OCCURRENCE OF THE LITTLE KNOWN DUBIOUS FIVE-RING YPTHIMA PARASAKRA ELIOT IN GARHWAL HIMALAYA

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ABSTRACT

A survey carried out from Sankri village to Har-ki-Doon valley in Uttarkashi district, Uttarakhand revealed the occurrence of dubious five ring Ypthima parasakra Eliot (1987). The identity of the species was confirmed on examination of its male genitalia and its comparison with its congener, the Himalayan five-ring Y. sakra Moore (1958). This is the first site specific record of this little-known species from the Garhwal region of Uttarakhand, Western Himalaya, which is otherwise known from Central and Eastern Himalaya, in India. A brief account on the habitat of the species is given.

Key words: Satyrinae, Ypthima, male genitalia, uncus, valva, blue pine, temperate forest, Uttarkashi, Western Himalaya

Ypthima parasakra Eliot (1987) is known to occur as three races from Central to Eastern Himalaya in Nepal, Bhutan, India, adjoining parts of South Tibet and Yunnan in China. The nominate one Y. p. parasakra Eliot was described from Central Nepal (type locality Larjung). This subspecies has since then been extensively reported from Mustang, Manang and Lantang districts of Nepal (2155-2677 masl- Eliot, 1987; Smith, 1989; Smith, 2006); Bhutan (Eliot, 1987; Gasse, 2013), Sikkim (D’Abrera, 1985) and Arunachal Pradesh (Anon., 2021). The second one Y.p.menpae Huang was described from Hanmi in South Tibet, China (Huang, 1999), while the third one Y. p. mabiloa Huang was also documented from type locality Xiongdang, China (Huang and Wu, 2003). And, Y. parasakra remained to be reported from the Western Himalaya (Kehimkar, 2016; Singh and Sondhi, 2016; Sondhi and Kunte, 2018). A male specimen of Ypthima parasakra parasakra, was collected on 02.viii.2019 along the Supin river catchment close to Osla in Uttarkashi district, Uttarakhand (31.11453°N; 78.33553°E; 2543 masl) (Fig. 1). The vegetation comprised mostly blue pine Pinus wallichiana; deodor Cedrus deodara; kharsu oak Quercus semecarpifolia; and Rubus ellipticus, Berberis aristata, etc. The specimen is kept in Arun P Singh Collection, Forest Research Institute, Dehradun. The identity of the species was confirmed by genitalia dissection. On comparison with its congener Himalayan five-ring Y. sakra Moore (1958) from Garhwal (Rose and Sharma, 1999). It was observed that both the species were quite similar except that in Y.parasakra the ‘uncus’ was longer and thinner (Eliot, 1987). The ‘valva’ in Y. parasakra is axe-like at the distal end and hooked at the apex, while in Y. sakra ‘valva’ is nearly rounded and blunt at apex (Figs. 2, 3). This record from Western Himalaya is significant as it lies 580 km from Mustang,
Nepal, the known western limit in the distribution range of this species in the Himalaya.

REFERENCES


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