



A dual purpose 12,000 tonne docking and flat deck barge. Special features include capability to be rigidly secured on 6 X 4' dia. spuds in over 30m depth of water. It is Ocean classed. A reliable and versatile unit, the Nunavut Spirit serves the Project & Transportation fleet.

At McKeil Marine we approach each cargo movement and every service with the promise to deliver innovative marine solutions.

Since 1956 we've pushed the boundaries, becoming one of the foremost marine service providers in Canada. Customizable transportation and project solutions including marine transportation, marine construction, project cargo, salvage, towing and ship assist are available throughout the Great Lakes, St. Lawrence Seaway, East Coast and the Canadian Arctic.

## MAIN PARTICULARS

Length o.a.	400'	122 m
Breadth o.a.	105'	32 m
Moulded Depth	20'	6.1 m
Gross Tonnage	6,076 t	
Net Tonnage	1,822 t	
Year Built	1983	
Official Number	836846	
Classification	ABS	
Notation	A1, Barge	
Flag	Canada	
Year Built	1983	

## HYDROSTATIC CHART

DWT (M/T)	DRAFT (M)	DWT (S/T)	DRAFT (FEET)	DISPL (S/T,S.W.)	TPI
11739	4.0	13000	14	16000	108
10886		12000	13	15000	
9979	3.0	11000	12	14000	106
9072		10000	11	13000	
8165		9000	10	12000	
7257	2.0	8000	9	11000	104
6350		7000	8	10000	
5443	1.0	6000	7	9000	102
4536		5000	6	8000	
3629	0	4000	5	7000	100
2722		3000	4	6000	
1814	0	2000	3	5000	98
907		1000	2	4000	
	0	0	1	3000	96
			0	0	



## SPECIFICATIONS

Summer Load Line Keel Draft	14' 2.75"	4.34 m
Summer Load Line Displacement	14,776 LT	15,012 mt
Summer Load Line Deadweight	11,900 LT	12,090 mt
Lightship Draft	3' 4.25"	1.06 m
Lightship Displacement	2,876 LT	2,922 mt
Lightship LCG Forward of Transom	200.4'	61.08 m
Lightship VCG Above Baseline	12.0'	3.66 m

## LONGITUDINAL STRENGTH DATA

Maximum Allowable Still Water Bending Moments		
In Port	225,459 LT-ft	69,823 mt-m
At Sea	104,772 LT-ft	32,447 mt-m
Maximum Allowable Still Water Shear Force		
In Port	4,034 LT	4,098.73 mt
At Sea	1,897 LT	1,927.44 mt

## TRANSVERSE FRAMES

Uniform Linear Load	37,011 lbf/ft	55.81 mt/m
Point Load	178,725 lbs	81.07 mt

## TRANSVERSE BULKHEADS

Uniform Linear Load	46,488 lbf/ft	69.18 mt/m
Point Load (only over web frames)	464,878 lbf	210.87 mt

## LONGITUDINAL BULKHEADS

Uniform Linear Load	29,968 lbf/ft	44.60 mt/m
Point Load (only over web frames)	343,069 lbf	155.61 mt

## NOMINAL OVERALL DECK LOAD RATING

Counting Long'l Stiffeners	2,535 lbf/ft2	12.38 mt/m2
Counting only Frames, Rail Girders and Bhds	2,535 lbf/ft2	12.38 mt/m2

## INTERSECTION OF STRUCTURES

Transverse and Longitudinal Bulkheads	448.23 Kips	203.31 mt
Transverse Bulkhead and Side Shell	620.00 Kips	281.23 mt
Transverse Frame and Side Shell	519.80 Kips	235.78 mt
Draft Mark Locations - Forward of Transom		
Fwd Marks	322'	98.15 m
Aft Marks	78'	23.77