

Fishes observed at Windsor Nature Park

Tan Heok Hui

heokhui@nus.edu.sg

Subjects: Indochinese saddle barb, *Barbodes rhombeus* (Teleostei: Cyprinidae);
Two-spot rasbora, *Rasbora elegans* (Teleostei: Cyprinidae);
Sunda pygmy halfbeak, *Dermogenys collettei* (Teleostei: Zenarchopteridae);
Guppy, *Poecilia reticulata* (Teleostei: Poeciliidae);
Platy, *Xiphophorus maculatus* (Teleostei: Poeciliidae).

Subjects identified by: Tan Heok Hui.

Location, date and time: Singapore Island, Upper Thomson, Windsor Nature Park, near Venus Drive; 27 December 2018; 0930-1030 hrs.

Habitat: Small, semi-natural freshwater stream with earth banks in suburban parkland. It forms a pond before flowing out into a concrete drain.

Observers: Tan Heok Hui & Koh Li Ling.

Observation: The following fishes were identified from along a boardwalk overlooking the stream: over 50 examples of *Barbodes rhombeus* (Fig. 1), some *Dermogenys collettei* (Fig. 3) and some *Poecilia reticulata* (Fig. 4) in the concrete drain outflow; two *Rasbora elegans* (Fig. 2) in the natural streamline; and at least two *Xiphophorus maculatus* (Fig. 5) in the pond. The dorsal views of the fishes are illustrated in Fig. 1 to 5.

Remarks: Of the five fish species identified in the featured observations, *Rasbora elegans* and *Dermogenys collettei* are native to Singapore. The three non-native species have previously been documented from various locations. *Barbodes rhombeus* from Bukit Brown and the Mandai area (Tan et al., 2013; Tan & Low, 2014), *Xiphophorus maculatus* from Bukit Brown (Tan et al., 2013) and *Poecilia reticulata* from numerous areas (various sources, including Ng & Tan, 2010). *Barbodes rhombeus* and *Dermogenys collettei*, although noted here as occurring in the concrete drain, are also present in the natural streamline (personal observations).

The stream that drains Windsor Nature Park joins the Kallang River, which eventually flows into the Marina Reservoir.

References:

- Ng H. H. & H. H. Tan, 2010. An annotated checklist of the non-native freshwater fish species in the reservoirs of Singapore. *COSMOS*. 6 (1): 95-116.
- Tan H. H. & B. W. Low, 2014. Pearl danio at Mandai. *Singapore Biodiversity Records*. 2014: 278.
- Tan, J. Y. H., L. H. C. Tan, G. Quek, V. S. F. Lim & H. H. Tan, 2013. The fish fauna of Bukit Brown, Singapore. *Nature in Singapore*. 6: 229-237.



Fig. 1. Indo-chinese saddle barbs (*Barbodes rhombeus*) in the concrete drain outflow from Windsor Nature Park.



Fig. 2. Two-spot rasbora (*Rasbora elegans*).



Fig. 3. Sunda pygmy halfbeak (*Dermogenys collettei*).



Fig. 4. Guppies (*Poecilia reticulata*), male on the right.



Fig. 5. Platies (*Xiphophorus maculatus*).

Photographs by Tan Heok Hui