

Appendix A

Annual Inspection Checklist, Maps, and Photographs

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Annual Site Inspection Check List (See RFLMA Attachment 2, section 5.3.4; 5.3.6 and 5.4.3)

Date: 3/12/12

Inspection Area: A

INSPECTION PERFORMED BY (print each name): RICK DI SALVO, CHUCK BROWN, JEREMIAH McLAUGHLIN, VERA MORITZ

CHECK ALL BOXES THAT APPLY. PUT ID# ON FLAG AND PLACE FLAG MARKER IN LOCATION OF OBSERVATION FOR FOLLOW UP.								
Flag ID#	Evidence of Soil Erosion or Deposition	Evidence of cracks, Rills, Gullies	Evidence of Sink Holes or Burrows	Evidence of Depressions or Subsidence	Evidence of Institutional Control Violation ¹	Problem with signs or other physical controls ²	Adverse biological condition	Photo(s) taken? ³
A1	WET-PONDING			✓ MINOR				✓
A2	STEEL PLATE							✓
A3	TIN ROOFING							✓
A4	CABLE PIECE							✓
A5	WIRE ANCHOR							✓
A6	REBAR							✓
A7	WIRE							✓
A8	WET-PONDING			✓ MINOR				✓

Notes (Reference Flag ID #):

- A-1 - WET AREA w/ of 371 - APPEARS TO BE FROM PONDING PRECIP. SAME AS 2011 - PHOTO ~6" DEEP @ DEEPEST
- A-2 - STEEL PLATE ~ 2' WIDE, STICKING UP ~ 1' - PHOTO
- A-3 - SMALL PIECE TIN ROOFING POKING UP ~ 1' - PHOTO
- A-4 - PIECE OF CABLE - STICKING UP ~ 2' - PHOTO 5917 750925 N 2083112 E
- A-5 - WIRE ANCHOR STICKING UP ~ 5' - PHOTO 751052 N 2083235 E
- A-6 - 1/2 REBAR ~ 3' LONG PROTRUDING ~ 2-3" 750098 N 2082817 E - PHOTO
- A-7 - 1/4 WIRE ~ 2' LONG PROTRUDING ~ 2' 750124 N 2082974 E
- A-8 - WET AREA w/ of 460 - PRECIP. PONDING - PHOTO 748380 N 2081048 E ~6" DEEP @ DEEPEST

¹ Indicate the RFLMA IC# (RFLMA Attachment 2, Table 1-7) for which violation is indicated.

² These are required to be inspected Quarterly per RFLMA Attachment 2 section 5.3.5, and completion is documented separately – documented here if problem noted during Annual inspection.

³ If photo taken, show location and orientation of photo on Area map.

Annual Site Inspection Check List (See RFLMA Attachment 2, section 5.3.4; 5.3.6 and 5.4.3)

Date: 3/12/12

Inspection Area: B

INSPECTION PERFORMED BY (print each name): Chaz Guaring, Jason Kaufman, Casey Michalski

CHECK ALL BOXES THAT APPLY. PUT ID# ON FLAG AND PLACE FLAG MARKER IN LOCATION OF OBSERVATION FOR FOLLOW UP.								
Flag ID#	Evidence of Soil Erosion or Deposition	Evidence of cracks, Rills, Gullies	Evidence of Sink Holes or Burrows	Evidence of Depressions or Subsidence	Evidence of Institutional Control Violation ¹	Problem with signs or other physical controls ²	Adverse biological condition	Photo(s) taken? ³
B1								
B2				X				
B3		channel		X depression				
B4			stick 3-12-12	X depression				
B5	rebar + concrete							
B6				X depression 4250 well				
B7				X depression				
B8	old fence posts (Five found so far, no line)							
B9	old fence posts (Pence)							

Notes (Reference Flag ID #):

B1 6' rebar - placed on road near splits (no flag)

B2 5' x 3' depression 6"-8" deep (grass on top) - no picture w/ flag

B3 2 parallel channels - top of hill to 3/4 of the way down (picture + flag)
+ 1 more to west (3 total)

B4 15' x 30' depression 6" to 12" deep (flag)

B5 concrete + rebar - 1 foot diameter (flag) + picture

B6 12" diameter depression 6-8" deep (flag no picture)

B7 80' x 4' depression 1 foot deep
Picture + flag

B8 rebar + concrete + metal pipes
Flag no picture
3 fence posts
+ 1 + 2 = 5 total found

B9 old fence posts in a line - 9 found
Continuation of B8
+ 1 (10 total w/ flag)

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Annual Site Inspection Check List (See RFLMA Attachment 2, section 5.3.4; 5.3.6 and 5.4.3)

Date: 3-12-2012

Inspection Area: B

INSPECTION PERFORMED BY (print each name): Chaz Gunning, Jason Kaufman, Casey Michalek

CHECK ALL BOXES THAT APPLY. PUT ID# ON FLAG AND PLACE FLAG MARKER IN LOCATION OF OBSERVATION FOR FOLLOW UP.

Flag ID#	Evidence of Soil Erosion or Deposition	Evidence of cracks, Rills, Gullies	Evidence of Sink Holes or Burrows	Evidence of Depressions or Subsidence	Evidence of Institutional Control Violation ¹	Problem with signs or other physical controls ²	Adverse biological condition	Photo(s) taken? ³
B10				X depression				
B11	rebar 1 foot up							
B12	fence post 8" up							
B13	previously (3 other yellow flags) hole			X				
B14	metal debris							
B15	metal pipe/conduit							
B16	damaged wind blown wattles							
B17	pile of metal debris (rebar stuck in ground need saw)					(flag no picture)		
B18	metal debris flag - no picture							

Notes (Reference Flag ID #):

- B10 depression - near flag B9 - 5 foot diameter, 1 foot deep
- B11 piece of rebar (flag no picture)
- B12 piece of fence post (flag no picture) - no others in row found
- B13 hole 6 foot diameter, 4-5 feet deep (flag no picture)
- B14 metal debris (3 pieces)
- B15 metal pipe conduit (flag no picture)

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B16 damaged wattles (flag no picture)
 Page ___ of ___ B17 metal debris (flag no picture)

Annual Site Inspection Check List (See RFLMA Attachment 2, section 5.3.4; 5.3.6 and 5.4.3)

Date: 3-12-2012

Inspection Area: B

INSPECTION PERFORMED BY (print each name): Chaz Gunning, Jason Kaufman, Casey Michalicki

CHECK ALL BOXES THAT APPLY. PUT ID# ON FLAG AND PLACE FLAG MARKER IN LOCATION OF OBSERVATION FOR FOLLOW UP.								
Flag ID#	Evidence of Soil Erosion or Deposition	Evidence of cracks, Rills, Gullies	Evidence of Sink Holes or Burrows	Evidence of Depressions or Subsidence	Evidence of Institutional Control Violation ⁴	Problem with signs or other physical controls ⁵	Adverse biological condition	Photo(s) taken? ⁶
B19	metal debris	rebar	locat					
B20	metal debris							
B21	metal pipe (6' d, antea)							
B22	metal rebar 1" diameter - flush to ground - flag no picture							
B23	2 large pieces of concrete w/ rebar - in combination with small depression - flag no pic							

Notes (Reference Flag ID #):

- B19 - metal debris
- B20 - metal debris
- B21 - metal pipe
- B22 - metal rebar
- B23 1 hole + 2 concrete

⁴ Indicate the RFLMA IC# (RFLMA Attachment 2, Table 1-7) for which violation is indicated.
⁵ These are required to be inspected Quarterly per RFLMA Attachment 2 section 5.3.5, and completion is documented separately – documented here if problem noted during Annual inspection.
⁶ If photo taken, show location and orientation of photo on Area map.

Annual Site Inspection Check List (See RFLMA Attachment 2, section 5.3.4; 5.3.6 and 5.4.3)

Date: 3/12/12

Inspection Area: B

INSPECTION PERFORMED BY (print each name): Jody, George, Casey*, Carl

CHECK ALL BOXES THAT APPLY. PUT ID# ON FLAG AND PLACE FLAG MARKER IN LOCATION OF OBSERVATION FOR FOLLOW UP.

Flag ID#	Evidence of Soil Erosion or Deposition	Evidence of cracks, Rills, Gullies	Evidence of Sink Holes or Burrows	Evidence of Depressions or Subsidence	Evidence of Institutional Control Violation ¹	Problem with signs or other physical controls ²	Adverse biological condition	Photo(s) taken? ³
B100								no
B101								no
B102								no
B103								no
B104								no
B105								no

debris
debris
debris
debris
rebar
debris

Notes (Reference Flag ID #):

B100 - close to shed near FC4
 B101 - referenced to red + yellow w walls - 50 yds west
 B102 - pick axe
 B103 - concrete w/rebar, N of 750 pad
 B104 - line of rebar from watties - E. of 991 Hillside. Jody took GPS line.
 B105 - another line of rebar from watties - NW of MRPTS across FC4 (green pipe by nprmp)

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Annual Site Inspection Check List (See RFLMA Attachment 2, section 5.3.4; 5.3.6 and 5.4.3)

Date: 3-12-12

Inspection Area: C

INSPECTION PERFORMED BY (print each name): D. HANSEN, CARL SPRENG, JERRY MATSON

CHECK ALL BOXES THAT APPLY. PUT ID# ON FLAG AND PLACE FLAG MARKER IN LOCATION OF OBSERVATION FOR FOLLOW UP.								
Flag ID#	Evidence of Soil Erosion or Deposition	Evidence of cracks, Rills, Gullies	Evidence of Sink Holes or Burrows	Evidence of Depressions or Subsidence	Evidence of Institutional Control Violation ¹	Problem with signs or other physical controls ²	Adverse biological condition	Photo(s) taken? ³
C-1	STEEL BAR - TIRE HOZARD							No
C-2	↓ ↓	↓ ↓						↓
C-3	ABANDONED WELL ??		INVESTIGATE					
C-4	SLOPE SLOUGH - SEVERAL SMALL AREAS.			100' diam				
C-5	REBAR ON SLOPE.							
C-6	REBAR IN SOIL.							
C-7	SLOPE SLOUGH. SEVERAL SMALL AREAS.							
C-8	SINK HOLE ?? OLD COLUVERT ??							
C-9	SLOPE SLOUGH. OLD. ALSO REBAR TRASH.							

Notes (Reference Flag ID #):

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Annual Site Inspection Check List (See RFLMA Attachment 2, section 5.3.4; 5.3.6 and 5.4.3)

Date: 3-12-12Inspection Area: CINSPECTION PERFORMED BY (print each name): DOUG HANSEN, CARL SPRENG, JERRY MATSON

CHECK ALL BOXES THAT APPLY. PUT ID# ON FLAG AND PLACE FLAG MARKER IN LOCATION OF OBSERVATION FOR FOLLOW UP.

Flag ID#	Evidence of Soil Erosion or Deposition	Evidence of cracks, Rills, Gullies	Evidence of Sink Holes or Burrows	Evidence of Depressions or Subsidence	Evidence of Institutional Control Violation ¹	Problem with signs or other physical controls ²	Adverse biological condition	Photo(s) taken? ³
C-10	SERIES OF SINKHOLES / DEPRESSIONS NEAR WELL 891WE					?? PUMP ON GROUND.		NO
C-11	PLYWOOD. METAL TRASH.							↓
C-12	LARGE PILE METAL TRASH. R/R RAIL.							
C-13	LARGE PIPE IN HILLSIDE. PIPE TRASH.							
C-14	SINKHOLE. FRESHER THAN MOST ON THIS HILLSIDE.							
C-15	BLDG 891 STAIRWELL. NO FLAG. NEW SINKHOLE.							
C-16	REBAR IN SOIL.							

Notes (Reference Flag ID #):

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Annual Site Inspection Check List (See RFLMA Attachment 2, section 5.3.4; 5.3.6 and 5.4.3)

Date: 3/12/12

Inspection Area: Δ

INSPECTION PERFORMED BY (print each name): Judy Nelson, Andy Carpenter, Bob Darr

CHECK ALL BOXES THAT APPLY. PUT ID# ON FLAG AND PLACE FLAG MARKER IN LOCATION OF OBSERVATION FOR FOLLOW UP.

Flag ID#	Evidence of Soil Erosion or Deposition	Evidence of cracks, Rills, Gullies	Evidence of Sink Holes or Burrows	Evidence of Depressions or Subsidence	Evidence of Institutional Control Violation ¹	Problem with signs or other physical controls ²	Adverse biological condition	Photo(s) taken? ³
D1	Trash							Y

Notes (Reference Flag ID #):

You can see the depressions where most of the old trenches are located. We saw no issues w/ them however.

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Annual Site Inspection Check List (See RFLMA Attachment 2, section 5.3.4; 5.3.6 and 5.4.3)

Date: 3/12/12

Inspection Area: E

INSPECTION PERFORMED BY (print each name): Michelle Hanson, Heidi Frasure, Linda Kaiser, Andy Carpenter

CHECK ALL BOXES THAT APPLY. PUT ID# ON FLAG AND PLACE FLAG MARKER IN LOCATION OF OBSERVATION FOR FOLLOW UP.

Flag ID#	Evidence of Soil Erosion or Deposition	Evidence of cracks, Rills, Gullies	Evidence of Sink Holes or Burrows	Evidence of Depressions or Subsidence	Evidence of Institutional Control Violation ¹	Problem with signs or other physical controls ²	Adverse biological condition	Photo(s) taken? ³
E1	trash -	see below						✓
E2	"							
E3	"							
E4	"							

Notes (Reference Flag ID #):

- E1 - sheet of metal in drainage channel (3' x 3') photo
- E2 - rusty metal piece (8" long)
- E3 - rusty drum lid
- E4 - rusty barbed wire

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Date: 3/12/12

Inspection Area: SW-027

INSPECTION PERFORMED BY (print each name): Linda Kaiser, Vera Moritz, George Squip Squibb

CHECK ALL BOXES THAT APPLY. PUT ID# ON FLAG AND PLACE FLAG MARKER IN LOCATION OF OBSERVATION FOR FOLLOW UP.

Flag ID#	Evidence of Soil Erosion or Deposition	Evidence of cracks, Rills, Gullies	Evidence of Sink Holes or Burrows	Evidence of Depressions or Subsidence	Evidence of Institutional Control Violation ¹	Problem with signs or other physical controls ²	Adverse biological condition	Photo(s) taken? ³
1	debris							
2	debris							
3	X	X						✓
4	debris							
5	X	X						✓
6	trampled wattle							✓

Notes (Reference Flag ID #):

- ① debris w/ protruding nails
- ② debris w/ protruding nails
- ③ erosion (rills) - east of well 7391 - also a place 40-50 ft west of flag 3 (red flag = #3) photo
- ④ north of SID, north of "middle" south perimeter gate - pipe photo
- ⑤ erosion - deeper rills - north flag for #3
- ⑥ trampled wattle - animal trail? photo

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Annual Site Inspection 2012 Photos



Photograph A1. Sign listing the institutional controls; posted at the west entrance road to the Central OU. Signs are posted at each of the Central OU entry/exit gates at the Central OU boundary.



Photograph A2. No trespassing sign. Signs are posted at Central OU boundary at intervals specified by RFLMA Attachment 2.



Photograph A3. Hole in the location of the former B881 stairwell



Photograph A4. Hole in the location of the former B881 stairwell

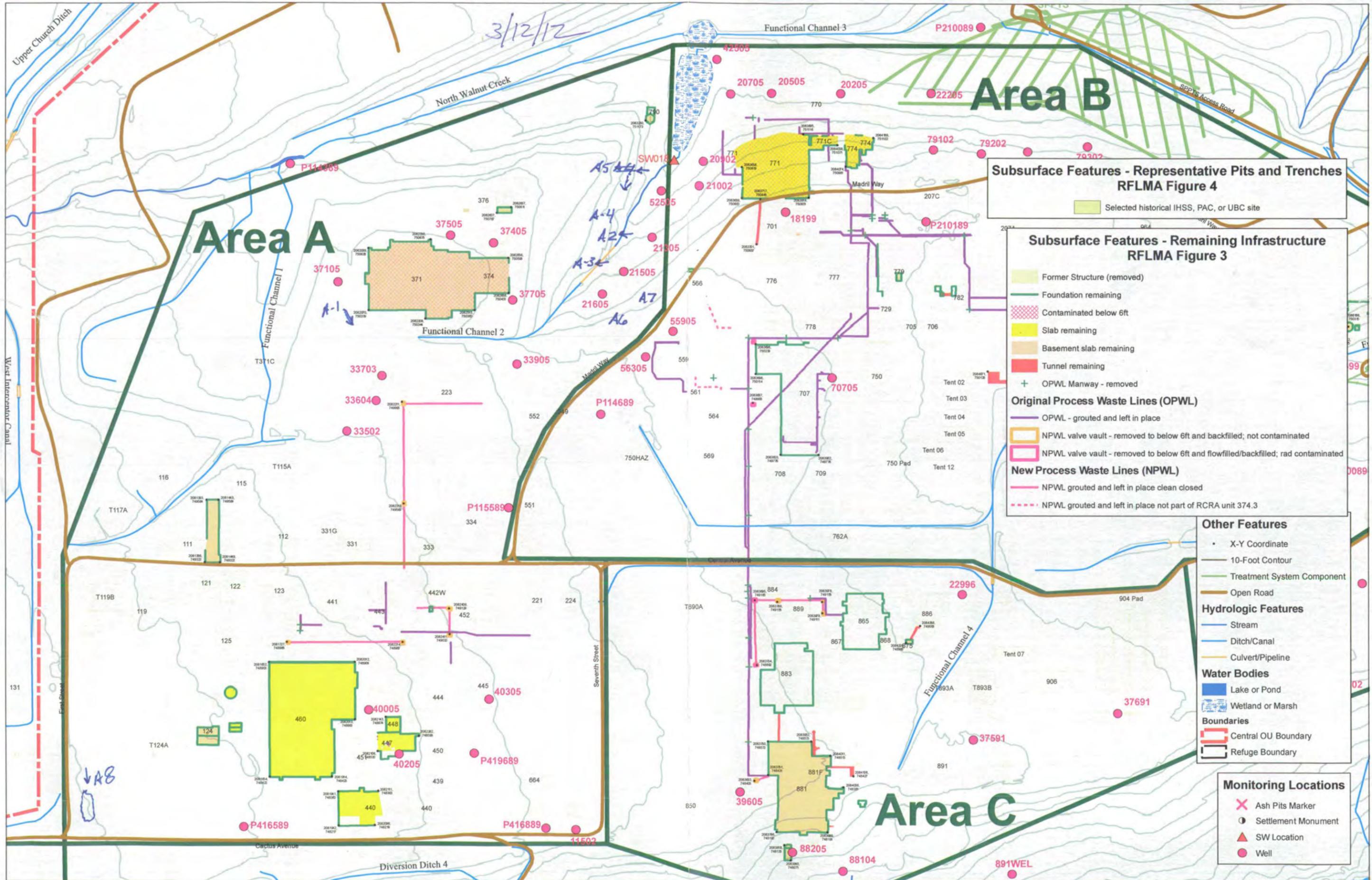


Photograph A5. Depression in the roadway in the vicinity of former B771



Photograph A6. Cracks in the roadway in the vicinity of former B771

3/12/12



Area A

Area B

Area C

Subsurface Features - Representative Pits and Trenches
RFLMA Figure 4

- Selected historical IHSS, PAC, or UBC site

Subsurface Features - Remaining Infrastructure
RFLMA Figure 3

- Former Structure (removed)
- Foundation remaining
- Contaminated below 6ft
- Slab remaining
- Basement slab remaining
- Tunnel remaining
- OPWL Manway - removed

Original Process Waste Lines (OPWL)

- OPWL - grouted and left in place
- NPWL valve vault - removed to below 6ft and backfilled; not contaminated
- NPWL valve vault - removed to below 6ft and flowfilled/backfilled; rad contaminated

New Process Waste Lines (NPWL)

- NPWL grouted and left in place clean closed
- NPWL grouted and left in place not part of RCRA unit 374.3

Other Features

- X-Y Coordinate
- 10-Foot Contour
- Treatment System Component
- Open Road

Hydrologic Features

- Stream
- Ditch/Canal
- Culvert/Pipeline

Water Bodies

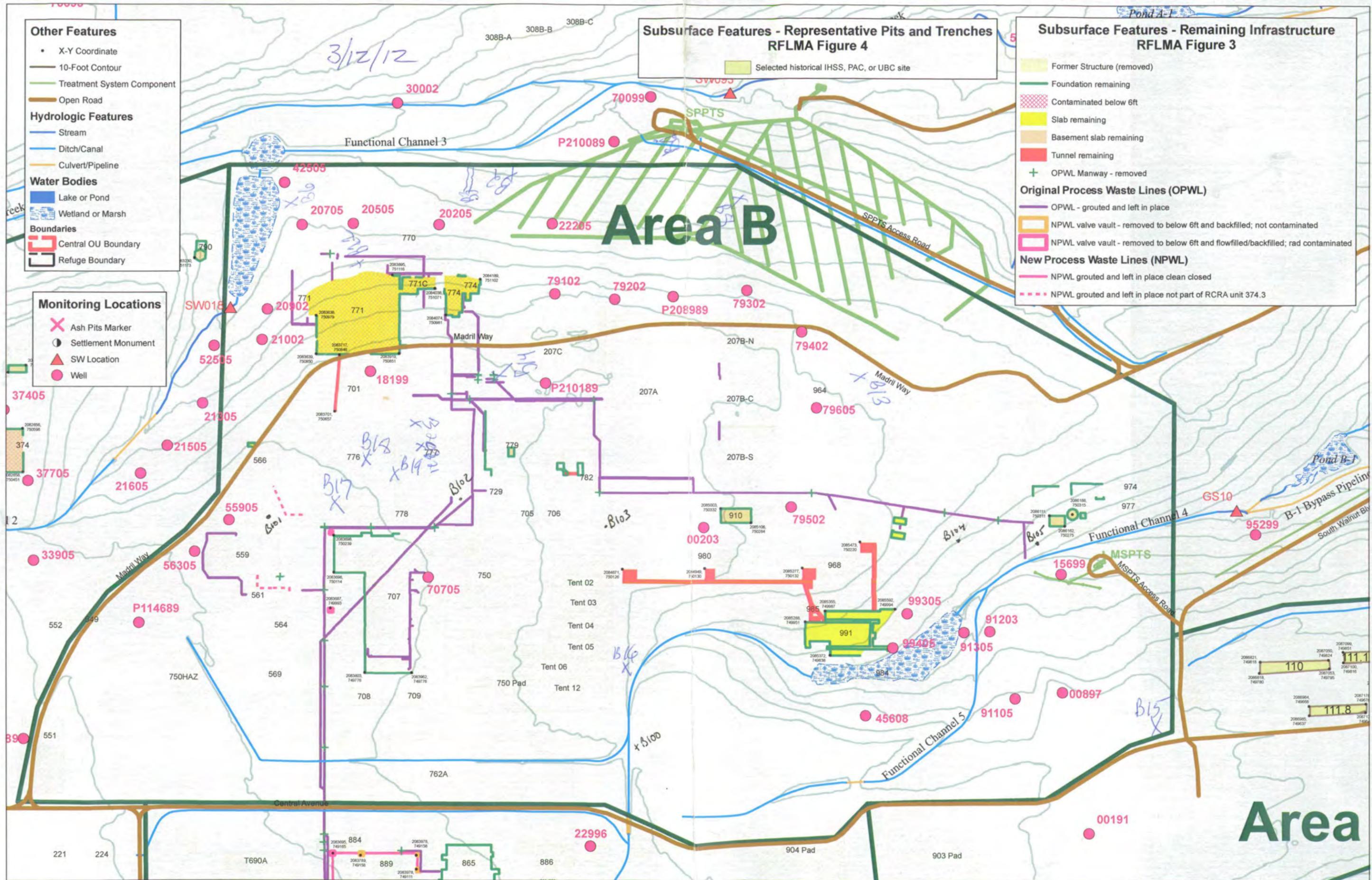
- Lake or Pond
- Wetland or Marsh

Boundaries

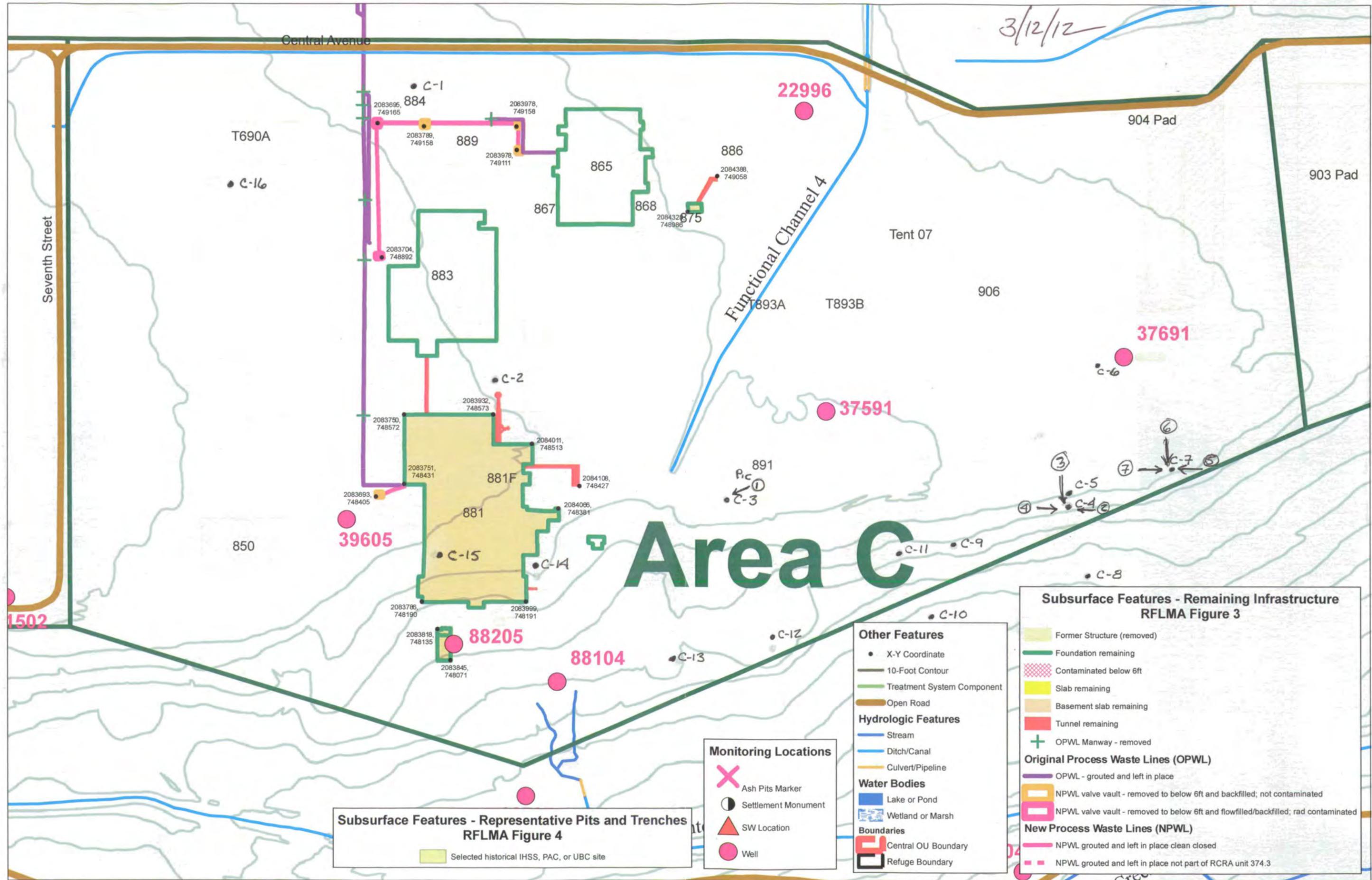
- Central OU Boundary
- Refuge Boundary

Monitoring Locations

- Ash Pits Marker
- Settlement Monument
- SW Location
- Well



3/12/12



Subsurface Features - Representative Pits and Trenches
RFLMA Figure 4

- Selected historical IHSS, PAC, or UBC site

Monitoring Locations

- Ash Pits Marker
- Settlement Monument
- SW Location
- Well

Other Features

- X-Y Coordinate
- 10-Foot Contour
- Treatment System Component
- Open Road

Hydrologic Features

- Stream
- Ditch/Canal
- Culvert/Pipeline

Water Bodies

- Lake or Pond
- Wetland or Marsh

Boundaries

- Central OU Boundary
- Refuge Boundary

Subsurface Features - Remaining Infrastructure
RFLMA Figure 3

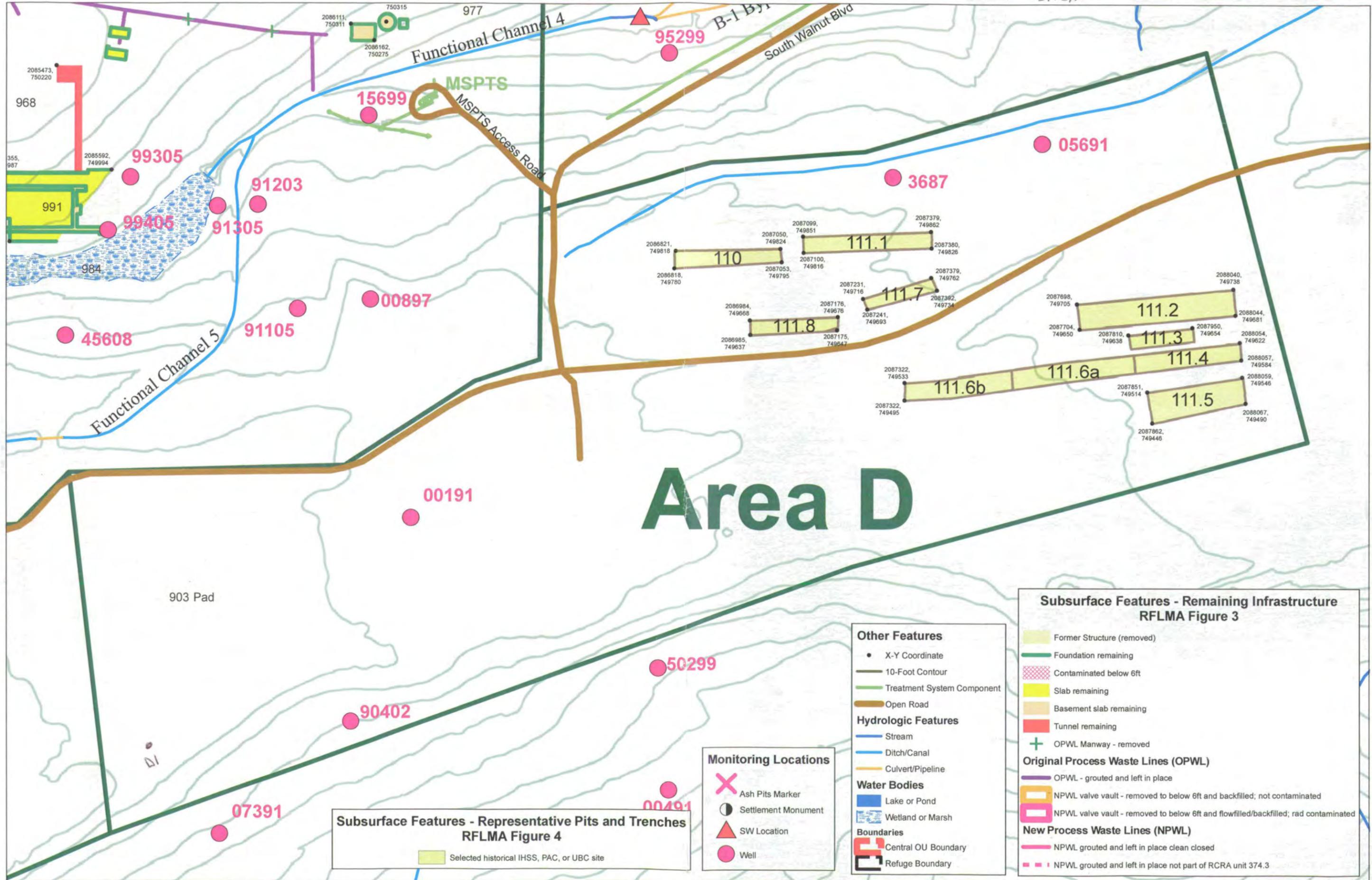
- Former Structure (removed)
- Foundation remaining
- Contaminated below 6ft
- Slab remaining
- Basement slab remaining
- Tunnel remaining
- OPWL Manway - removed

Original Process Waste Lines (OPWL)

- OPWL - grouted and left in place
- NPWL valve vault - removed to below 6ft and backfilled; not contaminated
- NPWL valve vault - removed to below 6ft and flowfilled/backfilled; rad contaminated

New Process Waste Lines (NPWL)

- NPWL grouted and left in place clean closed
- NPWL grouted and left in place not part of RCRA unit 374.3



Area D

Subsurface Features - Representative Pits and Trenches
 RFLMA Figure 4

Selected historical IHSS, PAC, or UBC site

Monitoring Locations

- Ash Pits Marker
- Settlement Monument
- SW Location
- Well

Other Features

- X-Y Coordinate
- 10-Foot Contour
- Treatment System Component
- Open Road

Hydrologic Features

- Stream
- Ditch/Canal
- Culvert/Pipeline

Water Bodies

- Lake or Pond
- Wetland or Marsh

Boundaries

- Central OU Boundary
- Refuge Boundary

Subsurface Features - Remaining Infrastructure
 RFLMA Figure 3

- Former Structure (removed)
- Foundation remaining
- Contaminated below 6ft
- Slab remaining
- Basement slab remaining
- Tunnel remaining
- OPWL Manway - removed

Original Process Waste Lines (OPWL)

- OPWL - grouted and left in place
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New Process Waste Lines (NPWL)

- NPWL grouted and left in place clean closed
- NPWL grouted and left in place not part of RCRA unit 374.3

**Subsurface Features - Remaining Infrastructure
RFLMA Figure 3**

- Former Structure (removed)
 - Foundation remaining
 - Contaminated below 6ft
 - Slab remaining
 - Basement slab remaining
 - Tunnel remaining
 - OPWL Manway - removed
- Original Process Waste Lines (OPWL)**
- OPWL - grouted and left in place
 - NPWL valve vault - removed to below 6ft and backfilled; not contaminated
 - NPWL valve vault - removed to below 6ft and flowfilled/backfilled; rad contaminated
- New Process Waste Lines (NPWL)**
- NPWL grouted and left in place clean closed
 - NPWL grouted and left in place not part of RCRA unit 374.3

Other Features

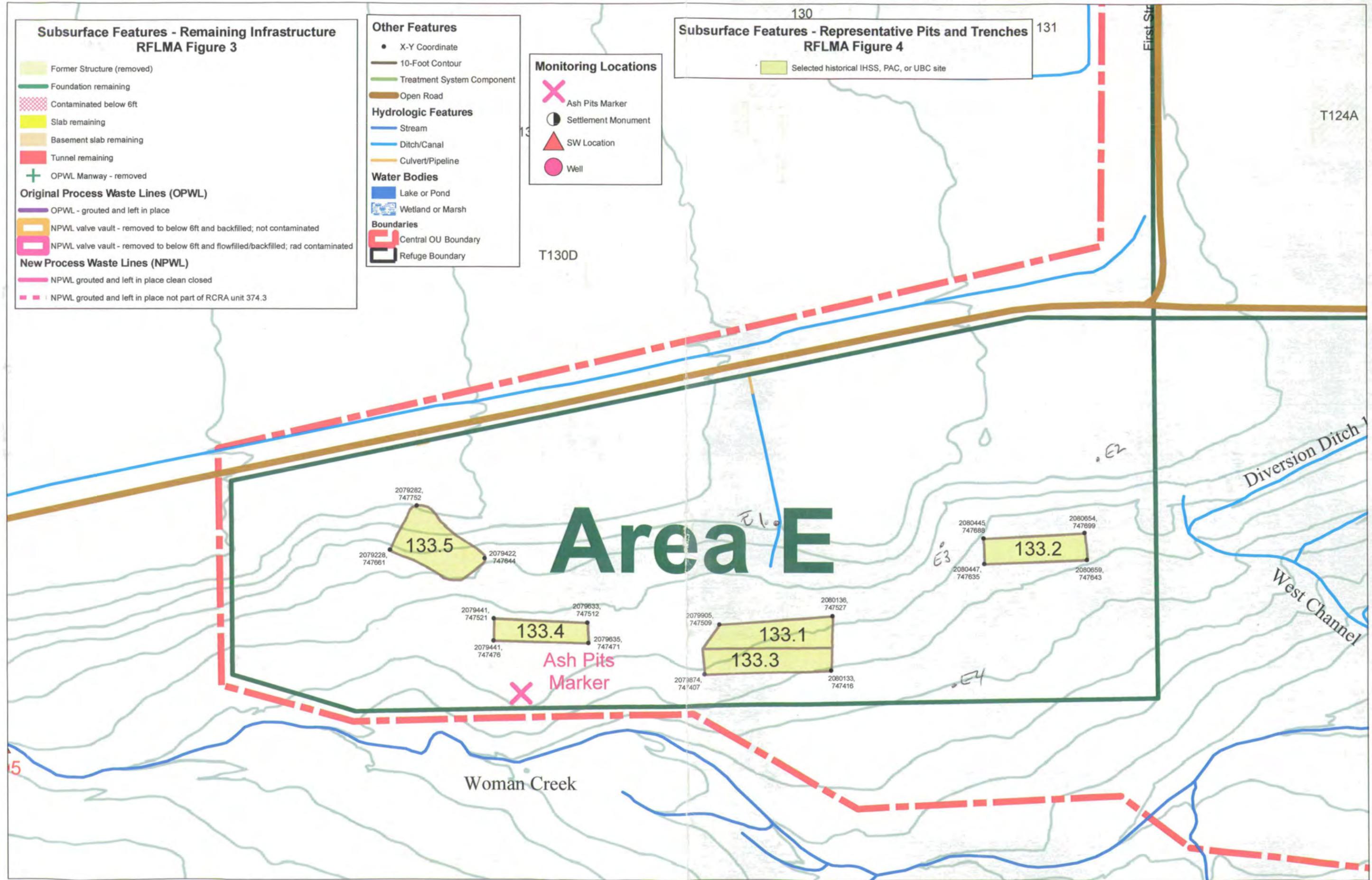
- X-Y Coordinate
 - 10-Foot Contour
 - Treatment System Component
 - Open Road
- Hydrologic Features**
- Stream
 - Ditch/Canal
 - Culvert/Pipeline
- Water Bodies**
- Lake or Pond
 - Wetland or Marsh
- Boundaries**
- Central OU Boundary
 - Refuge Boundary

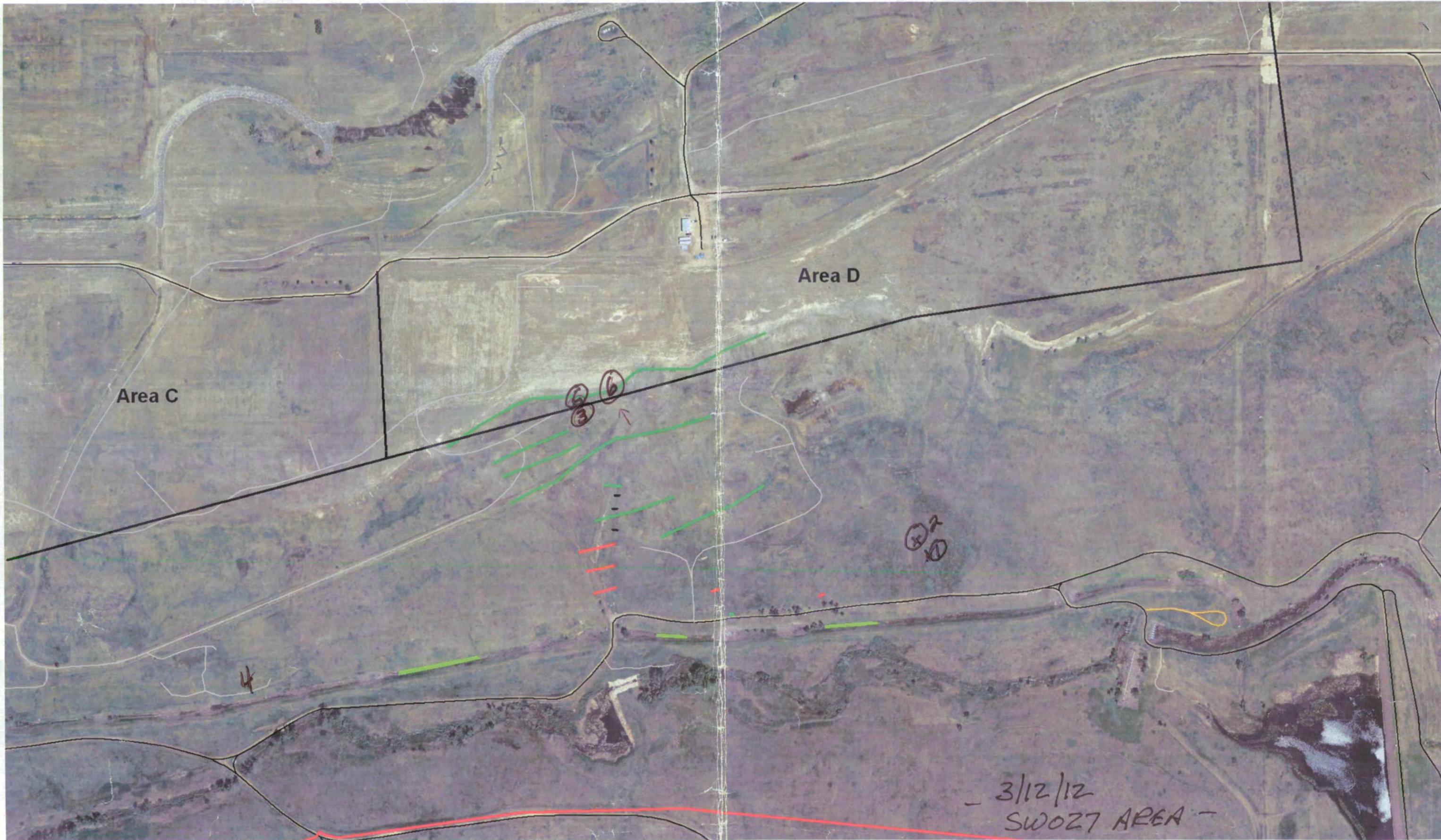
Monitoring Locations

- Ash Pits Marker
- Settlement Monument
- SW Location
- Well

**Subsurface Features - Representative Pits and Trenches
RFLMA Figure 4**

- Selected historical IHSS, PAC, or UBC site





Area C

Area D

6
3

2
1

4

3/12/12
SWOZ7 AREA

Handwritten scribble in blue ink at the bottom left corner.