

## Interim Relief phase IV (2009/2010 season)

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For the previous two Interim relief seasons (phase II and III) 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).

Interim relief catch statistics for the 2009/2010 season are not yet available at such a detailed level. What is known for the 2009/2010 season, however, is the total number of permits issued (1528) and the length of the season (22 weeks) (van Zyl 2010, D. van Zyl, pers. comm).

Assuming that the average catch rate of the previous two seasons applies to the current 2009/2010, a total Interim Relief catch estimate of **278 MT** for the 2009/2010 season is calculated (see Table 1 for details),

i.e.:

$$C_{2009} = T_{2009}P_{2009}\bar{R}$$

where

$C_{2009}$  is the Interim relief catch taken for the 2009/2010 season;

$T_{2009}$  is the season length in weeks for the 2009/2010 season;

$P_{2009}$  is the number of permits allocated for the 2009/2010 season; and

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

Thus for the 2009/2010 season:

$$C_{2009} = (22).(1528).(0.008259) = 278 \text{ MT}$$

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

| Season  | Phase | Season length in weeks<br>( <i>T</i> ) | Number of permits<br>( <i>P</i> ) | Estimated Catch in MT<br>( <i>C</i> ) | Estimated Catch rate<br>(MT per permit holder per week)<br>( <i>R</i> ) | Estimated Catch in numbers of lobsters per permit holder per week <sup>1</sup> |
|---------|-------|--|-----------------------------------|---------------------------------------|---|--|
| 2006/07 | I     |  | 896                               | No catch calculated                   | -   | -  |
| 2007/08 | II    | 22                                     | 1042                              | 174 <sup>2</sup>                      | 0.00759   | 19   |
| 2008/09 | III   | 20                                     | 952                               | 170                                   | 0.00893   | 22   |
| 2009/10 | IV    | 22                                     | 1528                              | <b>278</b>                            | 0.00826 *   | 21   |

\*Average of 2006/07 and 2008/09 values

## References

Keulder, F. 2009. Estimated WCRL catch for interim relief Phases II and III. MCM/2009/AUG/SWG/WCRL/16.

Keulder, F and D. van Zyl. 2008. Interim relief report west coast rock lobster 2007/2008. MCM/2008/JUN/SWG-WCRL/03.

Van Zyl, D. 2010. Interim relief report – phase IV. 2010. MCM/2010/AUG/SWG/WCRL/09.

<sup>1</sup> Assuming a value of 0.402kg per lobster (Keulder, 2009).

<sup>2</sup> This value was taken into account in the OMP-2007 recasting.