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Past Canadian groundfish landings from the proposed closed area in ICNAF Division 4W — March-May

by

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The tabulation of Canadian (M+Q) landings of groundfish species for the years 1962-69 in the proposed closed area in ICNAF Division 4W, during the haddock spawning season (March-May), is given in the attached tables. Figures for cod, haddock, redfish, halibut, flounders, and others are shown.

Since the boundaries of the proposed closed area do not coincide with any group of existing groundfish statistical unit areas (see Fig. 1), an estimation of the part of the landings taken in the closed area was made. This was done in the following steps:

- (1) The part of the landings that were not assigned to a unit area in Division 4W (4WNK in tables) was prorated over all the unit areas.
- (2) For the possible maximum landings during the past from the proposed closed area, a total of the actual and prorated landings for unit areas 4WH, 4WJ, 4WK, and 4WL were taken.
- (3) For the possible minimum landings during the past from the proposed closed area, actual and prorated landings from unit area 4WL alone were used.

These possible maximum and minimum landings from the area are shown in the tables. Comparison of the former with the total Division 4W landings, for March—May, indicates in general that for all species the bulk of the Canadian landings during this period come from the proposed closed area. This is to be expected since the traditional Canadian spring fishery for haddock has been in the Western and Emerald Bank (4WH,J,and L) areas of Division 4W, where the closure during the spawning season is proposed.

It will be noted that the suggested position of the southern boundary line has been placed so that it will interfere, as little as possible, with the redfish and halibut fisheries which are usually pursued in depths greater than 100 fathoms.

Total Canadian landings for the year by vessels over 25 gross tons are shown in each table for comparative purposes.

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Table 1. Landings by unit area and total landings from Division 4W for the months of March, April and May. Canada (Maritimes and Quebec) - metric tons round - over 25 gross tons.

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	T FLOUNDER	Ι Ξ	HALIBU	REDFISH	HADDOCK	<u>000</u>	AREA	YEAR

Table 2. Landings by unit area and total landings from Division 4W for the months of March, April and May. Canada (Maritimes and Quebec) - metric tons round - over 25 gross tons.

	Total	Minimum	Maximum	Pos	TOTAL										1963	YEAR
	al Canadian			Possible maxim March, Ap	4 2	4 W N X	4WL	4WK	4WJ	4WH	4WG	4WF	4WE	4WD		AREA
8287	landings	838	1590	um and mini ril and May	3112	2190	249	0	108	114	0	133	256	62		COD
10593	from Division	3376	4208	maximum and minimum landings from proposed th, April and May.	5159	3082	1360	0	226	108	0	225	55	103		HADDOCK
459	4W for the yea	0	38	from proposed	273	76	0	0	0	27	0	129	0.	41		REDFISH
4] 5		37	62	closed area ir	153	100	13	0	4	4	0	28	2	2		HALIBUT
4610		15	265	in Division 4W .	1453	1066	4	0	9	57	0	33	82	202		FLOUNDER
5346		420	981	in months of	1721	1287	106	ហ	71	65	0	95	83	9		OTHERS

Table 3. Landings by unit area and total landings from Division 4W for the months of March, April and May. Canada (Maritimes and Quebec) - metric tons round - over 25 gross tons.

Minimum	Maximum	Po	TOTAL	·									1964	YEAR
		Possible max March,	4 ¥	4ENK	4WL	4¥X	4WJ	4 W H	4 W G	4WF	4WE	4 W D		AREA
1053	2073	maximum and mi ch, April and M	2458	1274	507	0	&	483	0	17	55	114		COD
2883	3545	minimum landings d May.	3839	2265	1183	0	21	250	0	23	52	45		HADDOCK
16	64	from proposed	140	102	4	0	0	13	0	0	23	19		REDFISH
41	85	closed area in	126	70	19	0	0	19	œ	ω	2	Уī		HALIBUT
37	199	Division 4W	1730	702	22	0	0	95	0	ω	81	827		FLOUNDER
923	4640	in months of	4840	1749	590	0	0	2373	0	73	31	24		OTHERS

Table 4. Landings by unit area and total landings from Division 4W for the months of March, April and May. Canada (Maritimes and Quebec) - metric tons round - over 25 gross tons.

	Total	Minimum	Poss	TOTAL		<u>YEAR</u> 1965
	l Canadian		ible maximum a March, April	4 W	4WE 4WE 4WF 4WG 4WH 4WK 4WL	AREA
11416	landings 1	1345	um and minim ril and May. 3699	4318	165 103 4 0 1007 24 0 589 2426	COD
6776	from Division 4W	1102	um landings 2536	2599	15 5 0 419 50 0 360	HADDOCK
727	W for the year.	139	from proposed c	457	34 50 0 48 0 0 58	REDFISH
394	•	188 105	losed area in	200	0 0 2 2 31 0 0	HALIBUT
4243		802 17	Division 4W in	1861	347 357 0 0 519 1 1 0	FLOUNDER
13408		4023 648	in months of	4136	19 10 34 0 1806 55 0 357	OTHERS

Table 5. Landings by unit area and total landings from Division 4W for the months of March, April and May. Canada (Maritimes and Quebec) - metric tons round - over 25 gross tons.

	-	Minimum	Maximum	70	TOTAL										1966	YEAR
	Total Canadian	- .	-	ossible may March,	4 ¥	4 E Z X	4WL	4¥X	4WJ	4WH	4WG	4WF	4WE	4 W D		AREA
7484	an landings	1991	2592	Possible maximum and minim March, April and May.	2779	1565	871	œ	52	202	_	13	32	3 5		COD
7969	from Division	5881	6408	inimum landing fay.	6435	2207	3865	∞	140	196	0	16	w	0		HADDOCK
291	4W for the	32	90	minimum landings from proposed d May.	202	140	10	U n	0	12	0	2	18	15		REDESSE
200	year.	174	207	closed area	226	153	57	0	-	9		0	УI	0		HALIBUT
2373		119	1081	in Division 4W	1744	691	71	0		579	0	7	213	182		FLOUNDER
6431		2595	3108	in months of	3139	1197	1606	ω	34	279	0	12	œ	0		OTHERS

Table 6. Landings by unit area and total landings from Division 4W for the months of March, April and May. Canada (Maritimes and Quebec) - metric tons round - over 25 gross tons.

	Total Canadian	Minimum	Maximum	Possible maximum March, April	TOTAL 4W	4WNK	4NL	4EX	4WJ	481	4WG	4WF	4WE	4WD	1967	TEAK
7182	landings	1596	1982	maximum and minimum ch, April and May.	2171	971	883	ω	15	194			7	96		100
6844	from Division	4356	4559	nimum landings from ly.	4559	2400	2064	_		93	0	0	0	0		HAUDUCK
394	4W for the ye	ω	114	from proposed clo	145	33	2	0	0	85	0	0	0	25		KEUF LUH
292	year.	95	132	sed area	140	87	37	2	œ	ω	_	2	0	0		HALIBUI
3265		96	597	in Division 4W	964	194	76	0	13	387	11	0	82	201		FLOONDER
5300		644	1130	in months of	1167	576	327	œ	2	235	0	0	13	6		OTHERS

Table 7. Landings by unit area and total landings from Division 4W for the months of March, April and May. Canada (Maritimes and Quebec) - metric tons round - over 25 gross tons.

	Total	אים או מו אים ומו	Maximum	Pos		TOTAL									1968	YEAR
	l Canadian	300	mum	Possible maximum : March, April	4	A # # # # 7	7 E E	* * * * * * * * * * * * * * * * * * *	* # * C	4 W I	4WG	A ET	4 W.E	4WD		AREA
9316	n landings from	1156	2889	mum and minimum pril and May.	37/4	2617	3150	3/	3 2 8	551 551	12	0	207	53		COD
8071	Division	2798	4026	landings	4099	2706	952	2 2	<u> </u>	323	0	0	24	1		HADDOCK
79	4W for the year.	73	108	from proposed c	146	42	52	0	0	24	-1	0	17	10		REDFISH
ယ္အ		126	170	losed area in	170	116	41	0	4	9	0	0	0	0		HALIBUT
ລ ວ ລ		99	953	Division 4W in	1469	544	62	ω	45	489	œ	0	200	118		FLOUNDER
6163		1559	2778	months of	3069	1675	708	22	31	500	0 (0	126	7	01111111	OTHERS

Table 8. Landings by unit area and total landings from Division 4W for the months of March, April and May. Canada (Maritimes and Quebec) - metric tons round - over 25 gross tons.

	Tot	*	M ax	Poss	TOTAL										1969	YEAR
	Total Canadian	Minimum	Maximum	ible ma March,	4 W	4WNK	4WL	4WK	4WJ	4WH	4WG	4WF	4WE	4WD		AREA
5483	landings	549	1205	ximum and minimum , April and May.	1534	1087	160	65	~	125	0	0	61	35		COD
7987	from Division	3527	4953	n landings from	5113	3064	1414	102		468	0	0	42	22		HADDOCK
1728	4W for the year.	39	60	from proposed	64	39	16	2	0	ហ	0	0	2	0		REDFISH
405	ir.	122	200	closed area in	200	145	34	9		11	0	0	0	0		HALIBUT
2737		231	924	Division 4W	1102	472	132	59	7	329	0	0	90	13		FLOUNDER
3262		516	1411	in months of	1473	872	211	51	4	309	0	0	18	œ		OTHERS



