Table 1
Marine occurrences (types, vessels and losses involved)

	October			Year to date (October)		
	2018	2017	2013-2017 average	2018	2017	2013-2017 average
Accidents	24	31	28	218	244	246
Shipping accidents by type	19	26	24	179	203	206
Capsize	0	0	1	11	3	6
Collision	9	10	8	54	79	70
Fire/Explosion	3	1	2	27	27	29
Grounding	4	8	7	50	46	53
Sank	3	3	2	21	18	16
Sustains damage render unseaworthy/ Unfit for purpose	0	4	4	16	29	32
Other shipping accident types	0	0	0	0	1	1
Accidents aboard ship	5	5	4	39	41	40
Vessels involved in shipping accidents by type of vessel	21	31	30	200	235	238
Barge	4	1	2	17	16	15
Cargo - liquid	1	1	1	6	10	9
Cargo - solid	2	6	5	34	34	40
Ferry	2	1	2	9	12	15
Fishing	3	10	7	61	77	76
Passenger	4	2	1	13	15	14
Service ship	0	4	5	18	33	30
Tug	4	6	4	19	22	21
Other vessel types	1	0	2	23	16	18
Vessels involved in shipping accidents by vessel flag	21	31	30	200	235	238
Canadian non-fishing vessels	14	16	18	120	131	131
Canadian fishing vessels	3	10	7	57	73	74
Foreign vessels	4	5	4	23	31	32
Vessels lost by gross tonnage	0	0	3	11	8	15
1600 gross tons and over	0	0	0	1	0	0
150 to 1599 gross tons	0	0	0	0	0	1
60 to 149 gross tons	0	0	0	2	2	3
15 to 59 gross tons	0	0	1	2	2	3
Less than 15 gross tons	0	0	1	6	1	5
Unknown tonnage	0	0	1	0	3	3
Fatalities	3	1	2	19	10	13
Shipping accidents	0	0	2	15	4	7
Accidents aboard ship	3	1	0	4	6	5
Serious injuries	2	5	4	43	42	39
Shipping accidents	0	0	0	7	6	5
Accidents aboard ship	2	5	4	36	36	34
Occurrences with a dangerous good release*	1	1	N/A	9	7	N/A
Reportable incidents by type	61	52	49	663	758	656
Bottom contact	3	3	3	29	34	24
Cargo shift/Cargo loss	0	0	0	6	5	2
Person overboard	2	0	0	11	10	g
Risk of collision (near collision)	6	4	3	57	46	41
Risk of sinking	2	4	2	22	13	12
Total failure of any machinery or technical system**	43	40	39	499	614	551
Other incident types	5	1	1	39	36	17

Data extracted November 15, 2018

In November 2013, the Transportation Safety Board developed and deployed a new Marine Database. The new database significantly improves the TSB's ability to collect, categorize and present statistics. In accordance with these changes the 2014 statistical summary onward will be presented in a slightly different format.

New TSB regulations came into effect on July 1, 2014, changing some reporting requirements.

<sup>\*</sup> Under new reporting requirements the release of dangerous goods has been harmonized with Part 8 of the Transportation of Dangerous Goods Regulations. Detailed data was not collected prior to July 1, 2014.

<sup>\*\*</sup> New regulations clarify the reporting requirements for a total failure of any machinery or technical system.

Table 2
Details of occurrences, losses and vessels involved by region

Pacific region   Shipping accidents   14     Accidents aboard ship   1     Vessels involved in shipping accidents   16     Barge/Tug   6     Cargo / Tanker   2     Ferry/Passenger   4     Fishing   3     Other vessel types   1     Vessels lost   0     Fatalities   1     Reportable incidents   26     Central region   2     Shipping accidents   4     Accidents aboard ship   2     Vessels involved in shipping accidents   4     Barge/Tug   1     Cargo / Tanker   2     Fishing   0     Other vessel types   0     Accidents aboard ship   2     Vessels involved in shipping accidents   2     Fishing   0     Other vessel types   0     Vessels lost   0     Fatalities   0     Reportable incidents   2     Accidents aboard ship   1     Vessels involved in shipping accidents   0     Barge/Tug   0     Cargo / Tanker   0     Ferry/Passenger   0     Fishing   0     Other vessel types   0     Vessels involved in shipping accidents   0     Barge/Tug   0     Cargo / Tanker   0     Ferry/Passenger   1     Reportable incidents   1     Reportable i	October			Year to date (October)		
Shipping accidents   14     Accidents aboard ship	2017	2013-2017 average	2018	2017	2013-2017 average	
Accidents aboard ship  Vessels involved in shipping accidents  Barge/Tug  Cargo / Tanker  Ferry/Passenger  Fishing  Other vessel types  1  Vessels lost  Reportable incidents  Cargo / Tanker  Ferry/Passenger  Shipping accidents  Accidents aboard ship  Cargo / Tanker  Ferry/Passenger  Shipping accidents  Accidents aboard ship  Cargo / Tanker  Ferry/Passenger  Fatalities  Other vessel types  Accidents aboard ship  Other vessel types  Vessels involved in shipping accidents  Accidents aboard ship  Other vessel types  Other vessel types  Osepatable incidents  Accidents aboard ship  Accidents aboard ship  Accidents aboard ship  Accidents aboard ship  Osepatable incidents  Accidents aboard ship  Osepatable incidents  Accidents aboard ship  Other vessel types  Other types  Other types  Other types  Other types  Other types						
Vessels involved in shipping accidents         16           Barge/Tug         6           Cargo / Tanker         2           Ferry/Passenger         4           Fishing         3           Other vessel types         1           Vessels lost         0           Fatalities         1           Reportable incidents         26           Central region         3           Shipping accidents         4           Accidents aboard ship         2           Vessels involved in shipping accidents         4           Accidents aboard ship         2           Vessels involved in shipping accidents         1           Barge/Tug         1           Cargo / Tanker         1           Ferry/Passenger         2           Fishing         0           Other vessel types         0           Vessels lost         0           Accidents aboard ship         1           Vessels involved in shipping accidents         0           Accidents aboard ship         0           Vessels lost         0           Fatalities         0           Reportable incidents         8           Foreign waters	13	12	88	97	90	
Barge/Tug         6           Cargo / Tanker         2           Ferry/Passenger         4           Fishing         3           Other vessel types         1           Vessels lost         0           Fatalities         1           Reportable incidents         26           Central region         3           Shipping accidents         4           Accidents aboard ship         2           Vessels involved in shipping accidents         4           Barge/Tug         1           Cargo / Tanker         1           Ferry/Passenger         2           Fishing         0           Other vessel types         0           Vessels lost         0           Fatalities         0           Reportable incidents         26           Atlantic region         3           Shipping accidents         0           Accidents aboard ship         1           Vessels involved in shipping accidents         0           Barge/Tug         0           Cargo / Tanker         0           Fatalities         1           Reportable incidents         8           Foreign	1	1	10	7	14	
Cargo / Tanker         2           Ferry/Passenger         4           Fishing         3           Other vessel types         1           Vessels lost         0           Fatalities         1           Reportable incidents         26           Central region         3           Shipping accidents         4           Accidents aboard ship         2           Vessels involved in shipping accidents         4           Barge/Tug         1           Cargo / Tanker         1           Ferry/Passenger         2           Fishing         0           Other vessel types         0           Vessels lost         0           Fatalities         0           Reportable incidents         26           Atlantic region         0           Shipping accidents         0           Accidents aboard ship         1           Vessels involved in shipping accidents         0           Barge/Tug         0           Cargo / Tanker         0           Foreign waters         0           Shipping accidents         1           Reportable incidents         8	16	16	99	115	107	
Ferry/Passenger         4           Fishing         3           Other vessel types         1           Vessels lost         0           Fatalities         1           Reportable incidents         26           Central region         3           Shipping accidents         4           Accidents aboard ship         2           Vessels involved in shipping accidents         4           Barge/Tug         1           Cargo / Tanker         1           Ferry/Passenger         2           Fishing         0           Other vessel types         0           Vessels lost         0           Fatalities         0           Reportable incidents         26           Atlantic region         0           Shipping accidents         0           Accidents aboard ship         1           Vessels involved in shipping accidents         0           Barge/Tug         0           Other vessel types         0           Vessels lost         0           Fatalities         1           Reportable incidents         8           Foreign waters         1	3	4	28	28	25	
Fishing         3           Other vessel types         1           Vessels lost         0           Fatalities         1           Reportable incidents         26           Central region	1	1	5	7	8	
Fishing         3           Other vessel types         1           Vessels lost         0           Fatalities         1           Reportable incidents         26           Central region	1	1	12	12	12	
Vessels lost         0           Fatalities         1           Reportable incidents         26           Central region         ***           Shipping accidents         4           Accidents aboard ship         2           Vessels involved in shipping accidents         4           Barge/Tug         1           Cargo / Tanker         1           Ferry/Passenger         2           Fishing         0           Other vessel types         0           Vessels lost         0           Reportable incidents         26           Atlantic region         0           Shipping accidents         0           Accidents aboard ship         1           Vessels involved in shipping accidents         0           Barge/Tug         0           Cargo / Tanker         0           Ferry/Passenger         0           Fishing         0           Other vessel types         0           Vessels lost         0           Foreign waters         1           Shipping accidents         1           Accidents aboard ship         1           Vessels involved in shipping accidents         1 </td <td>7</td> <td>4</td> <td>30</td> <td>32</td> <td>31</td>	7	4	30	32	31	
Vessels lost         0           Fatalities         1           Reportable incidents         26           Central region         ***           Shipping accidents         4           Accidents aboard ship         2           Vessels involved in shipping accidents         4           Barge/Tug         1           Cargo / Tanker         1           Ferry/Passenger         2           Fishing         0           Other vessel types         0           Vessels lost         0           Reportable incidents         26           Atlantic region         0           Shipping accidents         0           Accidents aboard ship         1           Vessels involved in shipping accidents         0           Barge/Tug         0           Cargo / Tanker         0           Ferry/Passenger         0           Fishing         0           Other vessel types         0           Vessels lost         0           Foreign waters         1           Shipping accidents         1           Accidents aboard ship         1           Vessels involved in shipping accidents         1 </td <td>4</td> <td>5</td> <td>24</td> <td>36</td> <td>31</td>	4	5	24	36	31	
Reportable incidents         26           Central region         Shipping accidents         4           Accidents aboard ship         2           Vessels involved in shipping accidents         4           Barge/Tug         1           Cargo / Tanker         1           Ferry/Passenger         2           Fishing         0           Other vessel types         0           Vessels lost         0           Fatalities         0           Reportable incidents         26           Atlantic region         0           Shipping accidents         0           Accidents aboard ship         1           Vessels involved in shipping accidents         0           Barge/Tug         0           Cargo / Tanker         0           Ferry/Passenger         0           Vessels lost         0           Fatalities         1           Reportable incidents         8           Foreign waters         1           Shipping accidents         1           Accidents aboard ship         1           Vessels involved in shipping accidents         1           Accidents aboard ship         1	0	1	2	6	7	
Central region         All pipping accidents         4           Accidents aboard ship         2           Vessels involved in shipping accidents         4           Barge/Tug         1           Cargo / Tanker         1           Ferry/Passenger         2           Fishing         0           Other vessel types         0           Vessels lost         0           Fatalities         0           Reportable incidents         26           Atlantic region         0           Shipping accidents         0           Accidents aboard ship         1           Vessels involved in shipping accidents         0           Barge/Tug         0           Cargo / Tanker         0           Ferry/Passenger         0           Vessels lost         0           Fatalities         1           Reportable incidents         8           Foreign waters         1           Shipping accidents         1           Accidents aboard ship         1           Vessels involved in shipping accidents         1           Accidents aboard ship         1           Vessels involved in shipping accidents         1	0	2	5	5	5	
Central region         4           Shipping accidents         4           Accidents aboard ship         2           Vessels involved in shipping accidents         4           Barge/Tug         1           Cargo / Tanker         1           Ferry/Passenger         2           Fishing         0           Other vessel types         0           Vessel lost         0           Fatalities         0           Reportable incidents         26           Atlantic region         0           Shipping accidents         0           Accidents aboard ship         1           Vessels involved in shipping accidents         0           Barge/Tug         0           Cargo / Tanker         0           Ferry/Passenger         0           Vessels lost         0           Fatalities         1           Reportable incidents         8           Foreign waters         1           Shipping accidents         1           Accidents aboard ship         1           Vessels involved in shipping accidents         1           Accidents aboard ship         1           Vessels involved in shipping ac	20	13	222	260	202	
Shipping accidents       4         Accidents aboard ship       2         Vessels involved in shipping accidents       4         Barge/Tug       1         Cargo / Tanker       1         Ferry/Passenger       2         Fishing       0         Other vessel types       0         Vessels lost       0         Fatalities       0         Reportable incidents       26         Atlantic region       2         Shipping accidents       0         Accidents aboard ship       1         Vessels involved in shipping accidents       0         Barge/Tug       0         Cargo / Tanker       0         Ferry/Passenger       0         Vessels lost       0         Fatalities       1         Reportable incidents       8         Foreign waters       1         Shipping accidents       1         Accidents aboard ship       1         Vessels involved in shipping accidents       1         Accidents aboard ship       1         Vessels involved in shipping accidents       1         Accidents aboard ship       1         Vessels involved in shipping acci						
Accidents aboard ship       2         Vessels involved in shipping accidents       4         Barge/Tug       1         Cargo / Tanker       1         Ferry/Passenger       2         Fishing       0         Other vessel types       0         Vessels lost       0         Fatalities       0         Reportable incidents       26         Atlantic region       0         Shipping accidents       0         Accidents aboard ship       1         Vessels involved in shipping accidents       0         Barge/Tug       0         Cargo / Tanker       0         Ferry/Passenger       0         Fishing       0         Other vessel types       0         Vessels lost       0         Fatalities       1         Reportable incidents       8         Foreign waters       1         Shipping accidents       1         Accidents aboard ship       1         Vessels involved in shipping accidents       1         Accidents aboard ship       1         Vessels involved in shipping accidents       1         Accidents aboard ship       1	8	6	50	52	58	
Vessels involved in shipping accidents         4           Barge/Tug         1           Cargo / Tanker         1           Ferry/Passenger         2           Fishing         0           Other vessel types         0           Vessels lost         0           Fatalities         0           Reportable incidents         26           Atlantic region         0           Shipping accidents         0           Accidents aboard ship         1           Vessels involved in shipping accidents         0           Barge/Tug         0           Cargo / Tanker         0           Ferry/Passenger         0           Fishing         0           Other vessel types         0           Vessels lost         0           Fatalities         1           Reportable incidents         8           Foreign waters         1           Shipping accidents         1           Accidents aboard ship         1           Vessels involved in shipping accidents         1           Accidents aboard ship         1           Vessels involved in shipping accidents         0           Fatalities	2	1	16	14	12	
Barge/Tug       1         Cargo / Tanker       1         Ferry/Passenger       2         Fishing       0         Other vessel types       0         Vessels lost       0         Fatalities       0         Reportable incidents       26         Atlantic region       0         Shipping accidents       0         Accidents aboard ship       1         Vessels involved in shipping accidents       0         Barge/Tug       0         Cargo / Tanker       0         Ferry/Passenger       0         Fishing       0         Other vessel types       0         Vessels lost       0         Fatalities       1         Reportable incidents       8         Foreign waters       1         Shipping accidents       1         Accidents aboard ship       1         Vessels involved in shipping accidents       1         Barge/Tug       1         Cargo / Tanker       0         Ferry/Passenger       0         Fishing       0	10	7	57	58	66	
Cargo / Tanker       1         Ferry/Passenger       2         Fishing       0         Other vessel types       0         Vessels lost       0         Fatalities       0         Reportable incidents       26         Atlantic region       0         Shipping accidents       0         Accidents aboard ship       1         Vessels involved in shipping accidents       0         Barge/Tug       0         Cargo / Tanker       0         Ferry/Passenger       0         Fishing       0         Other vessel types       0         Vessels lost       0         Fatalities       1         Reportable incidents       8         Foreign waters       1         Shipping accidents       1         Accidents aboard ship       1         Vessels involved in shipping accidents       1         Barge/Tug       1         Cargo / Tanker       0         Ferry/Passenger       0         Fishing       0	2	1	5	6	8	
Ferry/Passenger         2           Fishing         0           Other vessel types         0           Vessels lost         0           Fatalities         0           Reportable incidents         26           Atlantic region         Shipping accidents           Shipping accidents         0           Accidents aboard ship         1           Vessels involved in shipping accidents         0           Barge/Tug         0           Cargo / Tanker         0           Ferry/Passenger         0           Other vessel types         0           Vessels lost         0           Fatallities         1           Reportable incidents         8           Foreign waters         1           Shipping accidents         1           Accidents aboard ship         1           Vessels involved in shipping accidents         1           Barge/Tug         1           Cargo / Tanker         0           Ferry/Passenger         0           Fishing         0	5	4	24	23	31	
Fishing       0         Other vessel types       0         Vessels lost       0         Fatalities       0         Reportable incidents       26         Atlantic region	1	1	10	11	11	
Other vessel types       0         Vessels lost       0         Fatalities       0         Reportable incidents       26         Atlantic region	2	1	8	14	7	
Vessels lost         0           Fatalities         0           Reportable incidents         26           Atlantic region	0	1	10	4	9	
Fatalities         0           Reportable incidents         26           Atlantic region         0           Shipping accidents         0           Accidents aboard ship         1           Vessels involved in shipping accidents         0           Barge/Tug         0           Cargo / Tanker         0           Ferry/Passenger         0           Fishing         0           Other vessel types         0           Vessels lost         0           Fatalities         1           Reportable incidents         8           Foreign waters         8           Shipping accidents         1           Accidents aboard ship         1           Vessels involved in shipping accidents         1           Barge/Tug         1           Cargo / Tanker         0           Ferry/Passenger         0           Fishing         0	0	0	2	0	1	
Reportable incidents       26         Atlantic region       0         Shipping accidents       0         Accidents aboard ship       1         Vessels involved in shipping accidents       0         Barge/Tug       0         Cargo / Tanker       0         Ferry/Passenger       0         Fishing       0         Other vessel types       0         Vessels lost       0         Fatalities       1         Reportable incidents       8         Foreign waters       8         Shipping accidents       1         Accidents aboard ship       1         Vessels involved in shipping accidents       1         Barge/Tug       1         Cargo / Tanker       0         Ferry/Passenger       0         Fishing       0	1	1	3	3	2	
Atlantic region       0         Shipping accidents       0         Accidents aboard ship       1         Vessels involved in shipping accidents       0         Barge/Tug       0         Cargo / Tanker       0         Ferry/Passenger       0         Fishing       0         Other vessel types       0         Vessels lost       0         Fatalities       1         Reportable incidents       8         Foreign waters         Shipping accidents       1         Accidents aboard ship       1         Vessels involved in shipping accidents       1         Barge/Tug       1         Cargo / Tanker       0         Ferry/Passenger       0         Fishing       0	10	14	212	158	125	
Shipping accidents       0         Accidents aboard ship       1         Vessels involved in shipping accidents       0         Barge/Tug       0         Cargo / Tanker       0         Ferry/Passenger       0         Fishing       0         Other vessel types       0         Vessels lost       0         Fatalities       1         Reportable incidents       8         Foreign waters       8         Shipping accidents       1         Accidents aboard ship       1         Vessels involved in shipping accidents       1         Barge/Tug       1         Cargo / Tanker       0         Ferry/Passenger       0         Fishing       0	.0		2.2	100	120	
Accidents aboard ship       1         Vessels involved in shipping accidents       0         Barge/Tug       0         Cargo / Tanker       0         Ferry/Passenger       0         Fishing       0         Other vessel types       0         Vessels lost       0         Fatalities       1         Reportable incidents       8         Foreign waters       8         Shipping accidents       1         Accidents aboard ship       1         Vessels involved in shipping accidents       1         Barge/Tug       1         Cargo / Tanker       0         Ferry/Passenger       0         Fishing       0	4	5	28	48	51	
Vessels involved in shipping accidents         0           Barge/Tug         0           Cargo / Tanker         0           Ferry/Passenger         0           Fishing         0           Other vessel types         0           Vessels lost         0           Fatalities         1           Reportable incidents         8           Foreign waters           Shipping accidents         1           Accidents aboard ship         1           Vessels involved in shipping accidents         1           Barge/Tug         1           Cargo / Tanker         0           Ferry/Passenger         0           Fishing         0	2	1	11	16	12	
Barge/Tug       0         Cargo / Tanker       0         Ferry/Passenger       0         Fishing       0         Other vessel types       0         Vessels lost       0         Fatalities       1         Reportable incidents       8         Foreign waters         Shipping accidents       1         Accidents aboard ship       1         Vessels involved in shipping accidents       1         Barge/Tug       1         Cargo / Tanker       0         Ferry/Passenger       0         Fishing       0	4	6	30	54	56	
Cargo / Tanker       0         Ferry/Passenger       0         Fishing       0         Other vessel types       0         Vessels lost       0         Fatalities       1         Reportable incidents       8         Foreign waters         Shipping accidents       1         Accidents aboard ship       1         Vessels involved in shipping accidents       1         Barge/Tug       1         Cargo / Tanker       0         Ferry/Passenger       0         Fishing       0	1	1	0	1	1	
Ferry/Passenger         0           Fishing         0           Other vessel types         0           Vessels lost         0           Fatalities         1           Reportable incidents         8           Foreign waters           Shipping accidents         1           Accidents aboard ship         1           Vessels involved in shipping accidents         1           Barge/Tug         1           Cargo / Tanker         0           Ferry/Passenger         0           Fishing         0	1	0	3	11	5	
Fishing         0           Other vessel types         0           Vessels lost         0           Fatalities         1           Reportable incidents         8           Foreign waters           Shipping accidents         1           Accidents aboard ship         1           Vessels involved in shipping accidents         1           Barge/Tug         1           Cargo / Tanker         0           Ferry/Passenger         0           Fishing         0	1	1	0	4	6	
Other vessel types         0           Vessels lost         0           Fatalities         1           Reportable incidents         8           Foreign waters           Shipping accidents         1           Accidents aboard ship         1           Vessels involved in shipping accidents         1           Barge/Tug         1           Cargo / Tanker         0           Ferry/Passenger         0           Fishing         0	1	3	21	30	36	
Vessels lost         0           Fatalities         1           Reportable incidents         8           Foreign waters         5           Shipping accidents         1           Accidents aboard ship         1           Vessels involved in shipping accidents         1           Barge/Tug         1           Cargo / Tanker         0           Ferry/Passenger         0           Fishing         0	0	1	6	8	8	
Fatalities         1           Reportable incidents         8           Foreign waters           Shipping accidents         1           Accidents aboard ship         1           Vessels involved in shipping accidents         1           Barge/Tug         1           Cargo / Tanker         0           Ferry/Passenger         0           Fishing         0	0	1	7	2	6	
Reportable incidents       8         Foreign waters         Shipping accidents       1         Accidents aboard ship       1         Vessels involved in shipping accidents       1         Barge/Tug       1         Cargo / Tanker       0         Ferry/Passenger       0         Fishing       0	0	0	10	2	6	
Foreign waters           Shipping accidents         1           Accidents aboard ship         1           Vessels involved in shipping accidents         1           Barge/Tug         1           Cargo / Tanker         0           Ferry/Passenger         0           Fishing         0	21	20	219	327	320	
Shipping accidents Accidents aboard ship  Vessels involved in shipping accidents  Barge/Tug 1 Cargo / Tanker 0 Ferry/Passenger 0 Fishing 0	21	20	213	321	320	
Accidents aboard ship 1 Vessels involved in shipping accidents 1 Barge/Tug 1 Cargo / Tanker 0 Ferry/Passenger 0 Fishing 0	1	1	13	6	6	
Vessels involved in shipping accidents1Barge/Tug1Cargo / Tanker0Ferry/Passenger0Fishing0	0	0	2	4	1	
Barge/Tug       1         Cargo / Tanker       0         Ferry/Passenger       0         Fishing       0	1	1	14	8	8	
Cargo / Tanker 0 Ferry/Passenger 0 Fishing 0	1	0	3	3	1	
Ferry/Passenger 0 Fishing 0	0	1	8	3	5	
Fishing 0	0	0	0	0	0	
	0	0	2	1	1	
	0	0	1	1	1	
Vessels lost 0	0	0	0	0	0	
Fatalities 1	0	0	1	0	0	
Reportable incidents 1	1	1	10	13	10	

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