



**Date** 5/12/2008

**Processing Notes**

Continuing UXOFast assistance and coordination of field effort.

Data collected today at several Weston SCA areas

W166 need to be recollected

W114 need to be recollected

W110 OK

Field Crew:

Brian Guthrie

Susan Young

**EM Acreage** 0.025

**Mag Acreage** 0

**Files Submitted**

None

**Submitted By**

**Submitted To**



**Date** 5/13/2008

**Processing Notes**

Field Team collected data along the Blue Line of all SCA Polygons within 50 foot buffer including W068, W090, W091, and partial data for W160. There was a communication problem with the RTK and the EM61-MK2 no data collection for 2 hours, team fixed the problem but needs to disable the log to external sensor option on the Nav61-MK2 software.

Field Crew:  
Brian Guthrie  
Susan Young

**EM Acreage** 0.046

**Mag Acreage** 0

**Files Submitted**

None

**Submitted By**

**Submitted To** None



**Date** 5/14/2008

**Processing Notes**

Continued collecting data along the Blue Line of all SCA Polygons within 50 foot buffer. Allegro CX Data logger corrupt and will not turn on, cannot retrieve data from the days surveys. Data Logger must be sent back to Juniper systems for repair

Field Crew:  
Brian Guthrie  
Susan Young

**EM Acreage** 0.273

**Mag Acreage** 0

**Files Submitted**

None

**Submitted By**

**Submitted To**



**Date** 5/15/2008

**Processing Notes**

Continued collecting data along the Blue Line of all SCA Polygons within 50 foot buffer.  
RTK issues all day prohibited any data collection.  
Sent Allegro CX data logger in to Juniper systems to extract data off it from Wednesday and repair.

Field Crew:  
Brian Guthrie  
Susan Young

**EM Acreage** 0

**Mag Acreage** 0

**Files Submitted**

None

**Submitted By**

**Submitted To**



**Date** 5/16/2008

**Processing Notes**

Continued collecting data along the Blue Line of all SCA Polygons within 50 foot buffer W018, RTK issues from 11-4 prohibited data collection during those hours, may need to adjust geo working schedule to accommodate GPS.

Received Allegro CX data from Juniper systems, data is valid and good.

Field Crew:  
Brian Guthrie  
Susan Young

**EM Acreage** 0.043

**Mag Acreage** 0

**Files Submitted**

None

**Submitted By**

**Submitted To**



**Date** 5/19/2008

**Processing Notes**

Continued collecting data along the Blue Line of all SCA Polygons within 50 foot buffer W015 and W159 and W160.  
Started data collection on the WOW area (Will be very difficult surveying). Power line in conjunction with the poor terrain will more than likely create a lot of false positives in the data. We attempt to smooth some of the noise out with a non-linear filter.

Field Crew:  
Tara Fitzgerald  
Brian Guthrie  
Susan Young

**EM Acreage** 0.3973

**Mag Acreage**

**Files Submitted**

None

**Submitted By**

**Submitted To**



**Date**            5/20/2008

**Processing Notes**

Finished collecting data at SCA Polygons W160 on the Blueline 50 foot buffer.  
Collecting data at the WOW.

Field Crew:  
Tara Fitzgerald  
Brian Guthrie  
Susan Young

**EM Acreage**            0.5096

**Mag Acreage**

**Files Submitted**

**Submitted By**

**Submitted To**



**Date**            5/21/2008

**Processing Notes**

Continuing data collection at the WOW. Identified two very small areas that need to be collected at the Blue Line Buffer, W079 and W145.

Field Crew:  
Tara Fitzgerald  
Brian Guthrie  
Susan Young

**EM Acreage**            0.62354

**Mag Acreage**

**Files Submitted**

**Submitted By**

**Submitted To**





**Date** 5/22/2008

**Processing Notes**

Continuing data collection on the WOW.  
Small area on top of hill at WOW where power tower is down to the road will be left to collect with Analog instruments or G-858. Sue young performing Reac all day.

Field Crew:  
Tara Fitzgerald  
Brian Guthrie  
Susan Young

**EM Acreage** 0.82248

**Mag Acreage**

**Files Submitted**

**Submitted By**

**Submitted To**



**Date**            5/23/2008

**Processing Notes**

Continued data collection in the WOW area. Completed EM61-MK2 work at the WOW. Will do remaining areas with the G-858 Mag or analog instruments.

Field Crew:  
Tara Fitzgerald  
Brian Guthrie  
Susan Young

**EM Acreage**            0.57418

**Mag Acreage**

**Files Submitted**

None

**Submitted By**

**Submitted To**



**Date**            5/26/2008

**Processing Notes**

No Work - Memorial Day

**EM Acreage**            0

**Mag Acreage**

**Files Submitted**

**Submitted By**

**Submitted To**



**Date**            5/27/2008

**Processing Notes**

Collected data at last two small SCA Polygons along the Blueline (W078 & W145).  
Performed QC-2 surveys on all remaining SCA Polygons along the Blueline.

Field Crew:  
Tara Fitzgerald  
Brian Guthrie  
Susan Young

**EM Acreage**

**Mag Acreage**

**Files Submitted**

A large, empty rectangular box with a black border, intended for listing submitted files.

**Submitted By**    Mark Saunders

**Submitted To**



**Date**            5/28/2008

**Processing Notes**

Collecting Mag G-858 data on the WOW area where EM61-MK2 data was not collected (Terrain Safety issues)

Field Crew:  
Tara Fitzgerald  
Brian Guthrie  
Susan Young

**EM Acreage**

**Mag Acreage**            0.2621

**Files Submitted**

**Submitted By**

**Submitted To**



**Date** 5/29/2008

**Processing Notes**

Collecting towed array EM data on the pink line starting in the south of MRS1 to the north near the sift plant entry road.

Field Crew:  
Tara Fitzgerald  
Brian Guthrie  
Susan Young

**EM Acreage** 1.764

**Mag Acreage**

**Files Submitted**

None

**Submitted By**

**Submitted To**



**Date**            5/30/2008

**Processing Notes**

Collecting towed array EM data on the pink line starting at the sift plant entry road continuing north.

Field Crew:  
Tara Fitzgerald  
Brian Guthrie  
Susan Young

**EM Acreage**            2.2863

**Mag Acreage**

**Files Submitted**

None

**Submitted By**

**Submitted To**



**Date**            6/2/2008

**Processing Notes**

Collecting towed array EM data on the pink line starting at the north WOW gate entry road continuing north.  
W005, W048  
Field Crew:  
Tara Fitzgerald  
Brian Guthrie  
Susan Young

**EM Acreage**            2.6765

**Mag Acreage**

**Files Submitted**

None

**Submitted By**

**Submitted To**





**Date**            6/3/2008

**Processing Notes**

Pink Line w048 from top of hill before gully (SCA\_160) to the pumping station near Eucalyptus Road/gate. Sue, Paul, Matt doing the GPOs. They had a lot of trouble at GPO 2 with satellites/RTK fix. Tara and BG had very little trouble with RTK. Matt told us to remove the wheel from the towed array and wants something done differently. In the EM61 zip file, Delete Survey 1 file and use Survey1A. I will ask Sue to get me the field notes for this files along with the MAG data.

Field Crew:  
Tara Fitzgerald  
Brian Guthrie  
Susan Young  
Paul Novak

**EM Acreage**            2.41

**Mag Acreage**

**Files Submitted**

**Submitted By**

**Submitted To**



**Date**            6/4/2008

**Processing Notes**

Today Paul Novak proved out on Test Plot 1 with the mag/gps. The gps/rtk were streaming and fixed during the survey. Surveyed approximately 25-30% of the WOW using the Mag today and entered the data in the PDA (there wasn't any place to put fldstat1 and fldstat2 in the PDA so I put it in the notes, but the data is in DataSet1 Lines 5/6 (fldst1) and 7/8 (fldst2). Paul's prove out is in DataSet2 and the WOW data is in DataSet3. There was a lot of traffic near the roadway.

Brian/Tara collected about 2 acres of data today in the towed array. PDA still gave them some trouble and MagLog froze up on them twice.

The Reac/Dig Team reacquired all 166 points in the WOW. The points were not in the PDA (2nd dig) so they couldn't enter the data. They dug 101 targets in the WOW and 11 targets in W114.

Field Crew:  
Tara Fitzgerald  
Brian Guthrie  
Susan Young  
Paul Novak

**EM Acreage**            1.7363

**Mag Acreage**            0.4979

**Files Submitted**

**Submitted By**

**Submitted To**



**Date**            6/5/2008

**Processing Notes**

The sensor offset from the GPS is 1.22 meters (4'); the sensor offset distance between the two sensors is 0.915 meters (3').

Tara and Brian worked on W160 and roadway alignment, completed about half of it. Paul, Matt, and Sue were on the WOW. Matt arrived on site around 8am; completed north side and started on the south side of the hill. Things went well, no major problems. We are scheduled to do QC 2 (again...) on the grids that were redone and will finish the pink line on the sand hill by single unit. The data from 3 of the PDAs was sent successfully; Team #2 PDA gave an error message that said not all the updated tables could be sent. The new EM61 single unit is assembled and working. This unit is an EM61-MK2a with the electronics/data logger attached to the handle and the battery fixed in the middle of the bottom sensor. We also received the Weston Unit and that one is assembled as well.

Field Crew:  
Tara Fitzgerald  
Brian Guthrie  
Susan Young  
Paul Novak

**EM Acreage**            1.264

**Mag Acreage**            0.7654

**Files Submitted**

**Submitted By**

**Submitted To**



**Date**            6/6/2008

**Processing Notes**

Completed the QC2 and got to the gap in the pink line today. Did less than an acre in the pink line. Performed Mag on the WOW

Field Crew:  
Tara Fitzgerald  
Brian Guthrie  
Susan Young  
Paul Novak

**EM Acreage**            0.1767

**Mag Acreage**            0.6265

**Files Submitted**

**Submitted By**

**Submitted To**



**Date**            6/7/2008

**Processing Notes**

Resurveyed areas in the WOW to fill in data gaps and expand the surveyed areas using the Mag with the new cables. Attached is the data and the field notes. I used the PDA to log in the data and sent it successfully.

Field Crew:  
Sue Young  
Paul Novak

**EM Acreage**

**Mag Acreage**            0.1652

**Files Submitted**

**Submitted By**

**Submitted To**



**Date**            6/9/2008

**Processing Notes**

Continued data collection at the WOW with the Mag. Tara began to fill in gaps and inaccessible areas with the single unit as well as scout for scrape areas with Sue

Field Crew:  
Tara Fitzgerald  
Susan Young  
Paul Novak

**EM Acreage**            0.199

**Mag Acreage**

**Files Submitted**

**Submitted By**

**Submitted To**



**Date**            6/10/2008

**Processing Notes**

Data collection on WOW finished (probably will have to full in data gaps) Tara collected data in the SCA next to the trailer at the request of Linda W118. Then Tara and Sue performed test strip analysis on the 37 mm next to the GTP

Field Crew:  
Tara Fitzgerald  
Susan Young  
Paul Novak

**EM Acreage**            0.16115

**Mag Acreage**            0.5363

**Files Submitted**

**Submitted By**

**Submitted To**



**Date**            6/11/2008

**Processing Notes**

Tara and Paul continuing investigating areas within the Roadway alignment.

Field Crew:  
Tara Fitzgerald  
Susan Young  
Paul Novak

**EM Acreage**            0.32613

**Mag Acreage**

**Files Submitted**

**Submitted By**

**Submitted To**





**Date**            6/12/2008

**Processing Notes**

Tara and Paul continuing investigating areas within the Roadway alignment.

Field Crew:  
Tara Fitzgerald  
Susan Young  
Paul Novak

**EM Acreage**            0.0775

**Mag Acreage**

**Files Submitted**

**Submitted By**

**Submitted To**



**Date**            6/13/2008

**Processing Notes**

Field team assisting Reac and Dig team, no DGM data Collected.

Field Crew:  
Tara Fitzgerald  
Susan Young  
Paul Novak

**EM Acreage**            0

**Mag Acreage**            0

**Files Submitted**

**Submitted By**

**Submitted To**



**Date**            6/16/2008

**Processing Notes**

Tara and Paul surveyed W145(QC2), and W035; Started initial survey with the new unit (after prove-out), the crew then noticed a drift during the survey, they brought the unit back to the QC area, ran through 10 minutes of monitoring, changed batteries. Things appeared to have stabilized.

--Brian got the gator back from the UXO guys, pulled the towed array out, cleaned out all connections, checked cables, and ran a QC check. The static and spike QC ran for 10 minutes each. The blue channel had some jumps (421 mV to 430 mV). Performed cable shake as well, no changes in values.

New Weston EM information:

Allegro: 62474

Instrument Box: 082829

Bottom Coil: 0832

Field Crew:

Brian Guthrie

Tara Fitzgerald

Susan Young

Paul Novak

**EM Acreage**            0.14426

**Mag Acreage**

**Files Submitted**

**Submitted By**

**Submitted To**



**Date**            6/17/2008

**Processing Notes**

Paul/Tara finished all the WOW gaps, only have the crest of the hill. Some areas too steep to use with MAG. For those areas, recommend MAG and Dig.  
EM testing results:  
EXI has bad coil. Changed instruments, same results. Currently the unit is set aside and not being used for Data collection or Digs.  
New unit is okay  
We will pull the array out first thing tomorrow and run it through some tests.

Field Crew:  
Brian Junck  
Brian Guthrie  
Tara Fitzgerald  
Brian Junck  
Paul Novak

**EM Acreage**            0

**Mag Acreage**

**Files Submitted**

**Submitted By**

**Submitted To**



**Date** 6/18/2008

**Processing Notes**

Tara and Paul surveyed the Pink Line-(W048) sand hill, and the areas around the pumping station (pink line). They tried to survey W035 but had poor satellite coverage for a good part of the morning. They did recon an SCA (will get you the number tomorrow) but it was a very high and steep berm.

Brian J did the MAG tests, Brian G pulled green coils off array to put into service for data collecting the small areas, and so we can have two teams going. We did check the readings at the QC area. All values are rock solid and looked good.

Got truck (rental) ordered and delivered to the site.  
Sift plant found MEC that was demo'd today.

Field Crew:  
Brian Junck  
Brian Guthrie  
Tara Fitzgerald  
Susan Young  
Paul Novak

**EM Acreage** 0.355

**Mag Acreage**

**Files Submitted**

**Submitted By**

**Submitted To**



**Date** 6/19/2008

**Processing Notes**

Completed SCA-W035 and started W134 until they lost satellites and the GPS/RTK fix. They also completed a recon of all the SCAs in the roadway alignment and now have a complete list of the areas that need to be done. Because of the problems with the base station they will probably have to resurvey all of W134 and we sent the survey data to compare with the data they will be collecting with the new base station tomorrow.

The Reac and Dig Teams worked on the Pink Line targets. The Reac Team acquired 63 targets and the Dig Team excavated/investigated 99 targets.

Brian G and Tara scouted the "gaps" or missing areas, photo documented.

Brian G talked to Greg about getting areas scraped--I believed it may have been brought up in the meeting (at end?)

Brian J worked on trying to solve the base station problem--possible bad base station. New Base station will be used

Field Crew:  
Brian Junck  
Brian Guthrie  
Tara Fitzgerald  
Susan Young  
Paul Novak

**EM Acreage** 0.07888

**Mag Acreage**

**Files Submitted**

**Submitted By**

**Submitted To**



**Date**            6/20/2008

**Processing Notes**

Surveyed some fill in gaps on SCA W129  
SCA134 southern half

Field Crew:  
Brian Junck  
Brian Guthrie  
Tara Fitzgerald  
Susan Young  
Paul Novak

**EM Acreage**            0.40399

**Mag Acreage**

**Files Submitted**

**Submitted By**

**Submitted To**



**Date** 6/23/2008

**Processing Notes**

WORK COMPLETED TODAY:  
GEOPHYSICAL SURVEYS (METHODS):  
EM61-MK2 Survey of SCA-W134 (Partial)  
EM61-MK2 Survey of PinkLine Data Gaps of SCA-W141 (completed) and W124 (partial)  
TARGET REACQUISITION:  
G858 Mag Reacquired WOW targets for Dig Team  
MISC:  
Identified and flagged areas on PinkLine boundary that need to be scraped with Trimble RTK  
OTHER NOTES:  
Reacquisition Team flagged 250 targets at the WOW.  
Dig Team excavated/investigated 200 targets at the WOW.

Field Crew:  
Brian Junck  
Brian Guthrie  
Susan Young  
Paul Novak

**EM Acreage** 1.089

**Mag Acreage**

**Files Submitted**

**Submitted By**

**Submitted To**





**Date** 6/24/2008

**Processing Notes**

**GEOPHYSICAL SURVEYS (METHODS):**

- EM61-MK2 Survey of SCA-W141 (re-scraped areas)
- EM61-MK2 Survey of SCA-W111 (completed)
- EM61-MK2 Survey of SCA-W138 (partial in roadway alignment)

**TARGET REACQUISITION/DIG TEAM:**

- Reacquired WOW targets for Dig Team with G858 magnetometer (Paul Novak)
- Reac Team flagged 57 targets at the WOW
- Dig Team excavated/investigatged 125 reacquired targets at the WOW
- Dig Team had 30 mag/dig targets at the WOW

**MISCELLANEOUS:**

- Completed full inventory of on-site geo equipment
- GPS and photograph towers/power poles in Roadway Alignment

**Field Crew:**

- Brian Junck
- Brian Guthrie
- Susan Young
- Paul Novak

**EM Acreage** 0.18375

**Mag Acreage**

**Files Submitted**

**Submitted By**

**Submitted To**



**Date** 6/25/2008

**Processing Notes**

WORK COMPLETED TODAY:  
GEOPHYSICAL SURVEYS (METHODS):  
EM61-MK2 Survey of the following SCAs:  
SCA-W074 (98% complete – portion of the SCA within the Roadway Alignment)  
SCA-W056 (complete)  
SCA-W001 (complete)  
SCA-W014 (complete)  
SCA-W057 (complete)  
SCA-W058 (complete)  
SCA-W122 (complete)  
TARGET REACQUISITION/DIG TEAM:  
Reacquired WOW targets for Dig Team with G858 magnetometer  
Reac Team flagged 158 targets at the WOW  
Dig Team excavated/investigated 164 reacquired targets at the WOW  
Dig Team completed mag/dig area at the WOW  
QC-1: QC-1 accomplished on 137 targets at the WOW  
MISC:  
Prove-out at GTP #1 with new EM61 from ARM  
Buried 37mm training rounds at 12" in different orientations (parallel and perpendicular to direction of travel; and vertical). Set up test plot.  
  
Field Crew:  
Brian Junck  
Brian Guthrie  
Susan Young  
Paul Novak

**EM Acreage** 1.86

**Mag Acreage**

**Files Submitted**

**Submitted By**

**Submitted To**



**Date** 6/26/2008

**Processing Notes**

GEOPHYSICAL SURVEYS (METHODS):  
EM61-MK2 Survey of the following SCAs:  
SCA-W074 (complete – portion of the SCA within the Roadway Alignment)  
SCA-W087 (complete – portion of the SCA within the Roadway Alignment)  
SCA-W000 (complete)  
SCA-W009 (complete)  
SCA-W011 (complete)  
SCA-W059 (complete)  
SCA-W066 (complete)  
SCA-W067 (complete)  
SCA-W133 (complete)  
TARGET REACQUISITION/DIG TEAM:  
Reac Team flagged 161 targets at W111  
Dig Team excavated/investigated 64 targets at W111  
QC: QC-1 99% complete at WOW – need to recheck 8 flags  
MISC:  
Reacquired coordinate point for QC seed in SCA W034. Located in roadway/haul route east of sift ops clean dirt pile. QC seed not found; appears to have been compromised by roadway grading accomplished after QC seed was buried.

Field Crew  
Brian Guthrie  
Brian Junck  
Paul Novak  
Sue Young

**EM Acreage** 1.18

**Mag Acreage**

**Files Submitted**

	<b>Submitted By</b>
	<b>Submitted To</b>



**Date** 6/27/2008

**Processing Notes**

WORK COMPLETED TODAY:  
GEOPHYSICAL SURVEYS (METHODS):  
EM61-MK2 Survey of the following SCAs:  
SCA-W118 Gap recon and survey (completed)  
SCA-W005 Gap survey of Roadway Alignment portion (completed)  
SCA-W117 Roadway Alignment (completed)  
SCA-W119 Roadway Alignment (completed)  
SCA-W120 completed  
SCA-W037 Gap recon and survey

TARGET REACQUISITION/DIG TEAM:  
Reac Team flagged 135 targets in SCA-W111 and SCA-W048 and QC-2 polygons on the WOW  
Dig Team excavated/investigated 237 reacquired targets in SCA-W111

QC-1: QC-1 accomplished on 81 targets in SCA-W048  
QC-2: QC-2 accomplished on the WOW with the 858 MAG

Field Crew  
Brian Guthrie  
Brian Junck  
Paul Novak

**EM Acreage** 0.21523

**Mag Acreage**

**Files Submitted**

**Submitted By**

**Submitted To**



**Date** 6/30/2008

**Processing Notes**

WORK COMPLETED TODAY:  
GEOPHYSICAL SURVEYS (METHODS):  
EM61-MK2 Survey of the following SCAs:  
SCA-W112 completed  
SCA-W101 completed  
SCA-W162/Pink line gap recon and surveyed  
SCA-W161 completed  
SCA-W044 Roadway Alignment portion completed

TARGET REACQUISITION/DIG TEAM:  
Reac Team flagged 128 targets  
Dig Team excavated/investigated 140 reacquired targets in SCA-W120, W119, W118, W048

Field Crew  
Brian Guthrie  
Brian Junck  
Tara Fitzgerald

**EM Acreage** 0.30183

**Mag Acreage**

**Files Submitted**

**Submitted By**

**Submitted To**



**Date** 7/1/2008

**Processing Notes**

GEOPHYSICAL SURVEYS (METHODS):  
EM61-MK2 Survey of the following SCAs:  
SCA-W161 completed  
SCA-W160 Roadway Alignment and gaps completed  
SCA-W003 completed  
SCA-W157 completed  
SCA-W125 around high tension tower completed  
SCA-W134 Roadway Alignment gaps completed  
SCA-W034 gaps completed  
SCA-W130 gaps completed

TARGET REACQUISITION/DIG TEAM:  
Reac Team flagged 78 targets in SCA-W048  
Dig Team excavated/investigated 120 reacquired targets in SCA-W048

MISC:  
Towed Array is back in service with sleds and wheels, proved out on GPO1

Field Crew  
Brian Guthrie  
Brian Junck  
Tara Fitzgerald

**EM Acreage** 0.81

**Mag Acreage** 0

**Files Submitted**

**Submitted By**

**Submitted To**



**Date** 7/2/2008

**Processing Notes**

**GEOPHYSICAL SURVEYS (METHODS):**  
EM61-MK2 Survey of the following SCAs:

- SCA-W160 Roadway Alignment and gaps completed
- SCA-W043 completed
- SCA-W049 completed
- SCA-W013 completed
- SCA-W066 gaps completed
- SCA-W002 recon'd and portions surveyed
- SCA-W010 recon'd-pumping station in most of it
- SCA-W048 Pink line gaps, Seaside 3 and north portion of Seaside 2
- SCA-W055 gaps completed

**TARGET REACQUISITION/DIG TEAM:**

- Reac Team flagged 214 targets in SCA-W048, W034, W001
- Dig Team excavated/investigated 134 reacquired targets in SCA-W048 and W034
- QC-2: Reacquired and dug 54 contacts in the WOW
- MISC: Towed Array is back in service with sleds and wheels and used on the pink line

Field Crew  
Brian Guthrie  
Brian Junck  
Tara Fitzgerald

**EM Acreage** 0.934

**Mag Acreage** 0

**Files Submitted**

**Submitted By**

**Submitted To**



**Date**            7/3/2008

**Processing Notes**

GEOPHYSICAL SURVEYS (METHODS):  
EM61-MK2 Towed Array Survey of the following SCAs:  
SCA-W048 Pink line gaps, Seaside 2

TARGET REACQUISITION/DIG TEAM:  
Reac Team flagged 70 targets in SCA-W048, W112, W014, W117  
Dig Team excavated/investigated 137 reacquired targets in SCA-W048, W014, and W001  
QC-2: W039 and W134 surveyed

Field Crew  
Brian Guthrie  
Tara Fitzgerald

**EM Acreage**            0.76

**Mag Acreage**            0

**Files Submitted**

**Submitted By**

**Submitted To**





**Date** 7/7/2008

**Processing Notes**

**GEOPHYSICAL SURVEYS (METHODS):**

EM61-MK2 Towed Array Surveys:

Pink Line Data Gaps

Fence Test

SCA\_W140 Test

SCA-W037 Road

EM61-MK2 Single Unit

SCA-W135 Data Gaps (complete)

**TARGET REACQUISITION TEAM:**

W067 – 8 targets flagged

W074 – 103 targets flagged

W131 – 50 targets flagged

**DIG TEAM:**

W048 – 10 targets excavated/investigated

W074 – 12 targets excavated/investigated

W131 – 27 targets excavated/investigated

W067 – 8 targets excavated/investigated

**Field Crew**

Brian Guthrie

Sue Young

Paul Novak

Tara Fitzgerald

**EM Acreage**

**Mag Acreage**

**Files Submitted**

**Submitted By**

**Submitted To**



**Date** 7/8/2008

**Processing Notes**

GEOPHYSICAL SURVEYS (METHODS):  
EM61-MK2 Towed Array Surveys:  
Pink Line Data Gaps  
W048  
W141  
  
EM61-MK2 Single Unit  
W035  
W142  
W129  
W048 (4 separate areas)  
  
TARGET REACQUISITION TEAM:  
W124 – 1 targets flagged  
W074 – 53 targets flagged  
W048 – 61 targets flagged  
DIG TEAM:  
W048 – 62 targets excavated/investigated  
W074 – 85 targets excavated/investigated  
W124 – 1 target excavated/investigated  
  
Field Crew  
Brian Guthrie  
Sue Young  
Paul Novak  
Tara Fitzgerald

**EM Acreage** 1.17

**Mag Acreage**

**Files Submitted**

**Submitted By**

**Submitted To**



**Date** 7/9/2008

**Processing Notes**

EM61-MK2 Towed Array Surveys:  
QC-2 on the Pink Line (W048)  
W131 Resurvey (area was scraped for asphalt removal)

EM61-MK2 Single Unit  
SCA-W048 Data Gaps (8 gaps completed) at GJMB and Eucalyptus  
TARGET REACQUISITION TEAM:  
W123 – 15 targets flagged  
W074 – 119 targets flagged  
W087 – 20 targets flagged  
W152 – 4 targets flagged  
W151 – 24 targets flagged  
DIG TEAM:  
W0123– 15 targets excavated/investigated  
W074 – 113 targets excavated/investigated  
W151 – 24 targets excavated/investigated  
W152 – 4 targets excavated/investigated

Field Crew  
Brian Guthrie  
Sue Young  
Paul Novak  
Tara Fitzgerald

**EM Acreage**

**Mag Acreage**

<b>Files Submitted</b>	
<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	<b>Submitted By</b>
	<b>Submitted To</b>



**Date** 7/10/2008

**Processing Notes**

GEOPHYSICAL SURVEYS (METHODS):  
EM61-MK2 Towed Array Surveys:  
Fence Line (W140) at General Jim Moore Blvd and Eucalyptus south to near W160

EM61-MK2 Single Unit  
Fence line W140 where towed array could not access  
W163 gaps completed  
W132 gaps completed  
Fence line test at Gen. Jim Moore Blvd with fence post and no posts  
Fence line test at Eucalyptus with fence post and no posts

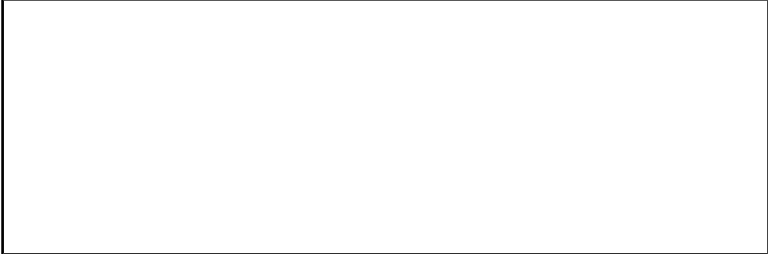
TARGET REACQUISITION TEAM:  
W160 – 299 targets flagged

DIG TEAM:  
W160 – 160 targets excavated/investigated  
W087 – 20 targets excavated/investigated

Field Crew  
Brian Guthrie  
Sue Young  
Paul Novak  
Tara Fitzgerald

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	<b>Submitted To</b>

**Date** 7/11/2008



**Processing Notes**

**GEOPHYSICAL SURVEYS (METHODS):**

EM61-MK2 Towed Array Surveys:

SCA\_W140 Fenceline

Southern Berm at Eucalyptus Road

Fenceline at General Jim Moore Blvd.

EM61-MK2 Single Unit Data Gap Surveys:

W018

W138

W124

W164

Roadway Alignment Data Gaps

**TARGET REACQUISITION TEAM:**

W087 – 101 targets flagged

W074 QC – 16 targets flagged

W0160 – 38 targets flagged

W058 – 3 targets flagged

W059 – 3 targets flagged

**DIG TEAM:**

W160 – 145 targets excavated/investigated

W087 – 32 targets excavated/investigated

Field Crew

Brian Guthrie

Sue Young

Paul Novak

Tara Fitzgerald

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**Date** 7/12/2008

**Processing Notes**

**GEOPHYSICAL SURVEYS (METHODS):**

EM61-MK2 Single Unit

W048 Sand Hill Gap

W0160 Gaps

**DIG TEAM:**

W055 – 35 targets excavated/investigated

W087 – 69 targets excavated/investigated

W037 – 16 targets excavated/investigated

W130 – 8 targets excavated/investigated

W035 – 19 targets excavated/investigated

Field Crew

Brian Guthrie

Matt Giffird

Paul Novak

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**Date** 7/13/2008

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**GEOPHYSICAL SURVEYS (METHODS):**

EM61-MK2 Single Unit  
W048 Gaps are complete!

**TARGET REACQUISITION TEAM:**

Matt and Josh reacquired targets in morning; 6 flags still in ground now

**DIG TEAM:**

124 targets excavated/investigated in W035, W034, W135, W122, W005, and W066

Field Crew  
Brian Guthrie  
Matt Giffird  
Paul Novak

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**Date** 7/14/2008



**Processing Notes**

**GEOPHYSICAL SURVEYS (METHODS):**

EM61-MK2A QC2 100% Survey

W001

W067

W112

W120

W163

EM61-MK2A QC2 10% Survey

W014

W034

W074

W111

W117

W118

W119

W124

W130

W055

EM61-MK2A Data Gap Survey

W018

**TARGET REACQUISITION:**

W162 – 60 targets flagged

W048 QC2 – 98 targets flagged

W057 – 10 targets flagged

W056 – 9 targets flagged

W011 – 5 targets flagged

W080 – 4 targets flagged

W003 – 17 targets flagged

TOTAL – 203 targets flagged

**DIG TEAM:**

W162 – 23 targets excavated

W003 – 17 targets excavated

W080 – 4 targets excavated

W056 – 9 targets excavated

W057 – 10 targets excavated

W048 QC2 – 98 targets excavated

TOTAL – 161 targets excavated

**MISCELLANEOUS:**

Back-checked previously excavated/investigated areas (for John Williams) with G858 and EM61-MK2.

Field Crew

Brian Guthrie

Matt Gifford

Paul Novak

Tara Fitzgerald

Sue Young

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**Date**        7/15/2008

**Processing Notes**



EM61-MK2A QC2 10% Survey

W087

W003

W035

W037

EM61-MK2A Data Gap Survey

W161

W160 (scraped area/redo)

.EM61-MK2 DGM

W138 (75% complete)

TARGET REACQUISITION:

W041 – 6 targets flagged W042 – 2 targets flagged

W043 – 3 targets flagged W045 – 1 targets flagged

W046 – 12 targets flagged W049 – 2 targets flagged

W101 – 6 targets flagged W142 – 1 target flagged

W131 – 64 targets flagged W164 – 2 targets flagged

W143 – 1 target flagged W014 QC2 – 6 targets flagged

W055 – 7 targets flagged W067 – 1 target flagged

W111 – 2 targets flagged W118 – 4 targets flagged

W119 – 2 targets flagged W120 – 3 targets flagged

W124 – 5 targets flagged W163 – 2 targets flagged

W112 – 1 target flagged TOTAL – 141 targets flagged

MISCELLANEOUS:

John Peake and Mike Arles (Quantum Geophysics) conducted prove-out survey with EM61-MK2 from A.R.M at Geophysical Test Plot #1.

Field Crew:

Brian Guthrie

Paul Novak

Tara Fitzgerald

Sue Young

Matt Gifford

John Peake

Mike Arles

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**Submitted By**

**Submitted To**



**Date** 7/16/2008

**Processing Notes**

**GEOPHYSICAL SURVEYS (METHODS):**

EM61-MK2A QC2 100% Survey

W056

W057

W058

EM61-MK2A QC2 10% Survey

W101

W122

W131

W005

W162

W123

W135

W046

.EM61-MK2 GAPS

W161 (complete)

**TARGET REACQUISITION:**

W035QC2 – 17 targets flagged

W047 – 4 targets flagged

W048 Gaps\_Rd - 178 targets flagged

W087QC2 – 9 targets flagged

W125 – 11 targets flagged

W126 – 15 target flagged

W127 – 5 targets flagged

W128 – 2 targets flagged

W160\_Redo – 148 target flagged

W0157 – 12 targets flagged

W138 (partial) – 21 targets flagged

W133 – 4 target flagged

W132 – 15 targets flagged

W129 – 12 targets flagged

TOTAL – 453 targets flagged

**MISCELLANEOUS:**

Prepared and flagged boundaries of QC2 SCAs to be surveyed (10% SCAs – W046, W101, W122, W131, W135, W162). Staked boundaries using RTK and recon of remaining SCAs (outside of Roadway Alignment)

Field Crew:

Brian Guthrie

Paul Novak

Tara Fitzgerald

Sue Young

Matt Gifford

John Peake

Mike Arles



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**Processing Notes**



**GEOPHYSICAL SURVEYS (METHODS):**

EM61-MK2A QC2 10% Survey

W160

W128

W127

W126

W111

W129

W125

W162

**TARGET REACQUISITION:**

W134QC2 – 5 targets flagged

W131QC2 – 5 targets flagged

W048 Gaps\_Rd - 148 targets flagged

W122QC2 – 1 targets flagged

W057QC2 – 3 targets flagged

W037QC2 – 1 target flagged

W141QC2 - 11 targets flagged

W005QC2 – 1 targets flagged

W161 – 12 targets flagged

W140\_Roadway – 400 targets flagged

TOTAL – 602 targets flagged

**MISCELLANEOUS:**

Making repairs and modifications to towed array.

**GEOPHYSICAL SURVEYS:**

Continue surveying QC2 SCAs and remaining SCAs in Seaside 1-4.

DGM survey of fenceline area along Eucalyptus Road.

Field Crew:

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Sue Young

Matt Gifford

John Peake

Mike Arles

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**Files Submitted**

**Submitted By**

**Submitted To**



**Date** 7/18/2008

**Processing Notes**

**GEOPHYSICAL SURVEYS (METHODS):**

EM61-MK2A QC2 10% Survey

W111

W018

W138

W161

EM61-MK2A QC2 100%

W132

Towed Array Survey

Fence Line on Eucalyptus

**TARGET REACQUISITION:**

W140 – 202 targets flagged

W048 No\_Rd – 129 targets flagged

W127QC – 3 targets flagged

W128QC2 – 2 targets flagged

W129QC2 – 5 target flagged

W160QC2 - 16 targets flagged

TOTAL – 357 targets flagged

Field Crew:

Brian Guthrie

Paul Novak

Tara Fitzgerald

Sue Young

Matt Gifford

John Peake

Mike Arles

**EM Acreage**

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**Files Submitted**

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**Submitted By**

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