

# Hong Kong Firefly Survey Team 2020-21 - A brief summary

Number of Team members



Number of surveys done

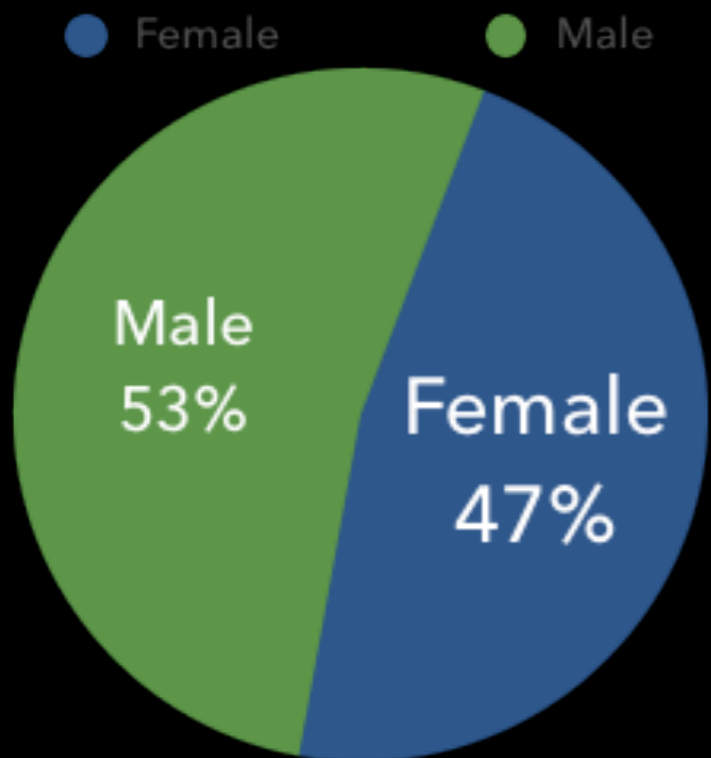


Number of surveyed site

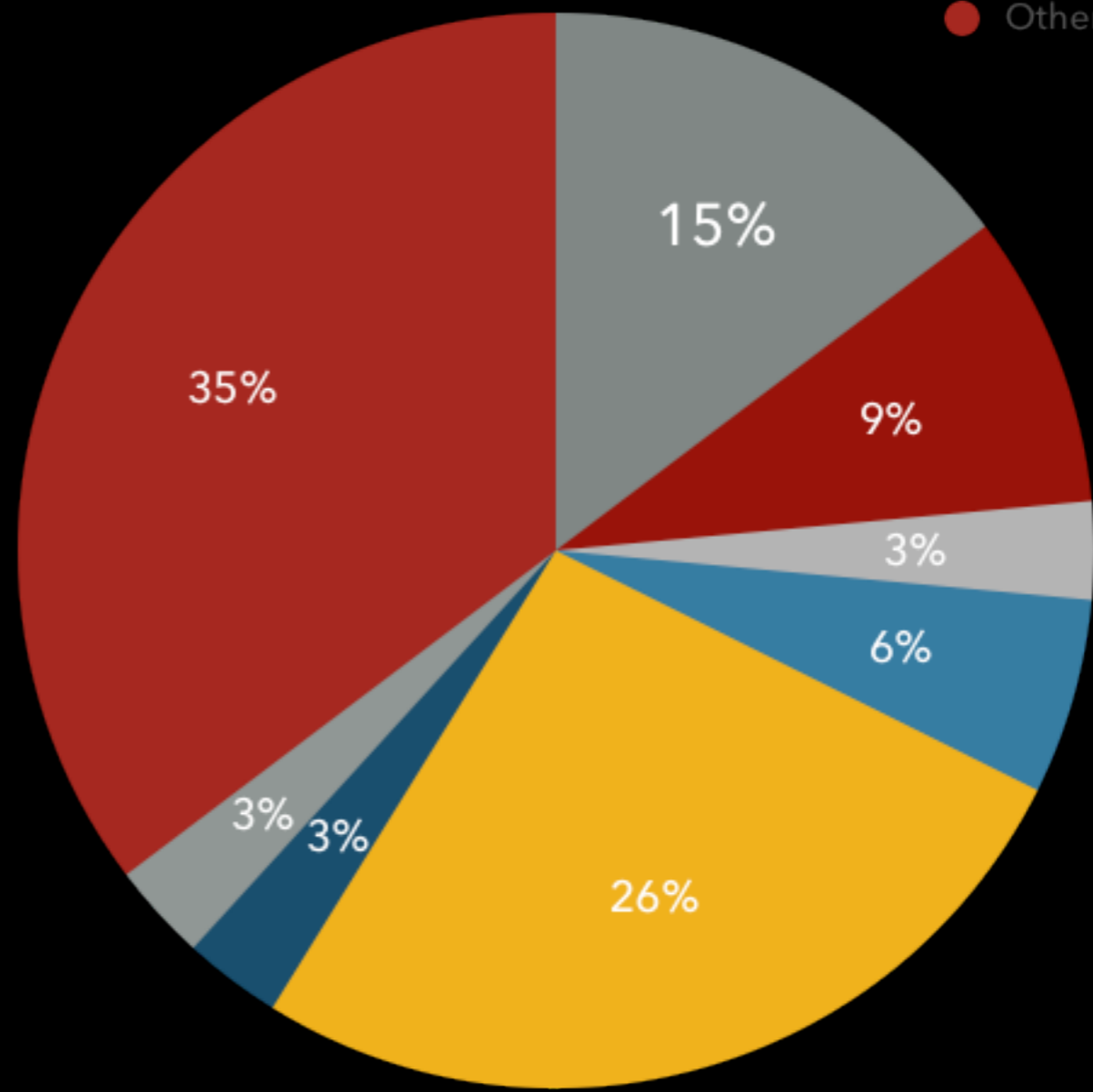


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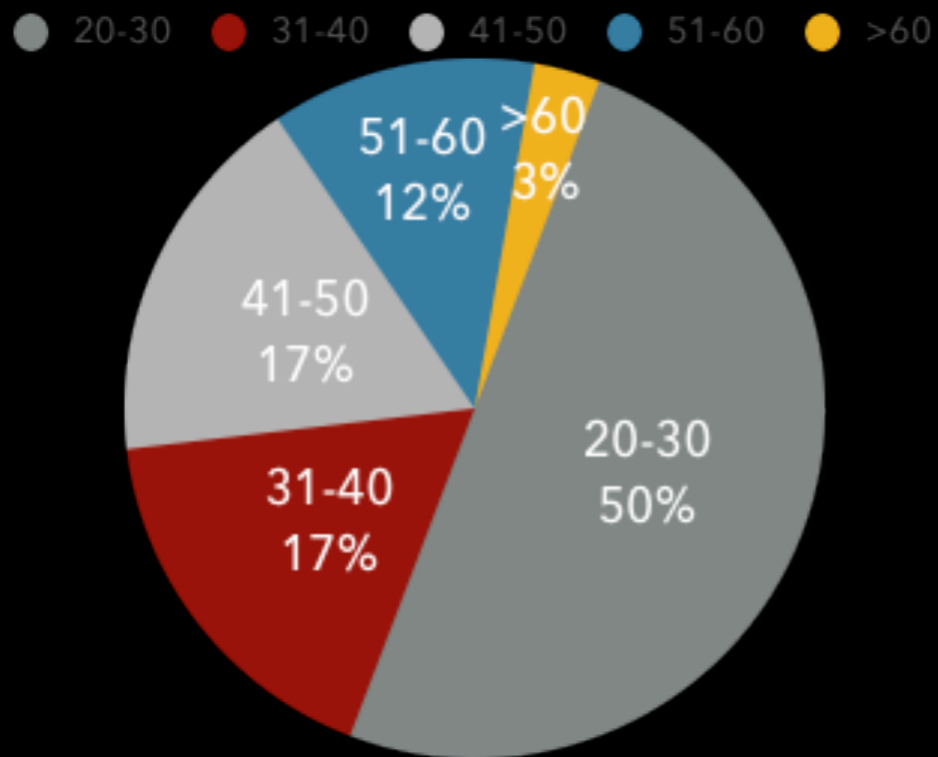
GENDER OF TEAM MEMBERS



OCCUPATION OF TEAM MEMBERS



AGE OF TEAM MEMBERS



Composition of firefly survey team members

# Hong Kong Firefly Survey Team 2020-21 - A brief summary

*Firefly morphology*

*Life History*

*Seasonality*

*Sex Communication*

*Flash Patterns*

*Local Restrictedness*

*Habitats*

*Firefly studies*

*Classification & Nomenclature*

*Rhagophthalmidae*

*Ototretinae*

*Cyphonocerinae*

*Lampyrinae*

*Luciolinae*

*Threats*

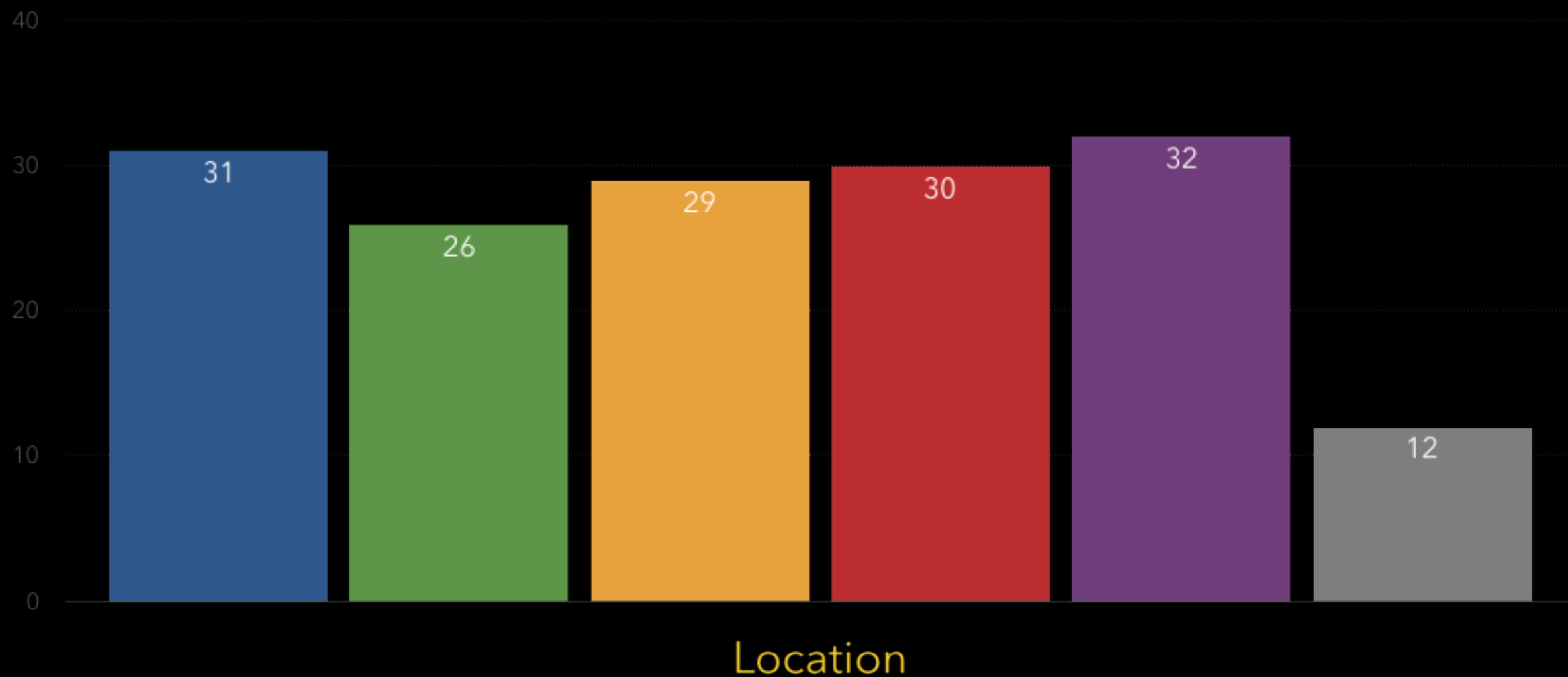


**Lectures**

# Hong Kong Firefly Survey Team 2020-21 - A brief summary

■ Sze Lok Yuen ■ Tai Mo Shan ■ Tin Shui Wai ■ Sha Lo Tung ■ Tai Po Kau ■ Ng Tung Chai

LOCATION AND NUMBER OF PARTICIPANTS




Practical Trainings - Aug to Dec 2020

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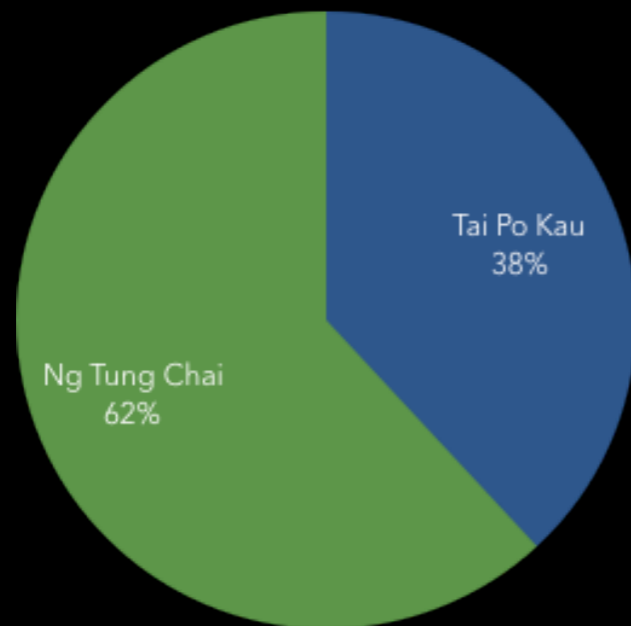
Site  **Tai Po Kau**  
 **Ng Tung Chai**

No. of participants  
 **22**

Survey Period  
 **Apr - May**  
**2021**

No. of surveys done  
 **42**

## SURVEY FREQUENCY



## Results



**Both ♂ & ♀  
were not found**


Looking for female *Diplocladon atripennis*

# Hong Kong Firefly Survey Team 2020-21 - A brief summary

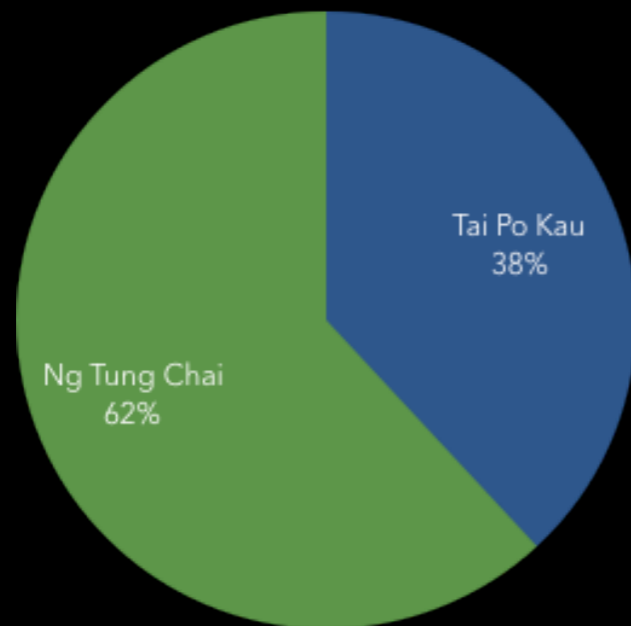
Site  **Tai Po Kau**  
 **Tai Tong**

No. of participants  
 **20**

Survey Period  
 **Apr - May**  
**2021**

No. of surveys done  
 **30**

## SURVEY FREQUENCY



## Results



♀ was found



Looking for female *Stenocladus* sp.

# Hong Kong Firefly Survey Team 2020-21 - A brief summary



Site

**Tai Tong Nature Trail, Tsing Yi Nature Trail, Robin's Nest, Cloudy Hill North, Cloudy Hill South, Lan Nai Wan, Shui Long Wo, Shatin Pass, Black's Link, Mount Parker, Pak Mong, Fat Mun Ancient Path, Mui Wo**



No. of participants

**23**

No. of surveys done



**45**

Survey Period



**Jan - Feb  
2021**

Results



**A new location record  
was discovered**

**Clarifying the range of *Rhagophthalmus hiemalis***

# Hong Kong Firefly Survey Team 2020-21 - A brief summary



**Tei Tong Tsai Country Trail, Wong Lung Hang Country Trail, Nei Lak Shan Country Trail**



No. of participants

**7**

Survey Period



**May  
2021**

No. of surveys done



**11**

Results



**Both ♂ & ♀ were not found**

**Clarifying the range of *Oculogryphus chenghoiyanae***



# Hong Kong Firefly Survey Team 2020-21 - A brief summary



Site

**Tei Tong Tsai**



No. of participants

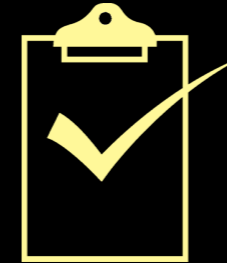
**15**

Survey Period



**May  
2021**

No. of surveys done



**17**

Results



**An apparently significant  
population reduction is detected.**

Monitoring population trend of *Oculogryphus chenghoiyanae*

# Hong Kong Firefly Survey Team 2020-21 - A brief summary



Site

**Tsuen Kam Au**



No. of participants

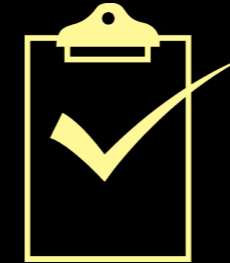
**17**

Survey Period



**Dec 2020  
- Feb 2021**

No. of surveys done



**31**

Results



A significant population  
reduction rate of 88% is found.

Monitoring population trend of *Rhagophthalmus hiemalis*

# Hong Kong Firefly Survey Team 2020-21 - A brief summary



Site

**Cheung Chau,  
Peng Chau,  
Sharp Island**



No. of participants

**4**

Survey Period



**May 2021**

No. of surveys done



**7**



Results



**No firefly was recorded**

**Surveying new sites (Smaller Islands)**

# Hong Kong Firefly Survey Team 2020-21 - A brief summary

*New location records for  
Stenocladus bicoloripes*

*New location records for  
Pyrocoelia lunata*

*New flight period record of  
Luciola nr. nicollieri*

*New record of predation of  
Lamprigera taimoshana by  
a harvestmen*

*Two probably undescribed  
firefly species*

*New location records for  
Vesta sinuata*

*New location records for  
Aquatica leii*

*New location records for  
Stenocladus sp.*

**Other findings**