


Legend

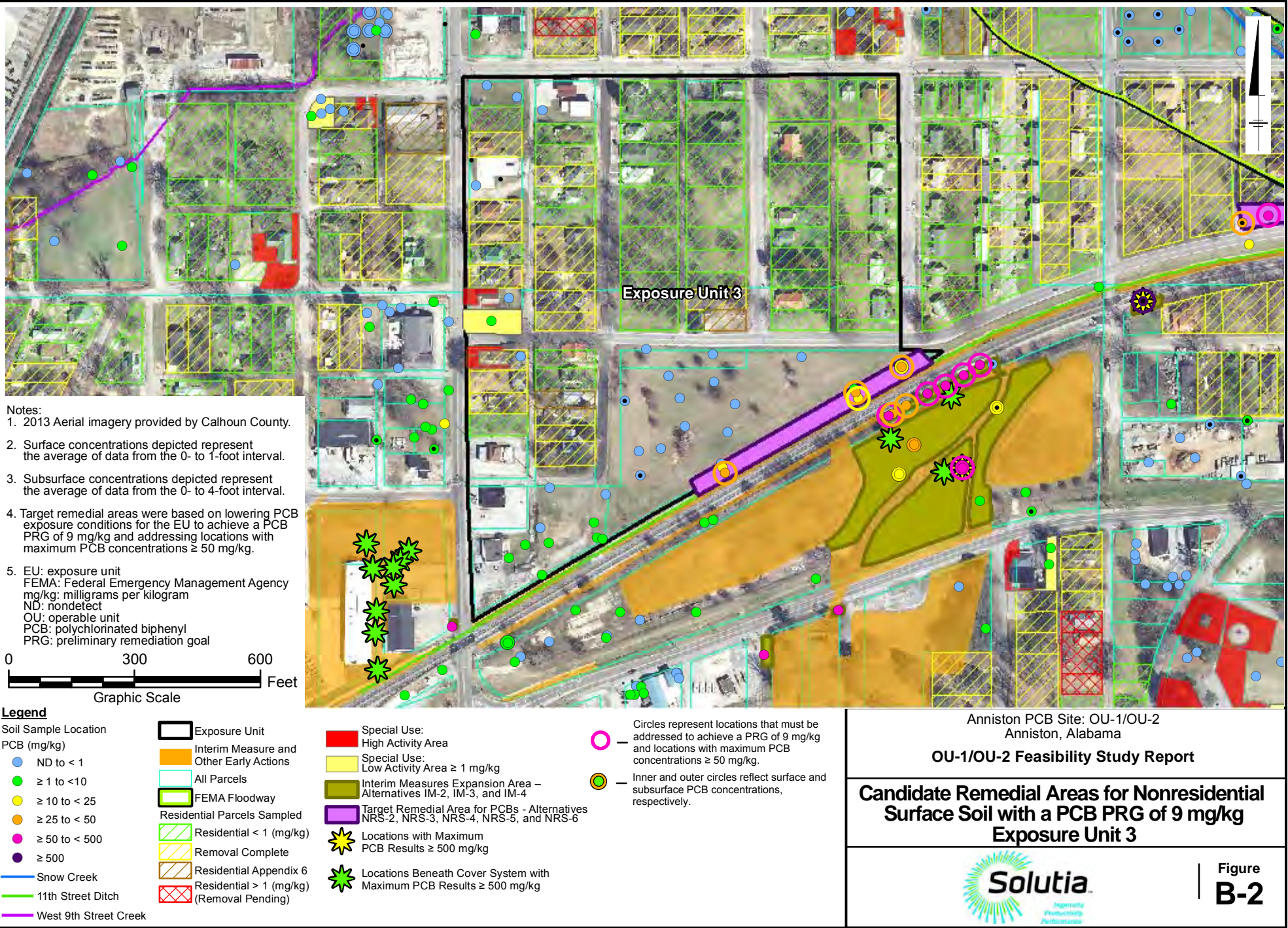
- Creek
- Major Roads
- OU-3 Boundary
- OU-4 100-Year Floodplain
- OU-1/OU-2 Downgradient Floodplain
- Parcels
- Exposure Unit with PCB EPC < 9 mg/kg
- Exposure Unit with PCB EPC ≥ 9 mg/kg
- Interim Measures Expansion Area – Alternatives IM-2, IM-3, and IM-4
- Target Remedial Area – Alternatives GW-2, GW-3, and GW-4
- Target Remedial Area for PCBs - Alternatives NRS-2, NRS-3, NRS-4, NRS-5, and NRS-6
- Unapproved Waste Disposal Area – Alternatives UWDA-2, UWDA-3, and UWDA-4
- Dredge Spoil Pile In-Place
- Target Remedial Areas for Other COCs - Alternatives NRS-2, NRS-3, NRS-4, NRS-5, and NRS-6

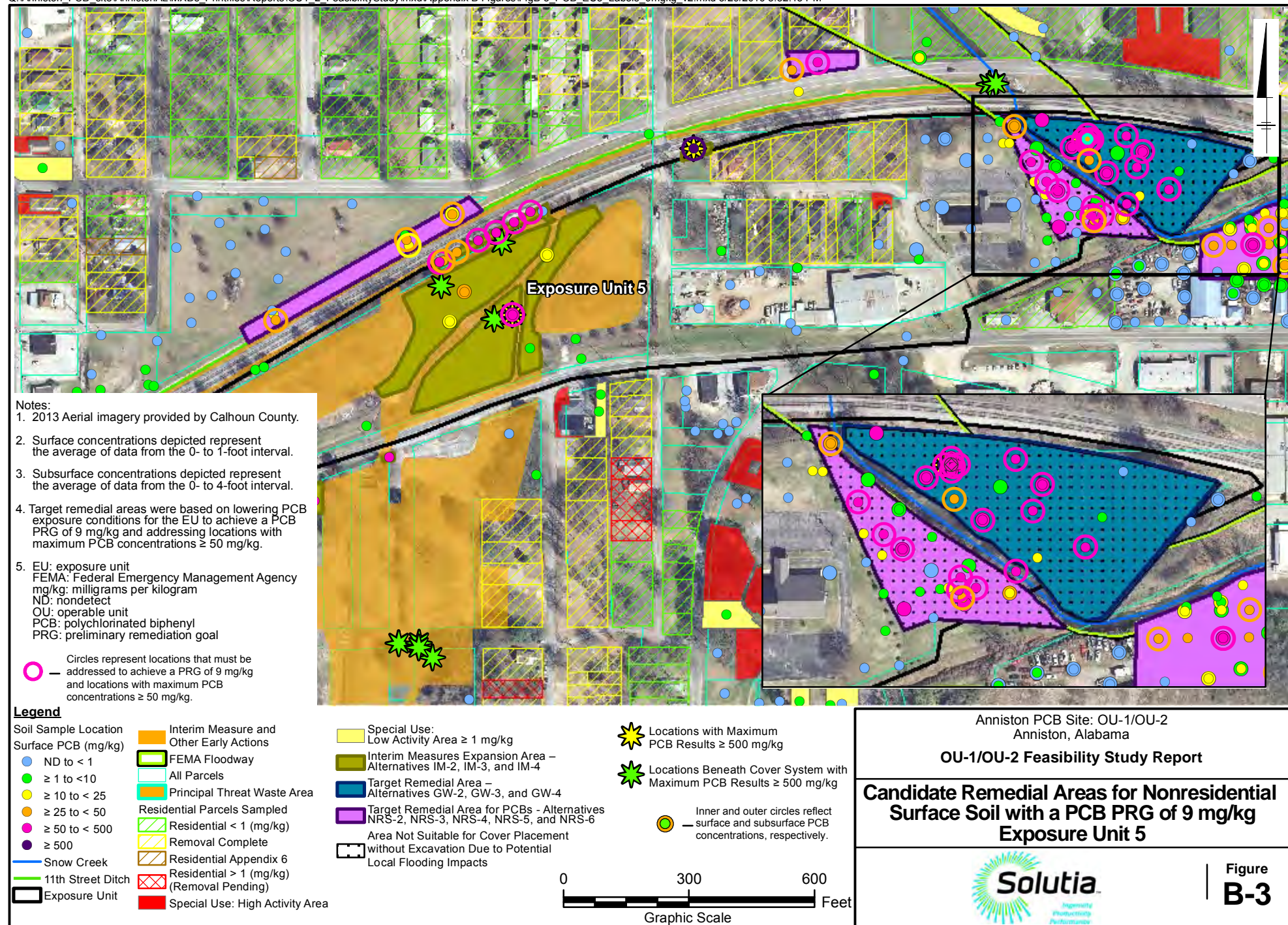
Anniston PCB Site: OU-1/OU-2
Anniston, Alabama

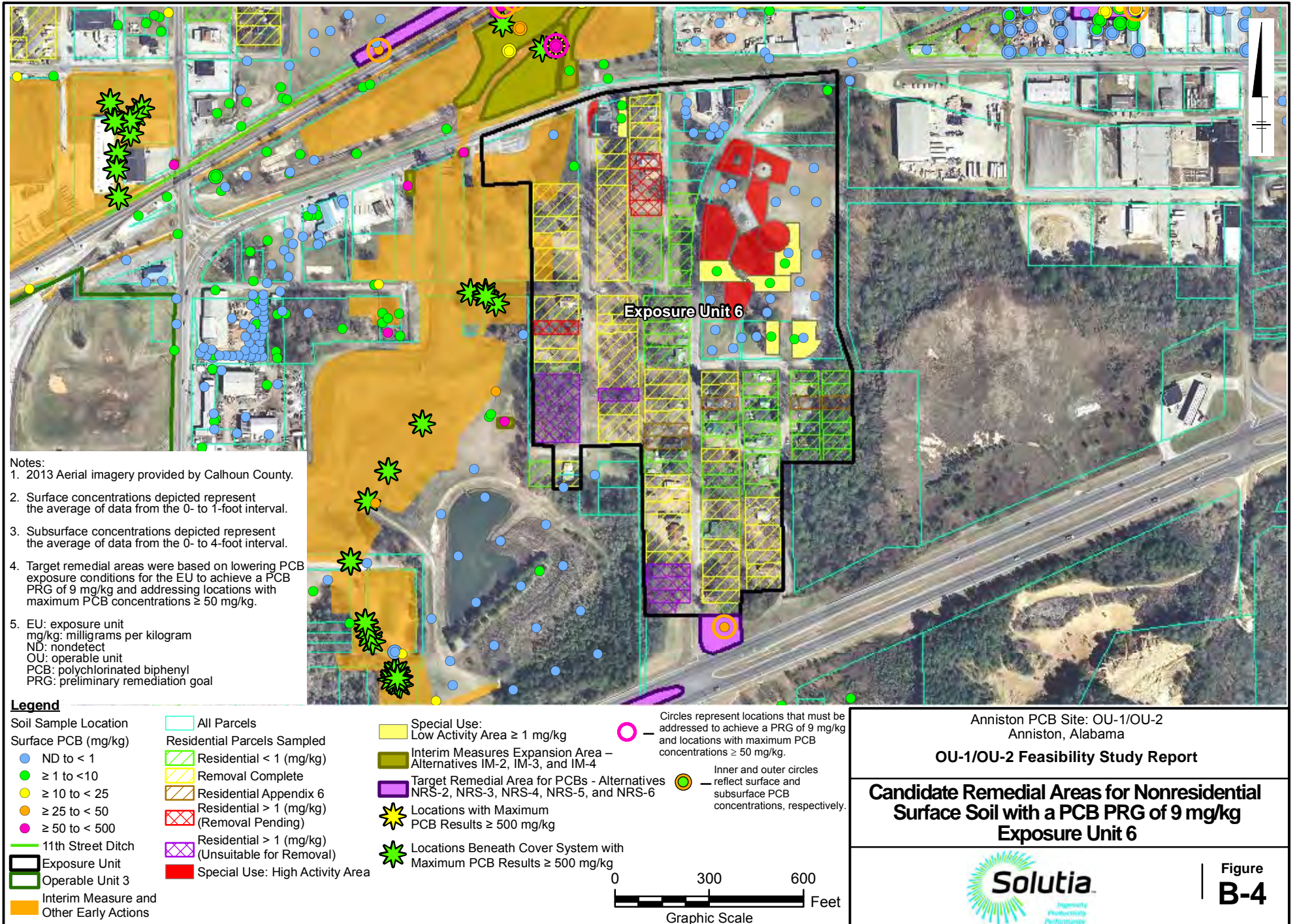
OU-1/OU-2 Feasibility Study Report

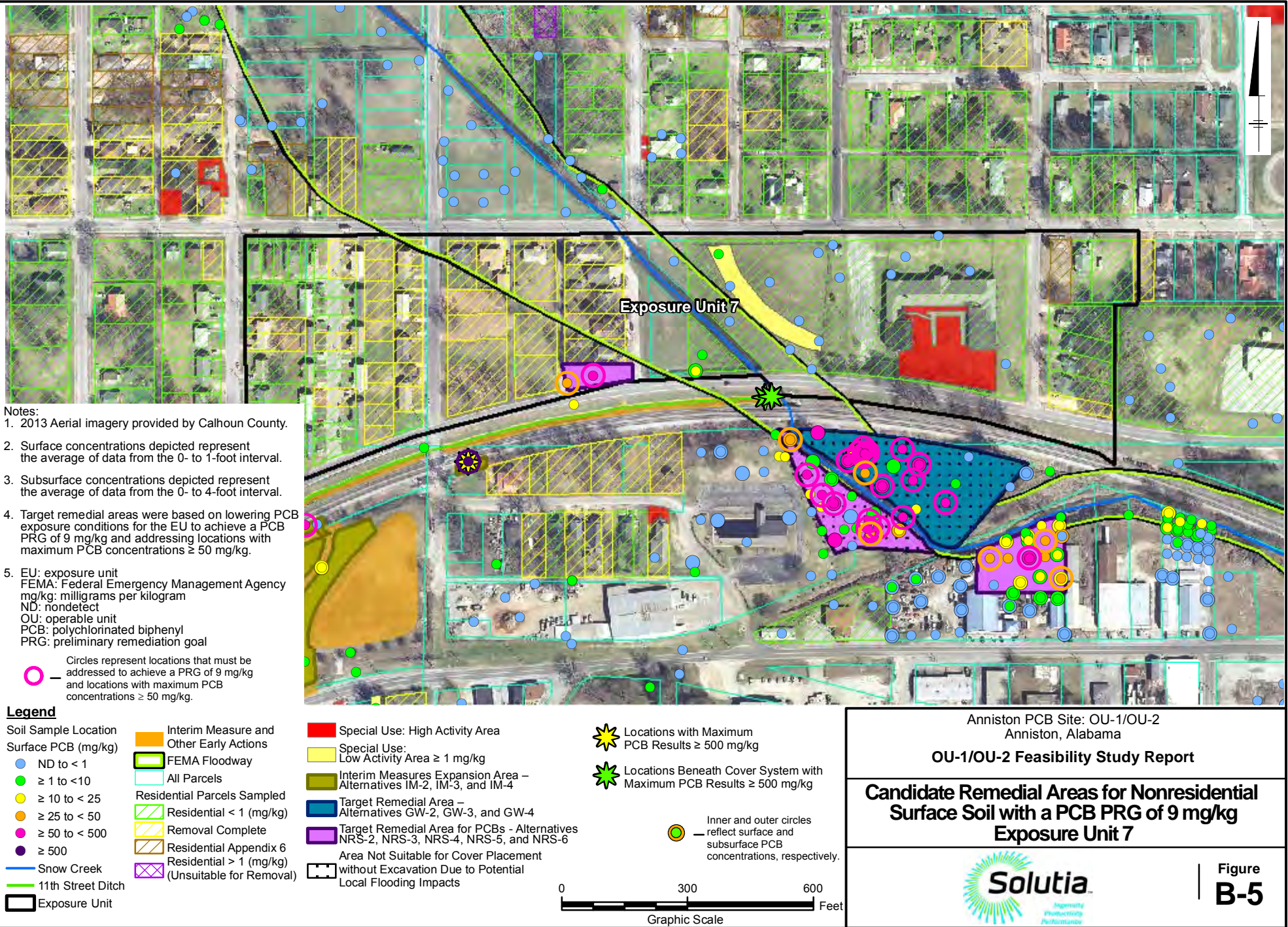
**Candidate Remedial Areas for
Nonresidential Surface Soil with
a PCB PRG of 9 mg/kg**

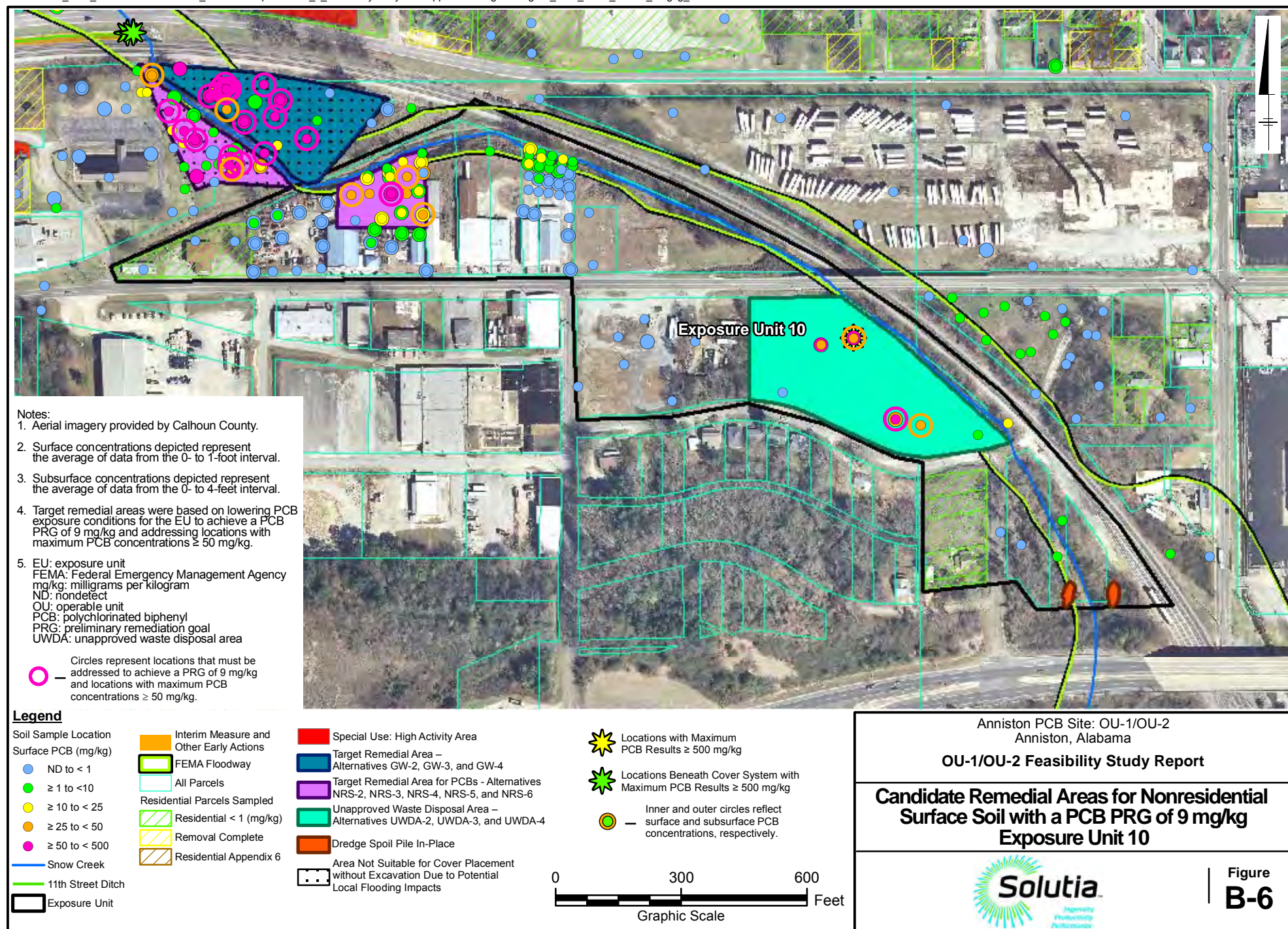
 **Figure
B-1**

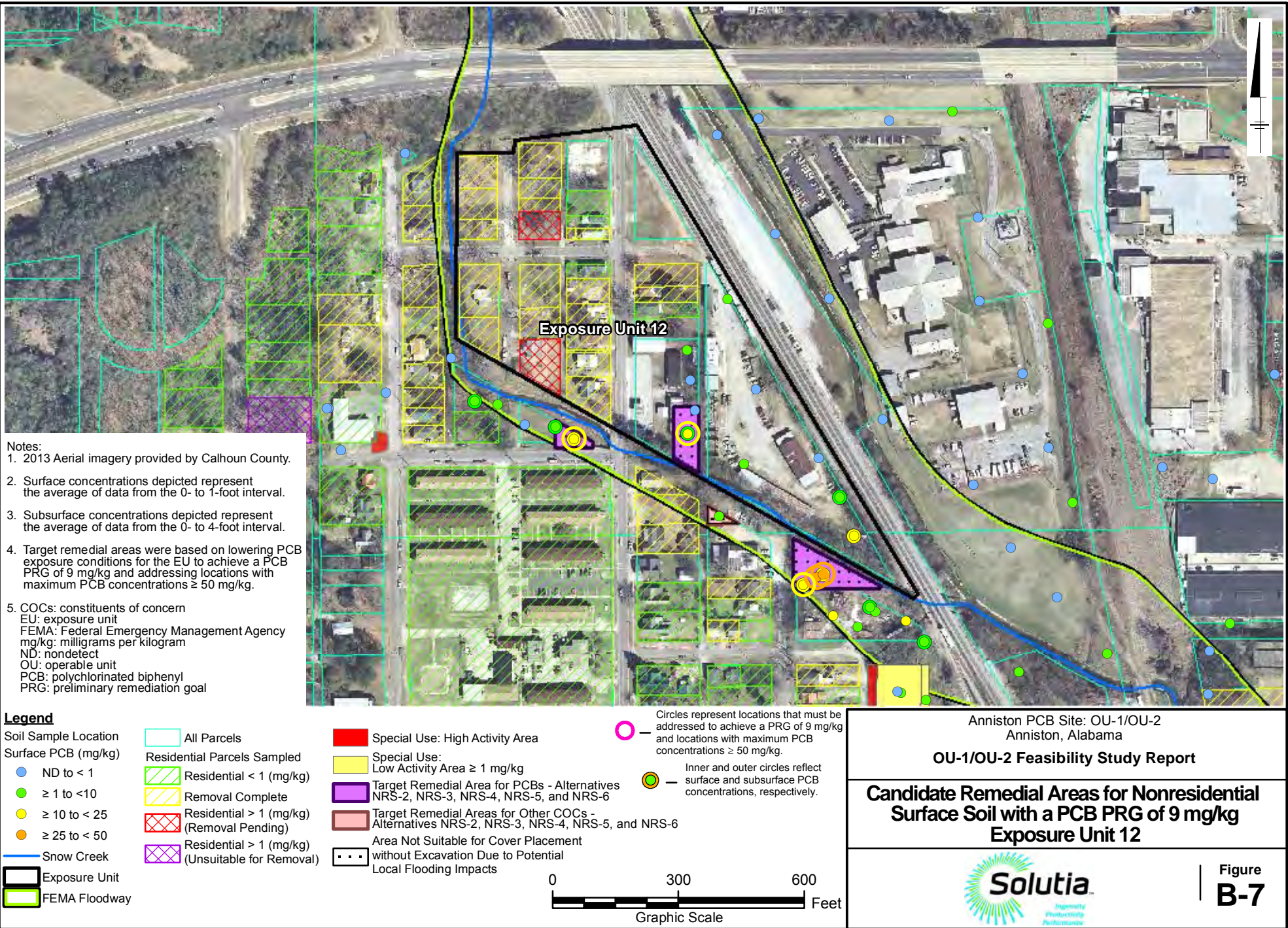


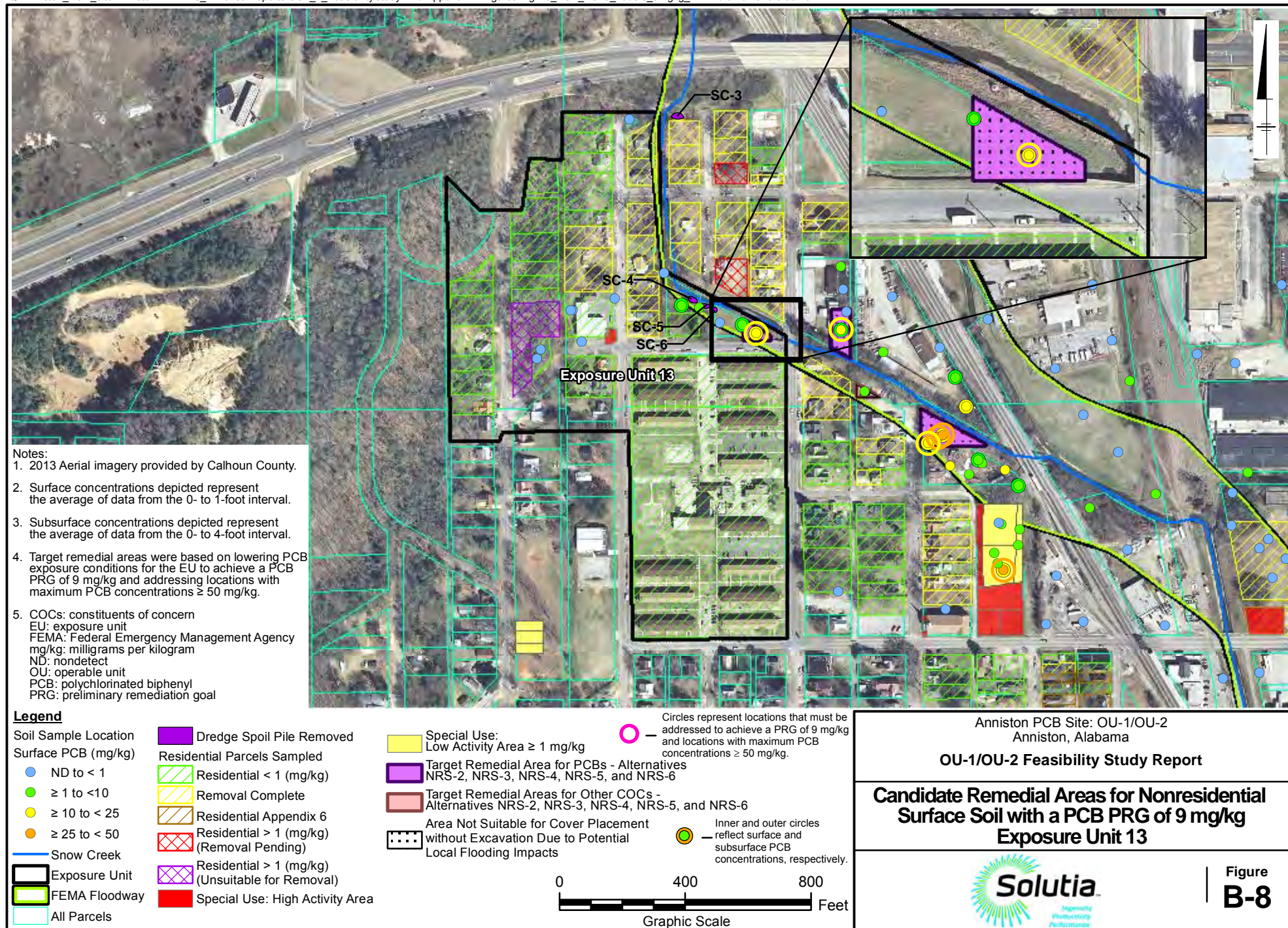


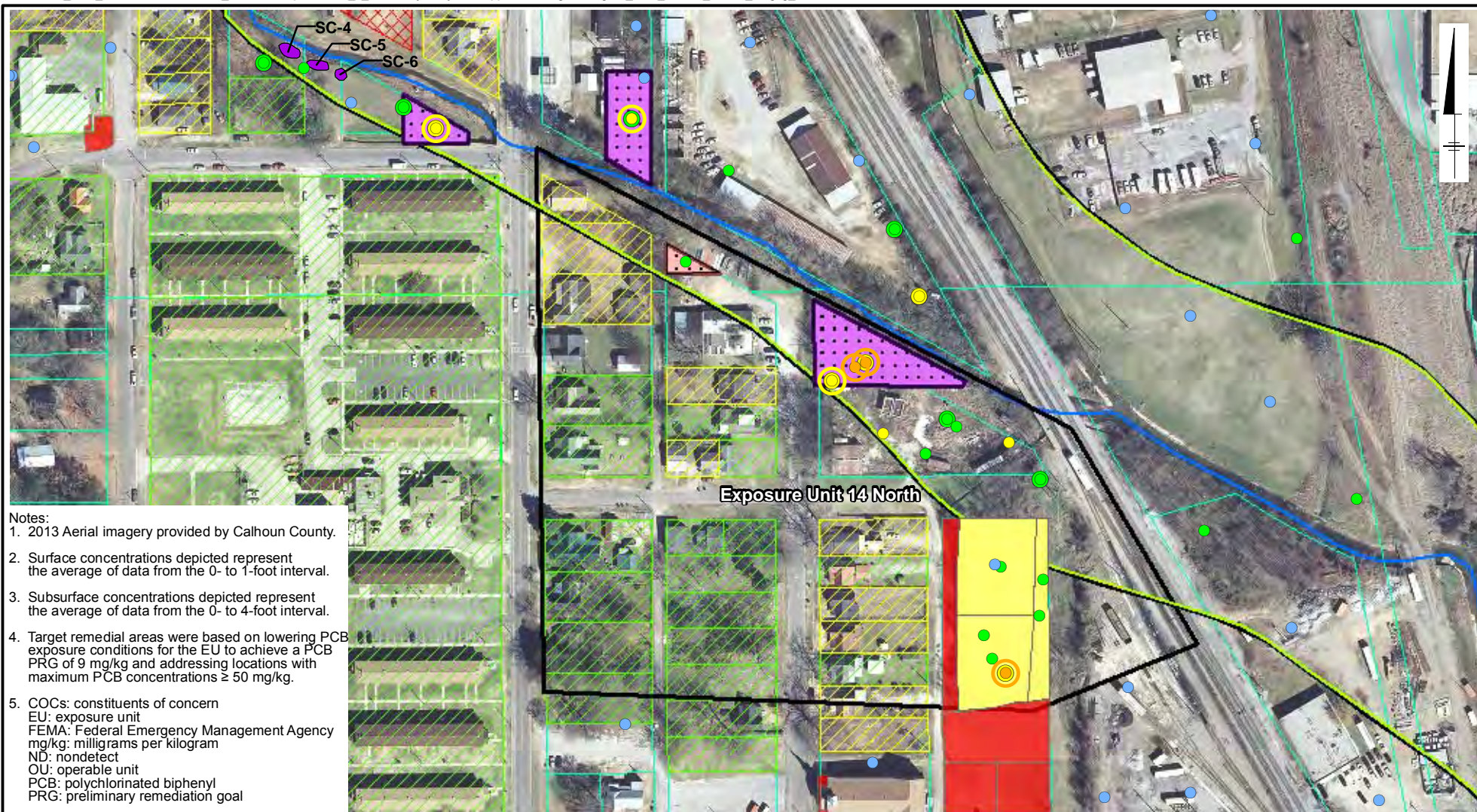












- Notes:
- 2013 Aerial imagery provided by Calhoun County.
 - Surface concentrations depicted represent the average of data from the 0- to 1-foot interval.
 - Subsurface concentrations depicted represent the average of data from the 0- to 4-foot interval.
 - Target remedial areas were based on lowering PCB exposure conditions for the EU to achieve a PCB PRG of 9 mg/kg and addressing locations with maximum PCB concentrations ≥ 50 mg/kg.
 - COCs: constituents of concern
 EU: exposure unit
 FEMA: Federal Emergency Management Agency
 mg/kg: milligrams per kilogram
 ND: nondetect
 OU: operable unit
 PCB: polychlorinated biphenyl
 PRG: preliminary remediation goal

Legend

Soil Sample Location

Surface PCB (mg/kg)

ND to < 1

≥ 1 to < 10

≥ 10 to < 25

≥ 25 to < 50

Snow Creek

Exposure Unit

FEMA Floodway

All Parcels

Dredge Spoil Pile Removed

Residential Parcels Sampled

Residential < 1 (mg/kg)

Removal Complete

Residential > 1 (mg/kg)

(Removal Pending)

Circles represent locations that must be addressed to achieve a PRG of 9 mg/kg and locations with maximum PCB concentrations ≥ 50 mg/kg.

Special Use: High Activity Area

Special Use: Low Activity Area ≥ 1 mg/kg

Target Remedial Area for PCBs - Alternatives NRS-2, NRS-3, NRS-4, NRS-5, and NRS-6

Target Remedial Areas for Other COCs - Alternatives NRS-2, NRS-3, NRS-4, NRS-5, and NRS-6

Area Not Suitable for Cover Placement without Excavation Due to Potential Local Flooding Impacts

Inner and outer circles reflect surface and subsurface PCB concentrations, respectively.

Graphic Scale

0 200 400 Feet

Anniston PCB Site: OU-1/OU-2
 Anniston, Alabama

OU-1/OU-2 Feasibility Study Report

Candidate Remedial Areas for Nonresidential Surface Soil with a PCB PRG of 9 mg/kg
 Exposure Unit 14 North

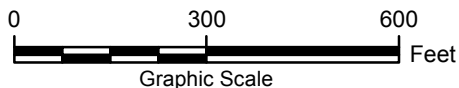
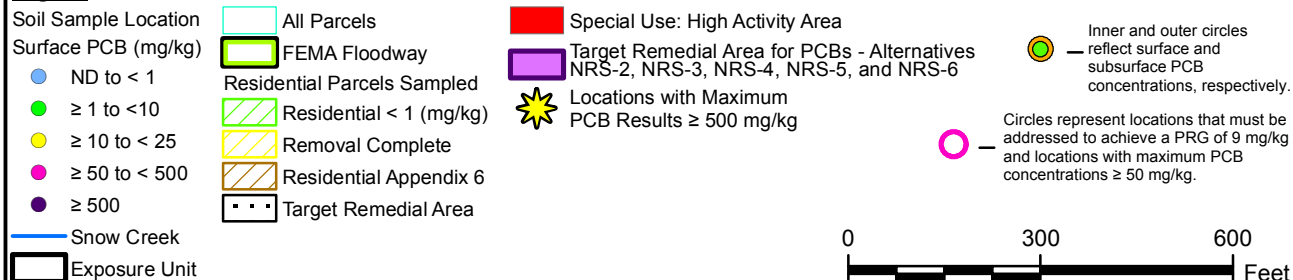
Solutia
 Ingenuity
 Productivity
 Performance

Figure B-9



- Notes:**
- 2013 Aerial imagery provided by Calhoun County.
 - Surface concentrations depicted represent the average of data from the 0- to 1-foot interval.
 - Subsurface concentrations depicted represent the average of data from the 0- to 4-foot interval.
 - Target remedial areas were based on lowering PCB exposure conditions for the EU to achieve a PCB PRG of 9 mg/kg and addressing locations with maximum PCB concentrations ≥ 50 mg/kg.
 - EU: exposure unit
 FEMA: Federal Emergency Management Agency
 mg/kg: milligrams per kilogram
 ND: nondetect
 OU: operable unit
 PCB: polychlorinated biphenyl
 PRG: preliminary remediation goal

Legend



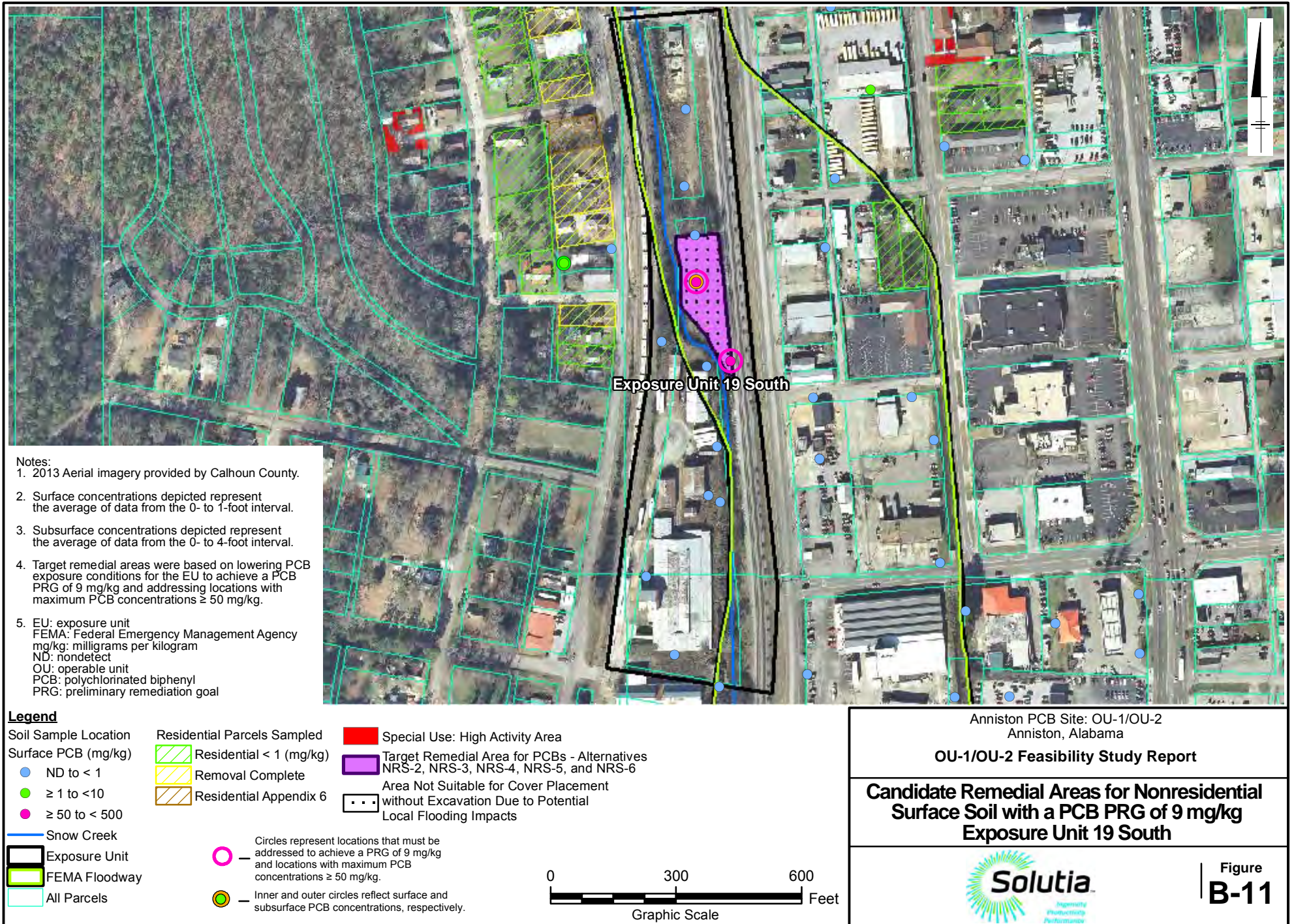
Anniston PCB Site: OU-1/OU-2
 Anniston, Alabama

OU-1/OU-2 Feasibility Study Report

Candidate Remedial Areas for Nonresidential Surface Soil with a PCB PRG of 9 mg/kg Exposure Unit 19 North



Figure
B-10





Notes:

- 2013 Aerial imagery provided by Calhoun County.
- Surface concentrations depicted represent the average of data from the 0- to 1-foot interval.
- Subsurface concentrations depicted represent the average of data from the 0- to 4-foot interval.
- Target remedial areas were based on lowering PCB exposure conditions for the EU to achieve a PCB PRG of 9 mg/kg and addressing locations with maximum PCB concentrations ≥ 50 mg/kg.
- A chromium value exceeding the PRG is also being addressed by areas targeted for PCBs.
- COCs: constituents of concern
EU: exposure unit
FEMA: Federal Emergency Management Agency
mg/kg: milligrams per kilogram
ND: nondetect
OU: operable unit
PCB: polychlorinated biphenyl
PRG: preliminary remediation goal

Legend

Soil Sample Location

Surface PCB (mg/kg)

● ND to < 1

● ≥ 1 to < 10

● ≥ 10 to < 25

● ≥ 25 to < 50

— Snow Creek

— Exposure Unit

— Interim Measure and

Other Early Actions

— FEMA Floodway

— All Parcels

Residential Parcels Sampled

— Residential < 1 (mg/kg)

— Removal Complete

— Residential Appendix 6

— Residential > 1 (mg/kg)

(Unsuitable for Removal)

Circles represent locations that must be addressed to achieve a PRG of 9 mg/kg and locations with maximum PCB concentrations ≥ 50 mg/kg.

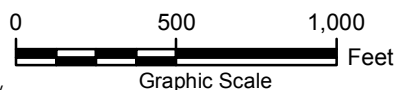
— Special Use: High Activity Area

— Target Remedial Area for PCBs - Alternatives NRS-2, NRS-3, NRS-4, NRS-5, and NRS-6

— Dredge Spoil Pile In-Place

— Target Remedial Areas for Other COCs - Alternatives NRS-2, NRS-3, NRS-4, NRS-5, and NRS-6

Inner and outer circles reflect surface and subsurface PCB concentrations, respectively.



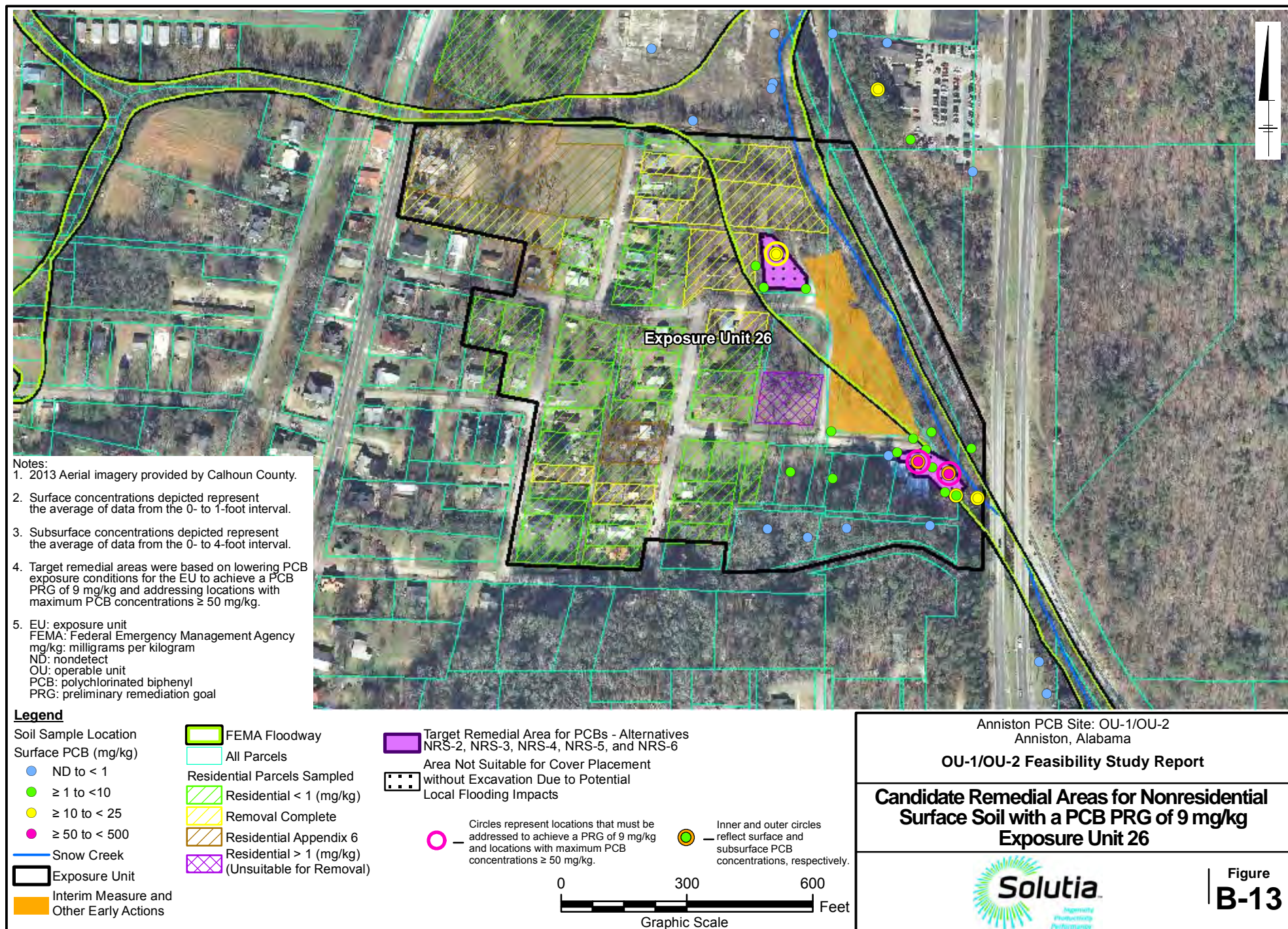
Anniston PCB Site: OU-1/OU-2
Anniston, Alabama

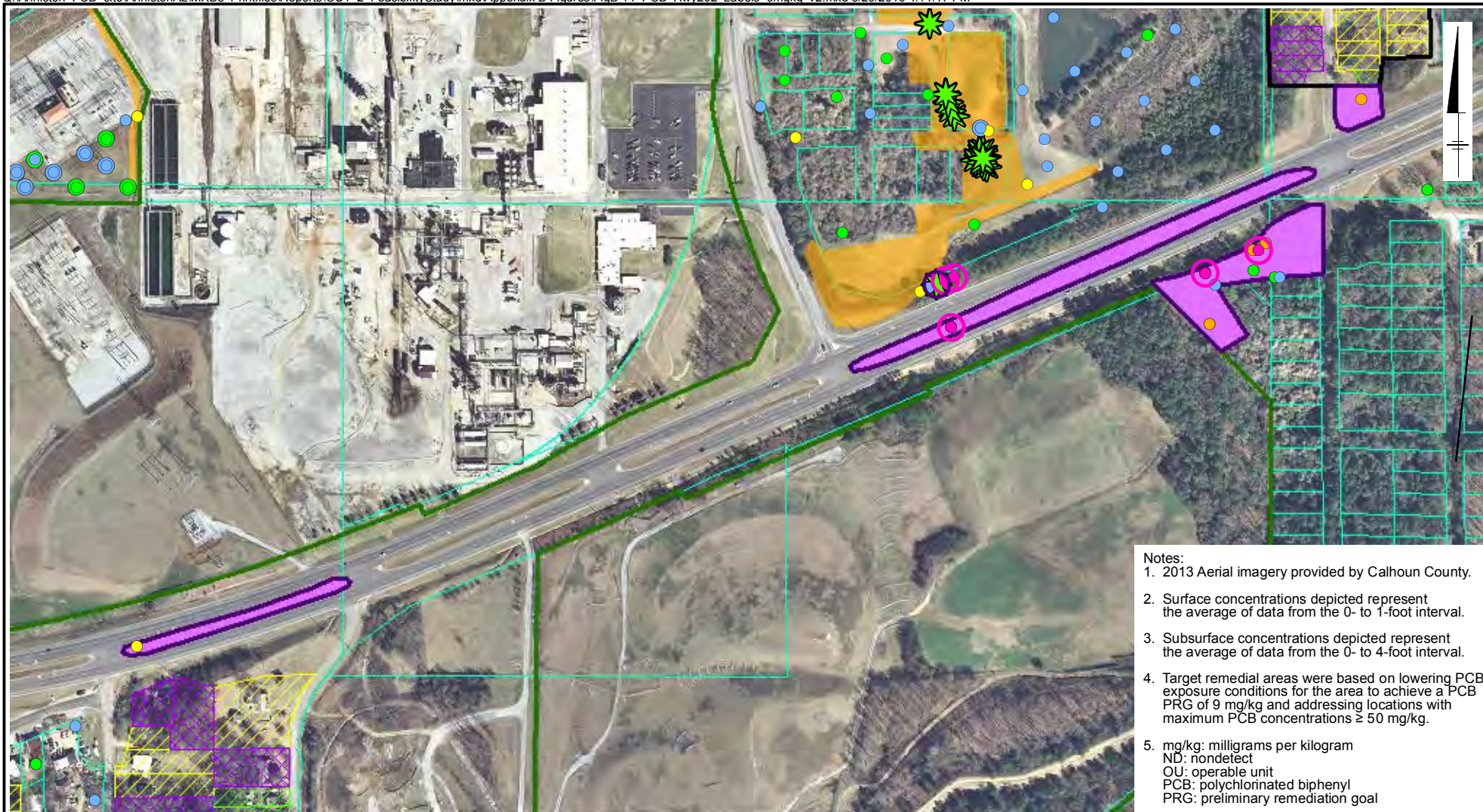
OU-1/OU-2 Feasibility Study Report

Candidate Remedial Areas for Nonresidential Surface Soil with a PCB PRG of 9 mg/kg Exposure Unit 24



Figure
B-12





Notes:

1. 2013 Aerial imagery provided by Calhoun County.
2. Surface concentrations depicted represent the average of data from the 0- to 1-foot interval.
3. Subsurface concentrations depicted represent the average of data from the 0- to 4-foot interval.
4. Target remedial areas were based on lowering PCB exposure conditions for the area to achieve a PCB PRG of 9 mg/kg and addressing locations with maximum PCB concentrations ≥ 50 mg/kg.
5. mg/kg: milligrams per kilogram
ND: nondetect
OU: operable unit
PCB: polychlorinated biphenyl
PRG: preliminary remediation goal

Legend

Soil Sample Location
Surface PCB (mg/kg)

- ND to < 1
- ≥ 1 to < 10
- ≥ 10 to < 25
- ≥ 25 to < 50
- ≥ 50 to < 500

Exposure Unit

Interim Measure and
Other Early Actions

Operable Unit 3

All Parcels

Residential Parcels Sampled

Residential < 1 (mg/kg)

Removal Complete

Residential > 1 (mg/kg)
(Unsuitable for Removal)

Interim Measures Expansion Area –
Alternatives IM-2, IM-3, and IM-4

Target Remedial Area for PCBs - Alternatives
NRS-2, NRS-3, NRS-4, NRS-5, and NRS-6

Locations Beneath Cover System with
Maximum PCB Results ≥ 500 mg/kg

Circles represent locations that must be
addressed to achieve a PCB PRG of 9 mg/kg
and locations with maximum PCB
concentrations ≥ 50 mg/kg.

Inner and outer circles
reflect surface and
subsurface PCB
concentrations, respectively.

0 400 800
Feet
Graphic Scale

Anniston PCB Site: OU-1/OU-2
Anniston, Alabama

OU-1/OU-2 Feasibility Study Report

**Candidate Remedial Areas for Nonresidential
Surface Soil with a PCB PRG of 9 mg/kg
Highway 202 Area**



Figure
B-14



Notes:

- 2013 Aerial imagery provided by Calhoun County.
- Surface concentrations depicted represent the average of data from the 0- to 1-foot interval.
- Subsurface concentrations depicted represent the average of data from the 0- to 4-foot interval.
- Target remedial areas were based on lowering PCB exposure conditions for the area to achieve a PCB PRG of 9 mg/kg and addressing locations with maximum PCB concentrations ≥ 50 mg/kg.
- mg/kg: milligrams per kilogram
ND: nondetect
OU: operable unit
PAHs: polycyclic aromatic hydrocarbons
PCB: polychlorinated biphenyl
PRG: preliminary remediation goal
UWDA: unapproved waste disposal area

Legend

Soil Sample Location

Surface PCB (mg/kg)

- ND or < 1
- ≥ 1 or < 10
- ≥ 10 to < 25
- ≥ 25 to < 50
- ≥ 50 to < 500
- ≥ 500

Exposure Unit

Operable Unit 3

All Parcels

Residential Parcels Sampled

- Residential < 1 (mg/kg)
- Removal Complete
- Residential Appendix 6
- Residential > 1 (mg/kg) (Removal Pending)
- Residential > 1 (mg/kg) (Unsuitable for Removal)

Special Use: High Activity Area

Special Use: Low Activity Area ≥ 1 mg/kg

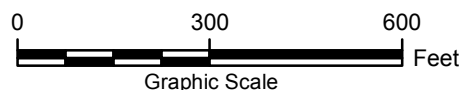
Target Remedial Area for PCBs - Alternatives NRS-2, NRS-3, NRS-4, NRS-5, and NRS-6

Unapproved Waste Disposal Area - Alternatives UWDA-2, UWDA-3, and UWDA-4

Locations with Maximum PCB Results ≥ 500 mg/kg

Circles represent locations that must be addressed to achieve a PCB PRG of 9 mg/kg and locations with maximum PCB concentrations ≥ 50 mg/kg.

Inner and outer circles reflect surface and subsurface PCB concentrations, respectively.



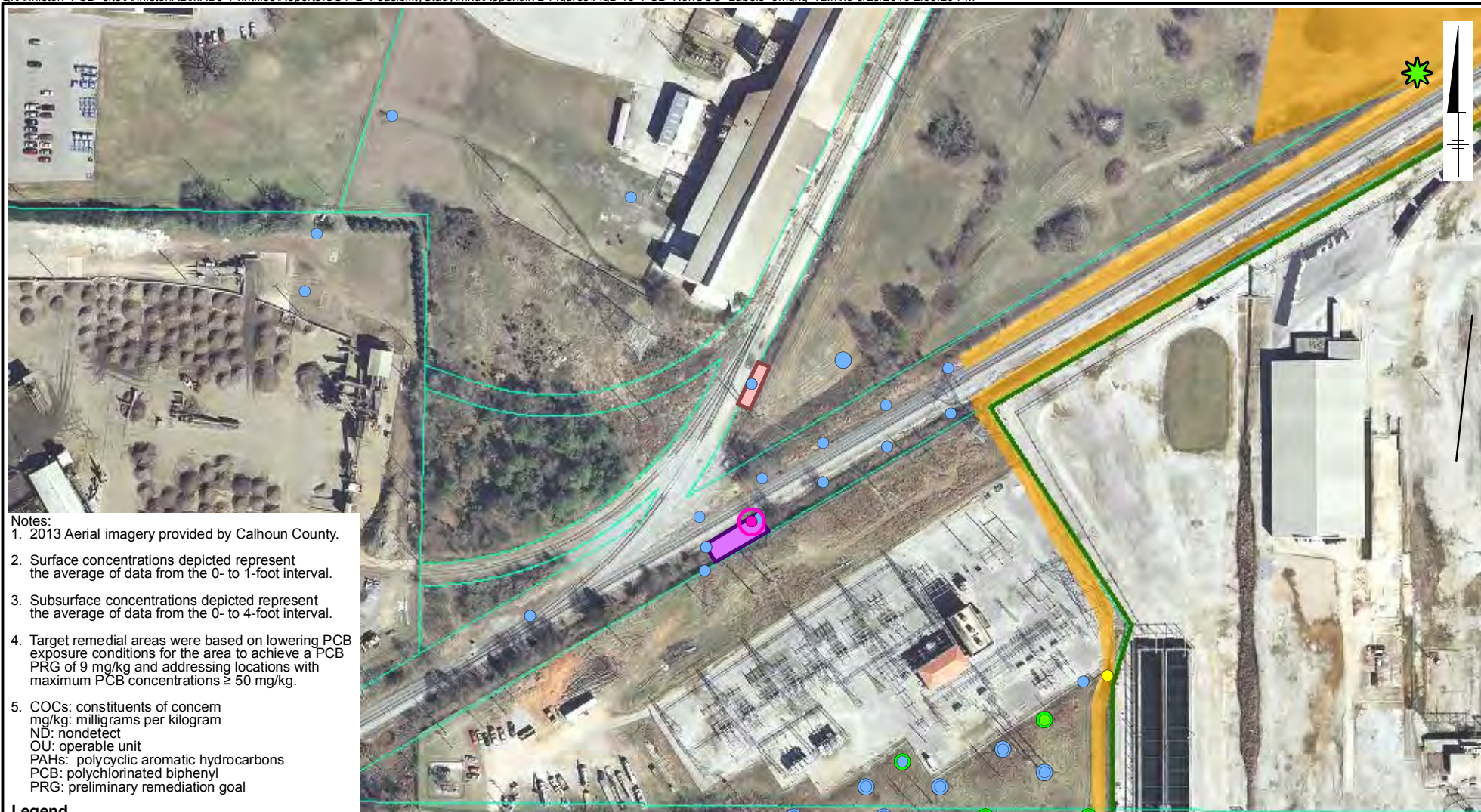
Anniston PCB Site: OU-1/OU-2
Anniston, Alabama

OU-1/OU-2 Feasibility Study Report

Candidate Remedial Areas for Nonresidential Surface Soil with a PCB PRG of 9 mg/kg West of Exposure Unit 1



Figure
B-15



Notes:

- 2013 Aerial imagery provided by Calhoun County.
- Surface concentrations depicted represent the average of data from the 0- to 1-foot interval.
- Subsurface concentrations depicted represent the average of data from the 0- to 4-foot interval.
- Target remedial areas were based on lowering PCB exposure conditions for the area to achieve a PCB PRG of 9 mg/kg and addressing locations with maximum PCB concentrations ≥ 50 mg/kg.
- COCs: constituents of concern
mg/kg: milligrams per kilogram
ND: nondetect
OU: operable unit
PAHs: polycyclic aromatic hydrocarbons
PCB: polychlorinated biphenyl
PRG: preliminary remediation goal

Legend

Soil Sample Location
Surface PCB (mg/kg)

- ND to < 1
- ≥ 1 to < 10
- ≥ 10 to < 25
- ≥ 25 to < 50
- ≥ 50 to < 500

Exposure Unit

- Interim Measure and Other Early Actions
- Operable Unit 3
- All Parcels

Target Remedial Area for PCBs - Alternatives NRS-2, NRS-3, NRS-4, NRS-5, and NRS-6

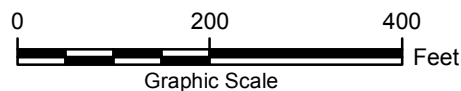
Target Remedial Areas for Other COCs - Alternatives NRS-2, NRS-3, NRS-4, NRS-5, and NRS-6



Locations Beneath Cover System with Maximum PCB Results ≥ 500 mg/kg

Circles represent locations that must be addressed to achieve a PCB PRG of 9 mg/kg and locations with maximum PCB concentrations ≥ 50 mg/kg.

Inner and outer circles
— reflect surface and subsurface PCB concentrations, respectively.



Anniston PCB Site: OU-1/OU-2
Anniston, Alabama

OU-1/OU-2 Feasibility Study Report

Candidate Remedial Areas for Nonresidential Surface Soil with a PCB PRG of 9 mg/kg North of APCO



Figure
B-16



Legend

Soil Sample Location
Surface PCB (mg/kg)

- ND to < 1
- ≥ 1 to < 10
- ≥ 10 to < 25
- ≥ 25 to < 50
- ≥ 50 to < 500

Exposure Unit

Interim Measure and
Other Early Actions

Operable Unit 3

All Parcels

Target Remedial Area for PCBs - Alternatives
NRS-2, NRS-3, NRS-4, NRS-5, and NRS-6

Target Remedial Areas for Other COCs -
Alternatives NRS-2, NRS-3, NRS-4, NRS-5, and NRS-6



Locations Beneath Cover System with
Maximum PCB Results ≥ 500 mg/kg



Inner and outer circles
reflect surface and
subsurface PCB
concentrations, respectively.

0 200 400
Feet
Graphic Scale

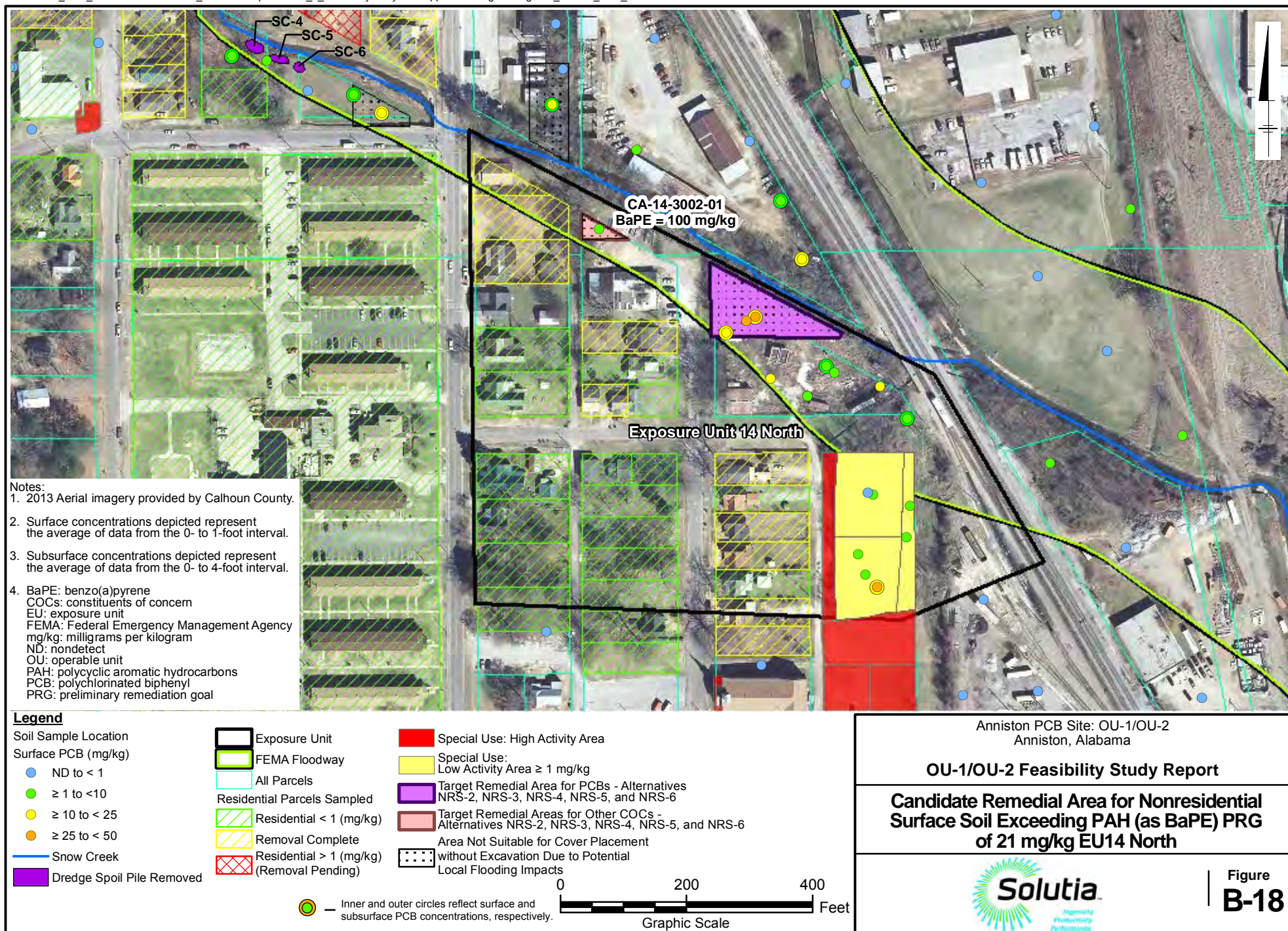
Anniston PCB Site: OU-1/OU-2
Anniston, Alabama

OU-1/OU-2 Feasibility Study Report

**Candidate Remedial Area for Nonresidential
Surface Soil Exceeding PAH (as BaPE) PRG of
21 mg/kg Northside Area**



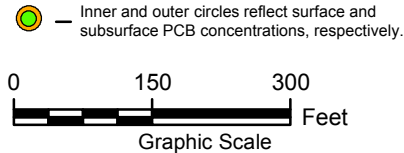
Figure
B-17





- Notes:
- 2013 Aerial imagery provided by Calhoun County.
 - Surface concentrations depicted represent the average of data from the 0- to 1-foot interval.
 - Subsurface concentrations depicted represent the average of data from the 0- to 4-foot interval.
 - Surface soil sample in EU24 exceeds chromium PRG of 568 mg/kg.
 - PCDD/DF exceedance is located in EU25.
 - COCs: constituents of concern
EU: exposure unit
FEMA: Federal Emergency Management Agency
mg/kg: milligrams per kilogram
ND: nondetect
OU: operable unit
PCB: polychlorinated biphenyl
PCDD/DF: polychlorinated dibenzo-p-dioxin/dibenzofurans
PRG: preliminary remediation goal
TEQ: toxic equivalent
µg/kg: micrograms per kilogram


- Legend**
- | | |
|----------------------|---|
| Soil Sample Location | Exposure Unit |
| Surface PCB (mg/kg) | FEMA Floodway |
| ● ND to < 1 | All Parcels |
| ● ≥ 1 to <10 | Target Remedial Area for PCBs - Alternatives NRS-2, NRS-3, NRS-4, NRS-5, and NRS-6 |
| ● ≥ 10 to < 25 | Dredge Spoil Pile In-Place |
| ● ≥ 25 to < 50 | Target Remedial Areas for Other COCs - Alternatives NRS-2, NRS-3, NRS-4, NRS-5, and NRS-6 |
| ● ≥ 50 to < 500 | |
| — Snow Creek | |



Anniston PCB Site: OU-1/OU-2
Anniston, Alabama

OU-1/OU-2 Feasibility Study Report

Candidate Remedial Area for Nonresidential Surface Soil Exceeding PCDD/DF TEQ PRG of 0.6 µg/kg EU25

 **Figure B-19**

