

Daily Notes



FORA ESCA Remediation Program



Monterey, CA



Date 5/12/2008

Field 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

Submitted By Mark Saunders

Daily Notes

Date 5/13/2008

Field 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

Submitted By Mark Saunders

Daily Notes

Date 5/14/2008

Field 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

Submitted By Mark Saunders

Daily Notes

Date 5/15/2008

Field 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

Submitted By Mark Saunders

Daily Notes

Date 5/16/2008

Field 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

Submitted By Mark Saunders

Daily Notes

Date 5/19/2008

Field 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

Submitted By Mark Saunders

Daily Notes

Date 5/20/2008

Field 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

Submitted By Mark Saunders

Daily Notes

Date 5/21/2008

Field 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

Submitted By Mark Saunders

Daily Notes

Date 5/22/2008

Field 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

Submitted By Mark Saunders

Daily Notes

Date 5/23/2008

Field 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

Submitted By Mark Saunders

Daily Notes

Date 5/26/2008

Field Notes

No Work - Memorial Day

EM Acreage 0
Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 5/27/2008

Field 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

Submitted By Mark Saunders

Daily Notes

Date 5/28/2008

Field 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

Submitted By Mark Saunders

Daily Notes

Date 5/29/2008

Field 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

Submitted By Mark Saunders

Daily Notes

Date 5/30/2008

Field 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

Submitted By Mark Saunders

Daily Notes

Date 6/2/2008

Field 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

Submitted By Mark Saunders

Daily Notes

Date 6/3/2008

Field 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

Submitted By Mark Saunders

Daily Notes

Date 6/4/2008

Field 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

Submitted By Mark Saunders

Daily Notes

Date 6/5/2008

Field 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

Submitted By Mark Saunders

Daily Notes

Date 6/6/2008

Field 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

Submitted By Mark Saunders

Daily Notes

Date 6/7/2008

Field 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

Submitted By Mark Saunders

Daily Notes

Date 6/9/2008

Field 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

Submitted By Mark Saunders

Daily Notes

Date 6/10/2008

Field Notes

Data collection on WOW finished (probably will have to fill 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

Submitted By Mark Saunders

Daily Notes

Date 6/11/2008

Field 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	

Submitted By	Mark Saunders
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Daily Notes

Date 6/12/2008

Field 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

Submitted By Mark Saunders

Daily Notes

Date 6/13/2008

Field 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

Submitted By Mark Saunders

Daily Notes

Date 6/16/2008

Field 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

Submitted By Mark Saunders

Daily Notes

Date 6/17/2008

Field 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

Submitted By Mark Saunders

Daily Notes

Date 6/18/2008

Field 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

Submitted By Mark Saunders

Daily Notes

Date 6/19/2008

Field 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

Submitted By Mark Saunders

Daily Notes

Date 6/20/2008

Field 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

Submitted By

Mark Saunders

Daily Notes

Date 6/23/2008

Field 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

Submitted By Mark Saunders

Daily Notes

Date 6/24/2008

Field 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/investigated 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

Submitted By Mark Saunders

Daily Notes

Date 6/25/2008

Field 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

Submitted By Mark Saunders

Daily Notes

Date 6/26/2008

Field 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

Submitted By Mark Saunders

Daily Notes

Date 6/27/2008

Field 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

Submitted By Mark Saunders

Daily Notes

Date 6/30/2008

Field 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

Submitted By Mark Saunders

Daily Notes

Date 7/1/2008

Field 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

Submitted By Mark Saunders

Daily Notes

Date 7/2/2008

Field 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

Submitted By Mark Saunders

Daily Notes

Date 7/3/2008

Field 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

Submitted By Mark Saunders

Daily Notes

Date 7/7/2008

Field 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 1.61

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 7/8/2008

Field 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

Submitted By Mark Saunders

Daily Notes

Date 7/9/2008

Field 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 3.74

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 7/10/2008

Field 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

EM Acreage

0.94

Mag Acreage

Submitted By

Mark Saunders

Daily Notes

Date 7/11/2008

Field 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

EM Acreage 2.92

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 7/12/2008

Field 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 Gifford

Paul Novak

EM Acreage 0.895

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 7/13/2008

Field Notes

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

EM Acreage 0.24

Mag Acreage

Submitted By Mark Saunders

Date 7/14/2008

Field Notes

Daily 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

EM Acreage 0.42

Mag Acreage

Submitted By Mark Saunders

Date 7/15/2008

Field Notes

Daily 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

EM Acreage

0.95

Mag Acreage

Submitted By

Mark Saunders

Daily Notes

Date 7/16/2008

Field 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

EM Acreage 0.41

Mag Acreage

Submitted By Mark Saunders

Date 7/17/2008

Field Notes

Daily 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:

Brian Guthrie

Paul Novak

Tara Fitzgerald

Sue Young

Matt Gifford

John Peake

Mike Arles

EM Acreage 0.384

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 7/18/2008

Field 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 0.201

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 7/20/2008

Field Notes

GEOPHYSICAL SURVEYS (METHODS):

EM61-MK2A
Fence line Data Gaps

EM61-MK2 Towed Array
Fence Line

EM Acreage 2.96
Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 7/22/2008

Field Notes

EM61-MK2A QA POLYGONS

W124 W048 poly 1
W048 poly 2 W048 poly 3
W151 W037
W005 W157
W158 W114
W111 W120
W118

EM61-MK2 TOWED ARRAY

W160
W048 poly 4
W048 poly 5
W048 poly 6

TARGET REACQUISITION:

W140QC2 – 224 targets flagged (complete)
W140b – 3 targets flagged (complete)
W140c – 17 targets flagged (complete)
W140d - 40 targets flagged (partial)
TOTAL – 284targets flagged

MISCELLANEOUS:

Staked boundaries of 22 polygons for QA (Brian Hecker-EcoMunitions) DGM Survey (W160, W158, W157, W151, W124, W120, W118, W114, W111, W087, W074, W055, W045 poly 1, W048 poly 2, W048 poly 3, W048 poly 4, W048 poly 5, W048 poly 6, W048 poly 7, W037, W014, W005).

EM Acreage

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 7/23/2008

Field Notes

GEOPHYSICAL SURVEYS (METHODS):

EM61-MK2A (QA POLYGONS)

W055

W048 Poly 7

W014

W074

EM61-MK2A (QC2)

W140QC2 (See Notes below for explanation)

EM61-MK2A SCAs

W069

W071

G858 MAGNETOMETER (QA POLYGONS)

WOW Poly 1

WOW Poly 2

WOW Poly 3

TARGET REACQUISITION:

W140d - 505 targets flagged (40 previous day/157 targets remaining)

TOTAL – 505 targets flagged

MISCELLANEOUS:

Staked boundaries of oak grove in Seaside 4 (21 points) along Roadway Alignment.

Delineated on map the fenceline areas along General Jim Moore Blvd that should be "mag and dig" vs survey with the EM61 due to angle of slope and terrain conditions (as requested by Linda Temple).

EM Acreage

0.093

Mag Acreage

Submitted By

Mark Saunders

Daily Notes

Date 7/24/2008

Field Notes

GEOPHYSICAL SURVEYS (METHODS):

EM61-MK2A DGM

W113

W104

W105

W115

W116

W117

W118

W120

TARGET REACQUISITION:

W140d - 157 targets flagged (complete)

TOTAL – 157 targets flagged

MISCELLANEOUS:

Staked boundary of W140 analog data gaps.

Restaked and painted boundary of SCAs in preparation for DGM survey.

EM Acreage 1.13

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 7/25/2008

Field Notes

GEOPHYSICAL SURVEYS (METHODS):

EM61-MK2A DGM

W074 (70%)

EM-MK2 (ARM) DGM

W109

W108

W103

W107

W106

W102

W085

W086

W093

W092

ANALOG DATA GAPS:

W140, W014, W035, W037, W041, W055, W057, W066, W074, W111, W118, W119, W122, W123, W125, W129, W130, W143, W151, W158, W159, W161, W162

ANALOG SURVEY (QC3)

- QC3 Analog survey along the limits of grading.

EM Acreage 1.58

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 7/28/2008

Field Notes

GEOPHYSICAL SURVEYS (METHODS):

EM61-MK2A

W074

W087

W084

W078

W090

EM61-MK2 (A.R.M Unit)

W015 (80% complete)

TARGET REACQUISITION:

W035 – 2 targets re-flagged

MISCELLANEOUS:

Staked boundaries of 3 QA polygons in W140 to be surveyed.

Re-staked boundaries of remaining SCAs to be surveyed.

Acquired coordinates for towed array QC spikes.

EM Acreage 2.2

Mag Acreage

Submitted By Mark Saunders

Date 7/29/2008

Field Notes

Daily Notes

GEOPHYSICAL SURVEYS (METHODS):

EM61-MK2A QA POLYGONS

W140 poly 1

W140 poly 2

W140 poly 3

EM61-MK2A DGM

W074 (complete)

W101

W087 (complete)

W095

W072

W097

W098

W099

W076

W077

W073

W081

W075

W064

W065

W096

EM61-MK2 (KD JONES UNIT)

W015

W014

W052

W054

W053

W052

W051

W050

W008

GEOPHYSICAL SURVEYS (METHODS) - CONTINUED:

ANALOG SURVEY (SCHONSTEDT)

WOW Data Gaps

TARGET REACQUISITION: NONE.

MISCELLANEOUS:

Re-staked boundaries of W014, W160 (partial), W050, W051, W052, W053, W054, and W008.

Performed Geophysical Prove-Out at Test Plot #1 with EM61-MK2 from K.D. Jones Instruments.

EM Acreage 0.99

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 7/30/2008

Field Notes

GEOPHYSICAL SURVEYS (METHODS):
EM61-MK2 DGM (KD Jones Unit-J. Peake/M.Gifford)
W160 (partial)
EM61-MK2A DGM (MCA-P. Novak/M. Arles)
W061 (Completed)
W060 (Completed)
W139 (Completed)
W062 (Gap due to slope, will require Analog)
W063 (Completed)
W156 (Completed)
W016 (Completed)
W017 (Completed)
W019 (Completed)
W018 (Small portion that cannot be reached by Towed Array)
W038 (Completed)
W136 (Completed)
W036 (Completed)
TARGET REACQUISITION: NONE.
MISCELLANEOUS:
Re-staked boundaries of remaining SCAs to be surveyed.

EM Acreage 0.405

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 7/31/2008

Field Notes

GEOPHYSICAL SURVEYS (METHODS):

EM61-MK2 DGM (KD Jones Unit-J. Peake/M.Gifford)
W160 (partial) (re-surveyed in CH4 vs differential mode)
EM61-MK2A DGM (MCA-P. Novak/M. Arles)
W148 (gaps due to tree/canopy interference with GPS)
W032
W031
W149 (gaps due to tree/canopy interference with GPS)
W150
W130 (gaps due to steep slope/analog required)
W079

MISCELLANEOUS:

Re-staked boundaries of remaining SCAs to be surveyed.
Ground-truthed locations of 10 QC seeds
Re-staked boundaries of SCAs W015, W014, W052, W054, W053, W052, W051, W050 and W008 for re-survey (originally surveyed in differential mode vs 4 channel mode).

EM Acreage 0.95

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 8/1/2008

Field Notes

WORK COMPLETED TODAY:

GEOPHYSICAL SURVEYS (METHODS):

EM61-MK2 TOWED ARRAY (B. Junck/P. Novak)

W037

W134

W005 (partial)

EM61-MK2A DGM (M. Arles/S. Young/J. Peake)

W014 (resurvey)

W015 (partial – resurvey)

W052 (resurvey)

W054 (resurvey)

W053 (resurvey)

W052 (resurvey)

W051 (resurvey)

W050 (resurvey)

W008 (resurvey)

W020

W023

W024

W025

EM61-MK2 (KD Jones) DGM (M. Gifford/J. Peake)

W160

TARGET REACQUISITION: NONE.

MISCELLANEOUS: NONE.

OTHER NOTES:

Power cord for base station got unplugged at approx. 0925. All teams lost GPS/RTK. P. Novak corrected problem and GPS streaming/RTK fixed at approx. 0934. No other problems reported with GPS/RTK.

EM Acreage 2.24

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 8/4/2008

Field Notes

GEOPHYSICAL SURVEYS (METHODS):
EM61-MK2 TOWED ARRAY (B. Junck/P. Novak)
W037 (90% complete)
W005 (75% complete)

TARGET REACQUISITION: QA TARGETS (S. Young/M. Arles)

W048 poly 1 – 5 targets
W048 poly 2 – 16 targets
W048 poly 3 – 8 targets
W048 poly 4 – 15 targets
W048 poly 5 – 46 targets
W048 poly 6 – 27 targets
W048 poly 7 – 1 target
W140 poly 1 – 5 targets
W140 poly 2 – 9 targets
W140 poly 3 – 5 targets
WOW poly 1 – 27 targets
WOW poly 2 – 13 targets
WOW poly 3 – 4 targets
W005 – 1 target
W014 – 3 targets
W055 – 1 target
W111 – 2 targets
W118 – 2 targets
W120 – 1 target
W124 – 8 targets
W157 – 3 targets
W158 – 3 targets
W160 – 4 targets
TOTAL: 209 Targets

EM Acreage 0.58

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 8/5/2008

Field Notes

GEOPHYSICAL SURVEYS (METHODS):
EM61-MK2 TOWED ARRAY (B. Junck/P. Novak)
W160 (30% complete)
W005 (90% complete-some areas need to be surveyed with single unit)
EM61-MK2A Data Gaps (M. Arles/R. Ramirez (UXO)/S. Young)
W074
W118
W107
TARGET REACQUISITION: (S. Young/T. Clarke)
W107 – 16 targets flagged
W108 - 11 targets flagged
W109 – 4 targets flagged
W074 – 120 targets flagged (approx. 823 remaining)
TOTAL – 151 Targets

EM Acreage 2.87

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 8/6/2008

Field Notes

GEOPHYSICAL SURVEYS (METHODS):
EM61-MK2 TOWED ARRAY (B. Junck/P. Novak)
W160
EM61-MK2A (M. Arles/S. Young)
W147
W028
W026
W027
W144
W155
W021
EM61-MK2 KD Jones (B. Junck/P. Novak)
W160 gaps
TARGET REACQUISITION: (S. Young/M. Arles)
W094 – 10 targets flagged
W95 - 11 targets flagged
W096 – 15 targets flagged
W097 – 13 targets flagged (approx. 823 remaining)
W098 – 14 targets flagged
W099 – 7 targets flagged
W100 – 107 targets flagged
W106 – 10 targets flagged
W103 – 1 target flagged
W106 – 3 targets flagged
TOTAL – 191 Targets

EM Acreage 1.95

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 8/7/2008

Field Notes

GEOPHYSICAL SURVEYS (METHODS):
EM61-MK2 TOWED ARRAY (B. Junck/P. Novak)
W018
EM61-MK2A (M. Arles/M. Gifford/S. Young)
-146
160 data gaps
W033
W154
W029
W004
TARGET REACQUISITION: (R. Ramirez/B. Smith/B. Moe)
W082 – 5 targets flagged
W083 - 5 targets flagged
W084 – 2 targets flagged
W085 – 7 targets flagged
W086 – 5 targets flagged
W087 – 68 targets flagged
W088 – 1 target flagged
W092 – 6 targets flagged
W093 – 14 targets flagged
TOTAL – 113 Targets

EM Acreage 2.02

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 8/8/2008

Field Notes

GEOPHYSICAL SURVEYS (METHODS):
EM61-MK2 TOWED ARRAY (B. Junck/P. Novak)
Observed areas along fence line. No areas deemed surveyable with either the Towed Array or Single Unit due to very rough terrain and steep slope. Attempts were made but data quality was poor.
TARGET REACQUISITION: (M. Gifford/ M. Arles)
W160 – 210 targets flagged
TOTAL – 210 Targets

EM Acreage

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 8/11/2008

Field Notes

GEOPHYSICAL SURVEYS (METHODS): No survey data collected today.
TARGET REACQUISITION:
W018 – 186 targets flagged
W160 – 93 targets flagged (464 remaining)
TOTAL – 279 Targets Flagged

EM Acreage

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 8/12/2008

Field Notes

GEOPHYSICAL SURVEYS (METHODS):

EM61-MK2A DGM (Novak/Young)

W121

W040 (area south of Broadway Gate only, adjacent to fenceline. Remaining areas on asphalt and under canopy of large cypress tree)

W089

EM61-MK2A Data Gaps (Novak/Young)

W015 (North end only; smaller data gaps did not transfer to logger)

W005 (large portion of data gaps on steep slopes with loose sand and high brush – not suitable for survey with EM61)

TARGET REACQUISITION: (M. Gifford/T. Clarke – UXO)

W160 – 250 targets flagged (approx. 214 remaining)

W060 – 1 target flagged

W062 - 1 target flagged

W063 – 3 targets flagged

W064 – 6 targets flagged

W065 – 2 targets flagged

W069 – 30 targets flagged

W070 – 1 target flagged

W071 – 6 targets flagged

W139 – 3 targets flagged

TOTAL – 304 TARGETS FLAGGED

MISCELLANEOUS:

- Restaked W037 (to prepare for scraping)

EM Acreage 0.64

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 8/13/2008

Field Notes

GEOPHYSICAL SURVEYS (METHODS):

EM61-MK2A Data Gaps (Novak/Young)

W146 (2 small gaps on north end and a portion of the large gap – remaining gap areas on steep slope, not suitable for EM survey)

W144 (low brush, area not scraped)

W020 (NE corner has raised, unscraped area with large oak tree/stumps)

W130 (smaller gaps complete; the 2 large gaps are on a steep slope, only portion at toe of slope surveyed)

TARGET REACQUISITION: (Novak/Young/Gifford)

W160 – (261 targets remaining – unable to complete; M. Gifford needed repeater in Parker Flats)

W052 – 47 targets flagged

W053 - 3 targets flagged

W054 – 3 targets flagged

W061 – 4 targets flagged

TOTAL – 57 TARGETS FLAGGED (not including W160 flags)

MISCELLANEOUS:

Started to GPS edge of trails and extent of vegetation on each side of trail in Parker Flats Habitat Area (Gifford/Sanchez); also GPS'd noted erosion areas.

EM Acreage 0.135

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 8/14/2008

Field Notes

GEOPHYSICAL SURVEYS (METHODS):
EM61-MK2A Data Gaps (Novak/Young)
W015
W005
TARGET REACQUISITION: (Novak/Young/Gifford)
W005 – 159 targets flagged (114 remaining)
W160 – 170 targets flagged (complete)
TOTAL – 329 TARGETS FLAGGED

EM Acreage 0.12

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 8/15/2008

Field Notes

WORK COMPLETED TODAY:
GEOPHYSICAL SURVEYS (METHODS): No DGM data collected today.
TARGET REACQUISITION: (Young/Clarke-UXO)
W005 – 114 targets flagged (complete)
W008 – 1 target flagged
W016 - 1 target flagged
W017 – 2 targets flagged
W019 – 1 target flagged
W020 – 23 targets flagged
W021 – 9 targets flagged
W029 – 6 targets flagged
W044 – 9 targets flagged
W050 – 2 targets flagged
W051 – 2 targets flagged
W121 – 7 targets flagged
W156 – 1 target flagged
TOTAL – 178 TARGETS FLAGGED

EM Acreage

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 8/18/2008

Field Notes

WORK COMPLETED TODAY:
GEOPHYSICAL SURVEYS (METHODS):
EM61-MK2 TOWED ARRAY (Guthrie/Young)
W074 (resurvey after scraping)
TARGET REACQUISITION: (Laroe./Hendricks.-UXO)
W072 – 9 targets flagged
W073 – 4 targets flagged
W077 - 35 targets flagged
W081 – 6 targets flagged
W089 – 7 target flagged
W144 – 10 targets flagged
W130 – 40 targets flagged
W036 – 10 targets flagged
W005 – 2 targets flagged (gaps)
TOTAL – 123 TARGETS FLAGGED

EM Acreage

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 8/19/2008

Field Notes

WORK COMPLETED TODAY:
GEOPHYSICAL SURVEYS (METHODS):
EM61-MK2A DATA GAPS (Guthrie/Young)
W138
W148
W134 (gaps areas not surveyed are due to excessive slope or brush; not suitable to collect data with EM)
EM61-MK2_KD QC2 (Gifford/Hendricks-UXO)
W064
W065
W076
W099
W103
TARGET REACQUISITION: (Laroe./Hendricks.-UXO)
W004 – 5 targets flagged
W025 – 1 target flagged
W026 – 3 targets flagged
W155 – 3 targets flagged
W154 – 3 target flagged
W147 – 3 targets flagged
W146 – 14 targets flagged
W040 – 13 targets flagged
W033 – 6 targets flagged
W032 – 5 targets flagged
W031 – 8 targets flagged
W030 – 17 targets flagged

TOTAL – 81 TARGETS FLAGGED

MISCELLANEOUS: NA

EM Acreage 0.33

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 8/20/2008

Field Notes

WORK COMPLETED TODAY:

GEOPHYSICAL SURVEYS (METHODS):

M61-MK2A DATA GAPS (Guthrie/Clarke (UXO)/Young)

W038

W136

W019

W041

W054

W069

W071

W113 (Gap areas not surveyed due to very steep grade/slippery surface – not suitable for data collection with EM – analog survey needed)

W036 (2 gaps partially sitting in previous excavation; gaps areas not surveyed due to excessive slope)

W024

EM61-MK2_KD QC2 (Gifford/Young)

W109 (3' deep hole in SE corner of SCA)

W085

W086

W079 (low brush in SE/SW corners of SCA)

TARGET REACQUISITION: (Laroe./Hendricks.-UXO)

W037 – 347 targets flagged

TOTAL – 347 TARGETS FLAGGED

EM Acreage

0.14

Mag Acreage

Submitted By

Mark Saunders

Daily Notes

Date 8/21/2008

Field Notes

WORK COMPLETED TODAY:
GEOPHYSICAL SURVEYS (METHODS):
EM61-MK2A QC2 100% Survey (Guthrie/Young)
W021
EM61-MK2A QC2 10% Survey* (Guthrie/Young)
W029 (160 sq ft)
W130 (1900 sq ft)
W144 (200 sq ft)
W036 (260 sq ft)
W020 (300 sq ft)
W077 (120 sq ft)
W121 (150 sq ft)
Area in sq ft is total area surveyed (may be >10%)
TARGET REACQUISITION: NA

EM Acreage 0.13

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 8/22/2008

Field Notes

WORK COMPLETED TODAY:
GEOPHYSICAL SURVEYS (METHODS):
EM61-MK2A QC2 100% Survey (Guthrie/Gifford)
W071
W032
EM61-MK2A QC2 10% Survey (Guthrie/Gifford)
W118
W107
W108
W087
W069
W062
W052
W031
W146
W044
W100
EM61-MK2A Data Gaps (Guthrie/Gifford)
W038
TARGET REACQUISITION: (Young/Moe/Smith)
W138 – 122 targets flagged
W024 – 25 targets flagged
W148 – 3 targets flagged
TOTAL – 150 TARGETS FLAGGED

EM Acreage 0.36

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 8/25/2008

Field Notes

WORK COMPLETED TODAY:
GEOPHYSICAL SURVEYS (METHODS):
EM61-MK2A QC2 10% Survey (Guthrie/Gifford)
W160
W018
TARGET REACQUISITION: (Young/Gifford/Guthrie)
W074 – 242 targets flagged (462 targets remaining)
TOTAL – 242 TARGETS FLAGGED

EM Acreage 0.5

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 8/26/2008

Field Notes

WORK COMPLETED TODAY:
GEOPHYSICAL SURVEYS (METHODS):
EM61-MK2A QC2 10% Survey (Guthrie/Gifford)
W030
W138
W005
W004
W015
W061
W117
TARGET REACQUISITION: (Young/Hendricks)
W134 – 226 targets flagged
W074 – 53 targets flagged (409 remaining)
W113 – 40 targets flagged
W038 – 12 targets flagged
W085 – 7 targets flagged
W086 – 3 targets flagged
TOTAL – 341 TARGETS FLAGGED

EM Acreage 0.58

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 8/27/2008

Field Notes

WORK COMPLETED TODAY:
GEOPHYSICAL SURVEYS (METHODS):
No DGM data collected today.
TARGET REACQUISITION: (Young/Guthrie)
W074Redo – 309 targets flagged (complete)
W092 – 3 targets flagged
W103QC2 – 3 targets flagged
W064QC2 – 5 targets flagged
W076QC2 – 7 targets flagged
TOTAL – 327 TARGETS FLAGGED

EM Acreage

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 8/28/2008

Field Notes

WORK COMPLETED TODAY:
GEOPHYSICAL SURVEYS (METHODS):
No DGM data collected today.
TARGET REACQUISITION: (Young/Guthrie)
 W074 – 100 targets flagged (309 remaining)
 TOTAL – 100 TARGETS FLAGGED
MISCELLANEOUS:
 Packed up SAIC EM61-MK2 and G856 Base Station for return.

EM Acreage

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 8/29/2008

Field Notes

WORK COMPLETED TODAY:
GEOPHYSICAL SURVEYS (METHODS):
EM61-MK2A QC2 10% Survey (Guthrie/Young)
W113
W116
W037
W038
W134
TARGET REACQUISITION: NA
MISCELLANEOUS: NA
OTHER NOTES:
No problems reported with GPS/RTK. Unable to perform QC2 on W105 (SCA has been excavated and has 7' deep hole in middle – not suitable for survey with EM61) – need alternate SCA for QC2.

EM Acreage 0.41

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 9/2/2008

Field Notes

WORK COMPLETED TODAY:
GEOPHYSICAL SURVEYS (METHODS):
EM61-MK2A QC2 100% Survey (Guthrie/Young)
W094
W115
W024
TARGET REACQUISITION: QC2 (Guthrie/Young)
W138 – 24 targets flagged
W100 – 10 targets flagged
W118 – 1 target flagged
W087 – 7 targets flagged
W077 – 1 target flagged
W069 - 2 targets flagged
W071 – 4 targets flagged
W062 – 1 target flagged
W044 – 1 target flagged
W005 – 5 targets flagged
W018 – 7 targets flagged
W021 – 3 targets flagged
W144 – 1 target flagged
W146 – 1 target flagged
TOTAL – 67 TARGETS FLAGGED

EM Acreage 0.066

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 9/3/2008

Field Notes

WORK COMPLETED TODAY:
GEOPHYSICAL SURVEYS (METHODS):
EM61-MK2A QC2 100% Survey (Guthrie/Young)
W085 (redo)
W082 (add-on)
EM61-MK2A Data Gap (Guthrie/Young)
W037
TARGET REACQUISITION: NA
MISCELLANEOUS:
Flagged analog data gap boundaries for the following SCAs:
W113
W070
W066
W062
W040
W037
W020
W155
W146
W149
W030

EM Acreage 0.074

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 9/4/2008

Field Notes

GEOPHYSICAL SURVEYS (METHODS):

No DGM data collected today.

TARGET REACQUISITION: QC2 (GUTHRIE/YOUNG)

W160 – 51 targets flagged

W134 – 3 targets flagged

W115 – 3 targets flagged

W094 – 5 targets flagged

W024 – 19 targets flagged

W037 – 3 targets flagged

TOTAL - 88 TARGETS FLAGGED

MISCELLANEOUS:

Packed and returned miscellaneous geo equipment items that were inadvertently left out of previously returned equipment. Organized and prepared geo equipment in conex box for eventual return.

EM Acreage

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 9/5/2008

Field Notes

WORK COMPLETED TODAY:
GEOPHYSICAL SURVEYS (METHODS):
EM61-MK2 TOWED ARRAY (Guthrie/Young)
W074 (resurvey anomalous areas)
Eucalyptus Road (partial – approx. 0.9 mi)
TARGET REACQUISITION: NONE
MISCELLANEOUS: NA
OTHER NOTES:
No problems reported with GPS/RTK. Eucalyptus Road surveyed per Linda Temple's request.

EM Acreage 0.99

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 9/8/2008

Field Notes

GEOPHYSICAL SURVEYS (METHODS): ANALOG SURVEY DATA GAPS (UXO TECHS)
W020
W030
W040
W062
W066
W077
W113
W146
W149
W155
W022 (ENTIRE SCA)
W119 (ENTIRE SCA)
TARGET REACQUISITION: NONE

EM Acreage

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 9/9/2008

Field Notes

WORK COMPLETED TODAY:
GEOPHYSICAL SURVEYS (METHODS):
ANALOG SURVEY DATA GAPS (UXO TECHS)
W020, W030, W040, W062, W066, W077
W113, W146, W149, W155, W134, W022 (ENTIRE SCA)
W119 (ENTIRE SCA), W037 (PARTIALLY DONE – NOT COMPLETED)
ANALOG SURVEY - QC3 GRIDS (UXO TECHS) IN SEASIDE 3
COMPLETED QC3 IN ALL GRIDS
TARGET REACQUISITION: (YOUNG/RAMIREZ)

ADDITIONAL PICKS BY L. TEMPLE:
W040 – 7 targets flagged (3, 4, 5, 7, 8, 12, 13)
W052 – 1 target flagged (46)
W138 – 1 target flagged (79)
W005 – 2 targets flagged (147, 190)
W138 – 1 target flagged (197)
W134 – 3 targets flagged (239, 274, 277)
W037 – 1 target flagged (375)
W074 – 1 target flagged (2141)
W018 – 1 target flagged (6189)
W160 – 1 target flagged (7942)
W140 – 1 target flagged (1008)
W087 – 1 target flagged (230)
W048 – 1 target flagged (9315)

MISCELLANEOUS: (YOUNG/CALDWELL/RAMIREZ)

EM Acreage

Mag Acreage

Submitted By Mark Saunders

Daily Notes

Date 9/10/2008

Field Notes

WORK COMPLETED TODAY:
GEOPHYSICAL SURVEYS (METHODS): No DGM data collected today.
TARGET REACQUISITION: (Lauchner/Hendricks)

ADDITIONAL PICKS BY L. TEMPLE:

W140 – 1 target flagged (1008)
W087 – 1 target flagged (230)
W048 – 1 target flagged (9315)

UNDUG TARGETS:

W082QC2 – 2 targets flagged
W085Redo - 3 targets flagged
W015QC2 – 5 targets flagged
W136 – 2 targets flagged
W088 – 1 target flagged

MISCELLANEOUS:

Updated table "QC Seeds in SCA Polys"

EM Acreage

Mag Acreage

Submitted By Mark Saunders