

## **A new record of *Dorippe quadridens* (Fabricius, 1793) (Decapoda, Brachyura, Dorippidae) from the north western Persian-Arabian Gulf, Iraq**

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### **Abstract**

In the present note the crab *Dorippe quadridens* is reported for first time from the north western Persian-Arabian Gulf, Iraq. This species is widely distributed in the Persian-Arabian Gulf. Details of the morphological characters of the species are given.

**Keywords:** *Dorippe quadridens*, Brachyura, Dorippidae, Iraq

### **Introduction**

In the Persian Gulf, there are two species belonging to the family Dorippidae: *Dorippe quadridens* (Fabricius, 1793) and *Dorippoides nudipes* Manning and Holthuis, 1986. *D. quadridens* (Fabricius, 1793) is a widely distributed species in the Indo-West Pacific region, extending from the Suez Canal, the Red Sea and south-eastern Africa to Hong Kong, the Philippines, Indonesia and Australia (Naderloo, 2017).

We hereby report the first record of *D. quadridens* from the north western of the Persian Gulf.

### **Materials and methods**

One specimen of *Dorippe quadridens* was collected from the north western part of the Persian-Arabian Gulf, Fao region (Fig. 1) on June 2012. The specimen is preserved in 70% alcohol and deposited in the Marine Science Centre (MSC), University of Basrah, Iraq. Carapace Width (CW) and Carapace Length (CL) were taken with an electronic calliper and are given to the nearest mm.

### **Results and Remarks**

#### **Systematics**

Order Decapoda Latreille, 1802

Family Dorippidae MacLeay, 1838

Genus *Dorippe* Weber, 1795

*Dorippe quadridens* (Fabricius, 1793)

(Fig.2)

Examined material – Iraq, Fao region 29°52'54.86"N, 48°43'45.19"E, June 2012, coll. A. Gh. Yasser,, 1 male CL = 25.4, CW = 27.4 mm (MSC 75).

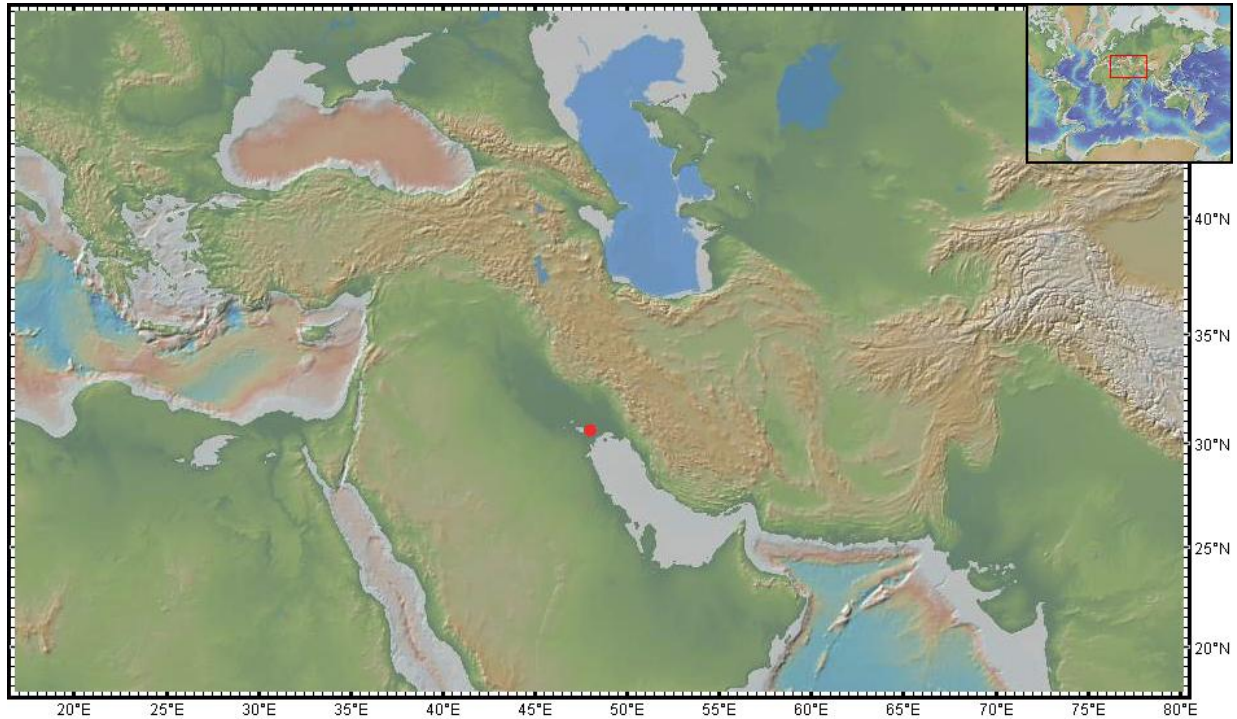


Figure 1. Sampling site from Fao region (red dot)

Diagnosis - Carapace quadrate to subquadrate, lateral margins relatively straight, somewhat diverging posteriorly, junction between anterolateral and posterolateral margins unclear. Front relatively broad. Eyes relatively small. Third maxillipeds with triangular merus, not completely covering anterior part of buccal cavern. Chelipeds relatively small, subequal. Walking legs relatively long, with dense setae.

Remarks - *Dorippe quadridens* can be distinguished from the other species present in the Persian Gulf, *Dorippoides nudipes*, by the carapace proportion, which is broader than long, no large granules on dorsal surface, small granules on posterolateral region of carapace; inner orbital angle not extending beyond exorbital angle, while in *D. nudipes*, the carapace is distinctly longer than broad, dorsal surface with large granules; inner orbital angle extending beyond of exorbital angle.

Distribution - Persian Gulf: Iran (Nobili, 1906; Stephensen, 1946; Naderloo and Sari, 2007), Kuwait (Apel, 2001), Saudi Arabia (Basson et al. (1977) as *Dorippe dorsipes*), Apel (2001), Bahrain (Stephensen, 1946), United Arab Emirates (Apel, 2001) and now in Iraq.



Figure 2. *Dorippe quadridens* (Fabricius, 1793), male (MSC 75), Iraq, Fao region.

### **Conflicts of Interest**

There are no conflicts of interest between the Authors.

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