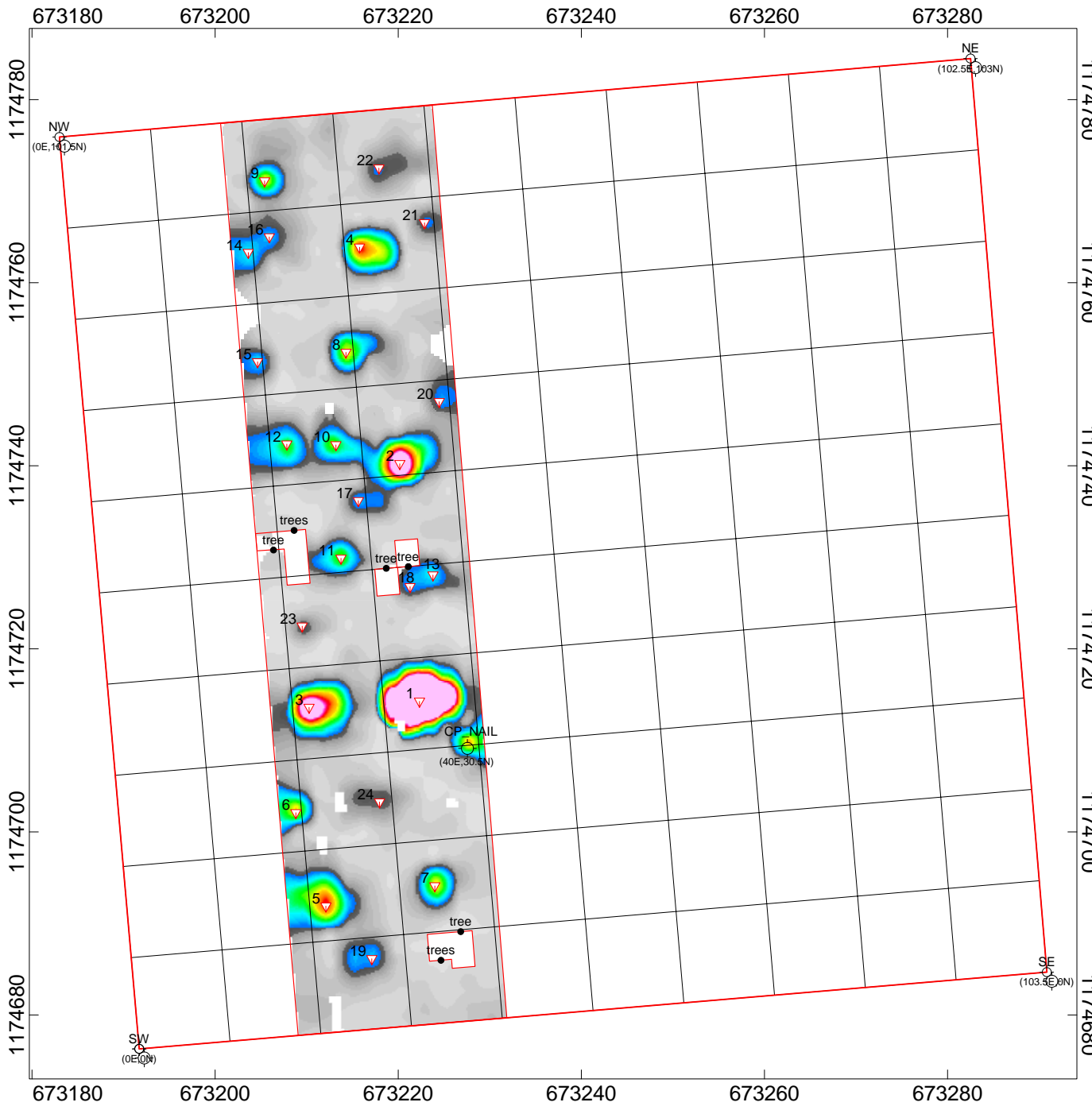
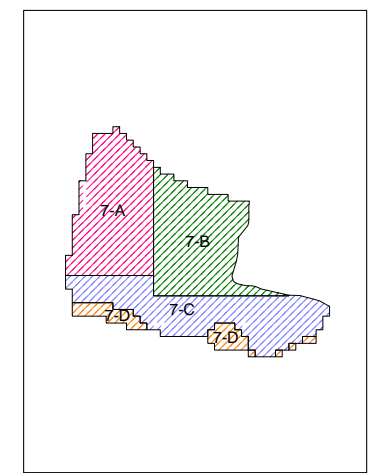
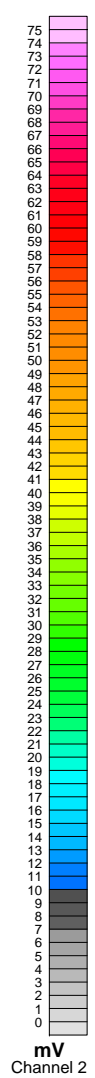


Appendix A
GPO Certifications

GPO Certifications
Processed Data

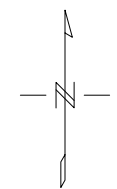


1174780
1174760
1174740
1174720
1174700
1174680



Legend

- Area of Investigation
(All gaps represent trees unless otherwise noted)
- Tract Boundary
- 2 ▽ Selected Target
(See Target Pick List For Response and Location)
(Unique Target ID is 0312GPO1XXX, eg. 0312GPO1002)
- Surveyed Control Point
GPO not located within MRS-7



Scale 1:200



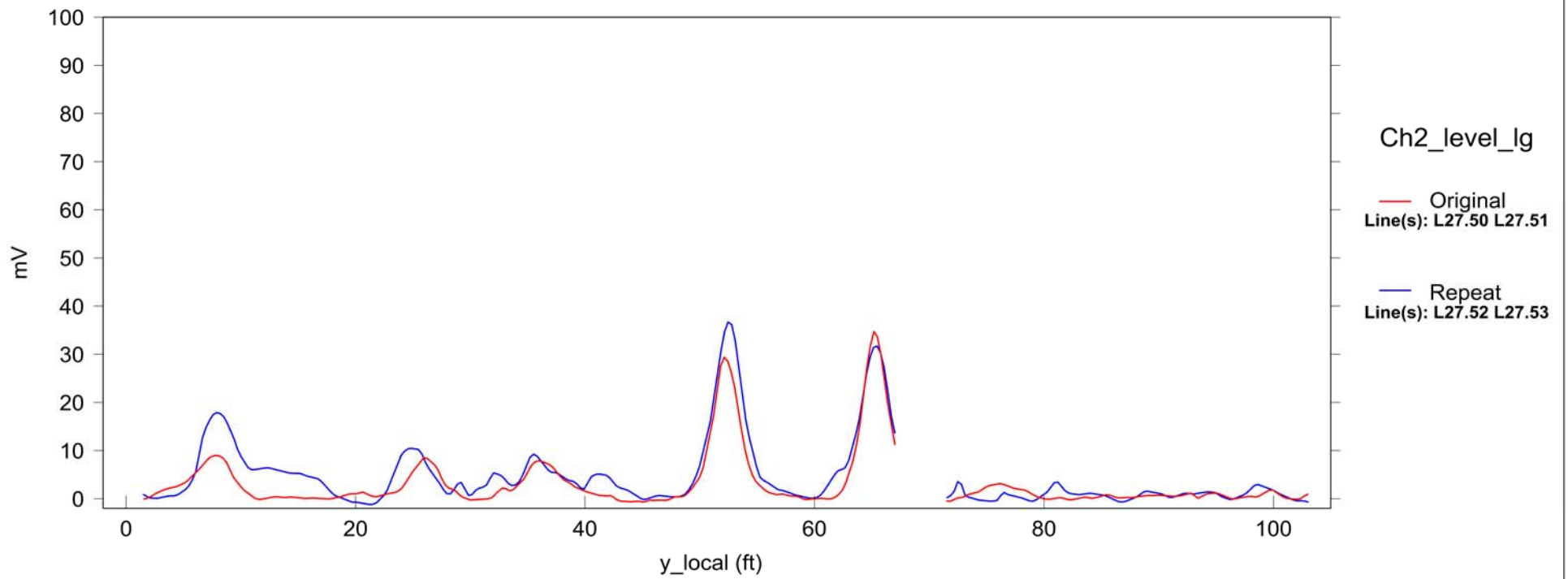
US survey foot
 NAD83 / Alabama CS83 East zone

Matrix Environmental Services, LLC

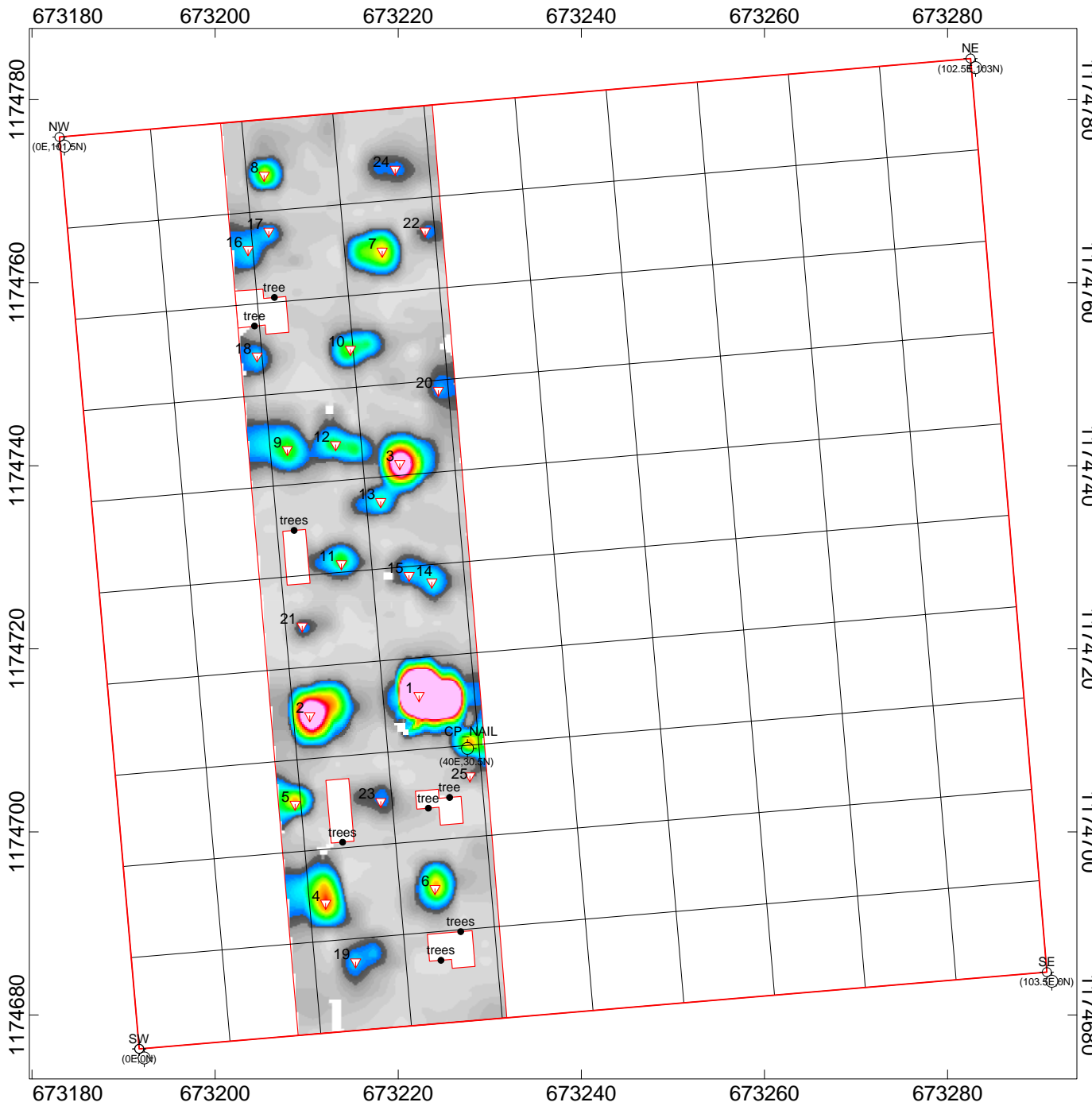
EM61 MK2 Bottom Coil Contoured Data and Targets
 Geophysical Prove Out - 0312GPO1
 MRS-7 - McClellan
 Anniston, Alabama

Date of Survey: 03/12/2013
 Data Collection and Map Creation by NAEVA Geophysics Inc.

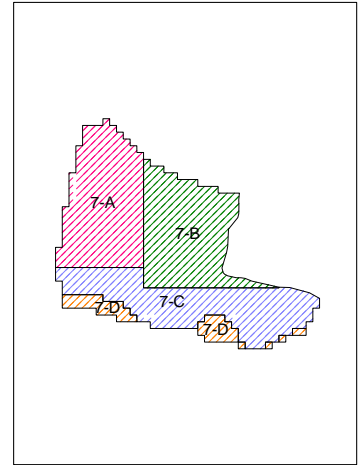
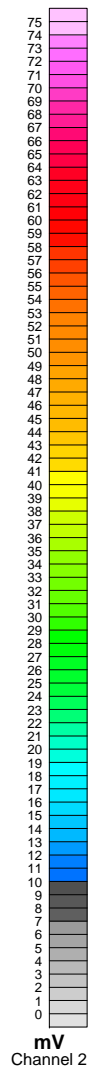
MRS-7 - McClellan - EM61 MK2 Bottom Coil 0312GPO1 Repeat Line 27



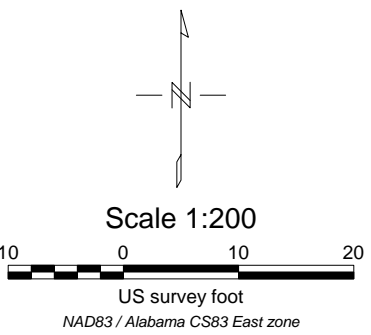
Database: 0312GPO1_Repeat.gdb



1174780
1174760
1174740
1174720
1174700
1174680



- Legend**
- Area of Investigation
(All gaps represent trees unless otherwise noted)
 - Tract Boundary
 - 2 ▽ Selected Target
(See Target Pick List For Response and Location)
(Unique Target ID is 0312GPO2XXX, eg. 0312GPO2002)
 - Surveyed Control Point
GPO not located within MRS-7

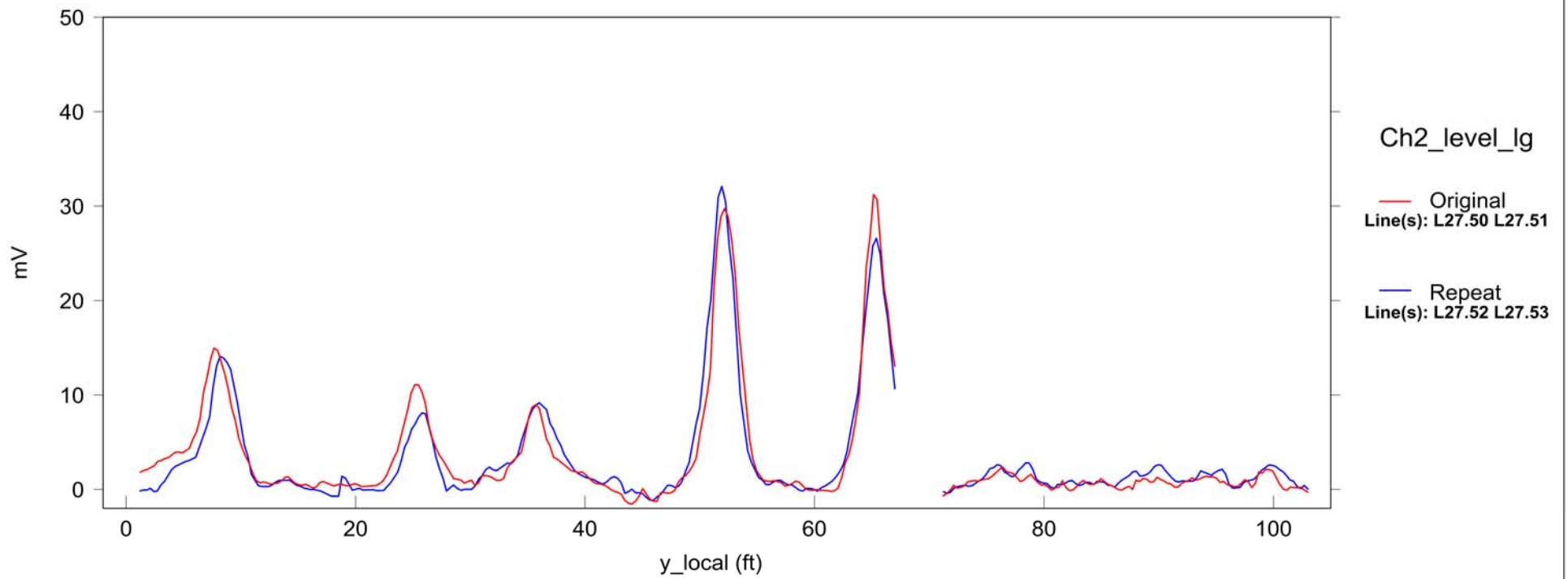


Matrix Environmental Services, LLC

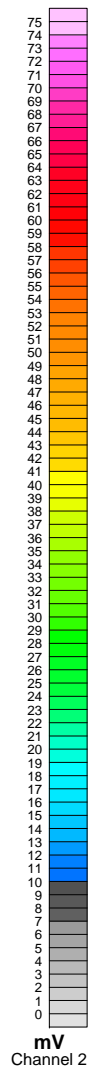
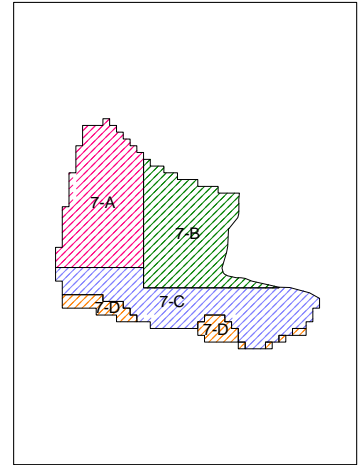
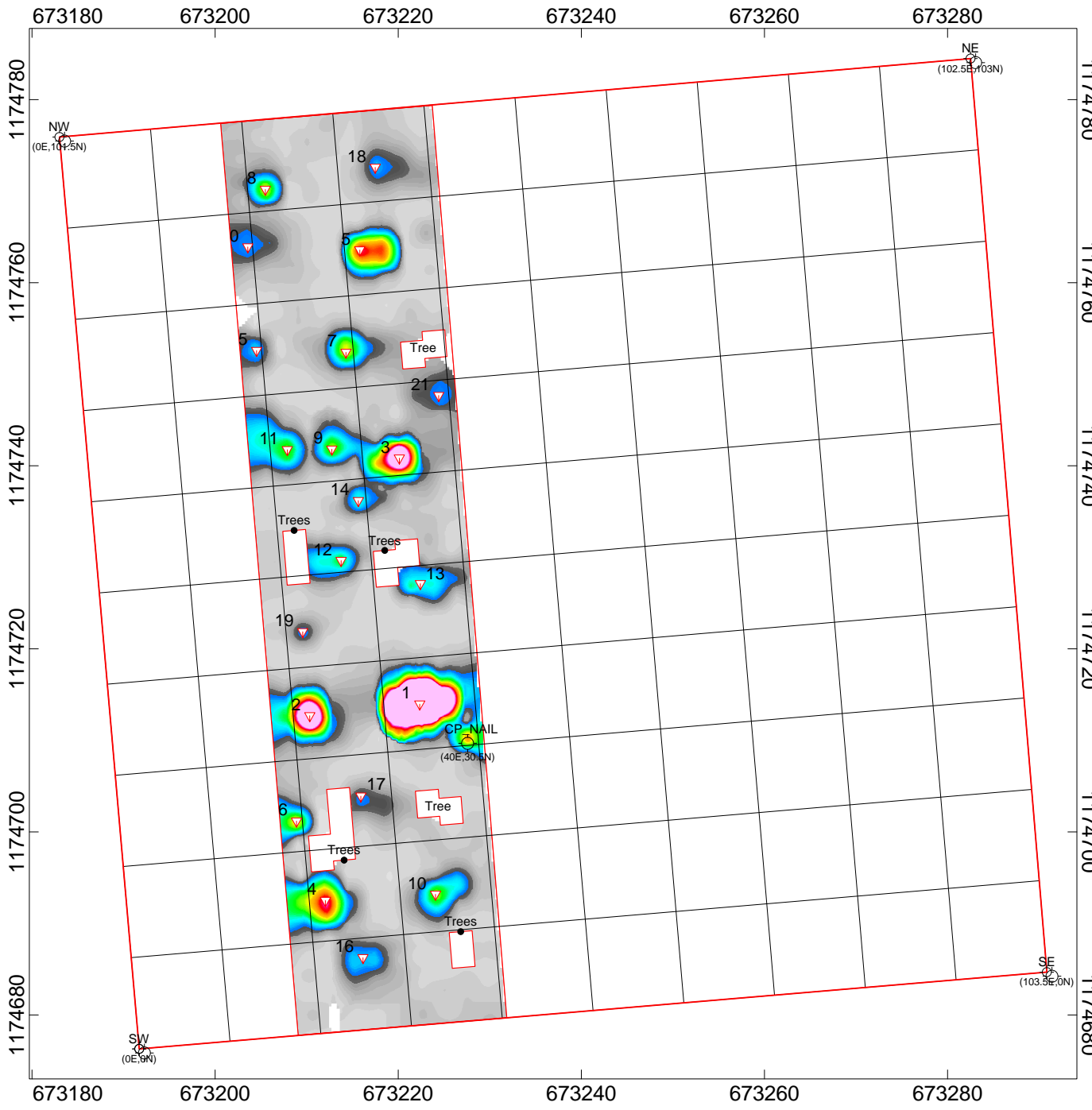
EM61 MK2 Bottom Coil Contoured Data and Targets
 Geophysical Prove Out - 0312GPO2
 MRS-7 - McClellan
 Anniston, Alabama

Date of Survey: 03/12/2013
 Data Collection and Map Creation by NAEVA Geophysics Inc.

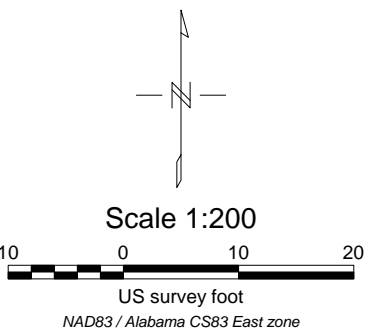
MRS-7 - McClellan - EM61 MK2 Bottom Coil 0312GPO2 Repeat Line 27



Database: 0312GPO2_Repeat.gdb

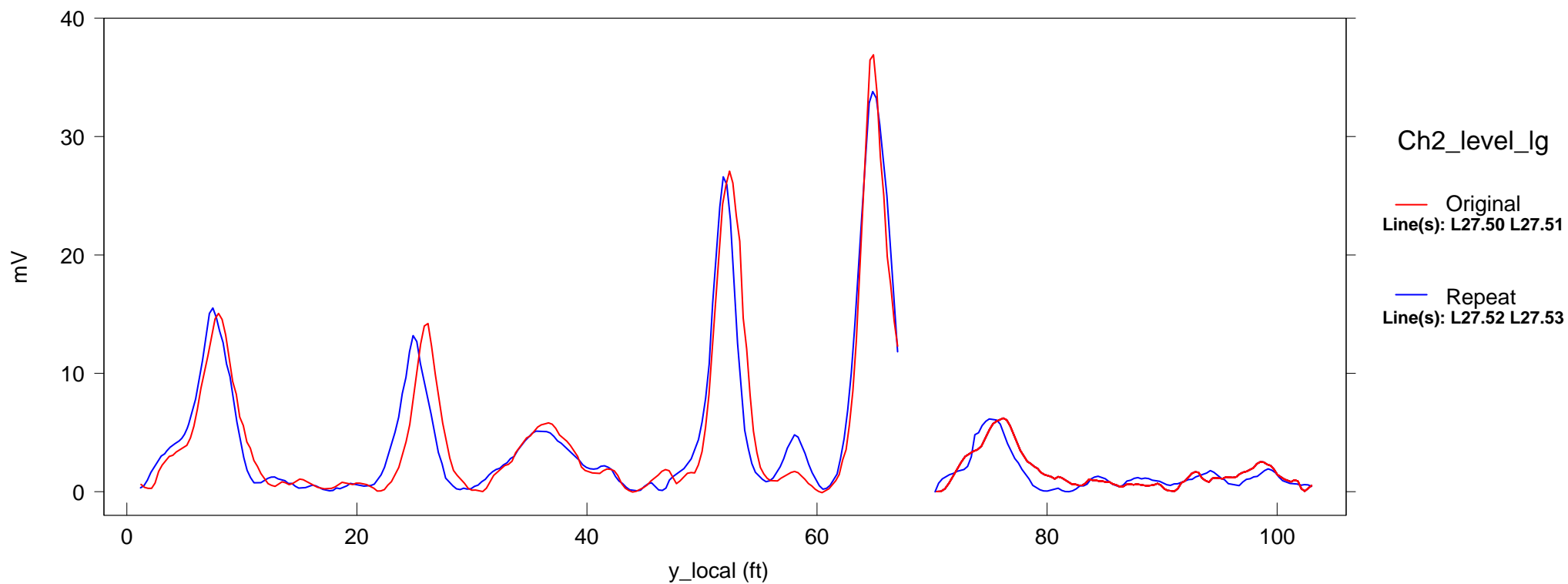


- Legend**
- Area of Investigation
(All gaps represent trees unless otherwise noted)
 - Tract Boundary
 - ▽ Selected Target
(See Target Pick List For Response and Location)
(Unique Target ID is 0312GPO2XXX, eg. 0312GPO2002)
 - Surveyed Control Point
GPO not located within MRS-7



Matrix Environmental Services, LLC
 EM61 MK2 Bottom Coil Contoured Data and Targets
 Geophysical Prove Out - 0325GPO3
 MRS-7 - McClellan
 Anniston, Alabama
 Date of Survey: 03/25/2013
 Data Collection and Map Creation by NAEVA Geophysics Inc.

MRS-7 - McClellan - EM61 MK2 Bottom Coil 0325GPO3 Repeat Line 27.50



Database: 0325GPO3_Repeat.gdb

GPO Certifications
QC Data

MRS ID:
Tract ID:
UOP ID:

Final Data Package is Submitted



Anniston, Alabama

Date Data QC: 3/13/2013
QC Performed By: Jennifer Kostera

NAEVA Geophysical Data QC

Grid ID: 0312GPO1

Raw Data

All Data are Deliverable

Line / Data Editing

Field Log Complete

QC Comment :

No Comments

QC Comment :

No Comments

QC Comment :

No Comments

QC Resolution :

N/A

QC Resolution :

N/A

QC Resolution :

N/A

QC Checks

Static Checks within Tolerance: No

AM PM Lag Check within Tolerance: Yes

Repeat Line Variation Acceptable

QC Comment :

AM static test exhibits noise

QC Comment :

No Comments

QC Comment :

No Comments

QC Resolution :

The noise was documented in the field. The test was collected in a noisy area. The PM static test is within tolerance.

QC Resolution :

N/A

QC Resolution :

N/A

Processed Data

Background Noise Levels Acceptable

Along Track Sampling Acceptable

Data Leveled

Lag Correction Performed

Coverage (Across Track) Complete

QC Comment :

No Comments

QC Comment :

No Comments

QC Comment :

No Comments

QC Comment :

No comments

QC Comment :

No Comments

QC Resolution :

N/A

QC Resolution :

N/A

QC Resolution :

N/A

QC Resolution :

N/A

QC Resolution :

N/A

Control Points Detected

XYZ File Correct

Positioning Correct

Other Processed Data Issues

QC Comment :

No Comments

QC Comment :

No Comments

QC Comment :

No Comments

QC Comment:

No Comments

QC Resolution :

N/A

QC Resolution :

N/A

QC Resolution :

N/A

QC Resolution :

N/A

MRS ID:
Tract ID:
UOP ID:

Final Data Package is Submitted



Anniston, Alabama

Date Data QC: 3/13/2013
QC Performed By: Jennifer Kostera

NAEVA Geophysical Data QC

Grid ID: 0312GPO1

Grid Target Selection

Seed Items Detected and Targeted : Yes QC Comment : 19 out of 19 seeds were detected within the GPO QC Resolution : N/A	<input checked="" type="checkbox"/> Target List Matches Map QC Comment : No Comments QC Resolution : N/A	<input checked="" type="checkbox"/> Targets Outside of Boundary Removed QC Comment : No Comments QC Resolution : N/A	<input checked="" type="checkbox"/> Processor Notes for Target Selections QC Comment : No Comments QC Resolution : N/A
<input checked="" type="checkbox"/> Targets Labeled Property QC Comment : No Comments QC Resolution: N/A	<input checked="" type="checkbox"/> Targets Sorted by Amplitude QC Comment : No Comments QC Resolution : N/A	<input type="checkbox"/> Other Target Selection Issues QC Comment : No Comments QC Resolution: N/A	

Review Grid Map

<input checked="" type="checkbox"/> Basemap Plotted QC Comment : No Comments QC Resolution : N/A	<input checked="" type="checkbox"/> Standard Map Legend Format QC Comment : No Comments QC Resolution : N/A	<input checked="" type="checkbox"/> Standard Scale/Color Bar QC Comment : No Comments QC Resolution : N/A	<input checked="" type="checkbox"/> Cultural/Terrain Featured Labeled QC Comment : No Comments QC Resolution : N/A
<input checked="" type="checkbox"/> State Plane Coordinate Maps Generated QC Comment : No Comments QC Resolution: N/A	<input type="checkbox"/> Grid Edge Noise/Non-Correlation QC Comment : No Comments QC Resolution : N/A	<input checked="" type="checkbox"/> Labeled Anomalies Correctly on Map QC Comment : No Comments QC Resolution : N/A	<input type="checkbox"/> Other Grid Mapping Issues QC Comment : No Comments QC Resolution : N/A

MRS ID:
Tract ID:
UOP ID:

Final Data Package is Submitted



Anniston, Alabama

Date Data QC: 3/13/2013
QC Performed By: Jennifer Kostera

NAEVA Geophysical Data QC

Grid ID: 0312GPO1

QC Review

<input type="checkbox"/> QC Target Selections Made	<input checked="" type="checkbox"/> Data Representative and Reasonable	<input checked="" type="checkbox"/> QC Review and Reprocessing Complete	<input type="checkbox"/> QC Action Required
QC Comment : No Comments	QC Comment: No Comments	QC Comment : No Comments	QC Comment: No Comments
QC Resolution : N/A	QC Resolution: N/A	QC Resolution : N/A	QC Resolution: N/A

Additional QC Comments:

19 out of 19 seeds were detected and targeted within the GPO. Team 1 GPO passes QC.

QC Target Selections:

MRS ID:
Tract ID:
UOP ID:

Final Data Package is Submitted



Anniston, Alabama

Date Data QC: 3/13/2013
QC Performed By: Jennifer Kostera

NAEVA Geophysical Data QC

Grid ID: 0312GPO2

Raw Data

All Data are Deliverable

Line / Data Editing

Field Log Complete

QC Comment :

No Comments

QC Comment :

No Comments

QC Comment :

No Comments

QC Resolution :

N/A

QC Resolution :

N/A

QC Resolution :

N/A

QC Checks

Static Checks within Tolerance: No

AM PM Lag Check within Tolerance: Yes

Repeat Line Variation Acceptable

QC Comment :

AM static test exhibits some noise

QC Comment :

No Comments

QC Comment :

No Comments

QC Resolution :

The noise was noted in the field and by the processor. The test was collected in a noisy area of the site. The PM static test was within tolerance.

QC Resolution :

N/A

QC Resolution :

N/A

Processed Data

Background Noise Levels Acceptable

Along Track Sampling Acceptable

Data Leveled

Lag Correction Performed

Coverage (Across Track) Complete

QC Comment :

No Comments

QC Comment :

No Comments

QC Comment :

No Comments

QC Comment :

No comments

QC Comment :

No Comments

QC Resolution :

N/A

QC Resolution :

N/A

QC Resolution :

N/A

QC Resolution :

N/A

QC Resolution :

N/A

Control Points Detected

XYZ File Correct

Positioning Correct

Other Processed Data Issues

QC Comment :

No Comments

QC Comment :

No Comments

QC Comment :

No Comments

QC Comment:

No Comments

QC Resolution :

N/A

QC Resolution :

N/A

QC Resolution :

N/A

QC Resolution :

N/A

MRS ID:
Tract ID:
UOP ID:

Final Data Package is Submitted



Anniston, Alabama

Date Data QC: 3/13/2013
QC Performed By: Jennifer Kostera

NAEVA Geophysical Data QC

Grid ID: 0312GPO2

Grid Target Selection

<input checked="" type="checkbox"/> Seed Items Detected and Targeted : Yes QC Comment : 19 out of 19 seeds were detected and targeted QC Resolution : N/A	<input checked="" type="checkbox"/> Target List Matches Map QC Comment : No Comments QC Resolution : N/A	<input checked="" type="checkbox"/> Targets Outside of Boundary Removed QC Comment : No Comments QC Resolution : N/A	<input checked="" type="checkbox"/> Processor Notes for Target Selections QC Comment : No Comments QC Resolution : N/A
<input checked="" type="checkbox"/> Targets Labeled Property QC Comment : No Comments QC Resolution: N/A	<input checked="" type="checkbox"/> Targets Sorted by Amplitude QC Comment : No Comments QC Resolution : N/A	<input type="checkbox"/> Other Target Selection Issues QC Comment : No Comments QC Resolution: N/A	

Review Grid Map

<input checked="" type="checkbox"/> Basemap Plotted QC Comment : No Comments QC Resolution : N/A	<input checked="" type="checkbox"/> Standard Map Legend Format QC Comment : No Comments QC Resolution : N/A	<input checked="" type="checkbox"/> Standard Scale/Color Bar QC Comment : No Comments QC Resolution : N/A	<input checked="" type="checkbox"/> Cultural/Terrain Featured Labeled QC Comment : No Comments QC Resolution : N/A
<input checked="" type="checkbox"/> State Plane Coordinate Maps Generated QC Comment : No Comments QC Resolution: N/A	<input type="checkbox"/> Grid Edge Noise/Non-Correlation QC Comment : No Comments QC Resolution : N/A	<input checked="" type="checkbox"/> Labeled Anomalies Correctly on Map QC Comment : No Comments QC Resolution : N/A	<input type="checkbox"/> Other Grid Mapping Issues QC Comment : No Comments QC Resolution : N/A

MRS ID:
Tract ID:
UOP ID:

Final Data Package is Submitted



Anniston, Alabama

Date Data QC: 3/13/2013
QC Performed By: Jennifer Kostera

NAEVA Geophysical Data QC

Grid ID: 0312GPO2

QC Review

<input type="checkbox"/> QC Target Selections Made	<input checked="" type="checkbox"/> Data Representative and Reasonable	<input checked="" type="checkbox"/> QC Review and Reprocessing Complete	<input type="checkbox"/> QC Action Required
QC Comment : No Comments	QC Comment: No Comments	QC Comment : No Comments	QC Comment: No Comments
QC Resolution : N/A	QC Resolution: N/A	QC Resolution : N/A	QC Resolution: N/A

Additional QC Comments:

19 out of 19 seeds were detected and targeted. Team 2 passes QC.

QC Target Selections:

MRS ID:
Tract ID:
UOP ID:

Final Data Package is Submitted



Anniston, Alabama

Date Data QC: 3/26/2013
QC Performed By: Jennifer Kostera

NAEVA Geophysical Data QC

Grid ID: 0325GPO3

Raw Data

All Data are Deliverable

Line / Data Editing

Field Log Complete

QC Comment :

No Comments

QC Comment :

No Comments

QC Comment :

No Comments

QC Resolution :

N/A

QC Resolution :

N/A

QC Resolution :

N/A

QC Checks

Static Checks within Tolerance: No

AM PM Lag Check within Tolerance: Yes

Repeat Line Variation Acceptable

QC Comment :

AM Static test had a few failure points. Not noted in the DB.

QC Comment :

No Comments

QC Comment :

No Comments

QC Resolution :

The test was conducted at the GPO, which is generally a noisy area. PM test is within tolerance. Will remind processors to note tests with data falling outside tolerance range.

QC Resolution :

N/A

QC Resolution :

N/A

Processed Data

Background Noise Levels Acceptable

Along Track Sampling Acceptable

Data Leveled

Lag Correction Performed

Coverage (Across Track) Complete

QC Comment :

No Comments

QC Comment :

No Comments

QC Comment :

No Comments

QC Comment :

No comments

QC Comment :

No Comments

QC Resolution :

N/A

QC Resolution :

N/A

QC Resolution :

N/A

QC Resolution :

N/A

QC Resolution :

N/A

Control Points Detected

XYZ File Correct

Positioning Correct

Other Processed Data Issues

QC Comment :

No Comments

QC Comment :

Repeat lines are included in the Grid XYZ file

QC Comment :

No Comments

QC Comment:

No Comments

QC Resolution :

N/A

QC Resolution :

Processor will repost corrected file

QC Resolution :

N/A

QC Resolution :

N/A

MRS ID:
Tract ID:
UOP ID:

Final Data Package is Submitted



Anniston, Alabama

Date Data QC: 3/26/2013
QC Performed By: Jennifer Kostera

NAEVA Geophysical Data QC

Grid ID: 0325GPO3

Grid Target Selection

<input checked="" type="checkbox"/> Seed Items Detected and Targeted : Yes QC Comment : 19/19 Seeds were detected and targeted QC Resolution : N/A	<input checked="" type="checkbox"/> Target List Matches Map QC Comment : No Comments QC Resolution : N/A	<input checked="" type="checkbox"/> Targets Outside of Boundary Removed QC Comment : No Comments QC Resolution : N/A	<input checked="" type="checkbox"/> Processor Notes for Target Selections QC Comment : No Comments QC Resolution : N/A
<input checked="" type="checkbox"/> Targets Labeled Property QC Comment : No Comments QC Resolution: N/A	<input checked="" type="checkbox"/> Targets Sorted by Amplitude QC Comment : No Comments QC Resolution : N/A	<input type="checkbox"/> Other Target Selection Issues QC Comment : No Comments QC Resolution: N/A	

Review Grid Map

<input checked="" type="checkbox"/> Basemap Plotted QC Comment : No Comments QC Resolution : N/A	<input checked="" type="checkbox"/> Standard Map Legend Format QC Comment : No Comments QC Resolution : N/A	<input checked="" type="checkbox"/> Standard Scale/Color Bar QC Comment : No Comments QC Resolution : N/A	<input checked="" type="checkbox"/> Cultural/Terrain Featured Labeled QC Comment : No Comments QC Resolution : N/A
<input checked="" type="checkbox"/> State Plane Coordinate Maps Generated QC Comment : No Comments QC Resolution: N/A	<input type="checkbox"/> Grid Edge Noise/Non-Correlation QC Comment : No Comments QC Resolution : N/A	<input checked="" type="checkbox"/> Labeled Anomalies Correctly on Map QC Comment : No Comments QC Resolution : N/A	<input type="checkbox"/> Other Grid Mapping Issues QC Comment : No Comments QC Resolution : N/A

MRS ID:
Tract ID:
UOP ID:

Final Data Package is Submitted



Anniston, Alabama

Date Data QC: 3/26/2013
QC Performed By: Jennifer Kostera

NAEVA Geophysical Data QC

Grid ID: 0325GPO3

QC Review

<input type="checkbox"/> QC Target Selections Made	<input checked="" type="checkbox"/> Data Representative and Reasonable	<input checked="" type="checkbox"/> QC Review and Reprocessing Complete	<input type="checkbox"/> QC Action Required
QC Comment : No Comments	QC Comment: No Comments	QC Comment : No Comments	QC Comment: No Comments
QC Resolution : N/A	QC Resolution: N/A	QC Resolution : N/A	QC Resolution: N/A

Additional QC Comments:

19/19 seeds were detected and targeted. Team 3 passes Geo QC.

QC Target Selections: