

Geo Survey File Processing

Survey Date: 6/7/2011

Survey File Name: 060711-3TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	060711-4TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	6/7/2011
Pre-Processed By	Mark Saunders
Completion Date	6/7/2011

Processing Information

Processing Date	6/7/2011
Processed By	Mark Saunders
Completion Date	6/7/2011

Processing Notes:

IAR

Survey QC

Internal QC	6/7/2011	Mark Saunders
Geophysics QC		

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min
Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation

Acreage	0.91
Velocity [mph]	2.24
Mean Separation [ft]	0.33
Channel Analyzed	Background
Background Signal Mean	0
Background Signal Std Dev	2.01

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 6/7/2011

Survey File Name: 060711-4TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	060711-4TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	6/7/2011
Pre-Processed By	Mark Saunders
Completion Date	6/7/2011

Processing Information

Processing Date	6/7/2011
Processed By	Mark Saunders
Completion Date	6/7/2011

Processing Notes:

IAR

Survey QC

Internal QC	6/7/2011	Mark Saunders
-------------	----------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation

Acreage	2.3
Velocity [mph]	2.07
Mean Separation [ft]	0.3
Channel Analyzed	Background
Background Signal Mean	-0.07
Background Signal Std Dev	1.93

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 6/8/2011

Survey File Name: 060811-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	060811-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	6/8/2011
Pre-Processed By	Mark Saunders
Completion Date	6/8/2011

Processing Information

Processing Date	6/8/2011
Processed By	Mark Saunders
Completion Date	6/8/2011

Processing Notes:

IAR Range 47

Survey QC

Internal QC	6/8/2011	Mark Saunders
-------------	----------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	0.43
Velocity [mph]	2.01
Mean Separation [ft]	0.29
Channel Analyzed	Background
Background Signal Mean	-0.08
Background Signal Std Dev	2.58

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 6/8/2011

Survey File Name: 060811-2TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	060811-2TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	6/8/2011
Pre-Processed By	Mark Saunders
Completion Date	6/8/2011

Processing Information

Processing Date	6/8/2011
Processed By	Mark Saunders
Completion Date	6/8/2011

Processing Notes:

IAR Range 44

Survey QC

Internal QC	6/8/2011	Mark Saunders
Geophysics QC		

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min
Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation

Acreage	1.28
Velocity [mph]	1.94
Mean Separation [ft]	0.28
Channel Analyzed	Background
Background Signal Mean	-0.11
Background Signal Std Dev	2.29

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 6/8/2011

Survey File Name: 060811-3TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	060811-3TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	6/8/2011
Pre-Processed By	Mark Saunders
Completion Date	6/8/2011

Processing Information

Processing Date	6/8/2011
Processed By	Mark Saunders
Completion Date	6/8/2011

Processing Notes:

IAR Range 44

Survey QC

Internal QC	6/8/2011	Mark Saunders
-------------	----------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	0.37
Velocity [mph]	1.84
Mean Separation [ft]	0.27
Channel Analyzed	Background
Background Signal Mean	-0.11
Background Signal Std Dev	2.64

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 6/8/2011

Survey File Name: 060811-4TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	060811-4TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	6/8/2011
Pre-Processed By	Mark Saunders
Completion Date	6/8/2011

Processing Information

Processing Date	6/8/2011
Processed By	Mark Saunders
Completion Date	6/8/2011

Processing Notes:

IAR Range 44

Survey QC

Internal QC	6/8/2011	Mark Saunders
-------------	----------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
-------------------	--------

Diurnal Correction Performed	False
------------------------------	-------

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	0.23
---------	------

Velocity [mph]	1.8
----------------	-----

Mean Separation [ft]	0.26
----------------------	------

Channel Analyzed	Background
------------------	------------

Background Signal Mean	-0.16
------------------------	-------

Background Signal Std Dev	2.46
---------------------------	------

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 6/10/2011

Survey File Name: 061011-2TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	061011-2TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	6/10/2011
Pre-Processed By	Mark Saunders
Completion Date	6/10/2011

Processing Information

Processing Date	6/10/2011
Processed By	Mark Saunders
Completion Date	6/10/2011

Processing Notes:

IAR - do not use

Survey QC

Internal QC	6/10/2011	Mark Saunders
-------------	-----------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method

Diurnal Correction Performed	False
------------------------------	-------

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage

Velocity [mph]

Mean Separation [ft]

Channel Analyzed

Background Signal Mean

Background Signal Std Dev

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 6/30/2011

Survey File Name: 063011-1TA(EM61-MK2)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	063011-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	6/30/2011
Pre-Processed By	Mark Saunders
Completion Date	6/30/2011

Processing Information

Processing Date	6/30/2011
Processed By	Mark Saunders
Completion Date	6/30/2011

Processing Notes:

IAR Range 44

Survey QC

Internal QC	6/30/2011	Mark Saunders
-------------	-----------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation

Acreage	0.24
Velocity [mph]	2.04
Mean Separation [ft]	0.3
Channel Analyzed	Background
Background Signal Mean	-0.29
Background Signal Std Dev	2.41

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 7/7/2011

Survey File Name: 070711-1TA(EM61-MK2)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	070711-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	7/7/2011
Pre-Processed By	Mark Saunders
Completion Date	7/7/2011

Processing Information

Processing Date	7/7/2011
Processed By	Mark Saunders
Completion Date	7/7/2011

Processing Notes:

FEG and IAR

Survey QC

Internal QC	7/7/2011	Mark Saunders
-------------	----------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	0.143
---------	-------

Velocity [mph]	2.09
----------------	------

Mean Separation [ft]	0.31
----------------------	------

Channel Analyzed	Background
------------------	------------

Background Signal Mean	-0.46
------------------------	-------

Background Signal Std Dev	2.47
---------------------------	------

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 7/7/2011

Survey File Name: 070711_2TA(EM61-MK2)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	070711-2TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	7/7/2011
Pre-Processed By	Mark Saunders
Completion Date	7/7/2011

Processing Information

Processing Date	7/7/2011
Processed By	Mark Saunders
Completion Date	7/7/2011

Processing Notes:

FEG and IAR

Survey QC

Internal QC	7/7/2011	Mark Saunders
-------------	----------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
-------------------	--------

Diurnal Correction Performed	False
------------------------------	-------

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	0.157
---------	-------

Velocity [mph]	1.41
----------------	------

Mean Separation [ft]	0.21
----------------------	------

Channel Analyzed	Background
------------------	------------

Background Signal Mean	-0.1
------------------------	------

Background Signal Std Dev	2.02
---------------------------	------

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 7/13/2011

Survey File Name: 071311-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	071311-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	7/13/2011
Pre-Processed By	Mark Saunders
Completion Date	7/13/2011

Processing Information

Processing Date	7/13/2011
Processed By	Mark Saunders
Completion Date	7/13/2011

Processing Notes:

IAR Range 44

Survey QC

Internal QC	7/13/2011	Mark Saunders
-------------	-----------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	0.21
Velocity [mph]	1.99
Mean Separation [ft]	0.29
Channel Analyzed	Background
Background Signal Mean	-0.39
Background Signal Std Dev	2.41

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 7/14/2011

Survey File Name: 071411-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	071411-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	7/14/2011
Pre-Processed By	Mark Saunders
Completion Date	7/14/2011

Processing Information

Processing Date	7/14/2011
Processed By	Mark Saunders
Completion Date	7/14/2011

Processing Notes:

IAR Transects

Survey QC

Internal QC	7/14/2011	Mark Saunders
Geophysics QC		

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation

Acreage	0.92
Velocity [mph]	2.15
Mean Separation [ft]	0.32
Channel Analyzed	Background
Background Signal Mean	-0.34
Background Signal Std Dev	2.31

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 10/26/2011

Survey File Name: 102611-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	102611-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	10/26/2011
Pre-Processed By	Mark Saunders
Completion Date	10/26/2011

Processing Information

Processing Date	10/26/2011
Processed By	Mark Saunders
Completion Date	10/26/2011

Processing Notes:

IAR Range 44

Survey QC

Internal QC	10/26/2011	Mark Saunders
-------------	------------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	1.34
Velocity [mph]	2.12
Mean Separation [ft]	0.31
Channel Analyzed	Background
Background Signal Mean	-0.16
Background Signal Std Dev	2.46

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 10/27/2011

Survey File Name: 102711-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	102711-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	10/27/2011
Pre-Processed By	Mark Saunders
Completion Date	10/27/2011

Processing Information

Processing Date	10/27/2011
Processed By	Mark Saunders
Completion Date	10/27/2011

Processing Notes:

IAR Range 44

Survey QC

Internal QC	10/27/2011	Mark Saunders
-------------	------------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation

Acreage	1.8
Velocity [mph]	1.88
Mean Separation [ft]	0.28
Channel Analyzed	Background
Background Signal Mean	-0.11
Background Signal Std Dev	2.36

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 10/27/2011

Survey File Name: 102711-2TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	102711-2TA.gdb

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
-------------------	--------

Diurnal Correction Performed	False
------------------------------	-------

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Pre-Processing Information [xyz]

Pre-Processing Date	10/27/2011
Pre-Processed By	Mark Saunders
Completion Date	10/27/2011

Processing Information

Processing Date	10/27/2011
Processed By	Mark Saunders
Completion Date	10/27/2011

Processing Notes:

IAR Range 44

Statistics and Data Evaluation

Acreage	1.38
Velocity [mph]	2
Mean Separation [ft]	0.29
Channel Analyzed	Background
Background Signal Mean	-0.11
Background Signal Std Dev	2.53

Survey QC

Internal QC	10/27/2011	Mark Saunders
-------------	------------	---------------

Geophysics QC

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 10/28/2011

Survey File Name: 102811-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	102811-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	10/28/2011
Pre-Processed By	Mark Saunders
Completion Date	10/28/2011

Processing Information

Processing Date	10/28/2011
Processed By	Mark Saunders
Completion Date	10/28/2011

Processing Notes:

IAR Range 44

Survey QC

Internal QC	10/28/2011	Mark Saunders
-------------	------------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation

Acreage	1.83
Velocity [mph]	1.96
Mean Separation [ft]	0.29
Channel Analyzed	Background
Background Signal Mean	-0.18
Background Signal Std Dev	2.21

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 11/1/2011

Survey File Name: 110111-1aTA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	110111-1aTA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	11/1/2011
Pre-Processed By	Mark Saunders
Completion Date	11/1/2011

Processing Information

Processing Date	11/1/2011
Processed By	Mark Saunders
Completion Date	11/1/2011

Processing Notes:

IAR and FEG surveys

Survey QC

Internal QC	11/1/2011	Mark Saunders
Geophysics QC		

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation

Acreage	0.19
Velocity [mph]	1.43
Mean Separation [ft]	0.21
Channel Analyzed	Background
Background Signal Mean	-0.02
Background Signal Std Dev	1.34

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 11/1/2011

Survey File Name: 110111-2TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	110111-2TA.gdb

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
-------------------	--------

Diurnal Correction Performed	False
------------------------------	-------

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Pre-Processing Information [xyz]

Pre-Processing Date	11/1/2011
Pre-Processed By	Mark Saunders
Completion Date	11/1/2011

Processing Information

Processing Date	11/1/2011
Processed By	Mark Saunders
Completion Date	11/1/2011

Processing Notes:

IAR and FEG Surveys

Statistics and Data Evaluation

Acreage	0.49
Velocity [mph]	1.76
Mean Separation [ft]	0.26
Channel Analyzed	Background
Background Signal Mean	-0.23
Background Signal Std Dev	2.48

Survey QC

Internal QC	11/1/2011	Mark Saunders
-------------	-----------	---------------

Geophysics QC

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 11/1/2011

Survey File Name: 110111-3TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	110111-3TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	11/1/2011
Pre-Processed By	Mark Saunders
Completion Date	11/1/2011

Processing Information

Processing Date	11/1/2011
Processed By	Mark Saunders
Completion Date	11/1/2011

Processing Notes:

IAR and FEG surveys

Survey QC

Internal QC	11/1/2011	Mark Saunders
-------------	-----------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	0.57
Velocity [mph]	2.04
Mean Separation [ft]	0.3
Channel Analyzed	Background
Background Signal Mean	-0.09
Background Signal Std Dev	2.4

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 11/1/2011

Survey File Name: 110111-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	EExport.EM61MII.coil#.xyz
Geosoft DB Name	110111-1TA.gdb

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
-------------------	--------

Diurnal Correction Performed	False
------------------------------	-------

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Pre-Processing Information [xyz]

Pre-Processing Date	11/1/2011
Pre-Processed By	Mark Saunders
Completion Date	11/1/2011

Processing Information

Processing Date	11/1/2011
Processed By	Mark Saunders
Completion Date	11/1/2011

Processing Notes:

Statistics and Data Evaluation

Acreage	0.1317
Velocity [mph]	1.93
Mean Separation [ft]	0.29
Channel Analyzed	Background
Background Signal Mean	-0.16
Background Signal Std Dev	2.23

Survey QC

Internal QC	11/1/2011	Mark Saunders
-------------	-----------	---------------

Geophysics QC

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 11/2/2011

Survey File Name: 110211-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	110211-1TA.gdb

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
-------------------	--------

Diurnal Correction Performed	False
------------------------------	-------

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Pre-Processing Information [xyz]

Pre-Processing Date	11/2/2011
Pre-Processed By	Mark Saunders
Completion Date	11/2/2011

Processing Information

Processing Date	11/2/2011
Processed By	Mark Saunders
Completion Date	11/2/2011

Processing Notes:

IAR Range 44

Statistics and Data Evaluation

Acreage	0.843
Velocity [mph]	1.94
Mean Separation [ft]	0.28
Channel Analyzed	Background
Background Signal Mean	-0.11
Background Signal Std Dev	1.91

Survey QC

Internal QC	11/2/2011	Mark Saunders
-------------	-----------	---------------

Geophysics QC

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 11/2/2011

Survey File Name: 110211-2TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	110211-2TA.gdb

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
-------------------	--------

Diurnal Correction Performed	False
------------------------------	-------

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Pre-Processing Information [xyz]

Pre-Processing Date	11/2/2011
Pre-Processed By	Mark Saunders
Completion Date	11/2/2011

Processing Information

Processing Date	11/2/2011
Processed By	Mark Saunders
Completion Date	11/2/2011

Processing Notes:

IAR Range 44

Statistics and Data Evaluation

Acreage	0.68
Velocity [mph]	2.19
Mean Separation [ft]	0.32
Channel Analyzed	Background
Background Signal Mean	-0.1
Background Signal Std Dev	2.03

Survey QC

Internal QC	11/2/2011	Mark Saunders
-------------	-----------	---------------

Geophysics QC

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 11/3/2011

Survey File Name: 110311-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	110311-1TA.gdb

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
-------------------	--------

Diurnal Correction Performed	False
------------------------------	-------

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Pre-Processing Information [xyz]

Pre-Processing Date	11/3/2011
Pre-Processed By	Mark Saunders
Completion Date	11/3/2011

Processing Information

Processing Date	11/3/2011
Processed By	Mark Saunders
Completion Date	11/3/2011

Processing Notes:

IAR Range 44

Statistics and Data Evaluation

Acreage	0.747
Velocity [mph]	2.02
Mean Separation [ft]	0.3
Channel Analyzed	Background
Background Signal Mean	-0.22
Background Signal Std Dev	2.12

Survey QC

Internal QC	11/3/2011	Mark Saunders
-------------	-----------	---------------

Geophysics QC

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 11/3/2011

Survey File Name: 110311-2TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	110311-2TA.gdb

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
-------------------	--------

Diurnal Correction Performed	False
------------------------------	-------

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Pre-Processing Information [xyz]

Pre-Processing Date	11/3/2011
Pre-Processed By	Mark Saunders
Completion Date	11/3/2011

Processing Information

Processing Date	11/3/2011
Processed By	Mark Saunders
Completion Date	11/3/2011

Processing Notes:

IAR Range 44

Statistics and Data Evaluation

Acreage	0.68
Velocity [mph]	1.98
Mean Separation [ft]	0.29
Channel Analyzed	Background
Background Signal Mean	-0.09
Background Signal Std Dev	1.98

Survey QC

Internal QC	11/3/2011	Mark Saunders
-------------	-----------	---------------

Geophysics QC

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 11/15/2011

Survey File Name: 111511-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	111511-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	11/15/2011
Pre-Processed By	Mark Saunders
Completion Date	11/15/2011

Processing Information

Processing Date	11/15/2011
Processed By	Mark Saunders
Completion Date	11/15/2011

Processing Notes:

IAR Range 47

Survey QC

Internal QC	11/15/2011	Mark Saunders
-------------	------------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
-------------------	--------

Diurnal Correction Performed	False
------------------------------	-------

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	2.401
---------	-------

Velocity [mph]	2.27
----------------	------

Mean Separation [ft]	0.33
----------------------	------

Channel Analyzed	Background
------------------	------------

Background Signal Mean	-0.41
------------------------	-------

Background Signal Std Dev	2.55
---------------------------	------

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 11/16/2011

Survey File Name: 111611-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	111611-1TA.gdb

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
-------------------	--------

Diurnal Correction Performed	False
------------------------------	-------

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Pre-Processing Information [xyz]

Pre-Processing Date	11/16/2011
Pre-Processed By	Mark Saunders
Completion Date	11/16/2011

Processing Information

Processing Date	11/16/2011
Processed By	Mark Saunders
Completion Date	11/16/2011

Processing Notes:

IAR Range 47

Statistics and Data Evaluation

Acreage	0.81
Velocity [mph]	2.07
Mean Separation [ft]	0.3
Channel Analyzed	Background
Background Signal Mean	-0.36
Background Signal Std Dev	2.42

Survey QC

Internal QC	11/16/2011	Mark Saunders
-------------	------------	---------------

Geophysics QC

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 11/17/2011

Survey File Name: 111711-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	111711-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	11/17/2011
Pre-Processed By	Mark Saunders
Completion Date	11/17/2011

Processing Information

Processing Date	11/17/2011
Processed By	Mark Saunders
Completion Date	11/17/2011

Processing Notes:

IAR Range 47

Survey QC

Internal QC	11/17/2011	Mark Saunders
-------------	------------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
-------------------	--------

Diurnal Correction Performed	False
------------------------------	-------

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	0.62
---------	------

Velocity [mph]	1.5
----------------	-----

Mean Separation [ft]	0.22
----------------------	------

Channel Analyzed	Background
------------------	------------

Background Signal Mean	-0.34
------------------------	-------

Background Signal Std Dev	2.15
---------------------------	------

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 11/17/2011

Survey File Name: 111711-2TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	111711-2TA.gdb

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
-------------------	--------

Diurnal Correction Performed	False
------------------------------	-------

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Pre-Processing Information [xyz]

Pre-Processing Date	11/17/2011
Pre-Processed By	Mark Saunders
Completion Date	11/17/2011

Processing Information

Processing Date	11/17/2011
Processed By	Mark Saunders
Completion Date	11/17/2011

Processing Notes:

IAR Range 47

Statistics and Data Evaluation

Acreage	0.287
Velocity [mph]	1.39
Mean Separation [ft]	0.2
Channel Analyzed	Background
Background Signal Mean	-0.36
Background Signal Std Dev	2.28

Survey QC

Internal QC	11/17/2011	Mark Saunders
-------------	------------	---------------

Geophysics QC

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 11/17/2011

Survey File Name: 111711-3TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	111711-3TA.gdb

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
-------------------	--------

Diurnal Correction Performed	False
------------------------------	-------

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Pre-Processing Information [xyz]

Pre-Processing Date	11/17/2011
Pre-Processed By	Mark Saunders
Completion Date	11/17/2011

Processing Information

Processing Date	11/17/2011
Processed By	Mark Saunders
Completion Date	11/17/2011

Processing Notes:

IAR Range 47

Statistics and Data Evaluation

Acreage	0.17
Velocity [mph]	1.76
Mean Separation [ft]	0.26
Channel Analyzed	Background
Background Signal Mean	-0.41
Background Signal Std Dev	2.51

Survey QC

Internal QC	11/17/2011	Mark Saunders
-------------	------------	---------------

Geophysics QC

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 11/23/2011

Survey File Name: 112311-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	112311-1TA.gdb

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
-------------------	--------

Diurnal Correction Performed	False
------------------------------	-------

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Pre-Processing Information [xyz]

Pre-Processing Date	11/23/2011
Pre-Processed By	Mark Saunders
Completion Date	11/23/2011

Processing Information

Processing Date	11/23/2011
Processed By	Mark Saunders
Completion Date	11/23/2011

Processing Notes:

IAR Range 47

Statistics and Data Evaluation

Acreage	1.216
Velocity [mph]	2.21
Mean Separation [ft]	0.32
Channel Analyzed	Background
Background Signal Mean	-0.58
Background Signal Std Dev	2.37

Survey QC

Internal QC	11/23/2011	Mark Saunders
-------------	------------	---------------

Geophysics QC

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 11/23/2011

Survey File Name: 112311-2TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	112311-2TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	11/23/2011
Pre-Processed By	Mark Saunders
Completion Date	11/23/2011

Processing Information

Processing Date	11/23/2011
Processed By	Mark Saunders
Completion Date	11/23/2011

Processing Notes:

IAR Range 47

Survey QC

Internal QC	11/23/2011	Mark Saunders
-------------	------------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
-------------------	--------

Diurnal Correction Performed	False
------------------------------	-------

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	0.62
---------	------

Velocity [mph]	1.51
----------------	------

Mean Separation [ft]	0.22
----------------------	------

Channel Analyzed	Background
------------------	------------

Background Signal Mean	-0.27
------------------------	-------

Background Signal Std Dev	2.3
---------------------------	-----

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 12/9/2011

Survey File Name: 120911-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	120911-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	12/9/2011
Pre-Processed By	Mark Saunders
Completion Date	12/9/2011

Processing Information

Processing Date	12/9/2011
Processed By	Mark Saunders
Completion Date	12/9/2011

Processing Notes:

IAR Range 47

Survey QC

Internal QC	12/9/2011	Mark Saunders
-------------	-----------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation

Acreage	1.404
Velocity [mph]	2.04
Mean Separation [ft]	0.3
Channel Analyzed	Background
Background Signal Mean	-0.46
Background Signal Std Dev	2.37

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 12/9/2011

Survey File Name: 120911-2TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	120911-2TA.gdb

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
-------------------	--------

Diurnal Correction Performed	False
------------------------------	-------

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Pre-Processing Information [xyz]

Pre-Processing Date	12/9/2011
Pre-Processed By	Mark Saunders
Completion Date	12/9/2011

Processing Information

Processing Date	12/9/2011
Processed By	Mark Saunders
Completion Date	12/9/2011

Processing Notes:

IAR Range 47

Statistics and Data Evaluation

Acreage	1.807
Velocity [mph]	2.55
Mean Separation [ft]	0.37
Channel Analyzed	Background
Background Signal Mean	-0.4
Background Signal Std Dev	2.4

Survey QC

Internal QC	12/9/2011	Mark Saunders
-------------	-----------	---------------

Geophysics QC

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 12/20/2011

Survey File Name: 122011-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	122011-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	12/20/2011
Pre-Processed By	Mark Saunders
Completion Date	12/20/2011

Processing Information

Processing Date	12/20/2011
Processed By	Mark Saunders
Completion Date	12/20/2011

Processing Notes:

IAR Range 47

Survey QC

Internal QC	12/20/2011	Mark Saunders
-------------	------------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	0.38
Velocity [mph]	1.91
Mean Separation [ft]	0.28
Channel Analyzed	Background
Background Signal Mean	-0.52
Background Signal Std Dev	2.46

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 12/20/2011

Survey File Name: 122011-2TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	122011-2TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	12/20/2011
Pre-Processed By	Mark Saunders
Completion Date	12/20/2011

Processing Information

Processing Date	12/20/2011
Processed By	Mark Saunders
Completion Date	12/20/2011

Processing Notes:

IAR Range 47

Survey QC

Internal QC	12/20/2011	Mark Saunders
-------------	------------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
-------------------	--------

Diurnal Correction Performed	False
------------------------------	-------

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	0.523
---------	-------

Velocity [mph]	1.75
----------------	------

Mean Separation [ft]	0.26
----------------------	------

Channel Analyzed	Background
------------------	------------

Background Signal Mean	-0.12
------------------------	-------

Background Signal Std Dev	2.29
---------------------------	------

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 12/28/2011

Survey File Name: 122811-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	122811-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	12/28/2011
Pre-Processed By	Mark Saunders
Completion Date	12/28/2011

Processing Information

Processing Date	12/28/2011
Processed By	Mark Saunders
Completion Date	12/28/2011

Processing Notes:

IAR Range 47

Survey QC

Internal QC	12/28/2011	Mark Saunders
-------------	------------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
-------------------	--------

Diurnal Correction Performed	False
------------------------------	-------

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	0.534
---------	-------

Velocity [mph]	1.83
----------------	------

Mean Separation [ft]	0.27
----------------------	------

Channel Analyzed	Background
------------------	------------

Background Signal Mean	-0.12
------------------------	-------

Background Signal Std Dev	2.12
---------------------------	------

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 1/17/2012

Survey File Name: 011712-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	011712-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	1/17/2012
Pre-Processed By	Mark Saunders
Completion Date	1/17/2012

Processing Information

Processing Date	1/17/2012
Processed By	Mark Saunders
Completion Date	1/17/2012

Processing Notes:

IAR Range 47

Survey QC

Internal QC	1/17/2012	Mark Saunders
-------------	-----------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	2.19
Velocity [mph]	2.13
Mean Separation [ft]	0.31
Channel Analyzed	Background
Background Signal Mean	-0.15
Background Signal Std Dev	2.53

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 1/17/2012

Survey File Name: 011712-2TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	011712-2TA.gdb

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
-------------------	--------

Diurnal Correction Performed	False
------------------------------	-------

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Pre-Processing Information [xyz]

Pre-Processing Date	1/17/2012
Pre-Processed By	Mark Saunders
Completion Date	1/17/2012

Processing Information

Processing Date	1/17/2012
Processed By	Mark Saunders
Completion Date	1/17/2012

Processing Notes:

IAR Range 47

Statistics and Data Evaluation

Acreage	1.65
Velocity [mph]	2.44
Mean Separation [ft]	0.36
Channel Analyzed	Background
Background Signal Mean	-0.25
Background Signal Std Dev	2.65

Survey QC

Internal QC	1/17/2012	Mark Saunders
-------------	-----------	---------------

Geophysics QC

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 1/18/2012

Survey File Name: 011812-1ATA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	011812-1ATA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	1/18/2012
Pre-Processed By	Mark Saunders
Completion Date	1/18/2012

Processing Information

Processing Date	1/18/2012
Processed By	Mark Saunders
Completion Date	1/18/2012

Processing Notes:

IAR Range 47

Survey QC

Internal QC	1/18/2012	Mark Saunders
-------------	-----------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	1.31
Velocity [mph]	2.24
Mean Separation [ft]	0.33
Channel Analyzed	Background
Background Signal Mean	-0.36
Background Signal Std Dev	2.65

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 1/18/2012

Survey File Name: 011812-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	011812-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	1/18/2012
Pre-Processed By	Mark Saunders
Completion Date	1/18/2012

Processing Information

Processing Date	1/18/2012
Processed By	Mark Saunders
Completion Date	1/18/2012

Processing Notes:

IAR Range 47

Survey QC

Internal QC	1/18/2012	Mark Saunders
-------------	-----------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
-------------------	--------

Diurnal Correction Performed	False
------------------------------	-------

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	3.33
---------	------

Velocity [mph]	2.37
----------------	------

Mean Separation [ft]	0.35
----------------------	------

Channel Analyzed	Background
------------------	------------

Background Signal Mean	-0.3
------------------------	------

Background Signal Std Dev	2.62
---------------------------	------

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 1/19/2012

Survey File Name: 011912-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	011912-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	1/19/2012
Pre-Processed By	Mark Saunders
Completion Date	1/19/2012

Processing Information

Processing Date	1/19/2012
Processed By	Mark Saunders
Completion Date	1/19/2012

Processing Notes:

IAR Range 47

Survey QC

Internal QC	1/19/2012	Mark Saunders
Geophysics QC		

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min
Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation

Acreage	2.29
Velocity [mph]	2.44
Mean Separation [ft]	0.38
Channel Analyzed	Background
Background Signal Mean	-0.26
Background Signal Std Dev	2.57

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 1/26/2012

Survey File Name: 012612-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	012612-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	1/26/2012
Pre-Processed By	Mark Saunders
Completion Date	1/26/2012

Processing Information

Processing Date	1/26/2012
Processed By	Mark Saunders
Completion Date	1/26/2012

Processing Notes:

IAR Range 47 Post Excavation/Sifting-QC2

Survey QC

Internal QC	1/26/2012	Mark Saunders
Geophysics QC		

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min
Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation

Acreage	2.09
Velocity [mph]	2.15
Mean Separation [ft]	0.32
Channel Analyzed	Background
Background Signal Mean	-0.23
Background Signal Std Dev	2.63

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 2/1/2012

Survey File Name: 020112-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	020112-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	2/1/2012
Pre-Processed By	Mark Saunders
Completion Date	2/1/2012

Processing Information

Processing Date	2/1/2012
Processed By	Mark Saunders
Completion Date	2/1/2012

Processing Notes:

IAR Range 47

Survey QC

Internal QC	2/1/2012	Mark Saunders
Geophysics QC		

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min
Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation

Acreage	0.34
Velocity [mph]	2.41
Mean Separation [ft]	0.35
Channel Analyzed	Background
Background Signal Mean	-0.45
Background Signal Std Dev	2.5

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 2/1/2012

Survey File Name: 020112-2TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	020112-2TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	2/1/2012
Pre-Processed By	Mark Saunders
Completion Date	2/1/2012

Processing Information

Processing Date	2/1/2012
Processed By	Mark Saunders
Completion Date	2/1/2012

Processing Notes:

IAR Range 47

Survey QC

Internal QC	2/1/2012	Mark Saunders
Geophysics QC		

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min
Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation

Acreage	0.54
Velocity [mph]	2.12
Mean Separation [ft]	0.31
Channel Analyzed	Background
Background Signal Mean	-0.3
Background Signal Std Dev	2.31

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 2/1/2012

Survey File Name: 020112-3TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	020112-3TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	2/1/2012
Pre-Processed By	Mark Saunders
Completion Date	2/1/2012

Processing Information

Processing Date	2/1/2012
Processed By	Mark Saunders
Completion Date	2/1/2012

Processing Notes:

IAR Range 47

Survey QC

Internal QC	2/1/2012	Mark Saunders
-------------	----------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation

Acreage	0.66
Velocity [mph]	2.19
Mean Separation [ft]	0.32
Channel Analyzed	Background
Background Signal Mean	-0.39
Background Signal Std Dev	2.37

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 2/2/2012

Survey File Name: 020212-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	020212-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	2/2/2012
Pre-Processed By	Mark Saunders
Completion Date	2/2/2012

Processing Information

Processing Date	2/2/2012
Processed By	Mark Saunders
Completion Date	2/2/2012

Processing Notes:

IAR Range 47

Survey QC

Internal QC	2/2/2012	Mark Saunders
Geophysics QC		

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min
Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation

Acreage	1
Velocity [mph]	1.9
Mean Separation [ft]	0.28
Channel Analyzed	Background
Background Signal Mean	-0.35
Background Signal Std Dev	2.37

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 2/2/2012

Survey File Name: 020212-2TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	020212-2TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	2/2/2012
Pre-Processed By	Mark Saunders
Completion Date	2/2/2012

Processing Information

Processing Date	2/2/2012
Processed By	Mark Saunders
Completion Date	2/2/2012

Processing Notes:

IAR Range 47

Survey QC

Internal QC	2/2/2012	Mark Saunders
-------------	----------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	0.51
Velocity [mph]	1.7
Mean Separation [ft]	0.25
Channel Analyzed	Background
Background Signal Mean	-0.2
Background Signal Std Dev	2.44

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 2/2/2012

Survey File Name: 020212-3TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	020212-3TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	2/2/2012
Pre-Processed By	Mark Saunders
Completion Date	2/2/2012

Processing Information

Processing Date	2/2/2012
Processed By	Mark Saunders
Completion Date	2/2/2012

Processing Notes:

IAR Range 47

Survey QC

Internal QC	2/2/2012	Mark Saunders
Geophysics QC		

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation

Acreage	0.44
Velocity [mph]	2.12
Mean Separation [ft]	0.31
Channel Analyzed	Background
Background Signal Mean	-0.33
Background Signal Std Dev	2.41

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 2/3/2012

Survey File Name: 020312-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	020312-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	2/3/2012
Pre-Processed By	Mark Saunders
Completion Date	2/3/2012

Processing Information

Processing Date	2/3/2012
Processed By	Mark Saunders
Completion Date	2/3/2012

Processing Notes:

IAR Range 47

Survey QC

Internal QC	2/3/2012	Mark Saunders
-------------	----------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	1.7
Velocity [mph]	2.32
Mean Separation [ft]	0.34
Channel Analyzed	Background
Background Signal Mean	-0.31
Background Signal Std Dev	2.42

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 2/3/2012

Survey File Name: 020312-2TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	020312-2TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	2/3/2012
Pre-Processed By	Mark Saunders
Completion Date	2/3/2012

Processing Information

Processing Date	2/3/2012
Processed By	Mark Saunders
Completion Date	2/3/2012

Processing Notes:

IAR Range 47

Survey QC

Internal QC	2/3/2012	Mark Saunders
Geophysics QC		

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min
Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation

Acreage	0.73
Velocity [mph]	2.38
Mean Separation [ft]	0.35
Channel Analyzed	Background
Background Signal Mean	-0.29
Background Signal Std Dev	2.12

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 2/16/2012

Survey File Name: 021612-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	021612-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	2/16/2012
Pre-Processed By	Mark Saunders
Completion Date	2/16/2012

Processing Information

Processing Date	2/16/2012
Processed By	Mark Saunders
Completion Date	2/16/2012

Processing Notes:

IAR Range 47 Gap surveys

Survey QC

Internal QC	2/16/2012	Mark Saunders
Geophysics QC		

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min
Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation

Acreage	0.58
Velocity [mph]	1.41
Mean Separation [ft]	0.21
Channel Analyzed	Background
Background Signal Mean	-0.34
Background Signal Std Dev	2.19

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 2/16/2012

Survey File Name: 021612-2TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	021612-2TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	2/16/2012
Pre-Processed By	Mark Saunders
Completion Date	2/16/2012

Processing Information

Processing Date	2/16/2012
Processed By	Mark Saunders
Completion Date	2/16/2012

Processing Notes:

IAR Range 47 Gap Survey

Survey QC

Internal QC	2/16/2012	Mark Saunders
-------------	-----------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	0.19
Velocity [mph]	1.21
Mean Separation [ft]	0.18
Channel Analyzed	Background
Background Signal Mean	-0.12
Background Signal Std Dev	1.96

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 3/27/2012

Survey File Name: 032712-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	032712-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	3/27/2012
Pre-Processed By	Mark Saunders
Completion Date	3/27/2012

Processing Information

Processing Date	3/27/2012
Processed By	Mark Saunders
Completion Date	3/27/2012

Processing Notes:

IAR Range 44

Survey QC

Internal QC	3/27/2012	Mark Saunders
-------------	-----------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	0.74
Velocity [mph]	1.6
Mean Separation [ft]	0.24
Channel Analyzed	Background
Background Signal Mean	-0.26
Background Signal Std Dev	2.32

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 3/27/2012

Survey File Name: 032712-2TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	032712-2TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	3/27/2012
Pre-Processed By	Mark Saunders
Completion Date	3/27/2012

Processing Information

Processing Date	3/27/2012
Processed By	Mark Saunders
Completion Date	3/27/2012

Processing Notes:

IAR Range 44

Survey QC

Internal QC	3/27/2012	Mark Saunders
Geophysics QC		

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min
Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation

Acreage	1.22
Velocity [mph]	1.77
Mean Separation [ft]	0.26
Channel Analyzed	Background
Background Signal Mean	-0.18
Background Signal Std Dev	2.41

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 3/28/2012

Survey File Name: 032812-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	032812-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	3/28/2012
Pre-Processed By	Mark Saunders
Completion Date	3/28/2012

Processing Information

Processing Date	3/28/2012
Processed By	Mark Saunders
Completion Date	3/28/2012

Processing Notes:

IAR Range 44

Survey QC

Internal QC	3/28/2012	Mark Saunders
-------------	-----------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	0.98
Velocity [mph]	1.72
Mean Separation [ft]	0.25
Channel Analyzed	Background
Background Signal Mean	-0.18
Background Signal Std Dev	2.31

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 3/28/2012

Survey File Name: 032812-1ATA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	032812-1ATA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	3/28/2012
Pre-Processed By	Mark Saunders
Completion Date	3/28/2012

Processing Information

Processing Date	3/28/2012
Processed By	Mark Saunders
Completion Date	3/28/2012

Processing Notes:

IAR Range 44

Survey QC

Internal QC	3/28/2012	Mark Saunders
-------------	-----------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation

Acreage	0.61
Velocity [mph]	1.57
Mean Separation [ft]	0.23
Channel Analyzed	Background
Background Signal Mean	-0.17
Background Signal Std Dev	2.31

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 3/29/2012

Survey File Name: 032912-1ATA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	032912-1ATA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	3/29/2012
Pre-Processed By	Mark Saunders
Completion Date	3/29/2012

Processing Information

Processing Date	3/29/2012
Processed By	Mark Saunders
Completion Date	3/29/2012

Processing Notes:

IAR Range 44

Survey QC

Internal QC	3/29/2012	Mark Saunders
-------------	-----------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation

Acreage	0.82
Velocity [mph]	1.75
Mean Separation [ft]	0.26
Channel Analyzed	Background
Background Signal Mean	-0.25
Background Signal Std Dev	2.45

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 3/29/2012

Survey File Name: 032912-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	032912-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	3/29/2012
Pre-Processed By	Mark Saunders
Completion Date	3/29/2012

Processing Information

Processing Date	3/29/2012
Processed By	Mark Saunders
Completion Date	3/29/2012

Processing Notes:

IAR Range 44

Survey QC

Internal QC	3/29/2012	Mark Saunders
-------------	-----------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	0.79
Velocity [mph]	1.83
Mean Separation [ft]	0.27
Channel Analyzed	Background
Background Signal Mean	-0.13
Background Signal Std Dev	2.28

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 4/3/2012

Survey File Name: 040312-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	040312-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	4/3/2012
Pre-Processed By	Mark Saunders
Completion Date	4/3/2012

Processing Information

Processing Date	4/3/2012
Processed By	Mark Saunders
Completion Date	4/3/2012

Processing Notes:

IAR Range 44

Survey QC

Internal QC	4/3/2012	Mark Saunders
Geophysics QC		

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min
Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation

Acreage	0.52
Velocity [mph]	1.72
Mean Separation [ft]	0.25
Channel Analyzed	Background
Background Signal Mean	-0.4
Background Signal Std Dev	2.41

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 4/3/2012

Survey File Name: 040312-2TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	040312-2TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	4/3/2012
Pre-Processed By	Mark Saunders
Completion Date	4/3/2012

Processing Information

Processing Date	4/3/2012
Processed By	Mark Saunders
Completion Date	4/3/2012

Processing Notes:

IAR Range 44

Survey QC

Internal QC	4/3/2012	Mark Saunders
-------------	----------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation

Acreage	0.44
Velocity [mph]	1.91
Mean Separation [ft]	0.28
Channel Analyzed	Background
Background Signal Mean	-0.24
Background Signal Std Dev	2.22

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 4/4/2012

Survey File Name: 040412-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	040412-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	4/4/2012
Pre-Processed By	Mark Saunders
Completion Date	4/4/2012

Processing Information

Processing Date	4/4/2012
Processed By	Mark Saunders
Completion Date	4/4/2012

Processing Notes:

IAR Range 47

Survey QC

Internal QC	4/4/2012	Mark Saunders
-------------	----------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation

Acreage	0.31
Velocity [mph]	1.55
Mean Separation [ft]	0.23
Channel Analyzed	Background
Background Signal Mean	-0.48
Background Signal Std Dev	2.08

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 4/4/2012

Survey File Name: 040412-2TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	040412-2TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	4/4/2012
Pre-Processed By	Mark Saunders
Completion Date	4/4/2012

Processing Information

Processing Date	4/4/2012
Processed By	Mark Saunders
Completion Date	4/4/2012

Processing Notes:

IAR Range 44

Survey QC

Internal QC	4/4/2012	Mark Saunders
-------------	----------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	0.48
Velocity [mph]	1.77
Mean Separation [ft]	0.26
Channel Analyzed	Background
Background Signal Mean	-0.01
Background Signal Std Dev	2.4

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 4/5/2012

Survey File Name: 040512-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	040512-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	4/5/2012
Pre-Processed By	Mark Saunders
Completion Date	4/5/2012

Processing Information

Processing Date	4/5/2012
Processed By	Mark Saunders
Completion Date	4/5/2012

Processing Notes:

IAR Range 44

Survey QC

Internal QC	4/5/2012	Mark Saunders
-------------	----------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	0.62
Velocity [mph]	1.86
Mean Separation [ft]	0.27
Channel Analyzed	Background
Background Signal Mean	-0.06
Background Signal Std Dev	2.48

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 4/5/2012

Survey File Name: 040512-2TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	040512-2TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	4/5/2012
Pre-Processed By	Mark Saunders
Completion Date	4/5/2012

Processing Information

Processing Date	4/5/2012
Processed By	Mark Saunders
Completion Date	4/5/2012

Processing Notes:

IAR Range 44

Survey QC

Internal QC	4/5/2012	Mark Saunders
-------------	----------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min
Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation

Acreage	0.59
Velocity [mph]	1.99
Mean Separation [ft]	0.29
Channel Analyzed	Background
Background Signal Mean	-0.04
Background Signal Std Dev	1.94

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 8/20/2012

Survey File Name: 082012-2TA(EM61-MK2)

Associated Files

Type of DGM Survey	EM
DGM File Version	QC Survey
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	082012-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	8/20/2012
Pre-Processed By	Mark Saunders
Completion Date	8/20/2012

Processing Information

Processing Date	8/20/2012
Processed By	Mark Saunders
Completion Date	8/20/2012

Processing Notes:

R47 QC2 data for Area C North

Survey QC

Internal QC	8/20/2012	Mark Saunders
-------------	-----------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
-------------------	--------

Diurnal Correction Performed	False
------------------------------	-------

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	0.52
---------	------

Velocity [mph]	2.14
----------------	------

Mean Separation [ft]	0.31
----------------------	------

Channel Analyzed	Background
------------------	------------

Background Signal Mean	-0.14
------------------------	-------

Background Signal Std Dev	2.57
---------------------------	------

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 8/28/2012

Survey File Name: 082812-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	082812-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	8/28/2012
Pre-Processed By	Mark Saunders
Completion Date	8/28/2012

Processing Information

Processing Date	8/28/2012
Processed By	Mark Saunders
Completion Date	8/28/2012

Processing Notes:

R47 Geo Investigation Polygons

Survey QC

Internal QC	8/28/2012	Mark Saunders
Geophysics QC		

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min
Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation

Acreage	0.26
Velocity [mph]	2.17
Mean Separation [ft]	0.32
Channel Analyzed	Background
Background Signal Mean	-0.09
Background Signal Std Dev	2.07

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 8/28/2012

Survey File Name: 082812-2TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	082812-2TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	8/28/2012
Pre-Processed By	Mark Saunders
Completion Date	8/28/2012

Processing Information

Processing Date	8/28/2012
Processed By	Mark Saunders
Completion Date	8/28/2012

Processing Notes:

IAR R47 Geo Investigation Polys

Survey QC

Internal QC	8/28/2012	Mark Saunders
Geophysics QC		

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min
Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation

Acreage	0.51
Velocity [mph]	2.27
Mean Separation [ft]	0.33
Channel Analyzed	Background
Background Signal Mean	-0.2
Background Signal Std Dev	2.17

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 8/29/2012

Survey File Name: 082912-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	082912-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	8/29/2012
Pre-Processed By	Mark Saunders
Completion Date	8/29/2012

Processing Information

Processing Date	8/29/2012
Processed By	Mark Saunders
Completion Date	8/29/2012

Processing Notes:

Survey QC

Internal QC	8/29/2012	Mark Saunders
Geophysics QC		

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min
Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation

Acreage	0.34
Velocity [mph]	2.16
Mean Separation [ft]	0.32
Channel Analyzed	Background
Background Signal Mean	-0.19
Background Signal Std Dev	2.31

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 8/29/2012

Survey File Name: 082912-2TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	082912-2TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	8/29/2012
Pre-Processed By	Mark Saunders
Completion Date	8/29/2012

Processing Information

Processing Date	8/29/2012
Processed By	Mark Saunders
Completion Date	8/29/2012

Processing Notes:

Survey QC

Internal QC	8/29/2012	Mark Saunders
Geophysics QC		

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min
Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation

Acreage	0.31
Velocity [mph]	2.04
Mean Separation [ft]	0.3
Channel Analyzed	Background
Background Signal Mean	-0.08
Background Signal Std Dev	2.06

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 9/4/2012

Survey File Name: 090412-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	090412-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	9/4/2012
Pre-Processed By	Mark Saunders
Completion Date	9/4/2012

Processing Information

Processing Date	9/4/2012
Processed By	Mark Saunders
Completion Date	9/4/2012

Processing Notes:

IAR R47

Survey QC

Internal QC	9/4/2012	Mark Saunders
-------------	----------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	0.28
Velocity [mph]	2.22
Mean Separation [ft]	0.33
Channel Analyzed	Background
Background Signal Mean	-0.21
Background Signal Std Dev	2.23

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 9/4/2012

Survey File Name: 090412-2TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	090412-2TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	9/4/2012
Pre-Processed By	Mark Saunders
Completion Date	9/4/2012

Processing Information

Processing Date	9/4/2012
Processed By	Mark Saunders
Completion Date	9/4/2012

Processing Notes:

IAR R47

Survey QC

Internal QC	9/4/2012	Mark Saunders
-------------	----------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation

Acreage	0.45
Velocity [mph]	2.2
Mean Separation [ft]	0.32
Channel Analyzed	Background
Background Signal Mean	-0.35
Background Signal Std Dev	2.17

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 9/4/2012

Survey File Name: 090412-3TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	090412-3TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	9/4/2012
Pre-Processed By	Mark Saunders
Completion Date	9/4/2012

Processing Information

Processing Date	9/4/2012
Processed By	Mark Saunders
Completion Date	9/4/2012

Processing Notes:

IAR-R47

Survey QC

Internal QC	9/4/2012	Mark Saunders
-------------	----------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation

Acreage	0.28
Velocity [mph]	2.2
Mean Separation [ft]	0.32
Channel Analyzed	Background
Background Signal Mean	-0.25
Background Signal Std Dev	2.08

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 9/5/2012

Survey File Name: 090512-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	QC Survey
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	090512-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	9/5/2012
Pre-Processed By	Mark Saunders
Completion Date	9/5/2012

Processing Information

Processing Date	9/5/2012
Processed By	
Completion Date	9/5/2012

Processing Notes:

IAR-R44 QC2

Survey QC

Internal QC	9/5/2012	Mark Saunders
Geophysics QC		

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min
Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation

Acreage	0.69
Velocity [mph]	2.35
Mean Separation [ft]	0.4
Channel Analyzed	Background
Background Signal Mean	-0.1
Background Signal Std Dev	2.25

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 9/5/2012

Survey File Name: 090512-2TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	QC Survey
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	090512-2TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	9/5/2012
Pre-Processed By	Mark Saunders
Completion Date	9/5/2012

Processing Information

Processing Date	9/5/2012
Processed By	Mark Saunders
Completion Date	9/5/2012

Processing Notes:

IAR-R44 QC2
No Velocity Calc available

Survey QC

Internal QC	9/5/2012	Mark Saunders
Geophysics QC		

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min
Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation

Acreage	1.95
Velocity [mph]	
Mean Separation [ft]	0.38
Channel Analyzed	Background
Background Signal Mean	-0.16
Background Signal Std Dev	2.67

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 9/12/2012

Survey File Name: 091212-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	091212-1TA.gdb

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
-------------------	--------

Diurnal Correction Performed	False
------------------------------	-------

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Pre-Processing Information [xyz]

Pre-Processing Date	9/12/2012
Pre-Processed By	Mark Saunders
Completion Date	9/12/2012

Processing Information

Processing Date	9/12/2012
Processed By	Mark Saunders
Completion Date	9/12/2012

Processing Notes:

IAR-R47

Statistics and Data Evaluation

Acreage	0.63
Velocity [mph]	2.09
Mean Separation [ft]	0.31
Channel Analyzed	Background
Background Signal Mean	-0.18
Background Signal Std Dev	2.15

Survey QC

Internal QC	9/12/2012	Mark Saunders
-------------	-----------	---------------

Geophysics QC

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 9/13/2012

Survey File Name: 091312-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	091312-1TA.gdb

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
-------------------	--------

Diurnal Correction Performed	False
------------------------------	-------

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Pre-Processing Information [xyz]

Pre-Processing Date	9/13/2012
Pre-Processed By	Mark Saunders
Completion Date	9/13/2012

Processing Information

Processing Date	9/13/2012
Processed By	Mark Saunders
Completion Date	9/13/2012

Processing Notes:

IAR-47

Statistics and Data Evaluation

Acreage	0.44
Velocity [mph]	1.87
Mean Separation [ft]	0.27
Channel Analyzed	Background
Background Signal Mean	-0.34
Background Signal Std Dev	2.18

Survey QC

Internal QC	9/13/2012	Mark Saunders
-------------	-----------	---------------

Geophysics QC

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 9/13/2012

Survey File Name: 091312-2TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	091312-2TA.gdb

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
-------------------	--------

Diurnal Correction Performed	False
------------------------------	-------

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Pre-Processing Information [xyz]

Pre-Processing Date	9/13/2012
Pre-Processed By	Mark Saunders
Completion Date	9/13/2012

Processing Information

Processing Date	9/13/2012
Processed By	Mark Saunders
Completion Date	9/13/2012

Processing Notes:

IAR-R47

Statistics and Data Evaluation

Acreage	0.24
Velocity [mph]	1.92
Mean Separation [ft]	0.28
Channel Analyzed	Background
Background Signal Mean	-0.19
Background Signal Std Dev	2.14

Survey QC

Internal QC	9/13/2012	Mark Saunders
-------------	-----------	---------------

Geophysics QC

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 9/20/2012

Survey File Name: 092012-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	092012-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	9/20/2012
Pre-Processed By	Mark Saunders
Completion Date	9/20/2012

Processing Information

Processing Date	9/20/2012
Processed By	Mark Saunders
Completion Date	9/20/2012

Processing Notes:

IAR-47 Post-Sift Geo Polygons

Survey QC

Internal QC	9/20/2012	Mark Saunders
Geophysics QC		

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min
Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
Latency PM	0.3

Statistics and Data Evaluation

Acreage	0.56
Velocity [mph]	1.92
Mean Separation [ft]	0.32
Channel Analyzed	Background
Background Signal Mean	-0.3
Background Signal Std Dev	2.12

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 10/8/2012

Survey File Name: 100812-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	100812-1TA.gdb

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
-------------------	--------

Diurnal Correction Performed	False
------------------------------	-------

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Pre-Processing Information [xyz]

Pre-Processing Date	10/8/2012
Pre-Processed By	Mark Saunders
Completion Date	10/8/2012

Processing Information

Processing Date	10/8/2012
Processed By	Mark Saunders
Completion Date	10/8/2012

Processing Notes:

IAR-R47 Verification

Statistics and Data Evaluation

Acreage	3.02
Velocity [mph]	2.19
Mean Separation [ft]	0.349
Channel Analyzed	Background
Background Signal Mean	-0.2
Background Signal Std Dev	2.31

Survey QC

Internal QC	10/8/2012	Mark Saunders
-------------	-----------	---------------

Geophysics QC

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 10/9/2012

Survey File Name: 100912-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	100912-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	10/9/2012
Pre-Processed By	Mark Saunders
Completion Date	10/9/2012

Processing Information

Processing Date	10/9/2012
Processed By	Mark Saunders
Completion Date	10/9/2012

Processing Notes:

IAR-R47 Verification

Survey QC

Internal QC	10/9/2012	Mark Saunders
-------------	-----------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
-------------------	--------

Diurnal Correction Performed	False
------------------------------	-------

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	3.55
---------	------

Velocity [mph]	2.27
----------------	------

Mean Separation [ft]	0.33
----------------------	------

Channel Analyzed	Background
------------------	------------

Background Signal Mean	-0.13
------------------------	-------

Background Signal Std Dev	2.23
---------------------------	------

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 10/9/2012

Survey File Name: 100912-2TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	100912-2TA.gdb

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
-------------------	--------

Diurnal Correction Performed	False
------------------------------	-------

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Pre-Processing Information [xyz]

Pre-Processing Date	10/9/2012
Pre-Processed By	Mark Saunders
Completion Date	10/9/2012

Processing Information

Processing Date	10/9/2012
Processed By	Mark Saunders
Completion Date	10/9/2012

Processing Notes:

IAR-R47 Verification

Statistics and Data Evaluation

Acreage	1.23
Velocity [mph]	2.4
Mean Separation [ft]	0.35
Channel Analyzed	Background
Background Signal Mean	-0.1
Background Signal Std Dev	2.29

Survey QC

Internal QC	10/9/2012	Mark Saunders
-------------	-----------	---------------

Geophysics QC

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 10/10/2012

Survey File Name: 101012-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	101012-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	10/10/2012
Pre-Processed By	Mark Saunders
Completion Date	10/10/2012

Processing Information

Processing Date	10/10/2012
Processed By	Mark Saunders
Completion Date	10/10/2012

Processing Notes:

IAR-R47 Verification

Survey QC

Internal QC	10/10/2012	Mark Saunders
-------------	------------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	3.85
Velocity [mph]	2.37
Mean Separation [ft]	0.35
Channel Analyzed	Background
Background Signal Mean	-0.21
Background Signal Std Dev	2.31

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 10/10/2012

Survey File Name: 101012-2TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	101012-2TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	10/10/2012
Pre-Processed By	Mark Saunders
Completion Date	10/10/2012

Processing Information

Processing Date	10/10/2012
Processed By	Mark Saunders
Completion Date	10/10/2012

Processing Notes:

IAR-R47 Verification

Survey QC

Internal QC	10/10/2012	Mark Saunders
-------------	------------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	1.1
Velocity [mph]	2.45
Mean Separation [ft]	0.36
Channel Analyzed	Background
Background Signal Mean	-0.1
Background Signal Std Dev	2.21

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 10/11/2012

Survey File Name: 101112-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	101112-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	10/11/2012
Pre-Processed By	Mark Saunders
Completion Date	10/11/2012

Processing Information

Processing Date	10/11/2012
Processed By	Mark Saunders
Completion Date	10/11/2012

Processing Notes:

IAR-R47 Verification

Survey QC

Internal QC	10/11/2012	Mark Saunders
-------------	------------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
-------------------	--------

Diurnal Correction Performed	False
------------------------------	-------

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	0.33
---------	------

Velocity [mph]	2.05
----------------	------

Mean Separation [ft]	0.3
----------------------	-----

Channel Analyzed	Background
------------------	------------

Background Signal Mean	-0.22
------------------------	-------

Background Signal Std Dev	2.38
---------------------------	------

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 10/11/2012

Survey File Name: 101112-2TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	101112-2TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	10/11/2012
Pre-Processed By	Mark Saunders
Completion Date	10/11/2012

Processing Information

Processing Date	10/11/2012
Processed By	Mark Saunders
Completion Date	10/11/2012

Processing Notes:

IAR-R47 Verification

Survey QC

Internal QC	10/11/2012	Mark Saunders
-------------	------------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	0.76
Velocity [mph]	2
Mean Separation [ft]	0.29
Channel Analyzed	Background
Background Signal Mean	-0.16
Background Signal Std Dev	2.07

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 10/11/2012

Survey File Name: 101112-3TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	101112-3TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	10/11/2012
Pre-Processed By	Mark Saunders
Completion Date	10/11/2012

Processing Information

Processing Date	10/11/2012
Processed By	Mark Saunders
Completion Date	10/11/2012

Processing Notes:

IAR-R47 Verification

Survey QC

Internal QC	10/11/2012	Mark Saunders
-------------	------------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
-------------------	--------

Diurnal Correction Performed	False
------------------------------	-------

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	0.7
---------	-----

Velocity [mph]	1.88
----------------	------

Mean Separation [ft]	0.28
----------------------	------

Channel Analyzed	Background
------------------	------------

Background Signal Mean	-0.01
------------------------	-------

Background Signal Std Dev	2.46
---------------------------	------

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 10/12/2012

Survey File Name: 101212-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	101212-1TA.gdb

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
-------------------	--------

Diurnal Correction Performed	False
------------------------------	-------

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Pre-Processing Information [xyz]

Pre-Processing Date	10/12/2012
Pre-Processed By	Mark Saunders
Completion Date	10/12/2012

Processing Information

Processing Date	10/12/2012
Processed By	Mark Saunders
Completion Date	10/12/2012

Processing Notes:

IAR-47 Verification

Statistics and Data Evaluation

Acreage	0.24
Velocity [mph]	2.32
Mean Separation [ft]	0.34
Channel Analyzed	Background
Background Signal Mean	-0.16
Background Signal Std Dev	2.21

Survey QC

Internal QC	10/12/2012	Mark Saunders
-------------	------------	---------------

Geophysics QC

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 10/12/2012

Survey File Name: 101212-2TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	101212-2TA.gdb

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
-------------------	--------

Diurnal Correction Performed	False
------------------------------	-------

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Pre-Processing Information [xyz]

Pre-Processing Date	10/12/2012
Pre-Processed By	Mark Saunders
Completion Date	10/12/2012

Processing Information

Processing Date	10/12/2012
Processed By	Mark Saunders
Completion Date	10/12/2012

Processing Notes:

IAR-R47 Verification

Statistics and Data Evaluation

Acreage	0.35
Velocity [mph]	1.76
Mean Separation [ft]	0.26
Channel Analyzed	Background
Background Signal Mean	-0.15
Background Signal Std Dev	2.15

Survey QC

Internal QC	10/12/2012	Mark Saunders
-------------	------------	---------------

Geophysics QC

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 10/12/2012

Survey File Name: 101212-3TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	101212-3TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	10/12/2012
Pre-Processed By	Mark Saunders
Completion Date	10/12/2012

Processing Information

Processing Date	10/12/2012
Processed By	Mark Saunders
Completion Date	10/12/2012

Processing Notes:

IAR-R47 Verification

Survey QC

Internal QC	10/12/2012	Mark Saunders
-------------	------------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	0.36
Velocity [mph]	2.1
Mean Separation [ft]	0.31
Channel Analyzed	Background
Background Signal Mean	-0.11
Background Signal Std Dev	2.33

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 10/12/2012

Survey File Name: 101212-4TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	101212-4TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	10/12/2012
Pre-Processed By	Mark Saunders
Completion Date	10/12/2012

Processing Information

Processing Date	10/12/2012
Processed By	Mark Saunders
Completion Date	10/12/2012

Processing Notes:

IAR-R47 Verification

Survey QC

Internal QC	10/12/2012	Mark Saunders
-------------	------------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	0.314
---------	-------

Velocity [mph]	1.99
----------------	------

Mean Separation [ft]	0.29
----------------------	------

Channel Analyzed	Background
------------------	------------

Background Signal Mean	-0.3
------------------------	------

Background Signal Std Dev	2.42
---------------------------	------

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 10/16/2012

Survey File Name: 101612-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	Baseline DGM
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	101612-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	10/16/2012
Pre-Processed By	Mark Saunders
Completion Date	10/16/2012

Processing Information

Processing Date	10/16/2012
Processed By	Mark Saunders
Completion Date	10/16/2012

Processing Notes:

IAR-R47 Verification North section Area A redo

Survey QC

Internal QC	10/16/2012	Mark Saunders
-------------	------------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	1.32
Velocity [mph]	2.47
Mean Separation [ft]	0.36
Channel Analyzed	Background
Background Signal Mean	-0.14
Background Signal Std Dev	2.31

Created by:

Edited by:

Geo Survey File Processing



FORA ESCA Remediation Program

Monterey, CA

Survey Date: 12/17/2012

Survey File Name: 121712-2TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	QC Survey
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	121712-1TA.gdb

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
-------------------	--------

Diurnal Correction Performed	False
------------------------------	-------

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Pre-Processing Information [xyz]

Pre-Processing Date	12/17/2012
Pre-Processed By	Mark Saunders
Completion Date	12/17/2012

Processing Information

Processing Date	12/17/2012
Processed By	Mark Saunders
Completion Date	12/17/2012

Processing Notes:

IAR R44 Verification
6 lines from coil 4 had to be deselected systematic noise was observed causing the signal to spike.
No other coils appear to be affected.

Statistics and Data Evaluation

Acreage	0.95
Velocity [mph]	2.19
Mean Separation [ft]	0.32
Channel Analyzed	Background
Background Signal Mean	-0.09
Background Signal Std Dev	2.3

Survey QC

Internal QC	12/17/2012	Mark Saunders
-------------	------------	---------------

Geophysics QC

Created by:

Edited by:

Geo Survey File Processing

Survey Date: 12/18/2012

Survey File Name: 121812-1TA(EM61-MK2 Towed Array)

Associated Files

Type of DGM Survey	EM
DGM File Version	QC Survey
XYZ File Name	Export.EM61MII.coil#.xyz
Geosoft DB Name	121812-1TA.gdb

Pre-Processing Information [xyz]

Pre-Processing Date	12/18/2012
Pre-Processed By	Mark Saunders
Completion Date	12/18/2012

Processing Information

Processing Date	12/18/2012
Processed By	Mark Saunders
Completion Date	12/18/2012

Processing Notes:

IAR R44 Verification

Survey QC

Internal QC	12/18/2012	Mark Saunders
-------------	------------	---------------

Geophysics QC

Processing Parameters

Drift Correction Performed	True
Window Length	200

UX - Drift

Drift Min

Drift Max

Statistical Drift Correction

Correction Method	Median
Diurnal Correction Performed	False

Latency

Latency AM	0.3
------------	-----

Latency PM	0.3
------------	-----

Statistics and Data Evaluation

Acreage	1.11
Velocity [mph]	1.89
Mean Separation [ft]	0.28
Channel Analyzed	Background
Background Signal Mean	-0.2
Background Signal Std Dev	2.38

Created by:

Edited by: