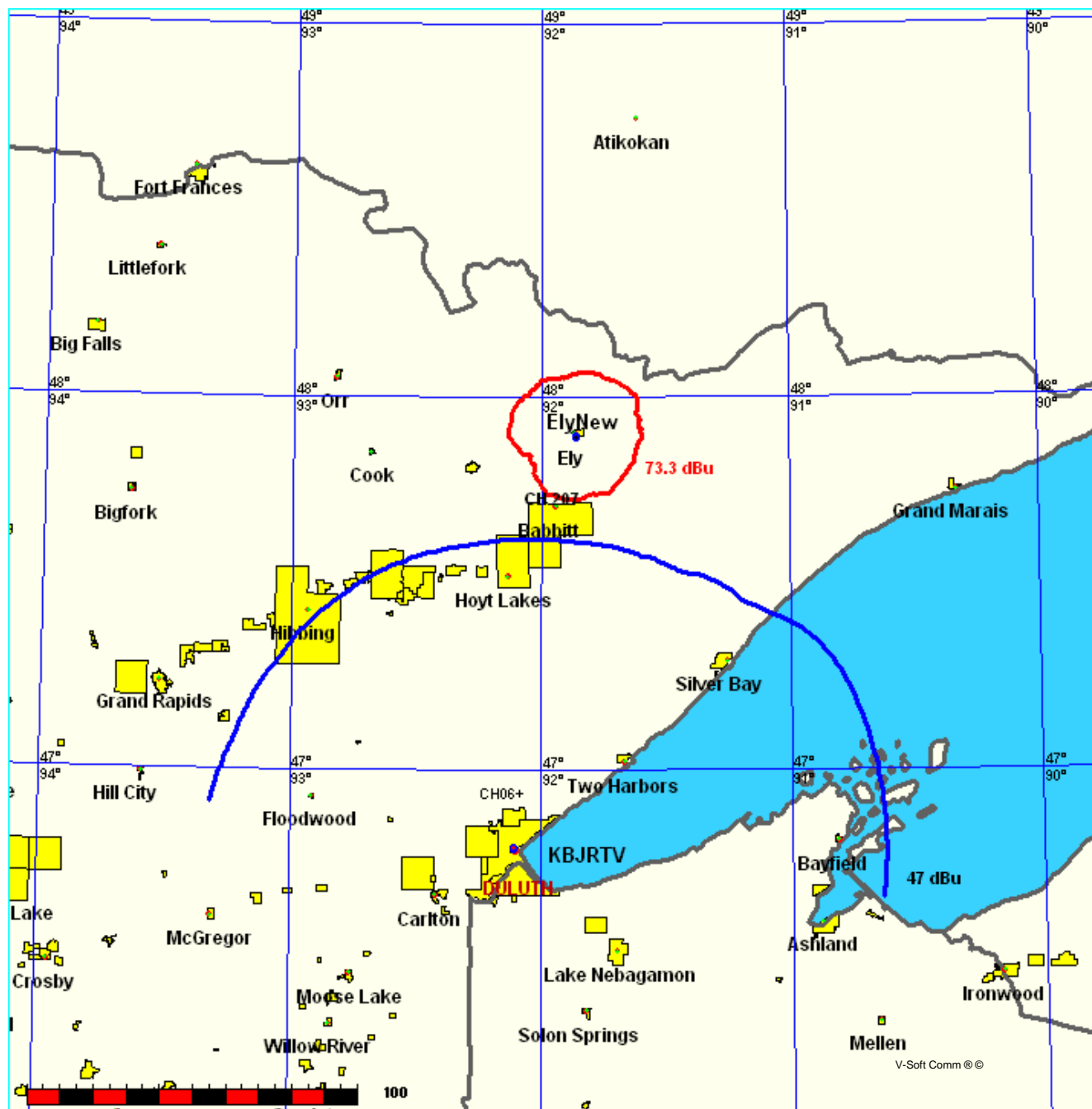


Minnesota Public Radio  
ElyNew v. KBJR-TV

FMCommander Single Allocation Study  
05-28-2008

ElyNew CH 207 C3  
Study ERP = 19.475 kW 540.5 M COR  
Intef. = 73.3 dBu

KBJRTV CH 06+ 2C BLCT20000517AEX  
100.0 kW, 603.8 M COR  
Prot. = 47 dBu



05-28-2008 USGS 03 SEC Terrain Data

KBJRTV BLCT20000517AEX  
 Channel = 06+2C  
 Max ERP = 100 kW  
 RCAMSL = 603.8 M  
 N. Lat. 46 47 21.0  
 W. Lng. 92 06 51.0  
 Protected  
 47 dBu

ElyNew  
 Channel = 207C3  
 Study ERP = 19.475 kW  
 RCAMSL = 540.5 M  
 N. Lat. 47 53 39.9  
 W. Lng. 91 51 50.0  
 Interfering  
 73.3 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
309.0	100.0000	0167.2	090.7	233.7	019.4750	0072.5	111.0	38.49
310.0	100.0000	0167.5	090.7	233.9	019.4750	0072.0	109.5	38.75
311.0	100.0000	0169.0	090.9	234.2	019.4750	0071.2	108.0	39.01
312.0	100.0000	0170.6	091.0	234.4	019.4750	0070.5	106.5	39.27
313.0	100.0000	0173.4	091.4	234.8	019.4750	0070.1	105.0	39.54
314.0	100.0000	0174.3	091.4	235.0	019.4750	0069.8	103.4	39.83
315.0	100.0000	0174.6	091.5	235.2	019.4750	0069.7	101.9	40.14
316.0	100.0000	0174.9	091.5	235.3	019.4750	0069.6	100.3	40.46
317.0	100.0000	0175.1	091.5	235.5	019.4750	0069.5	098.7	40.79
318.0	100.0000	0175.3	091.6	235.6	019.4750	0069.5	097.1	41.13
319.0	100.0000	0175.4	091.6	235.8	019.4750	0069.5	095.5	41.48
320.0	100.0000	0175.5	091.6	235.9	019.4750	0069.4	094.0	41.85
321.0	100.0000	0175.7	091.6	236.0	019.4750	0069.4	092.4	42.23
322.0	100.0000	0175.9	091.6	236.1	019.4750	0069.4	090.8	42.61
323.0	100.0000	0176.1	091.6	236.1	019.4750	0069.4	089.2	43.01
324.0	100.0000	0176.6	091.7	236.2	019.4750	0069.4	087.6	43.42
325.0	100.0000	0177.3	091.8	236.3	019.4750	0069.4	086.0	43.83
326.0	100.0000	0178.3	091.9	236.4	019.4750	0069.4	084.4	44.24
327.0	100.0000	0178.5	091.9	236.4	019.4750	0069.4	082.8	44.66
328.0	100.0000	0178.7	091.9	236.4	019.4750	0069.4	081.2	45.07
329.0	100.0000	0179.2	092.0	236.4	019.4750	0069.4	079.6	45.48
330.0	100.0000	0179.8	092.0	236.3	019.4750	0069.4	078.0	45.90
331.0	100.0000	0180.1	092.1	236.3	019.4750	0069.4	076.3	46.32
332.0	100.0000	0180.5	092.1	236.2	019.4750	0069.4	074.7	46.74
333.0	100.0000	0180.9	092.1	236.1	019.4750	0069.4	073.1	47.16
334.0	100.0000	0181.0	092.2	235.9	019.4750	0069.4	071.5	47.58
335.0	100.0000	0181.0	092.2	235.7	019.4750	0069.5	070.0	48.01
336.0	100.0000	0180.8	092.1	235.5	019.4750	0069.6	068.4	48.43
337.0	100.0000	0180.4	092.1	235.2	019.4750	0069.7	066.8	48.86
338.0	100.0000	0179.9	092.0	234.8	019.4750	0070.0	065.2	49.31
339.0	100.0000	0179.8	092.0	234.5	019.4750	0070.5	063.7	49.77
340.0	100.0000	0179.7	092.0	234.1	019.4750	0071.5	062.1	50.29
341.0	100.0000	0179.6	092.0	233.6	019.4750	0072.7	060.6	50.85
342.0	100.0000	0179.4	092.0	233.1	019.4750	0073.7	059.1	51.41
343.0	100.0000	0179.1	092.0	232.6	019.4750	0074.7	057.6	51.98

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
344.0	100.0000	0178.7	091.9	231.9	019.4750	0075.9	056.1	52.58
345.0	100.0000	0178.0	091.8	231.2	019.4750	0078.4	054.6	53.29
346.0	100.0000	0177.9	091.8	230.5	019.4750	0081.0	053.2	54.01
347.0	100.0000	0177.9	091.8	229.7	019.4750	0082.5	051.8	54.66
348.0	100.0000	0177.4	091.8	228.8	019.4750	0083.4	050.4	55.23
349.0	100.0000	0176.5	091.7	227.8	019.4750	0084.0	049.0	55.76
350.0	100.0000	0176.2	091.6	226.7	019.4750	0084.0	047.7	56.23
351.0	100.0000	0176.6	091.7	225.6	019.4750	0084.5	046.4	56.76
352.0	100.0000	0177.1	091.7	224.5	019.4750	0085.6	045.0	57.36
353.0	100.0000	0177.4	091.8	223.2	019.4750	0086.7	043.8	57.94
354.0	100.0000	0177.6	091.8	221.9	019.4750	0086.7	042.5	58.42
355.0	100.0000	0177.9	091.8	220.4	019.4750	0087.3	041.4	58.95
356.0	100.0000	0179.2	092.0	218.9	019.4750	0088.7	040.1	59.58
357.0	100.0000	0180.9	092.1	217.3	019.4750	0090.9	038.9	60.29
358.0	100.0000	0182.0	092.3	215.5	019.4750	0093.3	037.8	60.99
359.0	100.0000	0182.4	092.3	213.6	019.4750	0094.4	036.9	61.52
000.0	100.0000	0182.4	092.3	211.5	019.4750	0095.3	036.0	61.99
001.0	100.0000	0182.6	092.3	209.2	019.4750	0100.0	035.2	62.79
002.0	100.0000	0183.5	092.4	206.9	019.4750	0103.0	034.4	63.42
003.0	100.0000	0184.7	092.5	204.5	019.4750	0102.6	033.6	63.74
004.0	100.0000	0186.2	092.7	202.0	019.4750	0101.3	032.9	63.96
005.0	100.0000	0187.3	092.8	199.3	019.4750	0099.1	032.4	64.02
006.0	100.0000	0188.0	092.9	196.5	019.4750	0098.7	031.9	64.18
007.0	100.0000	0188.7	093.0	193.6	019.4750	0099.8	031.6	64.43
008.0	100.0000	0189.5	093.0	190.7	019.4750	0100.6	031.4	64.62
009.0	100.0000	0190.3	093.1	187.7	019.4750	0100.9	031.3	64.69
010.0	100.0000	0191.1	093.2	184.7	019.4750	0101.6	031.3	64.74
011.0	100.0000	0192.5	093.3	181.8	019.4750	0101.3	031.4	64.69
012.0	100.0000	0194.8	093.6	178.8	019.4750	0099.8	031.5	64.51
013.0	100.0000	0197.1	093.8	175.8	019.4750	0099.8	031.7	64.40
014.0	100.0000	0199.2	094.0	172.9	019.4750	0097.9	032.1	64.05
015.0	100.0000	0201.6	094.3	170.1	019.4750	0095.3	032.5	63.60
016.0	100.0000	0204.2	094.5	167.3	019.4750	0092.2	033.0	63.06
017.0	100.0000	0206.5	094.7	164.7	019.4750	0092.2	033.7	62.75
018.0	100.0000	0208.5	094.9	162.2	019.4750	0093.2	034.4	62.49
019.0	100.0000	0211.5	095.2	159.7	019.4750	0096.2	035.2	62.42
020.0	100.0000	0213.0	095.4	157.6	019.4750	0097.4	036.2	62.08
021.0	100.0000	0214.1	095.5	155.6	019.4750	0099.4	037.3	61.78
022.0	100.0000	0214.6	095.5	153.8	019.4750	0102.0	038.5	61.48
023.0	100.0000	0215.6	095.6	152.1	019.4750	0105.3	039.7	61.22
024.0	100.0000	0217.6	095.8	150.5	019.4750	0108.1	040.9	60.91
025.0	100.0000	0221.4	096.2	148.7	019.4750	0108.5	042.1	60.46
026.0	100.0000	0224.2	096.5	147.2	019.4750	0107.8	043.3	59.88
027.0	100.0000	0225.2	096.6	146.0	019.4750	0106.8	044.8	59.23
028.0	100.0000	0226.3	096.7	144.9	019.4750	0105.6	046.2	58.57
029.0	100.0000	0227.9	096.8	143.8	019.4750	0104.6	047.7	57.93
030.0	100.0000	0228.6	096.9	142.9	019.4750	0103.0	049.2	57.25
031.0	100.0000	0229.4	097.0	142.1	019.4750	0101.8	050.7	56.57
032.0	100.0000	0233.5	097.4	141.1	019.4750	0100.8	052.2	55.94
033.0	100.0000	0241.7	098.2	139.7	019.4750	0100.5	053.6	55.39
034.0	100.0000	0250.6	099.0	138.3	019.4750	0101.1	055.0	54.88

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
035.0	100.0000	0257.2	099.7	137.3	019.4750	0100.7	056.6	54.28
036.0	100.0000	0262.5	100.2	136.5	019.4750	0100.3	058.2	53.65
037.0	100.0000	0266.8	100.6	135.8	019.4750	0100.1	059.8	53.04
038.0	100.0000	0271.5	101.0	135.1	019.4750	0099.9	061.5	52.45
039.0	100.0000	0275.3	101.4	134.7	019.4750	0099.8	063.2	51.88
040.0	100.0000	0278.6	101.7	134.2	019.4750	0099.8	065.0	51.33
041.0	100.0000	0279.8	101.8	134.1	019.4750	0099.8	066.7	50.80
042.0	100.0000	0280.0	101.8	134.0	019.4750	0099.8	068.5	50.27
043.0	100.0000	0280.0	101.8	133.9	019.4750	0099.9	070.3	49.74
044.0	100.0000	0285.8	102.3	133.5	019.4750	0099.9	072.1	49.22
045.0	100.0000	0294.9	103.1	132.9	019.4750	0099.8	073.9	48.69
046.0	100.0000	0304.1	103.9	132.4	019.4750	0099.9	075.7	48.17
047.0	100.0000	0313.3	104.6	132.0	019.4750	0099.9	077.6	47.63
048.0	100.0000	0324.6	105.5	131.5	019.4750	0099.9	079.5	47.09
049.0	100.0000	0337.7	106.4	131.0	019.4750	0099.8	081.5	46.54
050.0	100.0000	0350.9	107.4	130.6	019.4750	0099.7	083.5	45.98
051.0	100.0000	0363.1	108.3	130.2	019.4750	0099.6	085.5	45.42
052.0	100.0000	0373.7	109.1	129.9	019.4750	0099.5	087.5	44.85
053.0	100.0000	0382.2	109.8	129.7	019.4750	0099.4	089.6	44.30
054.0	100.0000	0389.2	110.4	129.6	019.4750	0099.4	091.6	43.76
055.0	100.0000	0396.7	111.1	129.6	019.4750	0099.4	093.6	43.23
056.0	100.0000	0402.3	111.6	129.6	019.4750	0099.4	095.6	42.72
057.0	100.0000	0405.7	111.9	129.8	019.4750	0099.4	097.6	42.25
058.0	100.0000	0409.0	112.2	130.0	019.4750	0099.5	099.5	41.79
059.0	100.0000	0412.3	112.5	130.2	019.4750	0099.6	101.5	41.35
060.0	100.0000	0414.6	112.7	130.4	019.4750	0099.6	103.4	40.93
061.0	100.0000	0416.1	112.8	130.7	019.4750	0099.7	105.3	40.53
062.0	100.0000	0417.4	112.9	131.0	019.4750	0099.8	107.2	40.15
063.0	100.0000	0418.3	113.0	131.4	019.4750	0099.9	109.0	39.78
064.0	100.0000	0419.0	113.1	131.7	019.4750	0099.9	110.9	39.42
065.0	100.0000	0419.4	113.1	132.1	019.4750	0099.9	112.7	39.08
066.0	100.0000	0419.8	113.1	132.5	019.4750	0099.9	114.5	38.75
067.0	100.0000	0420.0	113.2	132.9	019.4750	0099.8	116.3	38.43
068.0	100.0000	0420.2	113.2	133.3	019.4750	0099.9	118.1	38.12
069.0	100.0000	0420.3	113.2	133.7	019.4750	0099.8	119.9	37.81