

2026 Headwaters Rally

Saturday, May 16, 2026



Main Route Book

Competitor Edition



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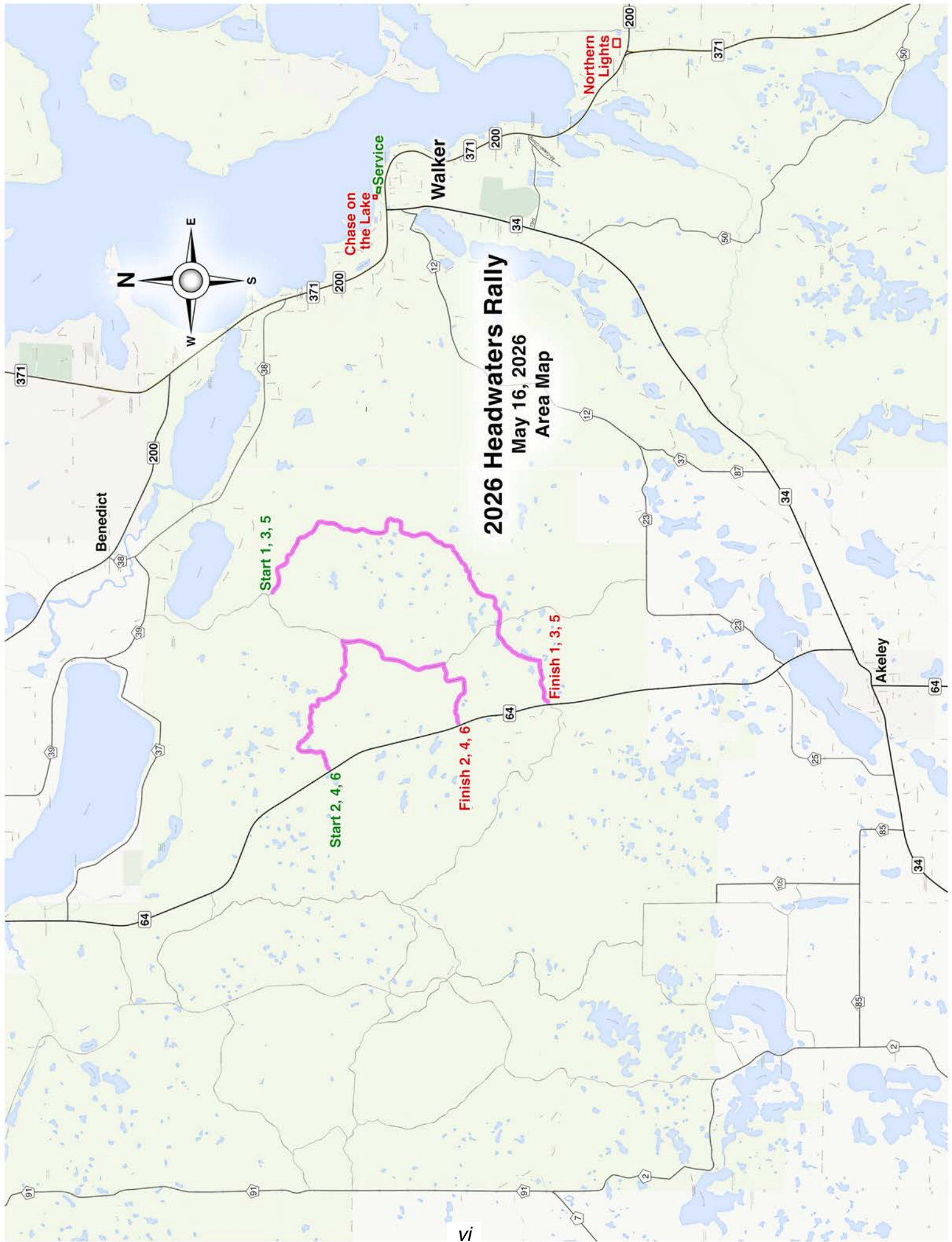
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2026 Headwaters Rally

Competition Itinerary

20 cars

START Leg 1				Saturday, May 16, 2026			
TC	LOCATION	SS DIST	TRANSIT DIST	TOTAL DIST	LATENESS TIME	TRANSIT TIME	FIRST CAR DUE
0A	MTC 1 Chase on the Lake						14:00
	Distance to next refuel	(22.56)	(51.82)	(74.38)			
1	Transit to SS #1		10.28	10.28		0:19	14:19
SS #1	Steamboat	6.26	0.26		0:10		14:22
2	Transit to SS #2		3.29	9.81		0:10	14:42
SS #2	Kabekona	5.02	0.22		0:08		14:45
3	Transit to SS #3		14.09	19.33		0:27	15:20
SS #3	Steamboat	6.26	0.26		0:10		15:23
4	Transit to SS #4		3.29	9.81		0:10	15:43
SS #4	Kabekona	5.02	0.22		0:08		15:46
	Transit to Walker		19.91	25.15		0:35	16:29
4A	Service In Chase on the Lake						16:29
4B	Walker Service					0:45	17:14
RZ 1	Refuel (time is added to next transit)						
	Distance to next refuel	(11.28)	(33.94)	(45.22)			
5	Transit to SS #5		10.26	10.26		0:25	17:39
SS #5	Steamboat	6.26	0.26		0:10		17:42
6	Transit to SS #6		3.29	9.81		0:10	18:02
SS #6	Kabekona	5.02	0.22		0:08		18:05
	Transit to Walker		19.91	25.15		0:35	18:48
6A	MTC 2 Chase on the Lake						18:48
Leg 1 Totals		33.84	85.76	119.60			



Route Book Glossary

Controls



ATC, MTC or RGC.



FTC.



Start flag.

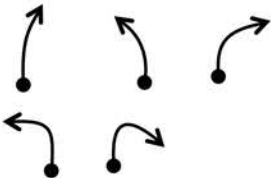


Finish flag.

Curves



Straight. In all road/intersection tulips, the dot shows where you enter the tulip, and the arrow shows where you leave it.



Curves of increasing severity. Don't try to infer an exact radius from the tulip. The tulips show the severity of curves relative to each other. Unless indicated otherwise, mileage is measured at the turn-in point.



Dog leg curves of increasing severity.



Combinations.

Surfaces



Dashed line indicates an inferior road: Narrower or of an inferior surface. This tulip could be used for "road narrows" or "pavement ends".



Straight onto superior surface. Could be used for "road widens" or "pavement begins".

Intersections/Junctions



Turn on sideroad.



Turn on inferior sideroad.



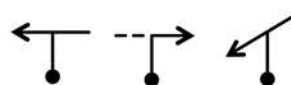
Straight at sideroad, showing some inferior roads.



Angle indicates angle of sideroad.



Curves with sideroads. When a curve is combined with one or more intersections, the mileage is measured at the first intersection, unless stated otherwise.



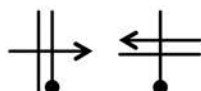
T intersections.



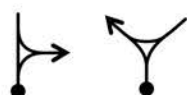
Y intersections.



Crossroads.

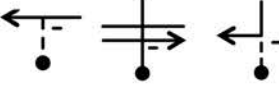


Double line indicates divided highway.



Deltas. Take the short way around unless indicated otherwise.

Signs and Landmarks

	Signs. Usually quoted in the route book, such as “Stop Ahead”.
	Unless indicated otherwise, a sign at an intersection indicates a stop or yield sign.
	Buildings or other structures.
	Trees or other obstacles. Route book will indicate the type of obstacle.
	Bridge, gate or other restriction.
	Action points. Usually a crest or a dip. Mileages always reference the action point. The route book will specify the action point, such as “after crest”, or “mileage at dip”.
	Use caution! Caution level indicates difficulty of the road and the severity of consequence for making a mistake. Used for yumps, severe drops, off camber turns, obstacles, etc.
! Take Care	Use caution when approaching.
!! Danger	Slow to avoid serious vehicle damage.
!!! Extreme Danger	Slow significantly to avoid serious vehicle damage or personal injury.
	All cautions will be marked on course by a single downward-pointing course arrow.
	Open areas. No treeline to follow.

Official Mileages

Mileages in the overall and interval columns are measured to 3 and truncated to 2 decimal places. Given two consecutive instructions measured at 5.327 and 5.461 miles, they would appear in the route book at 5.32 and 5.46 miles. The interval between the two would be .134 miles, and would appear in the interval column as .13 miles, not the .14 miles you might assume.

This represents the mileage exactly as you would see it on a digital odometer with 2 decimal places. Do not worry that the truncated numbers don't seem to add up. They do! It's just that they're truncated after doing the math, just like on a real odometer.

Route Book Additions

Here are some examples of route book features in addition to those described in the rule book:

6	6.13	0.69	!			Spectators Off camber!		10.73
		1.20!			46.42243		-88.78332	

ATC 1

Time

Radio symbol - Indicates location of mid-stage radio marshal.

Intersection number - Matched to intersection numbers on provided maps.

GPS - Longitude and latitude of this tulip (where given)

Red cross - Identifies midpoint medical location.

Tulip caution - Additional caution symbol for emphasis.

Next page caution - At bottom of page, indicates caution in first tulip on following page.

A convenient place to record your time at controls, starts and finishes.

Speed change (transits only) - Indicates change of speed limit

Speed limit (transits only) - Indicates legal speed limit or transit speed limit, whichever is lower.

The following additional features appear only in organizer books:

6	6.130 6.13	0.693 0.69	!			Spectators Off camber! [Marshal M-180 3500]		10.713 10.73 Limited Time (road used again)
14:56					46.42243		-88.78332	

Organizer comments - Comments in [square brackets] are found only in the organizer books; control locations, some road names, etc.

Intersection name - Matched to worker maps.

Banner tulip (banner book only) - Indicates that a tulip needs bannering. Dotted lines show roads to banner. Details on special bannering map, where indicated.

Organizer caution - Marks tulips that need to have a caution arrow posted.

Mileage measurement to 3 decimal places.

First car due - Scheduled time for first rally car to pass this point.

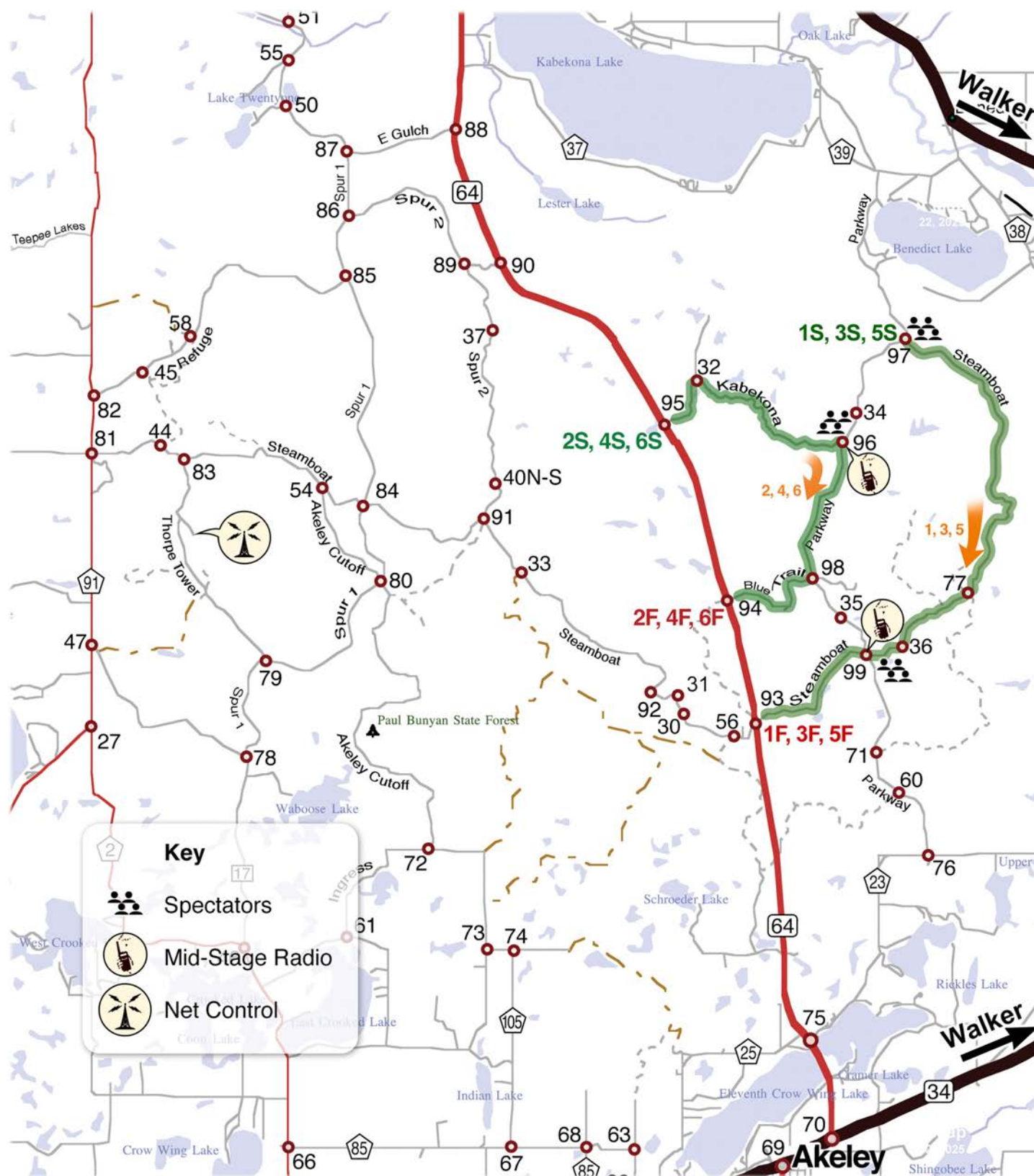
Sweep condition - Indicates how much time available for extractions as defined in the organizer book.

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Main Route Book, Competitor Edition

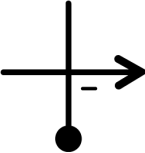
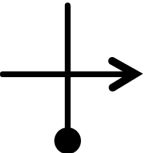
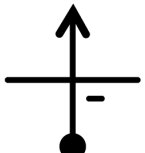
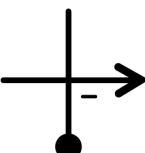
Rally Map: All Stages



Transit to SS #1

Distance: 10.28 miles

Transit time: 19 minutes

INST	MILEAGE	INTERVAL	TULIP	COMMENT	DECR
1	0.00	0.00		MTC Out Speed limit 30	10.28
		30		47.10277 -94.58175	
Note: The MTC/Service Out is at the northwest end of the service area, in front of the rest rooms.					
2	0.01	0.01		5th St	10.27
		30		47.10278 -94.58216	
3	0.02	0.01		Railroad Av	10.26
		30		47.10297 -94.58219	
4	0.09	0.06		4th St	10.20
		30			
5	0.24	0.15		2nd St	10.04
		30		47.10218 -94.57764	
6	0.27	0.02		MN 200, 371, Minnesota Av (unmarked)	10.02
		30		47.10178 -94.57778	
7	0.47	0.19		5th St	9.82
		30		47.10180 -94.58208	
8	0.70	0.22		MN 34	9.59
		30		47.10150 -94.58683	
		0.15			

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Transit to SS #1

Distance: 10.28 miles

Transit time: 19 minutes

INST	MILEAGE	INTERVAL	TULIP	COMMENT	DECR
9	0.85	0.15		Speed limit 40	9.44
10	1.15	0.30		Speed limit 60	9.13
11	2.85	1.70		County 38 Speed limit 55	7.43
12	7.37	4.51		County 39	2.91
13	8.25	0.88		Parkway Begin quiet zone Speed limit 30	2.03
14	8.94	0.68		Ladyslipper Dr	1.34
15	9.40	0.46		Ladyslipper End quiet zone Speed limit 40 Watch for spectator traffic	0.88
16	10.26	0.86		Steamboat	0.02
		0.02			

Transit to SS #1

Distance: 10.28 miles

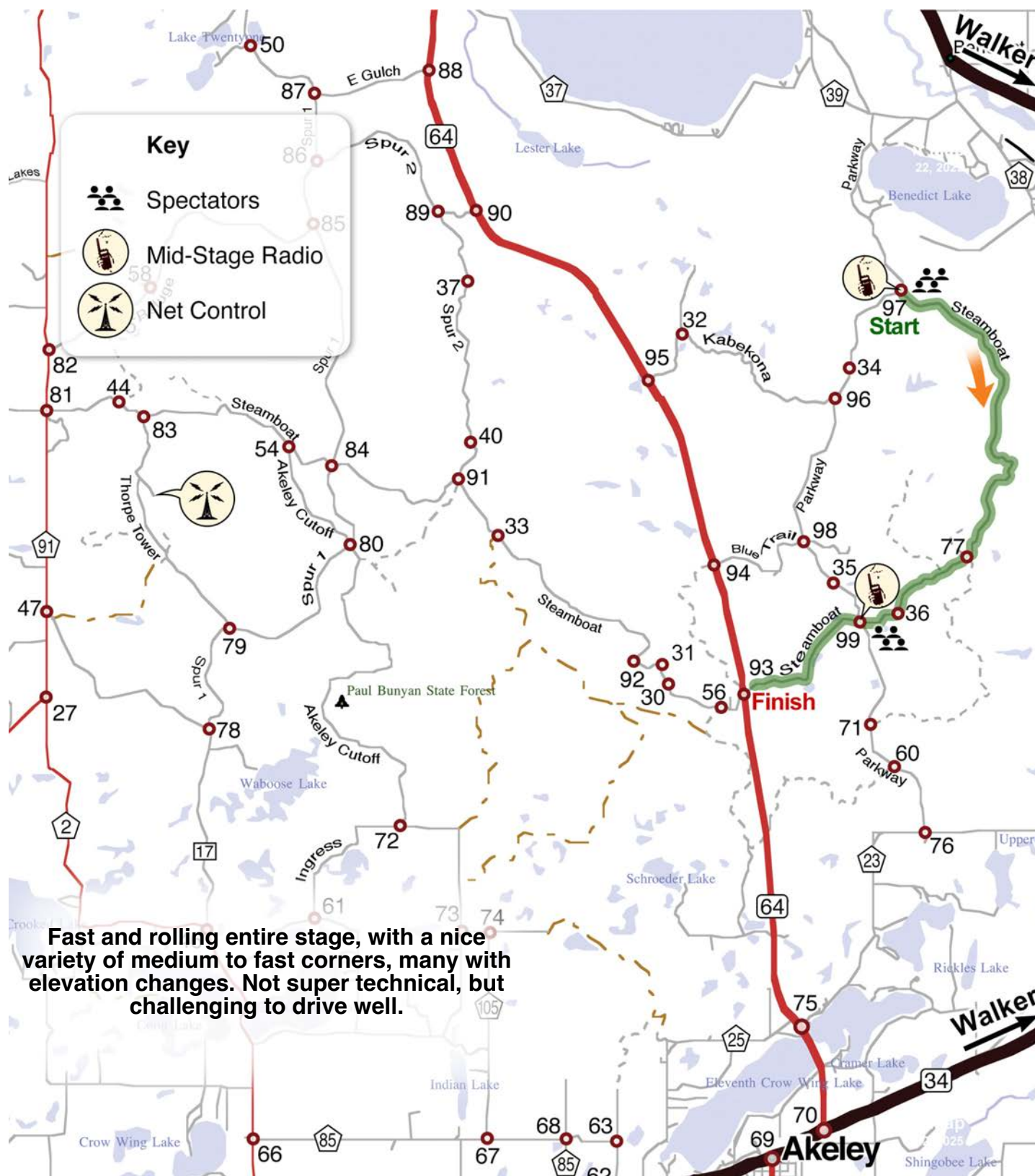
Transit time: 19 minutes

INST	MILEAGE	INTERVAL	TULIP	COMMENT	DECR
17	10.28	0.02		ATC 1	0.00
		40		47.12503-94.70030	
18	10.28	0.00		Follow marshals' instructions Line up on left	
19	10.32	0.03		Start	
				47.12460-94.70005	

Distance: 6.26 miles

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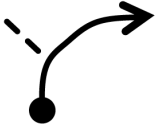
Lateness: 10 minutes



SS #1 Steamboat

Distance: 6.26 miles

Lateness: 10 minutes

INST	MILEAGE	INTERVAL	TULIP	COMMENT	DECR
1	0.00	0.03		Start 47.12460 -94.70005	6.26
2	0.88	0.87		Mileage at crest	5.39
3	2.47	1.59		Double apex 47.10122 -94.67817	3.79
4	3.30	0.82		Mileage at sideroad 47.09203 -94.68387	2.96
5	3.40	0.09		(trees at exit) 47.09051 -94.68490	2.87
6	3.41	0.01		47.09037 -94.68497	2.86
7	5.00	1.59		Possible yump! Spectators 47.07902 -94.70921	1.27
8	5.45	0.45		!	0.81
		0.40	!		

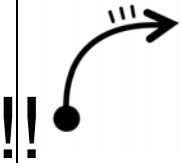
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SS #1 Steamboat

Distance: 6.26 miles

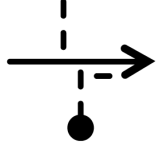
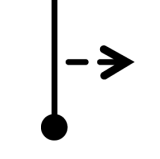
Lateness: 10 minutes

INST	MILEAGE	INTERVAL	TULIP	COMMENT	DECR
9	5.85	0.40		Dropoff at exit!!	0.41
10	6.26	0.41		Finish	0.00
				47.07021 -94.72777	
11	6.49	0.22		FTC 1	
				47.06911 -94.73187	

Transit to SS #2

Distance: 3.29 miles

Transit time: 10 minutes

INST	MILEAGE	INTERVAL	TULIP	COMMENT	DECR
12	6.49	0.00		FTC 1	3.29
		40		47.06911 -94.73187	
13	6.53	0.03		MN 64 Speed limit 60	3.25
		60		47.06891 -94.73264	
14	9.72	3.18		Kabekona Speed limit 40	0.06
		40		47.11271 -94.75199	
15	9.78	0.06		ATC 2	0.00
		40		47.11341 -94.75100	
16	9.88	0.09		Start	
				47.11371 -94.74914	

Distance: 5.02 miles

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Lateness: 8 minutes



SS #2 Kabekona

Distance: 5.02 miles

Lateness: 8 minutes

INST	MILEAGE	INTERVAL	TULIP	COMMENT	DECR
1	0.00	0.09		Start	5.02
				47.11371 -94.74914	
2	0.18	0.18		Downhill exit	4.84
				47.11528 -94.74653	
3	0.51	0.32			4.51
				47.11950 -94.74517	
4	0.82	0.30		Downhill	4.20
5	0.96	0.13			4.07
				47.11667 -94.73800	
6	1.35	0.39			3.67
				47.11522 -94.73133	
7	1.66	0.30			3.36
				47.11138 -94.72870	
8	2.01	0.34		Double apex	3.01
				47.11045 -94.72247	
		0.41			

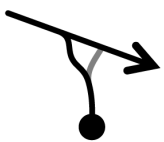
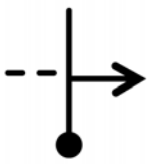
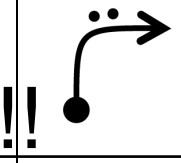
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SS #2 Kabekona

Distance: 5.02 miles

Lateness: 8 minutes

INST	MILEAGE	INTERVAL	TULIP	COMMENT	DECR
9	2.42	0.41		 Long way around Spectators  47.11024 -94.71444	2.60
10	3.12	0.69		47.10237 -94.71843	1.91
11	3.70	0.58		(exposure with tree at exit) 47.09439 -94.72202	1.32
12	3.85	0.15		Over crest	1.17
13	4.02	0.16		98 47.09008 -94.72062	1.00
14	4.48	0.46		(trees at exit) 47.08643 -94.72499	0.54
15	4.51	0.02		Trees at exit!! 47.08620 -94.72512	0.51
16	5.02	0.50		Finish 47.08777 -94.73458	0.00
		0.12			

SS #2 Kabekona

Distance: 5.02 miles

Lateness: 8 minutes

INST	MILEAGE	INTERVAL	TULIP	COMMENT		DECR
17	5.15	0.12		47.08735	FTC 2 -94.73748	

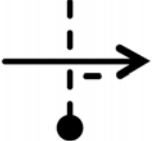
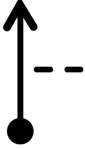
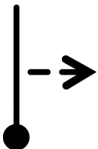
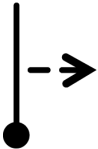
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Transit to SS #3

Distance: 14.09 miles

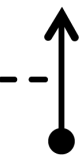
Transit time: 27 minutes

INST	MILEAGE	INTERVAL	TULIP	COMMENT	DECR
18	5.15	0.00		FTC 2	14.09
		40		47.08735 -94.73748	
19	5.21	0.06		MN 64 Speed limit 60	14.03
		60		47.08681 -94.73868	
20	7.13	1.91		Kabekona	12.11
		60		47.11271 -94.75199	
21	9.61	2.47		Spur 2	9.63
		60		47.13672 -94.78821	
22	11.67	2.06		County 37 Begin quiet zone Speed limit 35	7.57
		35		47.16550 -94.79640	
23	16.35	4.68		County 39 End quiet zone Speed limit 55	2.89
		55		47.15800 -94.71888	
24	17.21	0.85		Parkway Begin quiet zone Speed limit 30	2.03
		30		47.15000 -94.70633	
25	17.90	0.68		Ladyslipper Dr	1.34
		30			
		0.46			

Transit to SS #3

Distance: 14.09 miles

Transit time: 27 minutes

INST	MILEAGE	INTERVAL	TULIP	COMMENT	DECR
26	18.36	0.46		Ladyslipper End quiet zone Speed limit 40 Watch for spectator traffic	0.88
27	19.22	0.86		97	0.02
28	19.24	0.02		ATC 3	0.00
29	19.25	0.00		Follow marshals' instructions Line up on left	
30	19.28	0.03		Start	

SS #3, 5 Steamboat
Distance: 6.26 miles

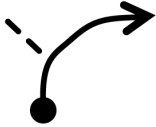
Lateness: 10 minutes



SS #3, 5 Steamboat

Distance: 6.26 miles

Lateness: 10 minutes

INST	MILEAGE	INTERVAL	TULIP	COMMENT	DECR
1	0.00	0.03		Start 47.12460 -94.70005	6.26
2	0.88	0.87		Mileage at crest	5.39
3	2.47	1.59		Double apex 47.10122 -94.67817	3.79
4	3.30	0.82		Mileage at sideroad 47.09203 -94.68387	2.96
5	3.40	0.09		(trees at exit) 47.09051 -94.68490	2.87
6	3.41	0.01		47.09037 -94.68497	2.86
7	5.00	1.59	 !	Possible yump! Spectators 47.07902 -94.70921	1.27
8	5.45	0.45	 !	!	0.81
		0.40			

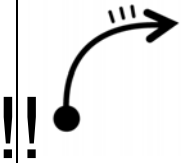
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SS #3, 5 Steamboat

Distance: 6.26 miles

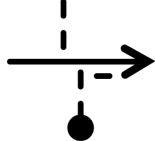
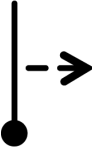
Lateness: 10 minutes

INST	MILEAGE	INTERVAL	TULIP	COMMENT	DECR
9	5.85	0.40		Dropoff at exit!!	0.41
10	6.26	0.41		Finish	0.00
				47.07021 -94.72777	
11	6.49	0.22		FTC 3, 5	
				47.06911 -94.73187	

Transit to SS #4, 6

Distance: 3.29 miles

Transit time: 10 minutes

INST	MILEAGE	INTERVAL	TULIP	COMMENT	DECR
12	6.49	0.00		FTC 3, 5	3.29
		40		47.06911 -94.73187	
13	6.53	0.03		MN 64 Speed limit 60	3.25
		60		47.06891 -94.73264	
14	9.72	3.18		Kabekona Speed limit 40	0.06
		40		47.11271 -94.75199	
15	9.78	0.06		ATC 4, 6	0.00
		40		47.11341 -94.75100	
16	9.88	0.09		Start	
				47.11371 -94.74914	

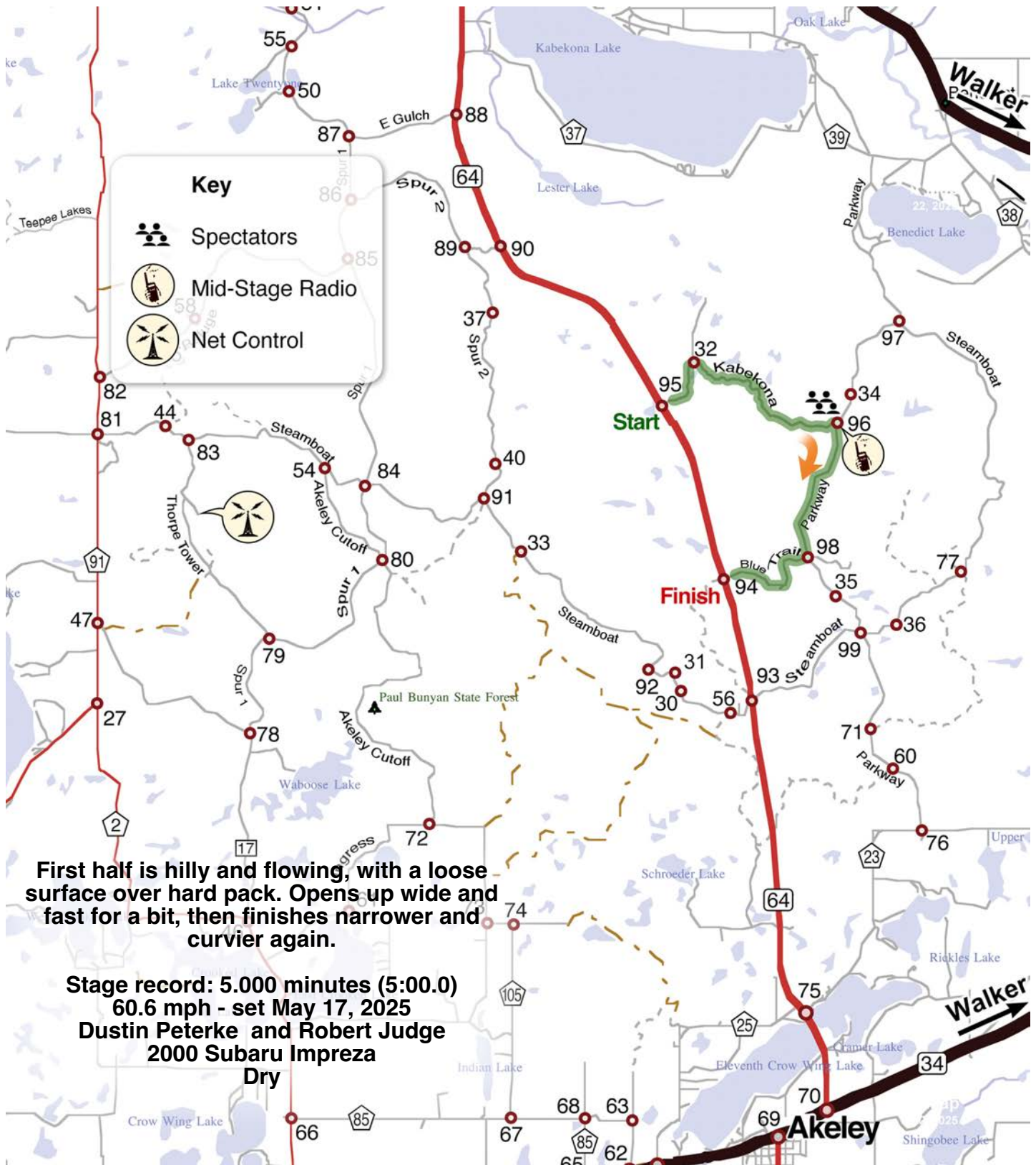
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SS #4, 6 Spur 2

Distance: 5.02 miles

Lateness: 8 minutes



SS #4, 6 Spur 2

Distance: 5.02 miles

Lateness: 8 minutes

INST	MILEAGE	INTERVAL	TULIP	COMMENT	DECR
1	0.00	0.09		Start	5.02
				47.11371 -94.74914	
2	0.18	0.18		Downhill exit	4.84
				47.11528 -94.74653	
3	0.51	0.32			4.51
				47.11950 -94.74517	
4	0.82	0.30		Downhill	4.20
5	0.96	0.13			4.07
				47.11667 -94.73800	
6	1.35	0.39			3.67
				47.11522 -94.73133	
7	1.66	0.30			3.36
				47.11138 -94.72870	
8	2.01	0.34		Double apex	3.01
				47.11045 -94.72247	
		0.41			

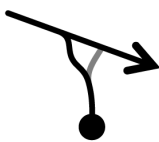
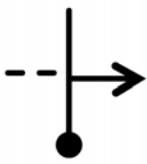
2026 Headwaters Rally

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SS #4, 6 Spur 2

Distance: 5.02 miles

Lateness: 8 minutes

INST	MILEAGE	INTERVAL	TULIP	COMMENT	DECR
9	2.42	0.41		 Long way around Spectators  ⁹⁶	2.60
				47.11024 -94.71444	
10	3.12	0.69			1.91
				47.10237 -94.71843	
11	3.70	0.58		(exposure with tree at exit)	1.32
				47.09439 -94.72202	
12	3.85	0.15		Over crest	1.17
13	4.02	0.16			1.00
				47.09008 -94.72062	
14	4.48	0.46		(trees at exit)	0.54
				47.08643 -94.72499	
15	4.51	0.02		Trees at exit!!	0.51
			!!	47.08620 -94.72512	
16	5.02	0.50		Finish	0.00
				47.08777 -94.73458	
		0.12			

SS #4, 6 Spur 2

Distance: 5.02 miles

Lateness: 8 minutes

INST	MILEAGE	INTERVAL	TULIP	COMMENT		DECR
17	5.15	0.12		47.08735	FTC 4, 6 -94.73748	

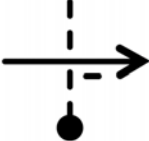
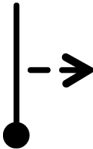
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Transit to Walker

Distance: 19.91 miles

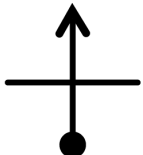
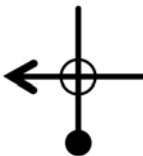
Transit time: 35 minutes

INST	MILEAGE	INTERVAL	TULIP	COMMENT	DECR
18	5.15	0.00		FTC 4, 6	19.91
		40		47.08735 -94.73748	
19	5.21	0.06		MN 64 Speed limit 60	19.85
		60		47.08681 -94.73868	
20	9.61	4.39		Spur 2	15.45
		60		47.13672 -94.78821	
21	11.67	2.06		County 37 Begin quiet zone Speed limit 35	13.39
		35		47.16550 -94.79640	
22	16.35	4.68		County 39 End quiet zone Speed limit 55	8.71
		55		47.15800 -94.71888	
23	18.10	1.74		County 38	6.97
		55		47.15200 -94.68895	
24	22.62	4.51		MN 200, 371 Speed limit 60	2.45
		60		47.12179 -94.61306	
25	24.32	1.70		Speed limit 40	0.74
		40			
		0.32			

Transit to Walker

Distance: 19.91 miles

Transit time: 35 minutes

INST	MILEAGE	INTERVAL	TULIP	COMMENT	DECR
26	24.64	0.32		Speed limit 30	0.42
27	24.77	0.12		MN 34	0.29
28	24.94	0.16		6th St	0.12
29	25.00	0.05		5th St	0.06
30	25.06	0.06		First time, Service In Second time, MTC in	0.00

2026 Headwaters Rally

Walker Service

Distance: 0.00 miles



Walker Service

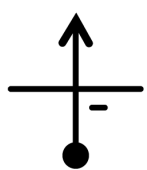
Distance: 0.00 miles

INST	MILEAGE	INTERVAL	TULIP	COMMENT	DECR
31	25.06	0.00		45 minute service	0.00

Transit to SS #5

Distance: 0.02 miles

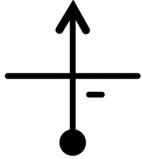
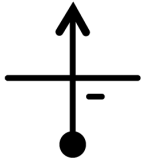
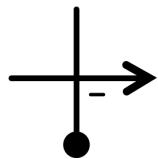
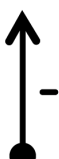
Transit time: 1 minutes

INST	MILEAGE	INTERVAL	TULIP	COMMENT	DECR
1	0.00	0.00		Service Out Speed limit 30 47.10277 -94.58175	0.02
Note: The MTC/Service Out is at the northwest end of the service area, in front of the rest rooms.					
2	0.01	0.01		5th St 809 47.10278 -94.58216	0.01
3	0.02	0.01		Refuel zone 5 minutes Follow marshals' instructions 47.10279 -94.58234	0.00

Transit to SS #5

Distance: 10.26 miles

Transit time: 18 minutes

INST	MILEAGE	INTERVAL	TULIP	COMMENT	DECR
1	0.00	0.00		End refuel Zero your odometer	10.27
Note: Leave the parking lot heading south on Railroad Av					
2	0.01	0.01		5th St	10.26
3	0.07	0.06		4th St	10.20
4	0.23	0.15		2nd St	10.04
5	0.25	0.02		MN 200, 371, Minnesota Av (unmarked)	10.02
6	0.45	0.19		5th St	9.82
7	0.68	0.23		MN 34	9.59
8	0.83	0.15		Speed limit 40	9.44
		0.30			

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Transit to SS #5

Distance: 10.26 miles

Transit time: 18 minutes

INST	MILEAGE	INTERVAL	TULIP	COMMENT	DECR
9	1.14	0.30		Speed limit 60	9.13
10	2.84	1.70		County 38 Speed limit 55	7.43
11	7.36	4.51		County 39	2.91
12	8.24	0.88		Parkway Begin quiet zone Speed limit 30	2.03
13	8.93	0.68		Ladyslipper Dr	1.34
14	9.39	0.46		Ladyslipper End quiet zone Speed limit 40 Watch for spectator traffic	0.88
15	10.25	0.85		Steamboat	0.02
16	10.27	0.02		ATC 5 Turn back to competitor book page 15 or organizer book page 23 for stage 5	0.00