Station Information							
ID*	Type*	Location	Latitude*	Longitude*	Coordinate System Units	Coordinate Reference System	Coordinate Collection Method
2	Ocean	Hudson Strait	60.9729	-64.7737	decimal degrees	Unknown	GPS - Unspecified
3	Ocean	Hudson Strait	61.15	-64.8197	decimal degrees	Unknown	GPS - Unspecified
4	Ocean	Hudson Strait	62.0404	-69.6149	decimal degrees	Unknown	GPS - Unspecified
5	Ocean	Hudson Bay	64.2867	-78.2284	decimal degrees	Unknown	GPS - Unspecified
7	Ocean	Hudson Bay	64.065	-79.0622	decimal degrees	Unknown	GPS - Unspecified
9	Ocean	Hudson Bay	63.7288	-79.9282	decimal degrees	Unknown	GPS - Unspecified
10	Ocean	Hudson Bay	63.4458	-79.4414	decimal degrees	Unknown	GPS - Unspecified
11	Ocean	Hudson Bay	62.865	-78.8966	decimal degrees	Unknown	GPS - Unspecified
12	Ocean	Hudson Bay	63.3958	-81.2255	decimal degrees	Unknown	GPS - Unspecified
15	Ocean	Hudson Bay	63.1939	-81.9189	decimal degrees	Unknown	GPS - Unspecified
16	Ocean	Hudson Bay	62.2796	-85.906	decimal degrees	Unknown	GPS - Unspecified
17	Ocean	Hudson Bay	63.1845	-90.0344	decimal degrees	Unknown	GPS - Unspecified
18	Ocean	Hudson Bay	63.7138	-88.417	decimal degrees	Unknown	GPS - Unspecified
19	Ocean	Hudson Bay	61.848	-92.1103	decimal degrees	Unknown	GPS - Unspecified
20	Ocean	Hudson Bay	61.3757	-90.942	decimal degrees	Unknown	GPS - Unspecified
21	Ocean	Hudson Bay	60.9113	-89.3586	decimal degrees	Unknown	GPS - Unspecified
22	Ocean	Hudson Bay	60.4233	-94.0022	decimal degrees	Unknown	GPS - Unspecified
23	Ocean	Hudson Bay	60.923	-91.7818	decimal degrees	Unknown	GPS - Unspecified
24	Ocean	Hudson Bay	61.6966	-87.7641	decimal degrees	Unknown	GPS - Unspecified
25	Ocean	Hudson Bay	62.0219	-87.0088	decimal degrees	Unknown	GPS - Unspecified

28	Ocean	Hudson Bay	62.4145	-89.8323	decimal degrees	Unknown	GPS - Unspecified
29	Ocean	Hudson Bay	61.7697	-84.308	decimal degrees	Unknown	GPS - Unspecified
31	Ocean	Hudson Bay	57.5002	-91.7971	decimal degrees	Unknown	GPS - Unspecified
32	Ocean	Hudson Bay	56.9842	-88.11718	decimal degrees	Unknown	GPS - Unspecified
33	Ocean	Hudson Bay	56.600883	-87.065833	decimal degrees	Unknown	GPS - Unspecified
34	Ocean	Hudson Bay	56.5062	-86.8942	decimal degrees	Unknown	GPS - Unspecified
35	Ocean	Hudson Bay	57.1795	-86.4995	decimal degrees	Unknown	GPS - Unspecified

36_HA	Ocean	Hudson Bay	57.8781	-84.220033	decimal degrees	Unknown	GPS - Unspecified
36_HB	Ocean	Hudson Bay	57.8291	-85.019167	decimal degrees	Unknown	GPS - Unspecified
36_HC	Ocean	Hudson Bay	58.29785	-87.60565	decimal degrees	Unknown	GPS - Unspecified
36_HD	Ocean	Hudson Bay	58.051267	-86.857383	decimal degrees	Unknown	GPS - Unspecified
36	Ocean	Hudson Bay	57.774	-86.0311	decimal degrees	Unknown	GPS - Unspecified
38_HA	Ocean	Hudson Bay	58.79095	-84.237617	decimal degrees	Unknown	GPS - Unspecified
38_HB	Ocean	Hudson Bay	58.791583	-85.1604	decimal degrees	Unknown	GPS - Unspecified
38_HC	Ocean	Hudson Bay	58.29785	-87.60565	decimal degrees	Unknown	GPS - Unspecified
38_HD	Ocean	Hudson Bay	58.051267	-86.857333	decimal degrees	Unknown	GPS - Unspecified
38	Ocean	Hudson Bay	58.7224	-86.3045	decimal degrees	Unknown	GPS - Unspecified
40	Ocean	Hudson Bay	58.23267	-88.56332	decimal degrees	Unknown	GPS - Unspecified
L1	Ocean	Hudson Bay	62.93758	-83.88127	decimal degrees	Unknown	GPS - Unspecified
L2	Ocean	Hudson Bay	62.76475	-84.34018	decimal degrees	Unknown	GPS - Unspecified
L3	Ocean	Hudson Bay	62.4585	-85.20410	decimal degrees	Unknown	GPS - Unspecified
44	Ocean	Hudson Bay	59.9751	-91.9502	decimal degrees	Unknown	GPS - Unspecified
46	Ocean	Hudson Bay	57.5021	-91.8162	decimal degrees	Unknown	GPS - Unspecified

Wilson_River	Estuary	Hudson Bay	62.338033	-93.11285	decimal degrees	Unknown	GPS - Unspecified
Ferguson_River	Estuary	Hudson Bay	62.125967	-92.48685	decimal degrees	Unknown	GPS - Unspecified
Tha' Anne_River	Estuary	Hudson Bay	62.072283	-93.350967	decimal degrees	Unknown	GPS - Unspecified

Thlewiaza_River	Estuary	Hudson Bay	61.879567	-92.8451	decimal degrees	Unknown	GPS - Unspecified
Hayes_River	Estuary	Hudson Bay	60.5461	-94.8292	decimal degrees	Unknown	GPS - Unspecified
Nelson_River	Estuary	Hudson Bay	60.4851	-94.8167	decimal degrees	Unknown	GPS - Unspecified
Severn_River	Estuary	Hudson Bay	56.9659	-92.6305	decimal degrees	Unknown	GPS - Unspecified
Winisk_River	Estuary	Hudson Bay	56.9955	-92.2924	decimal degrees	Unknown	GPS - Unspecified
Seal_River	Estuary	Hudson Bay	55.9603	-87.7081	decimal degrees	Unknown	GPS - Unspecified
Churchill_River	Estuary	Hudson Bay	56.6009	-85.2114	decimal degrees	Unknown	GPS - Unspecified
N-A	Estuary	Hudson Bay	57.05585	-92.53127	decimal degrees	Unknown	GPS - Unspecified
N-B	Estuary	Hudson Bay	57.1155	-92.42117	decimal degrees	Unknown	GPS - Unspecified
N-C	Estuary	Hudson Bay	57.205933	-92.28247	decimal degrees	Unknown	GPS - Unspecified
N-D	Estuary	Hudson Bay	57.22215	-92.29395	decimal degrees	Unknown	GPS - Unspecified
45-LT	Estuary	Hudson Bay	57.2207	-91.9563	decimal degrees	Unknown	GPS - Unspecified
45-HT	Estuary	Hudson Bay	57.296817	-92.063067	decimal degrees	Unknown	GPS - Unspecified
South Transect (45-C)	Estuary	Hudson Bay	57.184233	-91.81105	decimal degrees	Unknown	GPS - Unspecified
45_1	Estuary	Hudson Bay	57.243767	-91.956567	decimal degrees	Unknown	GPS - Unspecified
45_3	Estuary	Hudson Bay	57.24255	-92.007933	decimal degrees	Unknown	GPS - Unspecified
45_4	Estuary	Hudson Bay	57.259283	-92.05615	decimal degrees	Unknown	GPS - Unspecified
45-W1	Estuary	Hudson Bay	57.3988	-92.073	decimal degrees	Unknown	GPS - Unspecified
45-W2	Estuary	Hudson Bay	57.3959	-91.9761	decimal degrees	Unknown	GPS - Unspecified

45-W3	Estuary	Hudson Bay	57.3938	-91.8671	decimal degrees	Unknown	GPS - Unspecified

SAMPLE VARIABLE DETAILS

Variable Name*	Variable Description	Variable Speciation	Variable Sample Fraction*	Variable Media Type	Activity Collection Type	Result Value Type
Year		None	None	Other	n/a	Actual
Month		None	None	Other	n/a	Actual
Day		None	None	Other	n/a	Actual
Station	ID	None	None	Other	n/a	Actual
Lat	Latitude in Decimal Degrees	None	None	Other	Satellite	Actual
Long	Longitude in Decimal Degrees	None	None	Other	Satellite	Actual
Depth_m	Water depth	None	None	Other	Field Observation	Actual
Sample_Type	Water, Ice-water Interface, Melt	None	None	Other	Field Observation	Actual
	pond, River estuary water					
Sampling_device	Pump, Bucket, Rosette	None	None	Other	Field Observation	Actual
Filtered_Volume_mL	Filtered Volume	None	Filtrate	Seawater	Lab Measurement	Calculated

	Chlorophyll a concentration	None	Filtrate	Biological	Lab Measurement	Calculated
Chl_a_microgram_L-1						
Phaeopigments_micro gram_L-1	Phaeopigment concentration	None	Filtrate	Biological	Lab Measurement	Calculated
QF	Data qualifier	None	None	Other	n/a	Actual

Dataset Description

DATA FILE DETAILS

Column Name*	Unit	Description	Statistic Applied
Depth_m	m	Water depth	
Sample_Type	none	Water, Ice-water Interface, Melt pond, River estuary water	
Sampling_device	none	Pump, Bucket, Rosette	
Filtered_Volume_mL	mL	Filtered Volume	
Chl_a_microgram_L-1	□g L-1	Chlorophyll a concentration	
Phaeopigments_microgram_L-1	□g L-1	Phaeopigment concentration	

Table 1. Code list

CanWIN Short Code	Definition	User Code
ADL	Above Detection Limit	
BDL	Below Detection Limit	
$	Incorrect sample container	
EFAI	Equipment failure, sample lost	
FEF	Field equipment failed	
FEQ	Field Equipment Questionable	
FFB	Failed. Field blank not acceptable.	
FFD	Failed. Field Duplicate.	
FFS	Failed. Field spike not acceptable.	
H	Holding time exceeded	
ISP	Improper sample preservation	
ITNA	Incubation time not attained	
ITNM	Incubation temperature not maintained	
JCW	Sample container damaged, sample lost	
NaN	Value is missing and reason is not known	
NC	Not collected	
ND	Not detected	
NR	Sample taken/measured on site but information in this field not recorded	
NS	Sample collected but not submitted	
OC	Master Coordinate List Used	
P	Analysis requested and result pending	
prob_good	probably good value. Data value that is probably consistent with real phenomena but this is unconfirmed or data value forming part of a malfunction that is considered too small to affect the overall quality of the data object of which it is a part.	
prob_bad	probably bad value. Data value recognised as unusual during quality control that forms part of a feature that is probably inconsistent with real phenomena.	
Interpolated	This value has been derived by interpolation from other values in the data object.	
Q	Below limit of quantification (LOQ). The value was below the LOQ of the analytical method. The value in the result field is the limit of quantification (limit of detection) for the method.	
LAF	Lab Analysis Failure (value cannot be trusted due to detected lab instrument	New code added by LCM

	failure (e.g. contamination) during sample processing	

Table 2. Options for Statistics Applied

Statistics Applied	Description
30DADMean	Thirty-day average daily mean
7DADM	Seven-day average daily maximum
7DADMean	Seven-day average daily mean
7DADMin	Seven-day average daily minimum
Coefficient of variation	The ratio of the standard deviation σ to the mean, μ.
Daily Geometric Mean	Provides a number that is more representative of the median and helps reduce the effect of a few extreme values.
Daily Maximum	The largest value of a set, each period of a day cycle
Daily Minimum	The smallest value of a set, each period of a day cycle
Hourly Maximum	The largest value of a set, each period of an hour cycle
Hourly Minimum	The smallest value of a set, each period of an hour cycle
MatLab script	Provide the MatLab script or the link to it
Mean	The sum of all the numbers in the set divided by the amount of numbers in the set
Median	The middle point of a number set, in which half the numbers are above the median and half are below.
None	None
R script	Provide the R script or the link to it
Standard Deviation	This describes the spread of values in the sample
Standard Error	The standard deviation of the sample mean, $\bar{x}$, which describes its accuracy as an estimate of the population mean, μ.