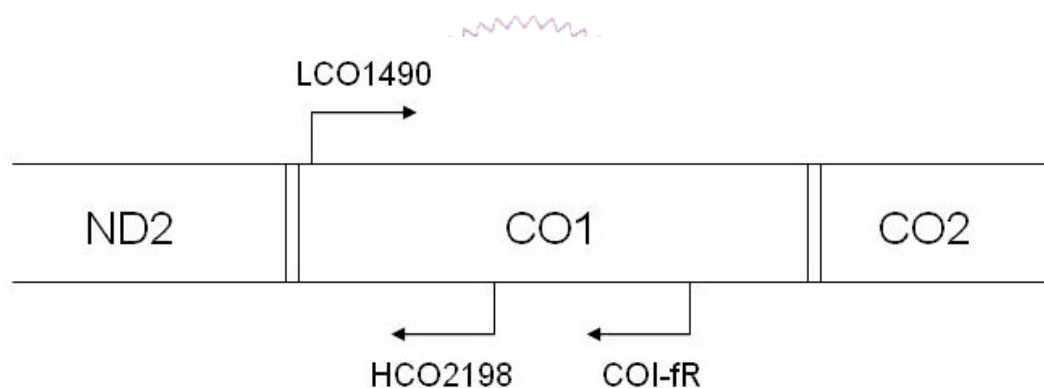




圖一、絨螯蟹屬 (*Eriocheir*) Mitochondrial DNA 示意圖；以中華絨螯蟹 (*E. sinensis*) 為例 (Sun *et al.*, 2005)

Fig. 1. The mitochondrial DNA of the genus *Eriocheir*. Using Chinese mitten crab (*E. sinensis*) for example. (Sun *et al.*, 2005).



圖二、增幅 COI 所用的引子位置圖

LCO1490 序列為 GGT CAA CAA ATC ATA AAG ATA TTG

HCO2198 序列為 TAA ACT TCA GGG TGA CCA AAA AAT CA

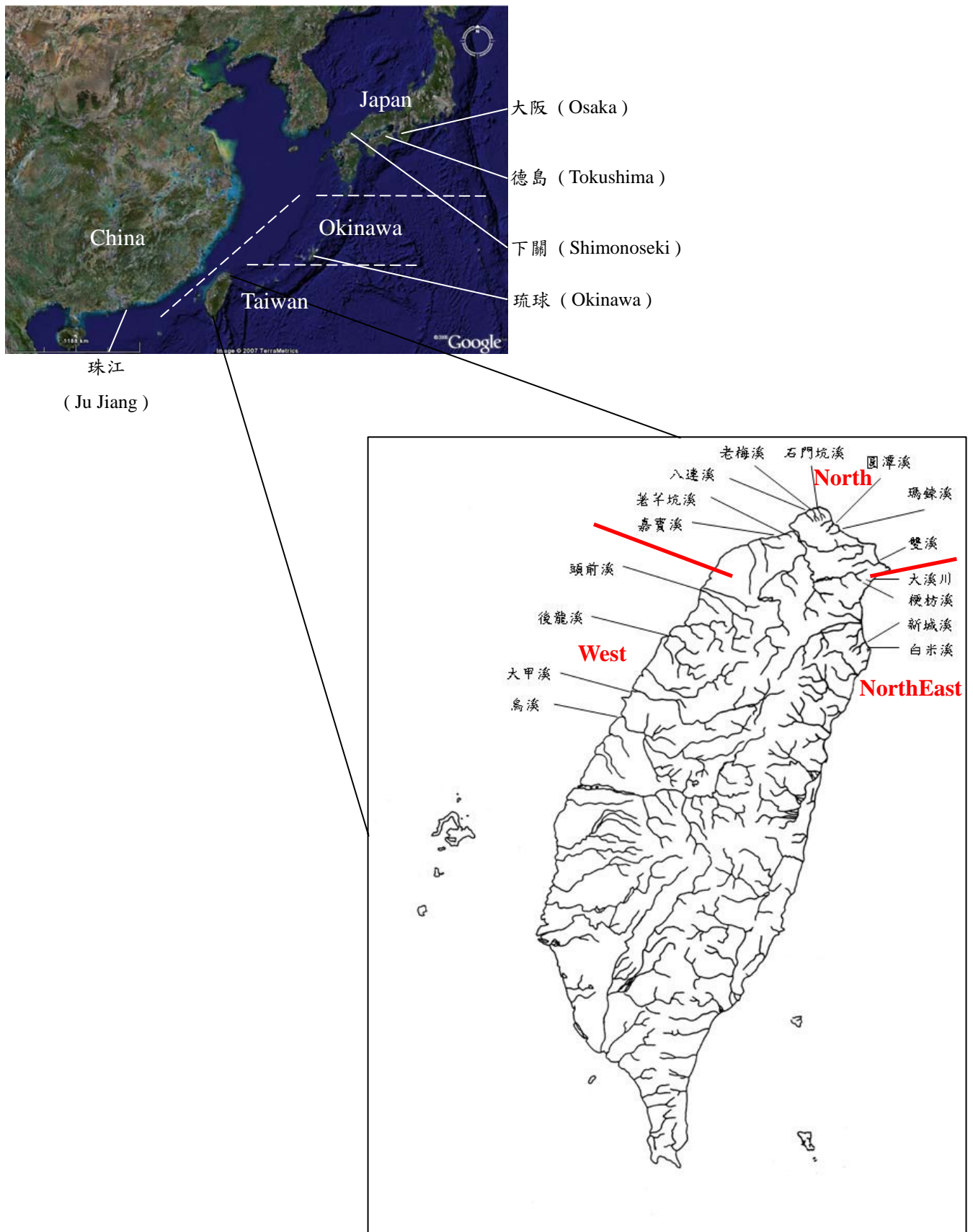
COI-fR 序列為 CGT CGT GGT ATG CCD TTT ARW CCT A

Fig. 2. The locations of the primers used in COI gene PCR reaction.

LCO1490: GGT CAA CAA ATC ATA AAG ATA TTG

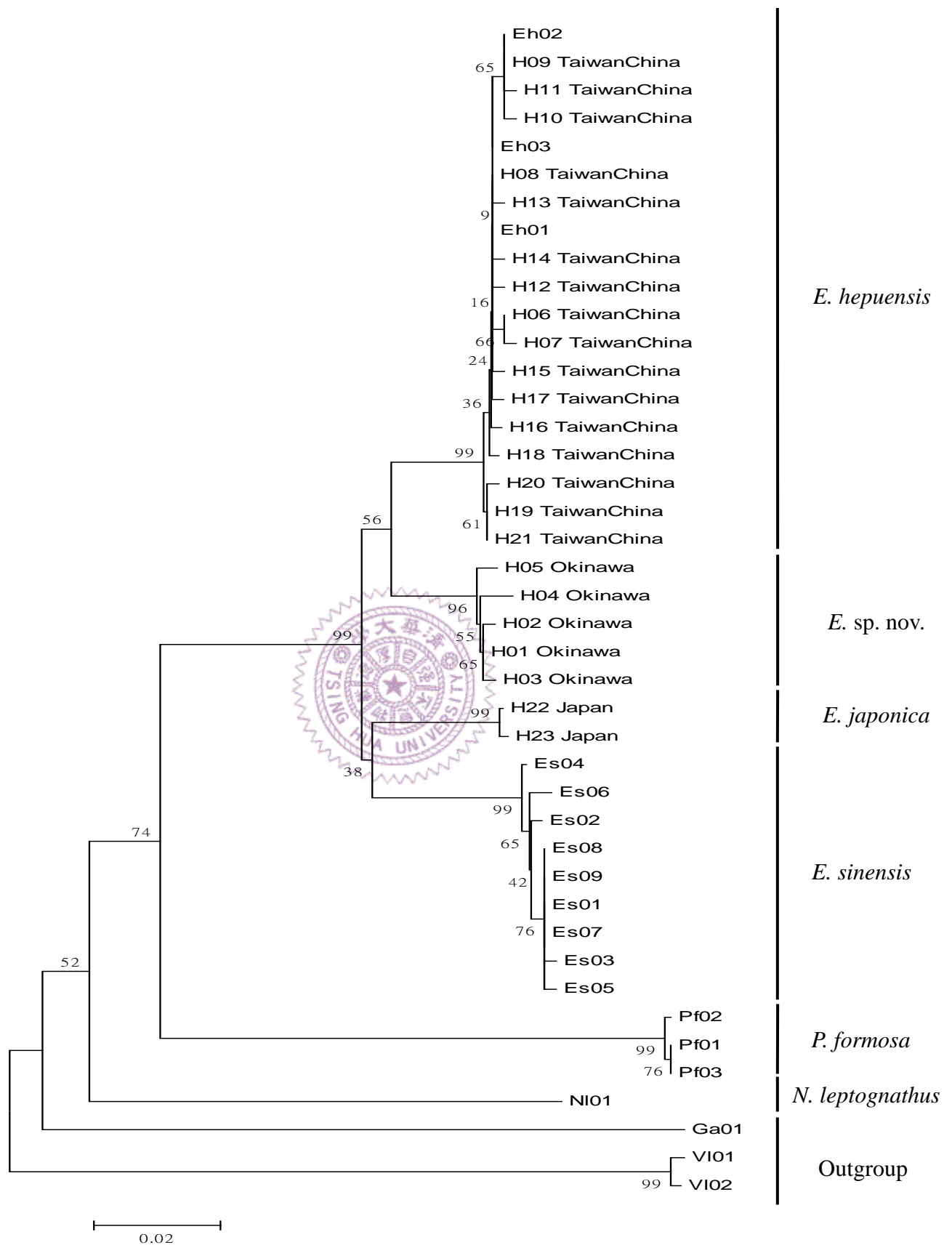
HCO2198: TAA ACT TCA GGG TGA CCA AAA AAT CA

COI-fR: CGT CGT GGT ATG CCD TTT ARW CCT A



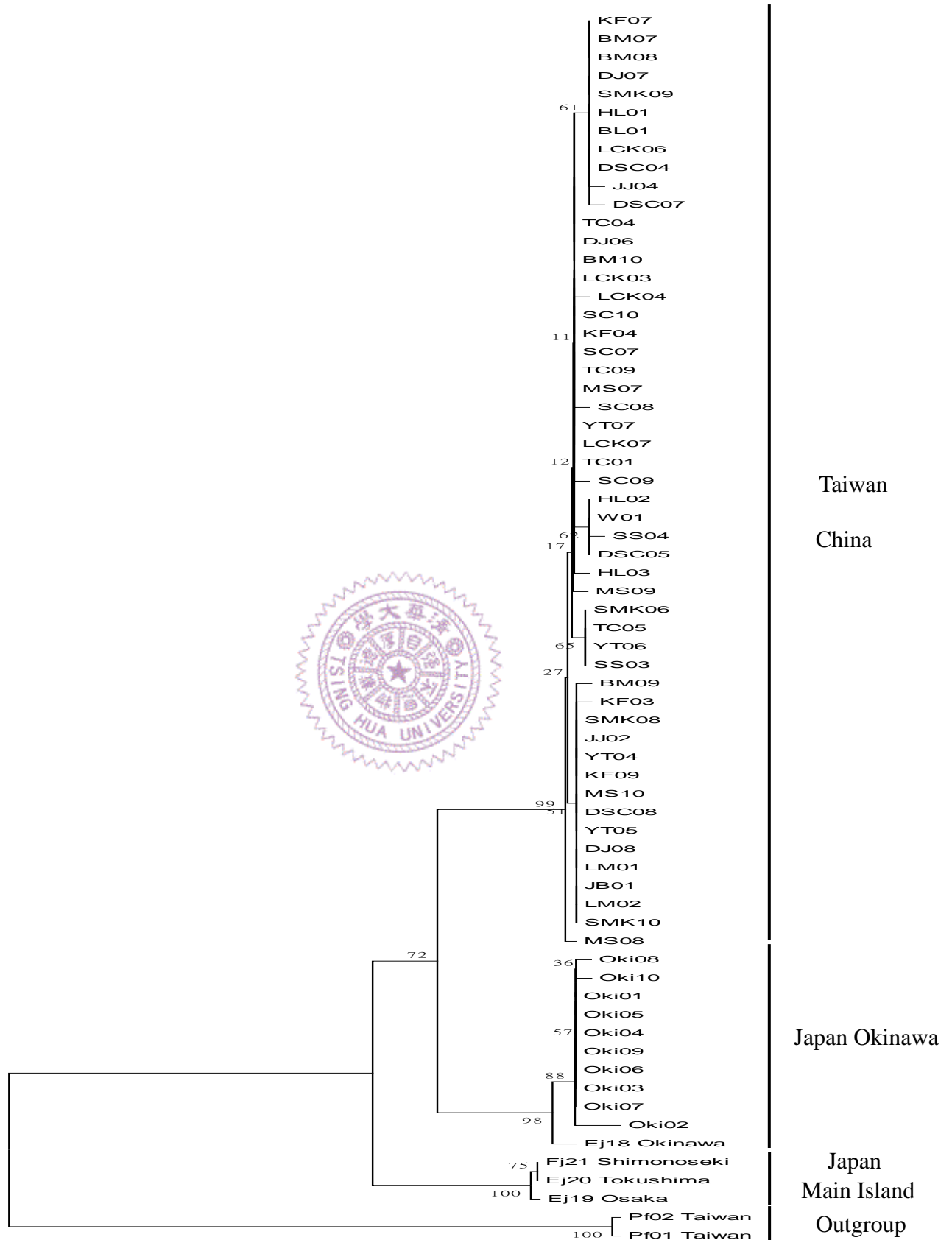
圖三、日本絨螯蟹各族群採集地點分布圖與地理區的劃分圖

Fig. 3. Sample localities and the geographical regions of *E. japonica*.



圖四、絨螯蟹之親緣關係圖 (NJ Tree)

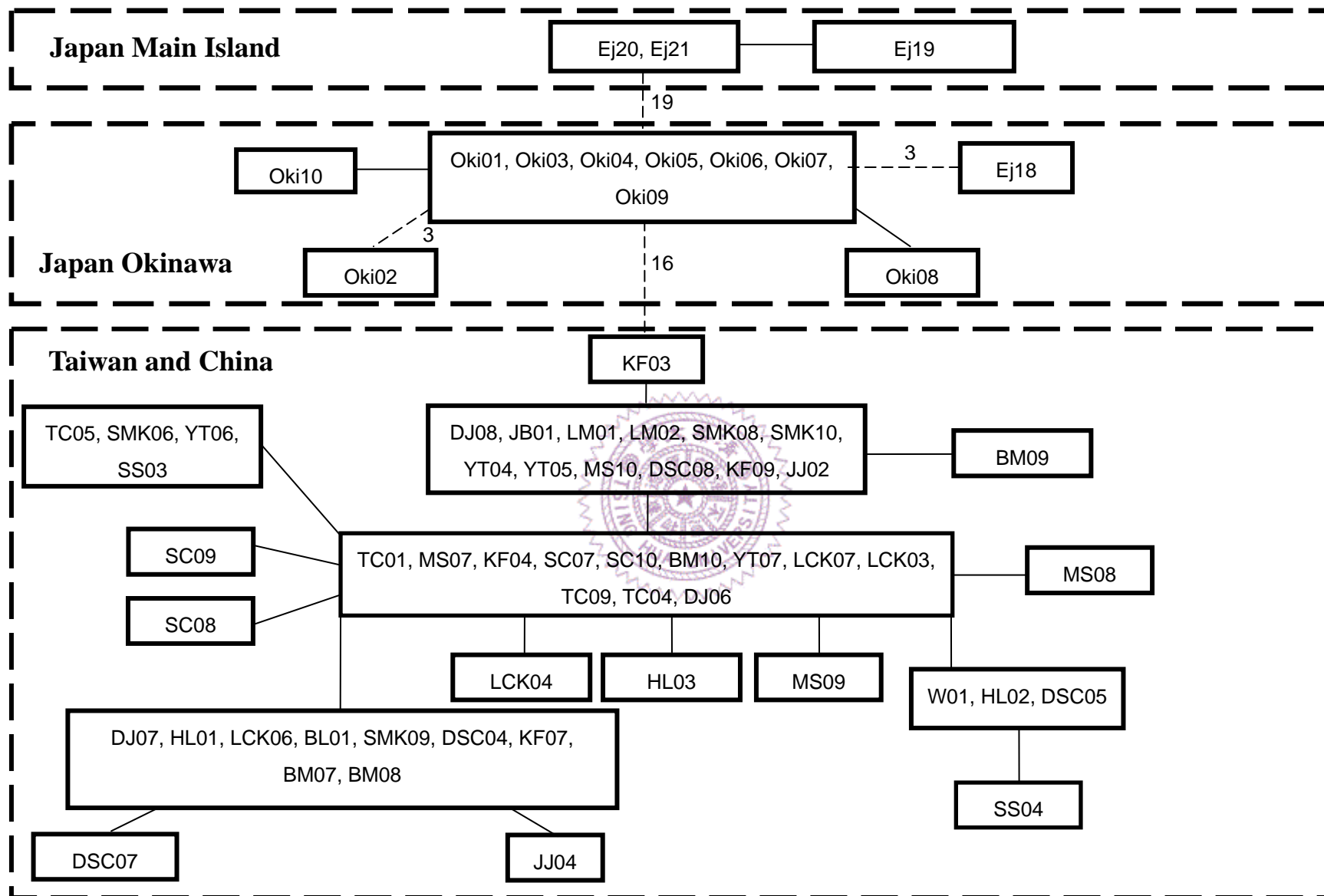
Fig. 4. The NJ Tree of the mitten crabs.



圖五、日本絨螯蟹 (*E. japonica*) 之親緣關係圖 (NJ Tree)

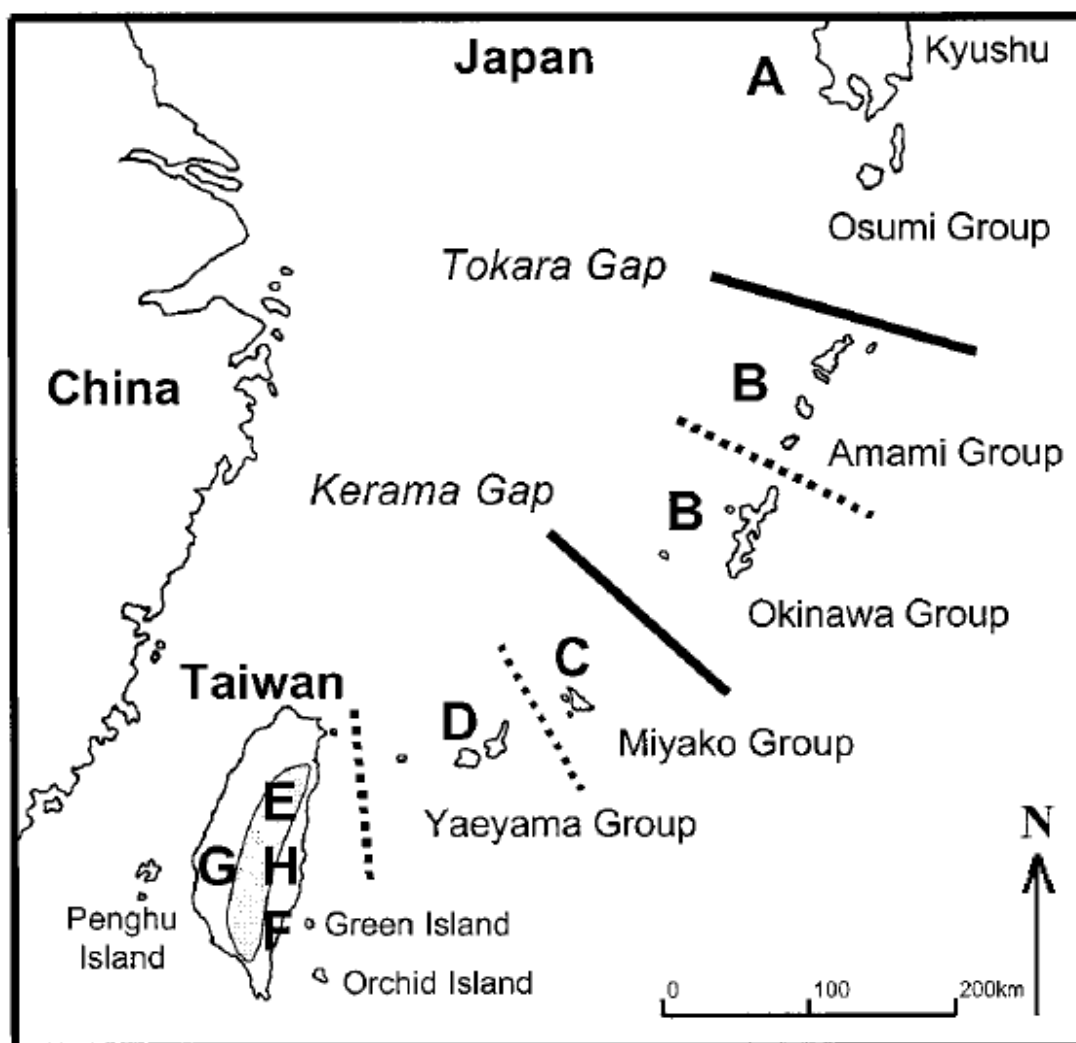
Fig. 5. The NJ Tree of *E. japonica*.

附註：Outgroup 為台灣扁絨螯蟹 (*P. formosa*).



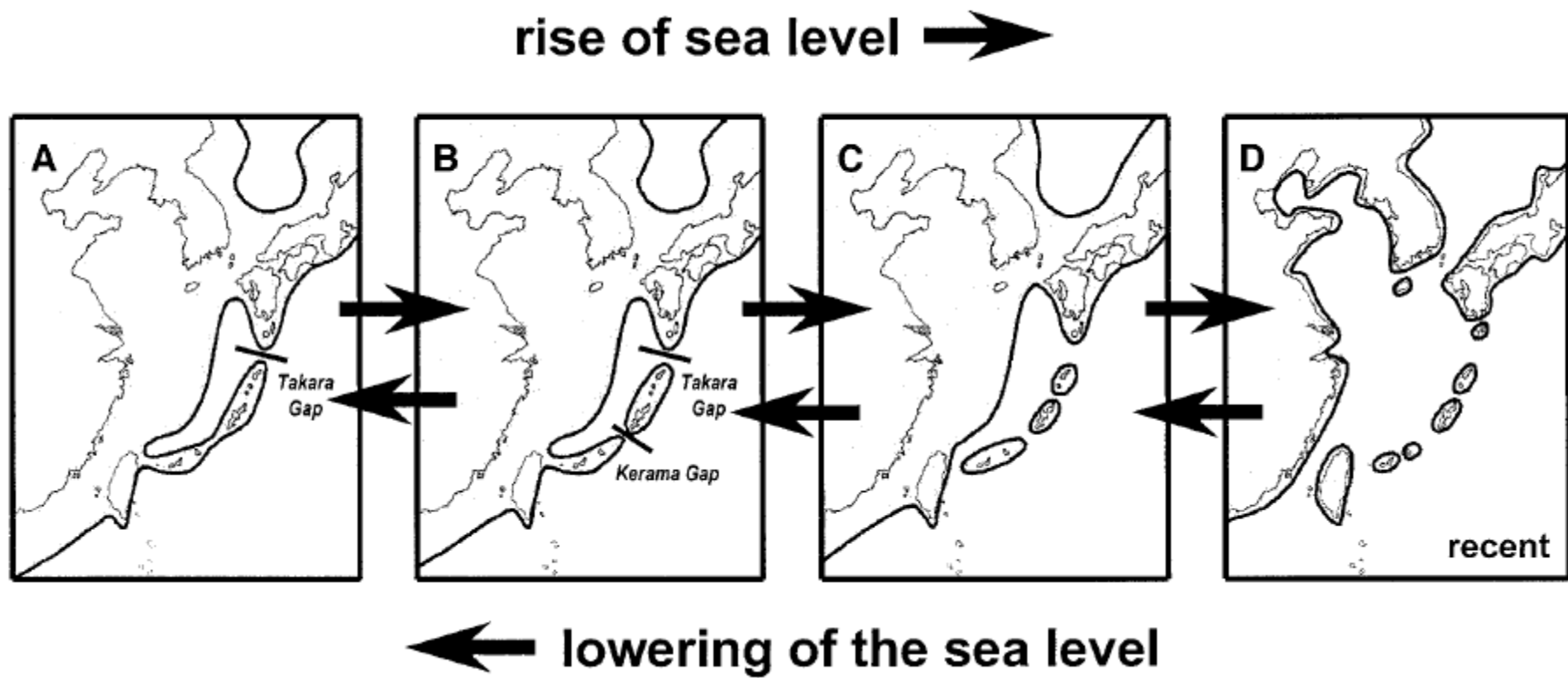
圖六、日本絨螯蟹 (*E. japonica*) 之 Minimum-spanning network 圖譜

Fig. 6. Minimum-spanning network of *E. japonica*.



圖七、介於日本本島、琉球、與台灣之間的兩個海槽（Tokara Gap and Kerama Gap）地理位置示意圖（Lin *et al.*, 2002）

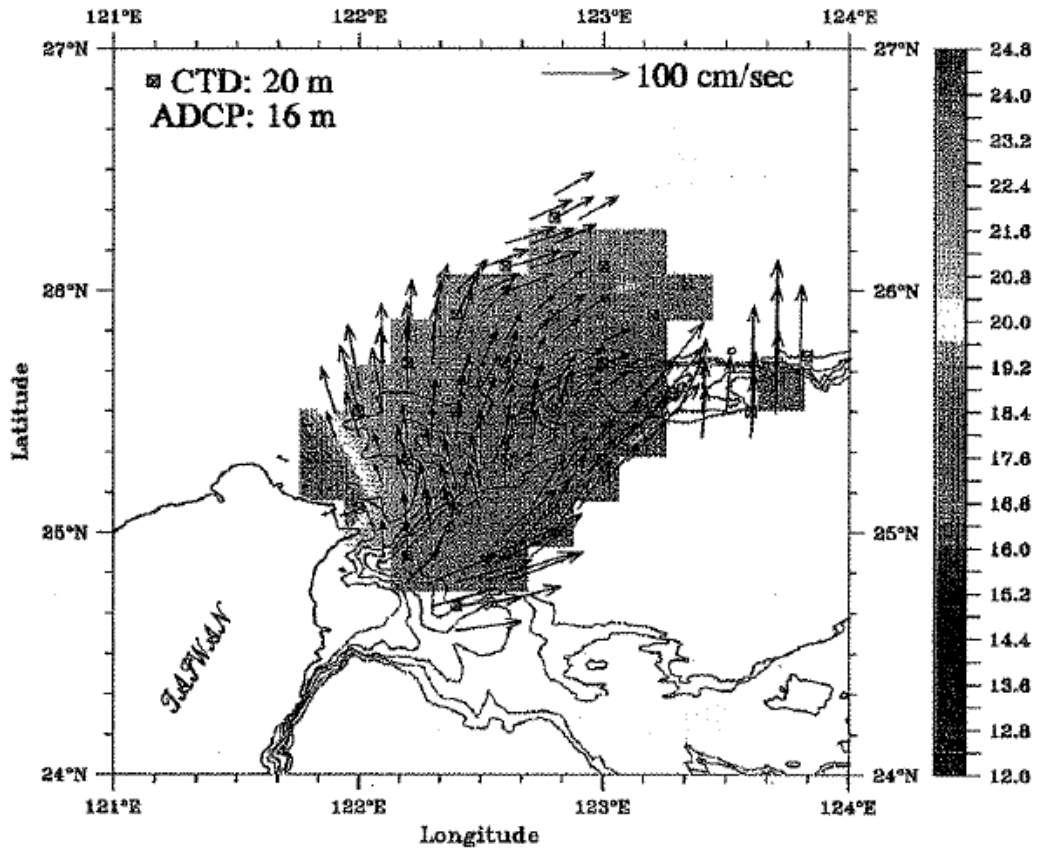
Fig. 7. Two gaps (Tokara Gap and Kerama Gap) between Japan, Okinawa and Taiwan (Lin *et al.*, 2002).



圖八、冰河時期對於東亞海平面上升與下降影響示意圖 (Lin *et al.*, 2002)

Fig. 8. The connection patterns of island groups are influenced by the sea level alterations due to glaciation (Lin *et al.*, 2002).

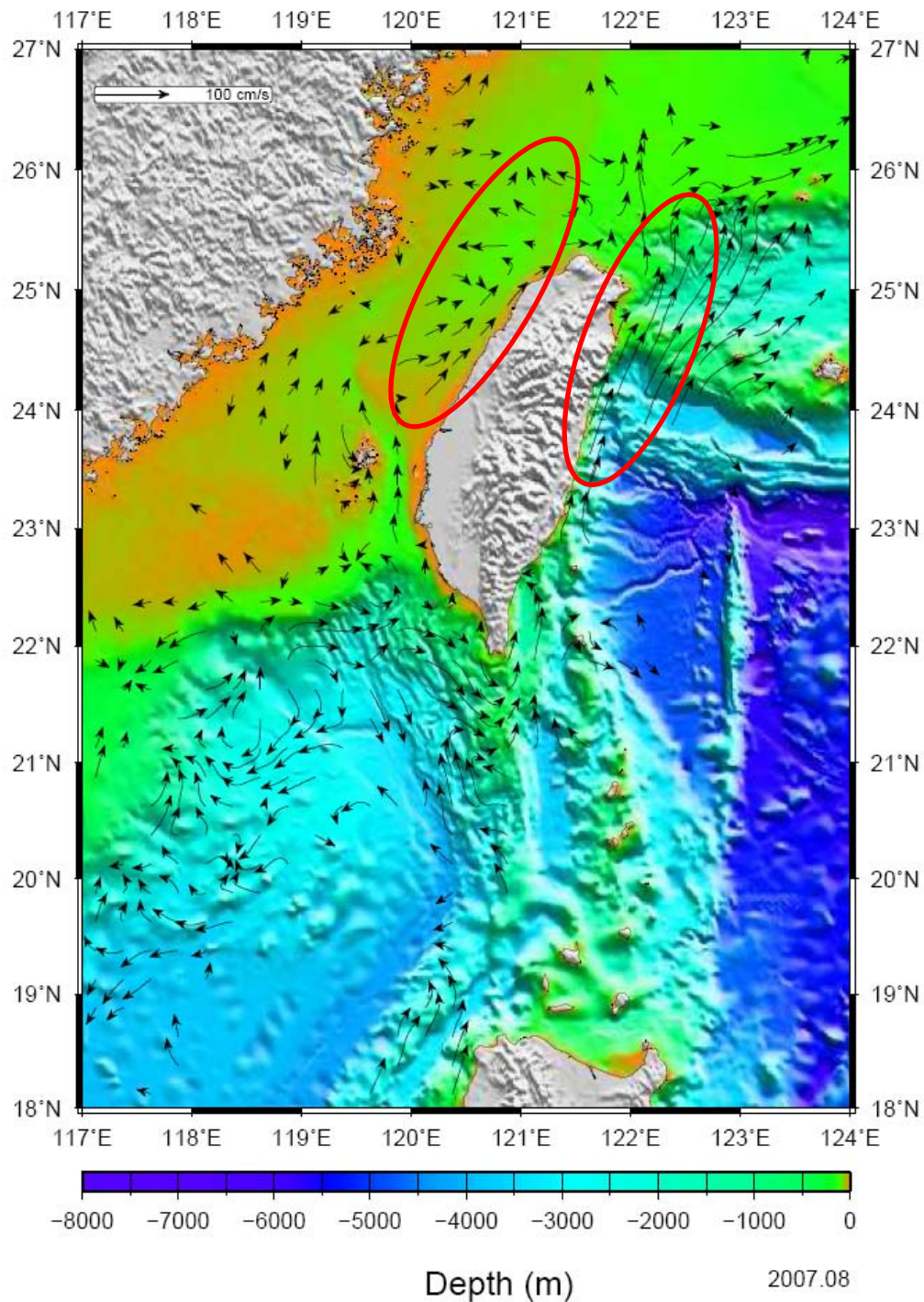
Horizontal Distributions of Velocity and Temperature in March, 1995



圖九、 1995 年冬季東北角外海海流流動示意圖 (詹等, 1996)

Fig. 9. The sea current of the North-East Taiwan in the winter (Chan, 1996).

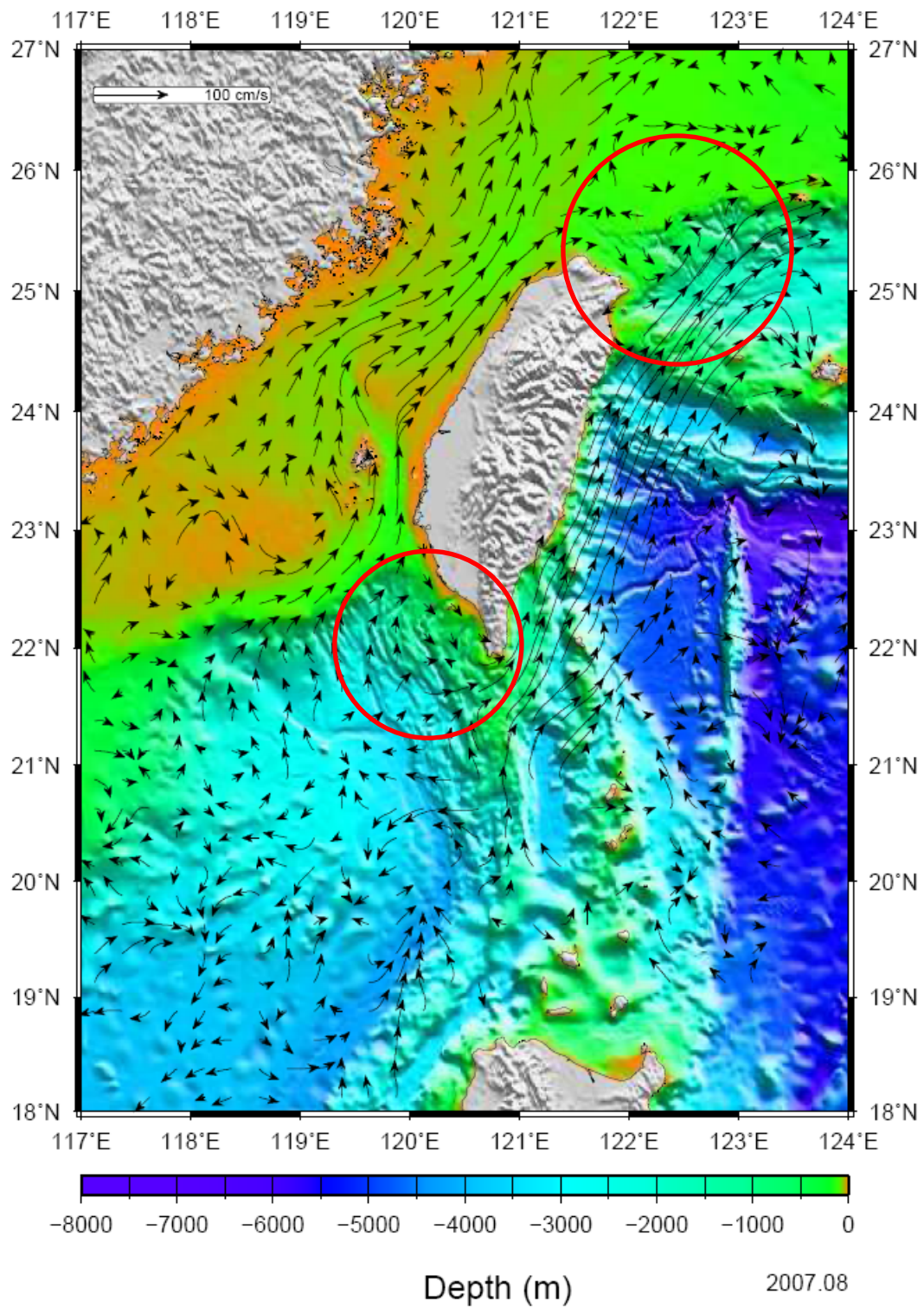
Composite Current Velocity Vectors at 020 m
1991~2007
Winter(Dec. – Feb.)



圖十、冬季台灣沿岸的海流流況示意圖（國家海洋研究中心，2007）

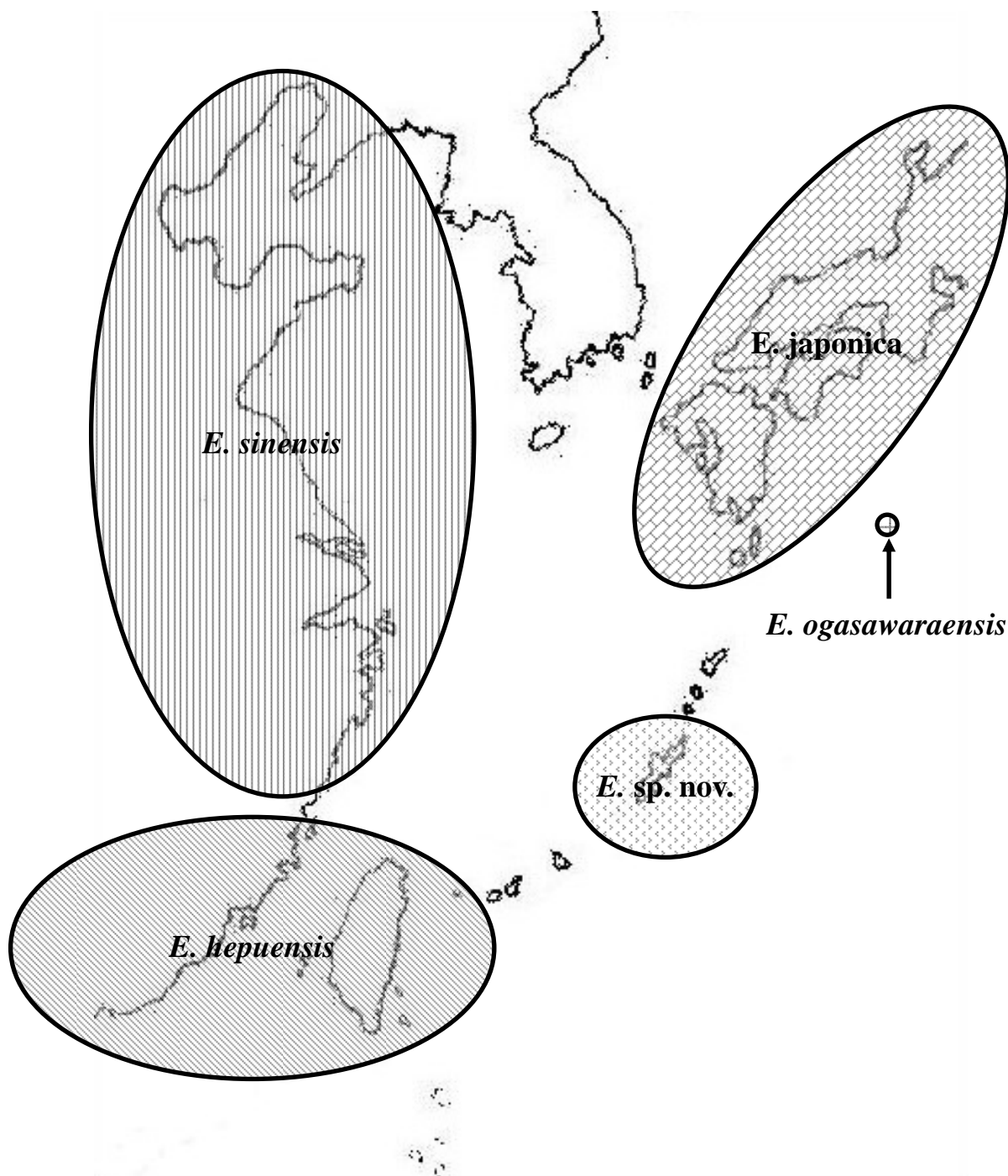
Fig. 10. The sea current around Taiwan. (National Center for Ocean Research, 2007).

Composite Current Velocity Vectors at 020 m
1991~2007
Summer(Jun. – Aug.)



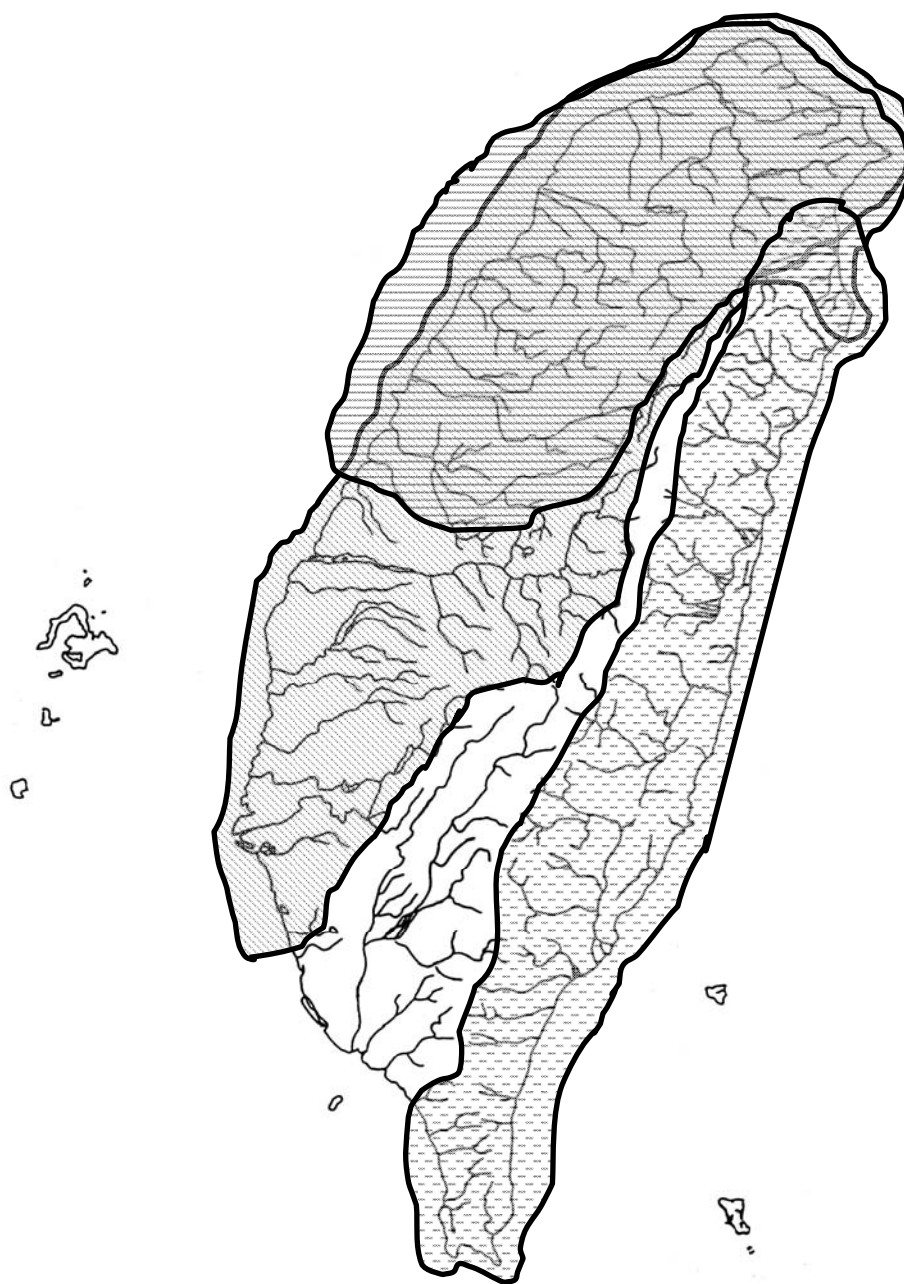
圖十一、夏季台灣沿岸的海流流況示意圖（國家海洋研究中心，2007）




Fig. 11. The sea current around Taiwan. (National Center for Ocean Research, 2007).



圖十二、絨螯蟹屬各種的分布位置圖

Fig. 12. The distribution of the mitten crabs of *Eriocheir*.



-  早期日本絨螯蟹的分布 (李等, 1977)
-  現今日本絨螯蟹的分布
-  現今台灣扁絨螯蟹的分布

圖十三、絨螯蟹於台灣的分布情形

Fig. 13. The distribution of mitten crabs in Taiwan