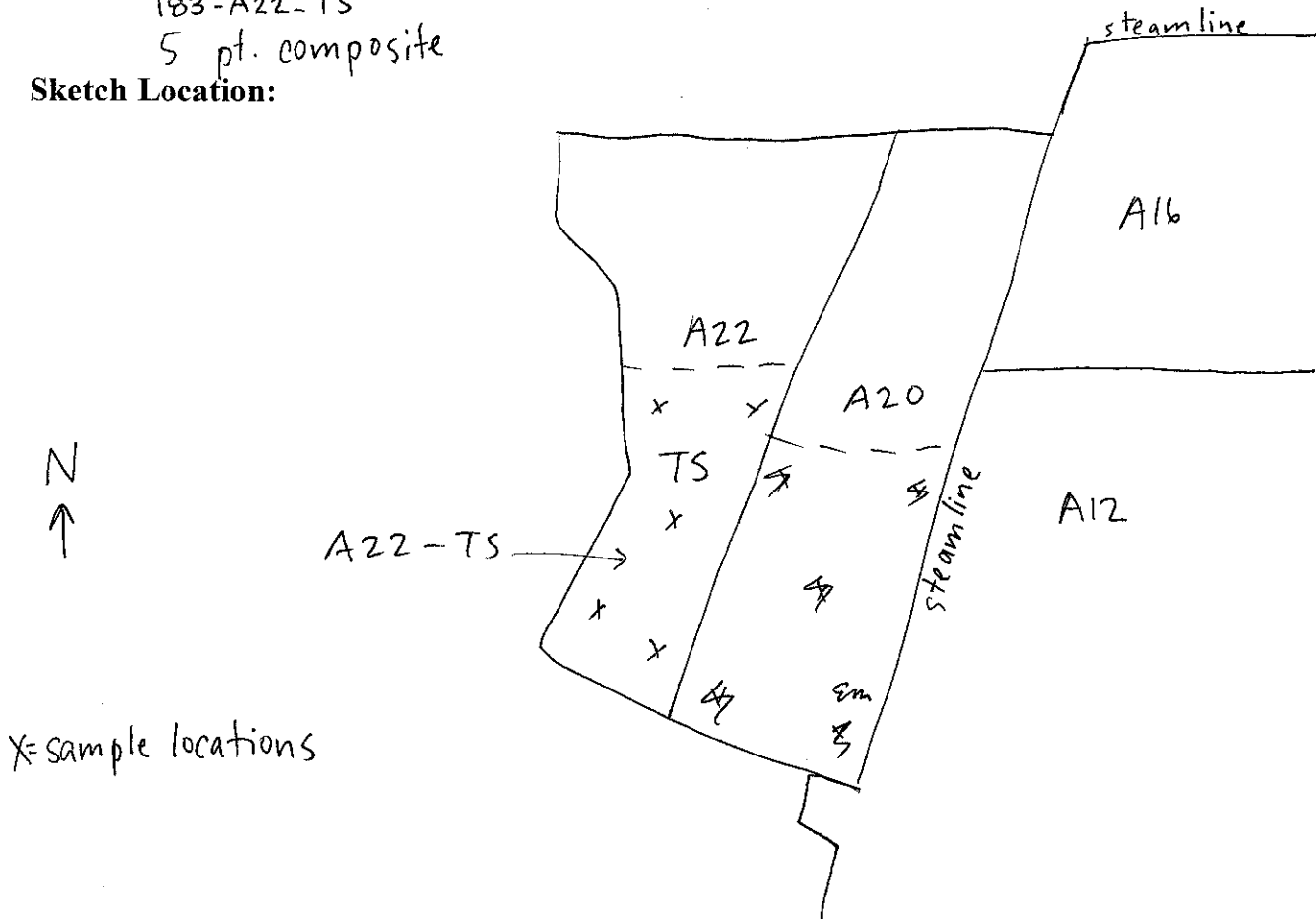
Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:  
 Sacode:  
 Lot Control#:

**Comments:**

~~183-A20-TS~~ <sup>Sm</sup>  
 183-A22-TS  
 5 pt. composite

**Sketch Location:**



x = sample locations

Logged BY / Date: E. McDonough 7/20/10

Reviewed BY / Date: Erin Jansen 8/3/10

# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-CS137  
 Sample Number: PEF0150  
 Sample Name: E183-CS137-DS-PEF0150-FD  
 Sampling Method: HA  
 Sample Type: DS  
 Sample Purpose: FD

Task: 118166  
 Collection Date: 14-JUL-10  
 Collection Time: 13:00  
 Start Depth: 1  
 End Depth: 2  
 Sample Matrix: SOIL <sup>EM</sup>  
 Sample Team: ~~DA~~ / ~~V~~ B<sup>EM</sup> MG/JG

**Containers**

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
ARSENIC	N	A	1	4	oz	CWM

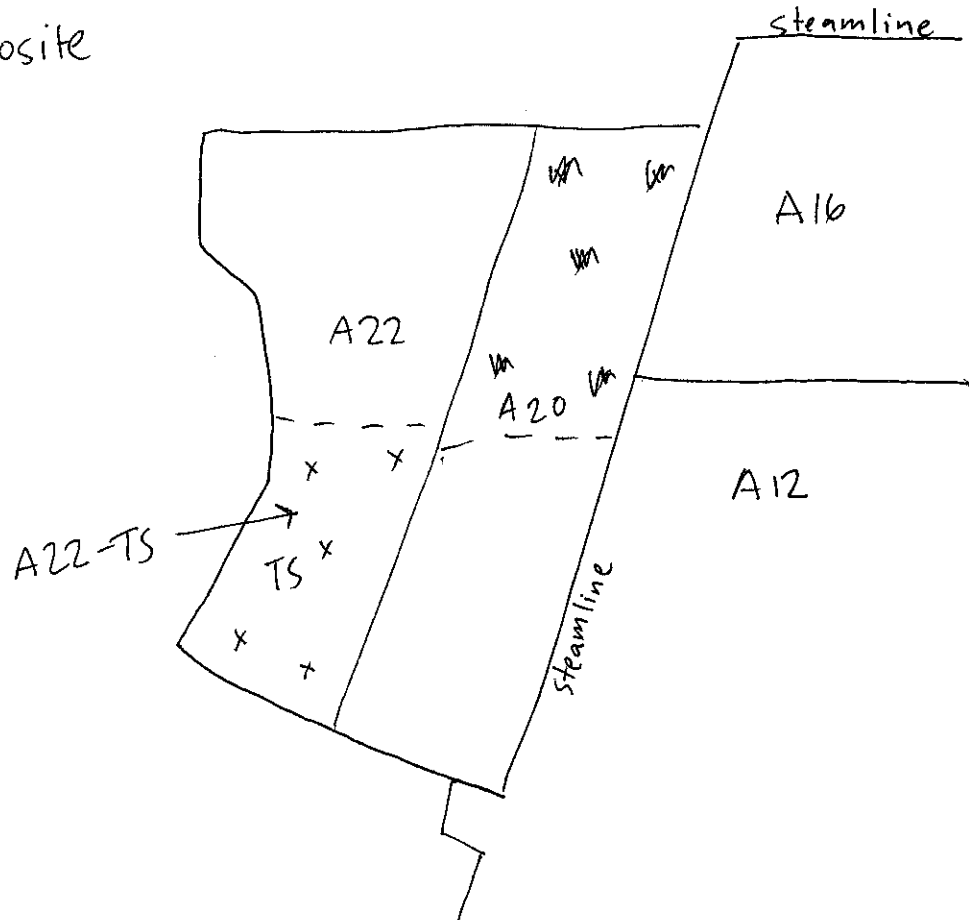
ERPIMS Values:  
 Sacode:  
 Lot Control#:

**Comments:**

~~183-A20-TN~~ <sup>EM</sup>  
 183-A22-TS  
 5 pt. composite

**Sketch Location:**

X = sample locations



Logged BY / Date: E. McDonough 7/20/10

Reviewed BY / Date: Emj Dameron 8/31/10

# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: **E183-CS139**  
 Sample Number: **PEF0152**  
 Sample Name: **E183-CS139-DS-PEF0152-REG**  
 Sampling Method: **HA**  
 Sample Type: **DS**                      Sample Purpose: **REG**

Task: **118166**  
 Collection Date: **14-JUL-10**  
 Collection Time: **13:30**  
 Start Depth: **1**  
 End Depth: **2**  
 Sample Matrix: **SOIL**  
 Sample Team: **VB / OA**

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
ARSENIC	N	A	1	4	oz	CWM

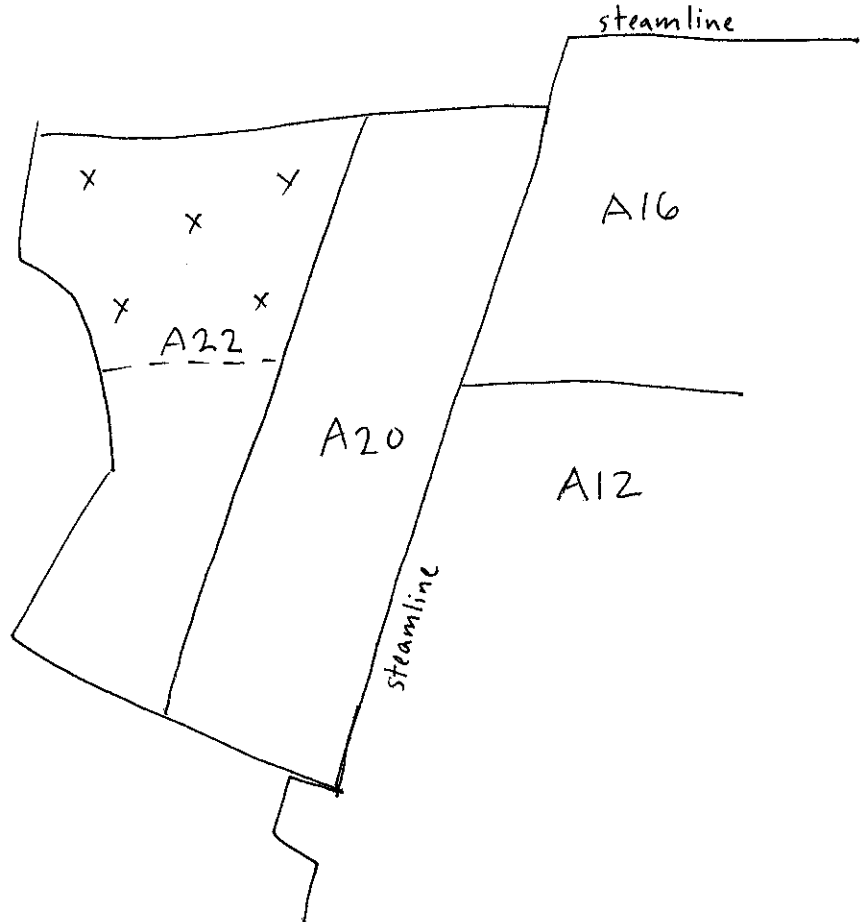
ERPIMS Values:  
 Sacode:  
 Lot Control#:

**Comments:**

183-A22-TN  
 5 pt. composite

**Sketch Location:**

x = sample locations



Logged BY / Date: E. McDonough 7/20/10

Reviewed BY / Date: Emily Jamison 8/3/10

# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-CS140  
 Sample Number: PEF0153  
 Sample Name: E183-CS140-DS-PEF0153-REG  
 Sampling Method: HA  
 Sample Type: DS  
 Sample Purpose: REG

Task: 118166  
 Collection Date: 14-JUL-10  
 Collection Time: 11:15  
 Start Depth: 1  
 End Depth: 2  
 Sample Matrix: SOIL  
 Sample Team: OA/VB

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
ARSENIC	N	A	1	4	oz	CWM

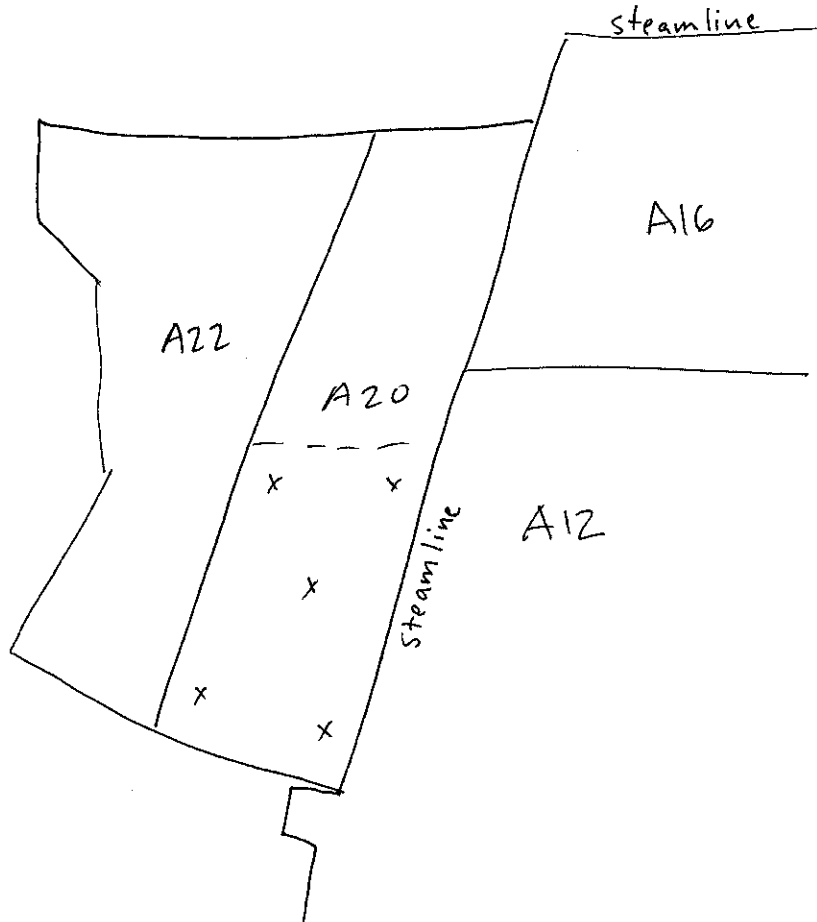
ERPIMS Values:  
 Sacode:  
 Lot Control#:

**Comments:**

*Em*  
 183-A20-PS ~~TS~~ TS  
 5 pt. composite

**Sketch Location:**

x = sample locations



Logged BY / Date: e. McDonough 7/20/10

Reviewed BY / Date: Tim Dameron 8/3/10





# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-CS140  
 Sample Number: PEF0153-MS  
 Sample Name: E183-CS140-DS-PEF0153-MS-MS  
 Sampling Method: HA  
 Sample Type: DS

Task: 118166  
 Collection Date: 14-JUL-10  
 Collection Time: 11:15  
 Start Depth: 1  
 End Depth: 2  
 Sample Matrix: SOIL  
 Sample Team: OA/vB

Sample Purpose: MS

### Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:  
 Sacode:  
 Lot Control#:

### Comments:

183-A20-TS

### Sketch Location:

See primary SCL

Logged BY / Date: E. McDonough 7/20/10

Reviewed BY / Date: Emil Damico 8/3/10



# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-CS140  
 Sample Number: PEF0153-MSD  
 Sample Name: E183-CS140-DS-PEF0153-MSD-MSD  
 Sampling Method: HA  
 Sample Type: DS                      Sample Purpose: MSD

Task: 118166  
 Collection Date: 14-JUL-10  
 Collection Time: 11:15  
 Start Depth: 1  
 End Depth: 2  
 Sample Matrix: SOIL  
 Sample Team:

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:  
 Sacode:  
 Lot Control#:

### Comments:

183-A20-TS

### Sketch Location:

See primary SCL

Logged BY / Date: E. McDonough 7/20/10

Reviewed BY / Date: Am Jansen 8/3/10

# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: **E183-CS141**  
 Sample Number: **PEF0154**  
 Sample Name: **E183-CS141-DS-PEF0154-REG**  
 Sampling Method: **HA**  
 Sample Type: **DS**                      Sample Purpose: **REG**

Task: **118166**  
 Collection Date: **10-JUN-10**  
 Collection Time: **09:55**  
 Start Depth: **0**  
 End Depth: **1**  
 Sample Matrix: **SOIL**  
 Sample Team: **MG / VB**

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:  
 Sacode:  
 Lot Control#:

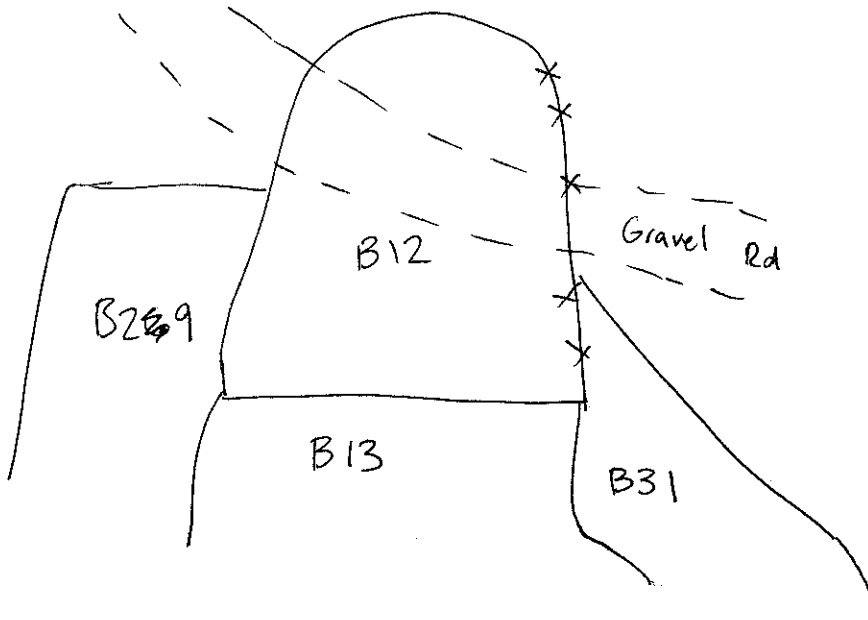
**Comments:**

183-B12-PE

5 pt. composite

**Sketch Location:**

x = sample locations



Logged BY / Date: E. McDonough 7/21/10

Reviewed BY / Date: Emily Dameron 8/3/10



# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-CS142  
 Sample Number: PEF0155  
 Sample Name: E183-CS142-DS-PEF0155-REG  
 Sampling Method: HA  
 Sample Type: DS                      Sample Purpose: REG

Task: 118166  
 Collection Date: 10-JUN-10  
 Collection Time: 09:15  
 Start Depth: 0  
 End Depth: 1  
 Sample Matrix: SOIL  
 Sample Team: RR/JG

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
ARSENIC	N	A	1	4	oz	CWM

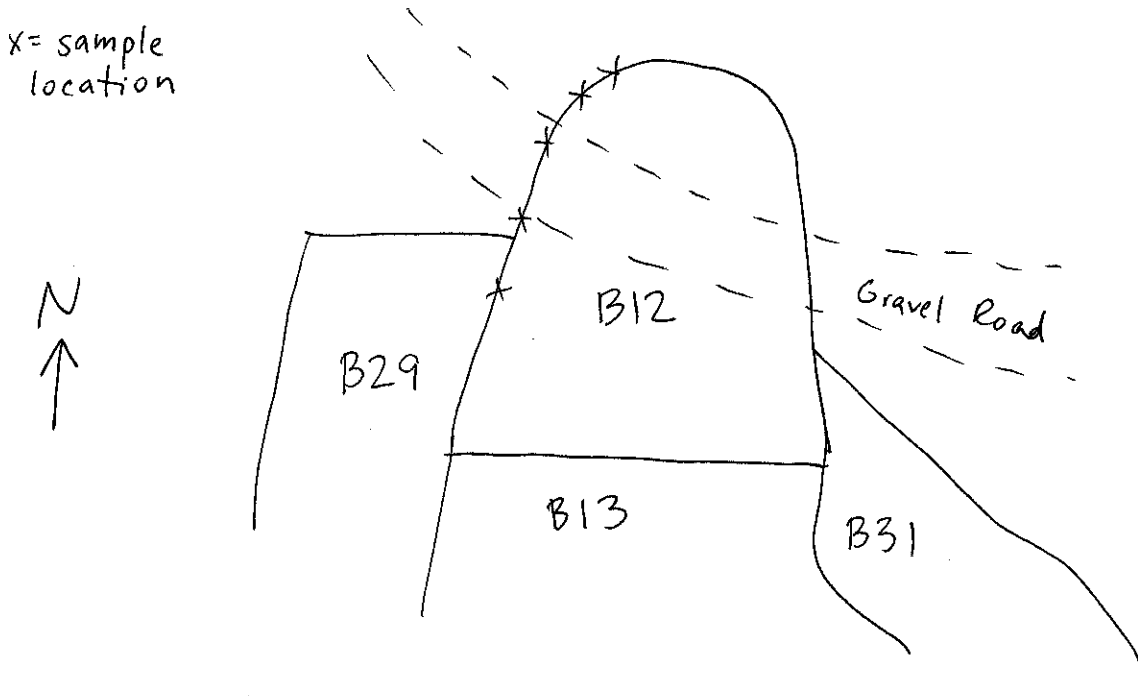
ERPIMS Values:  
 Sacode:  
 Lot Control#:

### Comments:

183-B12-PW

5 pt. composite

### Sketch Location:



Logged BY / Date: E. McDonough 7/21/10

Reviewed BY / Date: Emily DeLeon 8/3/10

# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: **E183-CS143**  
 Sample Number: **PEF0156**  
 Sample Name: **E183-CS143-DS-PEF0156-REG**  
 Sampling Method: **HA**  
 Sample Type: **DS**                      Sample Purpose: **REG**

Task: **118166**  
 Collection Date: **21-JUN-10**  
 Collection Time: **15:30**  
 Start Depth: **0**  
 End Depth: **1**  
 Sample Matrix: **SOIL**  
 Sample Team: **MG / VB**

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
ARSENIC	N	A	1	4	oz	CWM

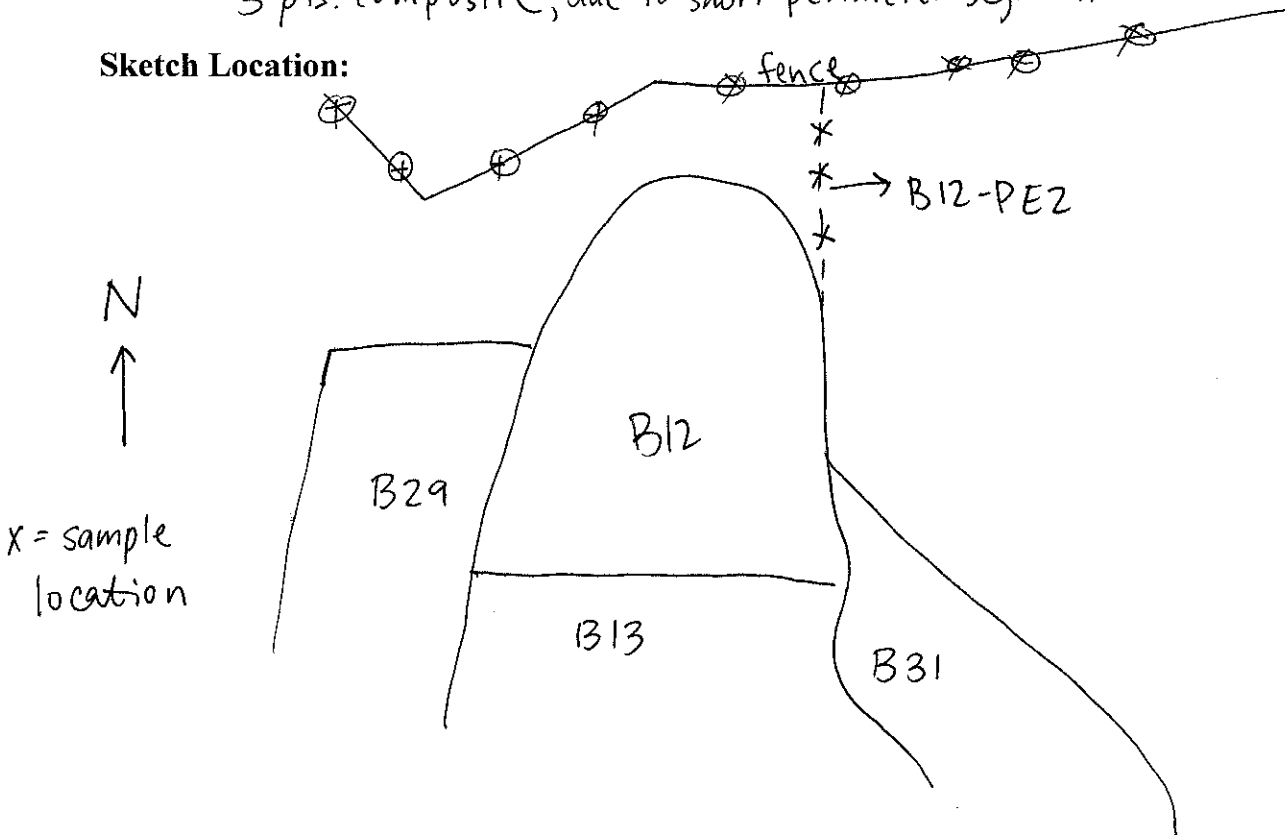
ERPIMS Values:  
 Sacode:  
 Lot Control#:

**Comments:**

183-B12-PE2

3 pts. composite, due to short perimeter segment

**Sketch Location:**



Logged BY / Date: E. McDonough 7/21/10

Reviewed BY / Date: Emil Sameem 8/13/10

# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-CS144  
 Sample Number: PEF0157  
 Sample Name: E183-CS144-DS-PEF0157-REG  
 Sampling Method: HA  
 Sample Type: DS  
 Sample Purpose: REG

Task: 118166  
 Collection Date: 21-JUN-10  
 Collection Time: 15:10  
 Start Depth: 0  
 End Depth: 1  
 Sample Matrix: SOIL  
 Sample Team: RR/JG

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
ARSENIC	N	A	1	4 oz	CWM	

ERPIMS Values:  
 Sacode:  
 Lot Control#:

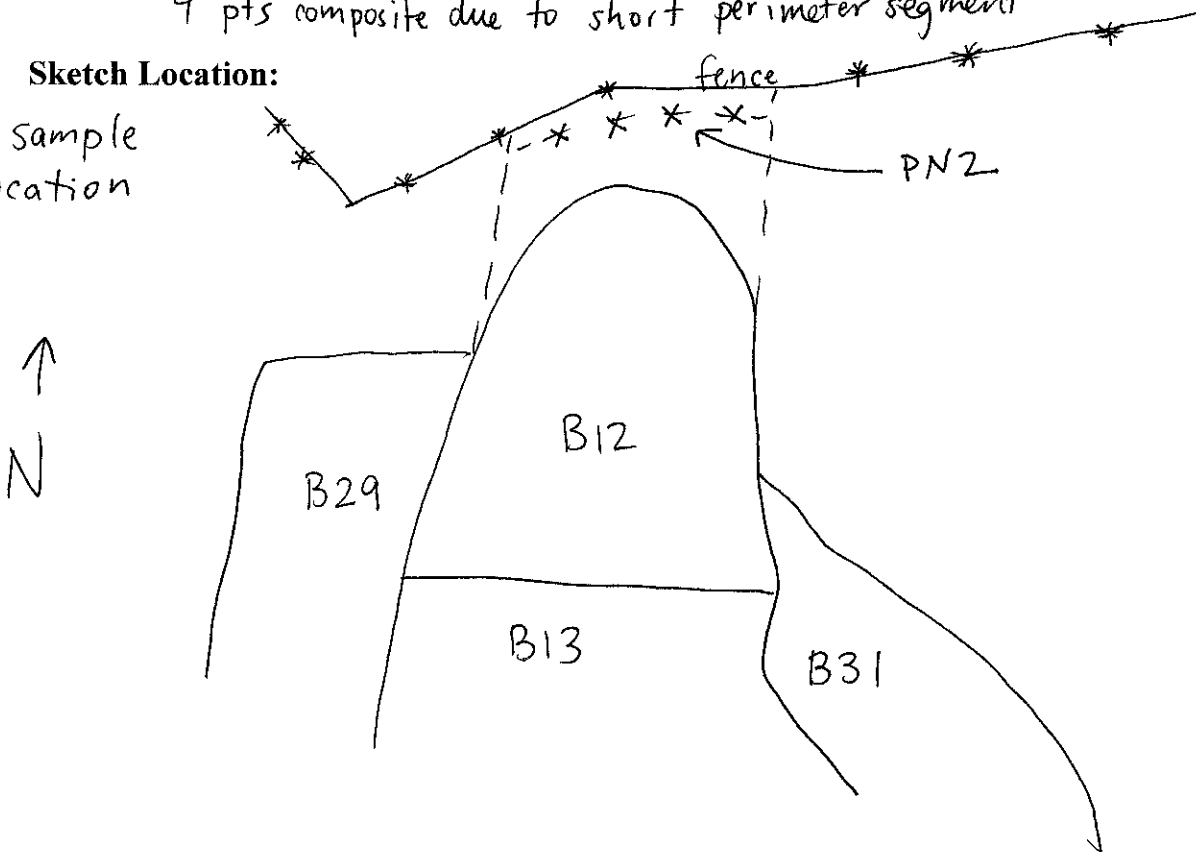
**Comments:**

183-B12-PN2

4 pts composite due to short perimeter segment

**Sketch Location:**

x = sample location



Logged BY / Date: E. McDonough 7/21/10

Reviewed BY / Date: Emily Johnson 8/21/10

# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: **E183-CS145**  
 Sample Number: **PEF0158**  
 Sample Name: **E183-CS145-DS-PEF0158-REG**  
 Sampling Method: **HA**  
 Sample Type: **DS**                      Sample Purpose: **REG**

Task: **118166**  
 Collection Date: **14-JUL-10**  
 Collection Time: **14:55**  
 Start Depth: **1**  
 End Depth: **2**  
 Sample Matrix: **SOIL**  
 Sample Team: **RR/JG**

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:  
 Sacode:  
 Lot Control#:

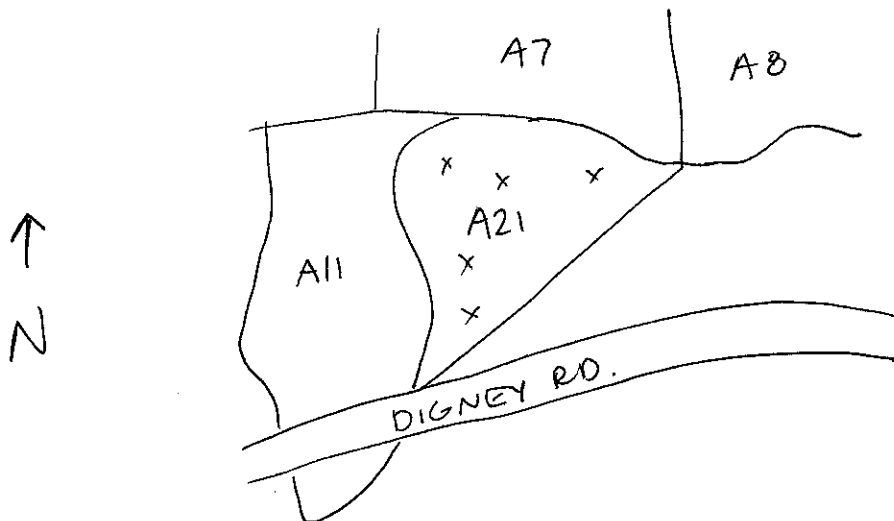
**Comments:**

183-A21-T

5 pt. composite

**Sketch Location:**

X = sample location



Logged BY / Date: E. McDonough 7/21/10

Reviewed BY / Date: Emmanuel 8/3/10



# Sample Collection Log

## 118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-CS146  
 Sample Number: PEF0159  
 Sample Name: E183-CS146-DS-PEF0159-REG  
 Sampling Method: HA  
 Sample Type: DS

Task: 118166  
 Collection Date: 15-JUL-10  
 Collection Time: 12:10  
 Start Depth: 1  
 End Depth: 2  
 Sample Matrix: SOIL  
 Sample Team: RH/JG

Sample Purpose: REG

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
ARSENIC	N	A	1	4	oz	CWM

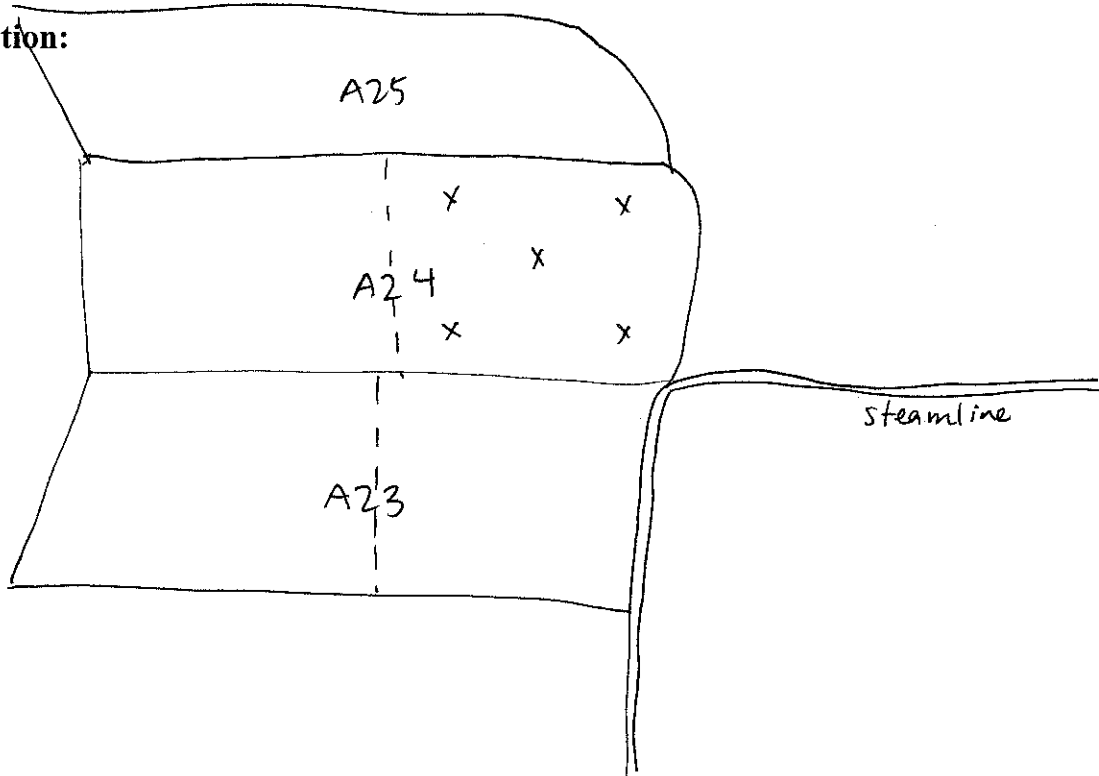
ERPIMS Values:  
 Sacode:  
 Lot Control#:

### Comments:

183-A24-TE  
 5 pt. composite

### Sketch Location:

X = sample location



Logged BY / Date: E. McDonough 7/21/10

Reviewed BY / Date: Emily [Signature] 7/23/10





# Sample Collection Log

## 118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-CS147  
 Sample Number: PEF0160  
 Sample Name: E183-CS147-DS-PEF0160-REG  
 Sampling Method: HA  
 Sample Type: DS                      Sample Purpose: REG

Task: 118166  
 Collection Date: 15-JUL-10  
 Collection Time: 14:30  
 Start Depth: 1  
 End Depth: 2  
 Sample Matrix: SOIL  
 Sample Team: OA / VB

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
ARSENIC	N	A	1	4	oz	CWM

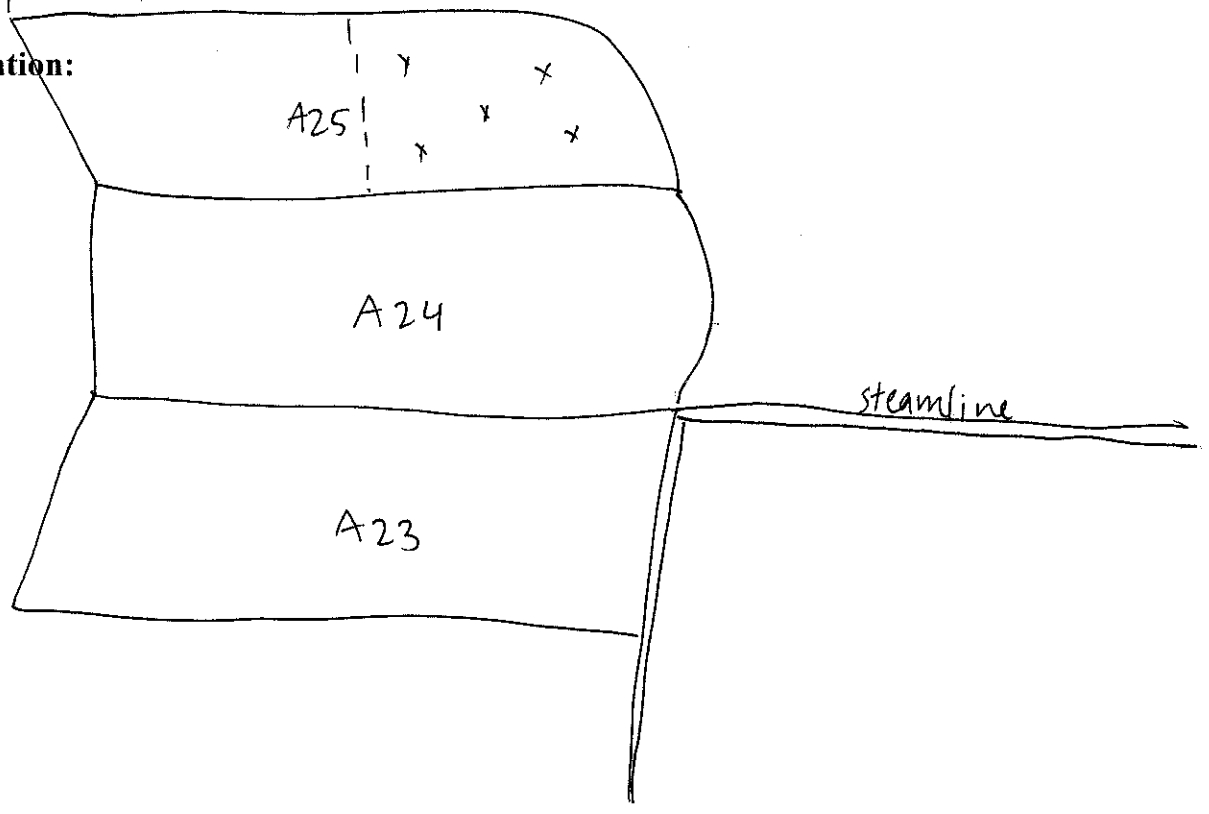
ERPIMS Values:  
 Sacode:  
 Lot Control#:

### Comments:

183-A25-TE  
 5 pt. composite

### Sketch Location:

x = sample location



Logged BY / Date: E. McDonough 7/21/10

Reviewed BY / Date: Erin J. Dawson 8/10/10

# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

REA / COC Number: 183-071610-EMP

Location Code: **E183-CS148**  
 Sample Number: **PEF0161**  
 Sample Name: **E183-CS148-DS-PEF0161-REG**  
 Sampling Method: **HA**  
 Sample Type: **DS**                      Sample Purpose: **REG**

Task: **118166**  
 Collection Date: **15-JUL-10**  
 Collection Time: **15:50**  
 Start Depth: **1**  
 End Depth: **2**  
 Sample Matrix: **SOIL**  
 Sample Team: **OA / RH**

**Containers**

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:  
 Sacode:  
 Lot Control#:

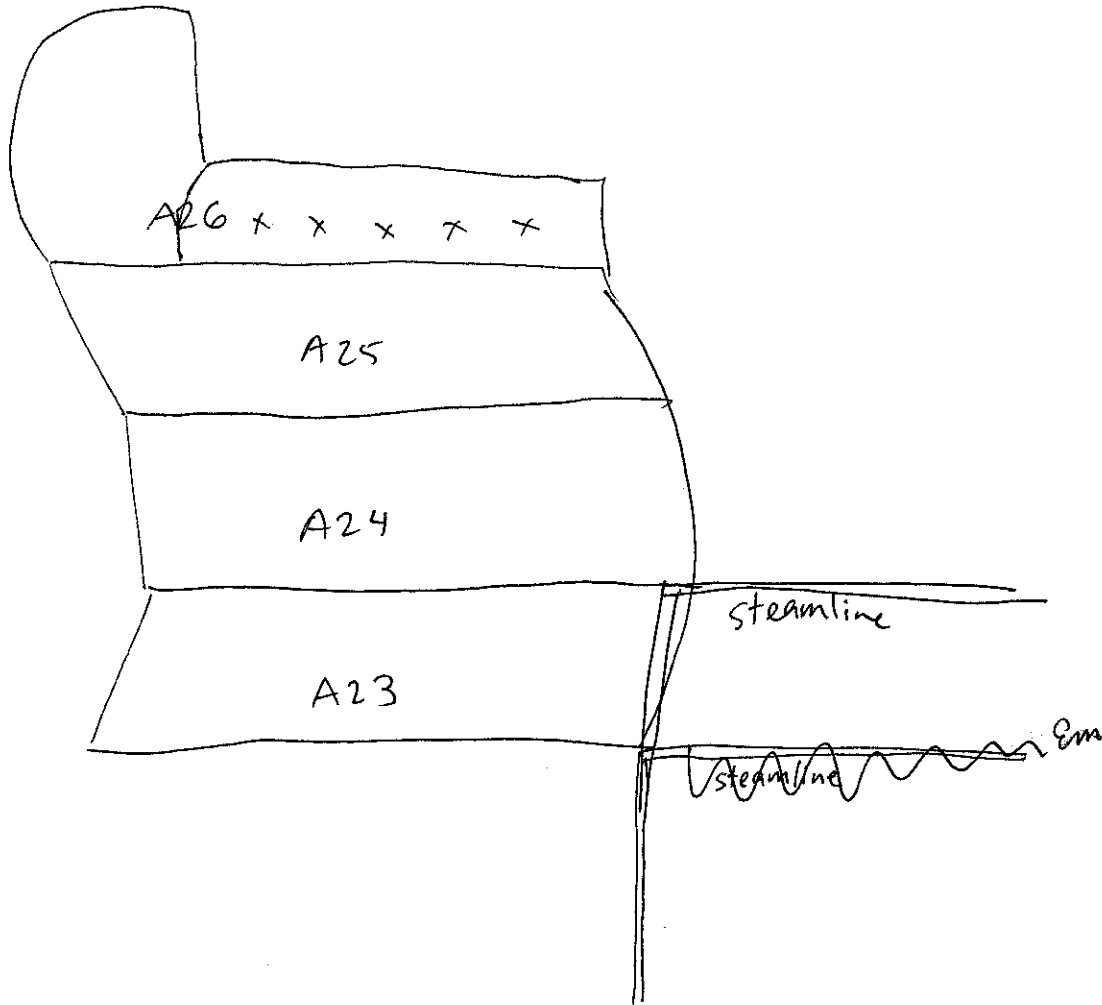
**Comments:**

183-A26-TE  
 5 pt. composite

**Sketch Location:**

X = sample location

N  
 ↑



Logged BY / Date: E. McDonough 7/21/10

Reviewed BY / Date: Emily Damm 8/4/10

# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-CS149  
 Sample Number: PEF0162  
 Sample Name: E183-CS149-DS-PEF0162-REG  
 Sampling Method: HA  
 Sample Type: DS  
 Sample Purpose: REG

Task: 118166  
 Collection Date: 15-JUL-10  
 Collection Time: 10:40  
 Start Depth: 1  
 End Depth: 2  
 Sample Matrix: SOIL  
 Sample Team: RR/JG

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
ARSENIC	N	A	1	4 oz	CWM	

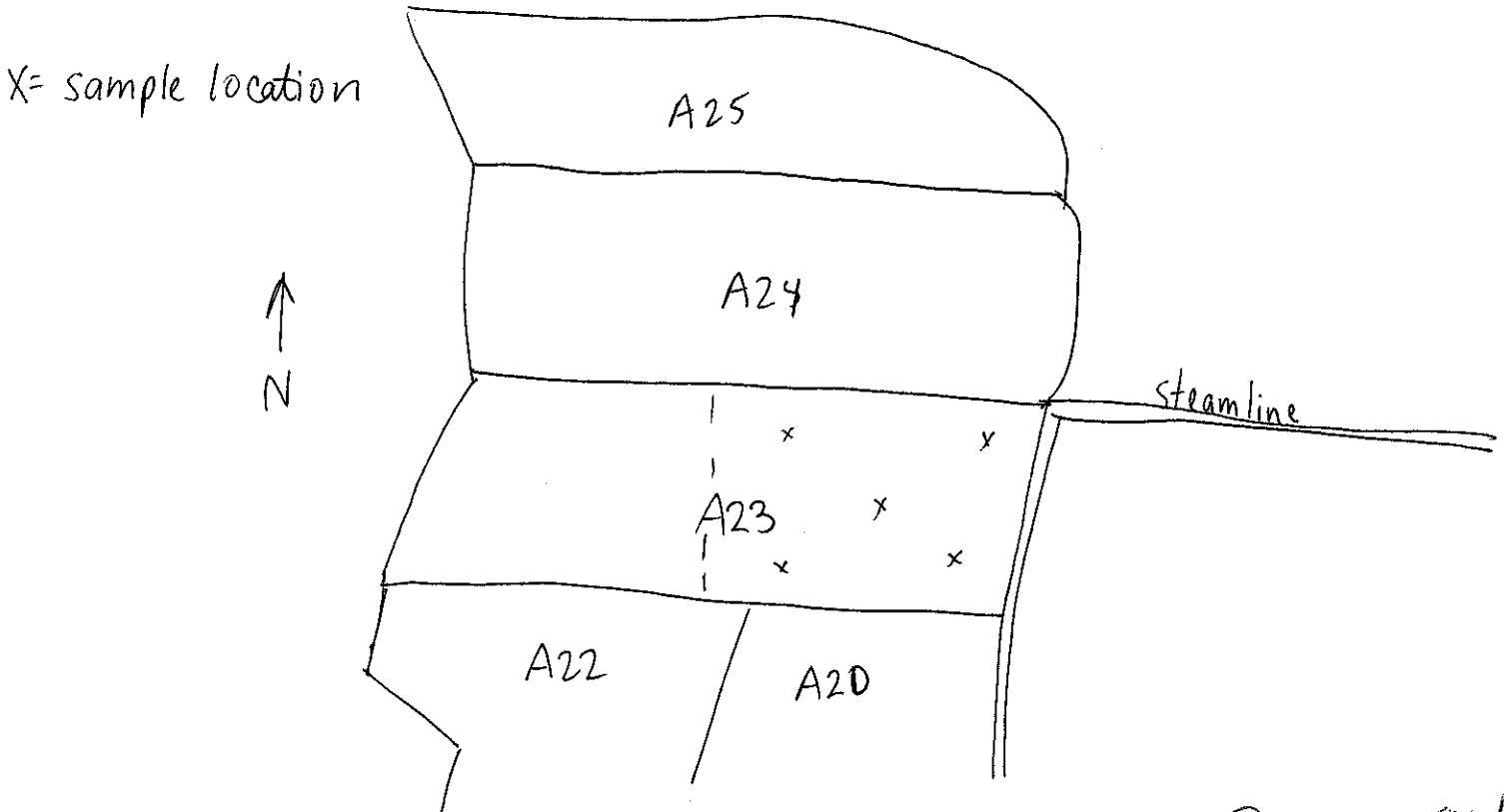
ERPIMS Values:  
 Sacode:  
 Lot Control#:

**Comments:**

183-A23-TE

5 pt. composite

**Sketch Location:**



Logged BY / Date: E. McDonough 7/21/10

Reviewed BY / Date: Steve Moran 8/4/10



# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-CS152  
 Sample Number: PEF0165  
 Sample Name: E183-CS152-DS-PEF0165-REG  
 Sampling Method: HA  
 Sample Type: DS      Sample Purpose: REG

Task: 118166  
 Collection Date: 15-JUL-10  
 Collection Time: 15:20  
 Start Depth: 1  
 End Depth: 2  
 Sample Matrix: SOIL  
 Sample Team: VB/OA

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
ARSENIC	N	A	1	4	oz	CWM

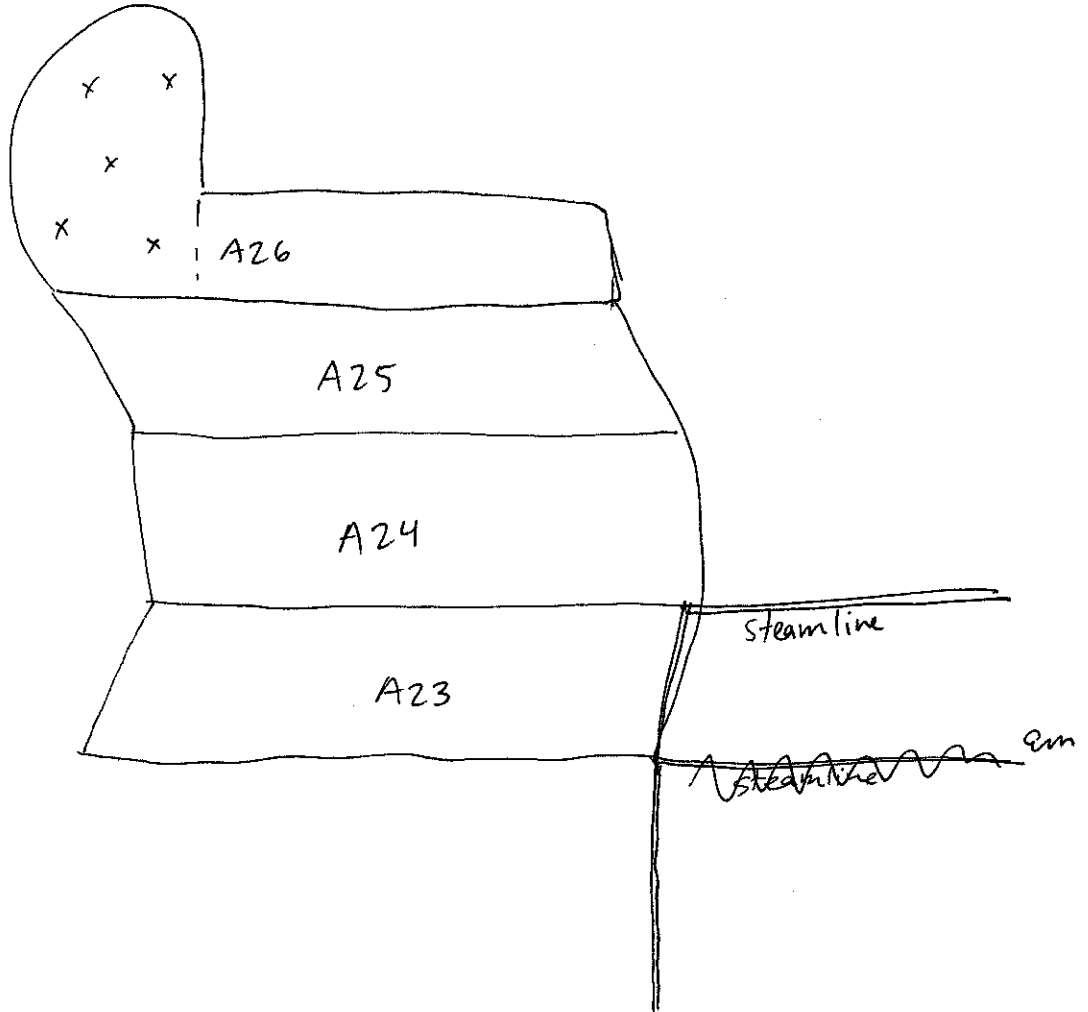
ERPIMS Values:  
 Sacode:  
 Lot Control#:

**Comments:**

183-A26-TW  
 5 pt. composite

**Sketch Location:**

x = sample location



Logged BY / Date: E. McDonough 7/21/10

Reviewed BY / Date: Emily Dancer 8/24/10

# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: **E183-CS153**  
 Sample Number: **PEF0166**  
 Sample Name: **E183-CS153-DS-PEF0166-REG**  
 Sampling Method: **HA**  
 Sample Type: **DS**                      Sample Purpose: **REG**

Task: **118166**  
 Collection Date: **15-JUL-10**  
 Collection Time: **10:20**  
 Start Depth: **1**  
 End Depth: **2**  
 Sample Matrix: **SOIL**  
 Sample Team: **RH/OA**

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
ARSENIC	N	A	1	4 oz	CWM	

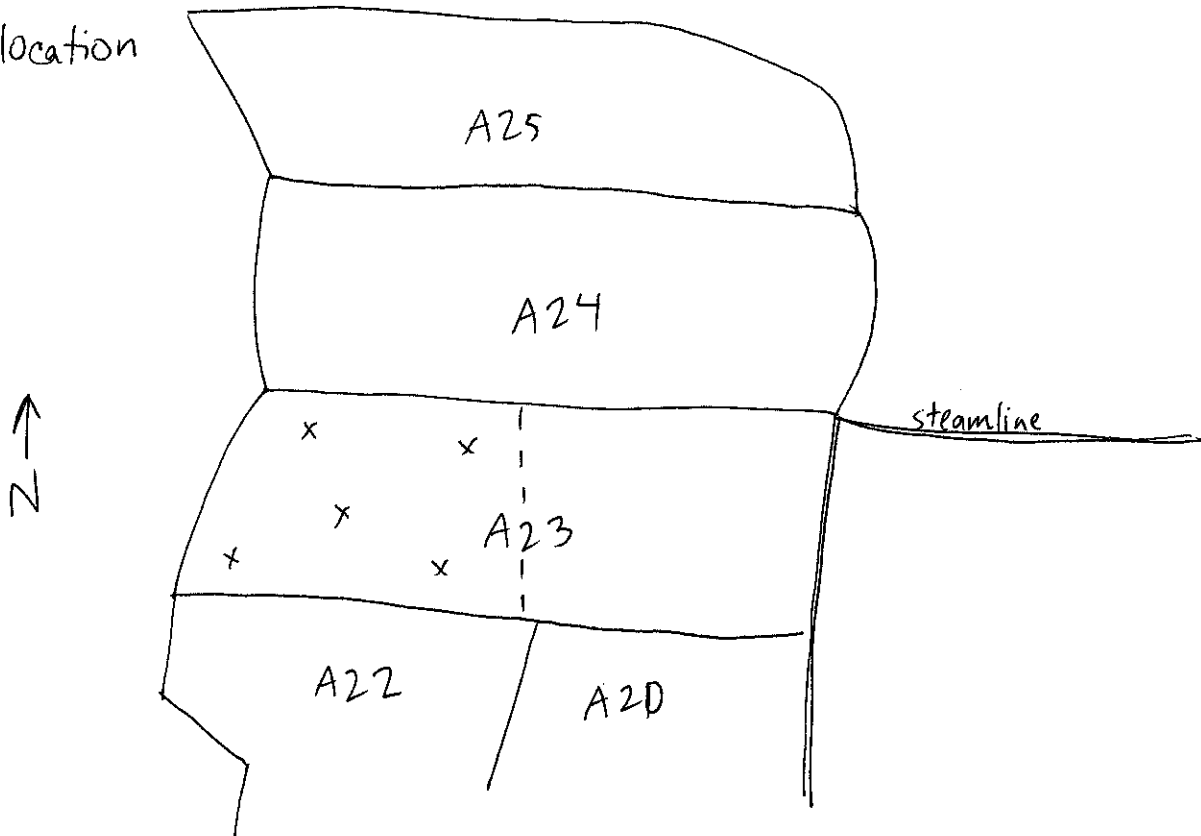
ERPIMS Values:  
 Sacode:  
 Lot Control#:

**Comments:**

183-A23-TW  
 5 pt. composite

**Sketch Location:**

x = sample location



Logged BY / Date: P. McDonough 7/21/10

Reviewed BY / Date: Erin Cameron 8/4/10

# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

REA / COC Number: 183-071610-EMP

Location Code: E183-CS154  
 Sample Number: PEF0167  
 Sample Name: E183-CS154-DS-PEF0167-REG  
 Sampling Method: HA  
 Sample Type: DS

Task: 118166  
 Collection Date: 15-JUL-10  
 Collection Time: 14:00  
 Start Depth: 1  
 End Depth: 2  
 Sample Matrix: SOIL  
 Sample Team: RR/JG

Sample Purpose: REG

**Containers**

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:  
 Sacode:  
 Lot Control#:

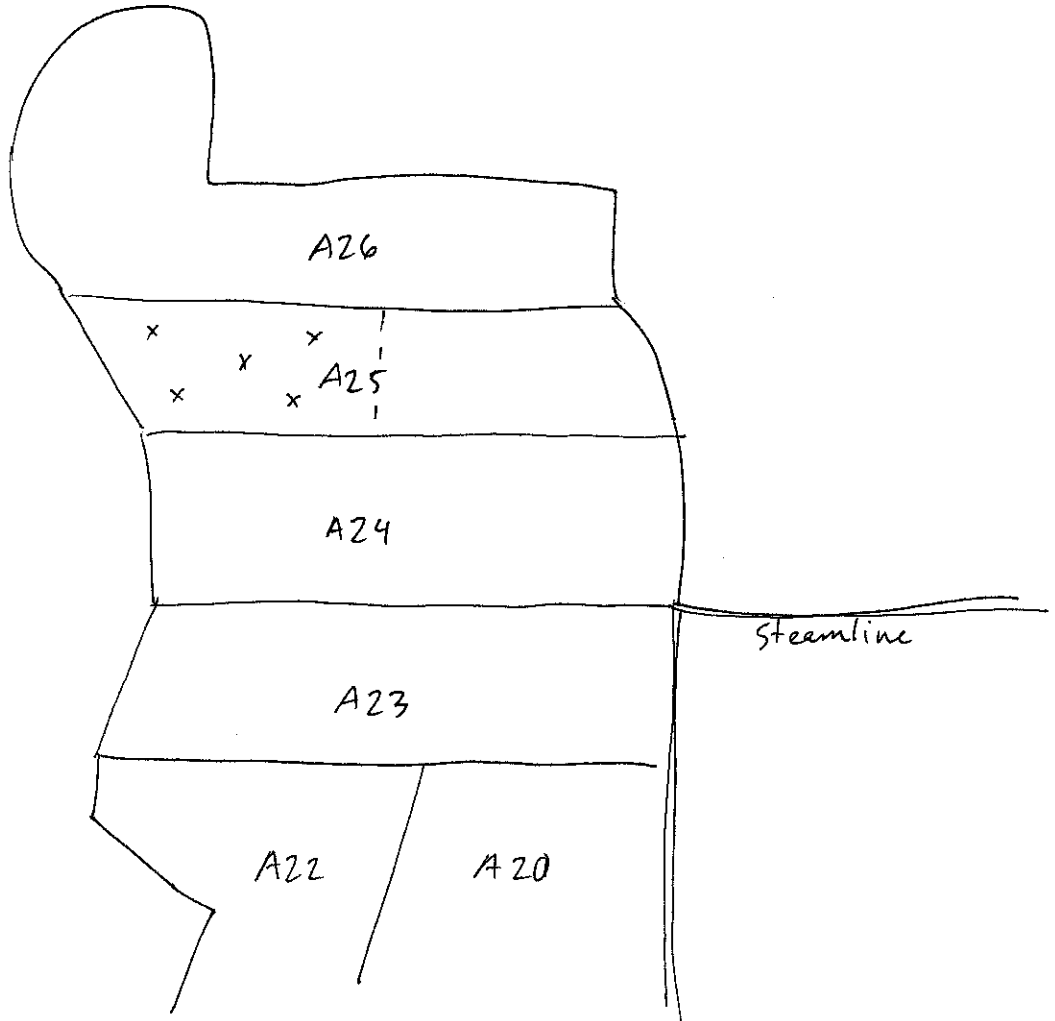
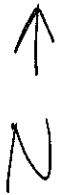
**Comments:**

183-A25-TW

5 pt. composite

**Sketch Location:**

x = sample location



Logged BY / Date: E. McDonough 7/21/10

Reviewed BY / Date: E. McDonough 8/4/10

# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-CS155  
 Sample Number: PEF0168  
 Sample Name: E183-CS155-DS-PEF0168-REG  
 Sampling Method: HA  
 Sample Type: DS  
 Sample Purpose: REG

Task: 118166  
 Collection Date: 14-JUL-10  
 Collection Time: 11:50  
 Start Depth: 1  
 End Depth: 2  
 Sample Matrix: SOIL  
 Sample Team: DA / VB

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:  
 Sacode:  
 Lot Control#:

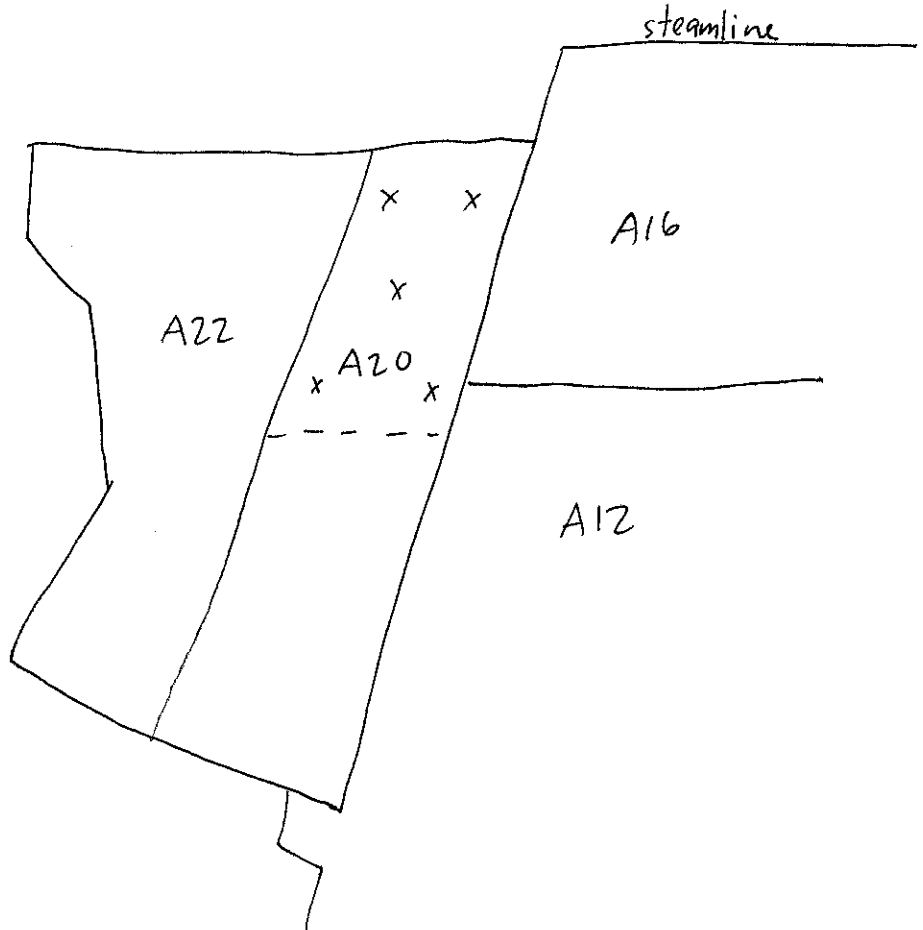
**Comments:**

183-A20-TN

5 pt. composite

**Sketch Location:**

x = sample location



Logged BY / Date: E. McDonough 7/21/10

Reviewed BY / Date: Erin Jamison 8/4/10



# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: **E183-CS149**  
 Sample Number: **PEF0169**  
 Sample Name: **E183-CS149-DS-PEF0169-FD**  
 Sampling Method: **HA**  
 Sample Type: **DS**                      Sample Purpose: **FD**

Task: **118166** *EM*  
 Collection Date: <sup>15</sup>~~14~~-JUL-10  
 Collection Time: **10:40**  
 Start Depth: **1**  
 End Depth: **2**  
 Sample Matrix: **SOIL**  
 Sample Team:

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:  
 Sacode:  
 Lot Control#:

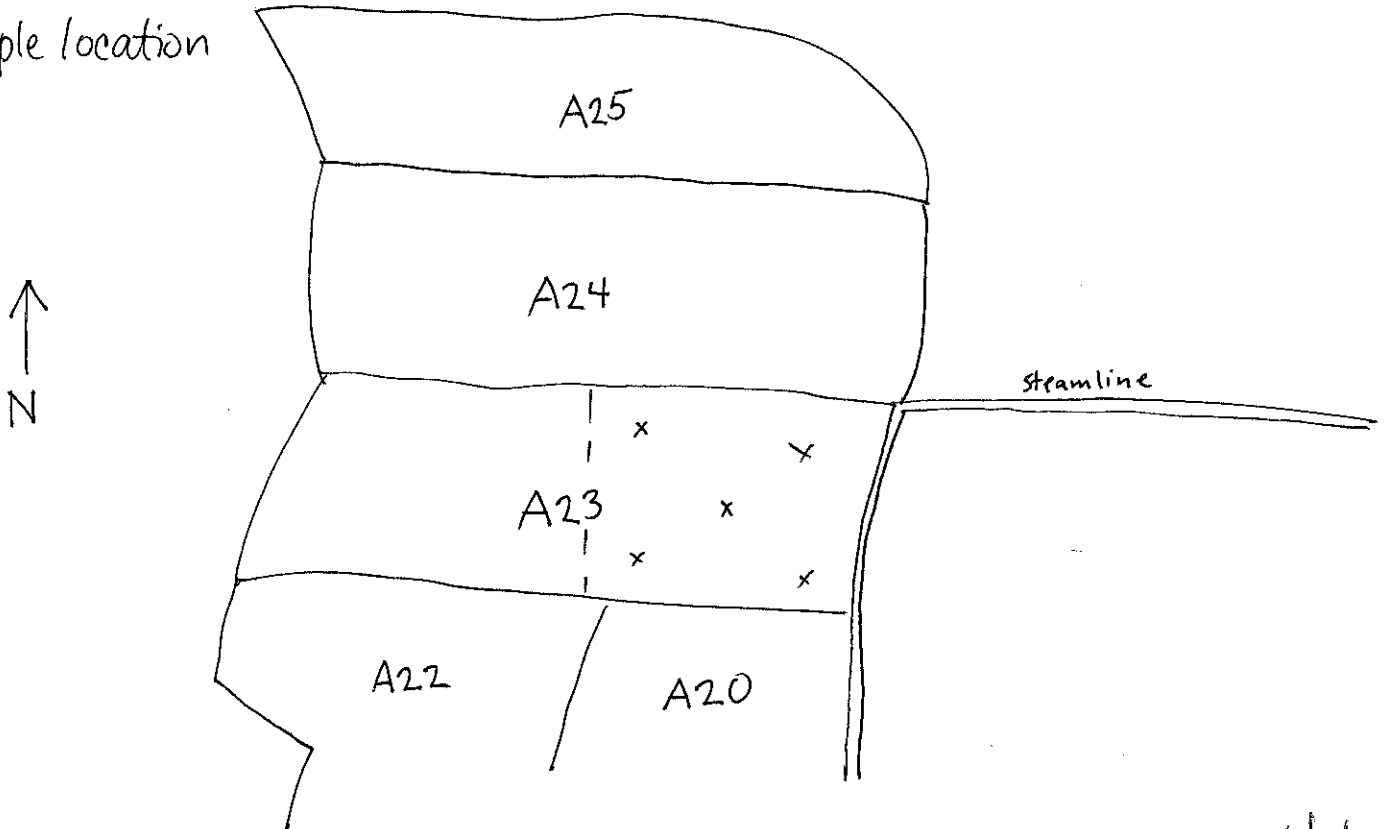
**Comments:**

183-A23-TE

5 pt. composite

**Sketch Location:**

x = sample location



Logged BY / Date: Eleanor McDonough 7/21/10 Reviewed BY / Date: Emily James 8/4/10

# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-073010-EMP

Location Code: **E183-CS157**  
 Sample Number: **PEF0171**  
 Sample Name: **E183-CS157-DS-PEF0171-REG**  
 Sampling Method: **HA**  
 Sample Type: **DS**                      Sample Purpose: **REG**

Task: **118166**  
 Collection Date: **30-JUL-10**  
 Collection Time: **09:50**  
 Start Depth: **0'** bgs  
 End Depth: **1'**  
 Sample Matrix: **SOIL**  
 Sample Team: *kelac/jg*

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
ARSENIC	N	A	1	4	oz	CWM

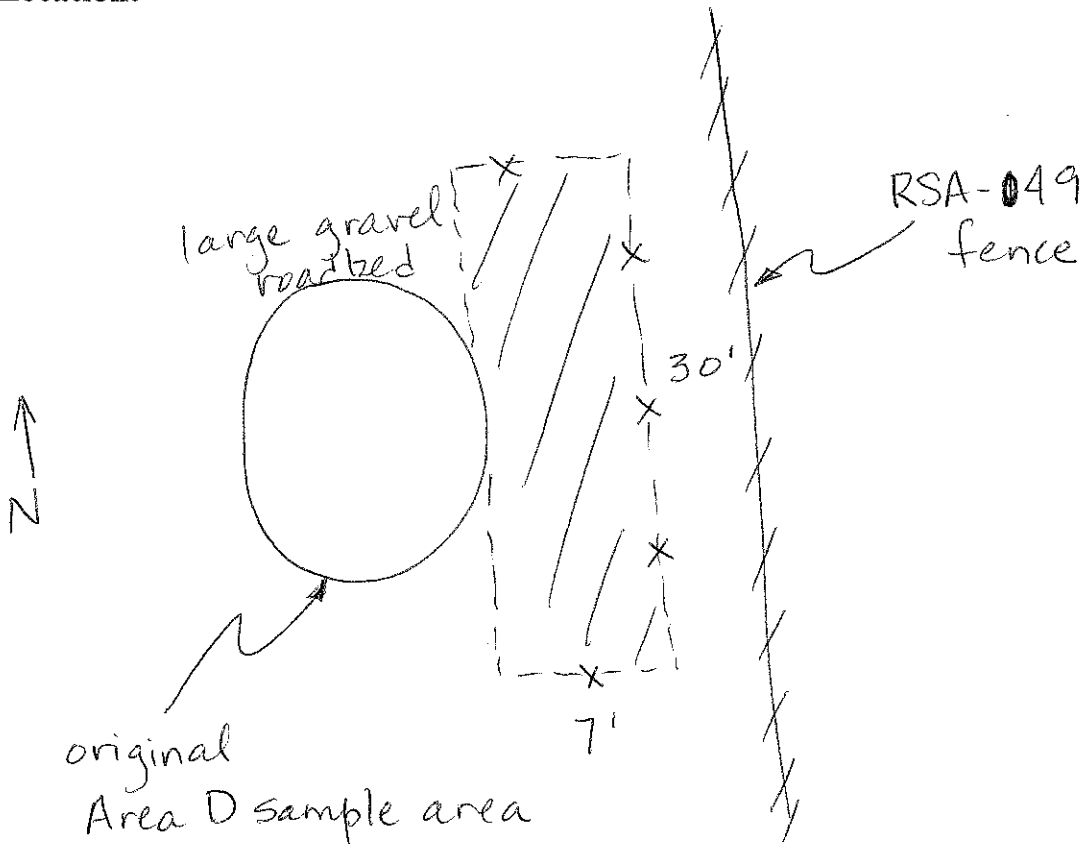
ERPIMS Values:  
 Sacode:  
 Lot Control#:

**Comments:**

183-D01-PE

5 point composite sample

**Sketch Location:**



Logged BY / Date: K. Chambers 7.30.10      Reviewed BY / Date: K. Chambers 7.30.10

# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-073010-EMP

Location Code: **E183-CS158**  
 Sample Number: **PEF0172**  
 Sample Name: **E183-CS158-DS-PEF0172-REG**  
 Sampling Method: **HA**  
 Sample Type: **DS**                      Sample Purpose: **REG**

Task: **118166**  
 Collection Date: **30-JUL-10**  
 Collection Time: **10:15**  
 Start Depth: **0' bgs**  
 End Depth: **1'**  
 Sample Matrix: **SOIL**  
 Sample Team: *Kc|ac|jg*

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
ARSENIC	N	A	1	4	oz	CWM

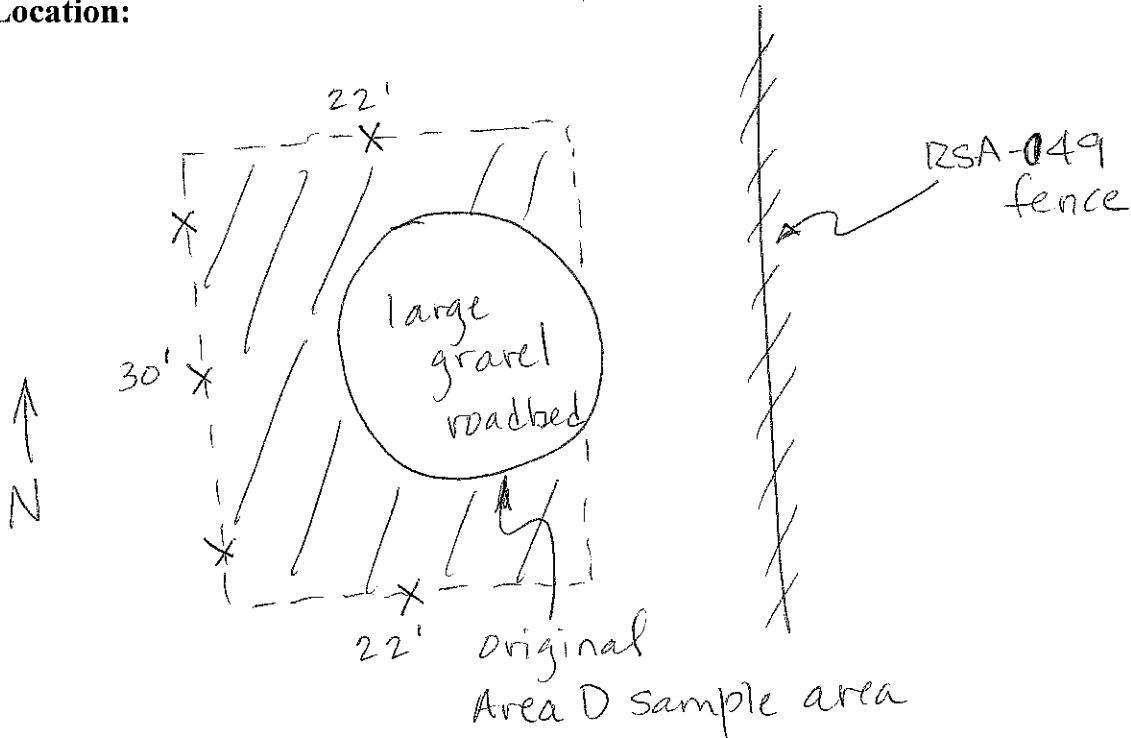
ERPIMS Values:  
 Sacode:  
 Lot Control#:

**Comments:**

183-D01-PW

*5 point composite sample*

**Sketch Location:**



Logged BY / Date: K. Chambers 7.30.10 Reviewed BY / Date: K. Chambers



# Sample Collection Log

118166 - Redstone- PBC

Manager: Jack Keolsch

RFA / COC Number: PEF08182010-S-ELAB

Location Code: **E183-CS159**

Task: **118166**

Sample Number: **PEF0173**

Collection Date: 8.17.10

Sample Name: **E183-CS159-DS-PEF0173-REG**

Collection Time: 11:55

Sampling Method: **GRAB**

Start Depth: 1'

Sample Type: **DS**

Sample Purpose: **REG**

End Depth: 2'

Sampling Equip: SS spoon

Sample Matrix: **SOIL**

QC Partners:

(TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_ Sample Team: ME

### Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:

Sacode: \_\_\_\_\_

Lot Control#: \_\_\_\_\_

Comments: A04N4

Sketch Location: location has been surveyed - see map.

Logged BY/ Date: PLC / 8.18.10

Reviewed BY/ Date: E. McDonough / 8/30/10



# Sample Collection Log

118166 - Redstone- PBC  
Manager: Jack Keolsch

RFA / COC Number: PEF08182010-S-ELAB

Location Code: E183-CS160 Task: 118166  
 Sample Number: PEF0174 Collection Date: 8.17.10  
 Sample Name: E183-CS160-DS-PEF0174-REG Collection Time: 12:10  
 Sampling Method: GRAB Start Depth: 1'  
 Sample Type: DS Sample Purpose: REG End Depth: 2'  
 Sampling Equip: SS spoon Sample Matrix: SOIL  
 QC Partners: \_\_\_\_\_ Sample Team: \_\_\_\_\_  
 (TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:  
 Sacode: \_\_\_\_\_  
 Lot Control#: \_\_\_\_\_

Comments: A15TW4

**Sketch Location:**

location has been surveyed - see map

Logged BY/ Date: UCC / 8.18.10

Reviewed BY/ Date: E. McDonough / 8/30/10



# Sample Collection Log

118166 - Redstone- PBC

Manager: Jack Keolsch

RFA / COC Number: PEF08182010 - S - ELAB

Location Code: **E183-CS160**

Task: **118166**

Sample Number: **PEF0175**

Collection Date: 8.17.10

Sample Name: **E183-CS160-DS-PEF0175-FD**

Collection Time: 12:10

Sampling Method: **GRAB**

Start Depth: 1'

Sample Type: **DS** Sample Purpose: **FD**

End Depth: 2'

Sampling Equip: SS spoon

Sample Matrix: **SOIL**

QC Partners:

(TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_

Sample Team: \_\_\_\_\_

### Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:

Sacode: \_\_\_\_\_

Lot Control#: \_\_\_\_\_

Comments: A15TW4

Sketch Location: location has been surveyed - see map.

Logged BY/ Date: UKC / 8.18.10

Reviewed BY/ Date: E. McDonough / 8/30/10



# Sample Collection Log

118166 - Redstone- PBC  
Manager: Jack Keolsch

RFA / COC Number: PEF08182010-S-ELAB

Location Code: **E183-CS161**

Task: **118166**

Sample Number: **PEF0176**

Collection Date: 8.17.10

Sample Name: **E183-CS161-DS-PEF0176-REG**

Collection Time: 10:45

Sampling Method: **GRAB**

Start Depth: 1'

Sample Type: **DS**

Sample Purpose: **REG**

End Depth: 2'

Sampling Equip: SS spoon

Sample Matrix: **SOIL**

QC Partners:

(TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_ Sample Team: \_\_\_\_\_

### Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:

Sacode: \_\_\_\_\_

Lot Control#: \_\_\_\_\_

Comments: B28 TN1 and B28 TN5 2 pt. composite

Sketch Location:

location has been surveyed - see map

Logged BY/ Date: KKC / 8.18.10

Reviewed BY/ Date: E. McDonough / 8/30/10



# Sample Collection Log

118166 - Redstone- PBC

Manager: Jack Keolsch

RFA / COC Number: PEF08182010-S-ELAB

Location Code: **E183-CS162**

Task: **118166**

Sample Number: **PEF0177**

Collection Date: 8.17.10

Sample Name: **E183-CS162-DS-PEF0177-REG**

Collection Time: 10:10

Sampling Method: **GRAB**

Start Depth: 1'

Sample Type: **DS**

Sample Purpose: **REG**

End Depth: 2'

Sampling Equip: SS Spoon

Sample Matrix: **SOIL**

QC Partners:

(TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_

Sample Team: \_\_\_\_\_

### Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:

Sacode: \_\_\_\_\_

Lot Control#: \_\_\_\_\_

Comments: B12 TN

Sketch Location:

location has been surveyed - see map

Logged BY/ Date: VCC/8.18.10

Reviewed BY/ Date: E. McDonough 8/30/10





# Sample Collection Log

118166 - Redstone- PBC

Manager: Jack Keolsch

RFA / COC Number: PEF08182010-S-ELAB

Location Code: E183-CS163

Task: 118166

Sample Number: PEF0178

Collection Date: 8.17.10

Sample Name: E183-CS163-DS-PEF0178-REG

Collection Time: 11:15

Sampling Method: GRAB

Start Depth: 1'

Sample Type: DS

Sample Purpose: REG

End Depth: 2'

Sampling Equip: SS spoon

Sample Matrix: SOIL

QC Partners:

(TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_ Sample Team: \_\_\_\_\_

### Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:

Sacode: \_\_\_\_\_

Lot Control#: \_\_\_\_\_

Comments: B21 TW2 and B21 TW5 2 pt. composite

Sketch Location:

location has been surveyed - see map

Logged BY/ Date: Uce/8.18.10

Reviewed BY/ Date: E. McDonough 8/30/10



# Sample Collection Log

118166 - Redstone- PBC

Manager: Jack Keolsch

RFA / COC Number: PEF08182010 - S - ELAB

Location Code: E183-CS164

Task: 118166

Sample Number: PEF0179

Collection Date: 8.17.10

Sample Name: E183-CS164-DS-PEF0179-REG

Collection Time: 10:40

Sampling Method: GRAB

Start Depth: 1'

Sample Type: DS Sample Purpose: REG

End Depth: 2'

Sampling Equip: SS spoon

Sample Matrix: SOIL

QC Partners:

(TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_ Sample Team: \_\_\_\_\_

### Containers

ERPIMS Values:

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
ARSENIC	N	A	1	4	oz	CWM

Sacode: \_\_\_\_\_

Lot Control#: \_\_\_\_\_

Comments: B24 N1 and B24 N4 2 pt. composite

### Sketch Location:

location has been surveyed - see map.

Logged BY/ Date: kec 8.18.10

Reviewed BY/ Date: E. McDonough 8/30/10



# Sample Collection Log

118166 - Redstone- PBC

Manager: Jack Keolsch

RFA / COC Number: PEF08182010 - S-ELAB

Location Code: E183-CS165

Task: 118166

Sample Number: PEF0180

Collection Date: 8.17.10

Sample Name: E183-CS165-DS-PEF0180-REG

Collection Time: 11:10

Sampling Method: GRAB

Start Depth: 1'

Sample Type: DS

Sample Purpose: REG

End Depth: 2'

Sampling Equip: SS spoon

Sample Matrix: SOIL

QC Partners:

(TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_ Sample Team: \_\_\_\_\_

### Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:

Sacode: \_\_\_\_\_

Lot Control#: \_\_\_\_\_

Comments: B25 N1, B25 N3, & B25 N4 3 pt. composite

Sketch Location:

location has been surveyed - see map

Logged BY/ Date: YKC / 8.18.10

Reviewed BY/ Date: 8/30/10 E. McDonough



# Sample Collection Log

118166 - Redstone- PBC

Manager: Jack Keolsch

RFA / COC Number: PEF08182010-S-ELAB

Location Code: **E183-CS166**

Task: **118166**

Sample Number: **PEF0181**

Collection Date: 8.17.10

Sample Name: **E183-CS166-DS-PEF0181-REG**

Collection Time: 11.45

Sampling Method: **GRAB**

Start Depth: 1'

Sample Type: **DS**

Sample Purpose: **REG**

End Depth: 2'

Sampling Equip: SS Spoon

Sample Matrix: **SOIL**

QC Partners:

(TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_ Sample Team: **MG**

### Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:

Sacode: \_\_\_\_\_

Lot Control#: \_\_\_\_\_

Comments: A03E2

### Sketch Location:

location has been surveyed - see map.

Logged BY/ Date: kle/8.18.10

Reviewed BY/ Date: E. McDonough 8/30/10



# Sample Collection Log

118166 - Redstone- PBC  
Manager: Jack Keolsch

RFA / COC Number: PEF08182010-S-ELAB

Location Code: E183-CS167  
Sample Number: PEF0182  
Sample Name: E183-CS167-DS-PEF0182-REG  
Sampling Method: GRAB  
Sample Type: DS Sample Purpose: REG  
Sampling Equip: SS spoon  
QC Partners: \_\_\_\_\_  
(TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_

Task: 118166  
Collection Date: 8.17.10  
Collection Time: 12:05  
Start Depth: 1'  
End Depth: 2'  
Sample Matrix: SOIL  
Sample Team: ED

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:  
Sacode: \_\_\_\_\_  
Lot Control#: \_\_\_\_\_

Comments: A15 TE1

**Sketch Location:**

*location has been surveyed - see map.*

Logged BY / Date: VCC / 8.18.10

Reviewed BY / Date: E. McDonough / 8/30/10



# Sample Collection Log

118166 - Redstone- PBC  
Manager: Jack Keolsch

RFA / COC Number: PEF08182010-S-ELAB

Location Code: **E183-CS168** Task: **118166**  
 Sample Number: **PEF0183** Collection Date: B.17.10  
 Sample Name: **E183-CS168-DS-PEF0183-REG** Collection Time: 11:00  
 Sampling Method: **GRAB** Start Depth: 1'  
 Sample Type: **DS** Sample Purpose: **REG** End Depth: 2'  
 Sampling Equip: SS Spoon Sample Matrix: **SOIL**  
 QC Partners: \_\_\_\_\_ Sample Team: MG  
 (TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:  
 Sacode: \_\_\_\_\_  
 Lot Control#: \_\_\_\_\_

Comments: B29 TNS

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**Sketch Location:**

*location has been surveyed - see map.*

Logged BY/ Date: KKC / B.18.10

Reviewed BY/ Date: E. McDonough / 8/30/10



# Sample Collection Log

118166 - Redstone- PBC  
Manager: Jack Keolsch

RFA / COC Number: PEF08182010-S-ELAB

Location Code: E183-CS169

Task: 118166

Sample Number: PEF0184

Collection Date: 8.17.10

Sample Name: E183-CS169-DS-PEF0184-REG

Collection Time: 11:05

Sampling Method: GRAB

Start Depth: 1'

Sample Type: DS

Sample Purpose: REG

End Depth: 2'

Sampling Equip: SS Spoon

Sample Matrix: SOIL

QC Partners:

(TB) \_\_\_\_\_

(ER) \_\_\_\_\_

(FB) \_\_\_\_\_

Sample Team: \_\_\_\_\_

### Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:

Sacode: \_\_\_\_\_

Lot Control#: \_\_\_\_\_

Comments: B2551, B2553 & B2554 3 pt composite

### Sketch Location:

location has been surveyed - see map.

Logged BY / Date: 8.18.10 / KCC

Reviewed BY / Date: E. McDonough / 8/30/10



# Sample Collection Log

118166 - Redstone- PBC  
Manager: Jack Keolsch

RFA / COC Number: PEF08182010 - S - ELAB

Location Code: E183-CS170  
Sample Number: PEF0185  
Sample Name: E183-CS170-DS-PEF0185-REG  
Sampling Method: GRAB  
Sample Type: DS Sample Purpose: REG  
Sampling Equip: SS Spoon

Task: 118166  
Collection Date: 8/17/10  
Collection Time: 12:05  
Start Depth: 1'  
End Depth: 2' BGS  
Sample Matrix: SOIL  
Sample Team: MG

QC Partners:  
(TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:  
Sacode: \_\_\_\_\_  
Lot Control#: \_\_\_\_\_

Comments: A05 TS2 + TS5  
2-point composite

Sketch Location:  
already surveyed

Logged BY / Date: Emily Jameson 8/18/10

Reviewed BY / Date: E. McDonough 8/30/10





# Sample Collection Log

118166 - Redstone- PBC  
Manager: Jack Keolsch

RFA / COC Number: PEF08182010-S-ELAB

Location Code: E183-CS170

Task: 118166

Sample Number: PEF0186

Collection Date: 8/17/10

Sample Name: E183-CS170-DS-PEF0186-FD

Collection Time: 12:05

Sampling Method: GRAB

Start Depth: 1' BGS

Sample Type: DS

Sample Purpose: FD

End Depth: 2'

Sampling Equip: SS Spoon

Sample Matrix: SOIL

QC Partners:

(TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_

Sample Team: ME

### Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
ARSENIC	N	A	I	4	oz	CWM

ERPIMS Values:

Sacode: \_\_\_\_\_

Lot Control#: \_\_\_\_\_

Comments: A05 TS2 + TS5

2 part composite

Sketch Location:

already surveyed

Logged BY / Date: Emily Cameron 8/18/10

Reviewed BY / Date: E. McDonough 8/30/10



# Sample Collection Log

118166 - Redstone- PBC  
Manager: Jack Keolsch

RFA / COC Number: PEF08182010-S-ELAB

Location Code: E183-CS171  
Sample Number: PEF0187  
Sample Name: E183-CS171-DS-PEF0187-REG  
Sampling Method: GRAB  
Sample Type: DS Sample Purpose: REG  
Sampling Equip: SSSpoon  
QC Partners: \_\_\_\_\_  
(TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_

Task: 118166  
Collection Date: 8/17/10  
Collection Time: 1030  
Start Depth: 1'  
End Depth: 2' Bgs  
Sample Matrix: SOIL  
Sample Team: MG

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:  
Sacode: \_\_\_\_\_  
Lot Control#: \_\_\_\_\_

Comments: B15 W 1

Sketch Location:

Logged BY / Date: E. McDonough 8/18/10

Reviewed BY / Date: E. McDonough 8/30/10





# Sample Collection Log

118166 - Redstone- PBC  
Manager: Jack Keolsch

RFA / COC Number: PEF08182010-S-ELAB

Location Code: **E183-CS171**

Task: **118166**

Sample Number: **PEF0187-MSD**

Collection Date: 8/17/10

Sample Name: **E183-CS171-DS-PEF0187-MSD**

Collection Time: 1030

Sampling Method: **GRAB**

Start Depth: 1'

Sample Type: **DS**

Sample Purpose: **MSD**

End Depth: 2' BGS

Sampling Equip: SS spoon

Sample Matrix: **SOIL**

QC Partners:

(TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_

Sample Team: MG

### Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:

Sacode: \_\_\_\_\_

Lot Control#: \_\_\_\_\_

Comments: B15 W 1

Sketch Location:

Logged BY / Date: Emig Jones 8/18/10

Reviewed BY / Date: E. McDonough 8/30/10



# Sample Collection Log

118166 - Redstone- PBC

Manager: Jack Keolsch

RFA / COC Number: PEF08182010-S-ELAB

Location Code: **E183-CS172**

Task: **118166**

Sample Number: **PEF0188**

Collection Date: 8/17/10

Sample Name: **E183-CS172-DS-PEF0188-REG**

Collection Time: 1118

Sampling Method: **GRAB**

Start Depth: 1' BGS

Sample Type: **DS**

Sample Purpose: **REG**

End Depth: 2'

Sampling Equip: SS spoon

Sample Matrix: **SOIL**

QC Partners:

Sample Team: MG

(IB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_

### Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:

Sacode: \_\_\_\_\_

Lot Control#: \_\_\_\_\_

Comments: A18 TEL

Sketch Location:

Logged BY / Date: [Signature] 8/18/10

Reviewed BY / Date: E. McDonough 8/30/10



# Sample Collection Log

118166 - Redstone- PBC  
Manager: Jack Keolsch

RFA / COC Number: PEF08182010-S-ELAB

Location Code: E183-CS173  
Sample Number: PEF0189  
Sample Name: E183-CS173-DS-PEF0189-REG  
Sampling Method: GRAB  
Sample Type: DS Sample Purpose: REG  
Sampling Equip: SS Spoon  
QC Partners: (TB) \_\_\_\_\_ (FR) \_\_\_\_\_ (FB) \_\_\_\_\_

Task: 118166  
Collection Date: 8/17/10  
Collection Time: 11:20  
Start Depth: 1'  
End Depth: 2' BGS  
Sample Matrix: SOIL  
Sample Team: MG

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:  
Sacode: \_\_\_\_\_  
Lot Control#: \_\_\_\_\_

Comments: A02 TE4

Sketch Location:

Logged BY / Date: Em Jones 8/18/10 Reviewed BY / Date: E. McDonough 8/30/10



# Sample Collection Log

118166 - Redstone- PBC  
Manager: Jack Keolsch

RFA / COC Number: PEF08182010-S-ELAB

Location Code: E183-CS174

Task: 118166

Sample Number: PEF0190

Collection Date: 8/17/10

Sample Name: 0E183-CS174-DS-PEF0190-REG

Collection Time: 1020

Sampling Method: GRAB

Start Depth: 1' BES

Sample Type: DS Sample Purpose: REG

End Depth: 2' BES

Sampling Equip: SS spoon

Sample Matrix: SOIL

QC Partners:

Sample Team: MG

(TB) (ER) (FB)

### Containers

ERPIMS Values:

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
ARSENIC	N	A	1	4	oz	CWM

Sacode:

Lot Control#:

Comments: B12 TS

Sketch Location: Location has been surveyed - see map

Logged BY / Date: Emily Cameron 8/18/10 Reviewed BY / Date: E. McDonough 8/30/10



# Sample Collection Log

118166 - Redstone- PBC  
Manager: Jack Keolsch

RFA / COC Number: PEF08182010-S-ELAB

Location Code: E183-CS175  
Sample Number: PEF0191  
Sample Name: E183-CS175-DS-PEF0191-REG  
Sampling Method: GRAB  
Sample Type: DS Sample Purpose: REG  
Sampling Equip: SS Spoon  
QC Partners: \_\_\_\_\_  
(TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_

Task: 118166  
Collection Date: 8/17/10  
Collection Time: 1230  
Start Depth: 1' BGS  
End Depth: 2  
Sample Matrix: SOIL  
Sample Team: ED

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:  
Sacode: \_\_\_\_\_  
Lot Control#: \_\_\_\_\_

Comments: A 12 TSS

Sketch Location: Location has been surveyed - see map

Logged BY / Date: Emily Jameson 8/18/10 Reviewed BY / Date: E. McDonough 8/30/10





# Sample Collection Log

118166 - Redstone- PBC  
Manager: Jack Keolsch

RFA / COC Number: PEF08182010-S-ELAB

Location Code: E183-CS176

Task: 118166

Sample Number: PEF0192

Collection Date: 8/17/10

Sample Name: E183-CS176-DS-PEF0192-REG

Collection Time: 1125

Sampling Method: GRAB

Start Depth: 1'

Sample Type: DS

Sample Purpose: REG

End Depth: 2' BGS

Sampling Equip: SS spoon

Sample Matrix: SOIL

QC Partners:

(TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_

Sample Team: ED

### Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
ARSENIC	N	A	I	4	oz	CWM

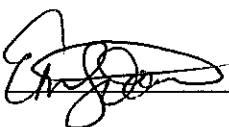
ERPIMS Values:

Sacode: \_\_\_\_\_

Lot Control#: \_\_\_\_\_

Comments: AØ1 TE4

Sketch Location: Location has been surveyed - see map

Logged BY/ Date:  8/18/10 Reviewed BY/ Date: E. McDonough 8/30/10



# Sample Collection Log

118166 - Redstone- PBC  
Manager: Jack Keolsch

RFA / COC Number: PEF08182010-S-ELAB

Location Code: E183-CS177

Task: 118166

Sample Number: PEF0193

Collection Date: 8/17/10

Sample Name: E183-CS177-DS-PEF0193-REG

Collection Time: 1150

Sampling Method: GRAB

Start Depth: 1' BAG

Sample Type: DS Sample Purpose: REG

End Depth: 2'

Sampling Equip: SS spoon

Sample Matrix: SOIL

QC Partners:

Sample Team: MG

(TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_

### Containers

ERPIMS Values:

Analytical Suite	Flt	Frtm	Qty	Size	Units	Type
ARSENIC	N	A	1	4	oz	CWM

Sacode: \_\_\_\_\_

Lot Control#: \_\_\_\_\_

Comments: AØ3 W3

Sketch Location: Location has been surveyed - see map

Logged BY/ Date: E. McDonough 8/18/10

Reviewed BY/ Date: E. McDonough 8/30/10



# Sample Collection Log

118166 - Redstone- PBC  
Manager: Jack Keolsch

RFA / COC Number: PEF08182010-S-ELAB

Location Code: E183-CS191<sup>177</sup>  
Sample Number: PEF0209-MS<sup>193</sup>  
Sample Name: E183-CS191-DS-PEF0209-MS<sup>193</sup>  
Sampling Method: GRAB<sup>177</sup>  
Sample Type: DS Sample Purpose: MS  
Sampling Equip: SS spoon  
QC Partners: (TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_

Task: 118166  
Collection Date: 8/17/10  
Collection Time: 1150  
Start Depth: 1'  
End Depth: 2' BGS  
Sample Matrix: SOIL  
Sample Team: MG

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:  
Sacode: \_\_\_\_\_  
Lot Control#: \_\_\_\_\_

Comments: AΦ3 W3

Sketch Location: Location has been surveyed - see map

Logged BY/ Date: ED 8/18/10

Reviewed BY/ Date: E. McDonough 8/30/10



# Sample Collection Log

118166 - Redstone- PBC  
Manager: Jack Keolsch

RFA / COC Number: PEF08182010-S-ELAB

Location Code: E183-CS191<sup>177</sup>  
Sample Number: PEF0209-MSD<sup>193</sup>  
Sample Name: E183-CS191-DS-PEF0209-MSD<sup>177 193</sup>  
Sampling Method: GRAB  
Sample Type: DS Sample Purpose: MSD  
Sampling Equip: SS SPOON

Task: 118166  
Collection Date: 8/17/10  
Collection Time: 1150  
Start Depth: 5' BGS  
End Depth: \_\_\_\_\_  
Sample Matrix: SOIL  
Sample Team: MG

QC Partners: \_\_\_\_\_  
(TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:  
Sacode: \_\_\_\_\_  
Lot Control#: \_\_\_\_\_

Comments: A03 W3

Sketch Location: Location has been surveyed - see map

Logged BY/ Date: ED 8/18/10

Reviewed BY/ Date: E. McDonough 8/30/10



# Sample Collection Log

118166 - Redstone- PBC  
Manager: Jack Keolsch

RFA / COC Number: PEF08182010-S-ELAB

Location Code: E183-CS178  
Sample Number: PEF0194  
Sample Name: E183-CS178-DS-PEF0194-REG  
Sampling Method: GRAB  
Sample Type: DS Sample Purpose: REG  
Sampling Equip: SS spoon

Task: 118166  
Collection Date: 8/17/10  
Collection Time: 1140  
Start Depth: 1'  
End Depth: 2' BGS  
Sample Matrix: SOIL

QC Partners:

(TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_

Sample Team: ED

### Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:

Sacode: \_\_\_\_\_

Lot Control#: \_\_\_\_\_

Comments: A12 TNY

Sketch Location: Location has been surveyed - see map

Logged BY / Date: ED 8/18/10

Reviewed BY / Date: E. McDonough 8/30/10



# Sample Collection Log

118166 - Redstone- PBC  
Manager: Jack Keolsch

RFA / COC Number: PEF08182010-S-ELAB

Location Code: E183-CS179  
Sample Number: PEF0195  
Sample Name: E183-CS179-DS-PEF0195-REG  
Sampling Method: GRAB  
Sample Type: DS Sample Purpose: REG  
Sampling Equip: SS Spoon  
QC Partners: \_\_\_\_\_  
(TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_

Task: 118166  
Collection Date: 8/17/10  
Collection Time: 1225  
Start Depth: 1'  
End Depth: 2' BGS  
Sample Matrix: SOIL  
Sample Team: ED

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:  
Sacode: \_\_\_\_\_  
Lot Control#: \_\_\_\_\_

Comments: A10 TW 2

Sketch Location: Location has been surveyed - see map

Logged BY / Date: ED 8/18/10

Reviewed BY / Date: E. McDonough 8/30/10



# Sample Collection Log

118166 - Redstone- PBC

Manager: Jack Keolsch

RFA / COC Number: PEF08182010-S-ELAB

Location Code: **E183-CS180**

Sample Number: **PEF0196**

Sample Name: **E183-CS180-DS-PEF0196-REG**

Sampling Method: **GRAB**

Sample Type: **DS**

Sample Purpose: **REG**

Sampling Equip: SS spoon

QC Partners:

(TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_

Task: **118166**

Collection Date: 8/17/10

Collection Time: 1130

Start Depth: 1' BGS

End Depth: 2

Sample Matrix: **SOIL**

Sample Team: MG

### Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:

Sacode: \_\_\_\_\_

Lot Control#: \_\_\_\_\_

Comments: Aφ2 TW2

Sketch Location: Location has been surveyed - see map

Logged BY/ Date: ED 8/18/10

Reviewed BY/ Date: E. McDonough 8/30/10



# Sample Collection Log

118166 - Redstone- PBC  
Manager: Jack Keolsch

RFA / COC Number: PEF08182010-S-ELAB

Location Code: **E183-CS180**

Task: **118166**

Sample Number: **PEF0197**

Collection Date: 8/17/10

Sample Name: **E183-CS180-DS-PEF0197-FD**

Collection Time: 1130

Sampling Method: **GRAB**

Start Depth: 1' BAGS

Sample Type: **DS** Sample Purpose: **FD**

End Depth: 2

Sampling Equip: JS spoon

Sample Matrix: **SOIL**

QC Partners:  
(TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_

Sample Team: MG

### Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:  
Sacode: \_\_\_\_\_  
Lot Control#: \_\_\_\_\_

Comments: A#2 TW2

Sketch Location: Location has been surveyed - see map

Logged BY/ Date: ED 8/18/10

Reviewed BY/ Date: E. McDonough 8/30/10





# Sample Collection Log

118166 - Redstone- PBC  
Manager: Jack Keolsch

RFA / COC Number: PEF08182010-S-ELAB

Location Code: E183-CS181  
Sample Number: PEF0198  
Sample Name: E183-CS181-DS-PEF0198-REG  
Sampling Method: GRAB  
Sample Type: DS Sample Purpose: REG  
Sampling Equip: SS spoon  
QC Partners: \_\_\_\_\_  
(TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_

Task: 118166  
Collection Date: 8/17/10  
Collection Time: 1420  
Start Depth: 1' BES  
End Depth: 2'  
Sample Matrix: SOIL  
Sample Team: MG

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:  
Sacode: \_\_\_\_\_  
Lot Control#: \_\_\_\_\_

Comments: B | 5 E

Sketch Location: Location has been surveyed - see map

Logged BY / Date: ED 8/18/10

Reviewed BY / Date: E. McDonough 8/30/10



# Sample Collection Log

118166 - Redstone- PBC

Manager: Jack Keolsch

RFA / COC Number: PEF08182010-S-ELAB

Location Code: E183-CS182

Task: 118166

Sample Number: PEF0199

Collection Date: 8/17/10

Sample Name: E183-CS182-DS-PEF0199-REG

Collection Time: 1055

Sampling Method: GRAB

Start Depth: 1'

Sample Type: DS

Sample Purpose: REG

End Depth: 2' BES

Sampling Equip: SS spoon

Sample Matrix: SOIL

QC Partners:

(TB)

(ER)

(FB)

Sample Team: MG

### Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
ARSENIC	N	A	I	4	oz	CWM

ERPIMS Values:

Sacode: \_\_\_\_\_

Lot Control#: \_\_\_\_\_

Comments: B29 TS 1 + TS 2

Sketch Location:

Location has been surveyed - see map

Logged BY / Date: ED 8/18/10

Reviewed BY / Date: E. McDonough 8/30/10



# Sample Collection Log

118166 - Redstone- PBC  
Manager: Jack Keolsch

RFA / COC Number: PEF08182010-S-ELAB

Location Code: E183-CS183

Task: 118166

Sample Number: PEF0200

Collection Date: 8/17/10

Sample Name: E183-CS183-DS-PEF0200-REG

Collection Time: 1200

Sampling Method: GRAB

Start Depth: 1' BES

Sample Type: DS Sample Purpose: REG

End Depth: 2'

Sampling Equip: SS Spoon

Sample Matrix: SOIL

QC Partners:

Sample Team: ED

(TB) (ER) (FB)

### Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
ARSENIC	N	A	1	4	oz	CWM

ERPIMS Values:

Sacode:

Lot Control#:

Comments: AØ4S3

### Sketch Location:

Location has been surveyed - see map

Logged BY / Date: ED 8/18/10

Reviewed BY / Date: E. McDonough 8/30/10

# Sample Collection Log

**118166 - Redstone- PBC**  
Manager: Steve Moran

g.m.

PEF06092010-S-ELAB

RFA / COC Number: ~~PEF06092010-S-ELAB~~

Location Code: **E183-SPL02**  
 Sample Number: **PEF9002**  
 Sample Name: **E183-SPL02-SO-PEF9002-REG**  
 Sampling Method: **HA**  
 Sample Type: **SO**      Sample Purpose: **REG**  
 Sampling Equip: Hand auger  
 QC Partners:  
 (TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_

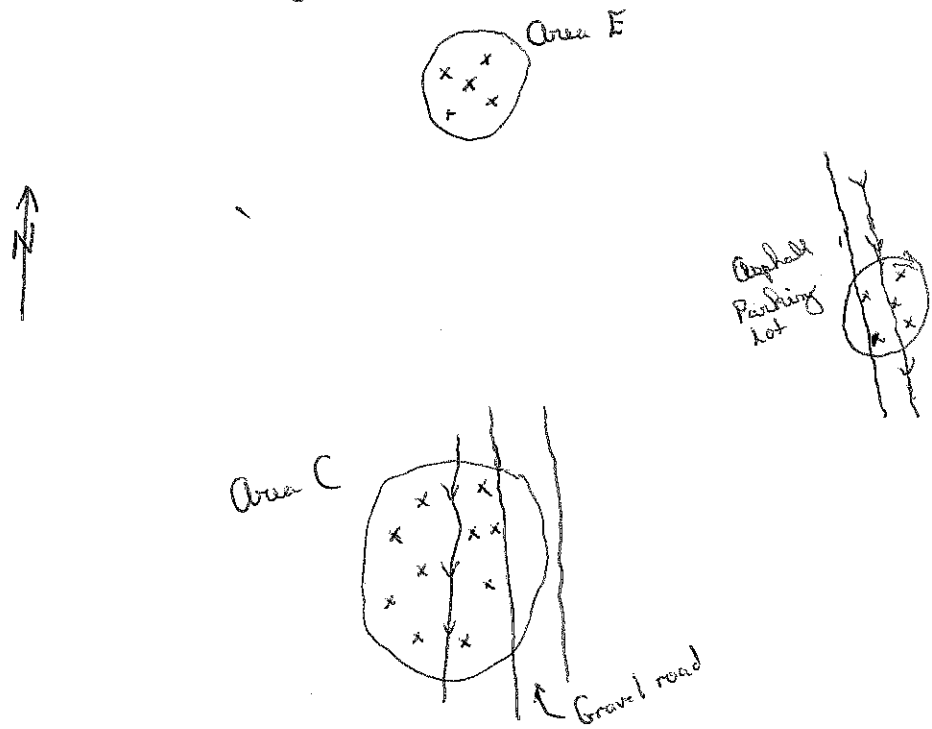
Task: **118166**  
 Collection Date: 7 June 10  
 Collection Time: 0950  
 Start Depth: 0' bgs  
 End Depth: 1'  
 Sample Matrix: **SOIL**  
 Sample Team: ML/ML

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
TCLP METAL	N	A	1	4	oz	CWMG

ERPIMS Values:  
 Sacode: \_\_\_\_\_  
 Lot Control#: \_\_\_\_\_

Comments: Field ID <sup>183</sup> ~~A-EFTCLP~~ Field ID <sup>183</sup> ~~CEFTCLP~~  
ML  
Composite sample collected from Area C, E, F, Area D of user

Sketch Location: covered by gravel.



Logged BY / Date: ML 7 June 10

Reviewed BY / Date: Emily Cameron 6/17/10



# Sample Collection Log

118166 - Redstone- PBC  
Manager: Steve Moran

RFA / COC Number: PEF06092010-S-ELAB

Location Code: **E183-SPL03**

Task: **118166**

Sample Number: **PEF9003**

Collection Date: 4 June 10

Sample Name: **E183-SPL03-SO-PEF9003-REG**

Collection Time: 1150

Sampling Method: **HA**

Start Depth: 0' bgs

Sample Type: **SO**

Sample Purpose: **REG**

End Depth: 1'

Sampling Equip: Hand auger

Sample Matrix: **SOIL**

QC Partners:

Sample Team: ML/RR/JG

(TB) (ER) (FB)

### Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
TCLP METAL	N	A	1	4	oz	CWMG

ERPIMS Values:

Sacode: \_\_\_\_\_

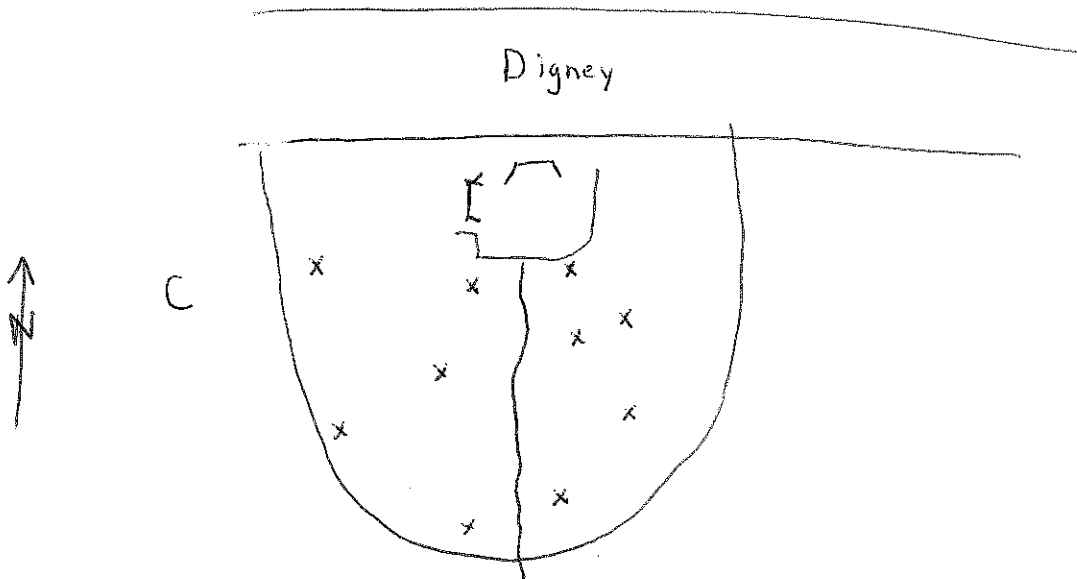
Lot Control#: \_\_\_\_\_

Comments: Field ID 183 ~~TCLP~~ <sup>ML</sup> 183 B22 TCLP

Composite of 10 sample points

### Sketch Location:

x= sample location



Logged BY / Date: ML 4 June 10

Reviewed BY / Date: Enderson <sup>6/10/10</sup>



# Sample Collection Log

**118166 - Redstone- PBC**  
Manager: Steve Moran

RFA / COC Number: PEF06092010-S-ELAB

Location Code: **E183-SPL05** Task: **118166**  
 Sample Number: **PEF9005** Collection Date: 3 June 10  
 Sample Name: **E183-SPL05-SO-PEF9005-REG** Collection Time: 1310  
 Sampling Method: **HA** Start Depth: 0' 595  
 Sample Type: **SO** Sample Purpose: **REG** End Depth: 1'  
 Sampling Equip: Hand Auger Sample Matrix: **SOIL**  
 QC Partners: \_\_\_\_\_ Sample Team: MM/RR/JG  
 (TB) (ER) (FB)

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
TCLP METAL	N	A	1	4	oz	CWMG

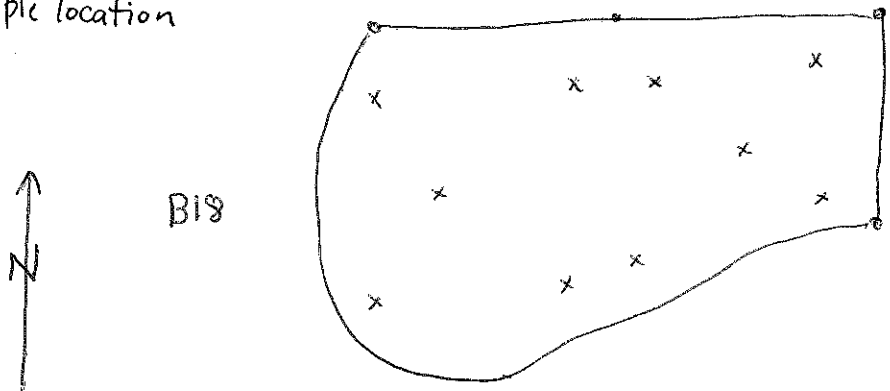
ERPIMS Values:  
 Sacode: \_\_\_\_\_  
 Lot Control#: \_\_\_\_\_

Comments: Field ID 183B18 TCLP

Composite of 10 sample points

Sketch Location:

x=sample location



Logged BY / Date: MM/RR 3 June 10

Reviewed BY / Date: Ann [Signature] 6/17/10

# Sample Collection Log

**118166 - Redstone- PBC**  
Manager: Steve Moran

RFA / COC Number: PEF 06092010-S-ELAB

Location Code: **E183-SPL06** Task: **118166**  
 Sample Number: **PEF9006** Collection Date: 3 June 10  
 Sample Name: **E183-SPL06-SO-PEF9006-REG** Collection Time: 1610  
 Sampling Method: **HA** Start Depth: 0' bgs  
 Sample Type: **SO** Sample Purpose: **REG** End Depth: 1'  
 Sampling Equip: hand auger Sample Matrix: **SOIL**  
 QC Partners: \_\_\_\_\_ Sample Team: MD/RR/JG  
 (TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
TCLP METAL	N	A	1	4	oz	CWMG

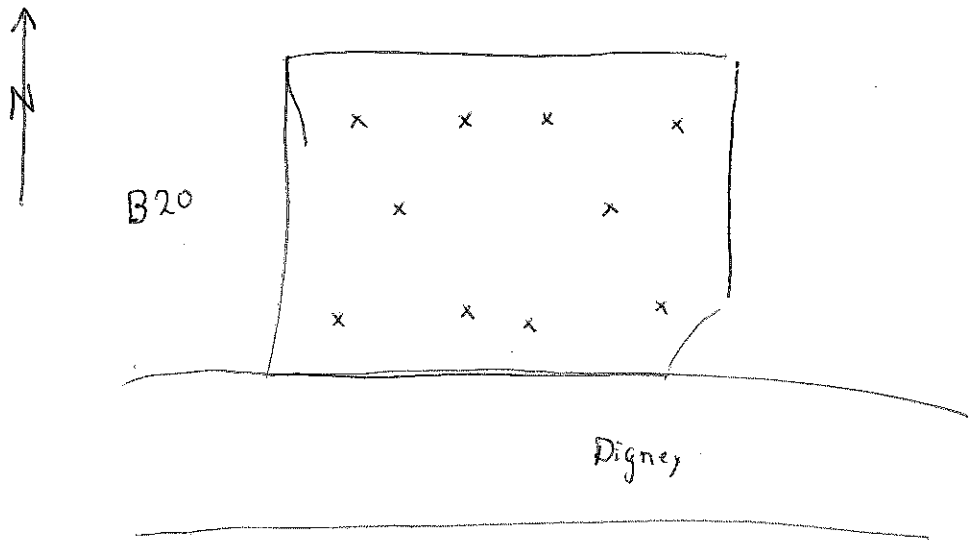
ERPIMS Values:  
 Sacode: \_\_\_\_\_  
 Lot Control#: \_\_\_\_\_

Comments: Field ID 183B20 TCLP

Composite of 10 sample points

**Sketch Location:**

x = sample location



Logged BY / Date: MDL 3 June 10

Reviewed BY / Date: Emily Jamerson 6/17/10





# Sample Collection Log

118166 - Redstone- PBC  
Manager: Steve Moran

RFA / COC Number: PEF06092010-S-ELAB

Location Code: **E183-SPL07**

Task: **118166**

Sample Number: **PEF9007**

Collection Date: 3 June 10

Sample Name: **E183-SPL07-SO-PEF9007-REG**

Collection Time: 1055

Sampling Method: **HA**

Start Depth: 0' bgs

Sample Type: **SO**

Sample Purpose: **REG**

End Depth: 1'

Sampling Equip: hand auger

Sample Matrix: **SOIL**

QC Partners:

Sample Team: MM

(TB)

(ER)

(FB)

### Containers

ERPIMS Values:

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
TCLP METAL	N	A	1	4	oz	CWMG

Sacode: \_\_\_\_\_

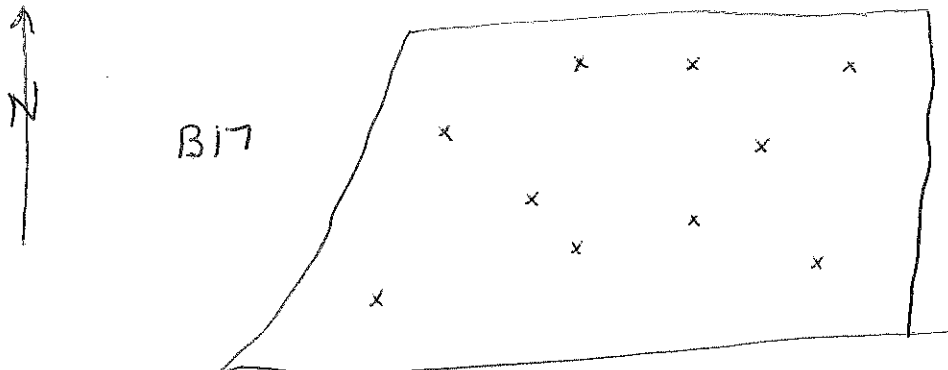
Lot Control#: \_\_\_\_\_

Comments: Field ID 183B17TCLP

Composite

### Sketch Location:

X = sample location



Logged BY / Date: MM 3 June 10

Reviewed BY / Date: Emil 6/17/10

# Sample Collection Log

**118166 - Redstone- PBC**  
Manager: Steve Moran

RFA / COC Number: PEF06112010-SELAB

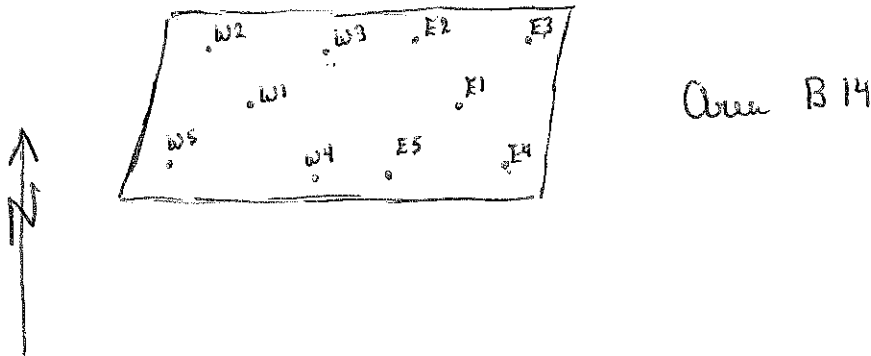
Location Code: **E183-SPL09** Task: **118166**  
 Sample Number: **PEF9009** Collection Date: 6/10/10  
 Sample Name: **E183-SPL09-SO-PEF9009-REG** Collection Time: 13:25  
 Sampling Method: **HA** Start Depth: 0' bgs  
 Sample Type: **SO** Sample Purpose: **REG** End Depth: 1'  
 Sampling Equip: Hand auger Sample Matrix: **SOIL**  
 QC Partners: \_\_\_\_\_ Sample Team: MJ/VB  
 (TB) (ER) (FB)

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
TCLP METAL	N	A	1	4	oz	CWMG

ERPIMS Values:  
 Sacode: \_\_\_\_\_  
 Lot Control#: \_\_\_\_\_

Comments: Field ID: 183-B14-TCLP  
Composite of 10 sample points

**Sketch Location:**



Logged BY / Date: MJ 10 June 10 Reviewed BY / Date: Emm [Signature] 6/17/10

# Sample Collection Log

**118166 - Redstone- PBC**  
Manager: Steve Moran

RFA / COC Number: PEF02112010-S-ELAB

Location Code: **E183-SPL10**  
 Sample Number: **PEF9010**  
 Sample Name: **E183-SPL10-SO-PEF9010-REG**  
 Sampling Method: **HA**  
 Sample Type: **SO**                      Sample Purpose: **REG**  
 Sampling Equip: Hand auger  
 QC Partners: \_\_\_\_\_  
 (TB)                                      (ER)                                      (FB)

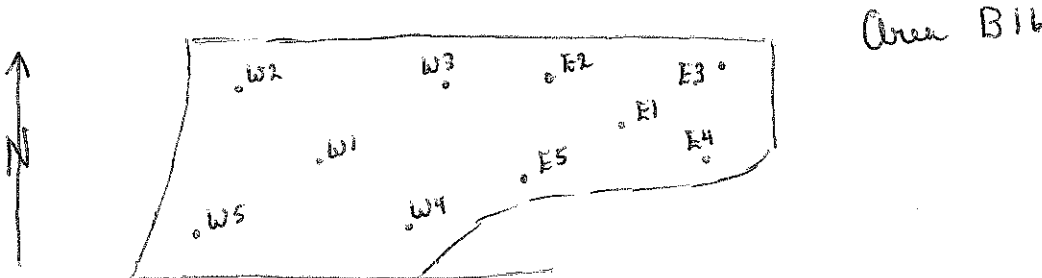
Task: **118166**  
 Collection Date: 6/10/10  
 Collection Time: 10:55  
 Start Depth: 0' bgs  
 End Depth: 1'  
 Sample Matrix: **SOIL**  
 Sample Team: MJ/VB

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
TCLP METAL	N	A	1	4	oz	CWMG

ERPIMS Values:  
 Sacode: \_\_\_\_\_  
 Lot Control#: \_\_\_\_\_

Comments: Field ID: 183-B16-TCLP  
Composed of 10 sample points

**Sketch Location:**



Logged BY / Date: M. Moran 10 June 10

Reviewed BY / Date: Emily Cameron 6/17/10

# Sample Collection Log

**118166 - Redstone- PBC**  
Manager: Steve Moran

RFA / COC Number: PEF06112010-SELAB

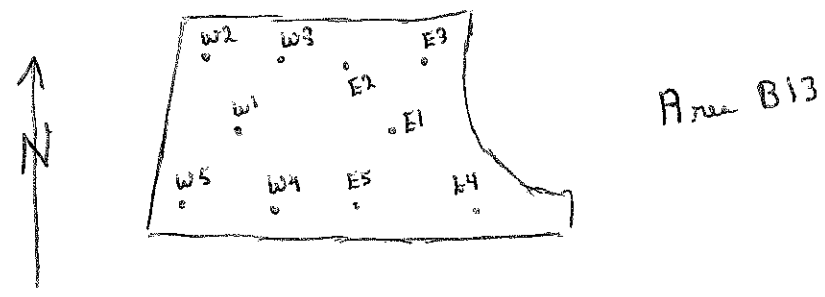
Location Code: **E183-SPL11** Task: **118166**  
 Sample Number: **PEF9011** Collection Date: 6/10/10  
 Sample Name: **E183-SPL11-SO-PEF9011-REG** Collection Time: 15:35  
 Sampling Method: **HA** Start Depth: 0'  
 Sample Type: **SO** Sample Purpose: **REG** End Depth: 1' bgs  
 Sampling Equip: Hand auger Sample Matrix: **SOIL**  
 QC Partners: \_\_\_\_\_ Sample Team: MG  
 (TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
TCLP METAL	N	A	1	4	oz	CWMG

ERPIMS Values:  
 Sacode: \_\_\_\_\_  
 Lot Control#: \_\_\_\_\_

Comments: Field ID: 183-B13 TCLP  
Composite of 10 sample points

**Sketch Location:**



Logged BY / Date: M. G. [Signature] 10 June 10

Reviewed BY / Date: [Signature] 6/17/10

# Sample Collection Log

**118166 - Redstone- PBC**  
Manager: Steve Moran

RFA / COC Number: PEF0112010-S-ELAB

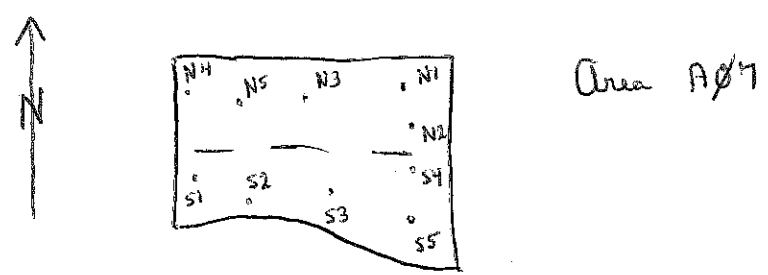
Location Code: **E183-SPL12**  
 Sample Number: **PEF9012**  
 Sample Name: **E183-SPL12-SO-PEF9012-REG**  
 Sampling Method: **HA**  
 Sample Type: **SO**      Sample Purpose: **REG**  
 Sampling Equip: Hand auger  
 QC Partners: (TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_  
 Task: **118166**  
 Collection Date: 6/8/10  
 Collection Time: 11:15  
 Start Depth: 0'  
 End Depth: 1' bgs  
 Sample Matrix: **SOIL**  
 Sample Team: MJM / WBE/M

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
TCLP METAL	N	A	1	4	oz	CWMG

ERPIMS Values:  
 Sacode: \_\_\_\_\_  
 Lot Control#: \_\_\_\_\_

Comments: Field ID: 183-A07TCLP  
Composite of 10 sample points

Sketch Location:



Logged BY / Date: MJM 8 June 10

Reviewed BY / Date: Eric Panewitz 6/17/10



# Sample Collection Log

118166 - Redstone- PBC  
Manager: Steve Moran

RFA / COC Number: PEF0612010-SELAD

Location Code: **E183-SPL13**

Task: **118166**

Sample Number: **PEF9013**

Collection Date: 6/8/10

Sample Name: **E183-SPL13-SO-PEF9013-REG**

Collection Time: 10:25

Sampling Method: **HA**

Start Depth: 0' bgs

Sample Type: **SO**

Sample Purpose: **REG**

End Depth: 1' bgs

Sampling Equip: Hand auger

Sample Matrix: **SOIL**

QC Partners:

(TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_

Sample Team: MJL / EMM

### Containers

ERPIMS Values:

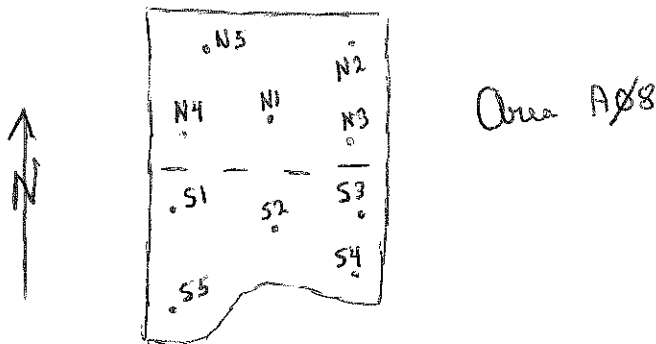
Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
TCLP METAL	N	A	1	4	oz	CWMG

Sacode: \_\_\_\_\_

Lot Control#: \_\_\_\_\_

Comments: Field ID: 183-AØ8 TCLP  
Composite of 10 sample points

### Sketch Location:



Logged BY / Date: M. G. 8 June 10

Reviewed BY / Date: Emy Davison 6/17/10



# Sample Collection Log

118166 - Redstone- PBC

Manager: Steve Moran

RFA / COC Number: PEF06162010-S-Elab

Location Code: E183-SPL14

Task: 118166

Sample Number: PEF9014

Collection Date: 6-14-10

Sample Name: E183-SPL14-SO-PEF9014-REG

Collection Time: 1330

Sampling Method: HA

Start Depth: 0' bgs

Sample Type: SO Sample Purpose: REG

End Depth: 1'

Sampling Equip: Hand auger

Sample Matrix: SOIL

QC Partners:

Sample Team: RR/JG/OA/VB

(TB) (ER) (FB)

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
TCLP METAL	N	A	1	4	oz	CWMG

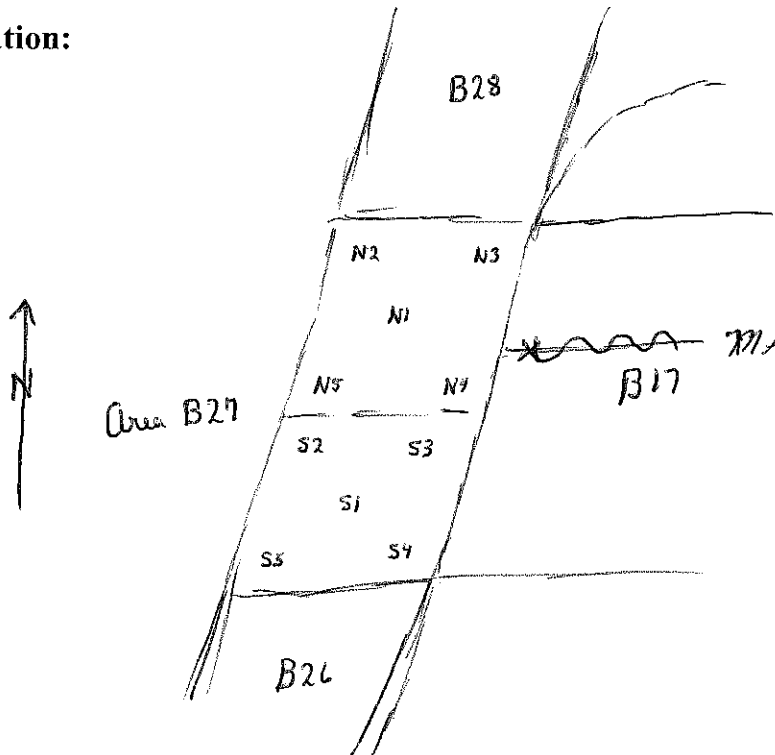
ERPIMS Values:

Sacode: \_\_\_\_\_

Lot Control#: \_\_\_\_\_

Comments: 183-B27 TCLP 0-1  
10 Composite sample ptr

Sketch Location:



Logged BY / Date: MR Miller 14 June 10

Reviewed BY / Date: Bill 6/16/10



# Sample Collection Log

118166 - Redstone- PBC

Manager: Steve Moran

RFA / COC Number: PEF 06162010-S-Elab

Location Code: **E183-SPL15**

Sample Number: **PEF9015**

Sample Name: **E183-SPL15-SO-PEF9015-REG**

Sampling Method: **HA**

Sample Type: **SO**

Sample Purpose: **REG**

Sampling Equip: Hand auger

QC Partners:

(TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_

Task: **118166**

Collection Date: 6-14-10

Collection Time: 1505

Start Depth: 0' bgs

End Depth: 1'

Sample Matrix: **SOIL**

Sample Team: RR/JC/CA/vB

**Containers**

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
TCLP METAL	N	A	1	4	oz	CWMG

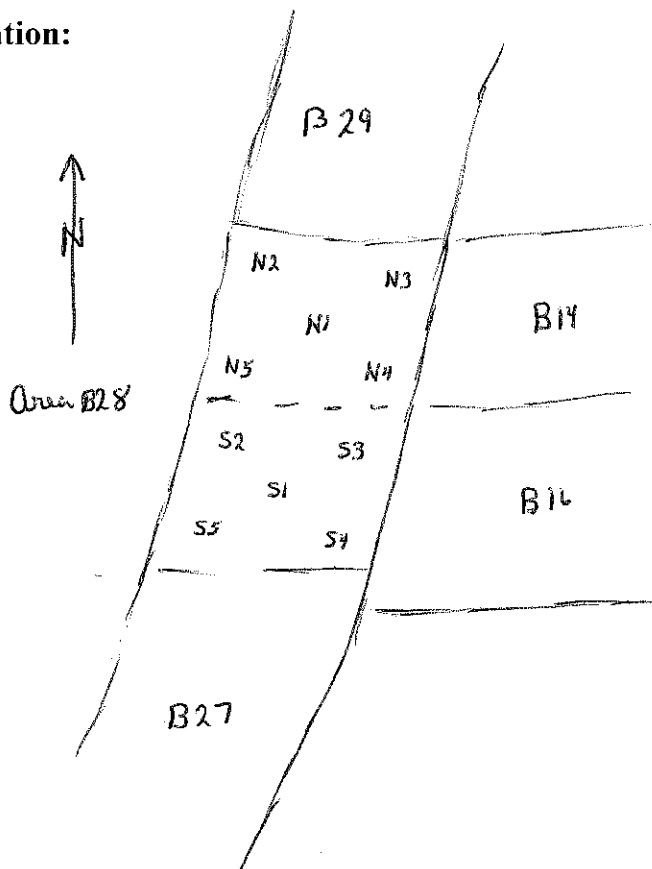
ERPIMS Values:

Sacode: \_\_\_\_\_

Lot Control#: \_\_\_\_\_

Comments: 183-B28 TCLP 0-1  
Composite of 10 sample points

**Sketch Location:**



Logged BY / Date: M. [Signature] 14 June 10

Reviewed BY / Date: B. [Signature] 6/16/10





# Sample Collection Log

**118166 - Redstone- PBC**  
 Manager: Steve Moran

RFA / COC Number: PEF06162010-S-E1A6

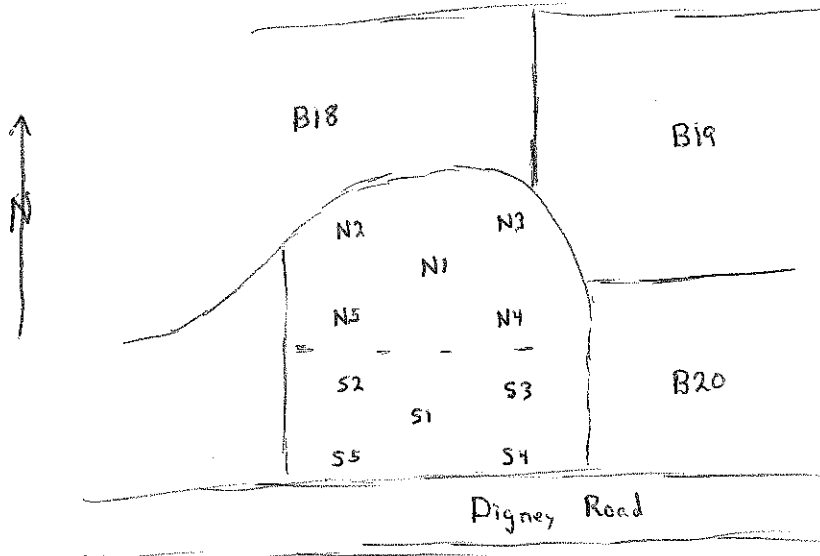
Location Code: **E183-SPL16** Task: **118166**  
 Sample Number: **PEF9016** Collection Date: 6-14-10  
 Sample Name: **E183-SPL16-SO-PEF9016-REG** Collection Time: 1010  
 Sampling Method: **HA** Start Depth: 0' bgs  
 Sample Type: **SO** Sample Purpose: **REG** End Depth: 1'  
 Sampling Equip: Hand auger Sample Matrix: **SOIL**  
 QC Partners: \_\_\_\_\_ Sample Team: RR/JG/OA/VB  
 (TB) (ER) (FB)

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
TCLP METAL	N	A	1	4	oz	CWMG

ERPIMS Values:  
 Sacode: \_\_\_\_\_  
 Lot Control#: \_\_\_\_\_

Comments: 183-B30 TCLP 0-1  
Composite of 10 sample pts

**Sketch Location:**



Logged BY / Date: M. J. [Signature] 14 June 10

Reviewed BY / Date: B. D. [Signature] 6/16/10



# Sample Collection Log

**118166 - Redstone- PBC**  
 Manager: Steve Moran

RFA / COC Number: PEF06162010-S-E1A6

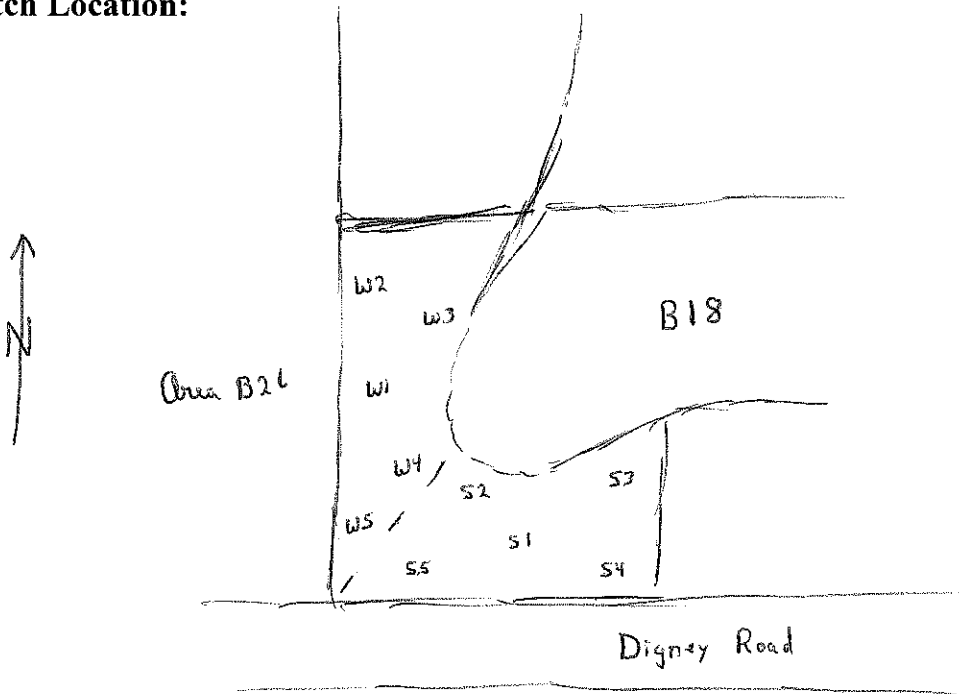
Location Code: **E183-SPL17** Task: **118166**  
 Sample Number: **PEF9017** Collection Date: 6-14-10  
 Sample Name: **E183-SPL17-SO-PEF9017-REG** Collection Time: 1115  
 Sampling Method: **HA** Start Depth: 0 bgs  
 Sample Type: **SO** Sample Purpose: **REG** End Depth: 1  
 Sampling Equip: Hand auger Sample Matrix: **SOIL**  
 QC Partners: (TB) (ER) (FB) Sample Team: RR/JG/OA/VB

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
TCLP METAL	N	A	1	4	oz	CWMG

ERPIMS Values:  
 Sacode: \_\_\_\_\_  
 Lot Control#: \_\_\_\_\_

Comments: 183-B26 TCLP 0-1  
Composite of 10 sample pts

**Sketch Location:**



Logged BY / Date: M. Geller 14 June 10

Reviewed BY / Date: Bill 6/16/10

# Sample Collection Log

**118166 - Redstone- PBC**  
Manager: Steve Moran

RFA / COC Number: PEF06162010-S-E1ab

Location Code: **E183-SPL18**

Task: **118166**

Sample Number: **PEF9018**

Collection Date: 6-14-10

Sample Name: **E183-SPL18-SO-PEF9018-REG**

Collection Time: 1600

Sampling Method: **HA**

Start Depth: 0' bgs

Sample Type: **SO**      Sample Purpose: **REG**

End Depth: 1' bgs

Sampling Equip: Hand auger

Sample Matrix: **SOIL**

QC Partners:

Sample Team: RR/JG/OA/VB

(TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_

**Containers**

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
TCLP METAL	N	A	1	4	oz	CWMG

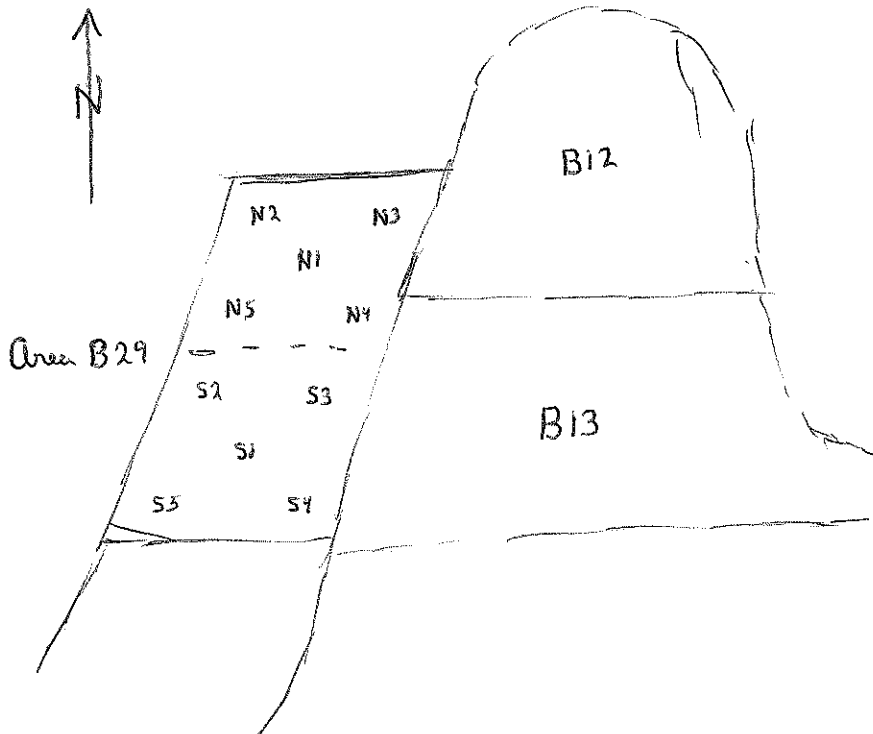
ERPIMS Values:

Sacode: \_\_\_\_\_

Lot Control#: \_\_\_\_\_

Comments: 183-B29 TCLP 0-1'  
Composite of 10 sample pts

**Sketch Location:**



Logged BY / Date: M. G. L. 14 Jun 10

Reviewed BY / Date: R. H. 6/16/10

# Sample Collection Log

**118166 - Redstone- PBC**  
Manager: Steve Moran

RFA / COC Number: PEF 06 16 2010 - S-Elab

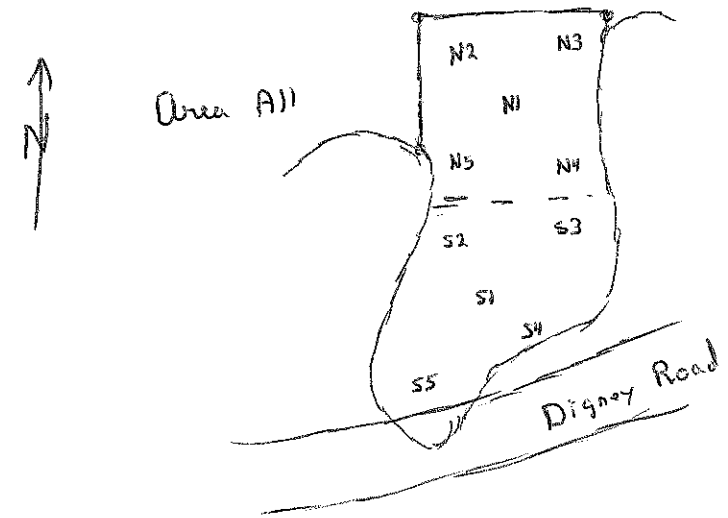
Location Code: **E183-SPL19** Task: **118166**  
 Sample Number: **PEF9019** Collection Date: 6-15-10  
 Sample Name: **E183-SPL19-SO-PEF9019-REG** Collection Time: 1140 1040  
 Sampling Method: **HA** Start Depth: 0' Dgs  
 Sample Type: **SO** Sample Purpose: **REG** End Depth: 1'  
 Sampling Equip: Hand auger Sample Matrix: **SOIL**  
 QC Partners: \_\_\_\_\_ Sample Team: RR/JG/OA/YB  
 (TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
TCLP METAL	N	A	1	4	oz	CWMG

ERPIMS Values:  
 Sacode: \_\_\_\_\_  
 Lot Control#: \_\_\_\_\_

Comments: ~~183A6~~ 183-A11 TCLP 0-1  
Composite of 10 sample pts

**Sketch Location:**



Logged BY / Date: MMH 15 June 10 Reviewed BY / Date: Bill 6/16/10

# Sample Collection Log

**118166 - Redstone- PBC**  
Manager: Steve Moran

RFA / COC Number: PEF 06162010-S-E146

Location Code: **E183-SPL20**

Task: **118166**

Sample Number: **PEF9020**

Collection Date: 6-15-10

Sample Name: **E183-SPL20-SO-PEF9020-REG**

Collection Time: 0925

Sampling Method: **HA**

Start Depth: 0' bgs

Sample Type: **SO**

Sample Purpose: **REG**

End Depth: 1'

Sampling Equip: Hand auger

Sample Matrix: **SOIL**

QC Partners:

(TB)

(ER)

(FB)

Sample Team: RR/JC/OA/VB

**Containers**

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
TCLP METAL	N	A	1	4	oz	CWMG

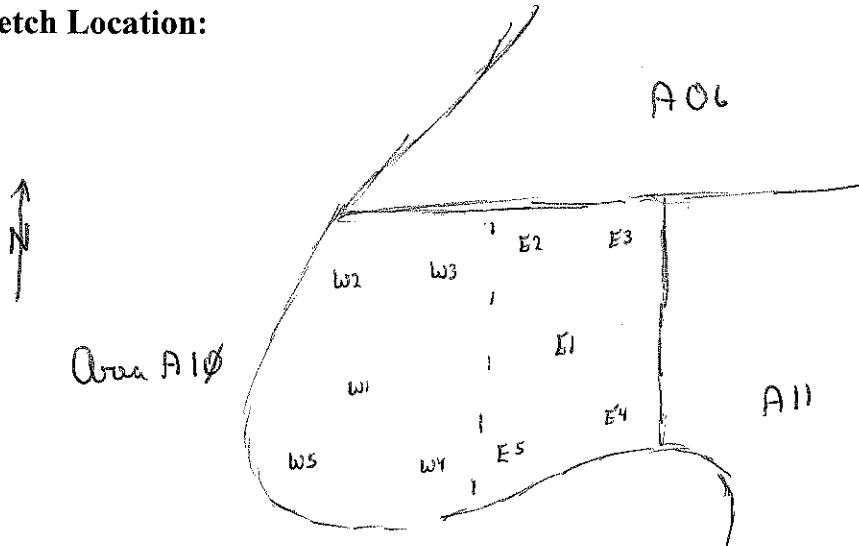
ERPIMS Values:

Sacode: \_\_\_\_\_

Lot Control#: \_\_\_\_\_

Comments: 183-A10 TCLP 0-1

**Sketch Location:**



Logged BY / Date: MM Hill 15 June 10

Reviewed BY / Date: Bill 6/16/10



# Sample Collection Log

118166 - Redstone- PBC

Manager: Steve Moran

RFA / COC Number: PEF06182010-S-E1A6

Location Code: **E183-SPL21**

Task: **118166**

Sample Number: **PEF9021**

Collection Date: 16 June 10

Sample Name: **E183-SPL21-SO-PEF9021-REG**

Collection Time: 1215

Sampling Method: **HA**

Start Depth: 0'

Sample Type: **SO**

Sample Purpose: **REG**

End Depth: 1'

Sampling Equip: Worm auger

Sample Matrix: **SOIL**

QC Partners:

Sample Team: RR/JG/OA/VB

(TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_

### Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
TCLP METAL	N	A	1	4	oz	CWMG

### ERPIMS Values:

Sacode: \_\_\_\_\_

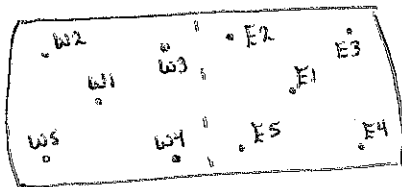
Lot Control#: \_\_\_\_\_

Comments: 183AØ2TCLP 0-1'  
top Composite of 10 sample pts

### Sketch Location:



Area A2



Logged BY / Date: M. Y. 16 June 10

Reviewed BY / Date: B-U 6/18/10



# Sample Collection Log

**118166 - Redstone- PBC**  
 Manager: Steve Moran

RFA / COC Number: PEF06182010-S-E1A6

Location Code: **E183-SPL22**

Task: **118166**

Sample Number: **PEF9022**

Collection Date: 7/15/10  
 to 15 June 10

Sample Name: **E183-SPL22-SO-PEF9022-REG**

Collection Time: 1615 1140

Sampling Method: **HA**

Start Depth: 0'

Sample Type: **SO**

Sample Purpose: **REG**

End Depth: 1'

Sampling Equip: Hand auger

Sample Matrix: **SOIL**

QC Partners:

Sample Team: RR/JG/OA/VB

(TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_

**Containers**

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
TCLP METAL	N	A	1	4	oz	CWMG

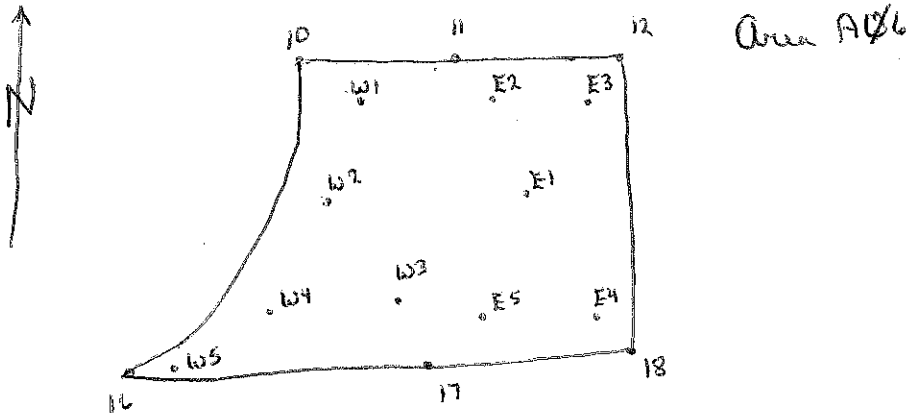
ERPIMS Values:

Sacode: \_\_\_\_\_

Lot Control#: \_\_\_\_\_

Comments: 183AØLTCLP 0-1'  
Composite of 10 sample points

**Sketch Location:**



Logged BY / Date: MML 15 June 10

Reviewed BY / Date: RM 6/18/10



# Sample Collection Log

118166 - Redstone- PBC  
Manager: Steve Moran

RFA / COC Number: PEF06182010-5-E1A6

Location Code: **E183-SPL23**

Task: **118166**

Sample Number: **PEF9023**

Collection Date: 16 June 10

Sample Name: **E183-SPL23-SO-PEF9023-REG**

Collection Time: 1040

Sampling Method: **HA**

Start Depth: 0

Sample Type: **SO**

Sample Purpose: **REG**

End Depth: 1'

Sampling Equip: Hand auger

Sample Matrix: **SOIL**

QC Partners:

Sample Team: RR/JG/OA/VB

(TB) (ER) (FB)

### Containers

ERPIMS Values:

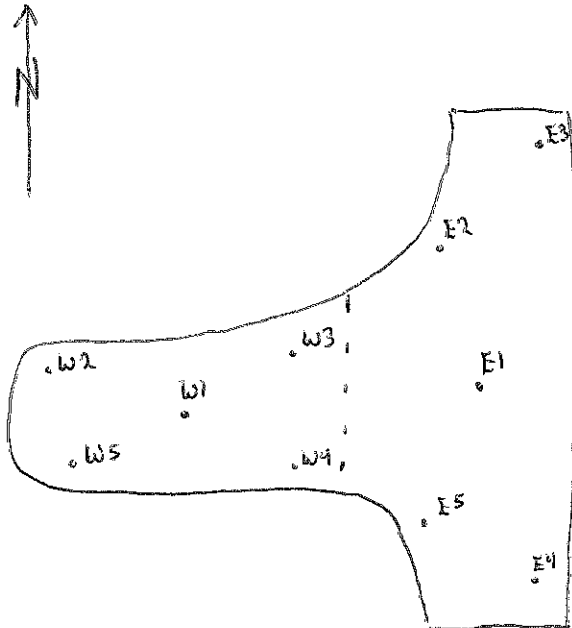
Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
TCLP METAL	N	A	1	4	oz	CWMG

Sacode: \_\_\_\_\_

Lot Control#: \_\_\_\_\_

Comments: 183A03 TCLP 0-1'  
Composite of 10 sample pts

### Sketch Location:



Area A03

Logged BY / Date: M. G. 16 June 10

Reviewed BY / Date: B. M. 6/18/10





# Sample Collection Log

118166 - Redstone- PBC

Manager: Steve Moran

RFA / COC Number: PEF 06182010 - 5-E14h

Location Code: **E183-SPL24**

Task: **118166**

Sample Number: **PEF9024**

Collection Date: 6-16-10

Sample Name: **E183-SPL24-SO-PEF9024-REG**

Collection Time: 1600

Sampling Method: **HA**

Start Depth: 0' bgs

Sample Type: **SO**

Sample Purpose: **REG**

End Depth: 1'

Sampling Equip: Hand auger

Sample Matrix: **SOIL**

QC Partners:

Sample Team: RR/JG/OA/VB

(TB) (ER) (FB)

### Containers

ERPIMS Values:

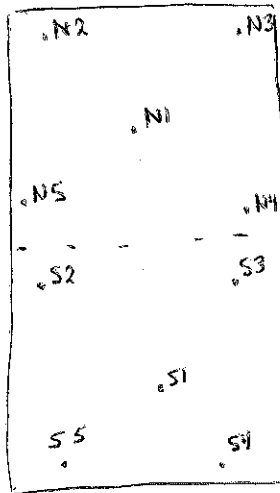
Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
TCLP METAL	N	A	1	4	oz	CWMG

Sacode:

Lot Control#:

Comments: 183-A04-TCLP 0-1  
Composite of 10 sample pts

### Sketch Location:



Area A04

Logged BY / Date: [Signature] 16 June 10

Reviewed BY / Date: [Signature] 6/18/10

# Sample Collection Log

**118166 - Redstone- PBC**

Manager: Steve Moran

RFA / COC Number: PEF06182010-S-E/46

Location Code: **E183-SPL25**

Task: **118166**

Sample Number: **PEF9025**

Collection Date: 6-17-10

Sample Name: **E183-SPL25-SO-PEF9025-REG**

Collection Time: 0900

Sampling Method: **HA**

Start Depth: 0' bgs

Sample Type: **SO**

Sample Purpose: **REG**

End Depth: 1'

Sampling Equip: Hand auger

Sample Matrix: **SOIL**

QC Partners:

(TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_ Sample Team: RR/JG/OA/VB

**Containers**

ERPIMS Values:

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
TCLP METAL	N	A	1	4	oz	CWMG

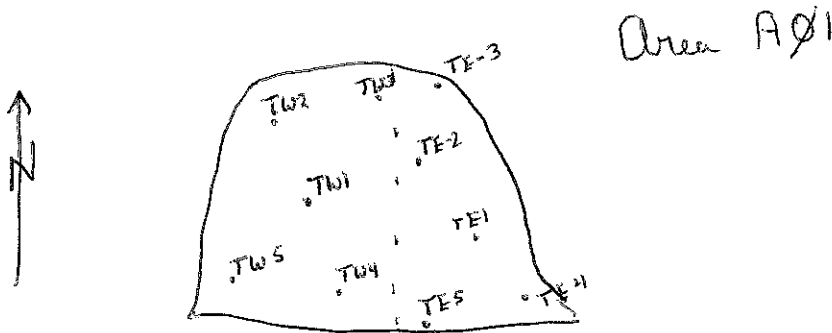
Sacode: \_\_\_\_\_

Lot Control#: \_\_\_\_\_

Comments: 183-A01-TCLP 0-1

Composite of 10 sample pts

Sketch Location:



Logged BY / Date: MMH 17 June 10

Reviewed BY / Date: Bill 6/18/10

# Sample Collection Log

**118166 - Redstone- PBC**

Manager: Steve Moran

RFA / COC Number: PEF 06182010-5-E1ab

Location Code: **E183-SPL26**

Task: **118166**

Sample Number: **PEF9026**

Collection Date: 6-17-10

Sample Name: **E183-SPL26-SO-PEF9026-REG**

Collection Time: 0900 1030

Sampling Method: **HA**

Start Depth: 0' bgs

Sample Type: **SO**

Sample Purpose: **REG**

End Depth: 1'

Sampling Equip: Hand auger

Sample Matrix: **SOIL**

QC Partners:

Sample Team: RR/JG/OA/NB

(TB)

(ER)

(FB)

**Containers**

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
TCLP METAL	N	A	1	4	oz	CWMG

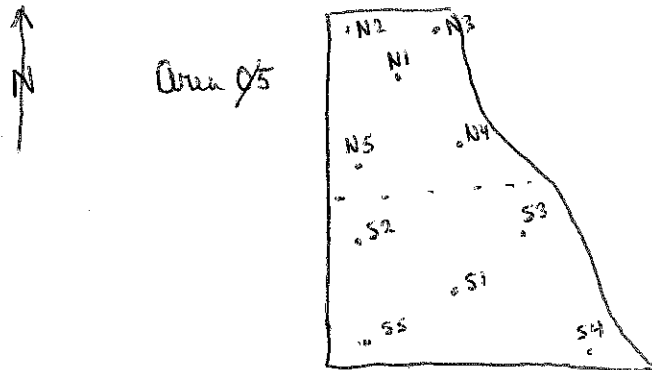
ERPIMS Values:

Sacode: \_\_\_\_\_

Lot Control#: \_\_\_\_\_

Comments: 183-A05-TCLP 0-1  
Composite of 10 sample pts

Sketch Location:



Logged BY / Date: M. G. 17 June 10

Reviewed BY / Date: B. M. 6/18/10

# Sample Collection Log

**118166 - Redstone- PBC**

Manager: Steve Moran

RFA / COC Number: PEF 06182010-5-E146

Location Code: **E183-SPL27**

Task: **118166**

Sample Number: **PEF9027**

Collection Date: 6-17-10

Sample Name: **E183-SPL27-SO-PEF9027-REG**

Collection Time: 1030 1150

Sampling Method: **HA**

Start Depth: 0' bgs

Sample Type: **SO**

Sample Purpose: **REG**

End Depth: 1'

Sampling Equip: Hand auger

Sample Matrix: **SOIL**

QC Partners:

Sample Team: RR/JG/OA/VB

(TB) \_\_\_\_\_ (ER) \_\_\_\_\_ (FB) \_\_\_\_\_

**Containers**

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
TCLP METAL	N	A	1	4	oz	CWMG

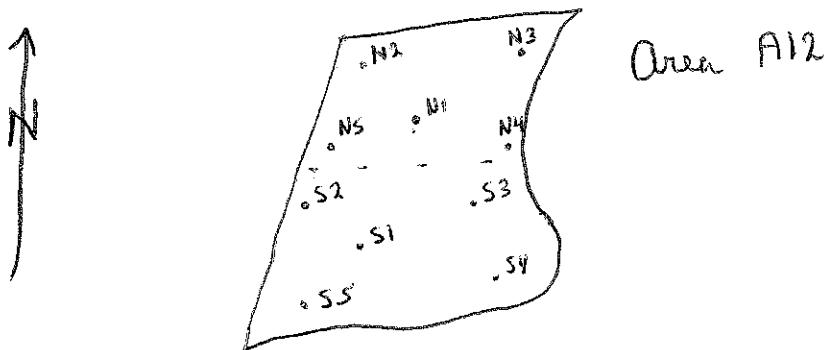
ERPIMS Values:

Sacode: \_\_\_\_\_

Lot Control#: \_\_\_\_\_

Comments: 163-AD<sup>12</sup>-TCLP 0-1  
Composite of 10 sample ptr

Sketch Location:



Logged BY / Date: M. Rich 17 June 10

Reviewed BY / Date: B.M 6/18/10



# Sample Collection Log

118166 - Redstone- PBC

Manager: Steve Moran

RFA / COC Number: PEF062410-S-EMP

Location Code: E183-SPL28

Task: 118166

Sample Number: PEF9028

Collection Date: 6-18-10

Sample Name: E183-SPL28-SO-PEF9028-REG

Collection Time: 1015

Sampling Method: HA

Start Depth: 0' bgs

Sample Type: SO

Sample Purpose: REG

End Depth: 1'

Sampling Equip: STAINLESS STEEL bowl & HAND Auger

Sample Matrix: SOIL

QC Partners:

(TB) NA (ER) NA (FB) NA

Sample Team: RR/JG

### Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
TCLP METAL	N	A	1	4	oz	CWMG

ERPIMS Values:

Sacode:

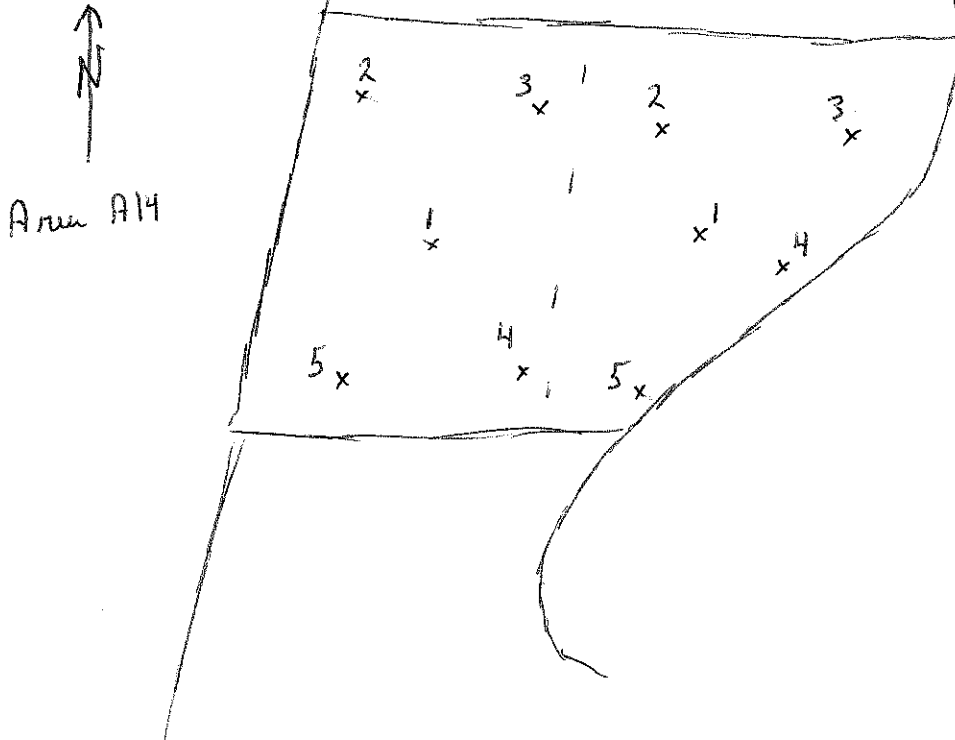
Lot Control#:

Comments: 183-A14-TCLP 0.1

Composite of 10 sample pts

### Sketch Location:

x= sample location



Logged BY / Date: M. M. L. 18 June 10

Reviewed BY / Date: DRK 6-24-10

# Sample Collection Log

**118166 - Redstone- PBC**  
Manager: Steve Moran

RFA / COC Number: PEF 062410-S-EMP

Location Code: **E183-SPL29**

Task: **118166**

Sample Number: **PEF9029**

Collection Date: 6-18-10

Sample Name: **E183-SPL29-SO-PEF9029-REG**

Collection Time: 0845

Sampling Method: **HA**

Start Depth: 0' bgs

Sample Type: **SO**

Sample Purpose: **REG**

End Depth: 1'

Sampling Equip: STAINLESS Steel Bowl + HAND Auger

Sample Matrix: **SOIL**

QC Partners:

(TB) NA (ER) NA (FB) NA

Sample Team: OA/VB

**Containers**

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
TCLP METAL	N	A	1	4	oz	CWMG

ERPIMS Values:

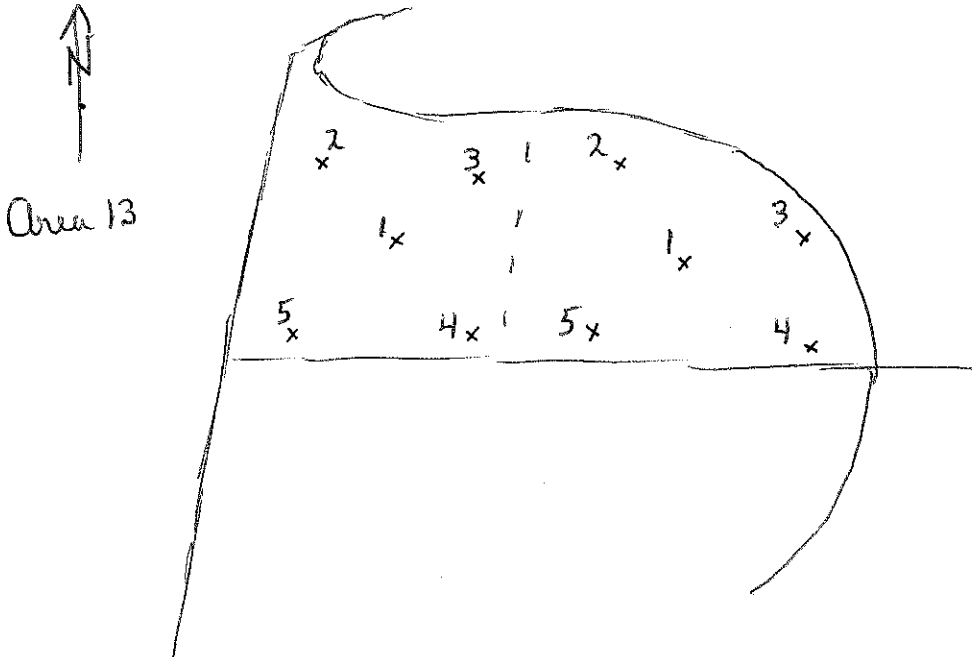
Sacode:

Lot Control#:

Comments: 183-A13-TCLP 0-1  
Composite of 10 sample pts

**Sketch Location:**

x = sample location



6-24-10

Logged BY / Date: M. Moran 18 June 10

Reviewed BY / Date: DEKA



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# Sample Collection Log

118166 - Redstone-PBC

Manager: Steve Moran

RFA / COC Number: PEF062410-S-EMP

Location Code: E183-SPL30

Sample Number: PEF9030

Sample Name: E183-SPL30-SO-PEF9030-REG

Sampling Method: HA

Sample Type: SO

Sample Purpose: REG

Sampling Equip: STAINLESS STEEL BOWL & HAND AUGER

QC Partners:

(TB) DA (ER) NA (FB) NA

Task: 118166

Collection Date: 6-18-10

Collection Time: 1150

Start Depth: 0' bgs

End Depth: 1'

Sample Matrix: SOIL

Sample Team: OA/VB

### Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
TCLP METAL	N	A	1	4	oz	CWMG

ERPIMS Values:

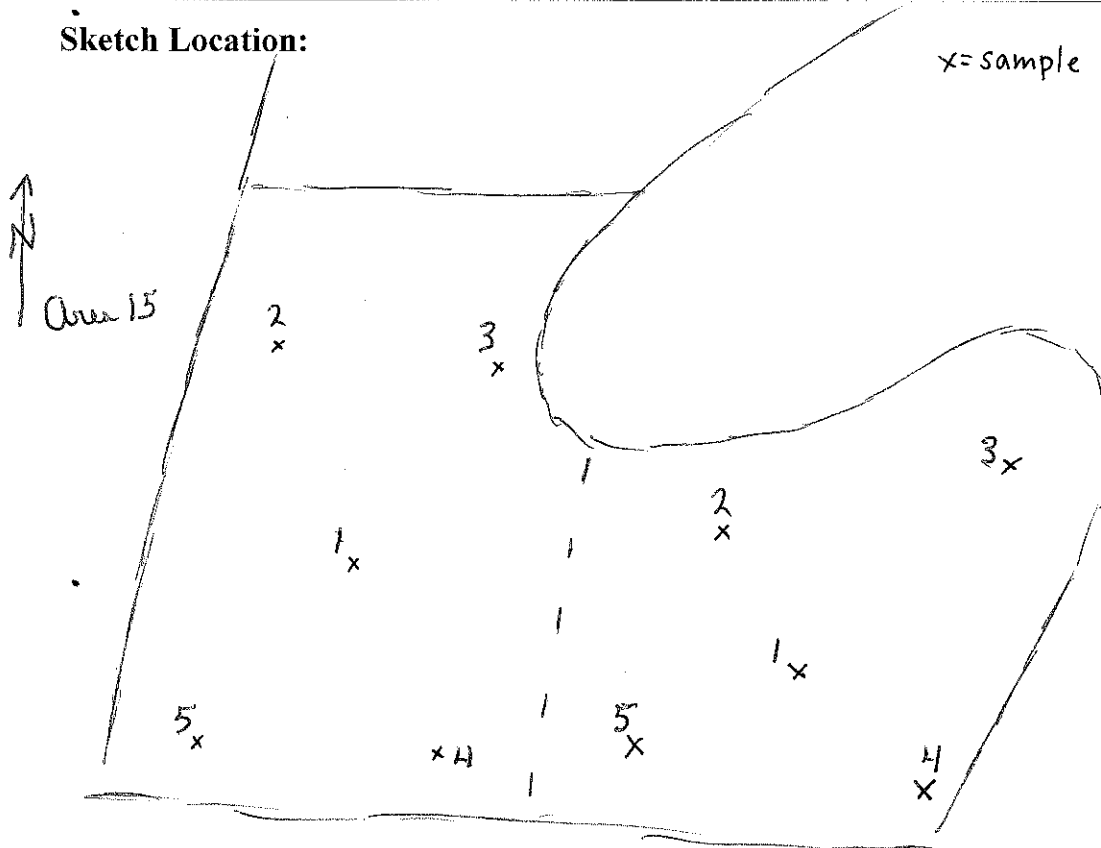
Sacode:

Lot Control#:

Comments: 183-A15-TCLP 0-1  
Composite of 10 sample pts

### Sketch Location:

x=sample location



6-24-10

Logged BY / Date: M. G. [Signature] 18 June 10

Reviewed BY / Date: DEK [Signature]

# Sample Collection Log

**118166 - Redstone- PBC**  
Manager: Steve Moran

RFA / COC Number: PEF062410-S-EMP

Location Code: E183-SPL31 Task: 118166  
 Sample Number: PEF9031 Collection Date: 6-22-10  
 Sample Name: E183-SPL31-SO-PEF9031-REG Collection Time: 0900  
 Sampling Method: HA Start Depth: 0' bgs  
 Sample Type: SO Sample Purpose: REG End Depth: 1'  
 Sampling Equip: STAINLESS Steel bowl ← HAND Auger Sample Matrix: SOIL  
 QC Partners: (TB) JA (ER) JA (FB) NA Sample Team: OA/VB

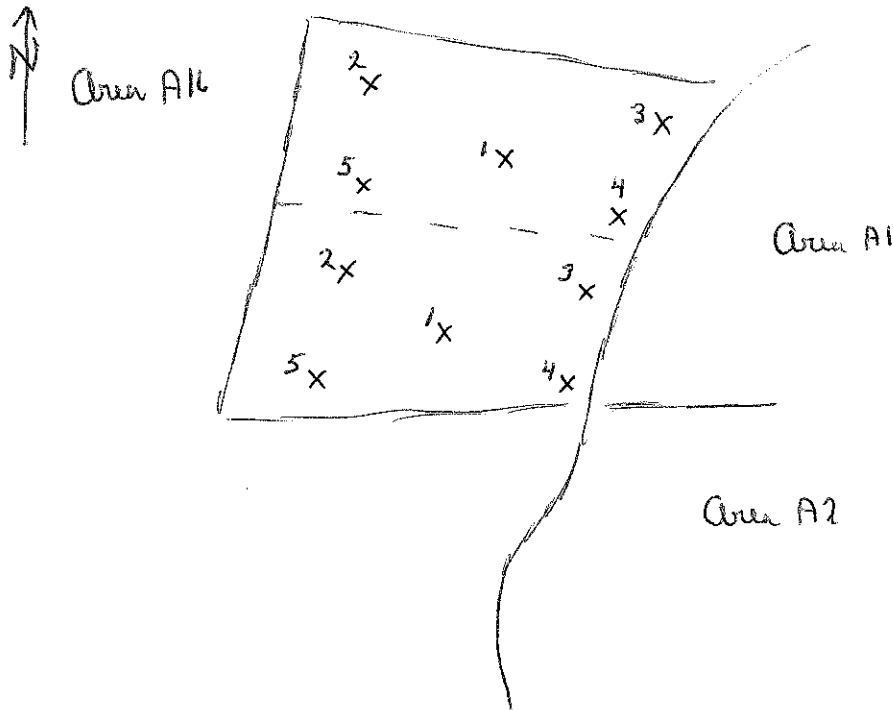
Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
TCLP METAL	N	A	I	4	oz	CWMG

ERPIMS Values:  
 Sacode: \_\_\_\_\_  
 Lot Control#: \_\_\_\_\_

Comments: 183-A16-TCLP 0-1  
Composite of 10 sample pts

**Sketch Location:**

X = sample location



Logged BY / Date: M. G. L. 22 Jun 10

Reviewed BY / Date: 6-24-10  
DeK





Shaw E & I, Inc.

# Sample Collection Log

118166 - Redstone-PBC

Manager: Steve Moran

RFA / COC Number: PEF062410-S-EMP

Location Code: E183-SPL32

Sample Number: PEF9032

Sample Name: E183-SPL32-SO-PEF9032-REG

Sampling Method: HA

Sample Type: SO

Sample Purpose: REG

Sampling Equip: STAINLESS Steel Bowl + Auger

QC Partners:

(TB) NA (ER) NA (FB) NA

Task: 118166

Collection Date: 6-22-10

Collection Time: 1030

Start Depth: 0' bgs

End Depth: 1'

Sample Matrix: SOIL

Sample Team: OA/YB

### Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
TCLP METAL	N	A	1	4	oz	CWMG

ERPIMS Values:

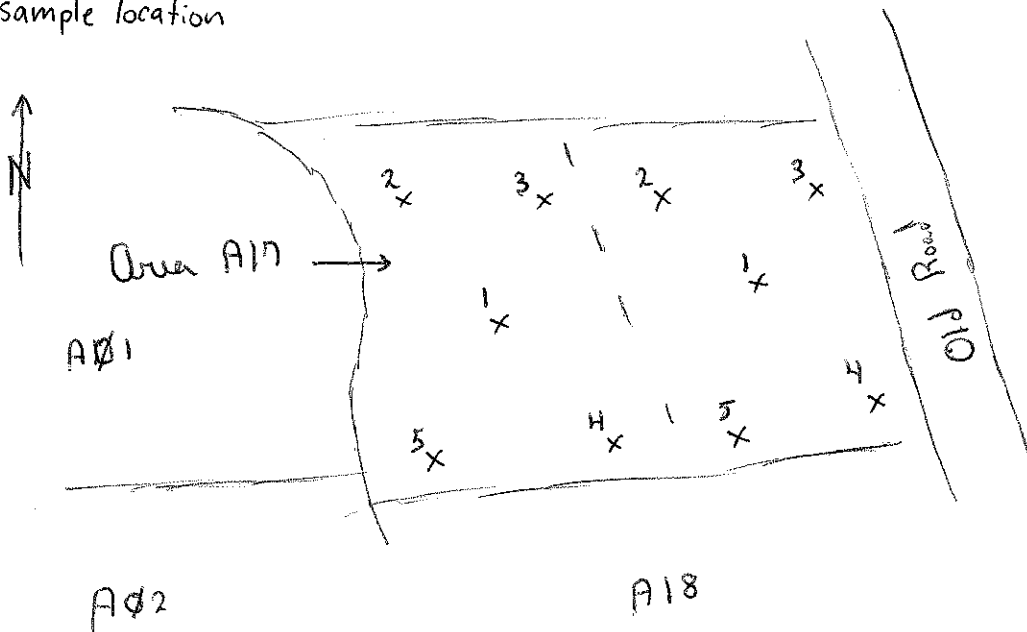
Sacode:

Lot Control#:

Comments: 183-A17-TCLP 0-1  
Composite of 10 sample pts

### Sketch Location:

X=sample location



Logged BY/ Date: M. Hely 22 Jun 10

Reviewed BY/ Date: 6-24-10 DOK



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# Sample Collection Log

118166 - Redstone- PBC

Manager: Steve Moran

RFA / COC Number: PEF062410-S-EMA

Location Code: E183-SPL33

Task: 118166

Sample Number: PEF9033

Collection Date: 6-22-10

Sample Name: E183-SPL33-SO-PEF9033-REG

Collection Time: 1315

Sampling Method: HA

Start Depth: 0' bgs

Sample Type: SO

Sample Purpose: REG

End Depth: 1'

Sampling Equip: Hand auger

Sample Matrix: SOIL

QC Partners:

(TB) (ER) (FB)

Sample Team: OA/VB

### Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
TCLP METAL	N	A	1	4	oz	CWMG

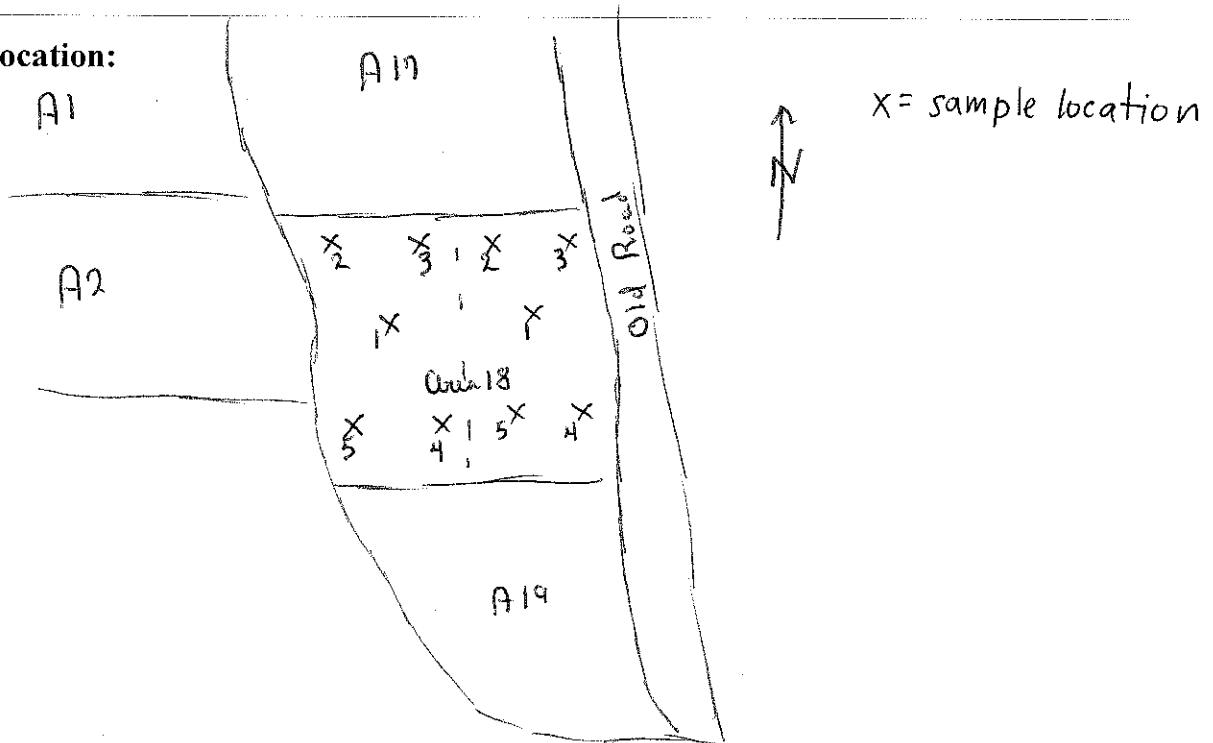
ERPIMS Values:

Sacode:

Lot Control#:

Comments: 183-A18-TCLP 0-1  
Composite of 10 sample ph

Sketch Location:



6-24-10

Logged BY / Date: M. Hill 22 June 10

Reviewed BY / Date: DOK



Shaw E & I, Inc.

# Sample Collection Log

118166 - Redstone- PBC

Manager: Steve Moran

RFA / COC Number: PEF062410-S-EMP

Location Code: E183-SPL34

Sample Number: PEF9034

Sample Name: E183-SPL34-SO-PEF9034-REG

Sampling Method: HA

Sample Type: SO

Sample Purpose: REG

Sampling Equip: STAINLESS Steel Bowl & Hand Auger

QC Partners:

(TB) NA (ER) NA (FB) NA

Task: 118166

Collection Date: 6-22-10

Collection Time: 1505

Start Depth: 0' bgs

End Depth: 1'

Sample Matrix: SOIL

Sample Team: OA/VB

### Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
TCLP METAL	N	A	1	4	oz	CWMG

ERPIMS Values:

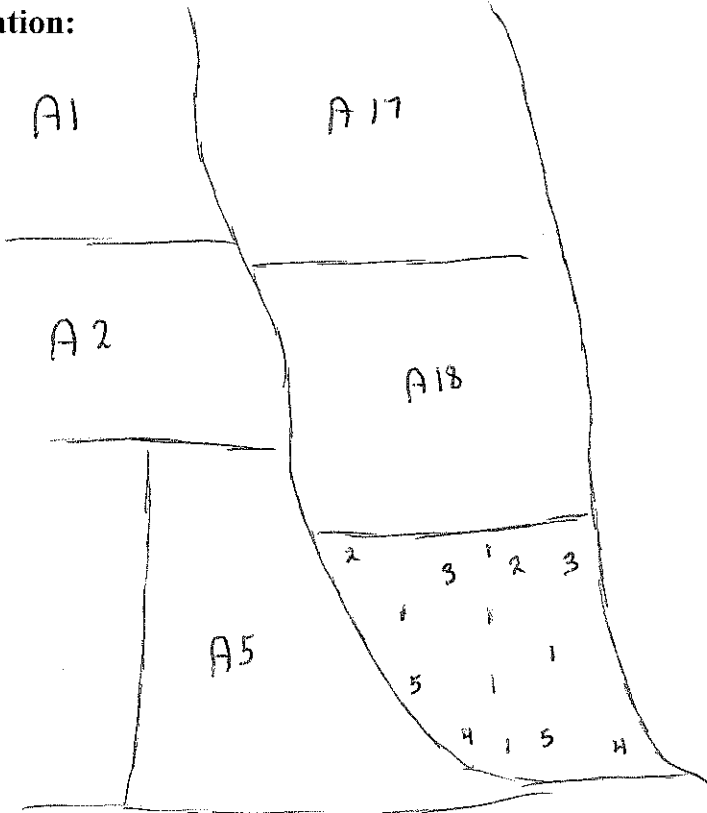
Sacode:

Lot Control#:

Comments: 183-A19-TCLP 0-1

Composite of 10 sample pts

Sketch Location:



Logged BY / Date: MSL 22 Jun 10

Reviewed BY / Date: OEIC 6-24-10



# Sample Collection Log

118166 - Redstone-PBC

Manager: Steve Moran

RFA / COC Number: PEF062410-S-EMF

Location Code: E183-SPL35

Task: 118166

Sample Number: PEF9035

Collection Date: 6-23-10

Sample Name: E183-SPL35-SO-PEF9035-REG

Collection Time: 1040

Sampling Method: HA

Start Depth: 0' bgs

Sample Type: SO

Sample Purpose: REG

End Depth: 1'

Sampling Equip: STAINLESS STEEL bowl + Auger

Sample Matrix: SOIL

QC Partners:

(TB) NA (ER) NA (FB) NA

Sample Team: OA/VB

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
TCLP METAL	N	A	I	4	oz	CWMG

ERPIMS Values:

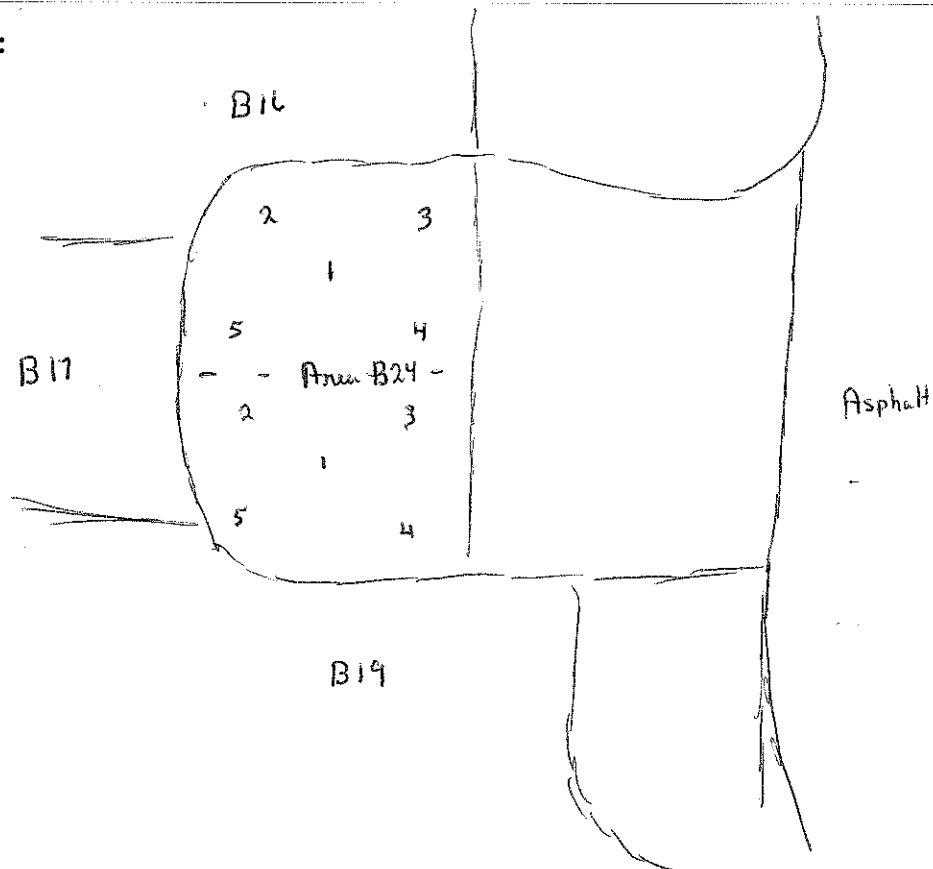
Sacode:

Lot Control#:

Comments: 183-B24-TCLP 0-1

Composite of 10 sample pts.

Sketch Location:



Logged BY / Date: M. G. L. 23 June 10

Reviewed BY / Date: DEK 6-24-10



# Sample Collection Log

118166 - Redstone- PBC  
 Manager: Steve Moran

RFI / COC Number: PEFD62410-S-EMP

Location Code: E183-SPL36

Task: 118166

Sample Number: PEF9036

Collection Date: 6-23-10

Sample Name: E183-SPL36-SO-PEF9036-REG

Collection Time: 1140

Sampling Method: HA

Start Depth: 0' bgs

Sample Type: SO

Sample Purpose: REG

End Depth: 1'

Sampling Equip: STAINLESS STEEL bowl + auger

Sample Matrix: SOIL

QC Partners:

(TB) NA (ER) NA (FB) NA

Sample Team: OA/VP

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
TCLP METAL	N	A	1	4	oz	CWMG

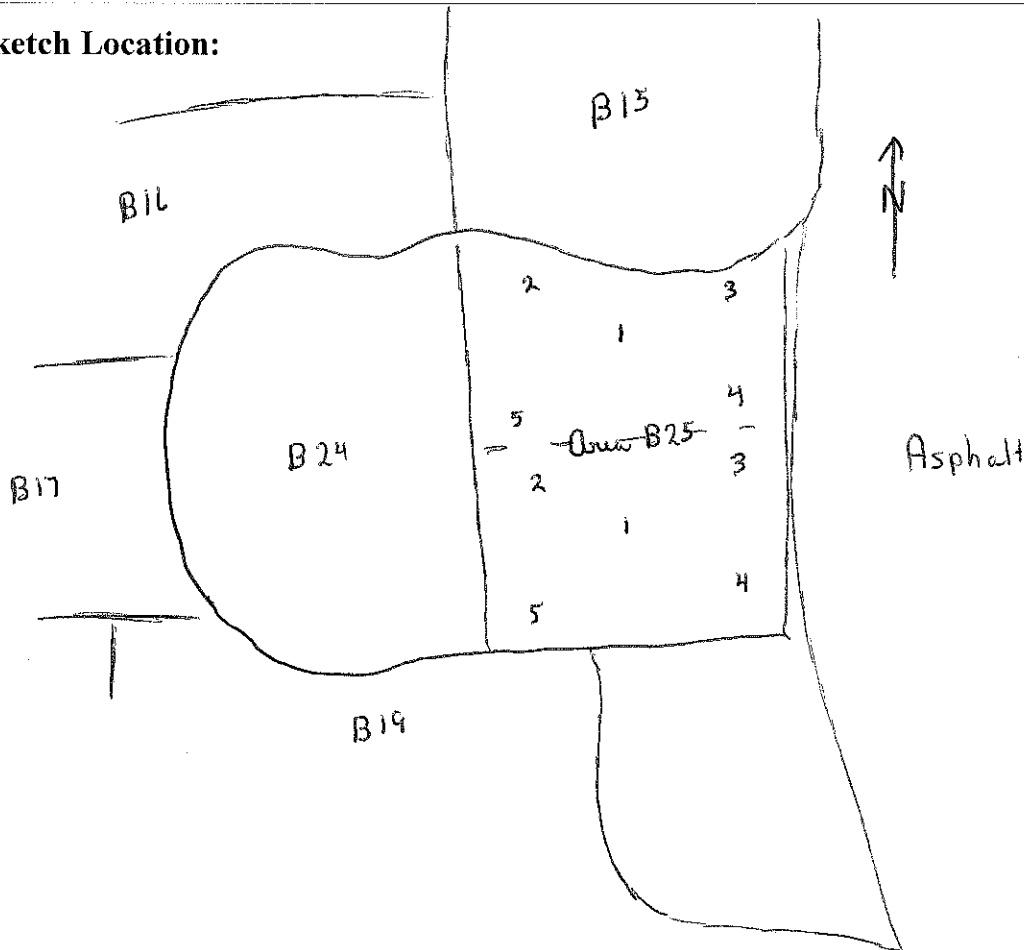
ERPIMS Values:

Sacode:

Lot Control#:

Comments: 183-B25-TCLP 0-1  
Composite of 10 sample pts

Sketch Location:



Logged BY / Date: M. G. 23 June 10

Reviewed BY / Date: DeK 6-24-10

# Sample Collection Log

**118166 - Redstone- PBC**  
Manager: Steve Moran

RFA / COC Number: PEF062410-S-EMP

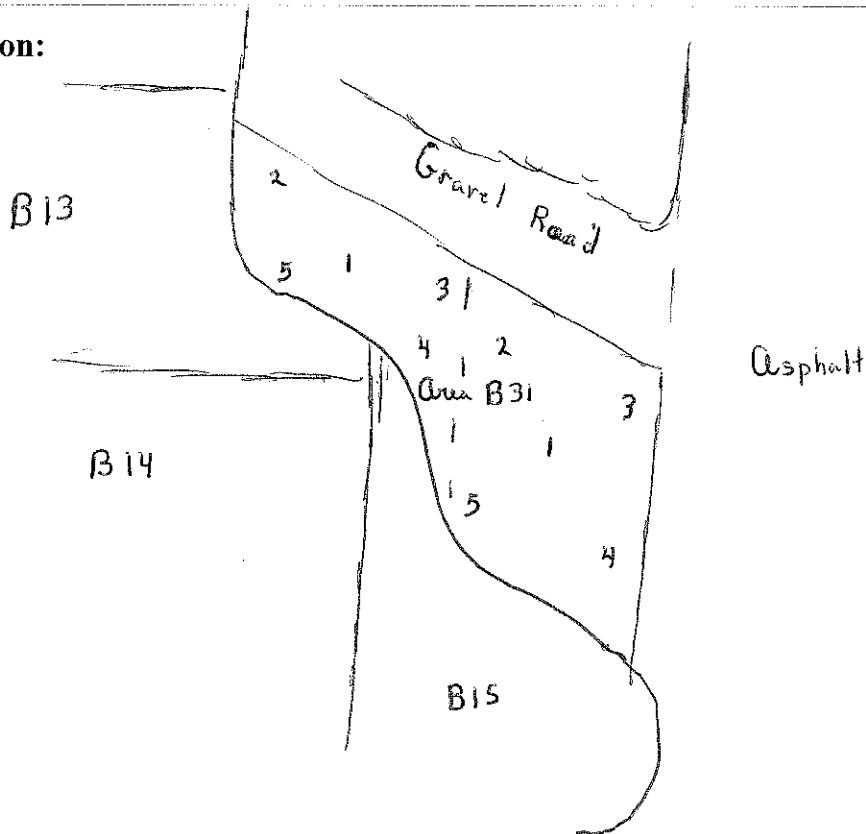
Location Code: **E183-SPL37** Task: **118166**  
 Sample Number: **PEF9037** Collection Date: 6-23-10  
 Sample Name: **E183-SPL37-SO-PEF9037-REG** Collection Time: 1610  
 Sampling Method: **HA** Start Depth: 0' bgs  
 Sample Type: **SO** Sample Purpose: **REG** End Depth: 1'  
 Sampling Equip: STAINLESS STEEL bowl + Auger Sample Matrix: **SOIL**  
 QC Partners: (TB) MA (ER) MA (FB) MA Sample Team: OA/VB

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
TCLP METAL	N	A	1	4	oz	CWMG

ERPIMS Values:  
 Sacode: \_\_\_\_\_  
 Lot Control#: \_\_\_\_\_

Comments: 183-B31-TCLP

Sketch Location:



Logged BY / Date: MGL 23 June 10

Reviewed BY / Date: DOX 6-24-10

# Sample Collection Log

**118166 - Redstone- PBC**

Manager: Steve Moran

REA / COC Number: PEF-062410-S-EMP

Location Code: **E183-SPL38**

Sample Number: **PEF9038**

Sample Name: **E183-SPL38-SO-PEF9038-REG**

Sampling Method: **HA**

Sample Type: **SO**

Sample Purpose: **REG**

Sampling Equip: STAINLESS STEEL bowl + Auger

QC Partners:

(TB) NA (ER) NA (FB) NA

Task: **118166**

Collection Date: 6-23-10

Collection Time: 1440

Start Depth: 0' bgs

End Depth: 1'

Sample Matrix: **SOIL**

Sample Team: OA/vB

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
TCLP METAL	N	A	1	4	oz	CWMG

ERPIMS Values:

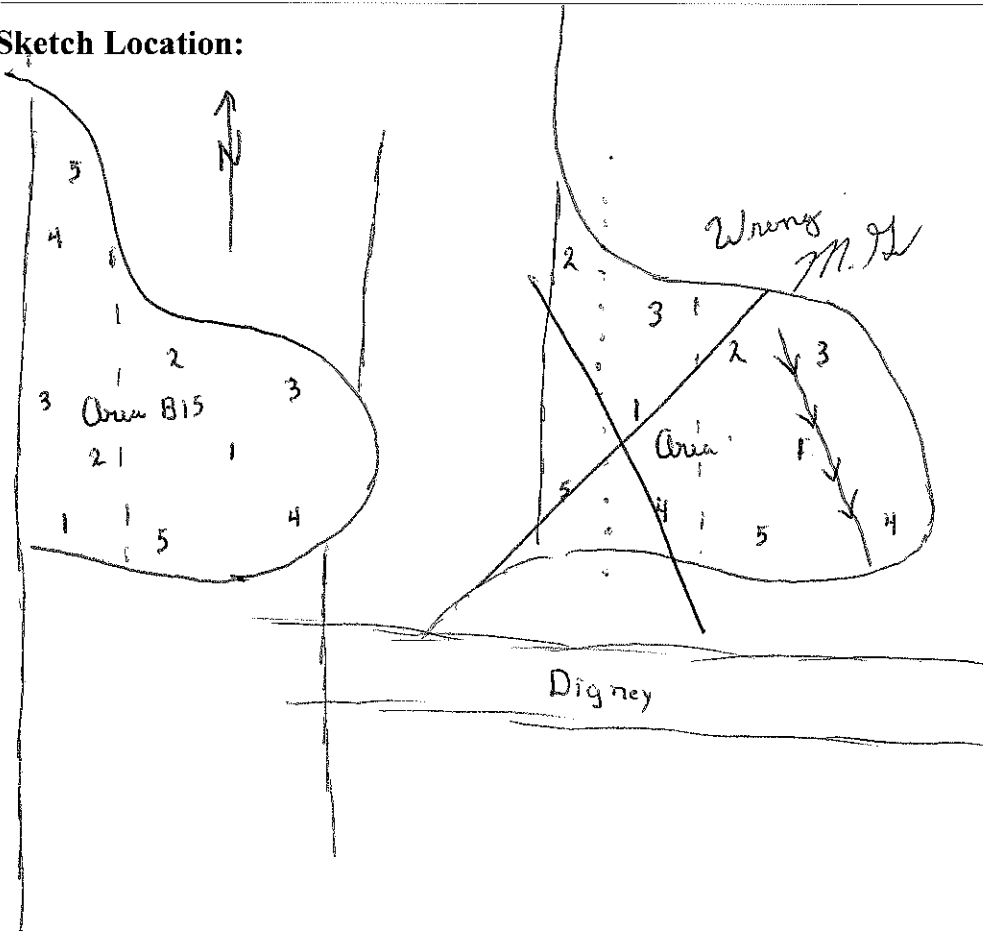
Sacode: \_\_\_\_\_

Lot Control#: \_\_\_\_\_

Comments: 183-B15-TCLP 0-1

Composite of 10 sample points

Sketch Location:



Logged BY / Date: M. H. 23 Jun 10

Reviewed BY / Date: Oek 6-24-10

# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: PEF063010-S-EMP

Location Code: **E183-SPL39**  
 Sample Number: **PEF9039**  
 Sample Name: **E183-SPL39-SO-PEF9039-REG**  
 Sampling Method: **HA**  
 Sample Type: **SO**                      Sample Purpose: **REG**  
 Equip: Hand auger

Task: **118166**  
 Collection Date: **24-JUN-10**  
 Collection Time: **11:15**  
 Start Depth: **0**  
 End Depth: **1**  
 Sample Matrix: **SOIL**  
 Sample Team: **VB/JOA**

**Containers**

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
TCLP METAL	N	A	1	4	oz	CWMG

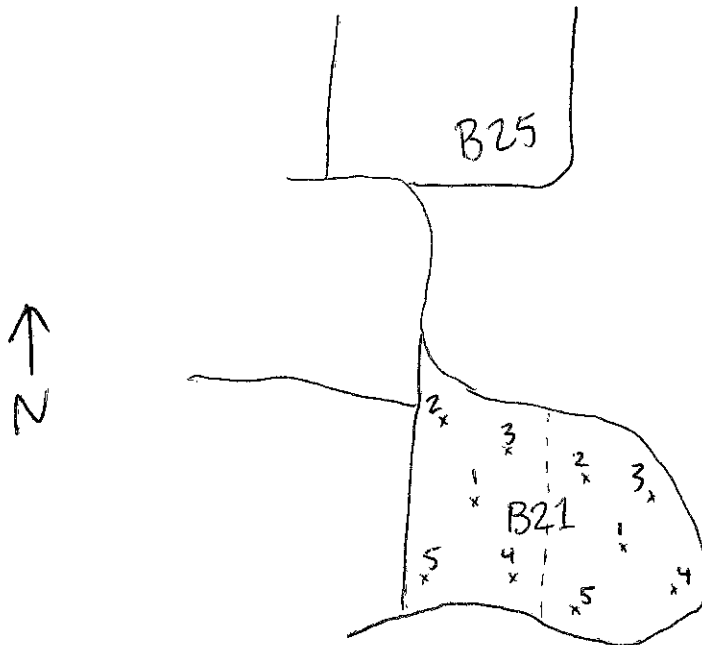
ERPIMS Values:  
 Sacode:  
 Lot Control#:

**Comments:**

183-B21-TCLP

10 pt. composite

**Sketch Location:**



Logged BY / Date: E. McDonough 6/30/10

Reviewed BY / Date: WJS 7-9-10



# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-070910-EMP

Location Code: E183-SPL40  
 Sample Number: PEF9040  
 Sample Name: E183-SPL40-SO-PEF9040-REG  
 Sampling Method: DP  
 Sample Type: SO                      Sample Purpose: REG

Task: 118166  
 Collection Date: 08-JUL-10  
 Collection Time: 10:30  
 Start Depth: 0  
 End Depth: 1 FT BGS  
 Sample Matrix: SOIL  
 Sample Team: MG

Analytical Suite	Containers			Units	Type
	Flt	Frtn	Qty		
TCLP-METAL	N	A	1	4	oz CWMG

ERPIMS Values:  
 Sacode:  
 Lot Control#:

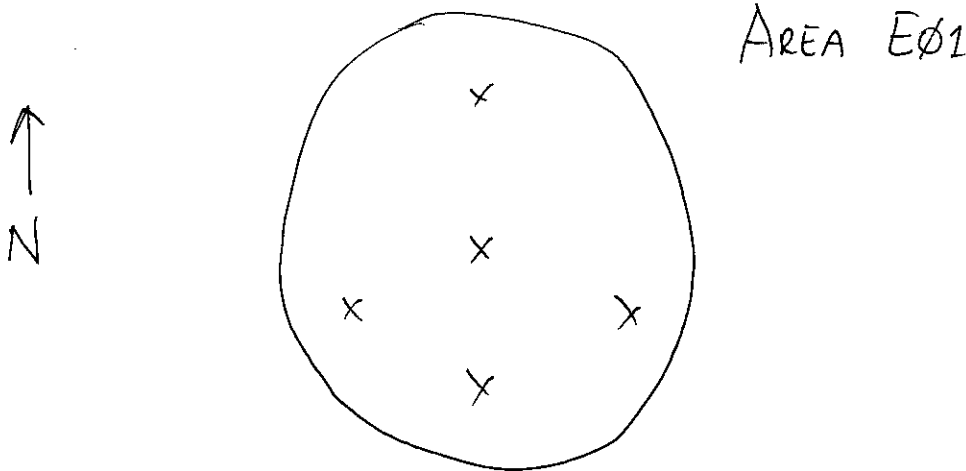
**Comments:**

183-E01-TCLP

5 pt. composite

**Sketch Location:**

X = sample location



Logged BY / Date: E. McDonough 7/29/10      Reviewed BY / Date: Emy Ramon 7/29/10

# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-070910-EMP

Location Code: **E183-SPL41**  
 Sample Number: **PEF9041**  
 Sample Name: **E183-SPL41-SO-PEF9041-REG**  
 Sampling Method: **DP**  
 Sample Type: **SO**                      Sample Purpose: **REG**

Task: **118166**  
 Collection Date: **08-JUL-10**  
 Collection Time: **11:15**  
 Start Depth: **0**  
 End Depth: **1 FT BGS**  
 Sample Matrix: **SOIL**  
 Sample Team: **MG**

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
TCLP-METAL	N	A	1	4	oz	CWMG

ERPIMS Values:  
 Sacode:  
 Lot Control#:

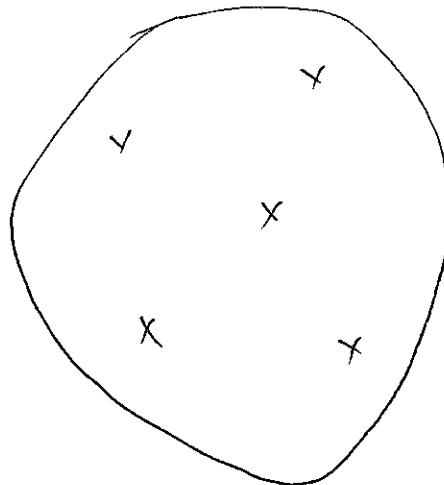
**Comments:**

183-D01-TCLP

5 pt. composite

**Sketch Location:**

x= sample location



AREA D01

Logged BY / Date: E. McDonough 7/29/10

Reviewed BY / Date: Emily Cameron 7/29/10

# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-070910-EMP

Location Code: E183-SPL42  
 Sample Number: PEF9042  
 Sample Name: E183-SPL42-SO-PEF9042-REG  
 Sampling Method: DP  
 Sample Type: SO                      Sample Purpose: REG

Task: 118166  
 Collection Date: 07-JUL-10  
 Collection Time: 13:15  
 Start Depth: 0 FT BGS  
 End Depth: 1  
 Sample Matrix: SOIL  
 Sample Team: MG

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
TCLP METAL	N	A	1	4	oz	CWMG

ERPIMS Values:  
 Sacode:  
 Lot Control#:

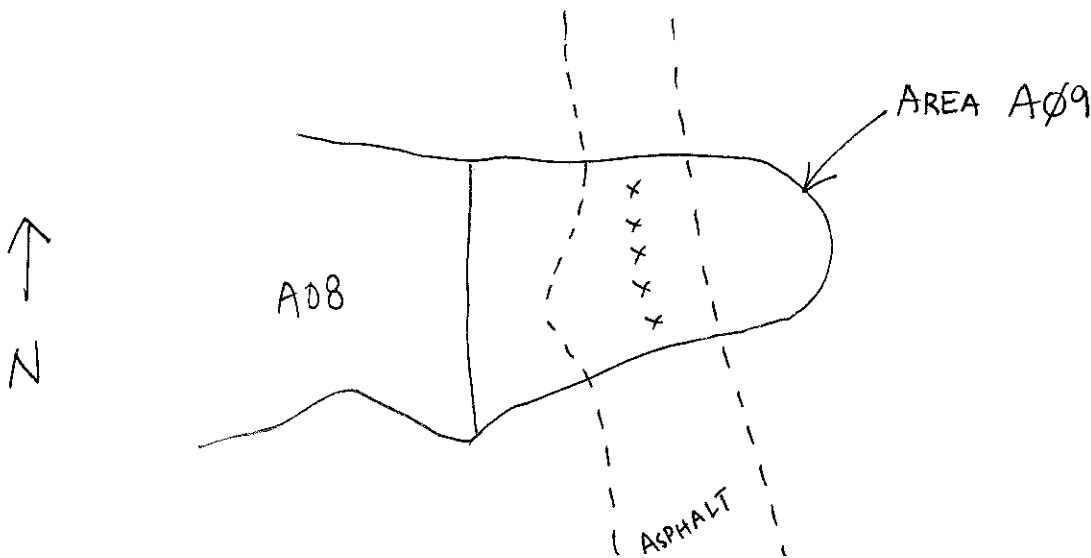
**Comments:**

183-A09-TCLP Under Asphalt

5 pt. composite

**Sketch Location:**

X = sample location



Logged BY / Date: E. McDonough 7/29/10

Reviewed BY / Date: Emil Cameron 7/29/10

# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-070910-EMP

Location Code: E183-SPL43  
 Sample Number: PEF9043  
 Sample Name: E183-SPL43-SO-PEF9043-REG  
 Sampling Method: DP  
 Sample Type: SO                      Sample Purpose: REG

Task: 118166  
 Collection Date: 07-JUL-10  
 Collection Time: 14:30  
 Start Depth: 0 FT BGS  
 End Depth: 1  
 Sample Matrix: SOIL  
 Sample Team: MG

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
TCLP METAL	N	A	I	4	oz	CWMG

ERPIMS Values:  
 Sacode:  
 Lot Control#:

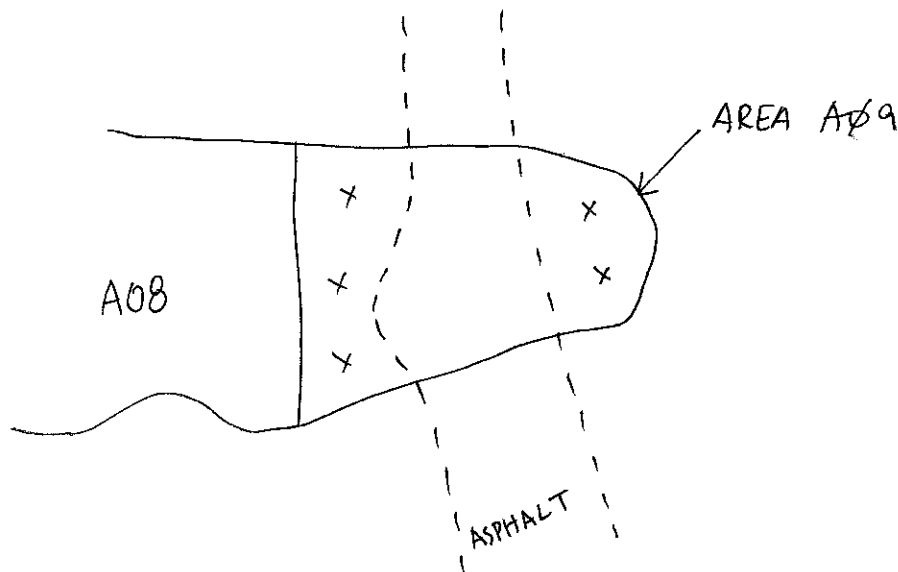
**Comments:**

183-A09-TCLP Outside Asphalt

5 pt. composite

**Sketch Location:**

X= Sample location



Logged BY / Date: E. McDonough 7/29/10

Reviewed BY / Date: E. Gamboa 7/29/10

# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-SPL44  
 Sample Number: PEF9044  
 Sample Name: E183-SPL44-SO-PEF9044-REG  
 Sampling Method: HA  
 Sample Type: SO

Task: 118166  
 Collection Date: 14-JUL-10  
 Collection Time: 14:45  
 Start Depth: 0  
 End Depth: 1  
 Sample Matrix: SOIL  
 Sample Team: MG

Sample Purpose: REG

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
TCLP METAL	N	A	1	4 oz		CWMG

ERPIMS Values:  
 Sacode:  
 Lot Control#:

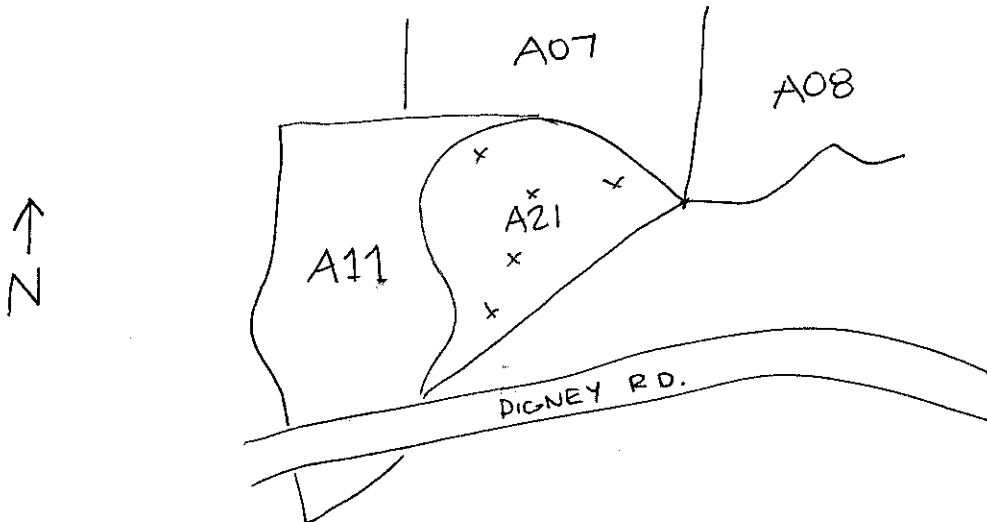
**Comments:**

183-A21-TCLP

5 pt. composite

**Sketch Location:**

X=sample location



Logged BY / Date: E. McDonough 7/26/10

Reviewed BY / Date: [Signature] 8/4/10

# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-SPL45  
 Sample Number: PEF9045  
 Sample Name: E183-SPL45-SO-PEF9045-REG  
 Sampling Method: HA  
 Sample Type: SO

Task: 118166  
 Collection Date: 14-JUL-10  
 Collection Time: 13:15  
 Start Depth: 0  
 End Depth: 1  
 Sample Matrix: SOIL  
 Sample Team: MG

Sample Purpose: REG

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
TCLP METAL	N	A	1	4	oz	CWMG

ERPIMS Values:  
 Sacode:  
 Lot Control#:

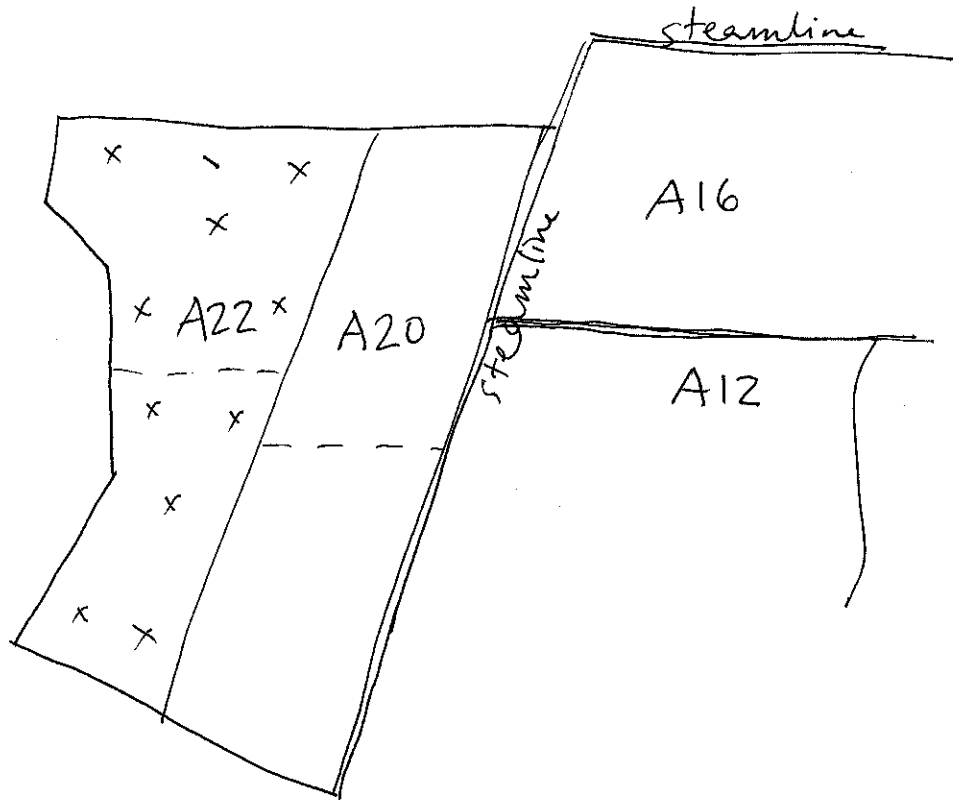
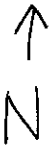
**Comments:**

183-A22-TCLP

10 pt composite

**Sketch Location:**

X = sample location



Logged BY / Date: E. McDonough 7/26/10

Reviewed BY / Date: E. McDonough 8/4/10

# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-SPL46  
 Sample Number: PEF9046  
 Sample Name: E183-SPL46-SO-PEF9046-REG  
 Sampling Method: HA  
 Sample Type: SO                      Sample Purpose: REG

Task: 118166  
 Collection Date: 14-JUL-10  
 Collection Time: 11:45  
 Start Depth: 0  
 End Depth: 1  
 Sample Matrix: SOIL  
 Sample Team: MG

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
TCLP METAL	N	A	1	4	oz	CWMG

ERPIMS Values:  
 Sacode:  
 Lot Control#:

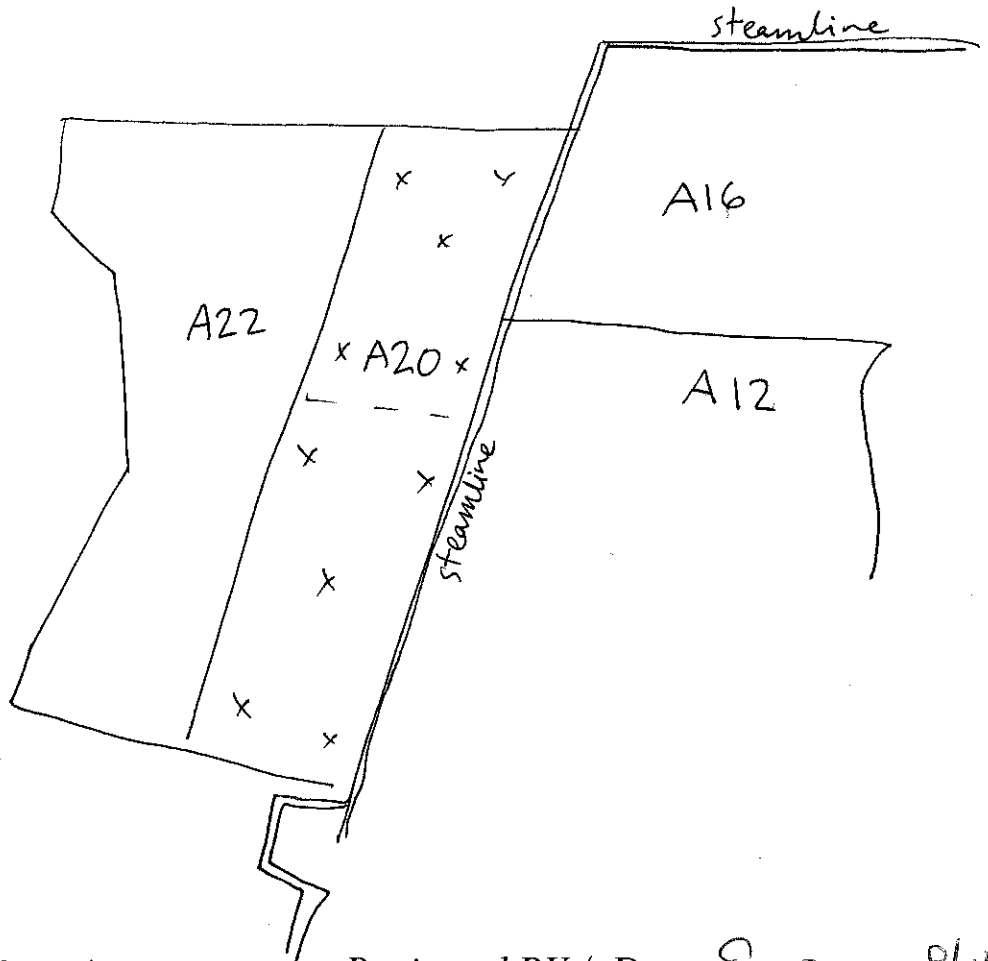
**Comments:**

183-A20-TCLP

10 pt. composite

**Sketch Location:**

x = sample locations



Logged BY / Date: E. McDonough 7/26/10

Reviewed BY / Date: Emily Cameron 8/4/10

# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-SPL47  
 Sample Number: PEF9047  
 Sample Name: E183-SPL47-SO-PEF9047-REG  
 Sampling Method: HA  
 Sample Type: SO                      Sample Purpose: REG

Task: 118166  
 Collection Date: 15-JUL-10  
 Collection Time: 12:00  
 Start Depth: 0  
 End Depth: 1  
 Sample Matrix: SOIL  
 Sample Team: MG

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
TCLP METAL	N	A	1	4	oz	CWMG

ERPIMS Values:  
 Sacode:  
 Lot Control#:

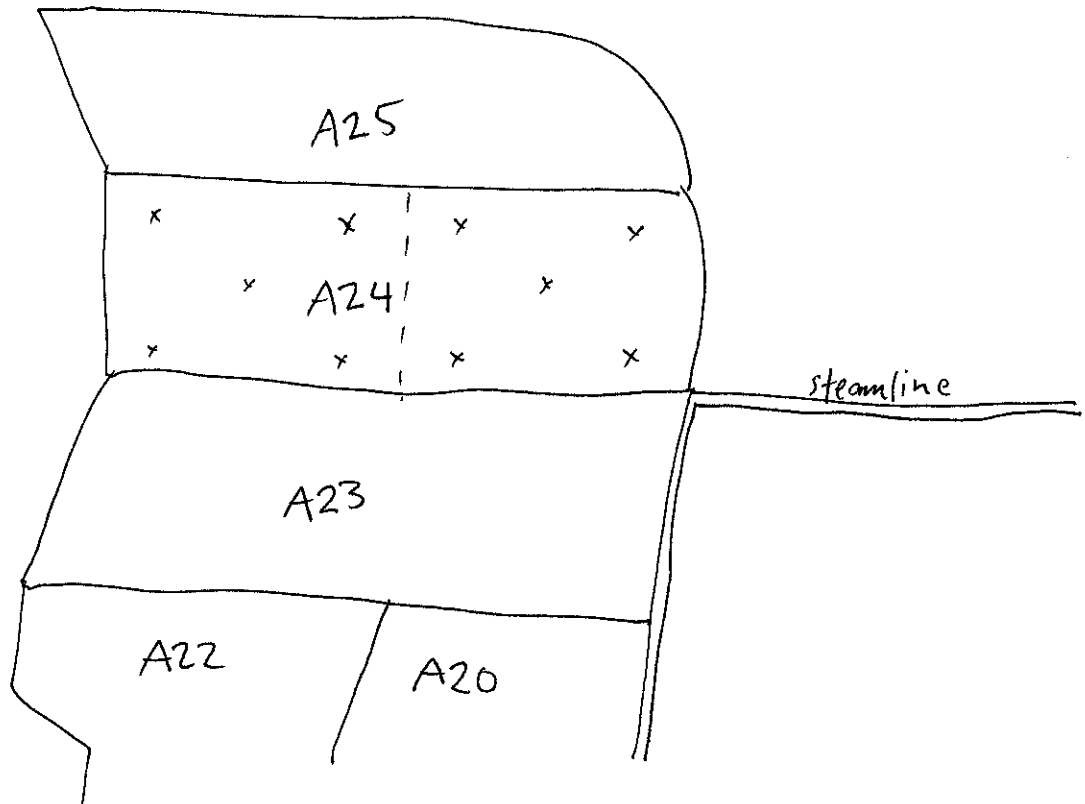
**Comments:**

183-A24-TCLP

10 pt. composite

**Sketch Location:**

x = sample locations



Logged BY / Date: E. McDonough 7/26/10

Reviewed BY / Date: Erin Jensen 8/4/10



# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: **E183-SPL48**  
 Sample Number: **PEF9048**  
 Sample Name: **E183-SPL48-SO-PEF9048-REG**  
 Sampling Method: **HA**  
 Sample Type: **SO**                      Sample Purpose: **REG**

Task: **118166**  
 Collection Date: **15-JUL-10**  
 Collection Time: **15:40**  
 Start Depth: **0**  
 End Depth: **1**  
 Sample Matrix: **SOIL**  
 Sample Team:

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
TCLP METAL	N	A	1	4	oz	CWMG

ERPIMS Values:  
 Sacode:  
 Lot Control#:

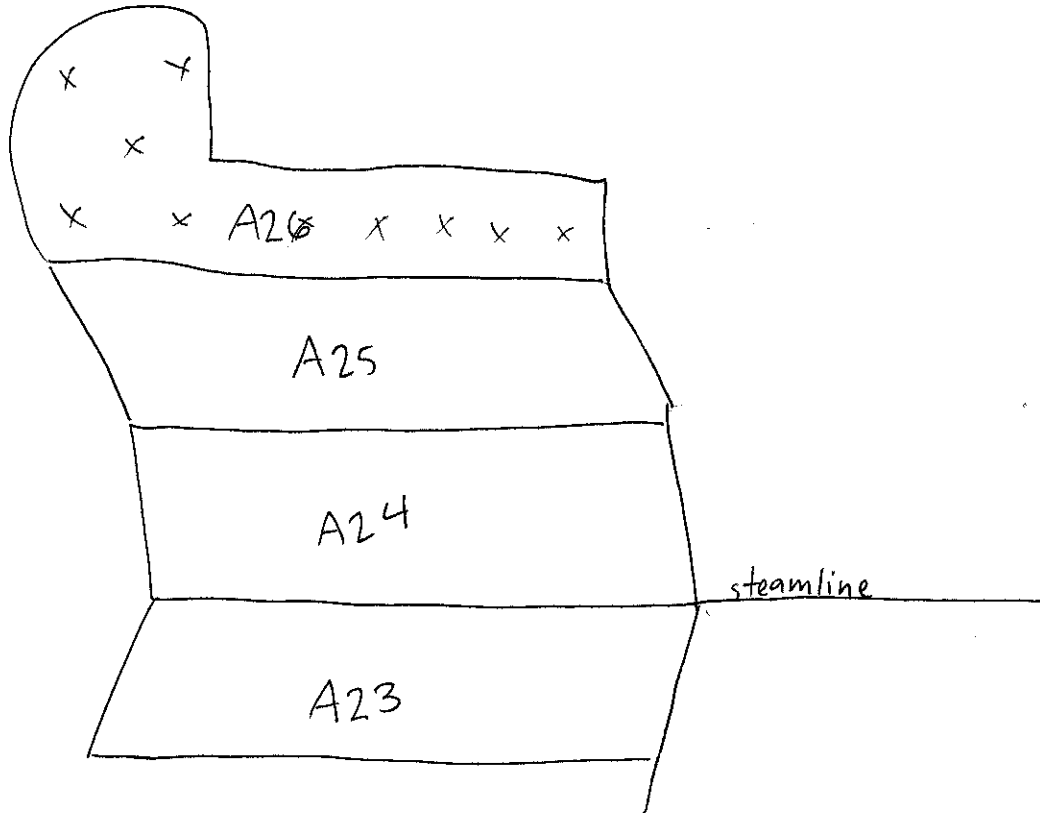
**Comments:**

183-A26-TCLP

10 pt. composite

**Sketch Location:**

X = sample locations



Logged BY / Date: E. McDonough 7/26/10

Reviewed BY / Date: Emi Jensen 8/11/10

# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-SPL49  
 Sample Number: PEF9049  
 Sample Name: E183-SPL49-SO-PEF9049-REG  
 Sampling Method: HA  
 Sample Type: SO

Task: 118166  
 Collection Date: 15-JUL-10  
 Collection Time: 14:20  
 Start Depth: 0  
 End Depth: 1  
 Sample Matrix: SOIL  
 Sample Team: MG

Sample Purpose: REG

**Containers**

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
TCLP-METAL	N	A	1	4	oz	CWMG

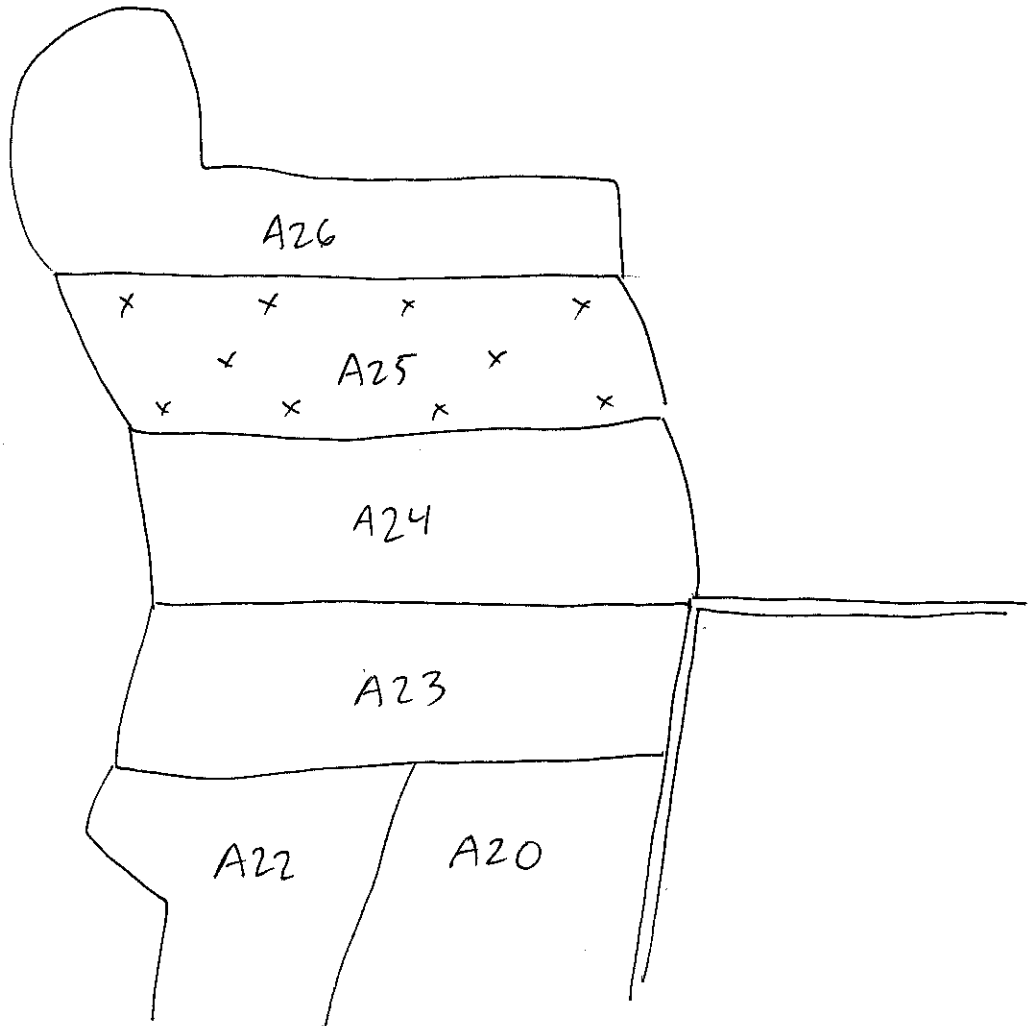
ERPIMS Values:  
 Sacode:  
 Lot Control#:

**Comments:**

183-A25-TCLP  
 10 pt. composite

**Sketch Location:**

x=sample locations



Logged BY / Date: E. McDonough 7/26/10 Reviewed BY / Date: Emil Demeris 8/4/10

# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: E183-SPL50  
 Sample Number: PEF9050  
 Sample Name: E183-SPL50-SO-PEF9050-REG  
 Sampling Method: HA  
 Sample Type: SO                      Sample Purpose: REG

Task: 118166  
 Collection Date: 15-JUL-10  
 Collection Time: 10:30  
 Start Depth: 0  
 End Depth: 1  
 Sample Matrix: SOIL  
 Sample Team: MG

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
TCLP METAL	N	A	1	4	oz	CWMG

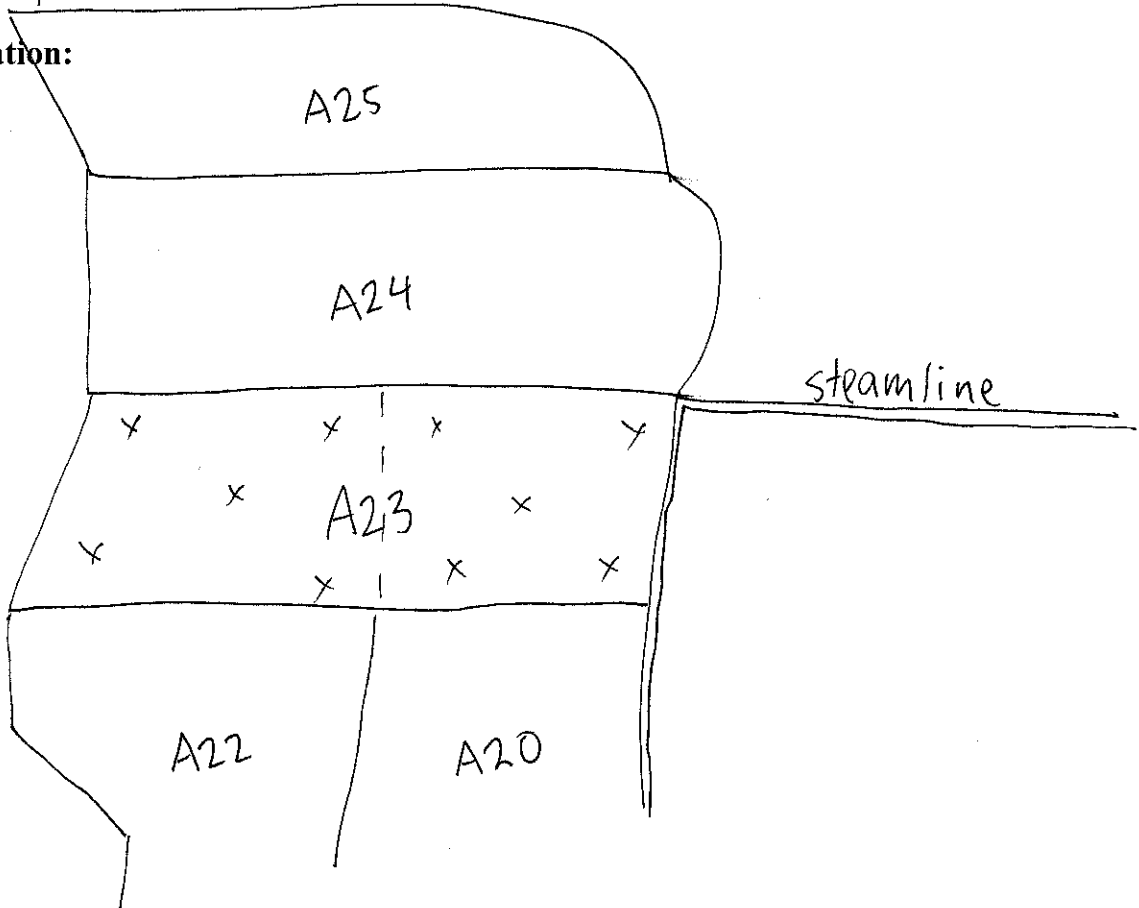
ERPIMS Values:  
 Sacode:  
 Lot Control#:

**Comments:**

183-A23-TCLP  
 10 pt. composite

**Sketch Location:**

x = sample locations



Logged BY / Date: Eleanor McDonough 7/26/10      Reviewed BY / Date: Steve Moran 8/4/10

# Sample Collection Log

118166 Redstone- PBC

Manager: Steve Moran

RFA / COC Number: 183-071610-EMP

Location Code: **E183-SPL51**  
 Sample Number: **PEF9051**  
 Sample Name: **E183-SPL51-SO-PEF9051-REG**  
 Sampling Method: **HA**  
 Sample Type: **SO**                      Sample Purpose: **REG**

Task: **118166**  
 Collection Date: **16-JUL-10**  
 Collection Time: **08:05**  
 Start Depth: **0**  
 End Depth: **1**  
 Sample Matrix: **SOIL**  
 Sample Team: **MG**

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
TCLP METAL	N	A	1	4	oz	CWMG

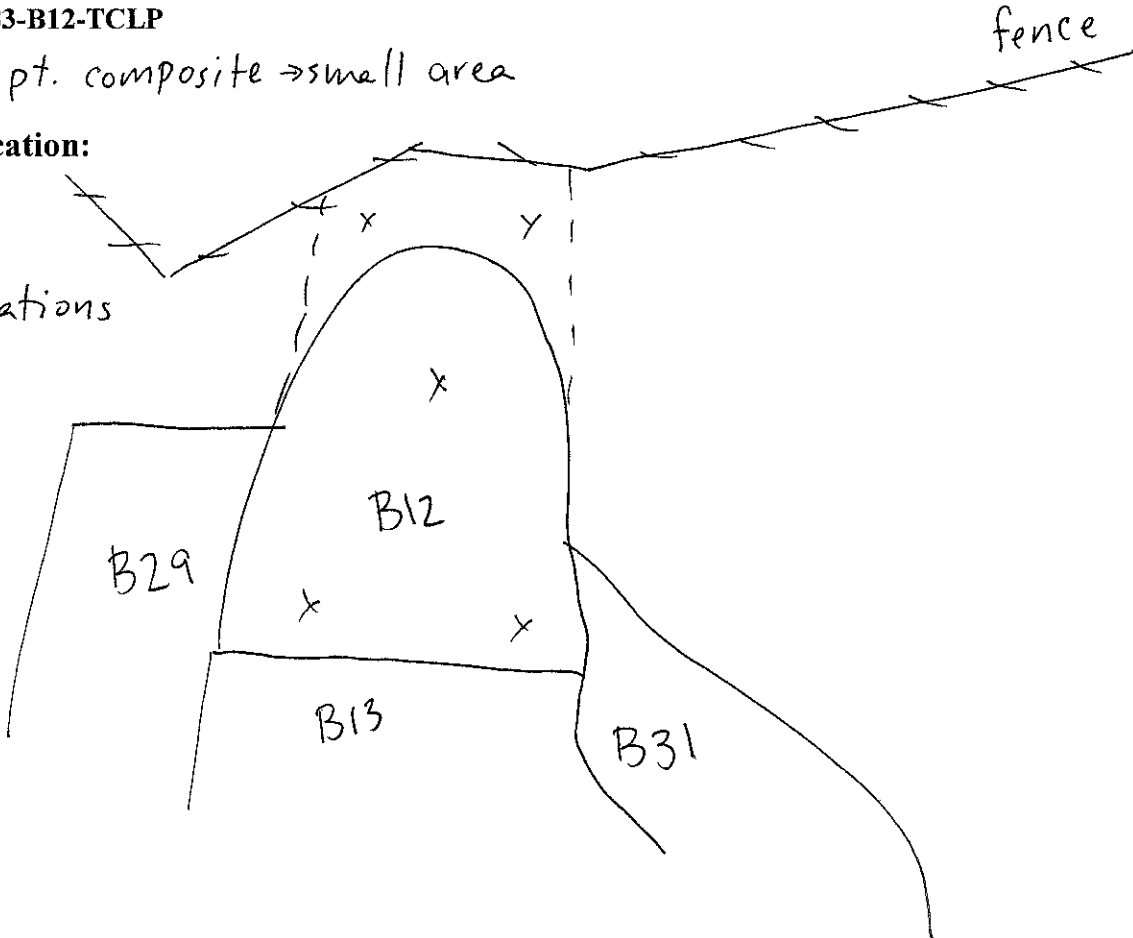
ERPIMS Values:  
 Sacode:  
 Lot Control#:

**Comments:**

183-B12-TCLP  
 5 pt. composite → small area

**Sketch Location:**

x = sample locations



Logged BY / Date: E. McDonough 7/26/10

Reviewed BY / Date: Emi Jensen 8/4/10

## **RESPONSES TO COMMENTS**

**Responses to Alabama Department of Environmental Management (ADEM)  
Review Comments on the Revision 0 Corrective Measures Implementation Work Plan  
For RSA-122, Dismantled Lewisite Manufacturing Plant Sites, Operable Unit 6 and  
RSA-183, Former Lewisite Manufacturing Plant 1 and 2 Sites, Operable Unit 5  
Redstone Arsenal, Madison County, Alabama  
Dated May 2022**

*Comments from ADEM dated September 21, 2022 (received via email).*

**Specific Comments**

**Comment 1:** Page 2-15, Section 2.5.3, Screening-Level Ecological Assessment: Chapter 2 provides details on the current site risk summary for RSA-122 following the soil cleanup in 2010. In the ecological assessment for the site it is stated that polynuclear aromatic hydrocarbons (PAHs) may pose unacceptable risks to a small number of individual receptors in the Northwest Area of the site. However, there is no mention in the corrective measures decision summary of PAHs being a potential risk. Please address.

**Response 1:** Section 2.5.3 goes on to state that there are no expected impacts to populations of ecological receptors and that limited habitat in this highly industrialized area already limits potential ecological impacts. However, to clarify the point that no action for ecological receptors is warranted for PAHs in soil based on this weight of evidence evaluation, the following text was inserted into the decision summary discussion for RSA-122.

“Although the screening level SLERA identified a potential for PAHs to pose threats to a small number of individual ecological receptors in RSA-122NW, there are no expected impacts to populations of ecological receptors and limited habitat in this highly industrialized area of the site already limits potential additional ecological impacts. Based on these lines of evidence, no action for ecological receptors is warranted for PAHs in soil.”

**Comment 2:** Page 4-3, Chapter 4, Decision Summary, Section 4.2.1, Cleanup Goals for the Corrective Measures: Benzo(a)pyrene is not included in this section although it has been identified throughout the document as a COC. Please revise the document to include benzo(a)pyrene in this section.

**Response 2:** The following bullet was added to Section 4.1, RSA-122: “Exposure to benzo(a)pyrene in soils within RSA-122NW alone pose an unacceptable risk to only the future hypothetical residential receptor and not to either industrial receptor.” Also, the first sentence following bullets in Section 4.1, page 4-2 was revised as follows: “Corrective measures are needed to address the arsenic-contaminated surface and subsurface soil at RSA-122, and benzo(a)pyrene-contaminated subsurface soil within RSA-122NW only.”

The following text was added following the 2<sup>nd</sup> paragraph of Section 4.2.1: “Benzo(a)pyrene in soils within RSA-122NW alone pose an unacceptable risk to only the future hypothetical residential receptor and not to either industrial receptor. A soil CG of 5.1 mg/kg for benzo(a)pyrene would be needed if RSA-122 soils were being cleaned up to unrestricted use (Appendix J, Table J-26). No cleanup for benzo(a)pyrene in soil is required to be protective of current or future industrial workers. The Army intends to implement LUCs preventing residential site use throughout these sites including RSA-122NW. This action will ensure that risks to residential receptors from soil contaminants including benzo(a)pyrene will be fully addressed.”

The following sentence was added to Section 4.2.2: “Benzo(a)pyrene in soils within RSA-122NW alone pose an unacceptable risk to only the future hypothetical residential receptor and not to either industrial receptor.”

The following sentence was added to Section 4.2.4: “The Army intends to implement LUCs preventing residential site use throughout these sites including RSA-122NW. This action will ensure that risks to residential receptors from soil contaminants including benzo(a)pyrene will be fully addressed.”

Bullet added to Section 4.3.2: “Implementation of LUCs preventing residential site use throughout these sites including RSA-122NW. This action will ensure that risks to residential receptors from soil contaminants including benzo(a)pyrene will be fully addressed. LUCs will also be used to provide protection to the groundskeeper and construction worker receptors as discussed in the previous sections.”

**Comment 3:** **Appendix I, Land-Use Controls: The proposed corrective action does not return the site to unrestricted reuse. Therefore, in accordance with ADEM Admin Code (AAC) 335-5 a Notice of Environmental Use Restriction should be included as part of the corrective measures. Please revise the CMIP to state that a filed NEUR will be included as part of the Corrective Measures Implementation Report.**

**Response 3:** The 3<sup>rd</sup> paragraph of Section 5.15 states that “Draft LUCs will be provided in the CMI report for this site for ADEM review and approval.” To avoid confusion the sentence was revised to the following: “In accordance with ADEM AAC r. 335-5-1-.02(3)(a) a draft Notice of Environmental Use Restriction (NEUR) detailing the site LUCs will be submitted with the CMI report for this site for ADEM review and approval.”

In addition, the following sentence was added to Section 5.16.2 Reporting: “A CMI report will be prepared following implementation of the corrective measures. The CMI report will include a draft NEUR and the required legal description of the property.”