

## **I. Description**

Saprophytic herb without chlorophyll and leaves, peduncle up to 60 cm high, crispy with scales at bottom.

Inflorescence 6-10 flowered, up to 60 cm tall, crispy; bract 1 cm long, narrow and acute; ovary and pedicel 2 cm long; dorsal sepal big 8x3 mm; petals lightly narrow; lip 8-9 mm long with small side-lobes, center lobe shovel-shaped; column 5-9 mm tall; pollinium 2.

Capsule 2 cm long.

## **II. Identification**

Based on the pictures of this plant we sent to him, Averyanov (2007) has identified it as an *Aphyllorchis montana* (Reichenb.f.) or *Aphyllorchis striata* (Ridl.) Ridl., because the photographs of the lip of the flower is not clear enough to be more correctly identified.

Also based on the specimen of this plant and its description from an illustrated flora of Vietnam of Pham Hoang Ho, we identify it as *Aphyllorchis montana* (Reichenb.f.), sub-family Neottioideae.

Therefore, this orchid species is also recorded at Phu Quoc island on the map of orchid distribution of Vietnam.

## **III. Distribution**

*Aphyllorchis montana* (Reichenb.f.), was found in southern Vietnam, Kien Giang Province, Phu Quoc District, K7-Ham Ninh Mountain of Phu Quoc National Park, around point 10<sup>0</sup> 22' N, 104<sup>0</sup> 00 E.

It is under broad-leaved, evergreen, closed forest nearby a stream, on a west-facing steep slope of more than 30<sup>0</sup> and on sandy soil with partially decomposed forest floor at an elevation of 380 m a.s.l (approximately).

A single specimen of this orchid species was found on partially decomposed leaf litter beside the path, near a large stream in the K7- Ham Ninh Mountain Chain, under primary average-wooden forest (class IIB according to classification for production forest of FIPI) with canopy of 0.5, 20-25 cm diameter at breast height (DBH), 12-20 m high, and dominant species such as: *Shorea guiso*, *Vatica odorata*, *Tristanopsis merguensis*, *Garcinia spp*, *Callophyllum dryobalanoides*, *Croton spp*, *Memecylon spp*

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<sup>1</sup> WAR's consultants

<sup>2</sup> PhuQuoc project's manager

<sup>3</sup> Forestry ranger of Forest protection department of PhuQuoc National Park

#### IV. Flowering season:

July (according to our direct observation of one plant in the wild)

#### V. Conservation status:

- Decree 32/2006/N<sub>-</sub>CP: none
- IUCN red book: none
- According to Prof. Leonid V. Averyanov: Data deficient

#### Acknowledgment

*We would like to express our sincere thanks to Professor Averyanov for his valuable support with species identification. Also thanks to Phu Quoc National Park authority for its cooperation and implementation of plant surveys.*

#### References

Leonid V. Averyanov & Anna L. Averyanova. 2003. Updated Checklist of The Orchids of Vietnam. Vietnam National University Publishing House, Hanoi.

Pham Hoang Ho. 1993 An illustrated flora of Vietnam. Montreal.

<http://www.iucnredlist.org/> The 2006 IUCN Red List of Threatened Species.

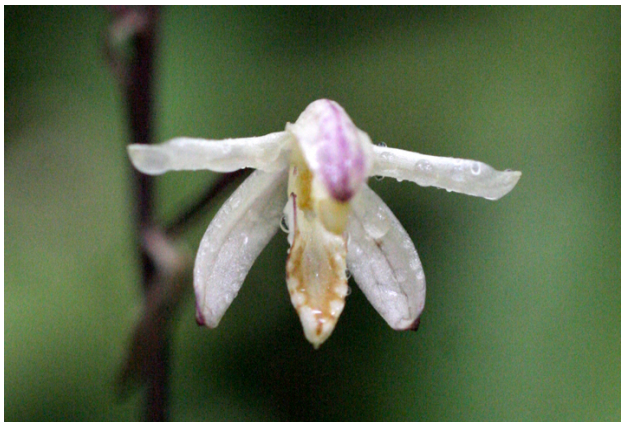
<http://www.kiemlam.org.vn/> Decree 32/2006-N<sub>-</sub>CP

#### Some photos of species

*Orchid in the wild*



*Close-up of flower*



*All photos: Nguyen Vu Khoi – Wildlife At Risk (WAR) – 2007*