

# CAYUGA-SENECA CANAL

## CAYUGA-SENECA CANAL LOCKS (Statute Miles)

Lock #	(SM) Mile Marker	Location	Lift	Elevation (Feet)		Next Lock	(SM) Distance	Transit Time @ 10.0 MPH	Lockmaster Phone
Erie Canal Junction	0.00	Kipp Island, NY	0.0'	374.0'		CS1	3.97	00:24	
CS1	4.04	Cayuga, NY	7.5' (SB↑ NB↓)	374.0'	381.5'	CS2	3.97	00:24	(315) 253-7523
CS2	8.01	Seneca Falls, NY	24.5' (WB↑ EB↓)	381.5'	406.0'	CS3	0.07	00:00	(315) 568-5797
CS3	8.08	Seneca Falls, NY	24.5' (WB↑ EB↓)	406.0'	430.5'	CS4	4.23	00:25	(315) 568-5797
CS4	12.31	Waterloo, NY	14.5' (WB↑ EB↓)	430.5'	445.0'	Seneca Lake	5.00	00:30	(315) 539-3242

## CAYUGA-SENECA CANAL LOCKS (Nautical Miles)

Lock #	(NM) Mile Marker	Location	Lift	Lower	Upper	Next Lock	(NM) Distance	@ 8.7 Knots	Lockmaster Phone
Erie Canal Junction	0.00	Kipp Island, NY	0.0'	374.0'		CS1	3.45	00:24	
CS1	3.51	Cayuga, NY	7.5' (SB↑ NB↓)	374.0'	381.5'	CS2	3.45	00:24	(315) 253-7523
CS2	6.96	Seneca Falls, NY	24.5' (WB↑ EB↓)	381.5'	406.0'	CS3	0.06	00:00	(315) 568-5797
CS3	7.02	Seneca Falls, NY	24.5' (WB↑ EB↓)	406.0'	430.5'	CS4	3.68	00:25	(315) 568-5797
CS4	10.70	Waterloo, NY	14.5' (WB↑ EB↓)	430.5'	445.0'	Seneca Lake	4.34	00:30	(315) 539-3242

# CAYUGA-SENECA CANAL

## CAYUGA-SENECA CANAL LOCKS (Kilometers)

Lock #	(KM) Mile Marker	Location	Lift	Elevation (Meters)		Next Lock	(KM)	Transit Time	Lockmaster Phone
	Lower			Upper	Distance		@ 16.1 KPH		
Erie Canal Junction	0.00	Kipp Island, NY	0.0'	114 m		CS1	6.39	00:24	
CS1	6.50	Cayuga, NY	2.3m (SB↑ NB↓)	114 m	116.3 m	CS2	6.39	00:24	(315) 253-7523
CS2	12.89	Seneca Falls, NY	7.3m (WB↑ EB↓)	116.3 m	123.7 m	CS3	0.11	00:00	(315) 568-5797
CS3	13.00	Seneca Falls, NY	7.3m (WB↑ EB↓)	123.7 m	131.2 m	CS4	6.81	00:25	(315) 568-5797
CS4	19.81	Waterloo, NY	4.3m (WB↑ EB↓)	131.2 m	135.6 m	Seneca Lake	8.05	00:30	(315) 539-3242

# CAYUGA-SENECA CANAL

## CAYUGA-SENECA CANAL BRIDGES AND CLEARANCES (Statute Miles)

(SM) Marker	Bridge ID	Normal Pool Level	Normal Pool Vertical Clearance		Maximum Pool Level	Maximum Pool Vertical Clearance	
0.54	Bridge, S-1A, NYS Thruway, I-90	374.00	26.40	26' 4.8"	380.00	20.20	20' 2.4"
2.97	Bridge S-1, US 20 & SR 5	374.00	21.60	21' 7.2"	380.00	15.60	15' 7.2"
4.07	Guard Gate-CS1	383.50	17.50	17' 6"	384.00	17.00	17' 0"
4.21	Bridge S-2, railroad, FGLK	383.50	17.05	17' 0.6"	384.00	16.55	16' 6.6"
5.70	Bridge S-3, SR 89	383.50	16.00	16' 0"	384.00	15.50	15' 6"
5.99	Bridge S-4, railroad, FGLK	383.50	17.30	17' 3.6"	384.00	16.80	16' 9.6"
8.01	Bridge S-5, catwalk (Lock CS2)	406.00	29.40	29' 4.8"	406.00	29.40	29' 4.8"
8.08	Guard Gate-CS3)	430.50	17.00	17' 0"	431.50	16.00	16' 0"
8.65	Bridge S-6, Ovid St, SR 414	430.50	16.85	16' 10.2"	431.85	15.50	15' 6"
8.90	Bridge S-7, Bridge St	430.50	16.95	16' 11.4"	431.85	15.60	15' 7.2"
9.16	Bridge S-8, Veterans Bridge (Rumsey St)	430.50	17.00	17' 0"	432.00	15.50	15' 6"
10.85	Bridge S-9, Mound Rd (River Rd conn)	430.50	17.65	17' 7.8"	432.65	15.50	15' 6"
11.71	Bridge S-10, Gorham St	430.50	17.75	17' 9"	432.75	15.50	15' 6"
12.26	Bridge S-11, Washington St, SR 96	430.50	17.40	17' 4.8"	432.40	15.50	15' 6"
12.28	Bridge S-11A, catwalk-CS4	430.50	22.00	22' 0"	432.40	20.10	20' 1.2"
12.35	Guard Gate-CS4	445.00	17.00	17' 0"	446.70	15.30	15' 3.6"
16.91	Bridge S-12, gas pipelines	445.00	20.21	20' 2.52"	446.70	18.51	18' 6.12"
16.95	Bridge S-13, abandoned railroad	445.00	17.20	17' 2.4"	446.70	15.50	15' 6"
17.00	Bridge S-13A, SR 96A	445.00	17.50	17' 6"	446.70	15.80	15' 9.6"
17.02	Bridge S-14, railroad, FGLK	445.00	17.30	17' 3.6"	446.70	15.60	15' 7.2"
Seneca Lake - No Overhead Obstructions							
51.78	Bridge S-15, E 4th St, SR 414	445.00	17.50	17' 6"	447.00	15.50	15' 6"

# CAYUGA-SENECA CANAL

## CAYUGA-SENECA CANAL BRIDGES AND CLEARANCES (Nautical Miles)

(NM) Marker	Bridge ID	Normal Pool Level	Normal Pool		Maximum Pool Level	Maximum Pool	
			Vertical Clearance			Vertical Clearance	
0.47	Bridge, S-1A, NYS Thruway, I-90	374.00	26.40	26' 4.8"	380.00	20.20	20' 2.4"
2.58	Bridge S-1, US 20 & SR 5	374.00	21.60	21' 7.2"	380.00	15.60	15' 7.2"
3.54	Guard Gate-CS1	383.50	17.50	17' 6"	384.00	17.00	17' 0"
3.66	Bridge S-2, railroad, FGLK	383.50	17.05	17' 0.6"	384.00	16.55	16' 6.6"
4.95	Bridge S-3, SR 89	383.50	16.00	16' 0"	384.00	15.50	15' 6"
5.21	Bridge S-4, railroad, FGLK	383.50	17.30	17' 3.6"	384.00	16.80	16' 9.6"
6.96	Bridge S-5, catwalk (Lock CS2)	406.00	29.40	29' 4.8"	406.00	29.40	29' 4.8"
7.02	Guard Gate-CS3)	430.50	17.00	17' 0"	431.50	16.00	16' 0"
7.52	Bridge S-6, Ovid St, SR 414	430.50	16.85	16' 10.2"	431.85	15.50	15' 6"
7.73	Bridge S-7, Bridge St	430.50	16.95	16' 11.4"	431.85	15.60	15' 7.2"
7.96	Bridge S-8, Veterans Bridge (Rumsey St)	430.50	17.00	17' 0"	432.00	15.50	15' 6"
9.43	Bridge S-9, Mound Rd (River Rd conn)	430.50	17.65	17' 7.8"	432.65	15.50	15' 6"
10.18	Bridge S-10, Gorham St	430.50	17.75	17' 9"	432.75	15.50	15' 6"
10.65	Bridge S-11, Washington St, SR 96	430.50	17.40	17' 4.8"	432.40	15.50	15' 6"
10.67	Bridge S-11A, catwalk-CS4	430.50	22.00	22' 0"	432.40	20.10	20' 1.2"
10.73	Guard Gate-CS4	445.00	17.00	17' 0"	446.70	15.30	15' 3.6"
14.69	Bridge S-12, gas pipelines	445.00	20.21	20' 2.52"	446.70	18.51	18' 6.12"
14.73	Bridge S-13, abandoned railroad	445.00	17.20	17' 2.4"	446.70	15.50	15' 6"
14.77	Bridge S-13A, SR 96A	445.00	17.50	17' 6"	446.70	15.80	15' 9.6"
14.79	Bridge S-14, railroad, FGLK	445.00	17.30	17' 3.6"	446.70	15.60	15' 7.2"
Seneca Lake - No Overhead Obstructions							
45.00	Bridge S-15, E 4th St, SR 414	445.00	17.50	17' 6"	447.00	15.50	15' 6"

# CAYUGA-SENECA CANAL

## CAYUGA-SENECA CANAL BRIDGES AND CLEARANCES (Kilometers)

(KM) Marker	Bridge ID	Normal Pool Level		Normal Pool		Maximum Pool Level		Maximum Pool	
				Vertical Clearance				Vertical Clearance	
0.87	Bridge, S-1A, NYS Thruway, I-90	114.00	meters	8.05	meters	115.82	meters	6.16	meters
4.78	Bridge S-1, US 20 & SR 5	114.00	meters	6.58	meters	115.82	meters	4.75	meters
6.55	Guard Gate-CS1	116.89	meters	5.33	meters	117.04	meters	5.18	meters
6.78	Bridge S-2, railroad, FGLK	116.89	meters	5.20	meters	117.04	meters	5.04	meters
9.17	Bridge S-3, SR 89	116.89	meters	4.88	meters	117.04	meters	4.72	meters
9.64	Bridge S-4, railroad, FGLK	116.89	meters	5.27	meters	117.04	meters	5.12	meters
12.89	Bridge S-5, catwalk (Lock CS2)	123.75	meters	8.96	meters	123.75	meters	8.96	meters
13.00	Guard Gate-CS3)	131.22	meters	5.18	meters	131.52	meters	4.88	meters
13.92	Bridge S-6, Ovid St, SR 414	131.22	meters	5.14	meters	131.63	meters	4.72	meters
14.32	Bridge S-7, Bridge St	131.22	meters	5.17	meters	131.63	meters	4.75	meters
14.74	Bridge S-8, Veterans Bridge (Rumsey St)	131.22	meters	5.18	meters	131.67	meters	4.72	meters
17.46	Bridge S-9, Mound Rd (River Rd conn)	131.22	meters	5.38	meters	131.87	meters	4.72	meters
18.85	Bridge S-10, Gorham St	131.22	meters	5.41	meters	131.90	meters	4.72	meters
19.73	Bridge S-11, Washington St, SR 96	131.22	meters	5.30	meters	131.80	meters	4.72	meters
19.76	Bridge S-11A, catwalk-CS4	131.22	meters	6.71	meters	131.80	meters	6.13	meters
19.88	Guard Gate-CS4	135.64	meters	5.18	meters	136.15	meters	4.66	meters
27.21	Bridge S-12, gas pipelines	135.64	meters	6.16	meters	136.15	meters	5.64	meters
27.28	Bridge S-13, abandoned railroad	135.64	meters	5.24	meters	136.15	meters	4.72	meters
27.36	Bridge S-13A, SR 96A	135.64	meters	5.33	meters	136.15	meters	4.82	meters
27.39	Bridge S-14, railroad, FGLK	135.64	meters	5.27	meters	136.15	meters	4.75	meters
Seneca Lake - No Overhead Obstructions									
83.33	Bridge S-15, E 4th St, SR 414	135.64	meters	5.33	meters	136.25	meters	4.72	meters

# CAYUGA-SENECA CANAL

## CAYUGA-SENECA CANAL DISTANCES (Statute Miles)

Cayuga-Seneca Distances (Statute Miles)	Erie Canal Junction	Lock CS1	Cayuga/Seneca Lake Jct.	Lock CS2	Lock CS3	Seneca Falls, NY	Lock CS4	Waterloo, NY	Seneca Lake Entrance	Geneva, NY	Watkins Glen, NY	Ithica, NY
Erie Canal Junction	0.00	3.97	4.19	8.08	8.15	8.86	12.43	12.57	17.42	19.15	52.12	43.44
Lock CS1	3.97	0.00	0.22	3.89	3.96	4.89	8.46	8.60	13.45	15.18	48.15	39.47
Cayuga/Seneca Lake Jct.	4.19	0.22	0.00	3.67	3.74	4.67	8.24	8.38	13.23	14.96	47.93	39.25
Lock CS2	8.08	3.89	3.67	0.00	0.07	0.78	4.35	4.49	9.34	11.07	44.04	42.92
Lock CS3	8.15	3.96	3.74	0.07	0.00	0.71	4.28	4.42	9.27	11.00	43.97	42.99
Seneca Falls, NY	8.86	4.89	4.67	0.78	0.71	0.00	3.57	3.71	8.56	10.29	43.26	43.92
Lock CS4	12.43	8.46	8.24	4.35	4.28	3.57	0.00	0.14	4.99	6.72	39.69	47.49
Waterloo, NY	12.57	8.60	8.38	4.49	4.42	3.71	0.14	0.00	4.85	6.58	39.55	47.63
Seneca Lake Entrance	17.42	13.45	13.23	9.34	9.27	8.56	4.99	4.85	0.00	1.73	37.70	52.48
Geneva, NY	19.15	15.18	14.96	11.07	11.00	10.29	6.72	6.58	1.73	0.00	32.97	54.21
Watkins Glen, NY	52.12	48.15	47.93	44.04	43.97	43.26	39.69	39.55	37.70	32.97	0.00	87.18
Ithica, NY	43.44	39.47	39.25	42.92	42.99	43.92	47.49	47.63	52.48	54.21	87.18	0.00

# CAYUGA-SENECA CANAL

## CAYUGA-SENECA CANAL DISTANCES (Nautical Miles)

Cayuga-Seneca Distances (Nautical Miles)	Erie Canal Junction	Lock CS1	Cayuga/Seneca Lake Jct.	Lock CS2	Lock CS3	Seneca Falls, NY	Lock CS4	Waterloo, NY	Seneca Lake Entrance	Geneva, NY	Watkins Glen, NY	Ithaca, NY
Erie Canal Junction	0.00	3.45	3.64	7.02	7.08	7.70	10.80	10.92	15.14	16.64	45.29	37.75
Lock CS1	3.45	0.00	0.19	3.38	3.44	4.25	7.35	7.47	11.69	13.19	41.84	34.30
Cayuga/Seneca Lake Jct.	3.64	0.19	0.00	3.19	3.25	4.06	7.16	7.28	11.50	13.00	41.65	34.11
Lock CS2	7.02	3.38	3.19	0.00	0.06	0.68	3.78	3.90	8.12	9.62	38.27	37.30
Lock CS3	7.08	3.44	3.25	0.06	0.00	0.62	3.72	3.84	8.06	9.56	38.21	37.36
Seneca Falls, NY	7.70	4.25	4.06	0.68	0.62	0.00	3.10	3.22	7.44	8.94	37.59	38.17
Lock CS4	10.80	7.35	7.16	3.78	3.72	3.10	0.00	0.12	4.34	5.84	34.49	41.27
Waterloo, NY	10.92	7.47	7.28	3.90	3.84	3.22	0.12	0.00	4.21	5.72	34.37	41.39
Seneca Lake Entrance	15.14	11.69	11.50	8.12	8.06	7.44	4.34	4.21	0.00	1.50	32.76	45.60
Geneva, NY	16.64	13.19	13.00	9.62	9.56	8.94	5.84	5.72	1.50	0.00	28.65	47.11
Watkins Glen, NY	45.29	41.84	41.65	38.27	38.21	37.59	34.49	34.37	32.76	28.65	0.00	75.76
Ithaca, NY	37.75	34.30	34.11	37.30	37.36	38.17	41.27	41.39	45.60	47.11	75.76	0.00

# CAYUGA-SENECA CANAL

CAYUGA-SENECA CANAL DISTANCES (Kilometers)												
Cayuga-Seneca Distances (Kilometers)	Erie Canal Junction	Lock CS1	Cayuga/Seneca Lake Jct.	Lock CS2	Lock CS3	Seneca Falls, NY	Lock CS4	Waterloo, NY	Seneca Lake Entrance	Geneva, NY	Watkins Glen, NY	Ithica, NY
Erie Canal Junction	0.00	6.39	6.74	13.00	13.12	14.26	20.00	20.23	28.03	30.82	83.88	69.91
Lock CS1	6.39	0.00	0.35	6.26	6.37	7.87	13.62	13.84	21.65	24.43	77.49	63.52
Cayuga/Seneca Lake Jct.	6.74	0.35	0.00	5.91	6.02	7.52	13.26	13.49	21.29	24.08	77.14	63.17
Lock CS2	13.00	6.26	5.91	0.00	0.11	1.26	7.00	7.23	15.03	17.82	70.88	69.07
Lock CS3	13.12	6.37	6.02	0.11	0.00	1.14	6.89	7.11	14.92	17.70	70.76	69.19
Seneca Falls, NY	14.26	7.87	7.52	1.26	1.14	0.00	5.75	5.97	13.78	16.56	69.62	70.68
Lock CS4	20.00	13.62	13.26	7.00	6.89	5.75	0.00	0.23	8.03	10.81	63.87	76.43
Waterloo, NY	20.23	13.84	13.49	7.23	7.11	5.97	0.23	0.00	7.81	10.59	63.65	76.65
Seneca Lake Entrance	28.03	21.65	21.29	15.03	14.92	13.78	8.03	7.81	0.00	2.78	60.67	84.46
Geneva, NY	30.82	24.43	24.08	17.82	17.70	16.56	10.81	10.59	2.78	0.00	53.06	87.24
Watkins Glen, NY	83.88	77.49	77.14	70.88	70.76	69.62	63.87	63.65	60.67	53.06	0.00	140.30
Ithica, NY	69.91	63.52	63.17	69.07	69.19	70.68	76.43	76.65	84.46	87.24	140.30	0.00



# CAYUGA-SENECA CANAL

CAYUGA-SENECA CANAL SPEED LIMITS			
Canal Leg	MPH	Knots	KPH
Kipp Island (Erie Canal Junction) to Lock CS1	30.0	26.1	48.3
Lock CS1 to Lock CS2	10.0	8.7	16.1
Lock CS2 to Lock CS3	10.0	8.7	16.1
Lock CS3 to Lock CS4	10.0	8.7	16.1
Lock CS4 to Seneca Lake	10.0	8.7	16.1
Cayuga Lake to Ithaca, NY	Unlimited		
Seneca Lake to Watkins Glen, NY	Unlimited		
Except in the vicinity of locks or as otherwise posted. You are responsible for your wake!			

# CAYUGA-SENECA CANAL

## CAYUGA-SENECA TRANSIT TIMES

				Transit Times @ The Lesser of: Indicated Speeds or Posted Speed Limit		
# of Locks	Transit @ Posted Speed Limit	MPH Knots Kilometers		8.0	10.0	15.0
				7.0	8.7	13.0
				12.9	16.1	24.1
Kipp Island to Lock CS1	0	7.9 Min.		29.8 Min.	23.8 Min.	15.9 Min.
Lock CS1 to Cayuga Lake	1	31.7 Min.		31.7 Min.	31.7 Min.	31.7 Min.
Cayuga Lake to Ithica, NY	0	1.3 Hrs.		4.5 Hrs.	3.6 Hrs.	2.4 Hrs.
Lock CS1 to Lock CS2	1	43.3 Min.		49.2 Min.	43.3 Min.	43.3 Min.
Lock CS2 to Lock CS3	1	20.8 Min.		20.8 Min.	20.8 Min.	20.8 Min.
Lock CS3 to Lock CS4	1	45.7 Min.		52.1 Min.	45.7 Min.	45.7 Min.
Lock CS4 to Seneca Lake	1	49.9 Min.		57.4 Min.	49.9 Min.	49.9 Min.
Seneca Lake to Watkins Glen, NY	0	1.3 Hrs.		4.7 Hrs.	3.8 Hrs.	2.5 Hrs.

Time Through the Locks (CS1 thru CS4):

Kipp Island to Ithica, NY:

Kipp Island to Watkins Glen, NY:

2.7 Hrs.

2.0 Hrs.

4.1 Hrs.

3.0 Hrs.

5.5 Hrs.

8.2 Hrs.

2.7 Hrs.

4.5 Hrs.

6.9 Hrs.

2.7 Hrs.

3.2 Hrs.

5.4 Hrs.

# CAYUGA-SENECA CANAL

## CAYUGA-SENECA CANAL AND FINGER LAKES WX RADIO

Location	Call Sign	WX Channel	Frequency	Coverage
Ithaca, NY	WXN59	WX-6	162.500 MHz	Kipp Island, NY near Lock E25 south to Ithaca, NY via Cayuga Lake or west then south to Watkins Glen, NY via Seneca Lake.

# CAYUGA-SENECA CANAL

## CAYUGA-SENECA CANAL LOCK CHAMBER WAYPOINTS

Cayuga - Seneca Lock CS1	42° 56' 52.7" N	76° 44' 03.8" W
Cayuga - Seneca Lock CS2	42° 54' 53.3" N	76° 47' 09.6" W
Cayuga - Seneca Lock CS3	42° 54' 52.4" N	76° 47' 14.2" W
Cayuga - Seneca Lock CS4	42° 54' 04.4" N	76° 51' 49.5" W

### **NOT FOR NAVIGATION**

These waypoints are distributed in the hope that they will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. The author assumes no liability for damages arising from the use of these waypoints.