

Interim Relief phase I (2006/2007 season)

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Detailed information for the initial Interim relief season, phase I, for the 2006/07 fishing season are not available. We currently require an estimate of the tonnage taken in phase I.

For Interim relief seasons phase II and III (2007/08 and 2008/09) detailed information relating to the interim relief catches has been captured and analysed in order to produce an estimate of the total Interim relief catch taken (Keulder and van Zyl 2008, Keulder 2009).

What is known for the 2006/2007 phase I season, however, is only the total number of permits issued (896) and the length of the season (8.5 weeks = 43 days = the months of May and June) (van Zyl 2010).

It is proposed that the same method that was used for the 2009/2010 phase IV tonnage estimate (van Zyl and Johnston 2010) be used to estimate the total interim relief tonnage taken for phase I.

Assuming that the average catch rate of phases II and III (seasons 2007/08 and 2008/09) applies to the 2006/2007, i.e. phase I, a total Interim Relief catch estimate of **63 MT** for the 2006/2007 season results (see Table 1 for details),

i.e.:

$$C_{2006} = T_{2006} P_{2006} \bar{R}$$

where

C_{2006} is the Interim relief catch taken for the 2006/2007 season;

T_{2006} is the season length in weeks for the 2006/2007 season;

P_{2006} is the number of permits allocated for the 2006/2007 season; and

\bar{R} is the average catch per permit holder per week over the 2007/08 and 2008/09 seasons
(i.e. average of the catch rates for the 2007/08 and the 2008/09 seasons).

Thus for the 2006/2007 season:

$$C_{2006} = (8.5). (896). (0.008259) = 63 \text{ MT}$$

Table 1: Interim relief data for phases I, II, III and IV.

Season	Phase	Season length in weeks (<i>T</i>)	Number of permits (<i>P</i>)	Estimated Catch in MT (<i>C</i>)	Estimated Catch rate (MT per permit holder per week) (<i>R</i>)	Estimated Catch in numbers of lobsters per permit holder per week ¹
2006/07	I	8.5	896	63	0.00826 *	21
2007/08	II	22	1042	174 ²	0.00759	19
2008/09	III	20	952	170	0.00893	22
2009/10	IV	22	1528	278	0.00826 *	21

*Average of 2006/07 and 2008/09 values

References

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¹ Assuming a value of 0.402kg per lobster (Keulder, 2009).

² This value was taken into account in the OMP-2007 recasting.