

## Survey Production Report

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PROJECT	<b>P2011032</b>
CLIENT	<b>CKA</b>
PROJECT AREA	<b>Ooratippra</b>
SUPERVISORS	NP
OPERATORS	AM PC
SURVEY SIZE	931
VEHICLES	1DME 143, RANGER1

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G E O P H Y S I C S

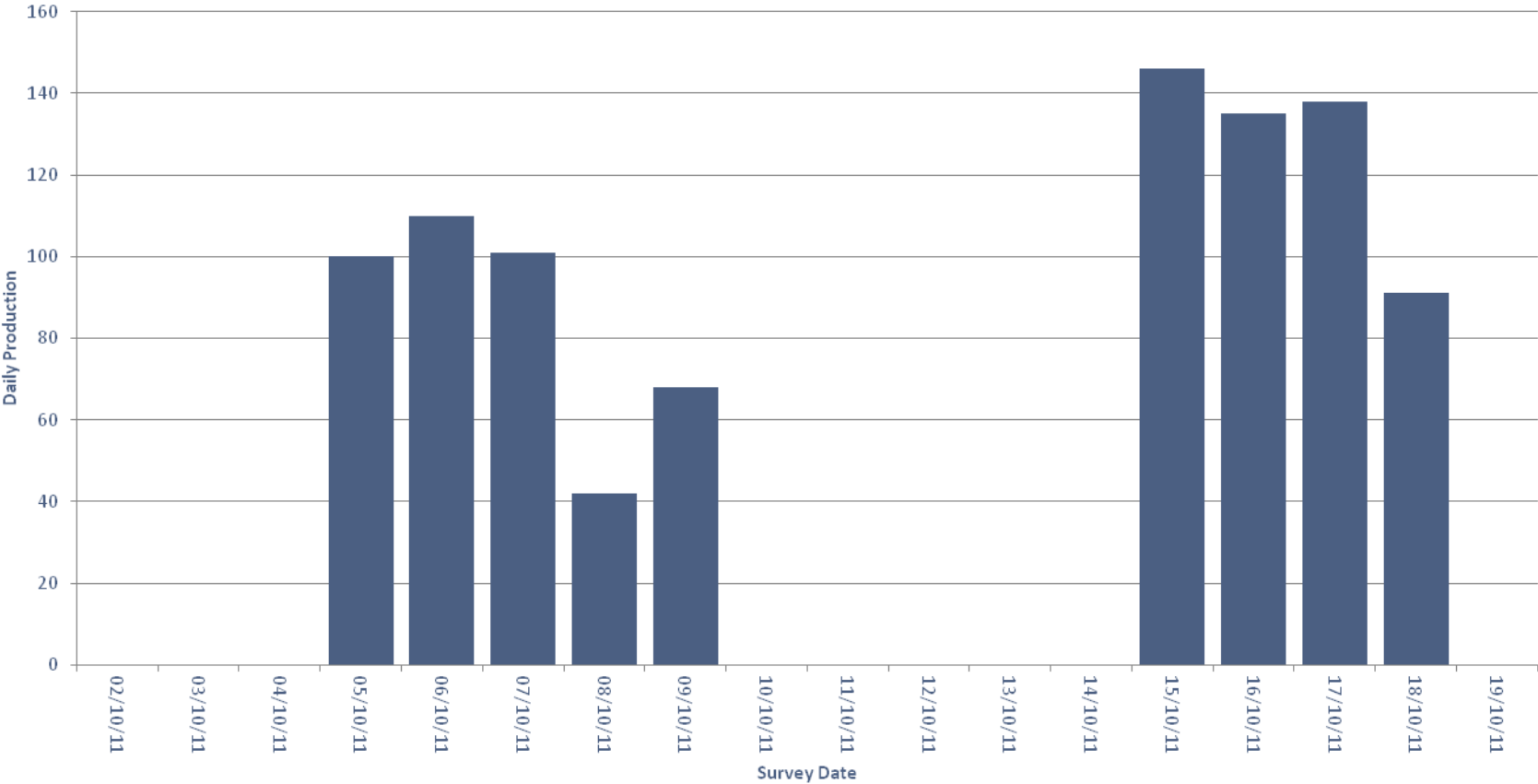
Production Table

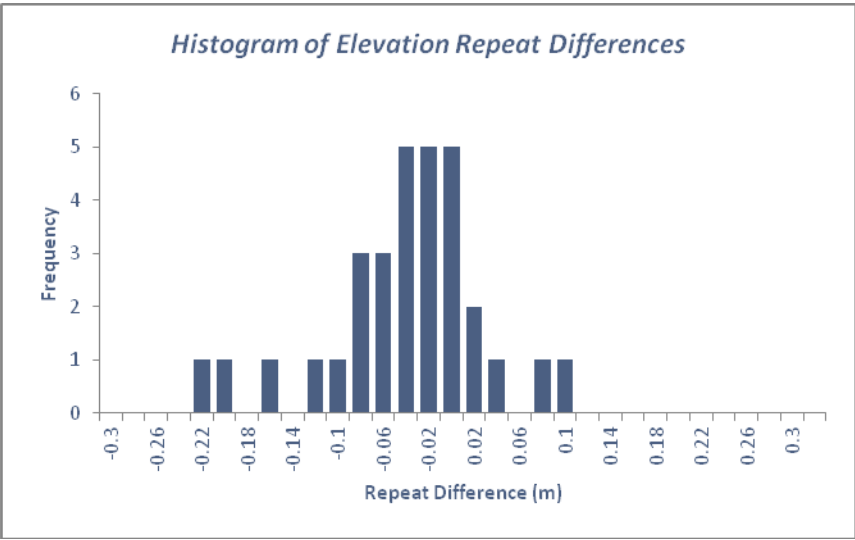
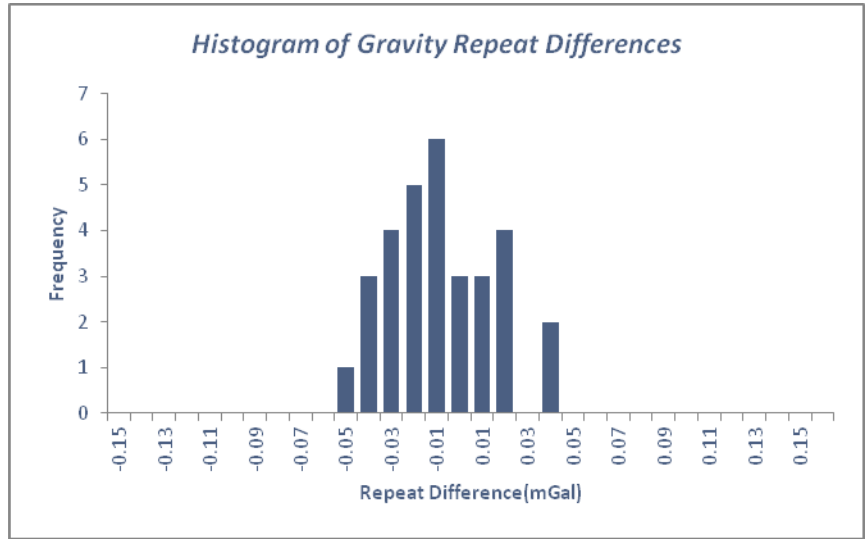
DATE	MOB STANDBY %	SURVEY %	40240 FIELD	40240 REPEAT	40240 %REPEAT	FIELD TOTAL	REPEAT TOTAL	SURVEY TOTAL	SURVEY REMAIN	SURVEY REPEAT	SURVEY %REPEAT	SURVEY % COMPLETE
02/10/2011	100%	0%	0	0	0.00%	0	0	0	931	0	0.00%	0.00%
03/10/2011	100%	0%	0	0	0.00%	0	0	0	931	0	0.00%	0.00%
04/10/2011	100%	0%	0	0	0.00%	0	0	0	931	0	0.00%	0.00%
05/10/2011	0%	100%	100	3	3.00%	100	3	100	831	3	3.00%	10.74%
06/10/2011	0%	100%	110	5	4.55%	110	5	210	721	8	3.81%	22.56%
07/10/2011	0%	100%	101	3	2.97%	101	3	311	620	11	3.54%	33.40%
08/10/2011	0%	100%	42	3	7.14%	42	3	353	578	14	3.97%	37.92%
09/10/2011	0%	100%	68	2	2.94%	68	2	421	510	16	3.80%	45.22%
10/10/2011	0%	0%	0	0	0.00%	0	0	421	510	16	3.80%	45.22%
11/10/2011	100%	0%	0	0	0.00%	0	0	421	510	16	3.80%	45.22%
12/10/2011	100%	0%	0	0	0.00%	0	0	421	510	16	3.80%	45.22%
13/10/2011	0%	0%	0	0	0.00%	0	0	421	510	16	3.80%	45.22%
14/10/2011	100%	0%	0	0	0.00%	0	0	421	510	16	3.80%	45.22%
15/10/2011	0%	100%	146	5	3.42%	146	5	567	364	21	3.70%	60.90%
16/10/2011	0%	100%	135	2	1.48%	135	2	702	229	23	3.28%	75.40%
17/10/2011	0%	100%	138	5	3.62%	138	5	840	91	28	3.33%	90.23%
18/10/2011	30%	70%	91	3	3.30%	91	3	931	0	31	3.33%	100.00%
19/10/2011	50%	0%	0	0	0.00%	0	0	931	0	31	3.33%	100.00%

## Supervisor Comments:

DATE	COMMENT
02/10/2011	PC and AM set out from Boulia at 0630. Crew packed up gear and mobilised to Alice Springs.
03/10/2011	PC and AM began preparations for job including servicing of equipment.
04/10/2011	PC and AM set out for Ooratippra and set up camp.
05/10/2011	PC and AM established a base station and began surveying at 0930. Going was good with 100 stations and conditions were good with warm weather and open country.
06/10/2011	The crew set out this morning after completing the pre start on the UTV. Terrain again was pretty flat and open and the crew experienced very minimal delays. There is a bushfire on the horizon and the crew are keeping an eye on the direction of it. At the end of the day the crew cleaned out the UTV and processed the data.
07/10/2011	PC and AM began surveying at 0700. Terrain was challenging in parts and the crew had to navigate around some difficult areas. The Polaris is going well and there have been no problems so far. At the end of the day the crew returned back to camp to clean the gear and process the data.
08/10/2011	PC and AM began surveying at 0700. The morning started well and there were minimal delays until the crew became bogged for several hours after entering into a difficult creek system. After a long time digging the Polaris became free and the crew were able to make their way back to camp.
09/10/2011	The crew made an early start this morning as the temperatures are starting to heat up. The morning went well until the crew experienced some over overheating difficulties with the Polaris. After continuing on for the afternoon the crew had to stop around 1500 to let the Polaris cool down. After a 20 minute period, the crew went to start the UTV and the battery had gone flat. After discussing the options with Perth operations an executive decision was made to walk the 10km back to the vehicle in preparation to drive it back out. This took the crew several hours and 15 minute intervals for scheduled calls were introduced. At around 1900 local time the crew arrived at the vehicle and began the drive back to the Polaris. The crew returned back to camp just before midnight.
10/10/2011	Today, after getting a little sleep in, we drove up to Arlparra to grab some more fuel and water. We also cleaned out the radiator on the Polaris to remedy the overheating issues. Returned back to camp to find a bushfire on the horizon. We didn't go back out, so no charge to the client. We stayed vigilant overnight as it looked like the bushfire was getting near. At 2am, the bushfire was upon us, so we quickly packed up at camp and retreated to the old homestead and slept there.
11/10/2011	At 8am we awoke to find the bushfire getting near to the homestead. After the scare last night, We decided to bail out and made it to the road and called Leon. Leon advised to head to Arlparra and wait it out. Upon arriving there, we were told there was no running water. Leon sent us down to Alice to wait the fire out. After contact was made with the client, it was decided that we would wait a day or so to let the fire burn out until it was safe to return. Leon swapped Paul out with Nathan.
12/10/2011	Paul returned home, Aidan remained in Alice awaiting Nathans arrival.
13/10/2011	Nathan arrived at 16:30. No charge to client.
14/10/2011	Grabbed some supplies and headed back out to Ooratippra to check the grid out. The homestead survived but the fire pretty much covered the whole of grid B. We setup camp, unpacked and hit the sack for a big day tomorrow.
15/10/2011	The crew ferried 17km's to the furthest point in grid B where they began to run points for the entire day. The crew was slowed down by washouts and hills. No safety issues arose.
16/10/2011	Today the crew ferried out to grid B to begin acquiring data. The day went smoothly but some large hills slowed the crew's production a little. No safety issues.
17/10/2011	Today the crew ferried 11km's out to the grid to begin acquisition. The terrain made the crew's progression slow going in some parts but the day remained incident free.
18/10/2011	Today the crew completed grid B at approximately 1400 but blew out a belt on the Polaris. Once repaired, the crew returned back to camp where they carried out one loop of control to the GRVGPS0115 base located at the Ooratippra homestead.
19/10/2011	Today the crew did another loop of control in the early morning and sent to Leon/client for approval before demobilising back to Alice.

Daily Production Chart





FIELD	MEAN	SD	MINIMUM	MAXIMUM
DIFFEASTM	0.250	1.649	-4.627	6.971
DIFFNORTHM	-0.458	1.495	-5.735	1.144
DIFFHTM	-0.029	0.070	-0.212	0.114
DIFFOBSGMGAL	-0.003	0.024	-0.049	0.045
DIFFOBSSGGU	-0.033	0.241	-0.490	0.450