

GREAT LAKES - ST. LAWRENCE BASIN DEVELOPMENT

NAVIGATION FEATURES

Section	Total Length Ft. William to Belle Isle Miles	Average diff. in level Ft.	Average flow C.F.S.	Navigation Works						Movable Bridges (a) No.	
				Existing			Proposed				
				Canal Miles	Minimum Depth Ft.	Locks No.	Canal Miles	Minimum Depth Ft.	Locks No.		
<u>Upper Lakes Channels</u>											
Lake Superior	258.0	23	71,000	1.6	Downbound = 25 ft. Upbound = 21 ft.	1(b)	1.6	27	1(b)	1	
St. Marys River	63.0	5	174,000								
Lake Huron	219.0										
St. Clair River	39.0										
Lake St. Clair	18.0										
Detroit River	32.0	3									
Lake Erie	219.0										
Niagara River			194,000								
<u>Welland Ship Canal</u>	27.6	326		27.6	25	8	27.6	27	8	20	
<u>Lake Ontario</u>	155.4										
<u>St. Lawrence River (to Montreal)</u>											
Thousand Isd.	68.0	1									
Int. Rapids	47.0	92	237,000	12.0(c)	27	7(d)	11.2	35	3	2	
Lake St. Francis	26.0	1			14						
Soulanges	18.0	83	241,500	14.7	14	5	15.5			2	4
Lachine	24.0	46	262,000	8.7	14	5	11.2			2	2
<u>Lower St. Lawrence & Gulf</u>	1,011.0	23			32.5						
Totals	2,225.0	603		64.6		26	67.1		16	29	

Notes:- (a) Bridges - Service Bridges at Locks not included.

(b) Only 1 lock at "Sault" is required to overcome the lift of 23 feet but there are 4 locks available on U.S. Side and 1 on the Canadian Side.

(c) (d) (e) Figures shown are for downbound route only. On upbound route there are 11.5 miles additional canal, 4 more locks and 2 more bridges

Minimum Lock Dimensions on completion of Deep Waterway will be 80 ft. wide - 860 ft. long - 30 ft. depth of water on sills.