

## Project Report Appendices

The following section contains the appendices as listed in the Winnebago County, WI QL2 Project Report.

## Appendix A

# Flight Logs

There were seven total lifts; data from five of these missions were used. Flight logs are found on the following pages.

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# Apr 23, 2014-A (N812TB, SN7161)

**OPERATORS FLIGHT LOG**

MISSION: 20140423-123255 DATE: 4/23/2014 LEICA ALS-70 AIRCRAFT: N812TB SENSOR: 7161 ED1

PROJECT NUMBER AND NAME: Elbridge OPERATOR: Emily D / Sheboygan Survey

PROJECT NUMBER AND NAME	LINE No.	Lbl	Hdg	GND SPEED (KTS)	FREQ Hz	SCAN ANGLE	PRF kHz	FIXED GAIN	Flying Ht. (ft)	TIME START	TIME STOP	REMARKS	SENSOR
114 0214	173	057	270	150	41	40	274	12/3	1185	12:48	13:05	016	SBM → site
Countywide	172	056	90	150						13:16	13:24		
OSAKosh (Winnebago)	171	055	270	150						13:27	13:35		
	170	054	90	155						13:39	13:47		
	169	053	270	154						13:50	13:58		
	168	052	90	155						14:01	14:09		
	167	051	270	153						14:12	14:20		
	166	050	90	153						14:23	14:31		
	165	049	270	153						14:34	14:42		
	164	048	90	150						14:45	14:53		
	163	047	270	152						14:57	15:04		
	162	046	90	150						15:08	15:12		
	161	045	270	152						15:15	15:19		
	160	044	90	151						15:22	15:26		
	159	043	270	152						15:30	15:34		
	158	042	90	145						15:37	15:42		
	157	041	270	151						15:45	15:49		
	156	040	90	152						15:52	15:57		
<b>STATUS</b>	<b>TOTAL LINES</b>			<b>FLOWN</b>	<b>LEFT</b>	<b>SITE</b>	<b>AIRCRAFT</b>		<b>STATIC</b>	<b>START</b>	<b>STOP</b>	<b>NOTES:</b>	
○ 1140214	57			24	33	3.7	0.6			12:36	12:41		
○									WX				
○													

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OPERATORS FLIGHT LOG

MISSION: 20140423 - 181506 DATE: 4/23/2014 LEICA ALS-70 SENSOR: E.D.2

PILOT: E. Brudge OPERATOR: Emily D / Jonathan S. AIRCRAFT: A182TB

PROJECT NUMBER AND NAME	LINE NO.	LINE LBL	HIG	GND SPEED (KTS)	FREQ HZ	SCAN ANGLE	PRF RHZ	FIXED GAIN	FLYING Ht. (ft)	START TIME	STOP TIME	PHOTO DRIVE	REMARKS	
														START
1140214	X	UL001	0	154	41	40	274	12-13	1178	22:26	22:30	016	cross tie	
County wide										22:30	22:40		site → SBM 3	
Dshkosh													Hobbs end	
(W. mebrage)													2656.0	
AIRCRAFT FERRY														
STATUS	TOTAL LINES	FLOWN	LEFT	SITE	START	STOP	INDICES							
1140214	57	18	15	3.7	0.6	22:19	22:54							

20140423 - 181506

2nd mission

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# Apr 26, 2014-A (N812TB, SN7161)

OPERATORS FLIGHT LOG

MISSION: 2040426-12437  
 PILOT: Elbridge  
 PROJECT NUMBER AND NAME: 1140214  
 OPERATOR: Emily  
 DATE: 4-26-14  
 AIRCRAFT: N812TB  
 LEICA ALS-70: [redacted]  
 SENSOR: 7161

LINE No	LINE Htg	CHD SPEED (KTS)	FREQ Hz	SCAN ANGLE	PRF KHz	FIXED GAIN	Flying Ht (m)	TIME		REMARKS
								START	STOP	
149	033	270	150	41	90	274	2188	12:54	13:14	SBM → site
148	032	90						13:14	13:18	015
								13:22	13:26	aborted line → clouded out
								13:26	13:43	site → SBM 3
										2669.9 end Hobbs

  

STATUS	TOTAL LINES	FLOWN	LEFT	AIRCRAFT			NOTES
				SITE	FERRY	STATIC	
①	57	1	14	02	0.6		1247-1252 1346-1351
②					0.8		

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OPERATORS FLIGHT LOG

MISSION: 20140423 - 181506 DATE: 4/23/2014 LEICA ALS-70 SENSOR: E.D. 2

PILOT: E. Brudge OPERATOR: Emily D / Jonathan S. AIRCRAFT: A182TB

PROJECT NUMBER AND NAME	LINE NO.	LINE LBL	Hdg	SPEED (KTS)	FREQ HZ	SCAN ANGLE	PRF RHZ	FIXED GAIN	FLYING Ht. (ft)	START TIME	STOP TIME	PHOTO DRIVE	REMARKS	
														START
1140214	X	UL001	0	154	41	40	274	12-13	1178	22:26	22:30	016	cross tie	
Country wide										22:30	22:40		site → SBM 3	
Dshkosh													Hobbs end	
(W. mebrage)													2656.0	
AIRCRAFT FERRY														
STATUS	TOTAL LINES	FLOWN	LEFT	SITE	START	STOP								
1140214	57	18	15	3.7	0.6	22:19	22:54							

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2nd mission

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# May 14, 2014-A (N812TB, SN7161)

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MISSION: 20140514 - 120029		DATE: 5-14-2014		LEICA ALS-70		E.O. 1			
PILOT: Jesse Seaborn		OPERATOR: Emily Dyreson		AIRCRAFT: N812TB		SENSOR: 7161			
PROJECT NUMBER AND NAME		LINE		TIME		REMARKS			
No.	Lbl	Hdg	FREQ Hz	SCAN ANGLE	PRF KHZ	FIXED GAIN	Flying Ht. (m)		
		GND SPEED (KTS)				MM70 DRIVE			
						START STOP			
1140214			150	41	40	274	2187	12:12 12:33	SBM → site 0.3
Winnebago Co.	X 001	359	150	41	40	274	2187	12:33 12:34	Cross tie over lines 140, 141
	141	025	155	↓	↓	↓	↓	12:42 12:47	
	140	024	155	↓	↓	↓	↓	12:53 13:01	
								13:01 13:58	Winnebago → St. Croix 0.9
1140306			150	35	38	230	2575	13:58 14:09	
St. Croix Co.	071	014	155	↓	↓	↓	↓	14:13 14:24	
	072	020	152	↓	↓	↓	↓	14:27 14:38	
	073	021	152	↓	↓	↓	↓	14:42 14:53	
	074	022	149	↓	↓	↓	↓	14:56 15:07	
	X 001	356	150	↓	↓	↓	↓	15:16 15:18	Cross tie
20140514-143434								15:18 15:30	Site → RNH 0.2 End Flows 2744.8
1140505			156	55	35	347	1741	14:49 20:41	RNH → site 0.9
Kennewick Copper	941	071	155	↓	↓	↓	↓	20:41 20:54	
	940	076	154	↓	↓	↓	↓	20:57 21:11	
	939	075	150	↓	↓	↓	↓	21:14 21:29	
	938	074	155	↓	↓	↓	↓	21:32 21:47	
	937	073	155	↓	↓	↓	↓	21:50 22:04	
STATUS	TOTAL LINES	FLOWN	LEFT	SITE	AIRCRAFT FERRY	STATIC	START STOP	NOTES:	
⊗ 1140214	57	2	0	0.5	0.3		12:04 - 12:09	CORS: FOLA 12:24	
⊗ 1140306	52	5	14	1.3	1.1	WK	15:31 - 15:36	CHFA 13:45	
⊗ 1140505	86	10	76	2.9	2.0		19:40 - 19:45	MEIW 20:34	

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