



AURORA GEOSCIENCES

## Lucky Strike 2016 2D RESIP - Personnel Tracking

	Louis Rosenthal	Matt Ford	Laura McIntyre	Hannah Warrington
<b>Current Job</b>	<b>10</b>	<b>8</b>	<b>8</b>	<b>9</b>
<b>Sep 2016 Totals</b>	<b>10</b>	<b>8</b>	<b>8</b>	<b>9</b>
Wed 14-Sep-2016	Prep Gear			
Thu 15-Sep-2016	Prep Gear			Prep Gear
Fri 16-Sep-2016	Mobe/2D RESIP	Mobe/2D RESIP	Mobe/2D RESIP	Mobe/2D RESIP
Sat 17-Sep-2016	2D RESIP	2D RESIP	2D RESIP	2D RESIP
Sun 18-Sep-2016	2D RESIP	2D RESIP	2D RESIP	2D RESIP
Mon 19-Sep-2016	2D RESIP	2D RESIP	2D RESIP	2D RESIP
Tue 20-Sep-2016	2D RESIP	2D RESIP	2D RESIP	2D RESIP
Wed 21-Sep-2016	2D RESIP	2D RESIP	2D RESIP	2D RESIP
Thu 22-Sep-2016	2D RESIP	2D RESIP	2D RESIP	2D RESIP
Fri 23-Sep-2016	DCIP/Demobe	DCIP/Demobe	DCIP/Demobe	DCIP/Demobe



**Production Summary - 2016 Lucky Strike 2D RESIP**

	2D RESIP	Line	Survey Type
<b>Current Job</b>	<b>6.95 line.km</b>		
<b>Wed 14-Sep-2016</b>		-	-
<b>Thu 15-Sep-2016</b>		-	-
<b>Fri 16-Sep-2016</b>	0.4	Line 7	50 m dipole dipole
<b>Sat 17-Sep-2016</b>	1.2	Line 7, Line 6	50 m expanding pole-dipole
<b>Sun 18-Sep-2016</b>	1	Line 5	50 m expanding pole-dipole
<b>Mon 19-Sep-2016</b>	1	Line 4	50 m expanding pole-dipole
<b>Tue 20-Sep-2016</b>	1	Line 3	50 m expanding pole-dipole
<b>Wed 21-Sep-2016</b>	1	Line 2	50 m expanding pole-dipole
<b>Thu 22-Sep-2016</b>	1	Line 2	50 m expanding pole-dipole
<b>Fri 23-Sep-2016</b>	0.35	Line 8	10 m expanding pole-dipole



**Lucky Strike 2016 2D RESIP**

<b>DATE:</b>	Wednesday, September 14, 2016
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<b>PREPARED BY:</b>	Louis Rosenthal
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<b>Comments</b>
Weather N/A

<b>LOGISTICS</b>		
<i>Type</i>	<i>Contractor</i>	<i>Hrs or units</i>

<b>Notes (production comments, incidents, other)</b>
LR commences prepping the gear and the job Instructions for the Job.



**Lucky Strike 2016 2D RESIP**

**DATE:** Thursday, September 15, 2016

**PREPARED BY:**  
Louis Rosenthal

**Comments**  
Weather  
N/A

<b>LOGISTICS</b>		
Type	Contractor	Hrs or units

**Notes (production comments, incidents, other)**  
LR and HW finish packing the gear and check that everything is in working order, load truck for AM departure. Go over final job instruction as well as hazard analysis with DH in the PM.



**Lucky Strike 2016 2D RESIP**

<b>DATE:</b>	Friday, September 16, 2016
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<b>PREPARED BY:</b>	Louis Rosenthal
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<b>LOGISTICS</b>		
<i>Type</i>	<i>Contractor</i>	<i>Hrs or units</i>
Cessna Grand Caravan	Alkan	3 hrs
Hughes 500 Helicopter	Ocean	1.5 hrs

<b>Comments</b>
<b>Weather</b>
Fine sunny weather, around 15 degrees

<b>Notes (production comments, incidents, other)</b>
LM meets LR and HW at the crewhouse around 7:30, proceed to Alkan with CTN and meet up with Matt Ford and a soil sampler from druid. Weigh gear, and it is few hundred pounds overweight. Leave the backup tx, rx, spool and gas for later dropoff. Arrive in camp about 10, unpack, settle in, then go over the plan with Clayton. Initial Camp Safety meeting with Clayton, then get setup for IP and setup slingloads. ON the grid by 1pm, setup tx in an old camp. Hannah and Laura bring spools to the end of the line for TX and setup for dipole dipole. LR and MF lay out cables, difficult in thick blowdown, significant cutting with handtools. Start taking readings around 4, and have very low signal due to conductive ground, despite the high injected currents. Data is generally quite noisy past n=6. Total of 8 readings, due to short lines start rolling off the dipoles pretty earlier than anticipated, open electrode.



**Lucky Strike 2016 2D RESIP**

<b>DATE:</b>	Saturday, September 17, 2016
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<b>PREPARED BY:</b>	Louis Rosenthal
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<b>LOGISTICS</b>		
<i>Type</i>	<i>Contractor</i>	<i>Hrs or units</i>
Hughes 500 Helicopter	Ocean	1 hr

<b>Comments</b>
<b>Weather</b>
Fine sunny weather, around 15 degrees

<b>Notes (production comments, incidents, other)</b>
<p>Second and third flights out overall, crew all on the grid by around 9. Some horsing around right off the bat with an open loop caused by animals walking through the current wires. Re-train matt ford on tx. Take the last 6 readings for the first line, discover that there was a bad wire on the last cable, and that there were actually 2 more cables that were laid out and didn't get surveyed. Line pickup takes a while due to terrain, and crew sets up to read expanding pole dipole on L6, throwing an infinite in a bog about 350 m past the end of the line. Data looks way cleaner, also easily able to get a lot of current in the ground. Crew finishes the second line and beings packing things up. Some problems with the generator midday, MF fixes the choke and gets it going.</p>



**Lucky Strike 2016 2D RESIP**

**DATE:** Sunday, September 18, 2016

**PREPARED BY:**  
Louis Rosenthal

<b>LOGISTICS</b>		
Type	Contractor	Hrs or units
Hughes 500 Helicopter	Ocean	1 hr

**Comments**  
Weather  
Fine sunny weather, 5-15 degrees, fog in the morning that clears up.

**Notes (production comments, incidents, other)**  
Crew picks up L6 and begins setting up L5. Things starting to move slower as we figure out how to survey in this terrain without line cutting. Open loop caused by animals in the infinite this morning. Finish the line then pack up transmitter and fly to new site that will allow for surveying the last few lines. LR and LM hike the cables over to the new line, 800m away, a slog.



**Lucky Strike 2016 2D RESIP**

<b>DATE:</b>	Monday, September 19, 2016
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<b>PREPARED BY:</b>	Louis Rosenthal
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<b>LOGISTICS</b>		
<i>Type</i>	<i>Contractor</i>	<i>Hrs or units</i>
Hughes 500 Helicopter	Ocean	1 hr

<b>Comments</b>
<b>Weather</b>
Fine sunny weather, 0-15 degrees.

<b>Notes (production comments, incidents, other)</b>
Hannah goes out to finish picking up wire from last transmitter site while rest of crew preps infinite and cables for the new line. Very thick brush here. Crew surveys L4 in the afternoon and starts to set up L3.





**Lucky Strike 2016 2D RESIP**

**DATE:** Tuesday, September 20, 2016

**PREPARED BY:**  
Louis Rosenthal

<b>LOGISTICS</b>		
Type	Contractor	Hrs or units
Hughes 500 Helicopter	Ocean	1 hr

**Comments**  
Weather  
Fine sunny weather, 0-15 degrees,

**Notes (production comments, incidents, other)**  
Crew sets up and surveys L3, some difficulties with cables burnt pigtailed cause inconsistent readings. Hikes gear over to L2 and start setting up at the end of the day. RX reset at the start of the day and took some readings with arithmetic time gates instead of semi-log, will have to make this consistent in post-processing.



**Lucky Strike 2016 2D RESIP**

**DATE:** Wednesday, September 21, 2016

**PREPARED BY:**  
Louis Rosenthal

<b>LOGISTICS</b>		
Type	Contractor	Hrs or units
Hughes 500 Helicopter	Ocean	1 hr

**Comments**  
Weather  
Fine sunny weather, 0-15 degrees,

**Notes (production comments, incidents, other)**  
Crew finishes setting up then surveys L2. Had the line half setup in the morning, so we were able to get right down to things, but were plagued with a lot of problems in the morning. A cable was chewed by a critter and that slowed things right away, took the first reading even though there was an open dipole, was gonna use that cable to troubleshoot, but it turned out to be the chewed cable. Smooth sailing after that, finish readings L2 and set up most of L1.



**Lucky Strike 2016 2D RESIP**

**DATE:** Thursday, September 22, 2016

**PREPARED BY:**  
Louis Rosenthal

<b>LOGISTICS</b>		
Type	Contractor	Hrs or units
Hughes 500 Helicopter	Ocean	1 hr

**Comments**  
Weather  
Fine sunny weather, 0-15 degrees,

**Notes (production comments, incidents, other)**  
Surveyed L1, some cable and electrode problems, there was a dipole acting weird and collected bad data on it because I thought it was good data at first. Clean cablesline quickly and MF and LR go to the science project line and lay out 450 m with 10 m stations and a chain while laura and Hannah pick up the remaining wire. LR and MF also make the snake and lay out current wires for the following day. Start packing gear back in internal loads.



**Lucky Strike 2016 2D RESIP**

<b>DATE:</b>	Friday, September 23, 2016
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<b>PREPARED BY:</b>	Louis Rosenthal
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<b>LOGISTICS</b>		
<i>Type</i>	<i>Contractor</i>	<i>Hrs or units</i>
Cessna Grand Caravan	Alkan	3 hrs
Hughes 500 Helicopter	Ocean	1 hr

<b>Comments</b>
Weather
Frosty weather in the morning, warming quickly in the sun.

<b>Notes (production comments, incidents, other)</b>
<p>Crews heads to L8, the 10 m dipole, depth to bedrock investigation using expanding pole-dipole current source. Get surveying quickly and end up with 34 stations of data by about 2 o'clock. Start flying personnel and a sling load back to camp. Clear out of tents and prep all gear for demobe. Alkan arrives around 430, have to shuttle people in helicopter to the coffee strip since pilot is uneasy about taking off with everyone and all the gear from the thistle strip. End up back in town around 630, and LR and HW go to warehouse and unload the gear.</p>