

## Gracillariidae



Teksti: Harri Jalava (Perhoswiki 2015-04-29)

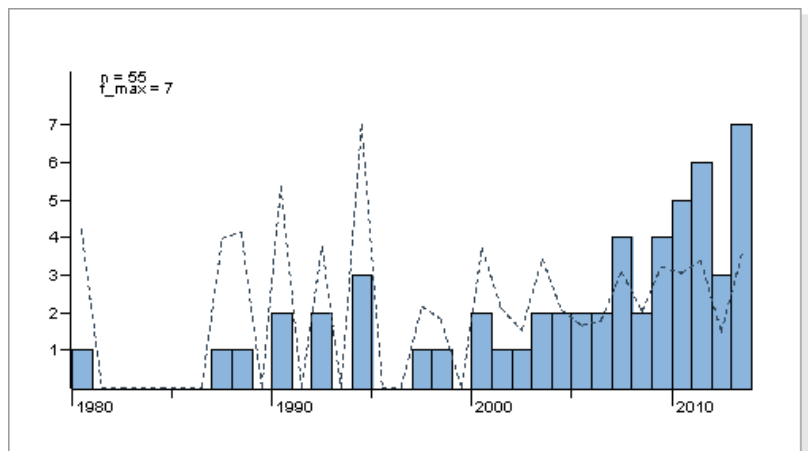
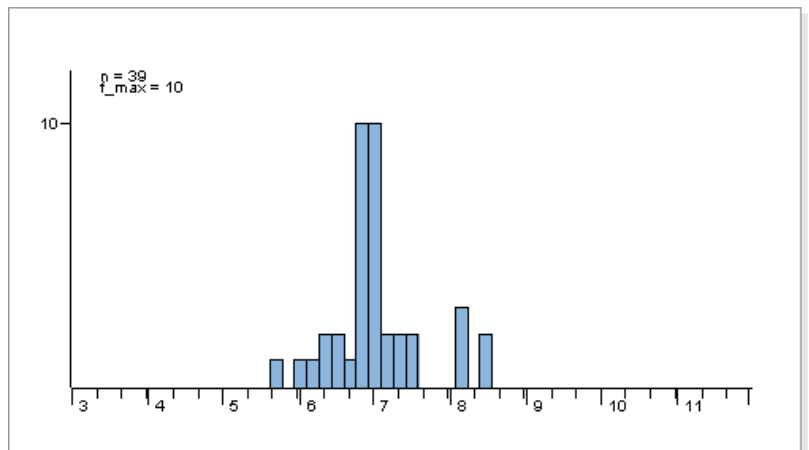
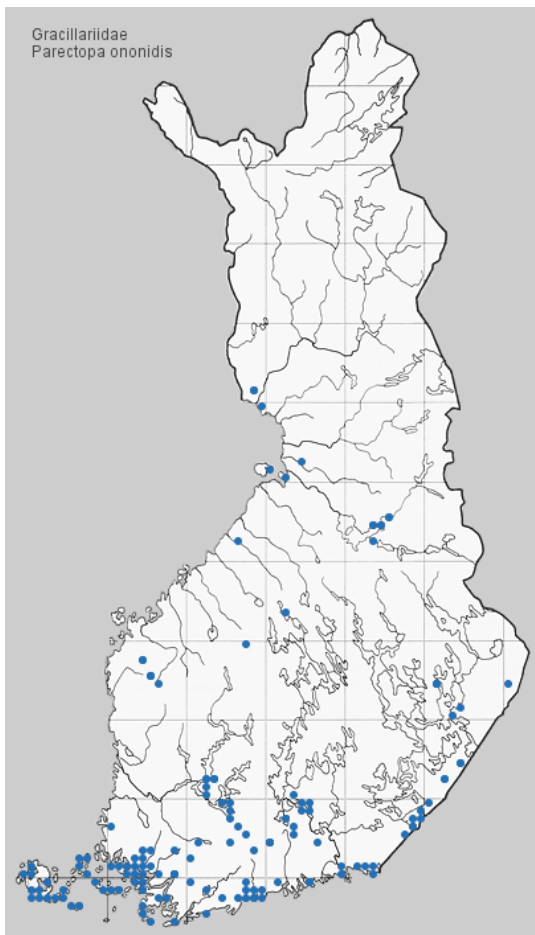
Kuvat: Kuvapankki (<http://insects.fi/insectimages/browser>)

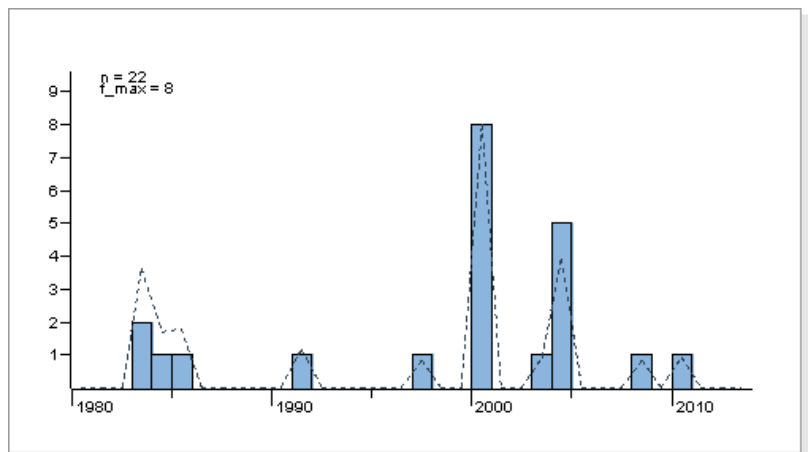
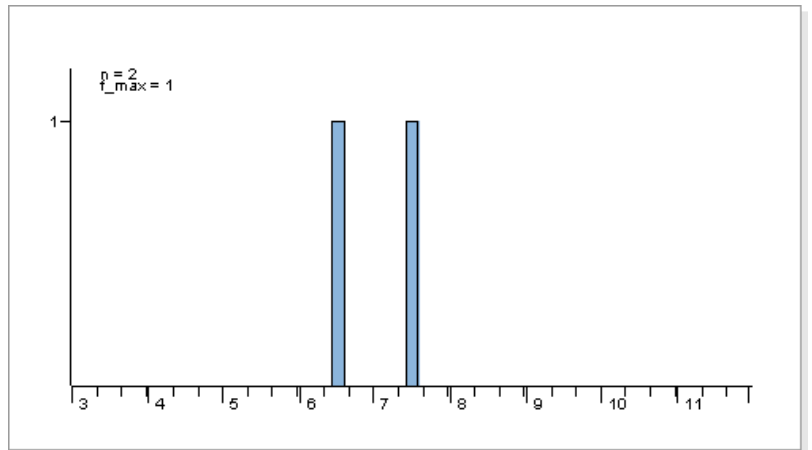
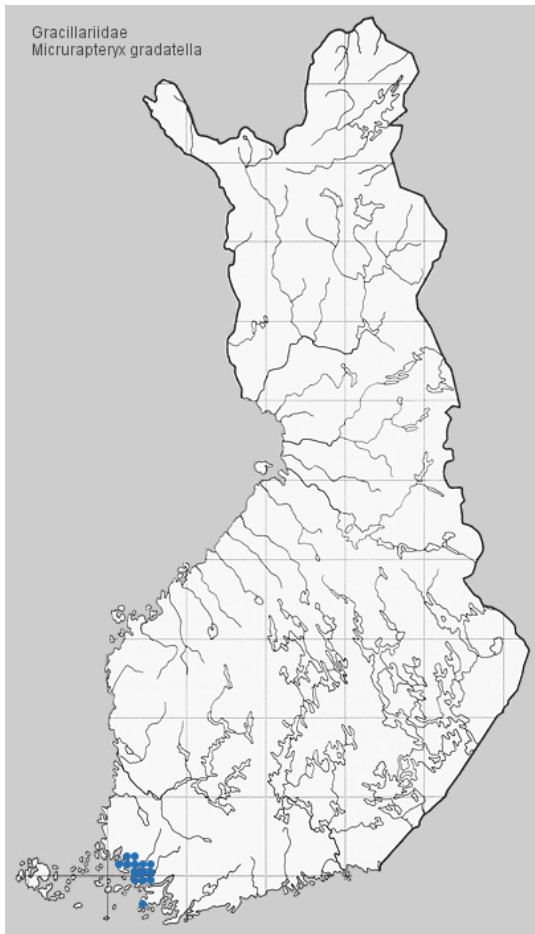
Havainnot: Hyönteistietokanta (<http://insects.fi/hyonteistietokanta/index.html>)

Ohjelmisto: iText (<http://itextpdf.com/>)



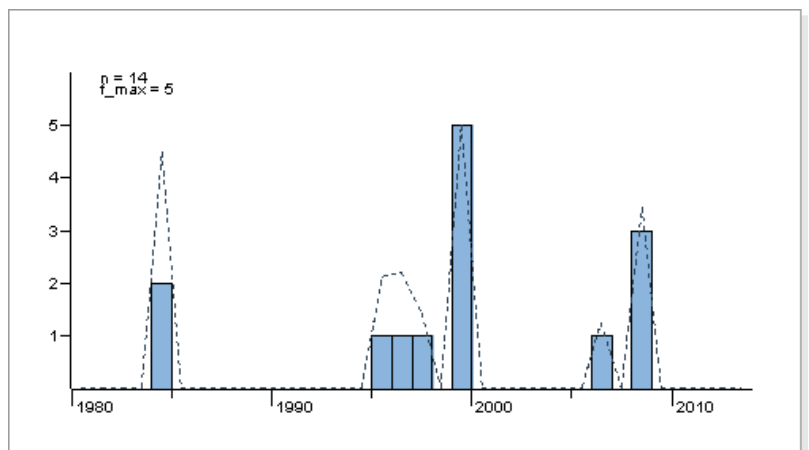
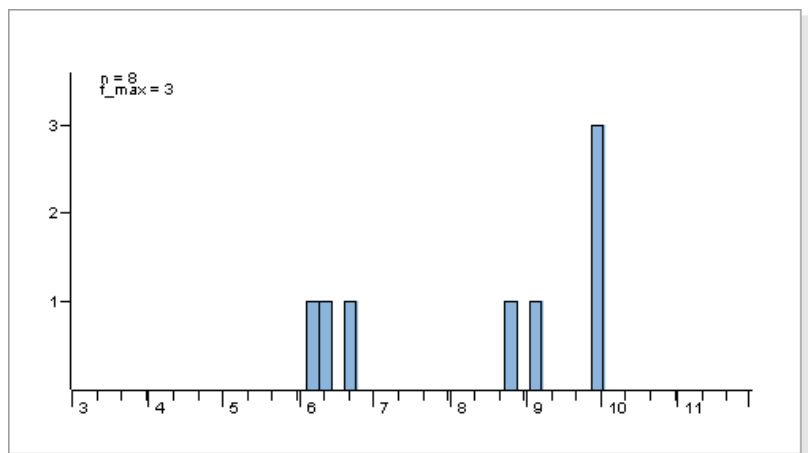
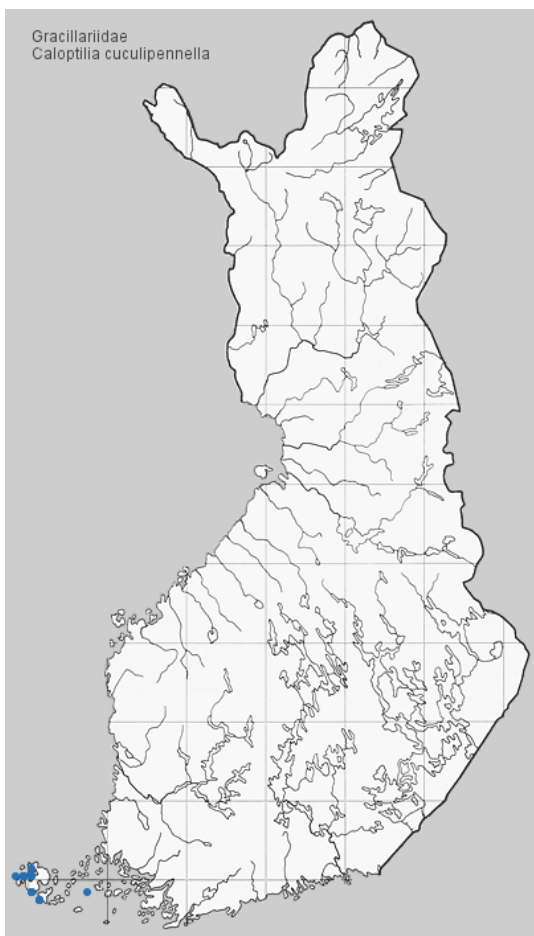
Kuva: R.Siloaho







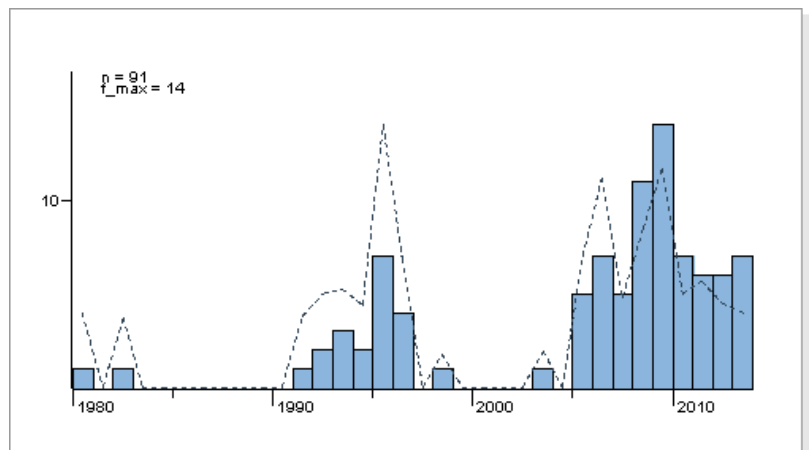
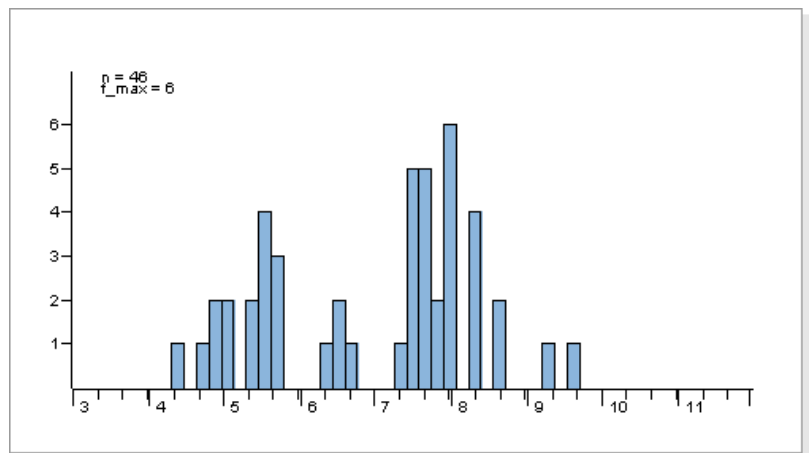
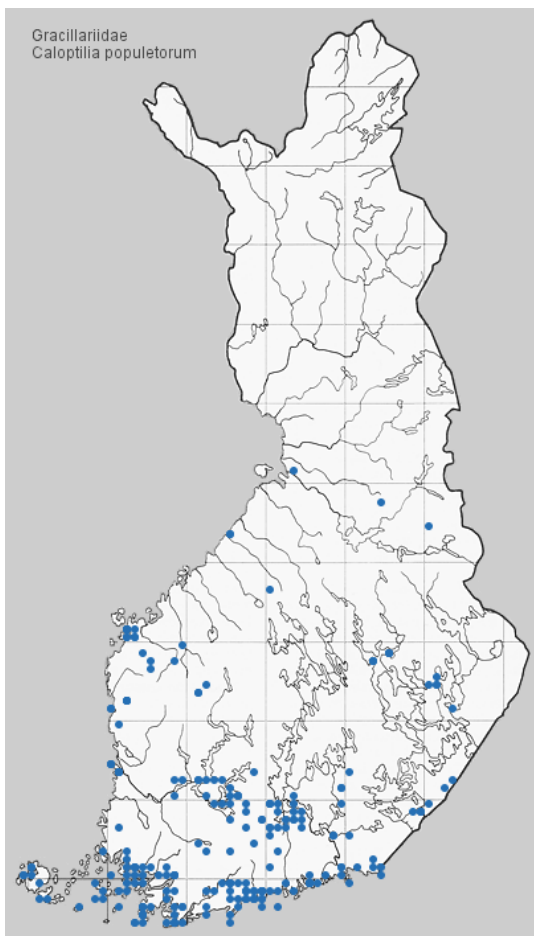
Kuva: R.Siloaho





Kuva: R.Siloaho

Kuva: Olavi Niemi



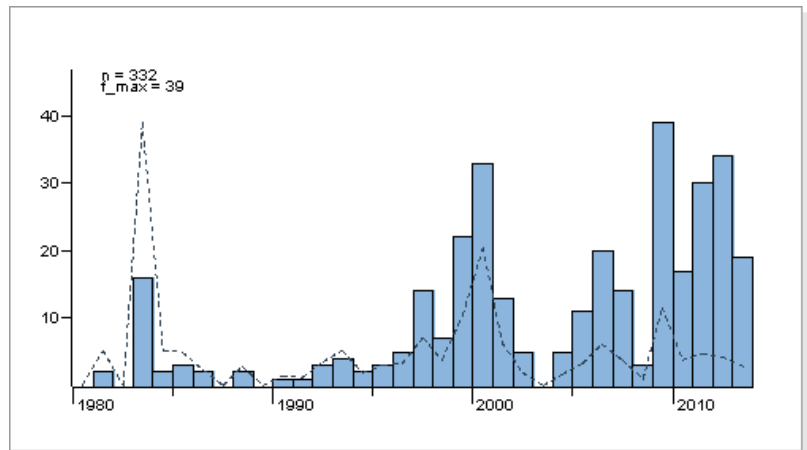
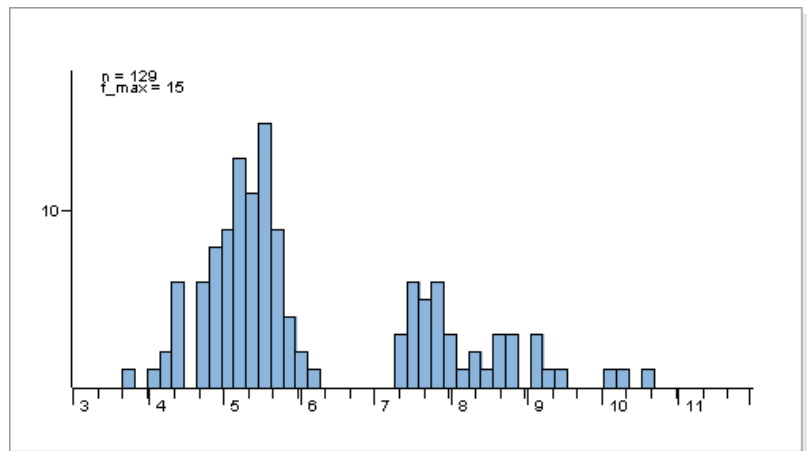
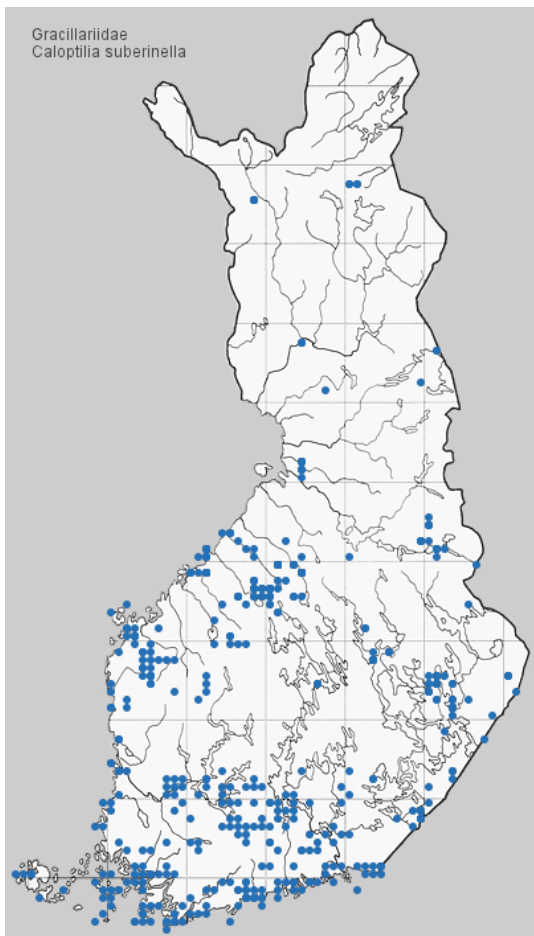
Tuntomerkit. Sipiväli 11-14 mm.



Kuva: R.Siloaho



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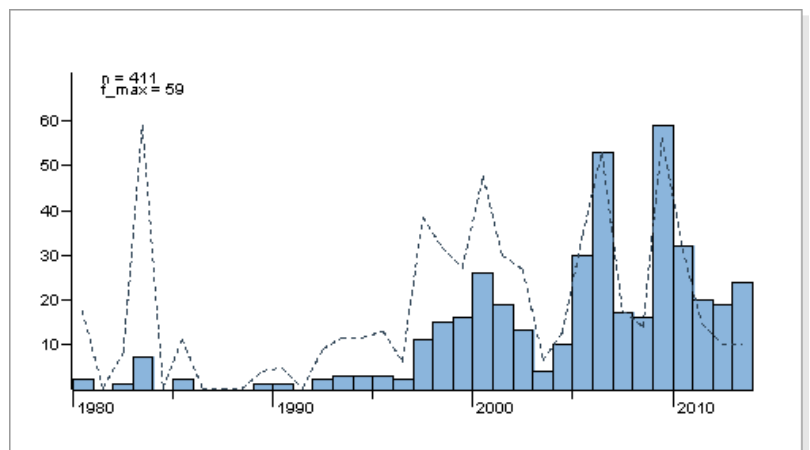
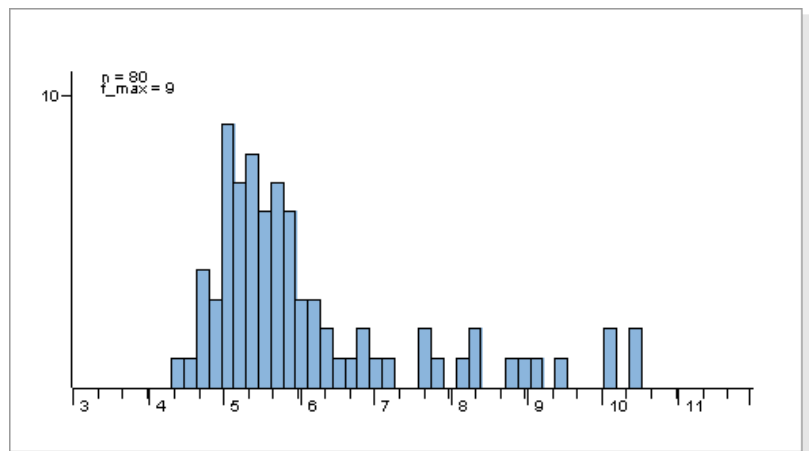
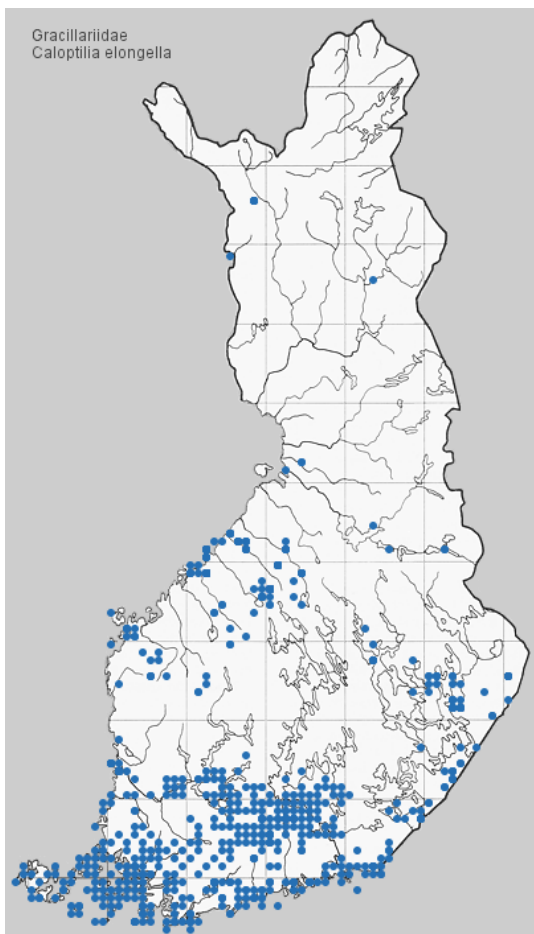


Tuntomerkit. Sipiväli 11-14 mm.



Kuva: R.Siloaho

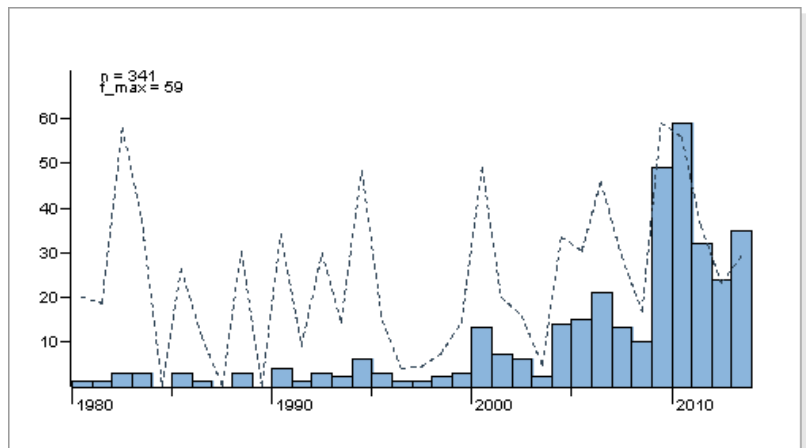
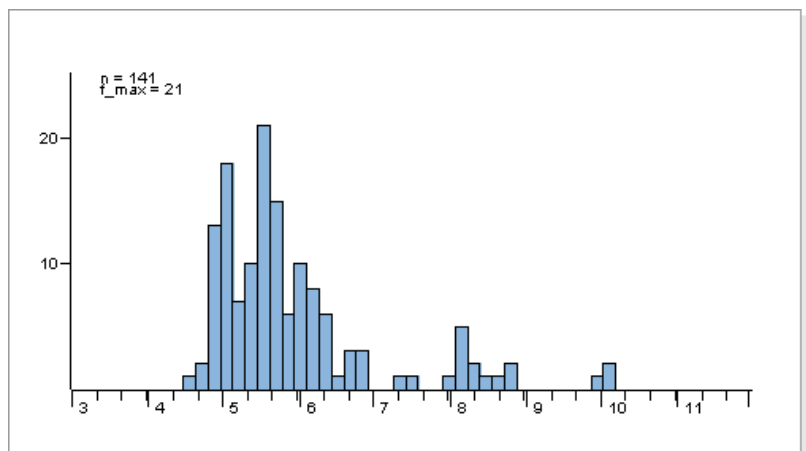
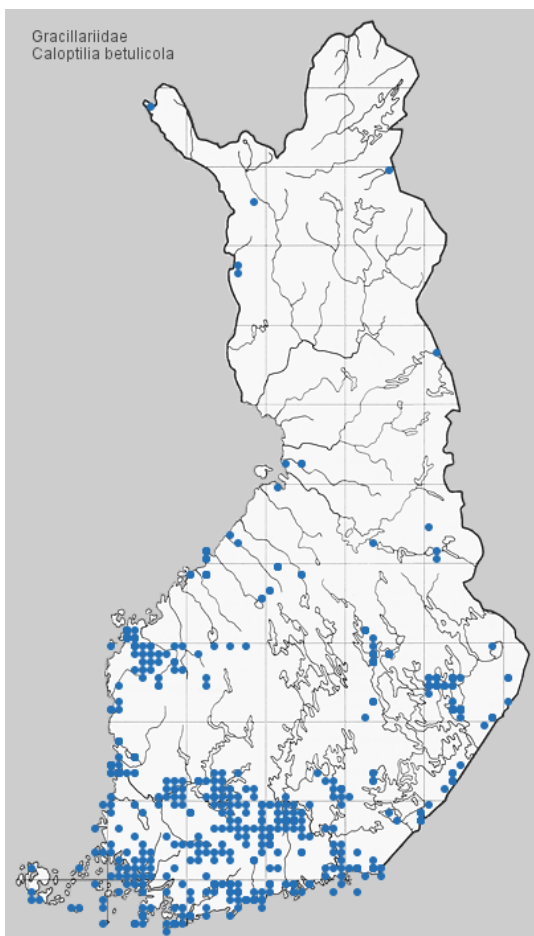
Kuva: R.Siloaho





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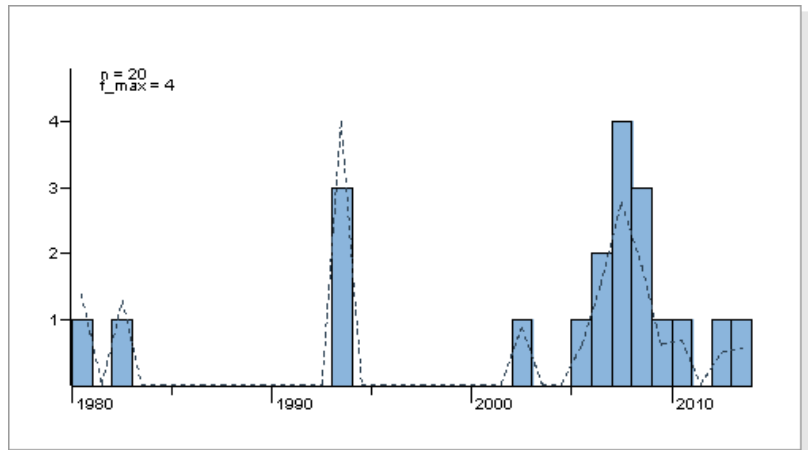
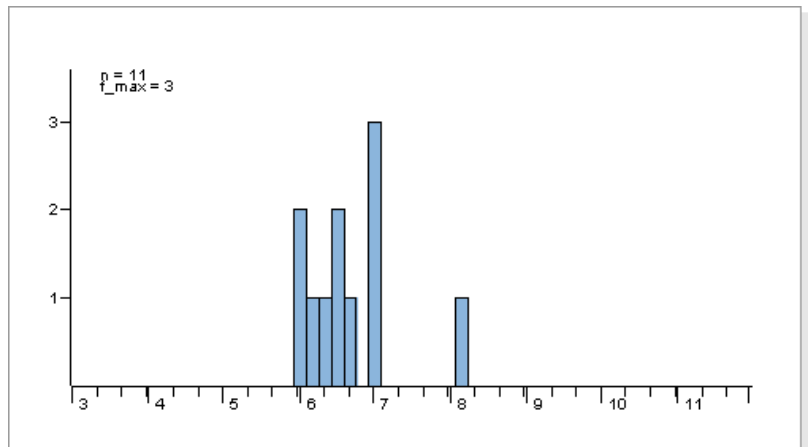
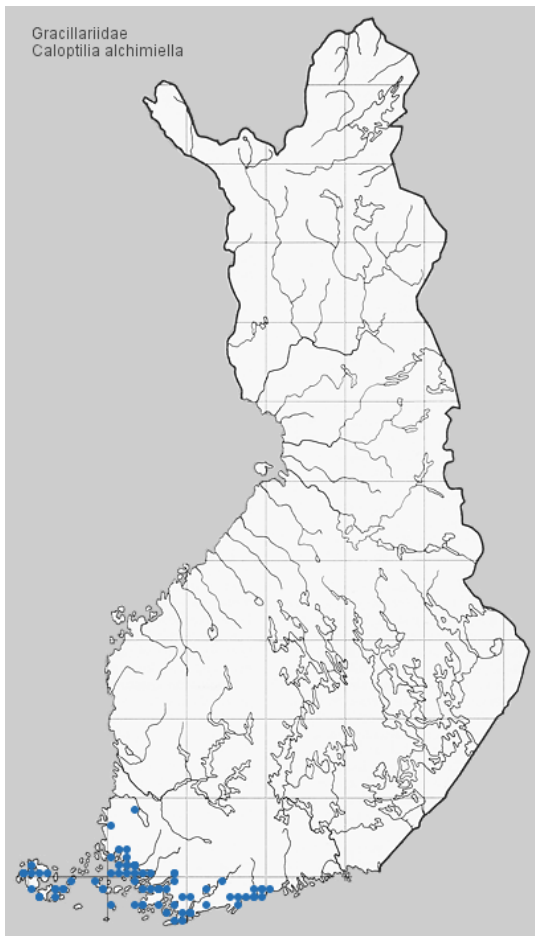
Kuva: R.Siloaho







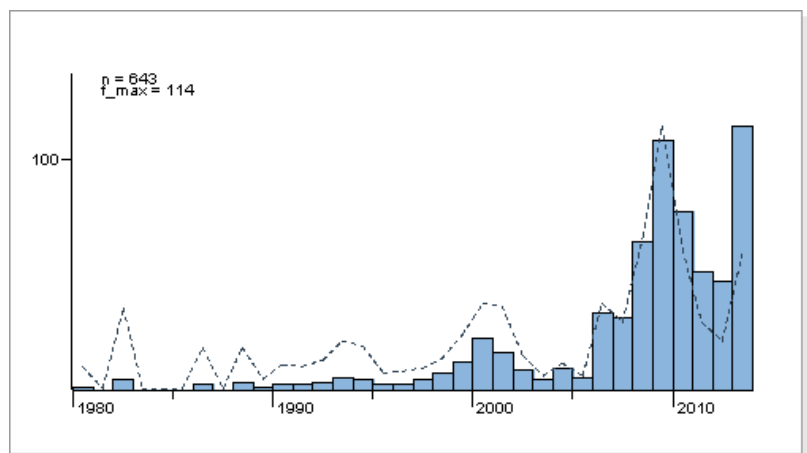
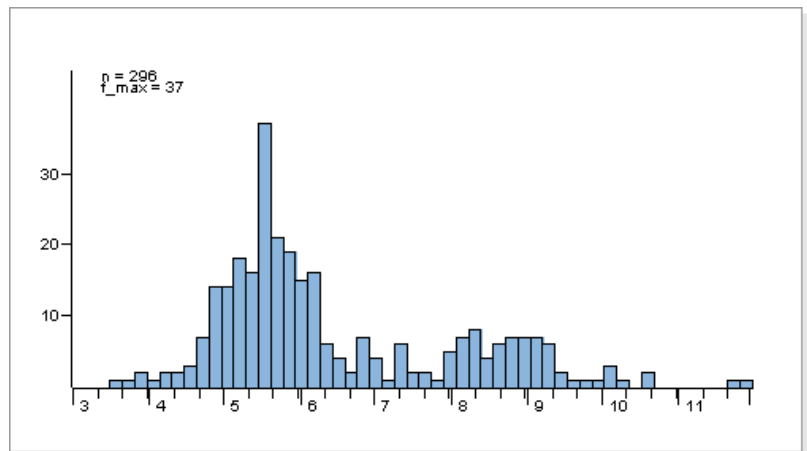
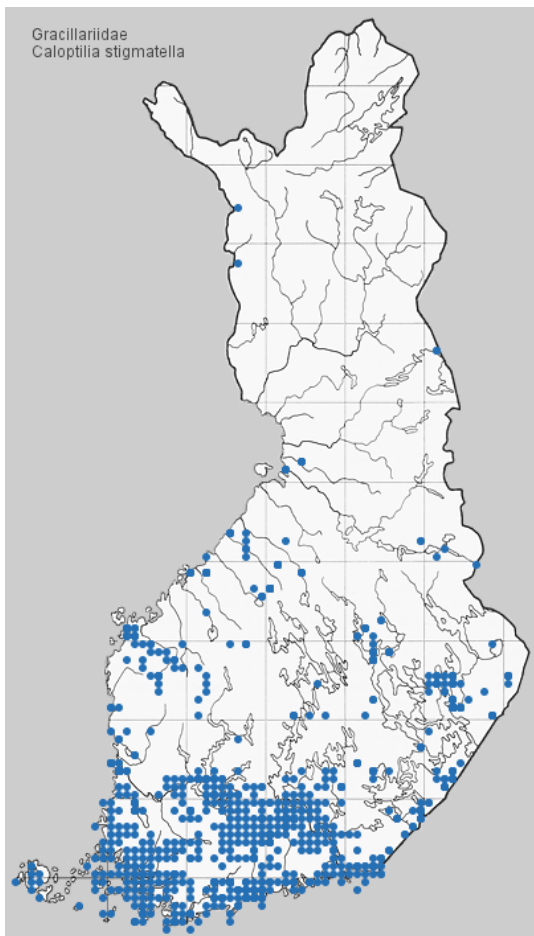
Kuva: R.Siloaho





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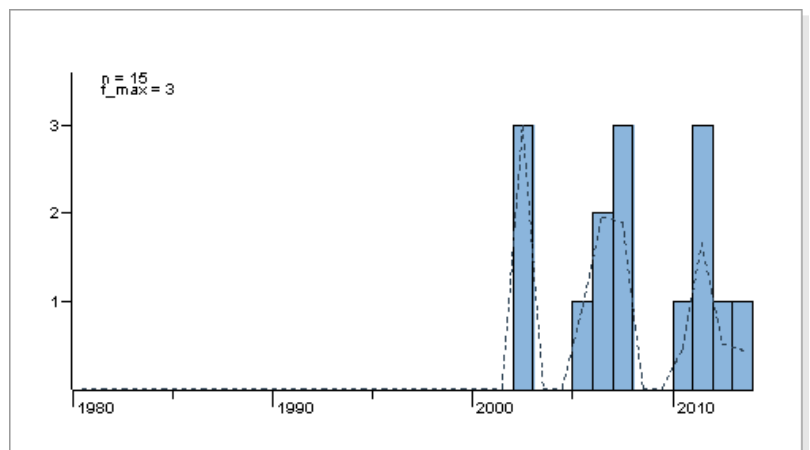
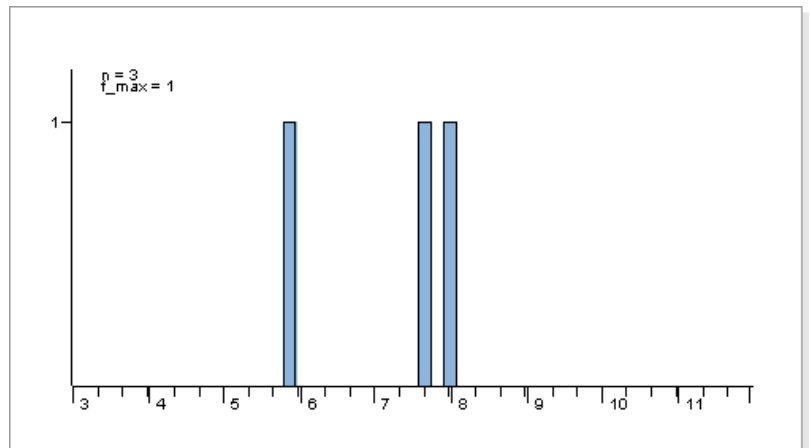
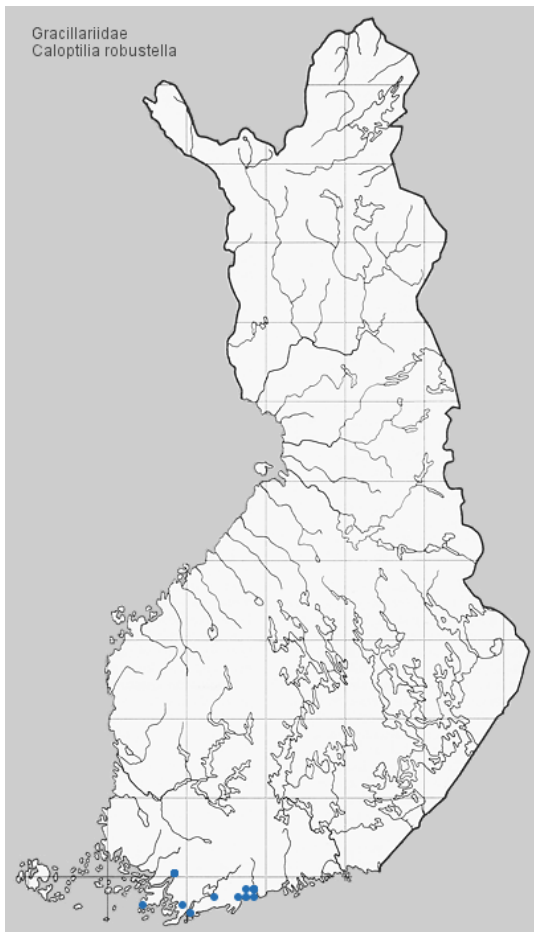




Kuva: R. Siloaho



Kuva: J. Tyllinen

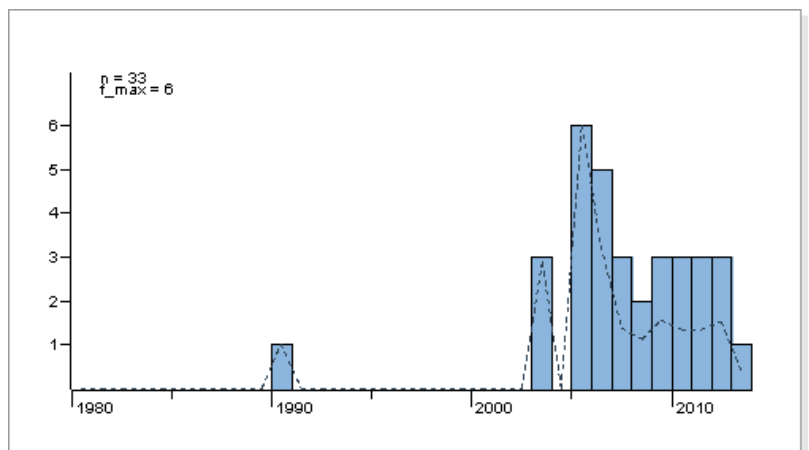
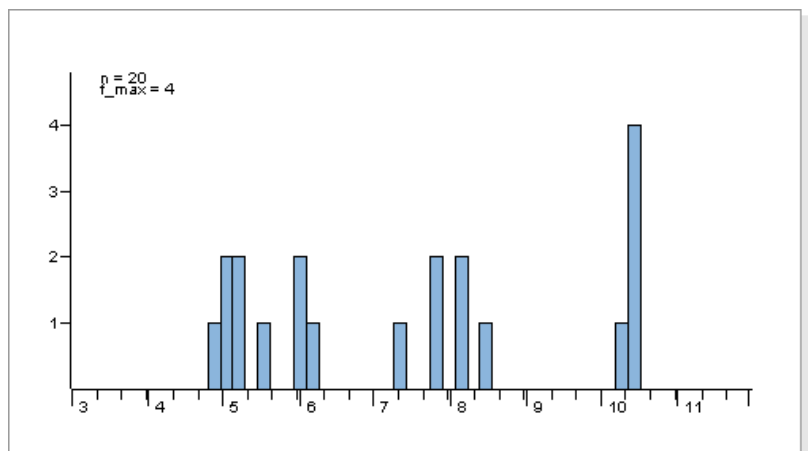
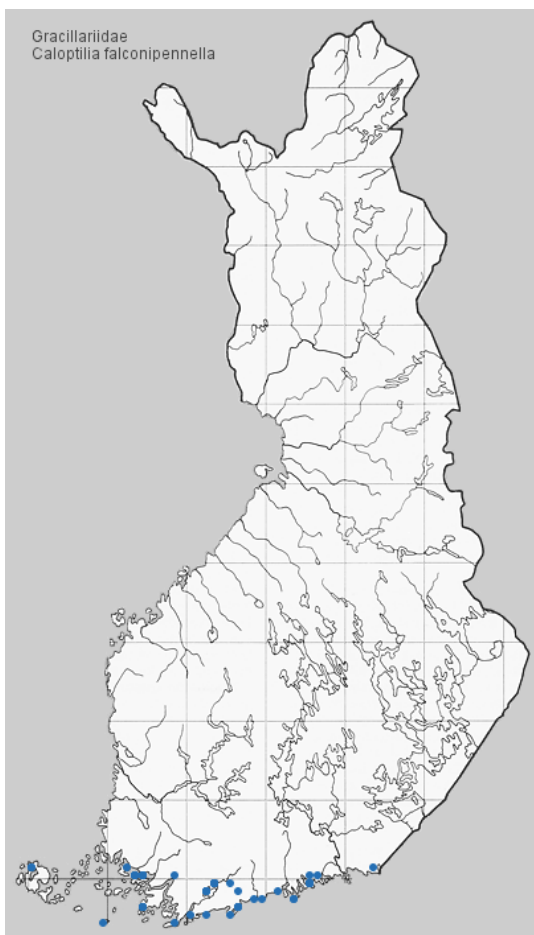




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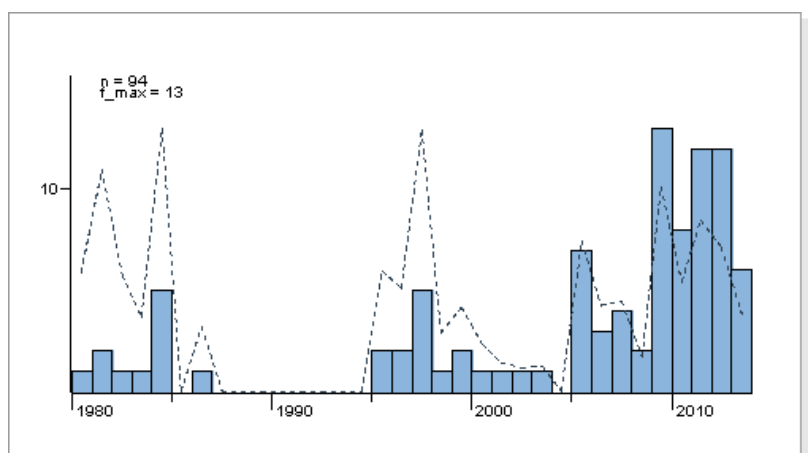
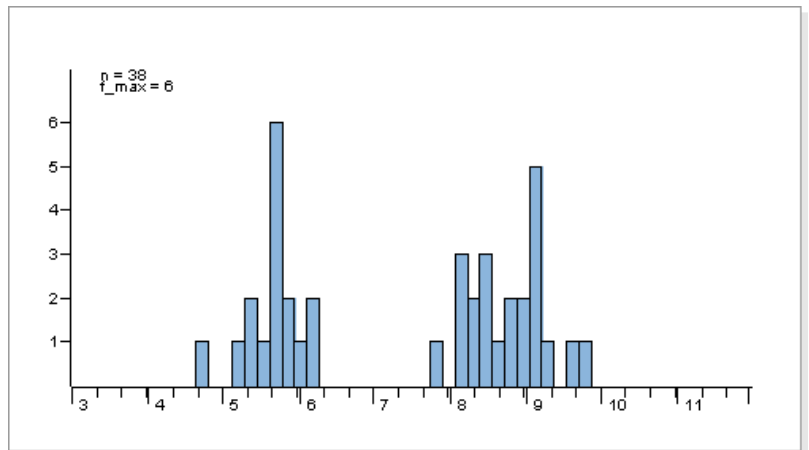
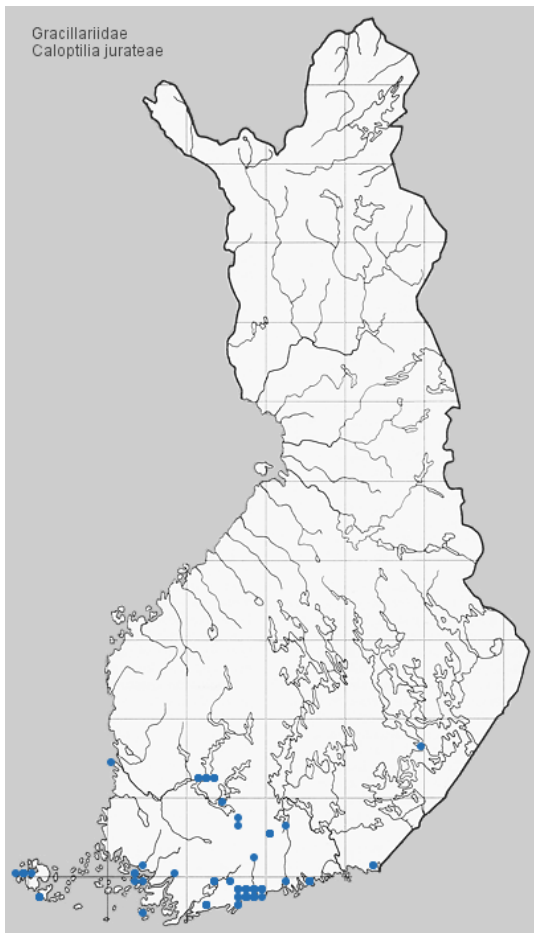
Kuva: Olavi Niemi





Kuva: R.Siloaho

Kuva: Heikki Virkkunen

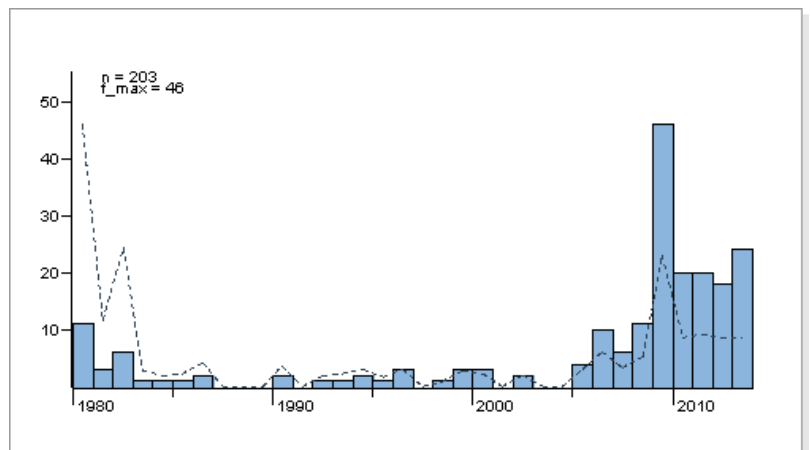
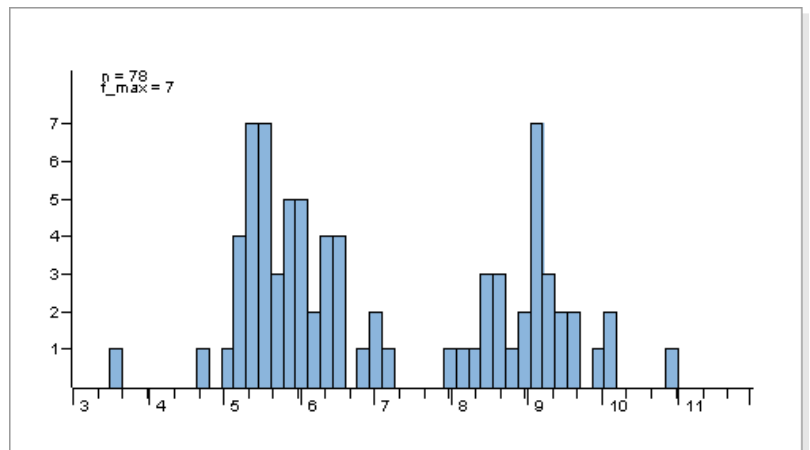
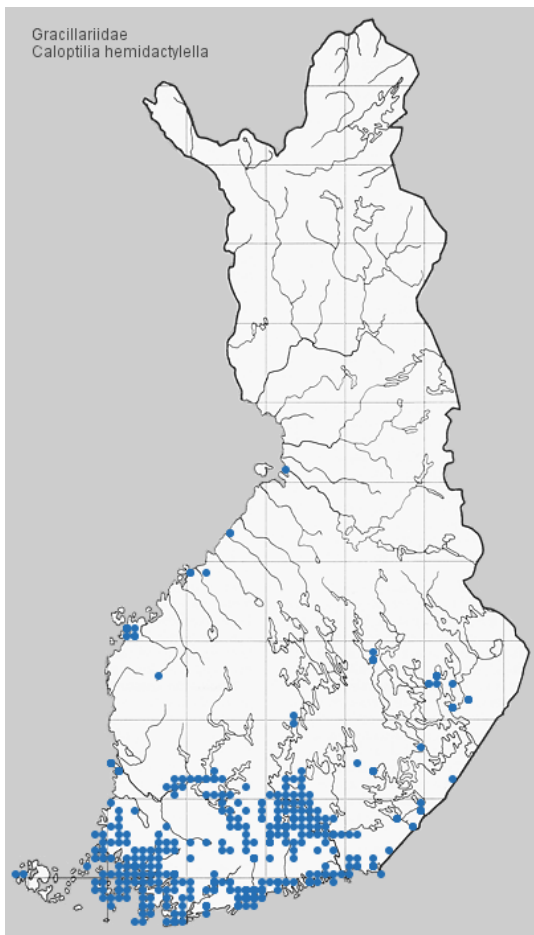




Kuva: J. Tyllinen



Kuva: R.Siloaho

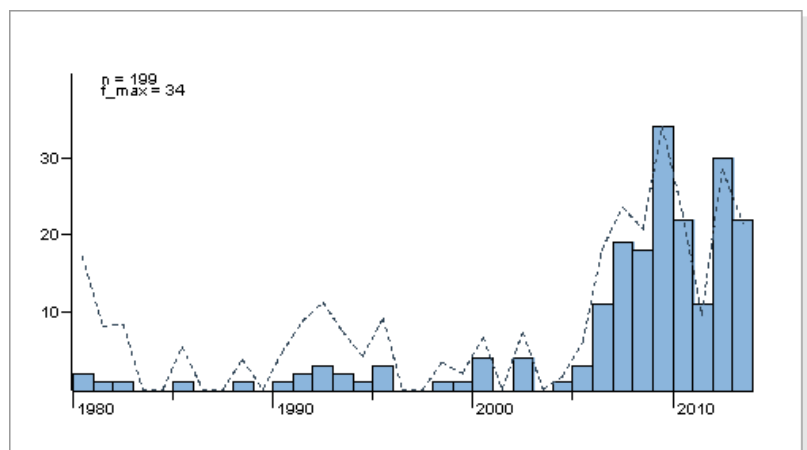
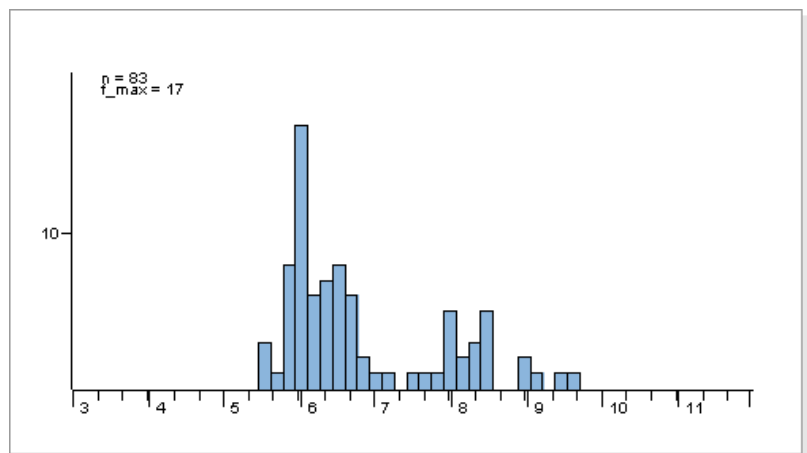
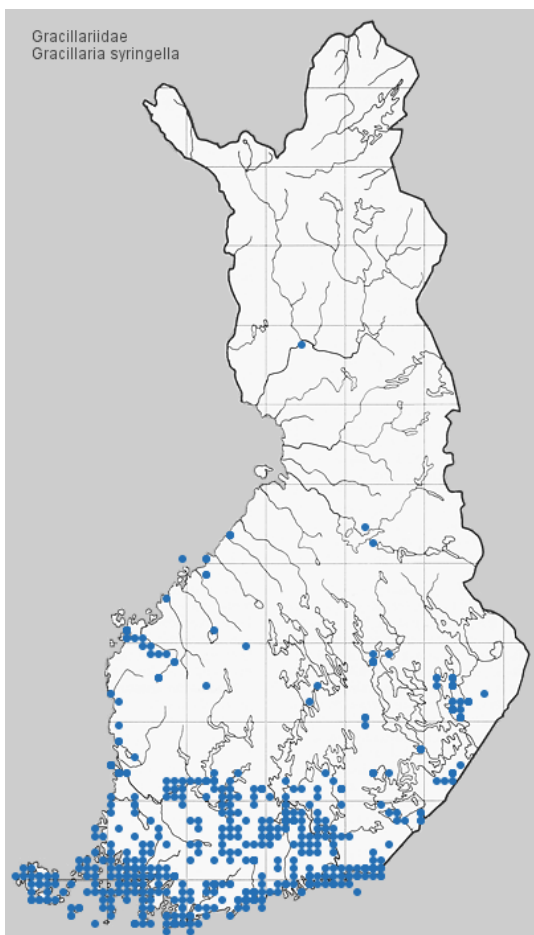




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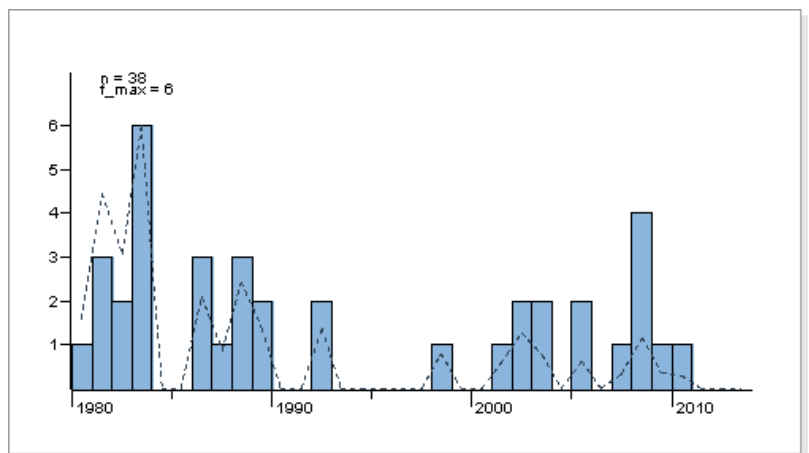
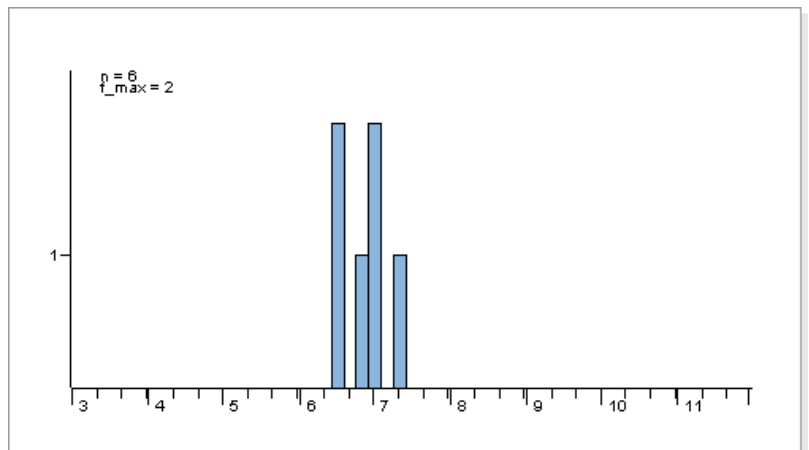
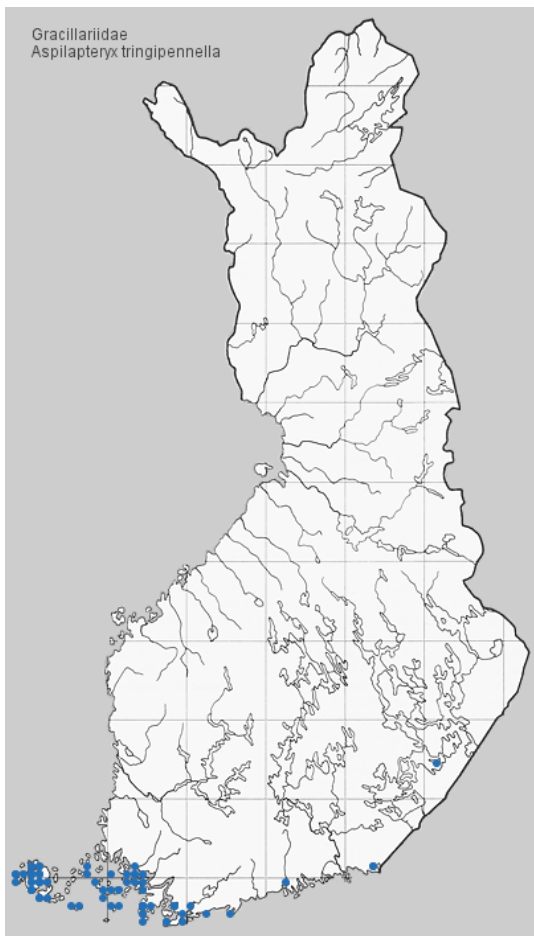


Kuva: H.Tanner





Kuva: R.Siloaho



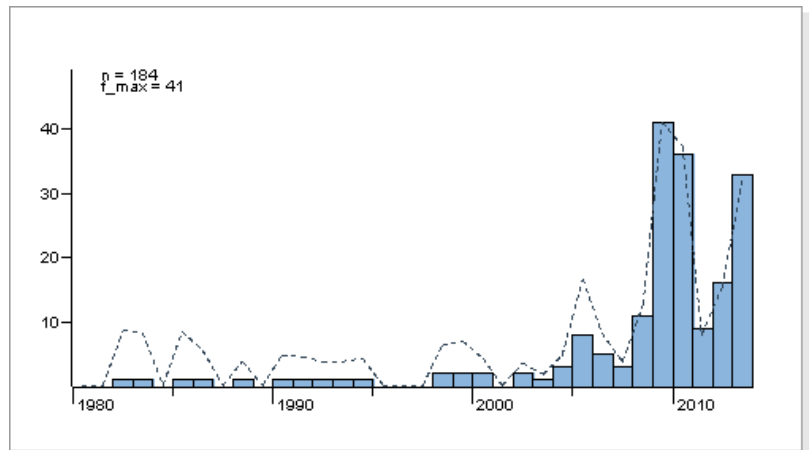
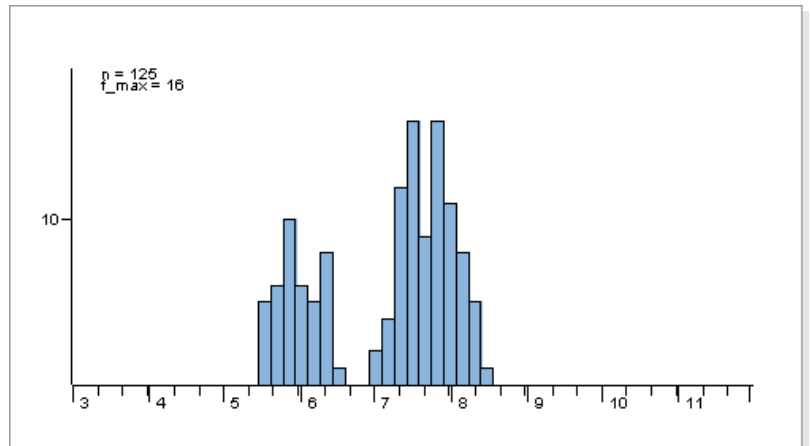
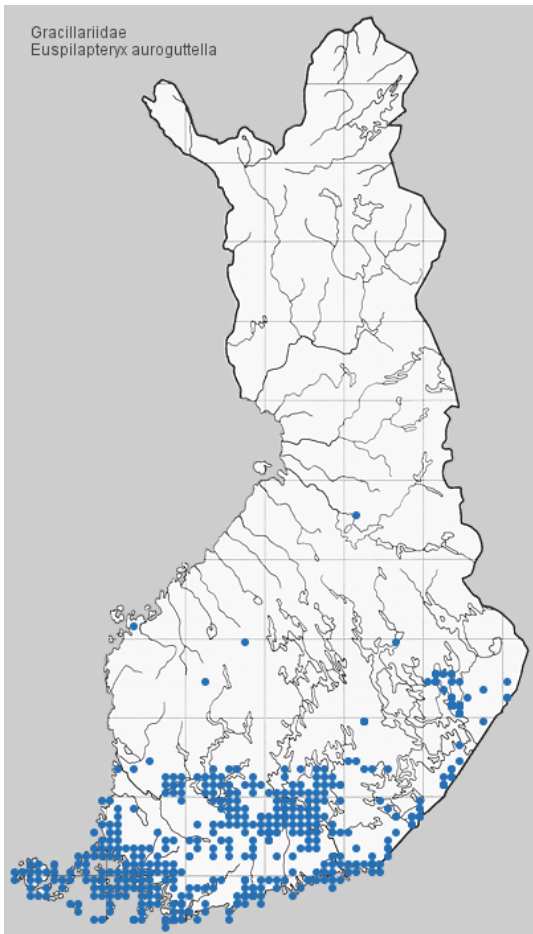




Kuva: Henry Ekholm



Kuva: H.Tanner

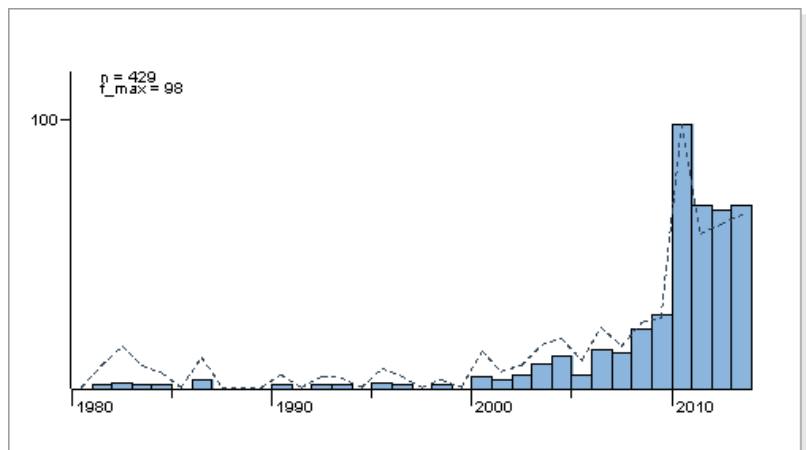
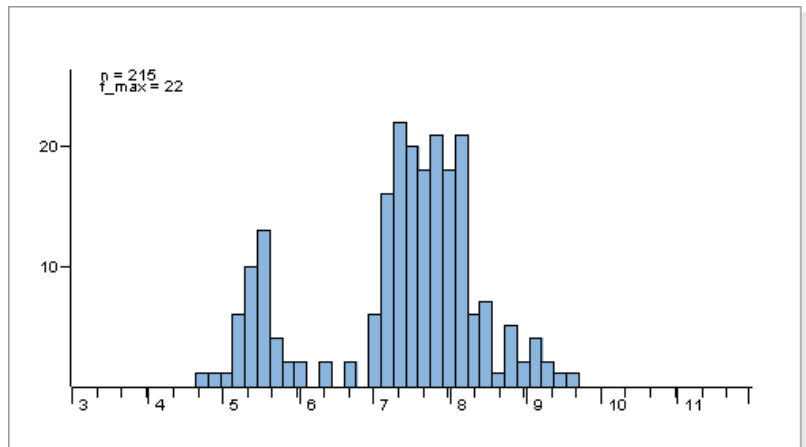
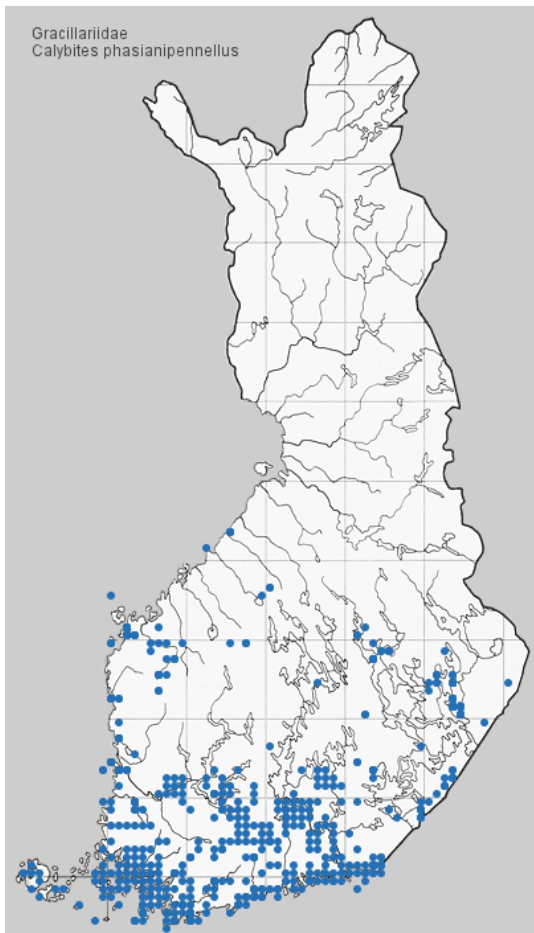




Kuva: R.Siloaho



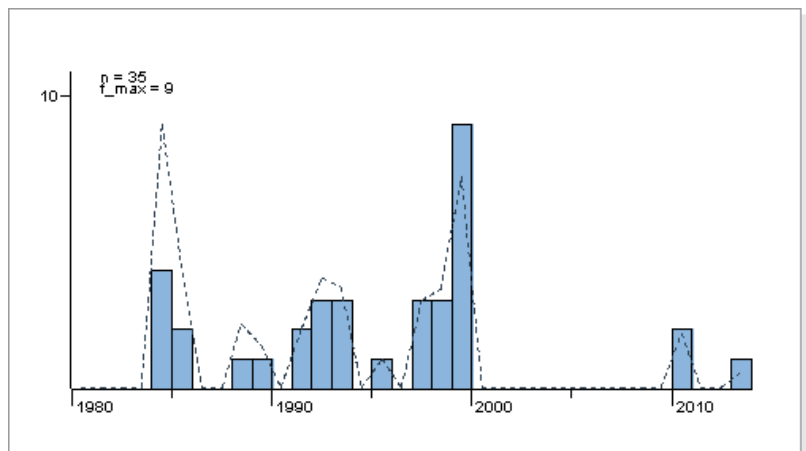
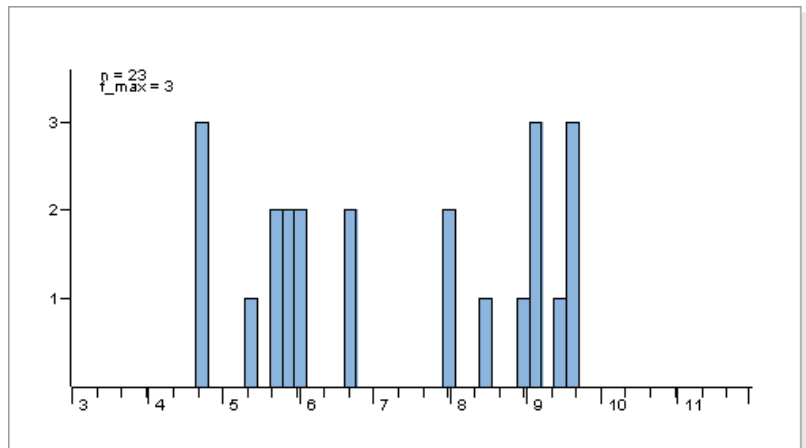
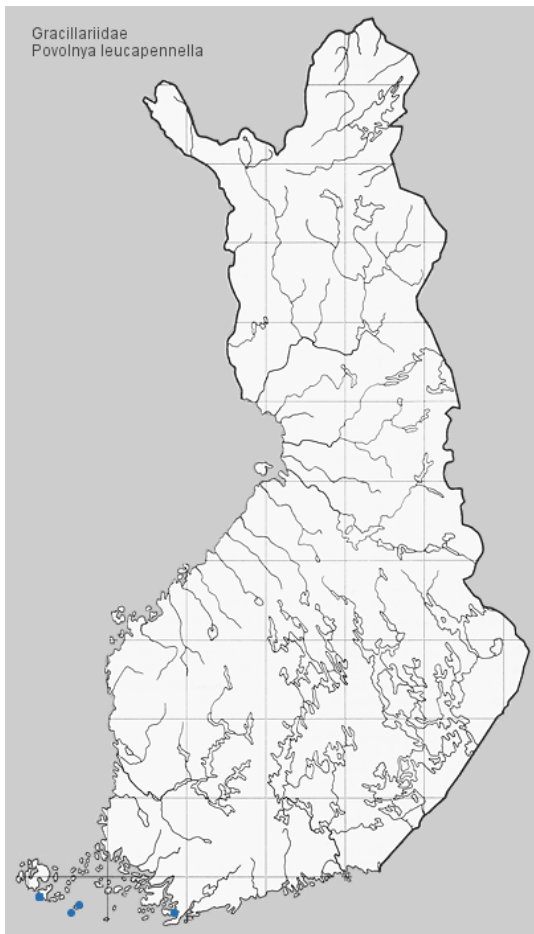
Kuva: J. Tyllinen





Kuva: R.Siloaho

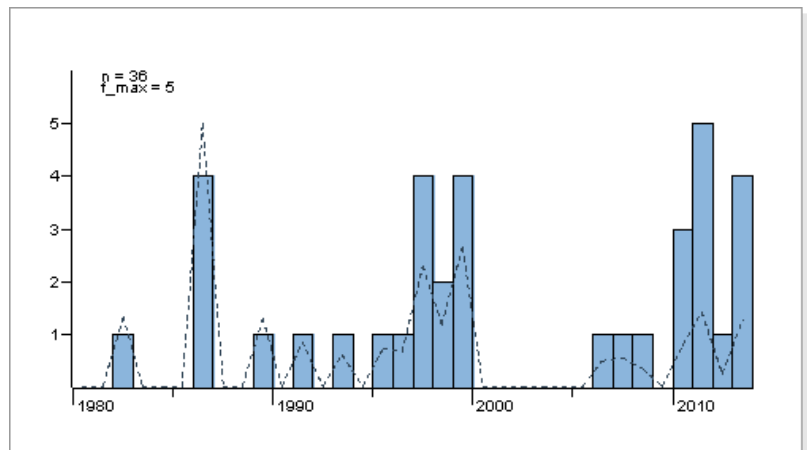
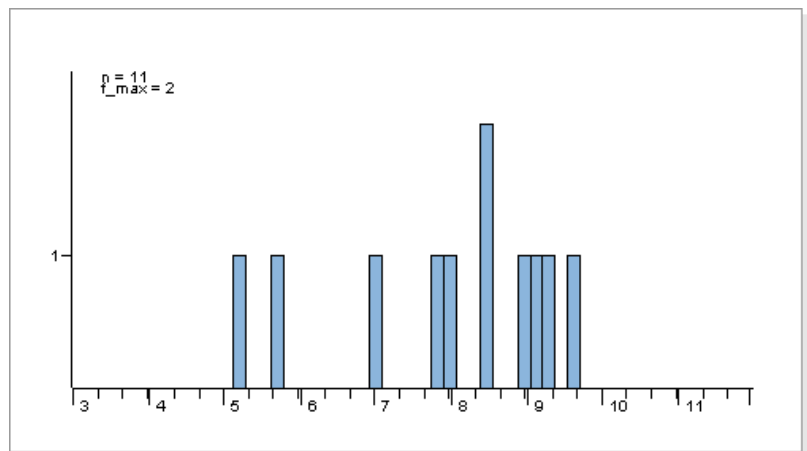
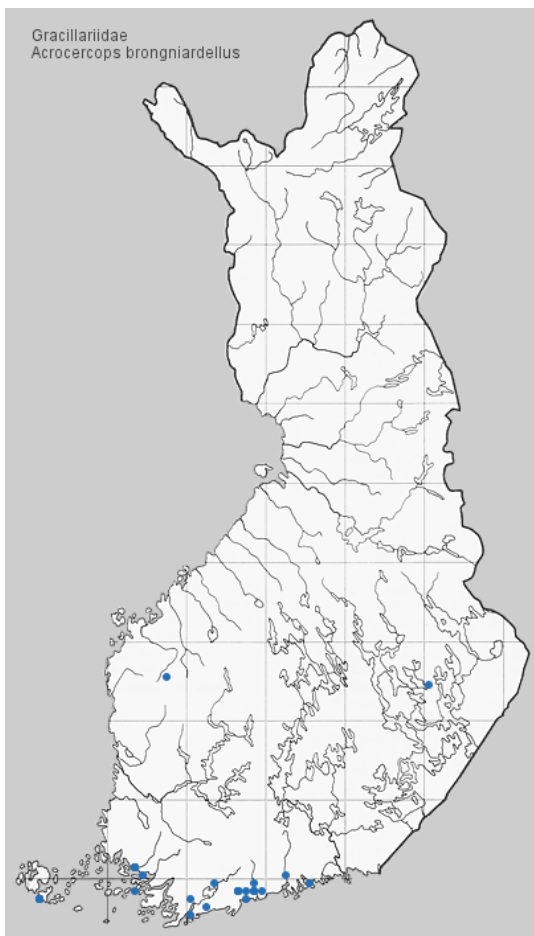
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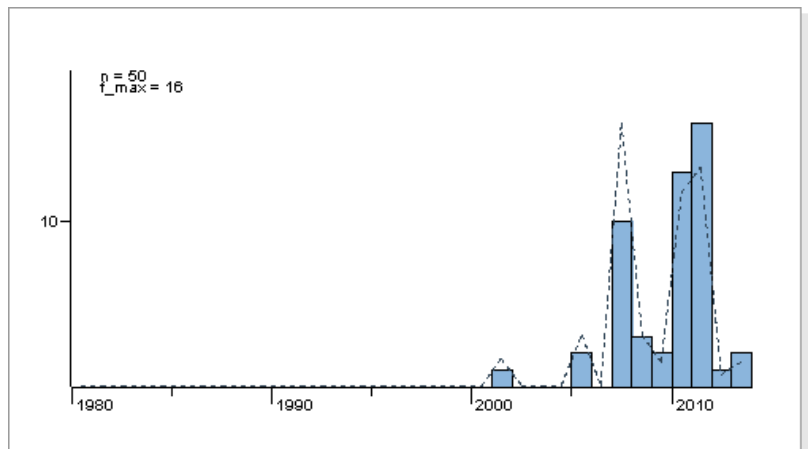
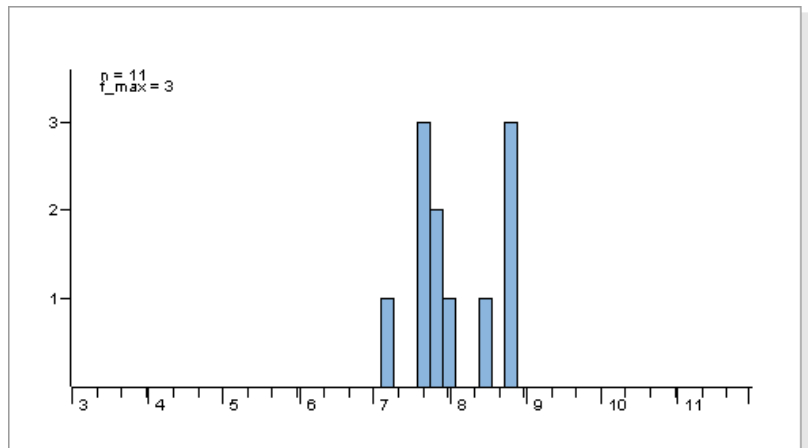
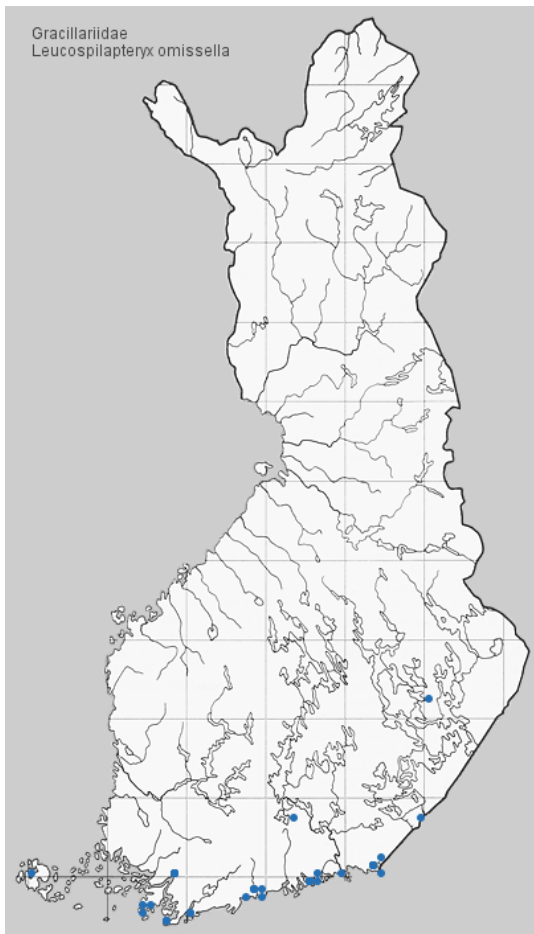
Kuva: Jouni Pyyhtiä

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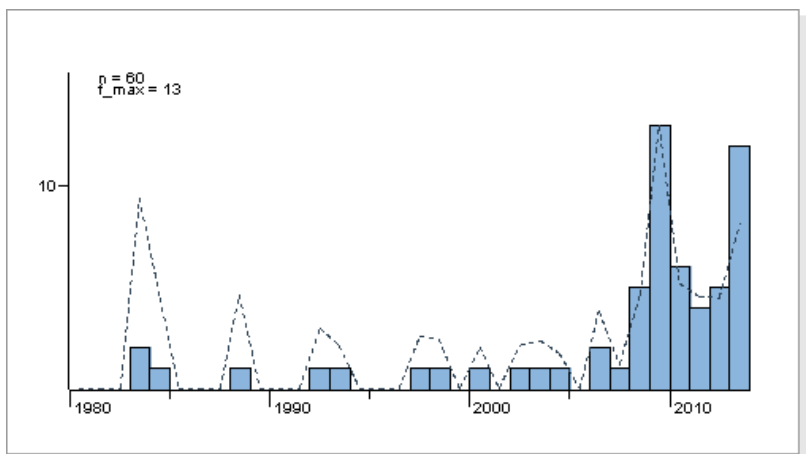
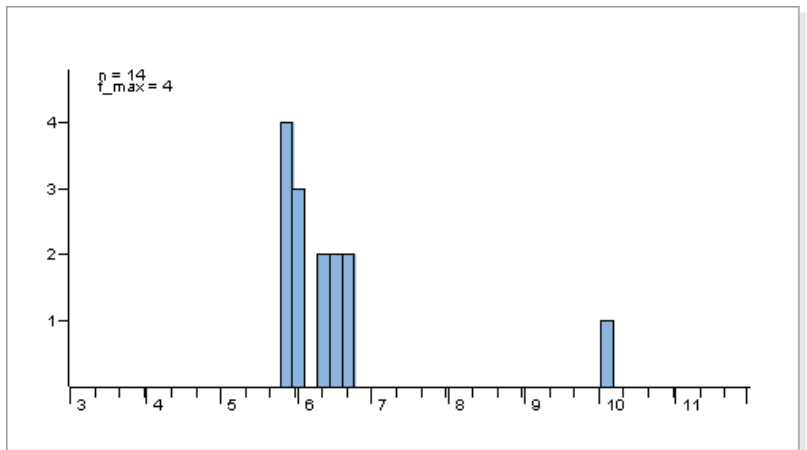
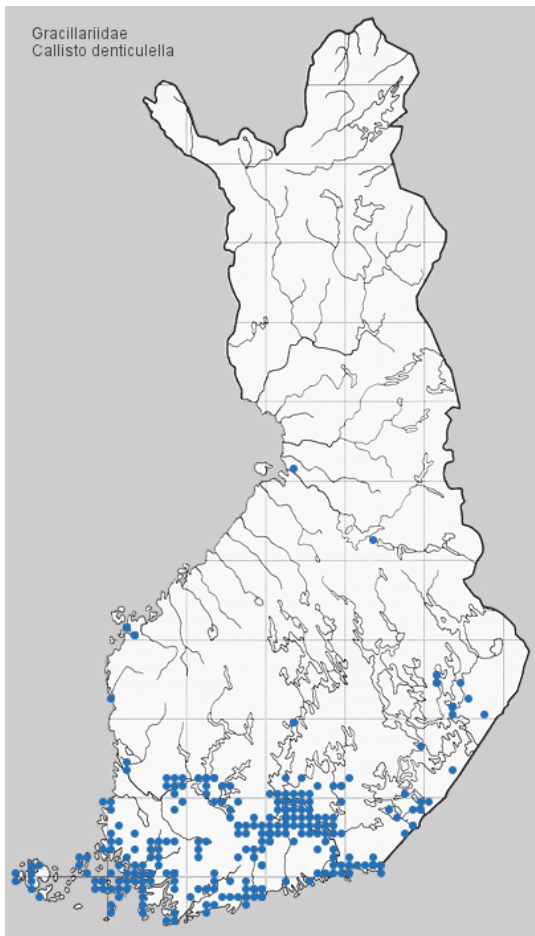


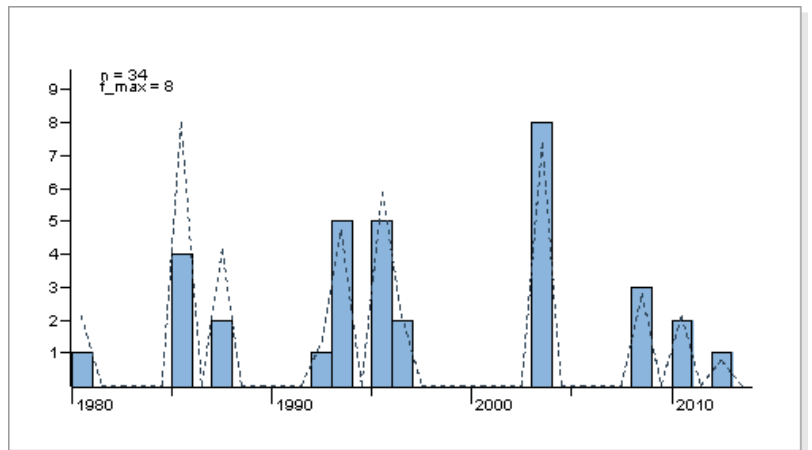
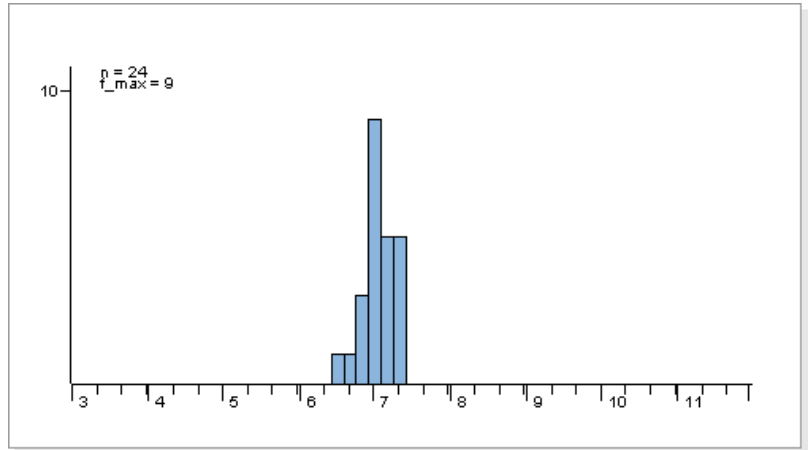
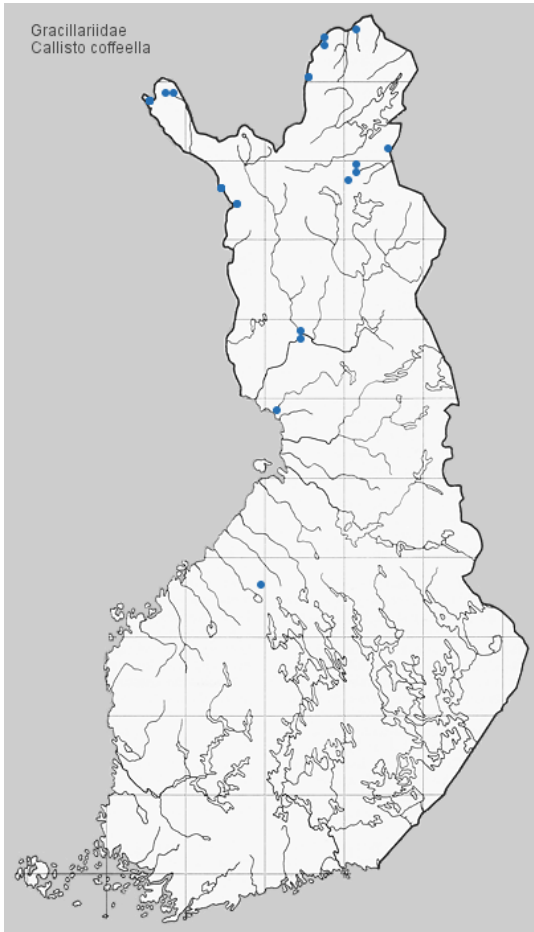
Kuva: J. Tyllinen

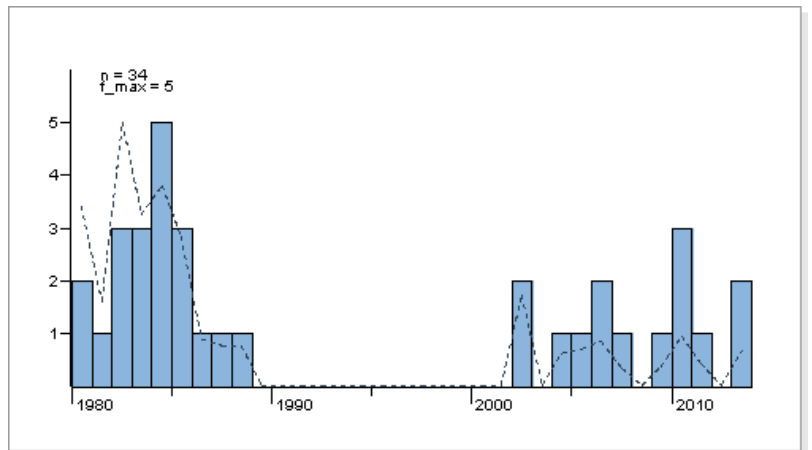
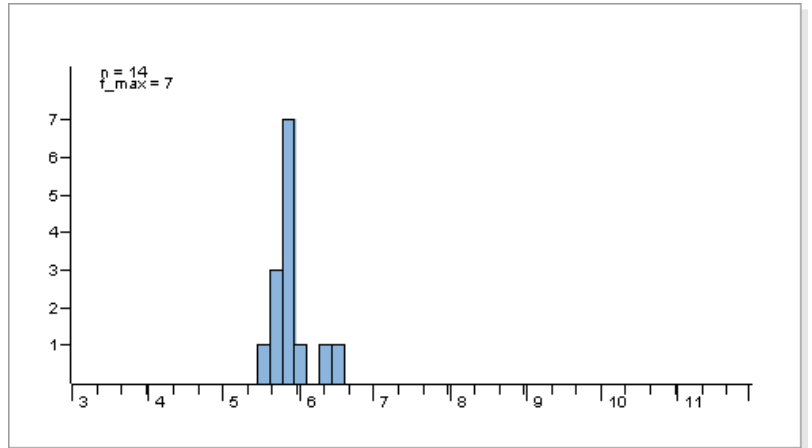
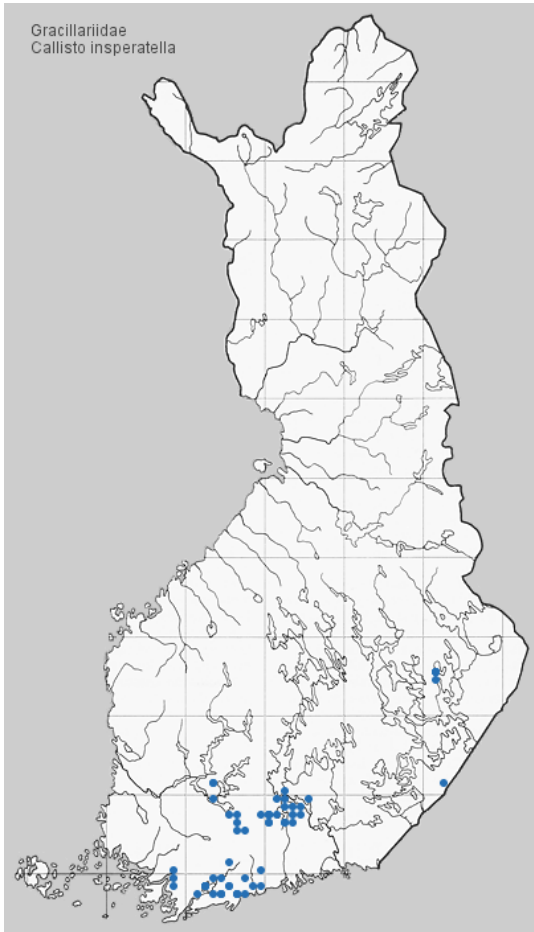




Kuva: R.Siloaho





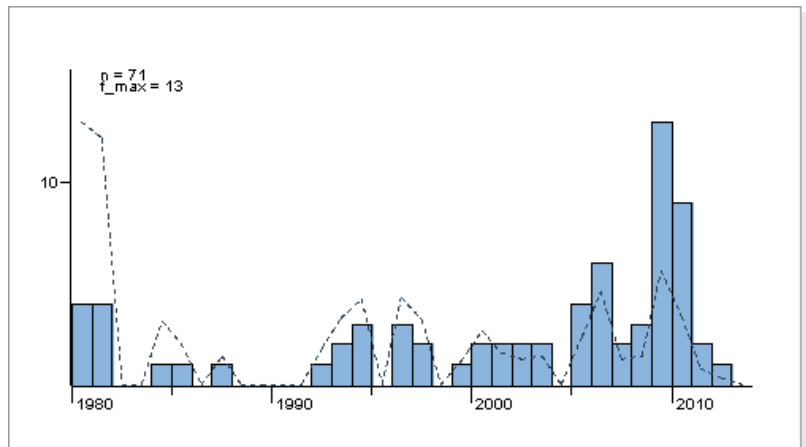
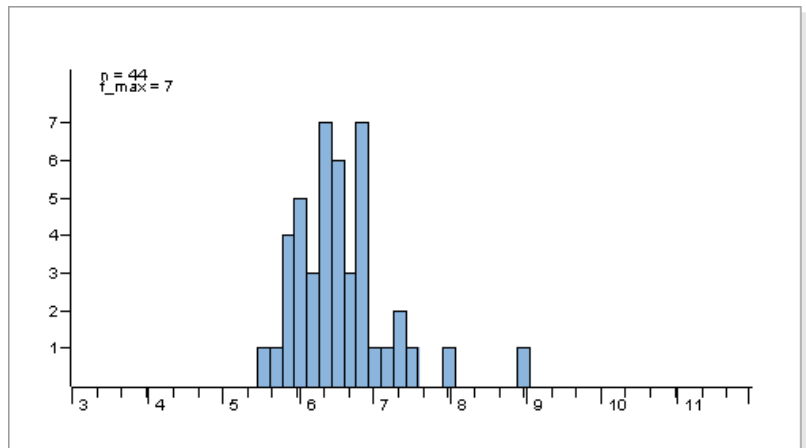
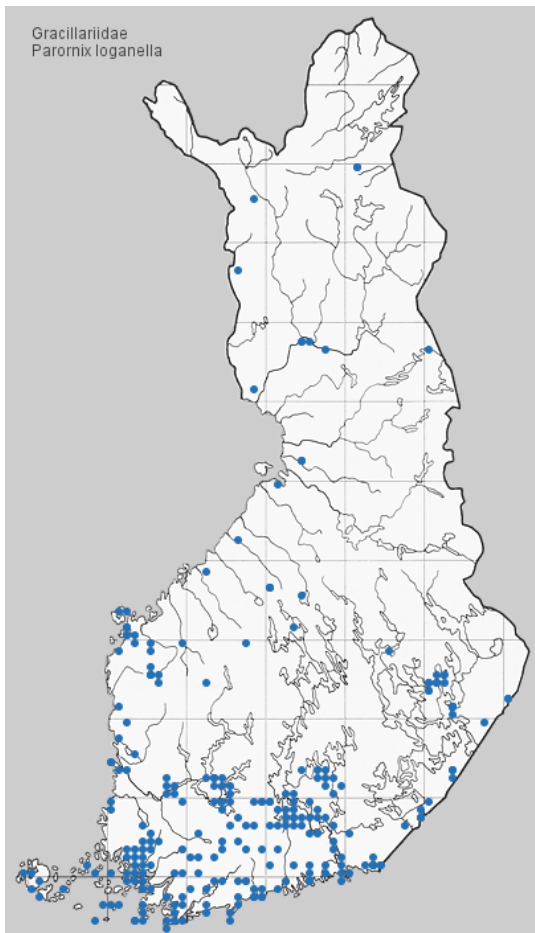


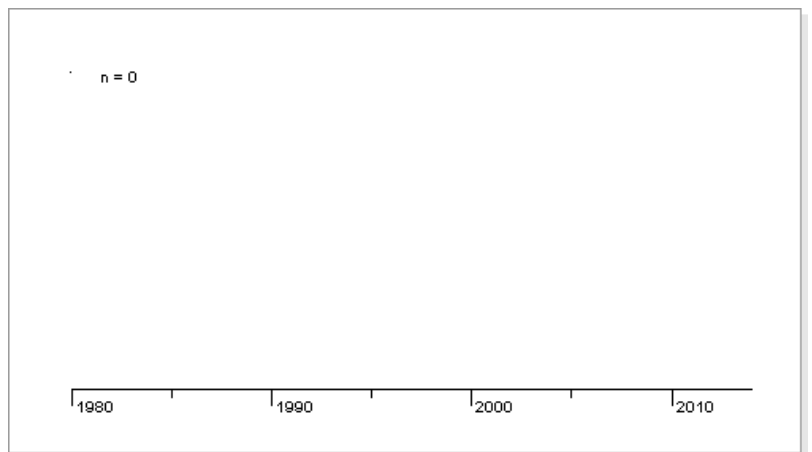
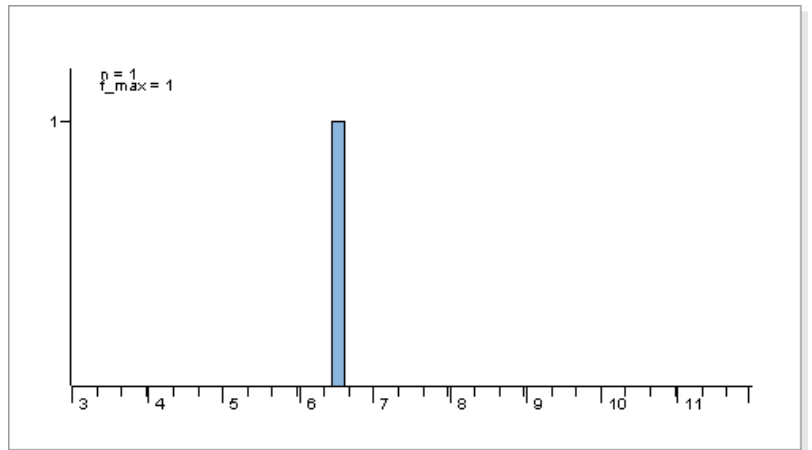
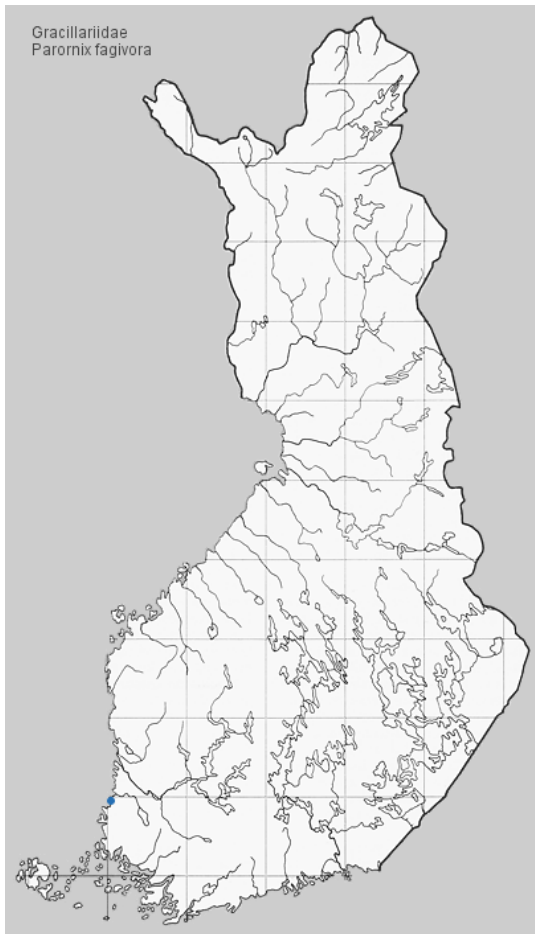




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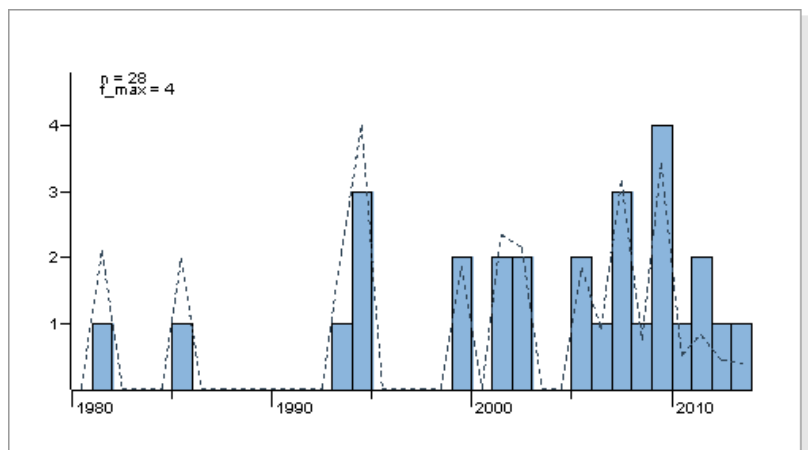
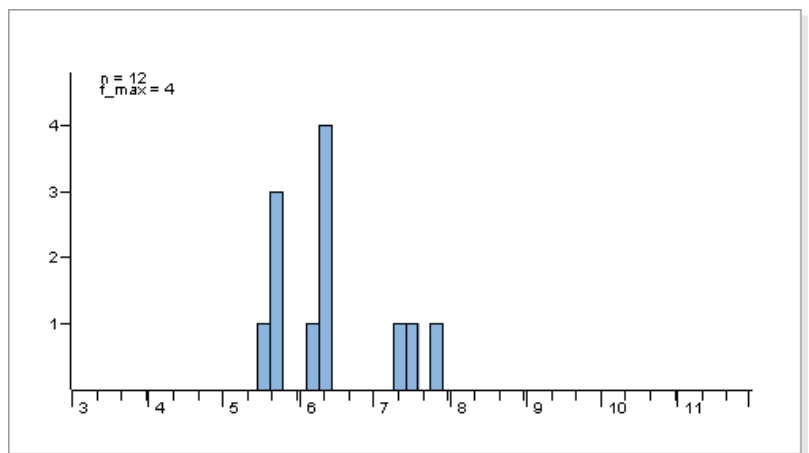
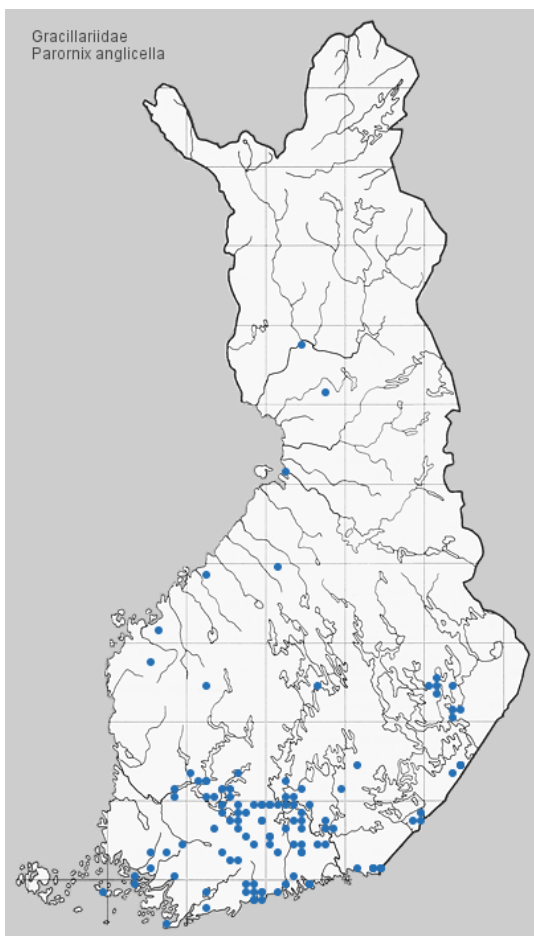






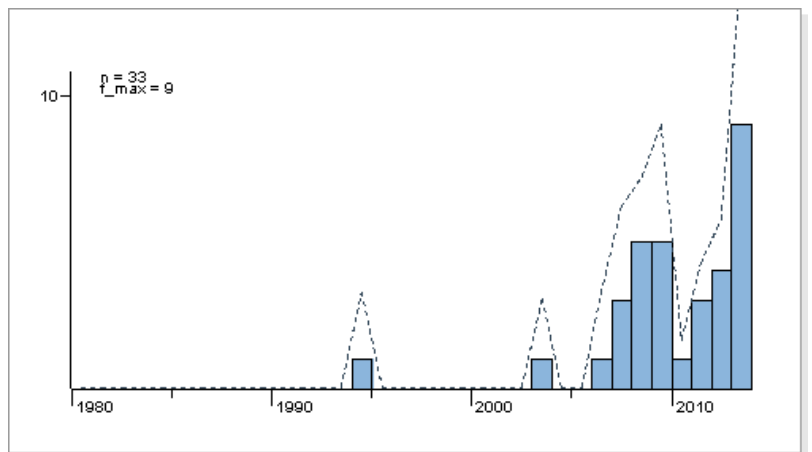
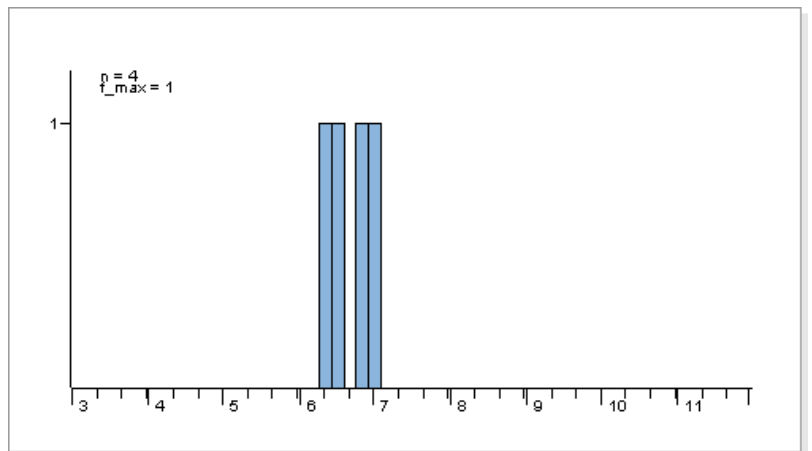
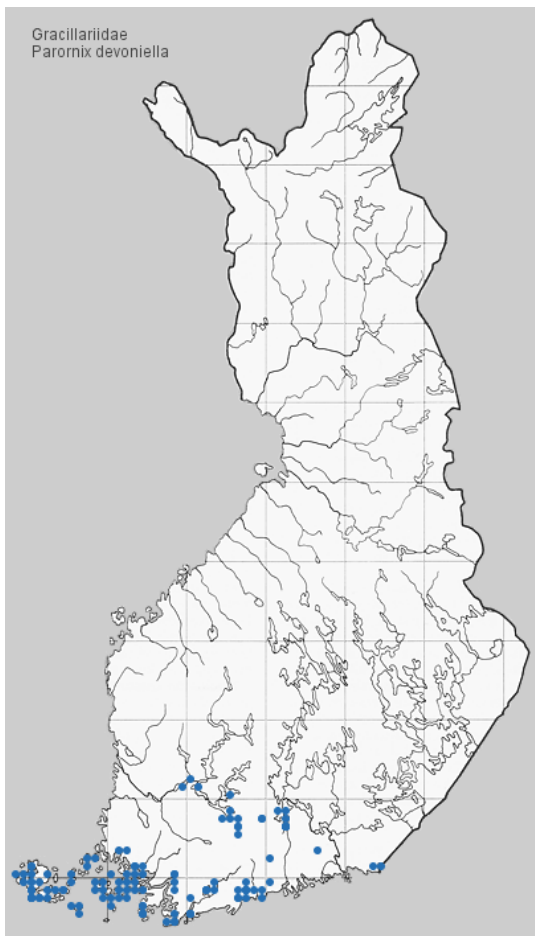
Kuva: R.Siloaho

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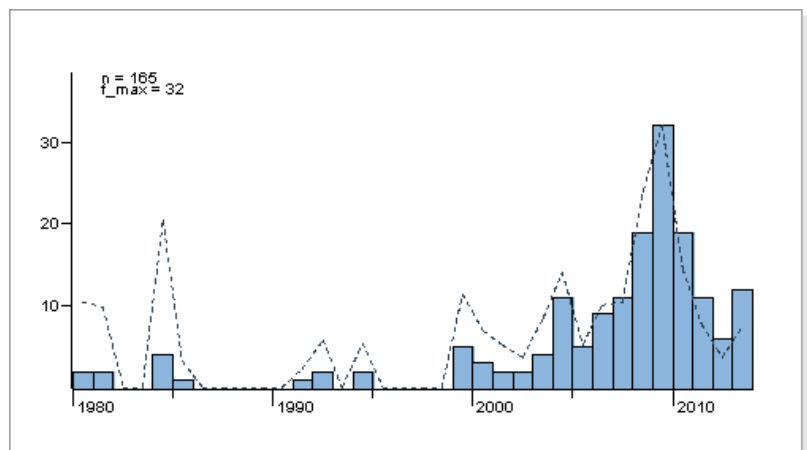
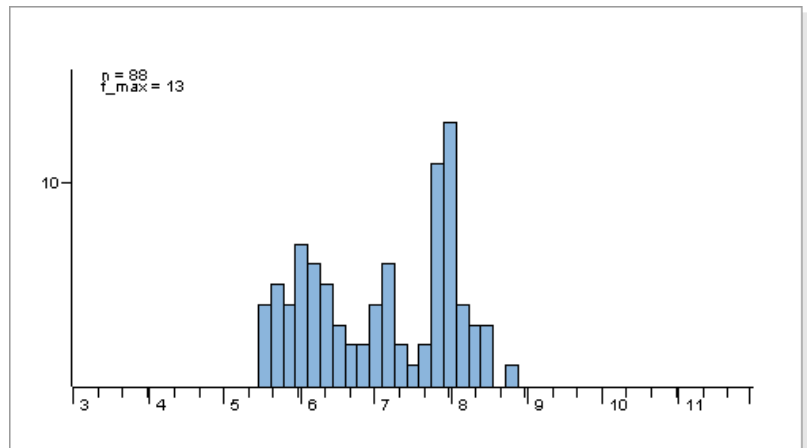
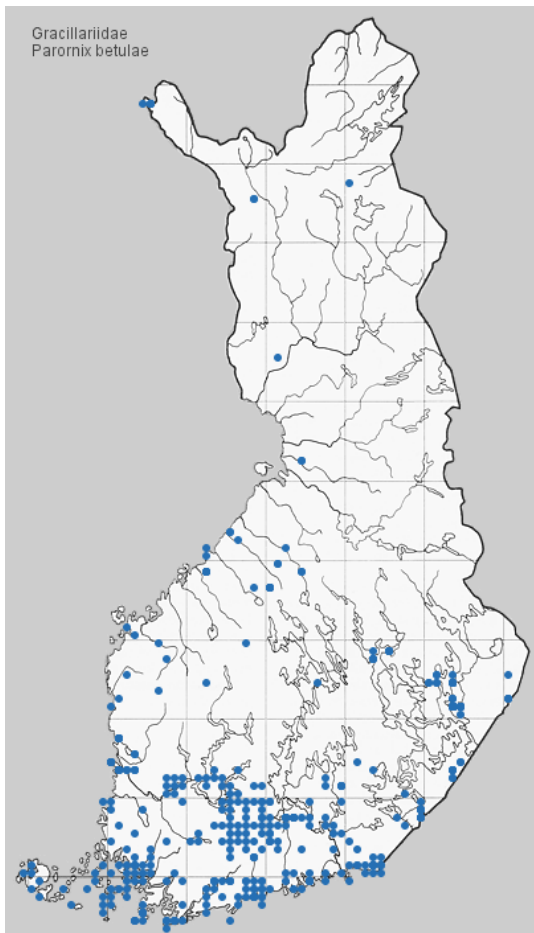
Kuva: R.Siloaho





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Kuva: J.Tyllinen

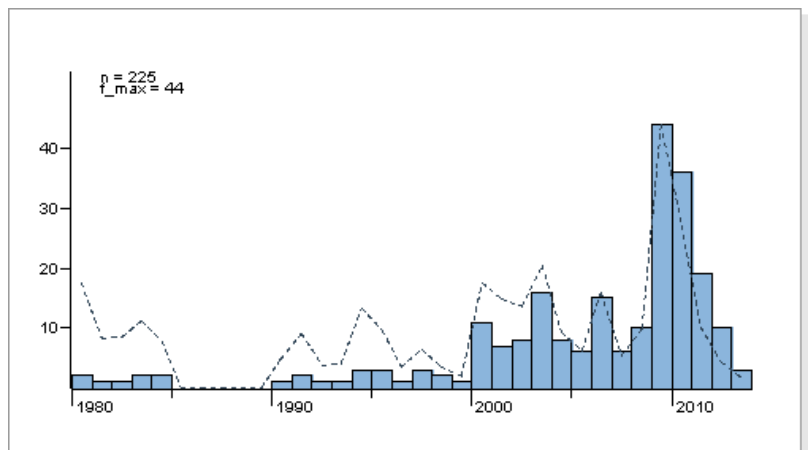
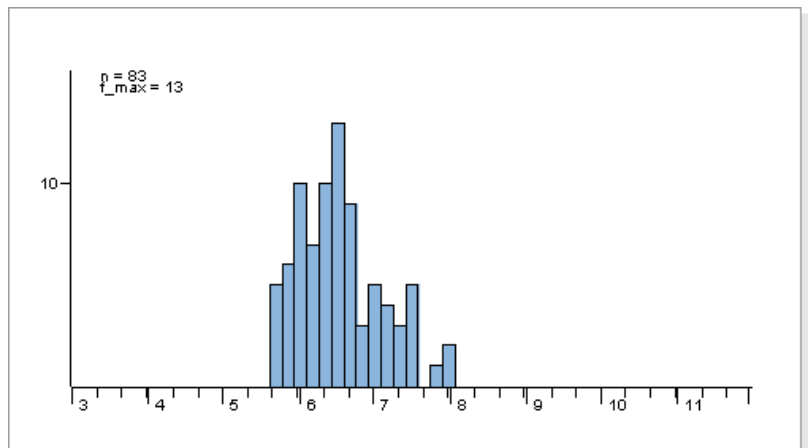
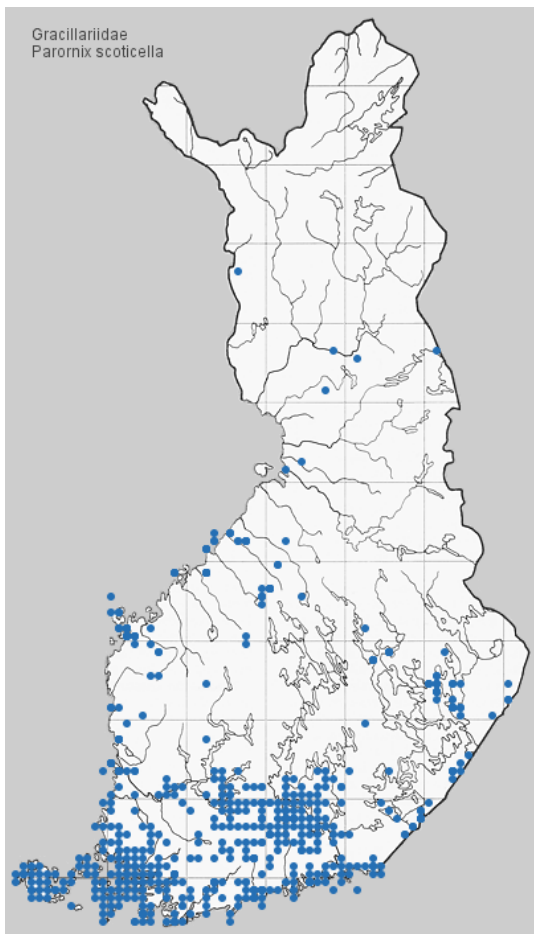




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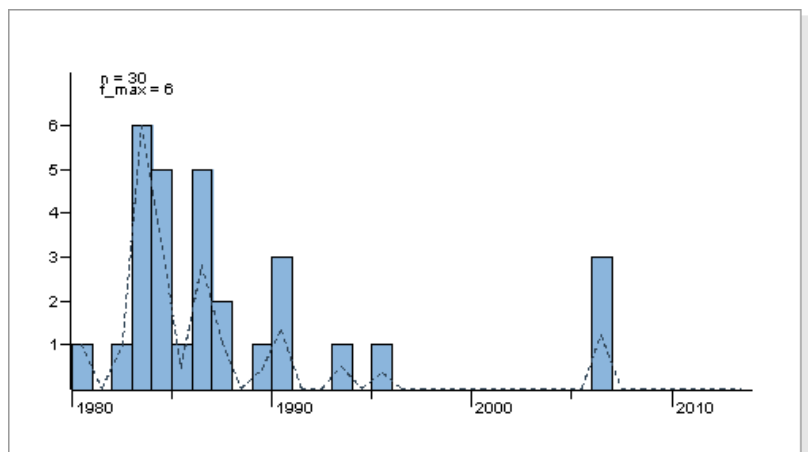
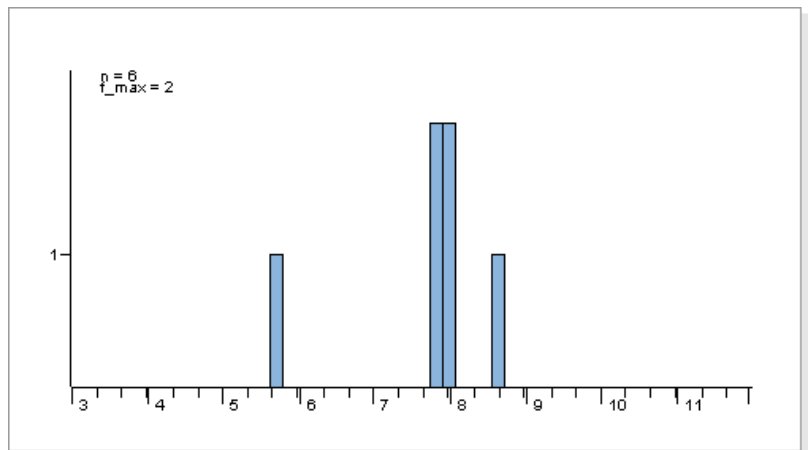
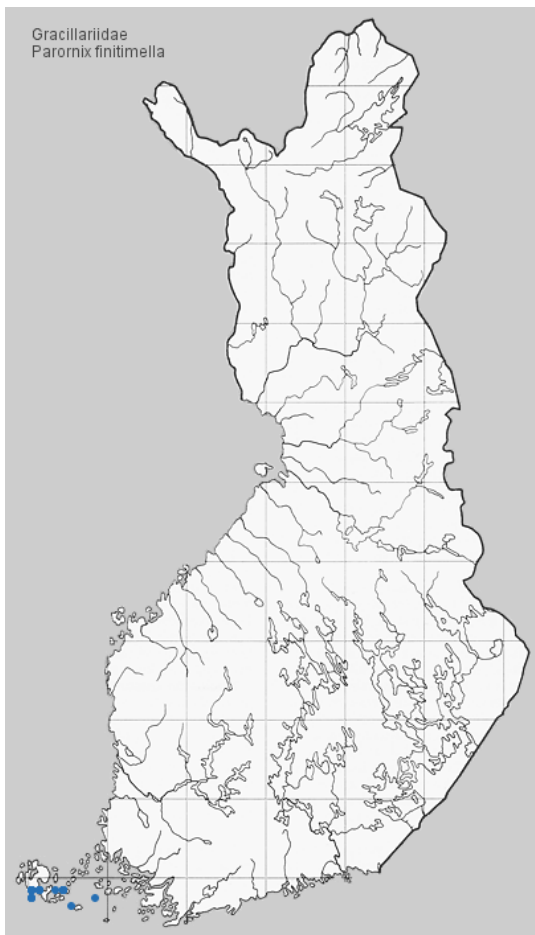


Kuva: R.Siloaho





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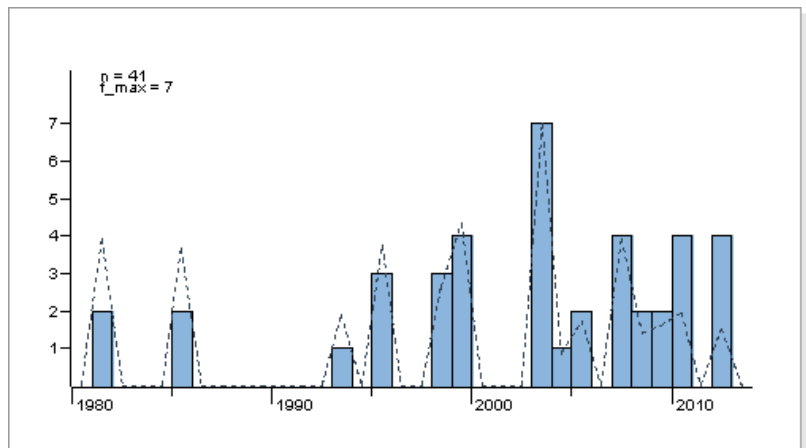
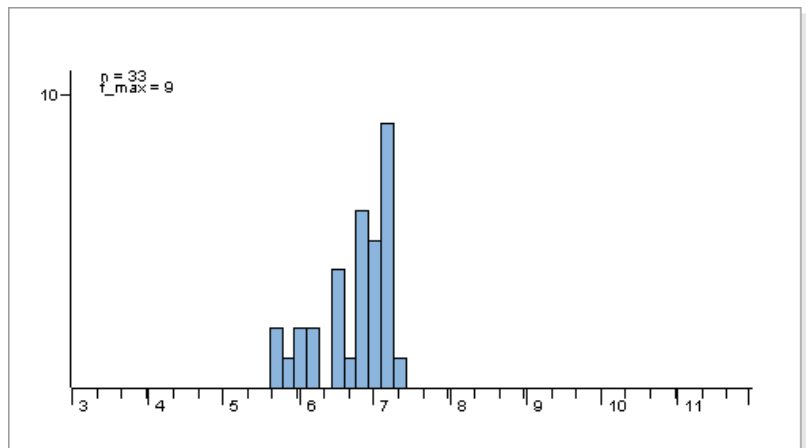
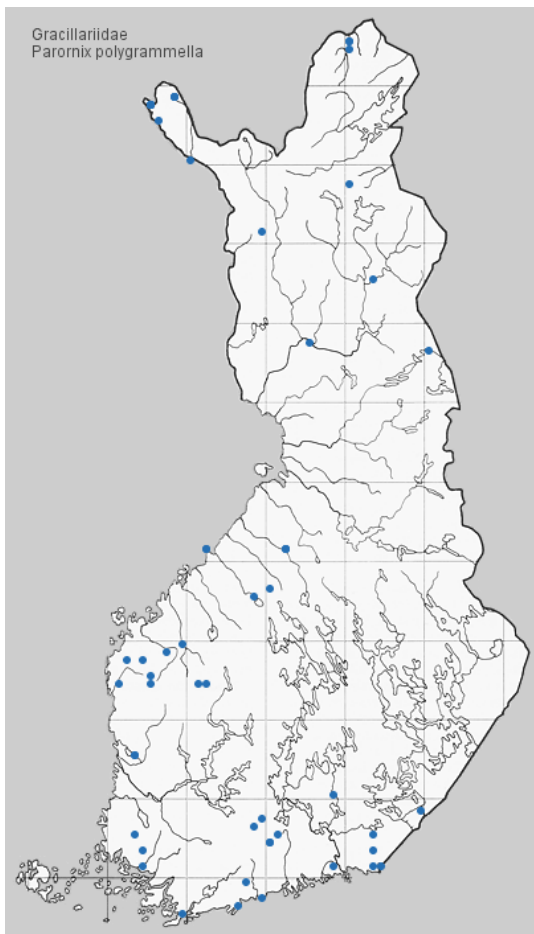




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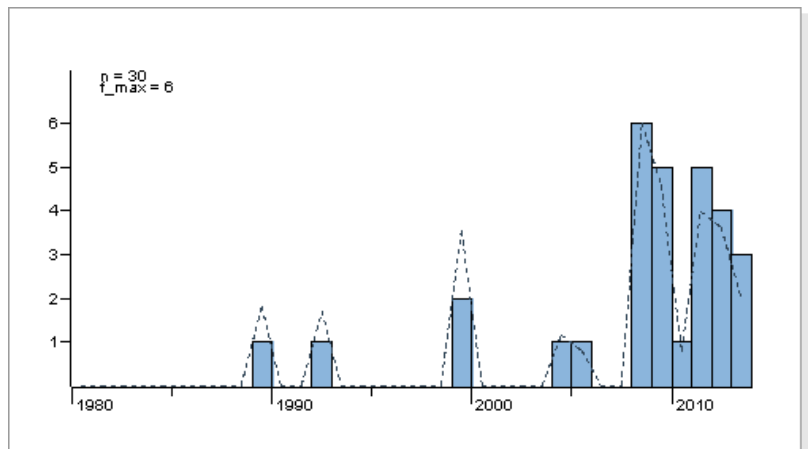
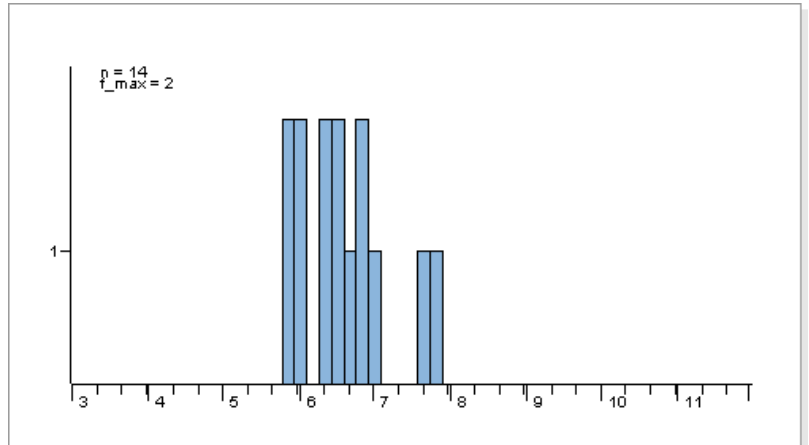
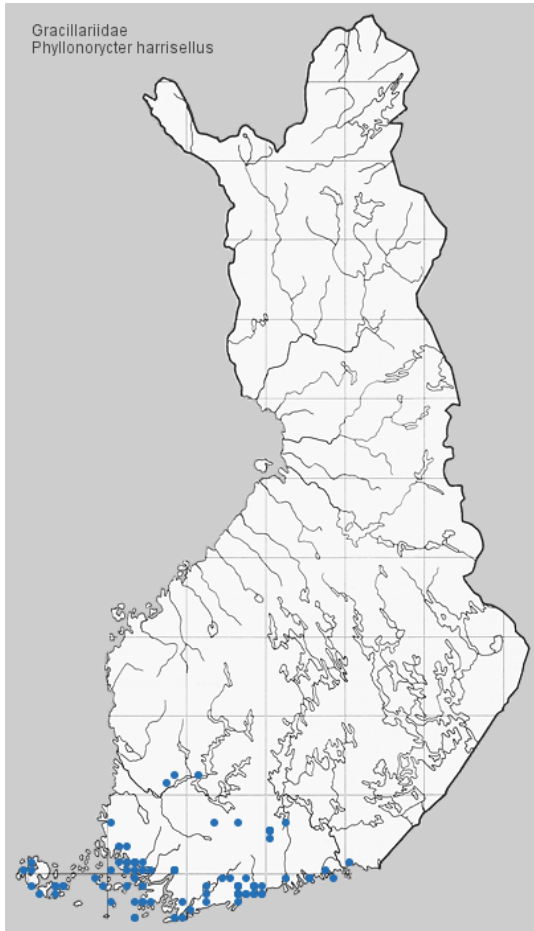
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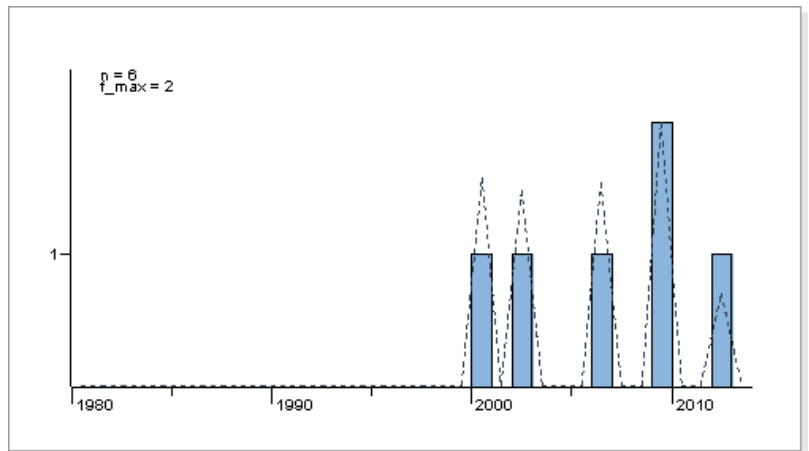
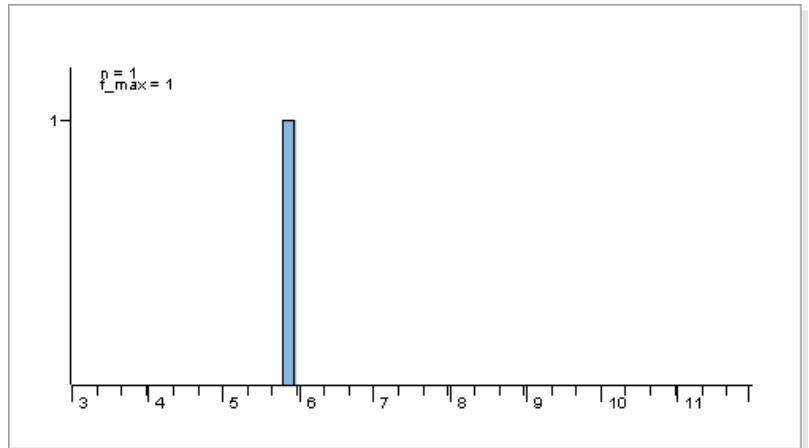
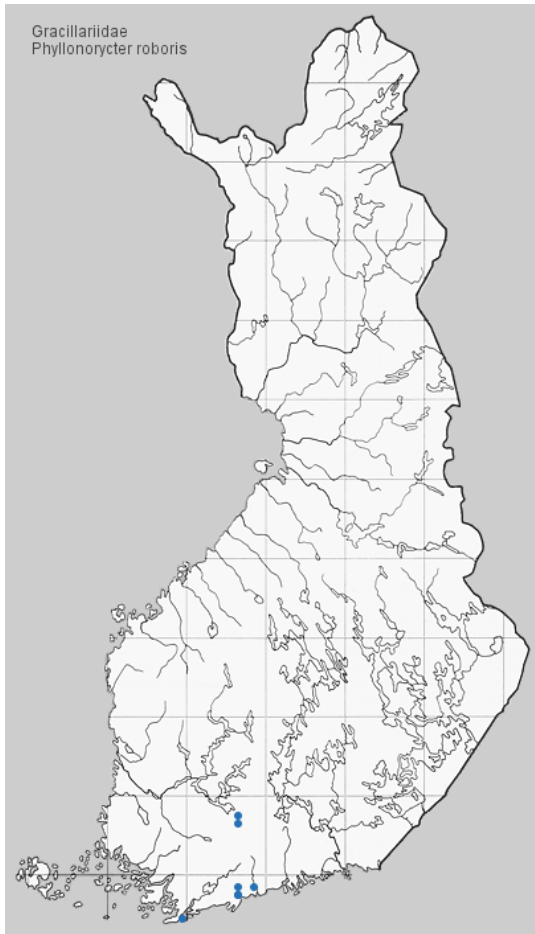


Kuva: J. Tyllinen



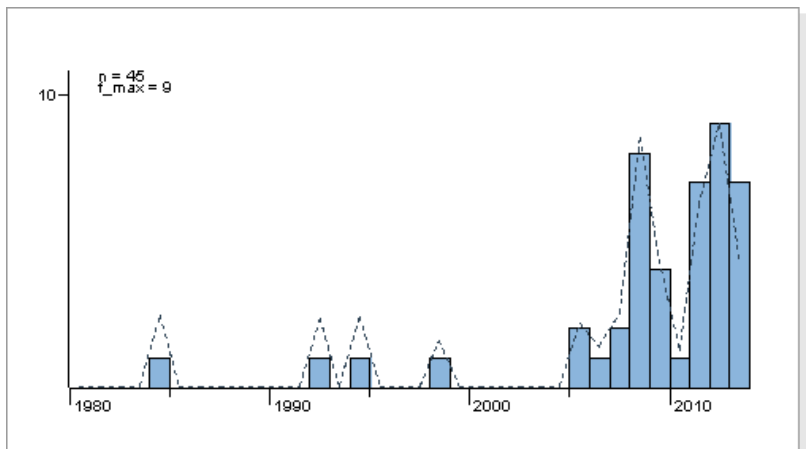
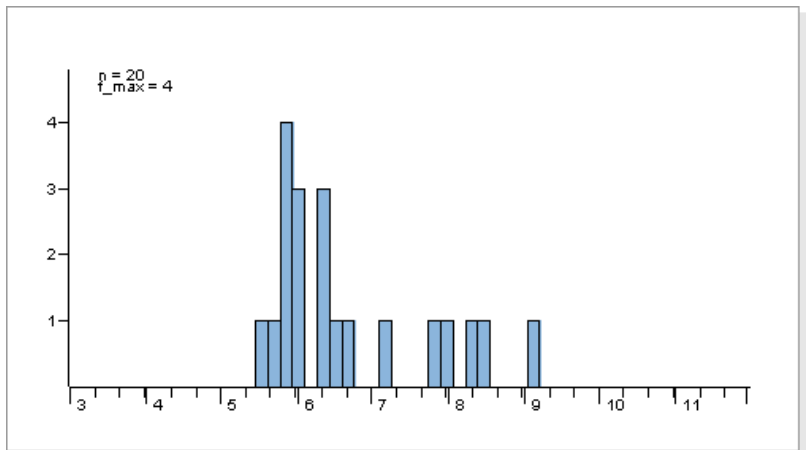
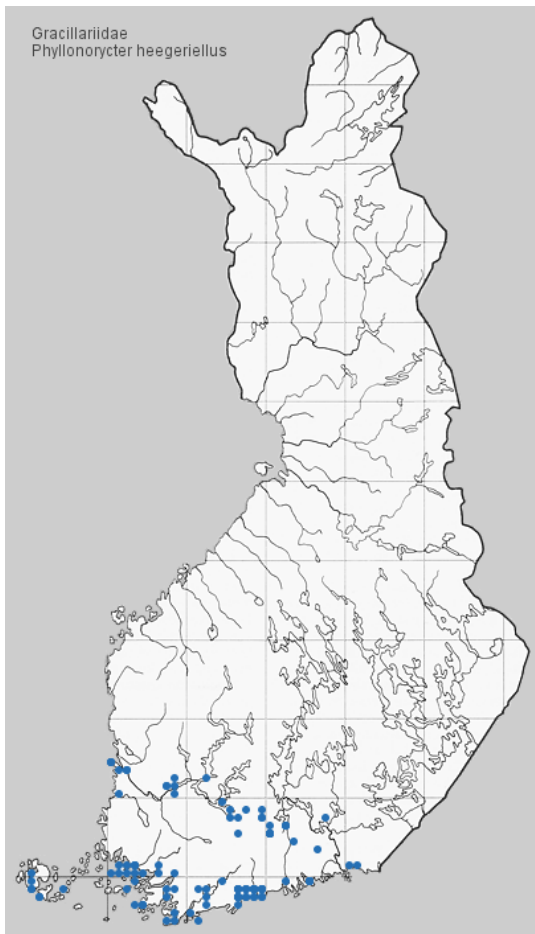


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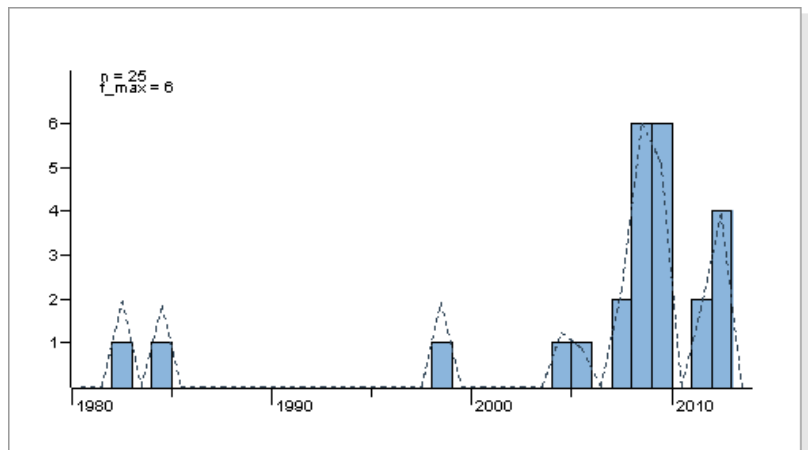
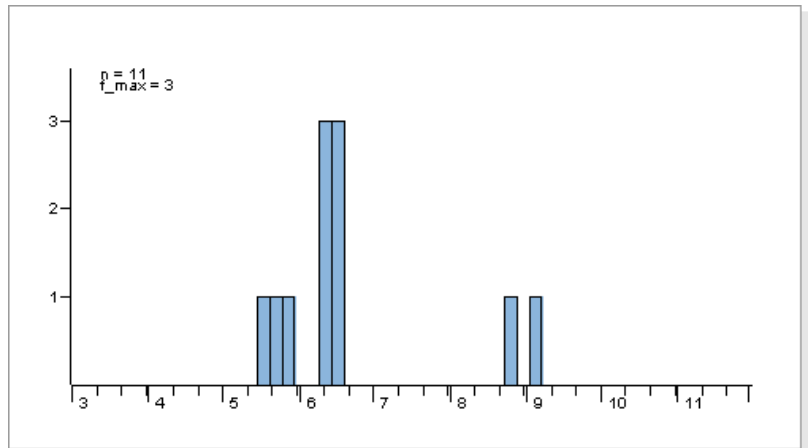
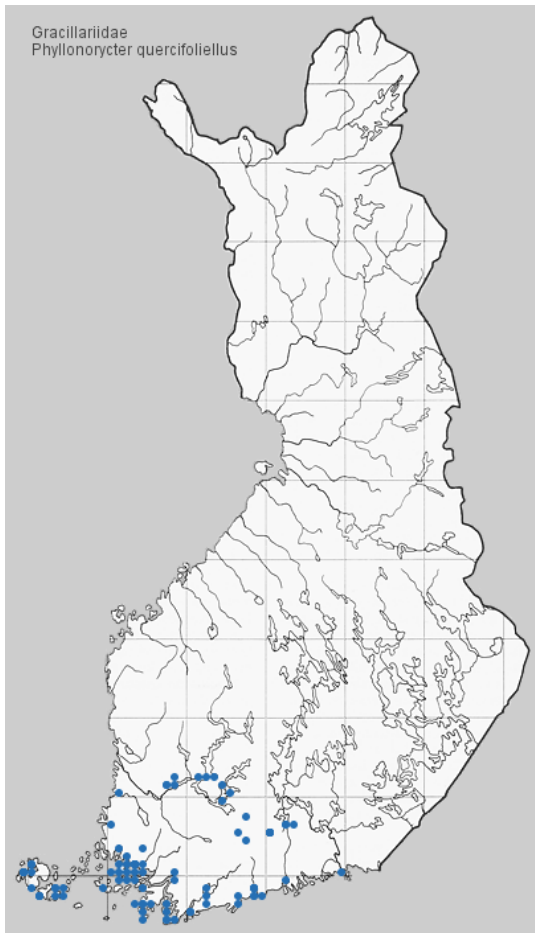


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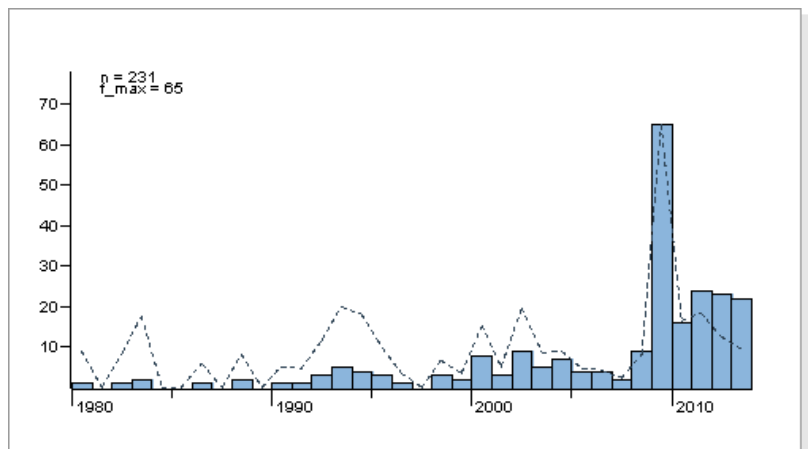
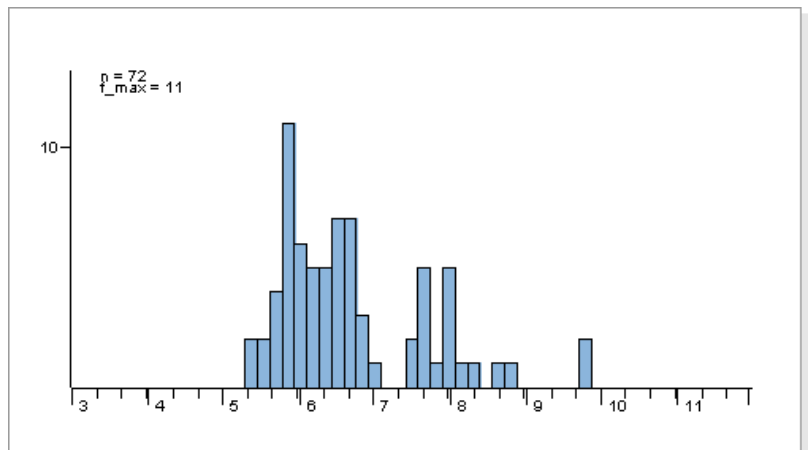
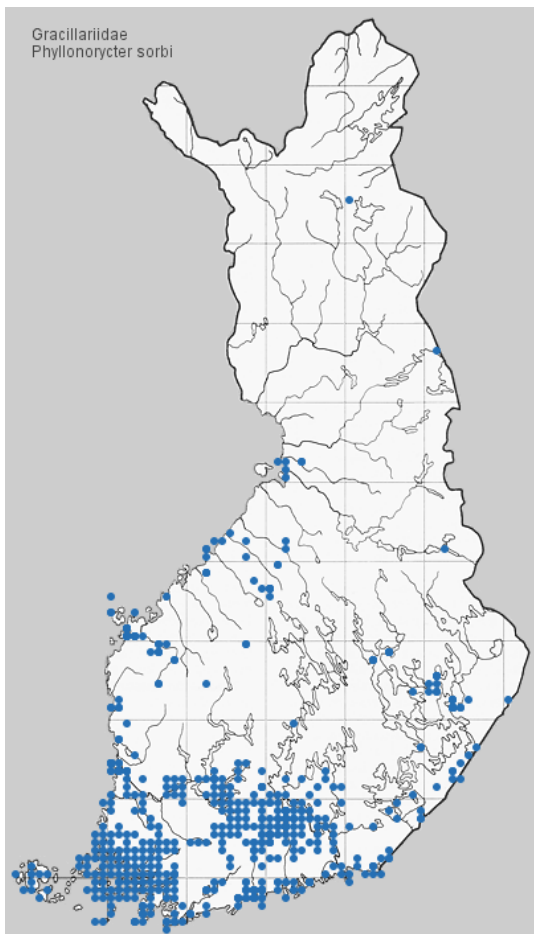


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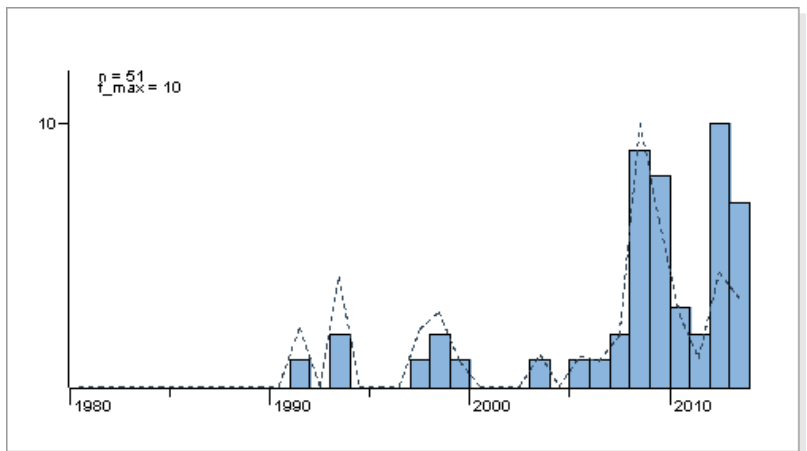
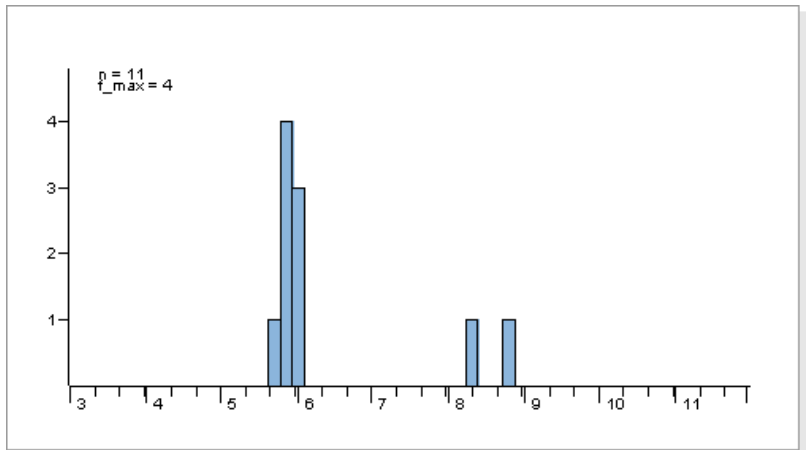
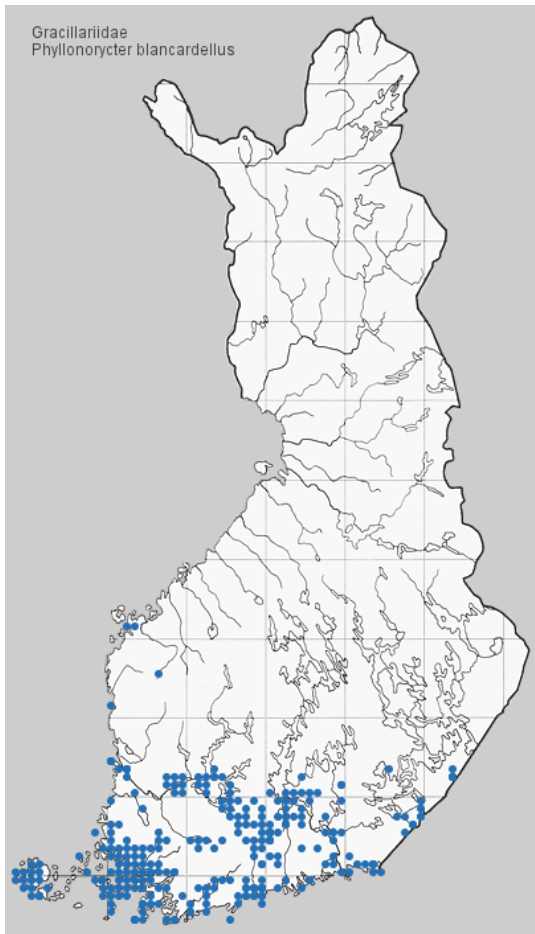


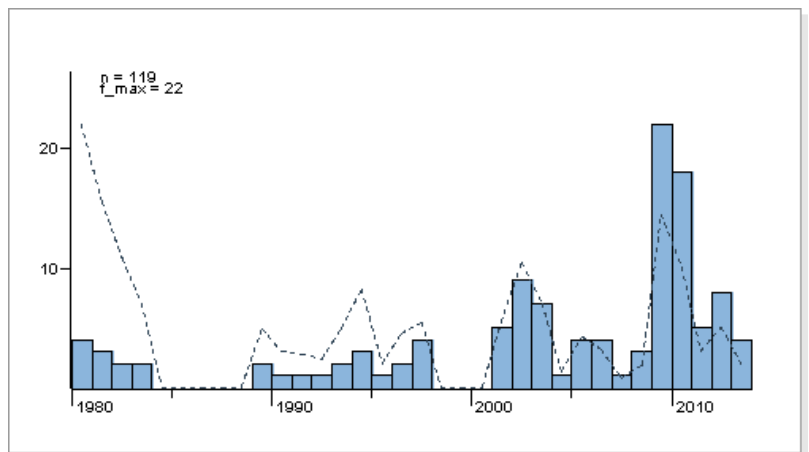
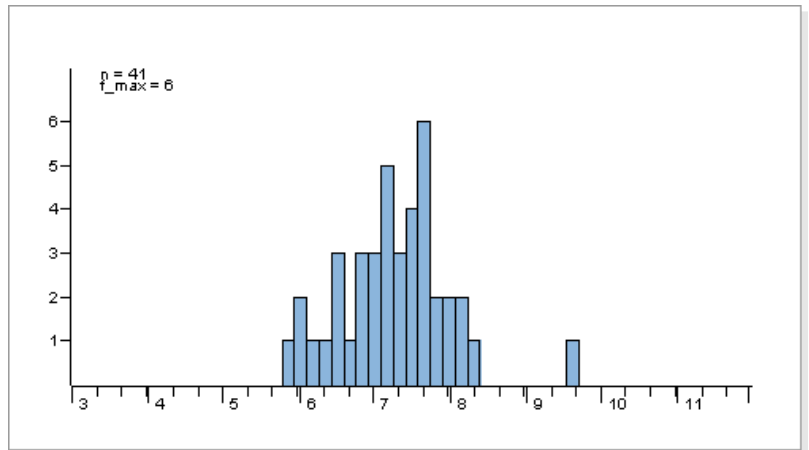
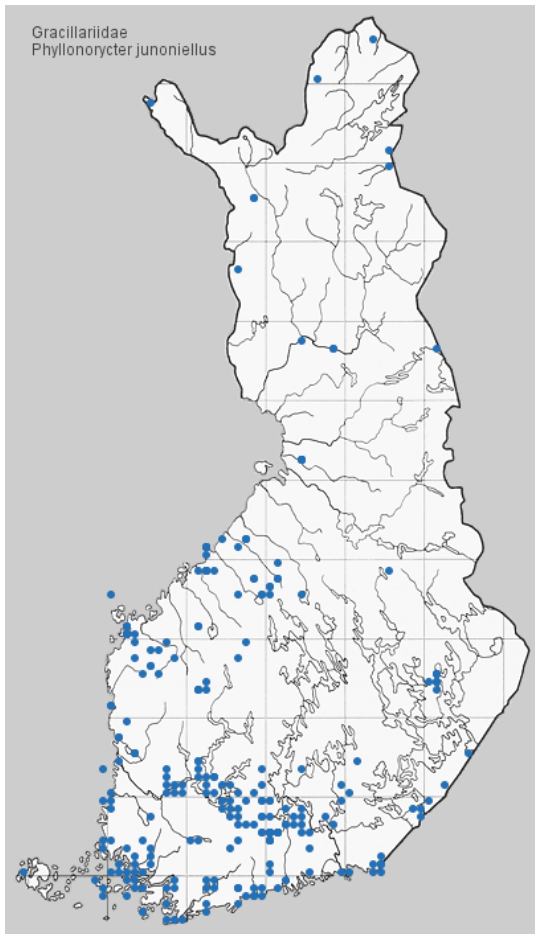
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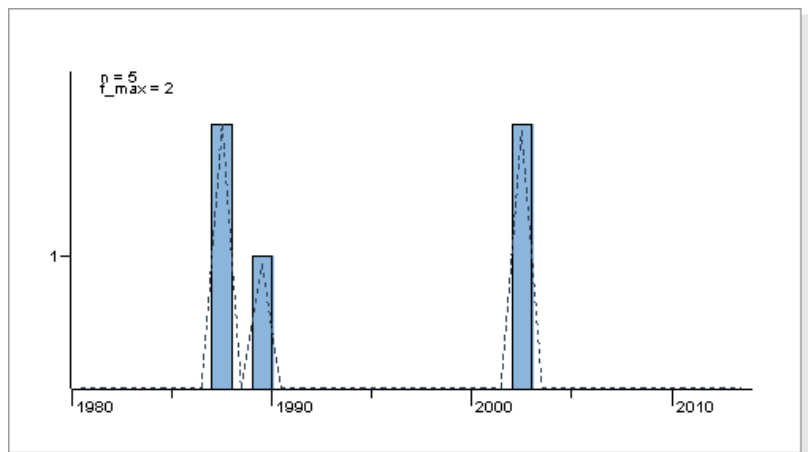
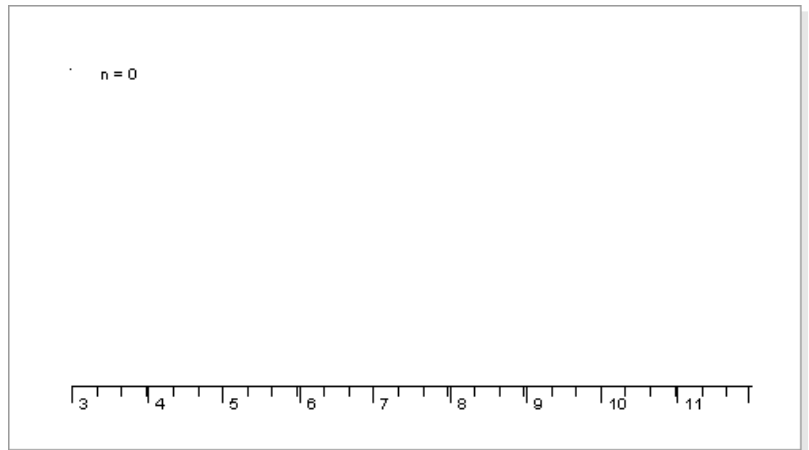
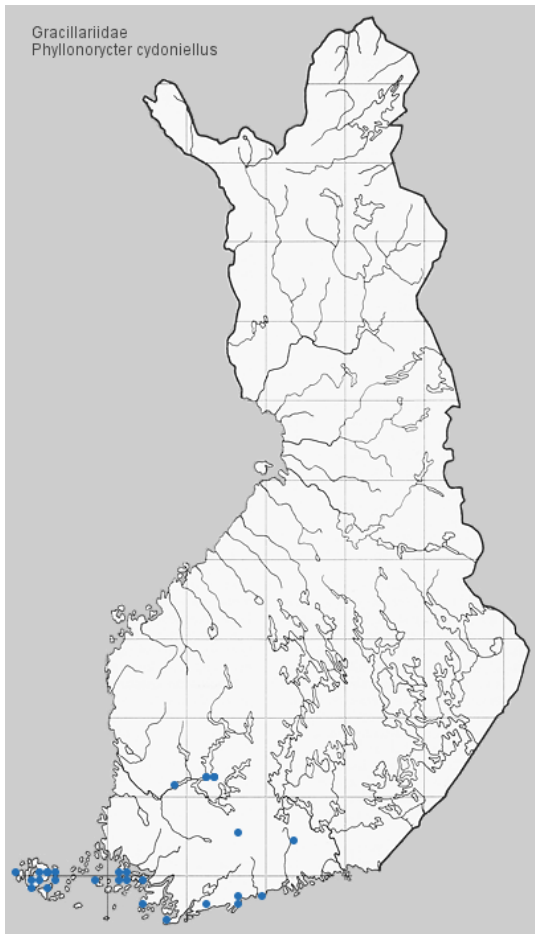




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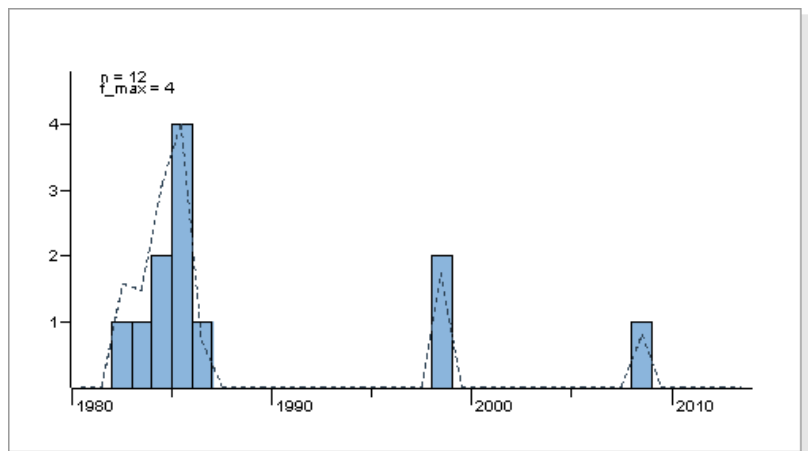
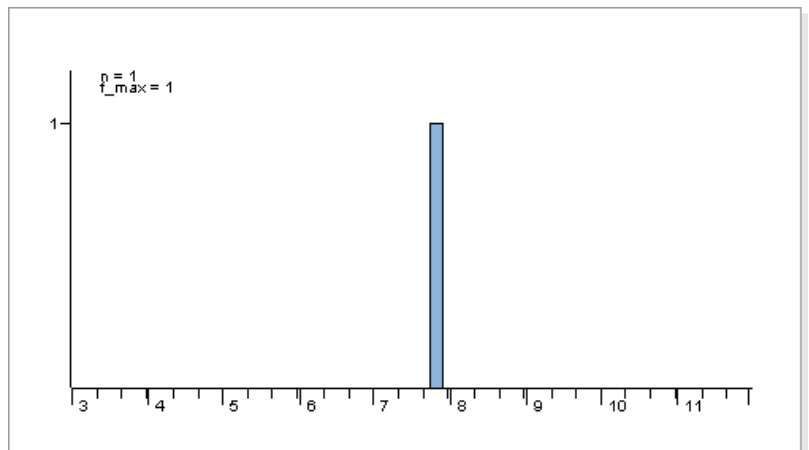
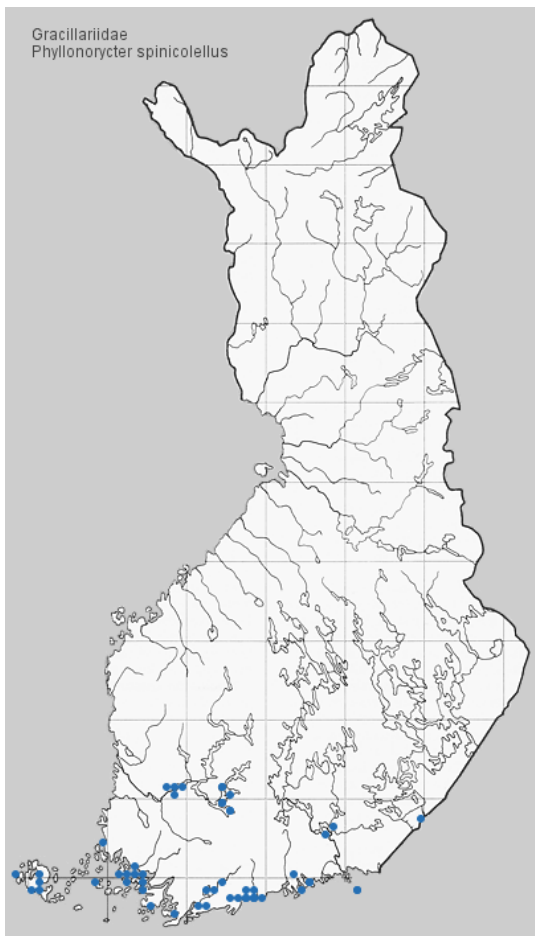






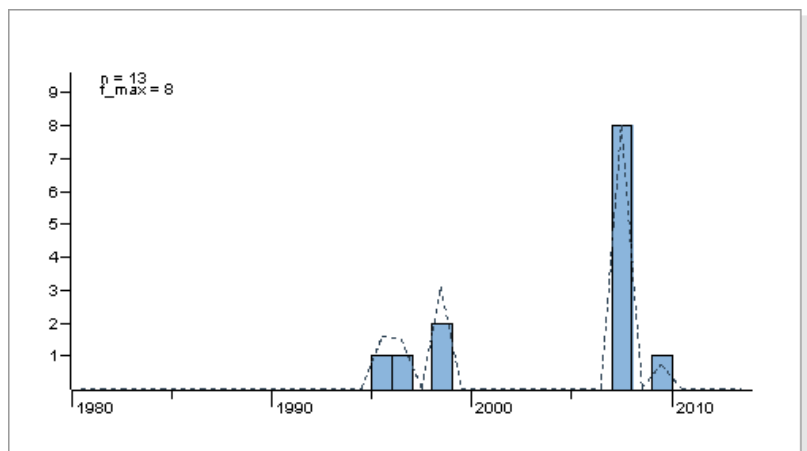
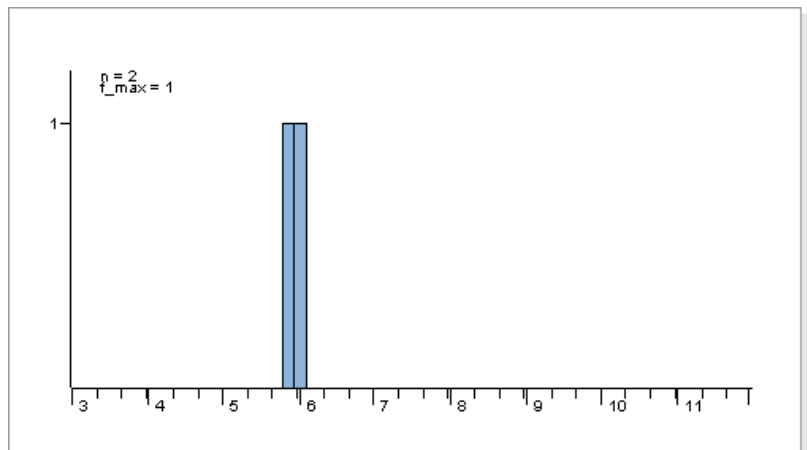
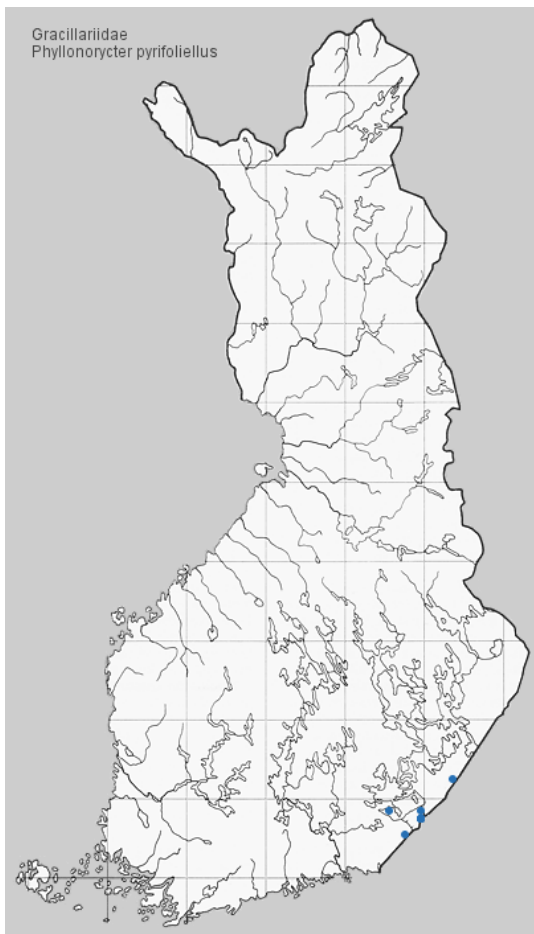


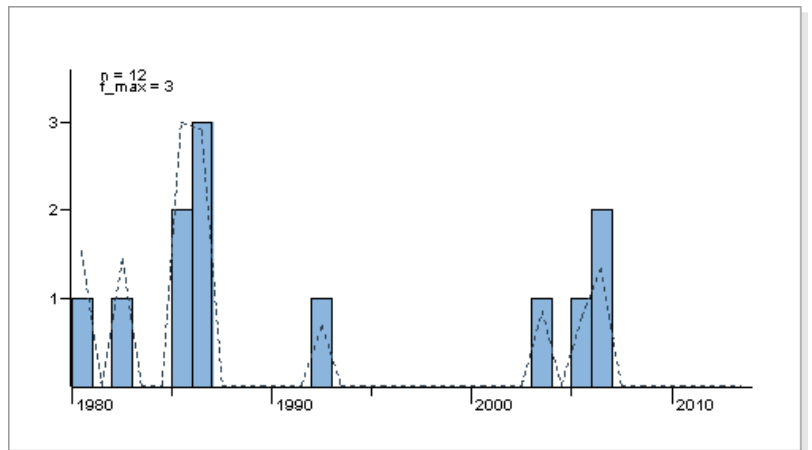
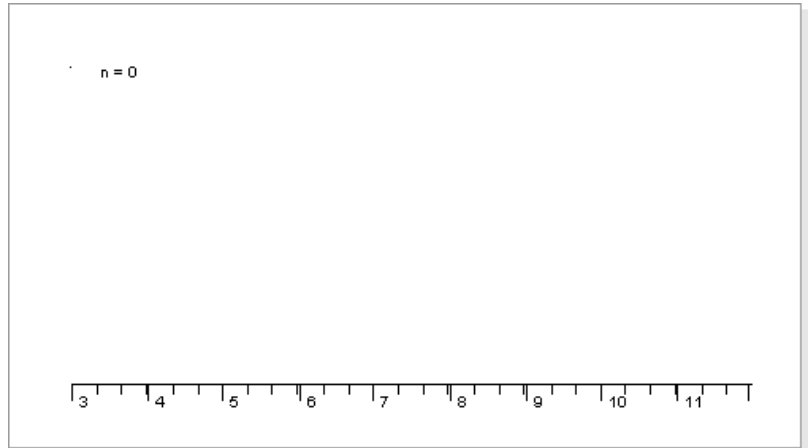
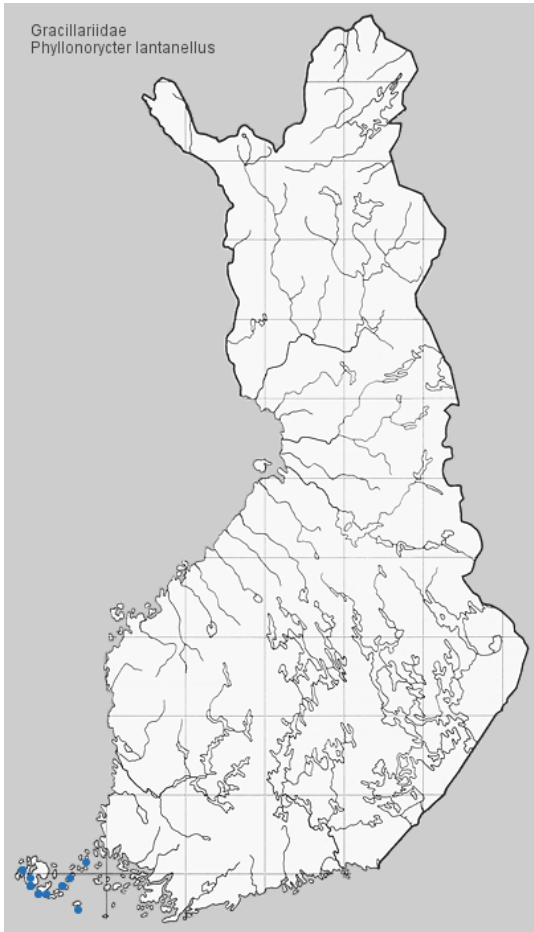
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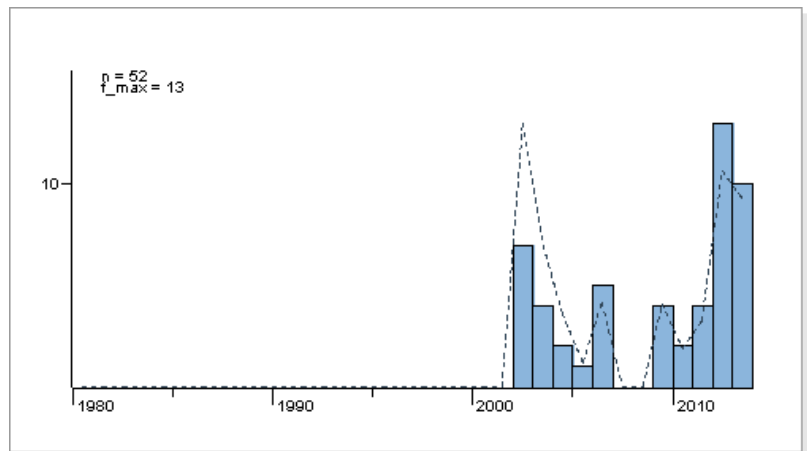
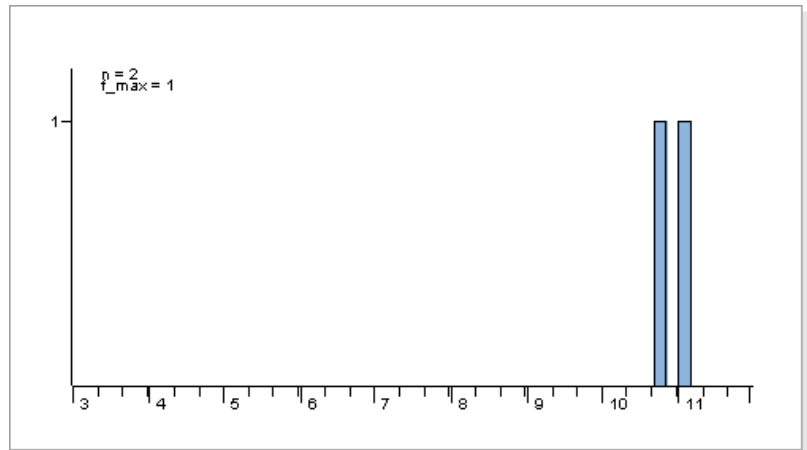
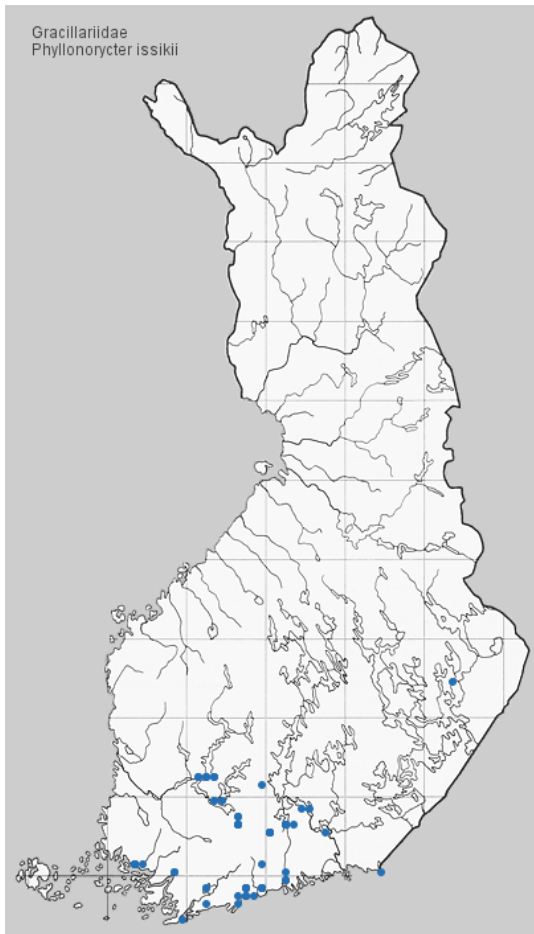






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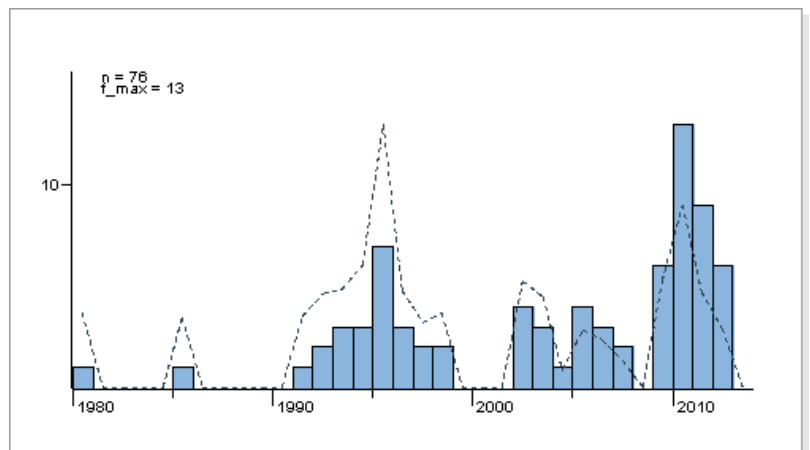
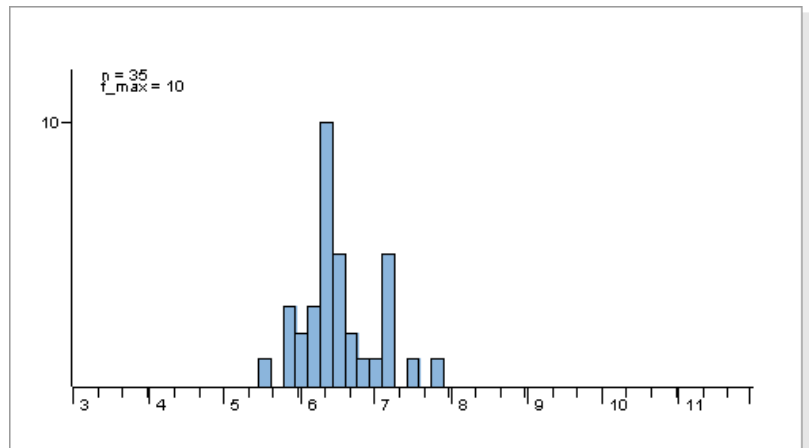
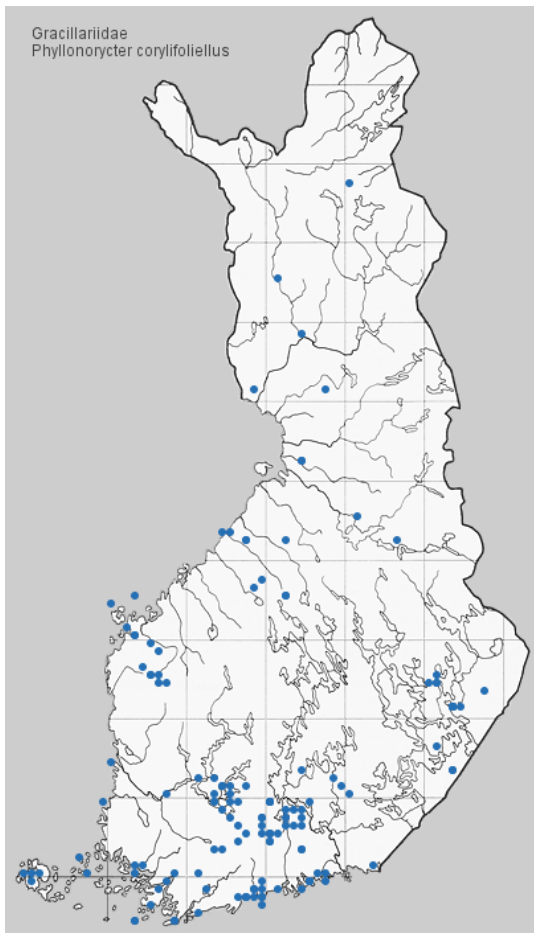
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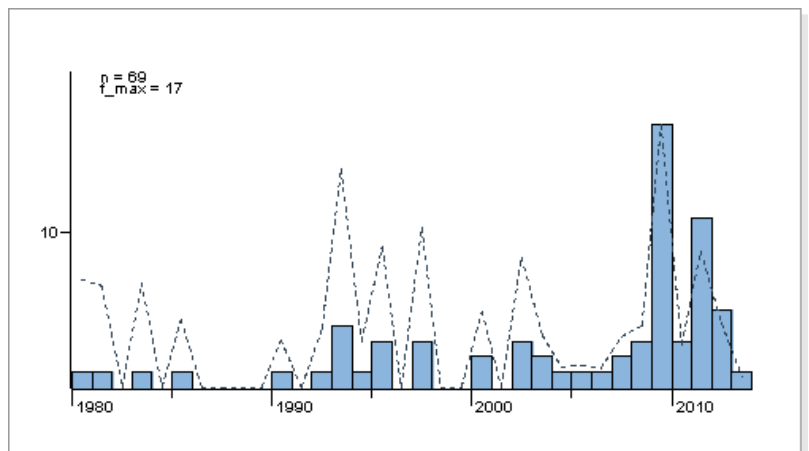
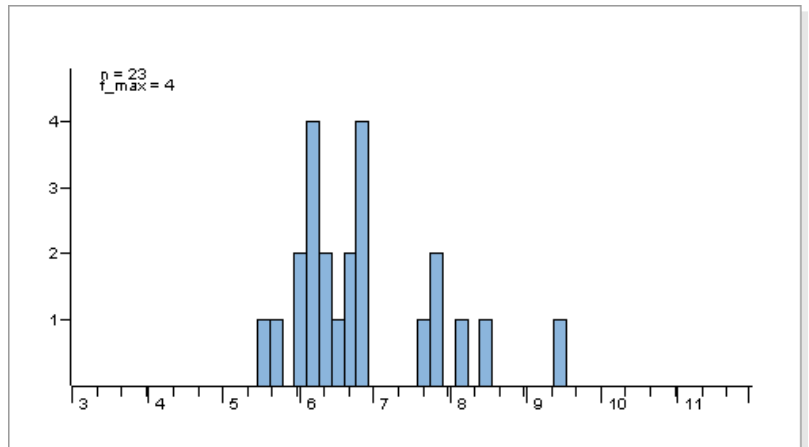
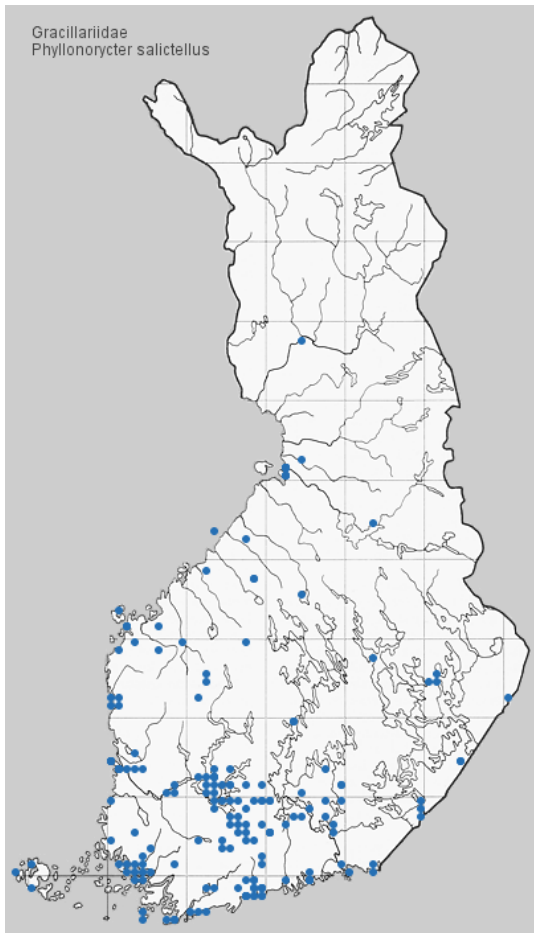
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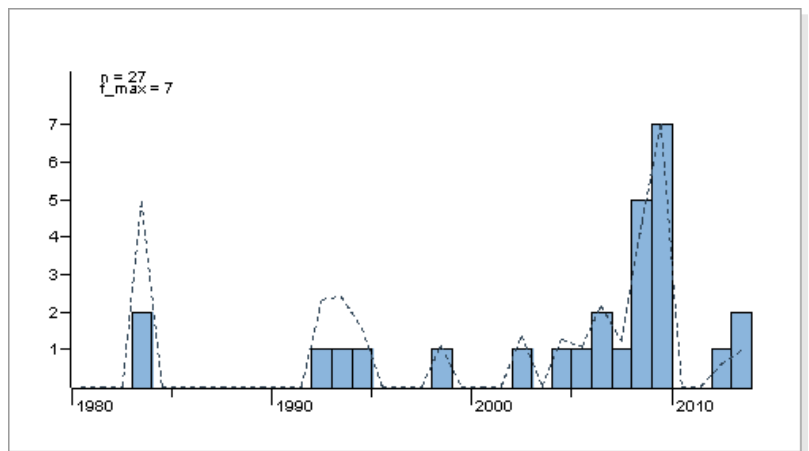
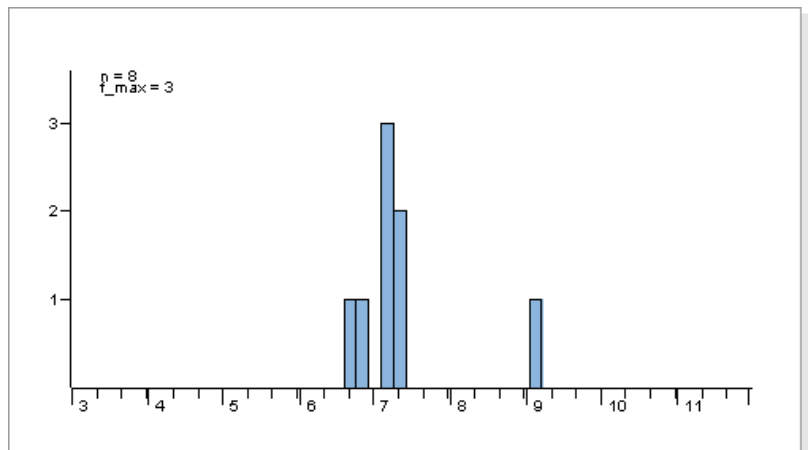
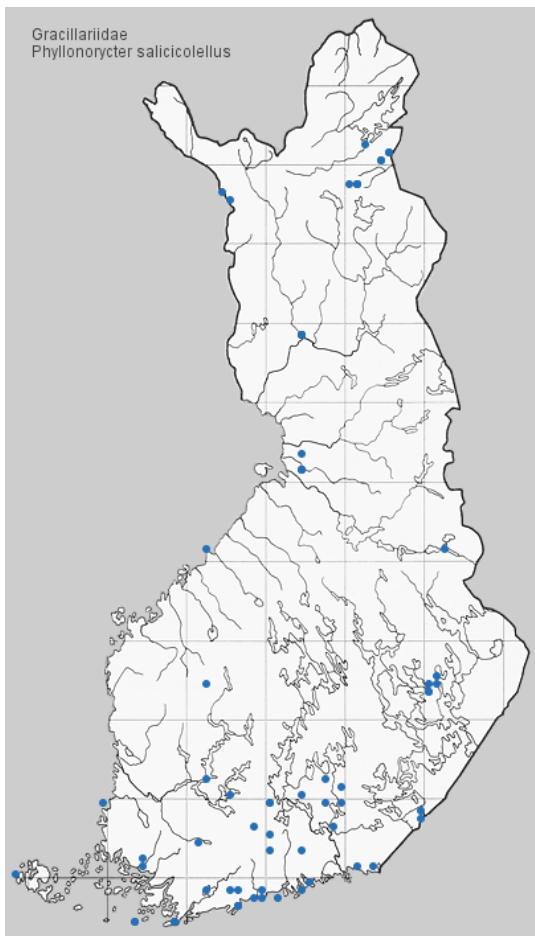




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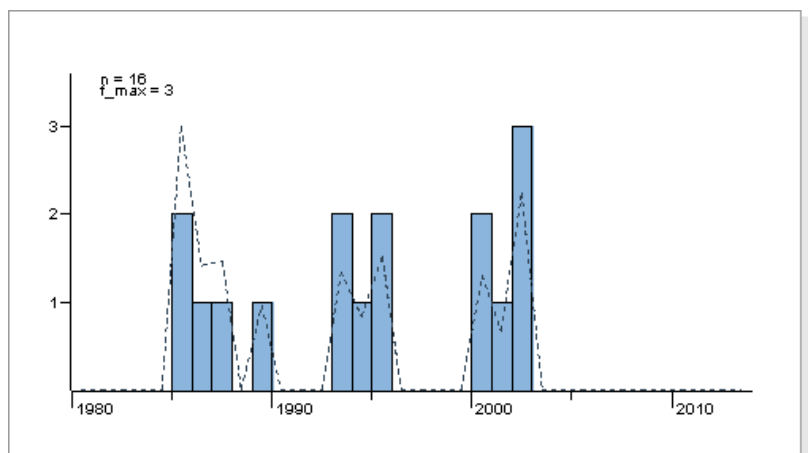
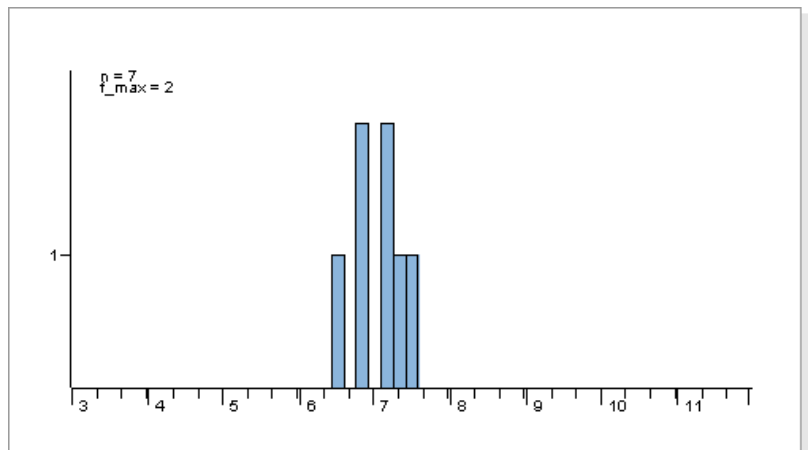
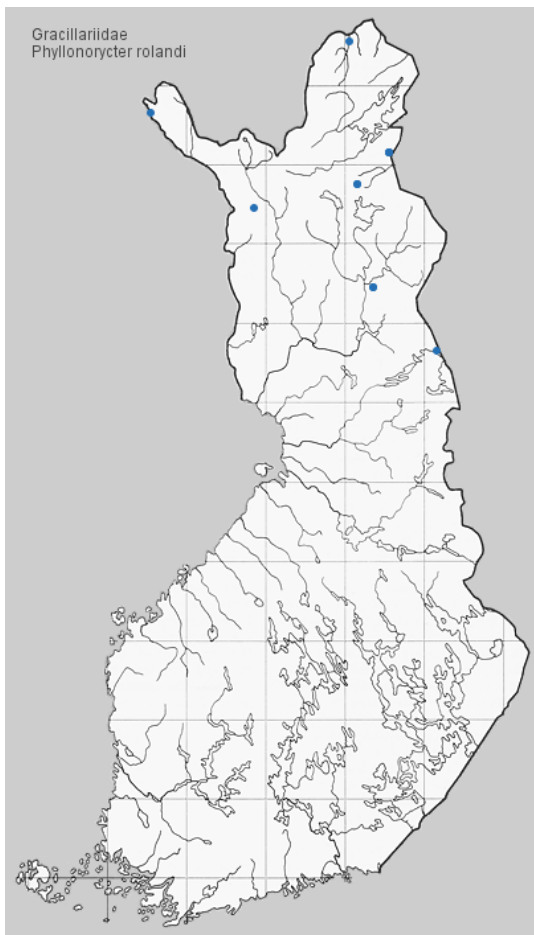


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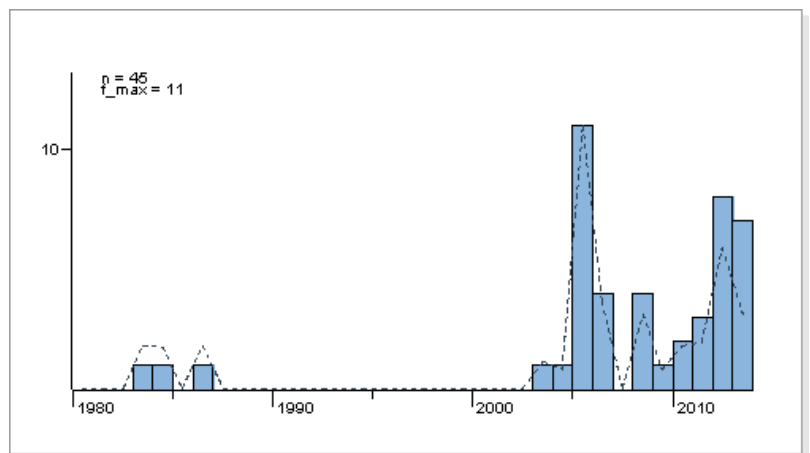
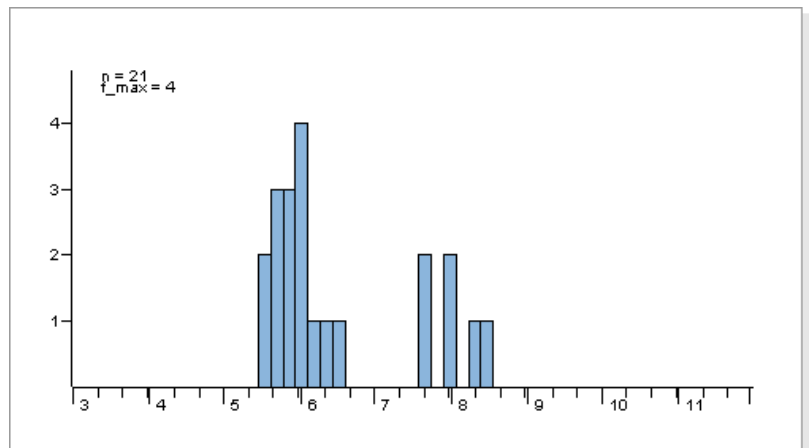
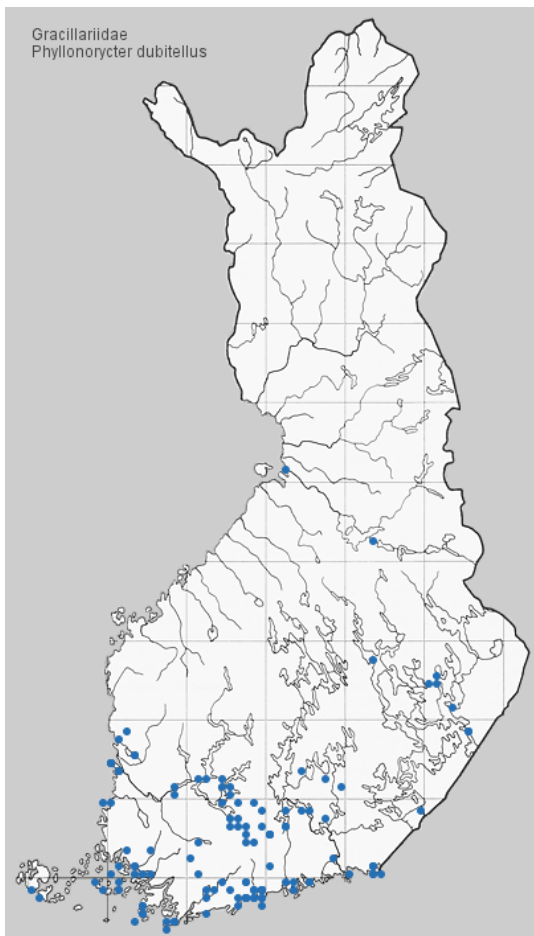






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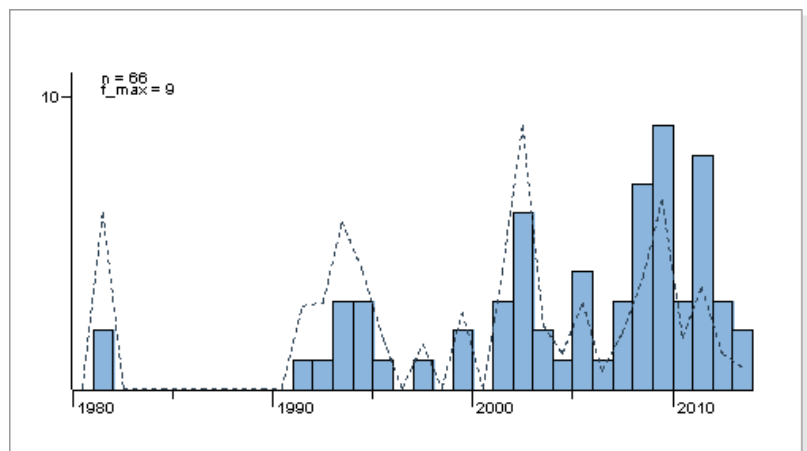
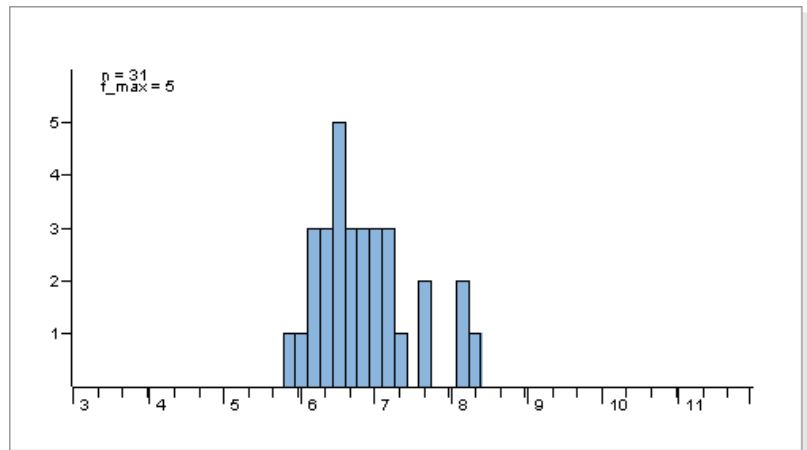
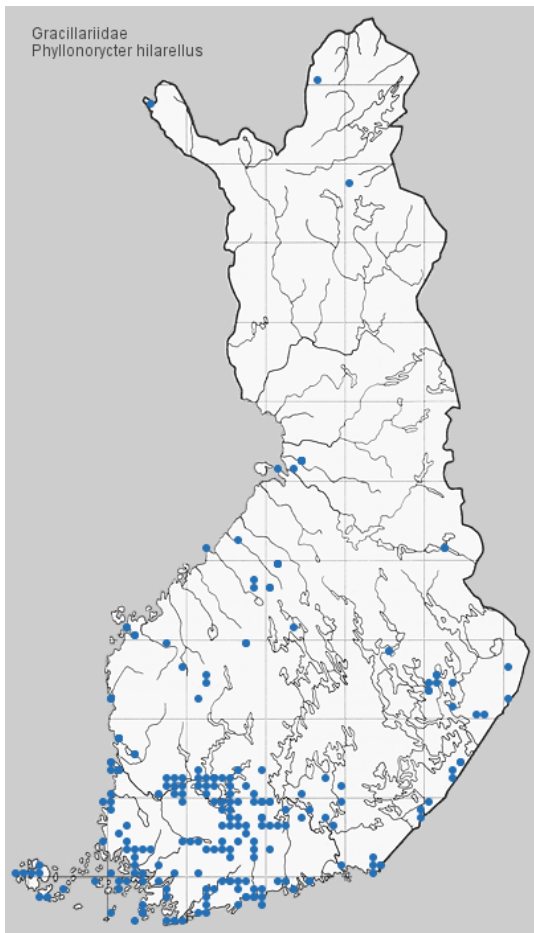
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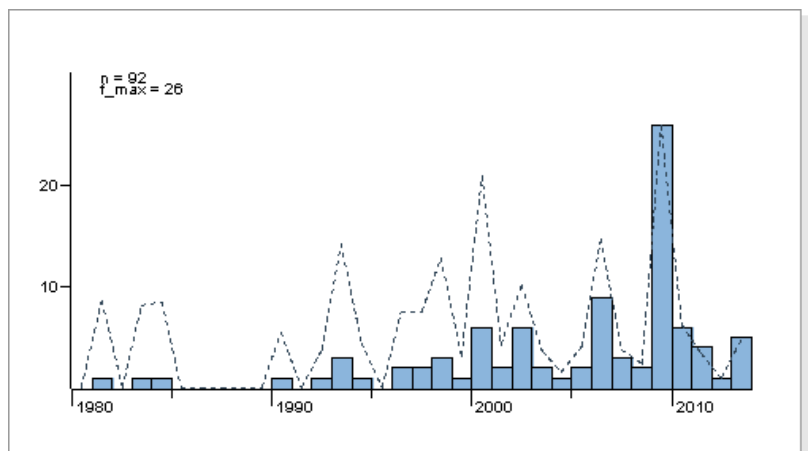
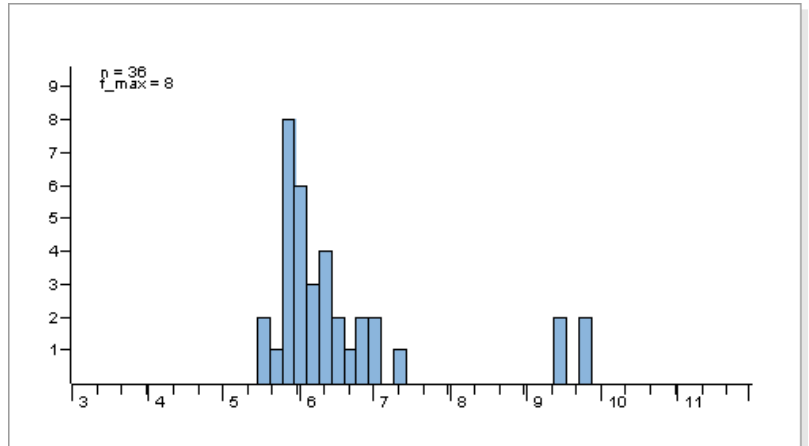
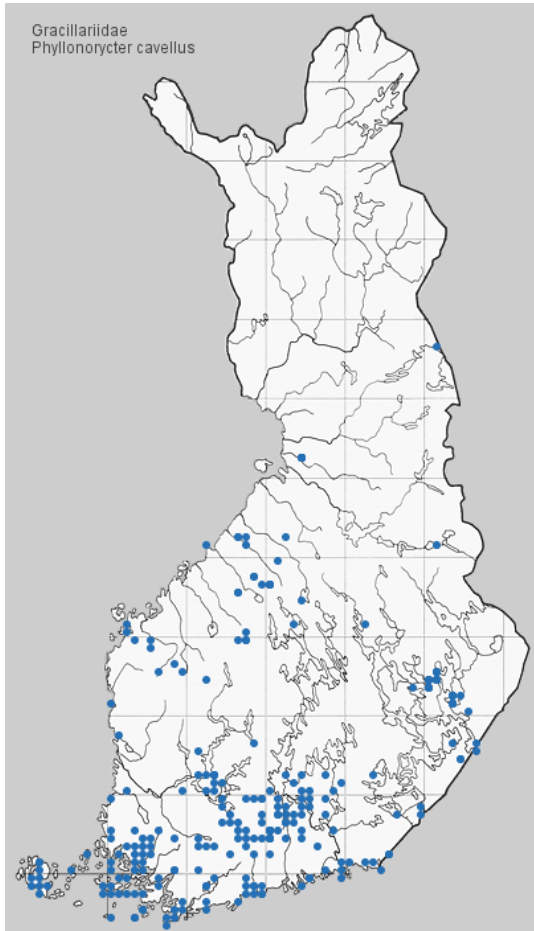
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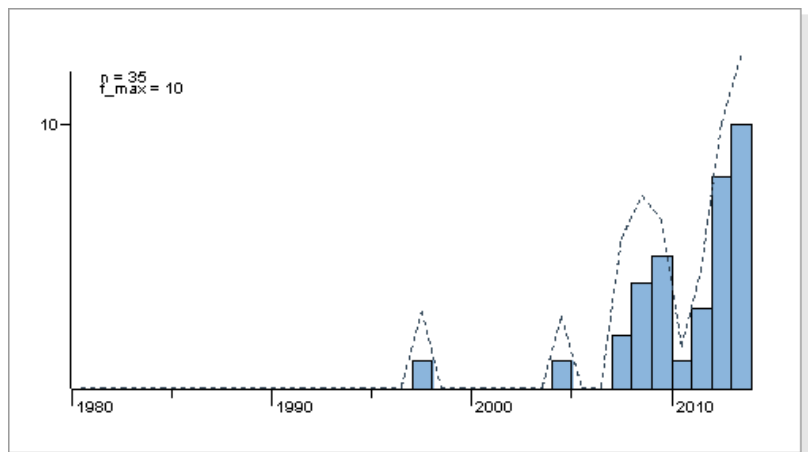
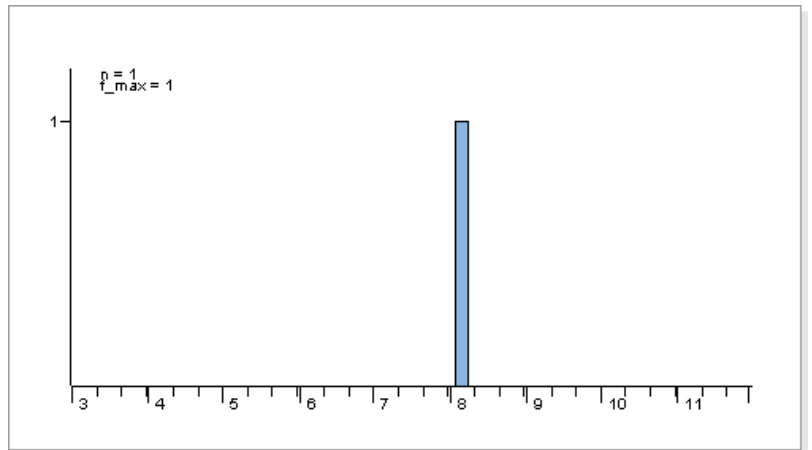
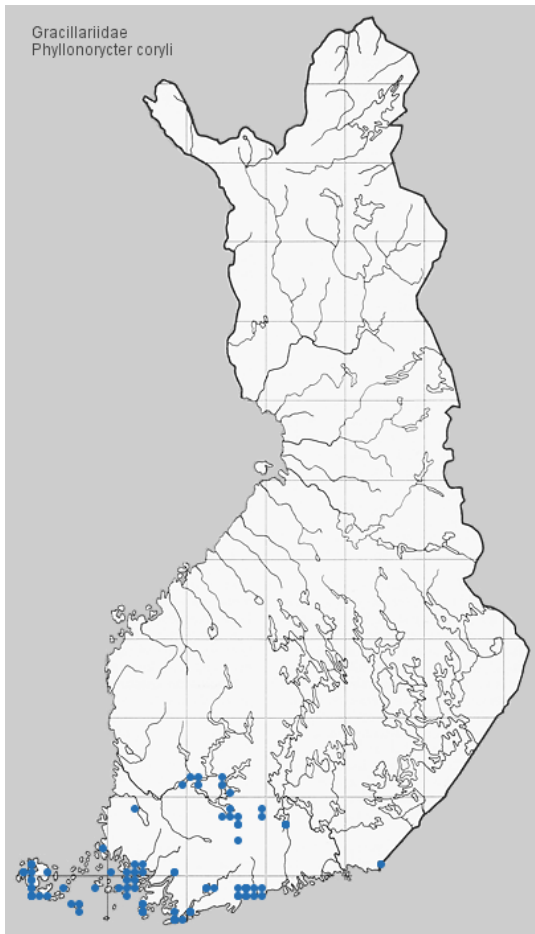
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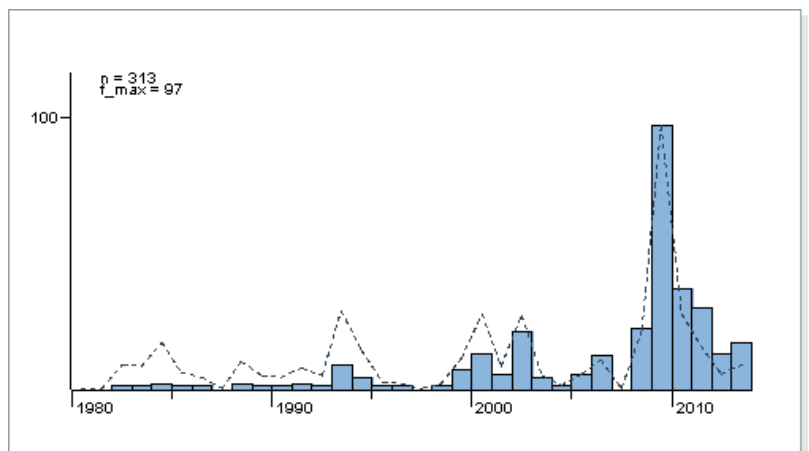
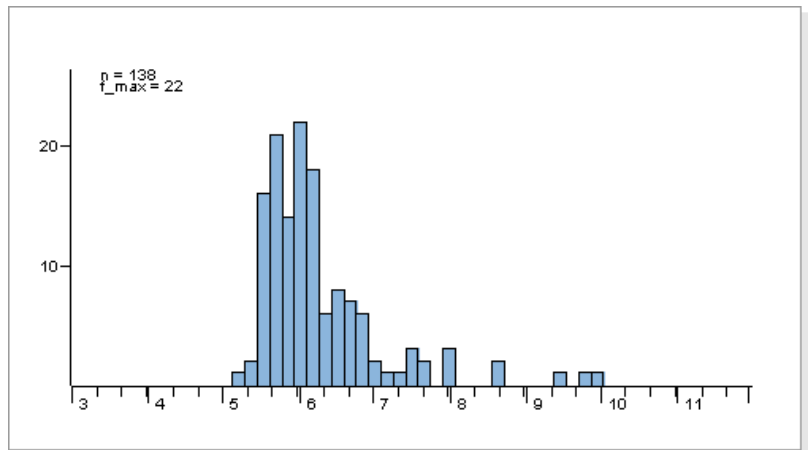
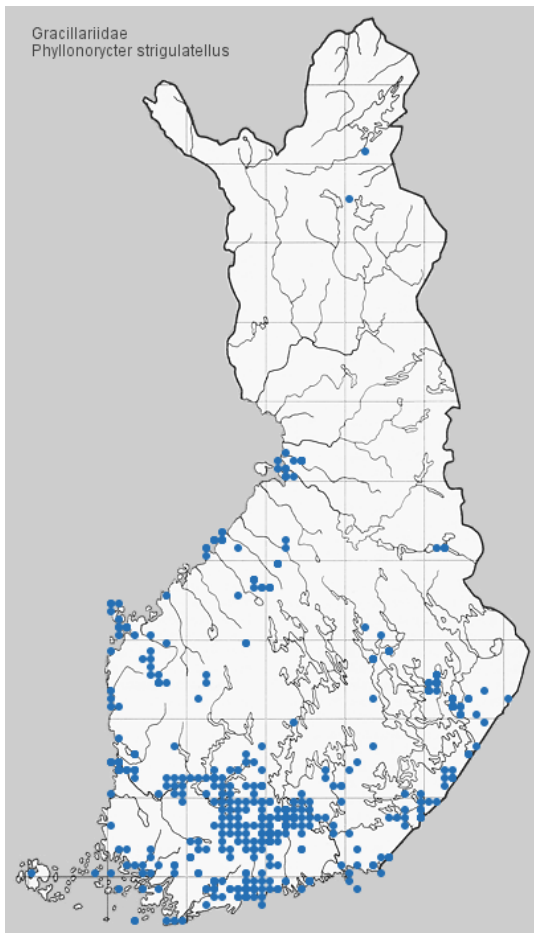
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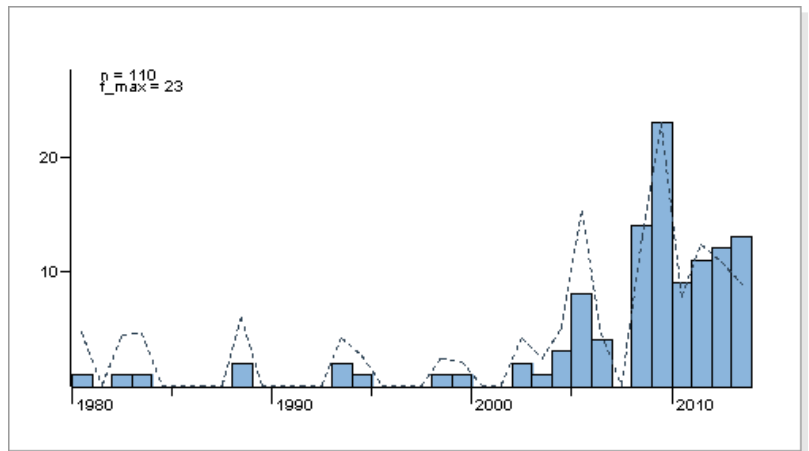
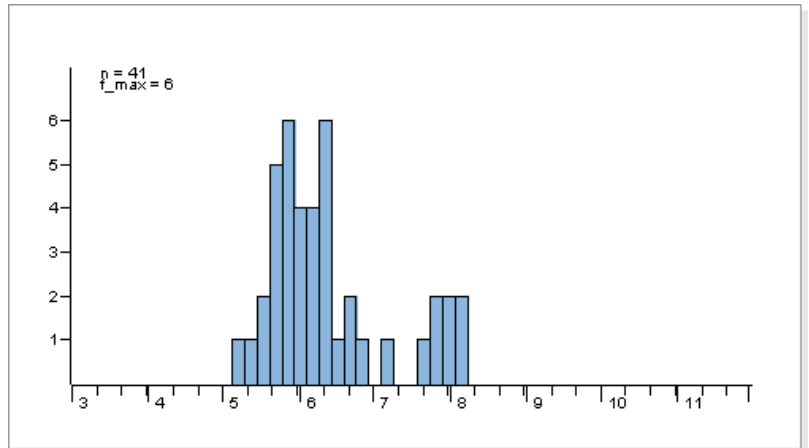
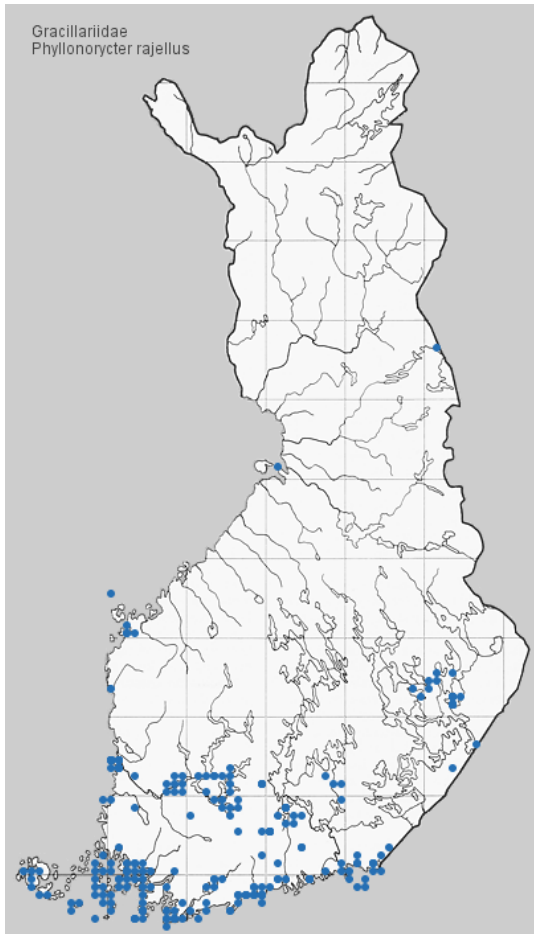


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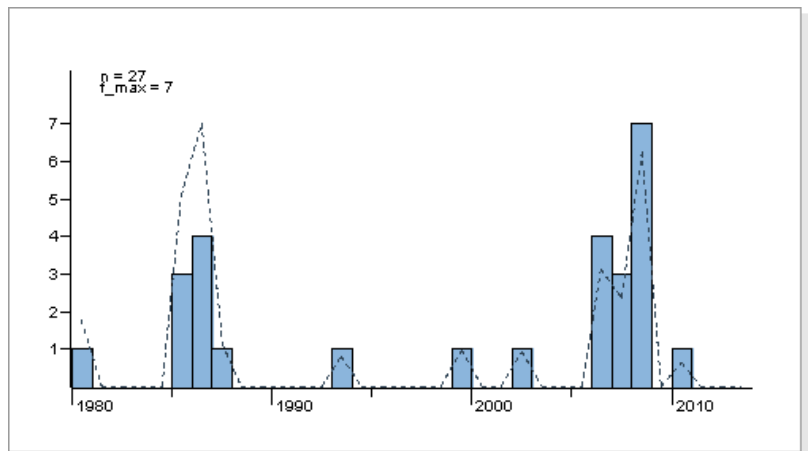
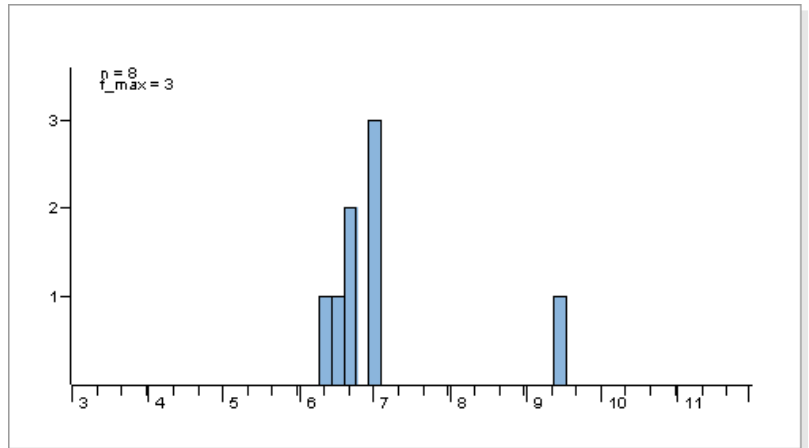
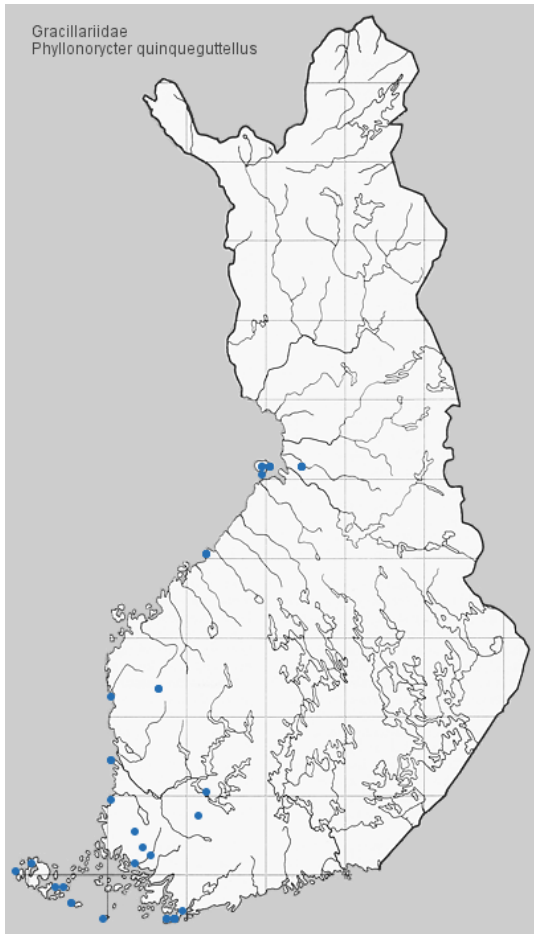


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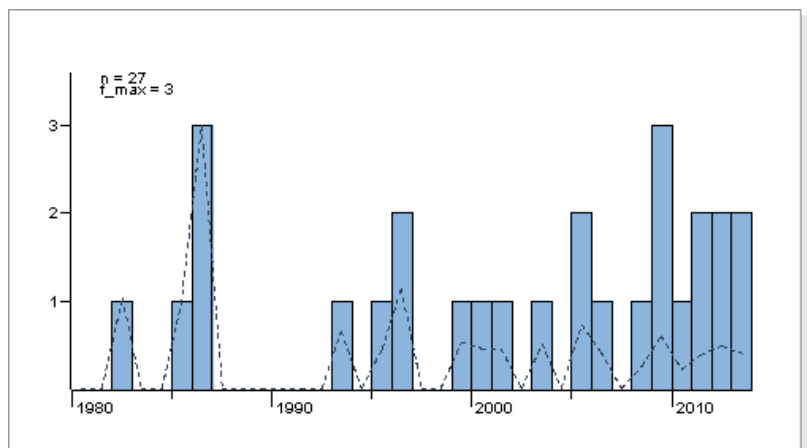
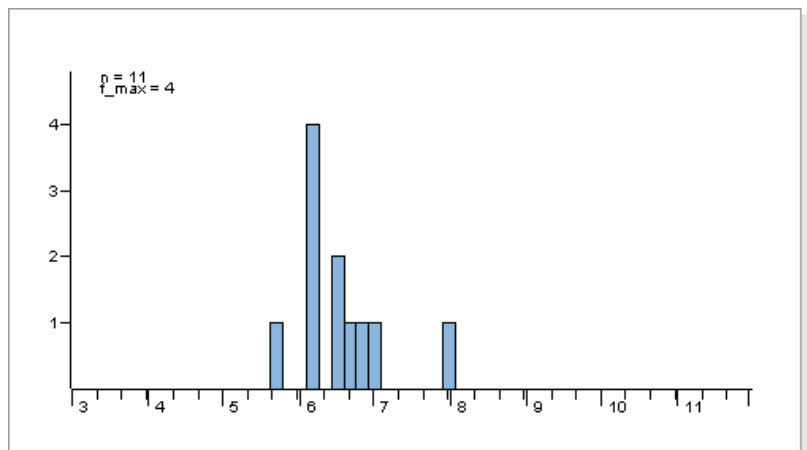
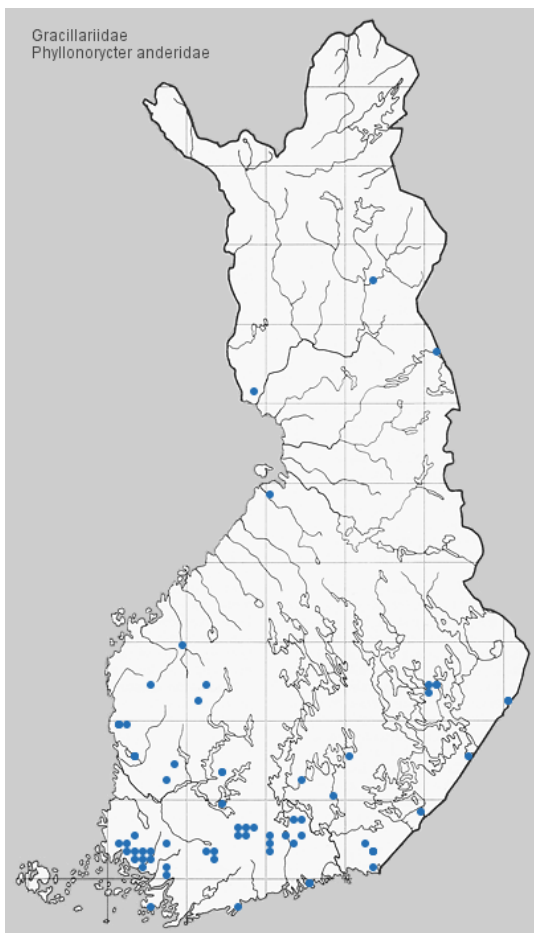


Kuva: R.Siloaho





Kuva: R.Siloaho



**Tuntomerkit.** Siipiväli 5-7 mm. Pää oranssi tai ruskeanharmaa, naama valkoinen. Tuntosarvet kiiltävän valkoiset, niissä ruskeanharmaita renkaita. Keskiruumis oranssi tai ruskea. Etusiivet kiiltävän kullanuskean oranssit tai kullanuskeat; tyvijuomu hyvin selkeä, suora, ei huomattavan pitkä ja kapea eikä mutkainen (ulottuu kolmannekseen siiven pituutta, joskus osuu valkeaan poikkijuovaan), ei tummareunainen tyvestään, vain ulkoreunastaan. Takareunassa pieni, valkea täplä tyven lähellä. Hakastäplät hyvin selkeät, vaaleat (kiiltävän valkoiset). Kostaalihakastäpliä 4, dorsaalihakastäpliä 3. Ensimmäinen kostaalihakastäplä ei muodosta terävää kulmaa dorsaalihakastäplän kanssa; yksi vaalea poikkijauva (yhteensulautunut ensimmäinen hakastäpläpari). Poikkijuovassa kulma. Siiven kärjessä musta täplä. Takasiivet harmaat; ripset valkean ruskeanharmat.

**Elintavat.** Soilla, metsänreunoilla, metsäaukiolla. Lentää yöllä; tulee valolle.

Toukka kellertävänvihreä; takaruumiin VI jaokkeen selkäpuolella ei oranssinkeltaista täplää. Pää musta, keskeltä vaaleanharmaa. Elää heinäkuussa ja syys-lokakuussa vaivaiskoivulla (*Betula nana*) ja nuorilla hieskoivuilla (*B. pubescens*); kovertaa lehden alapintaa. Koteloituu koverteeseen ilman kotelokoppaa.

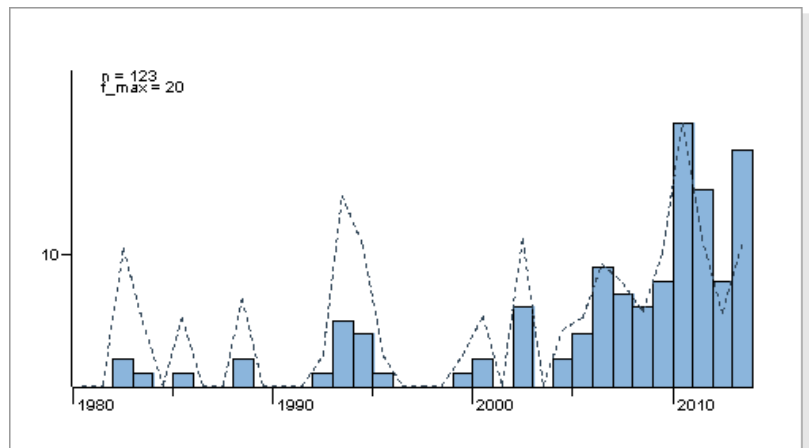
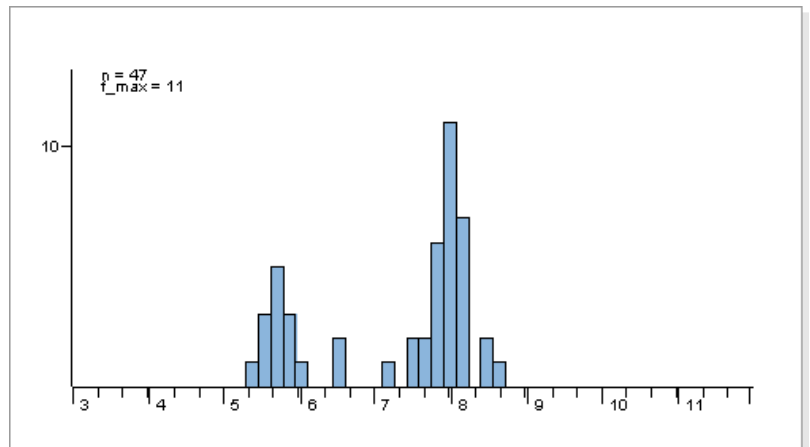
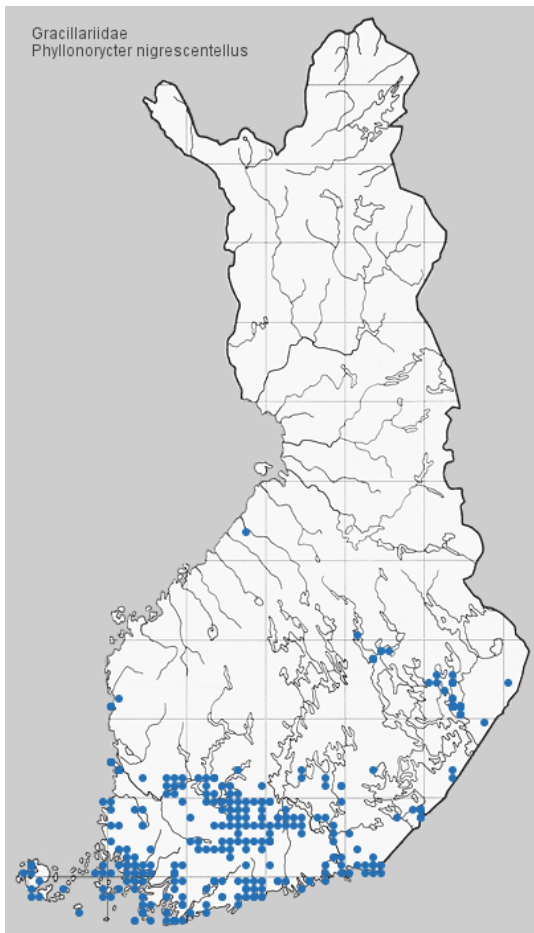




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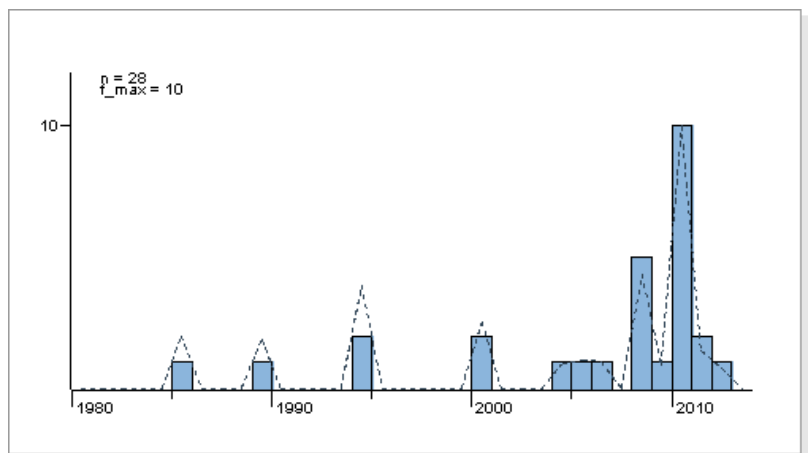
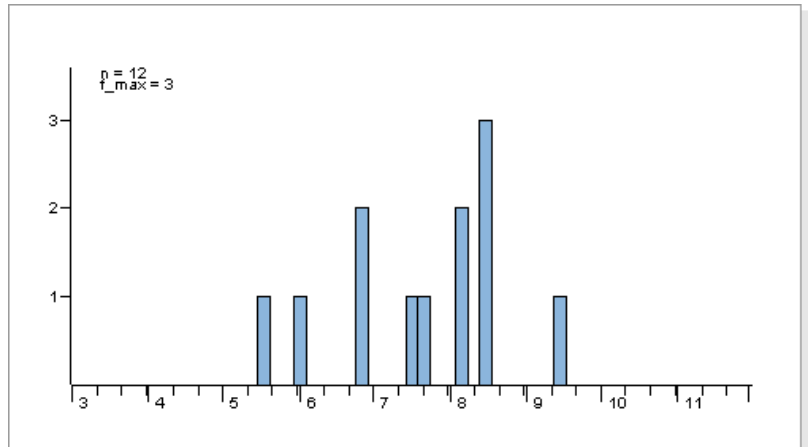
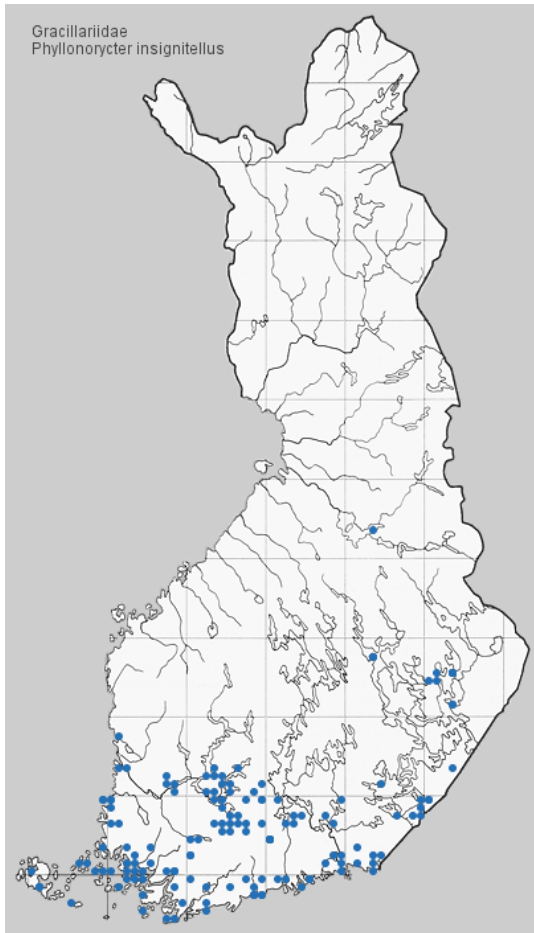


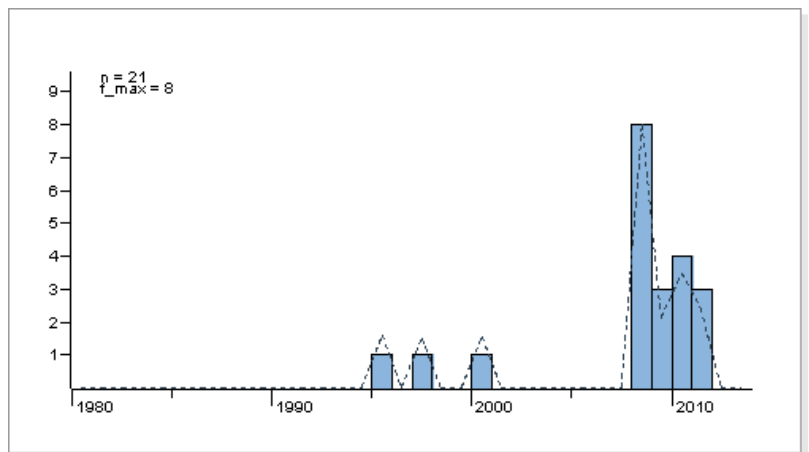
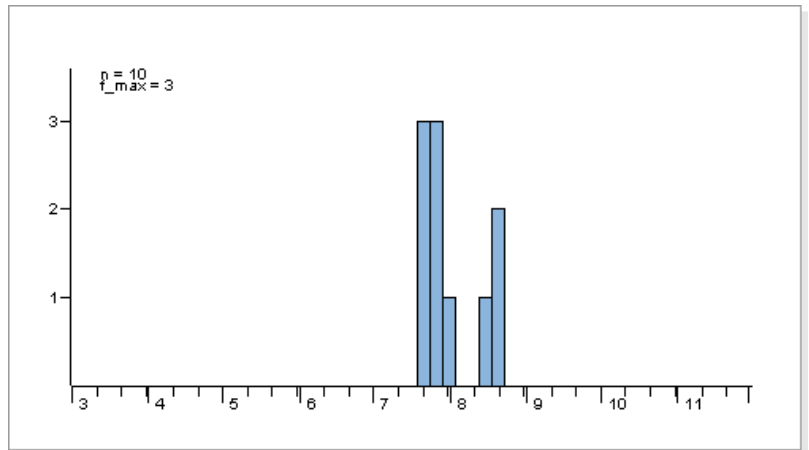
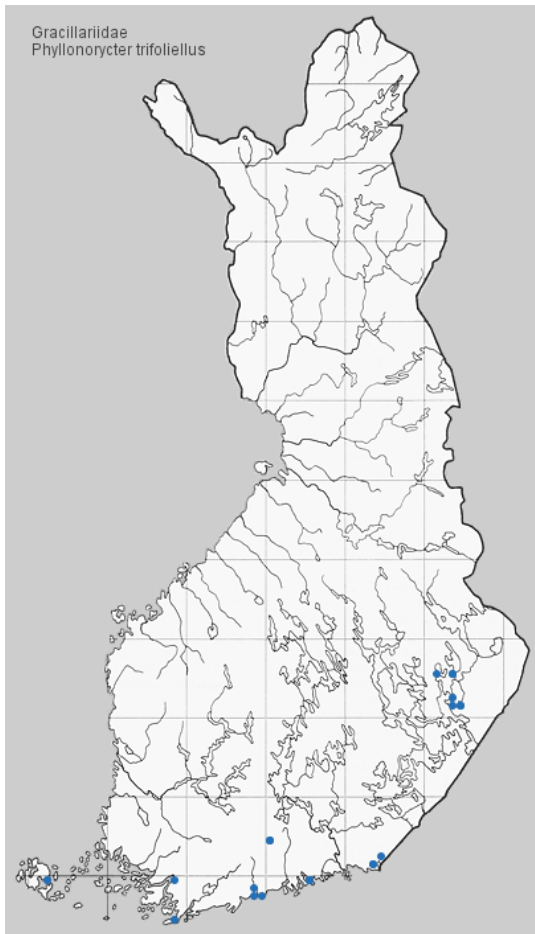
Kuva: J.Tyllinen

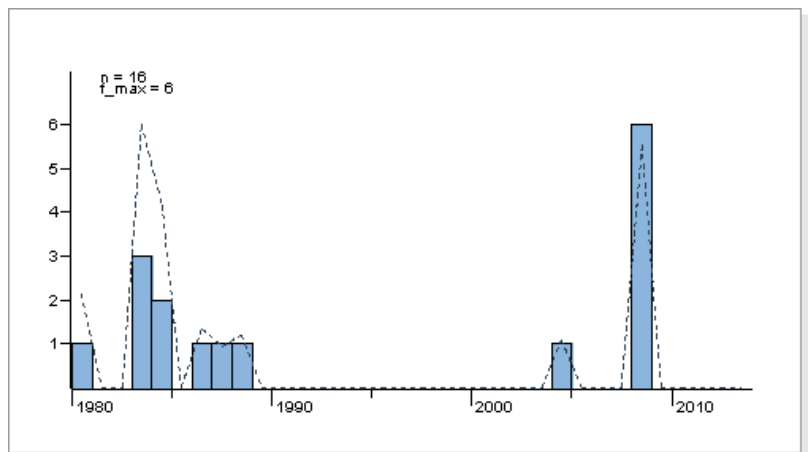
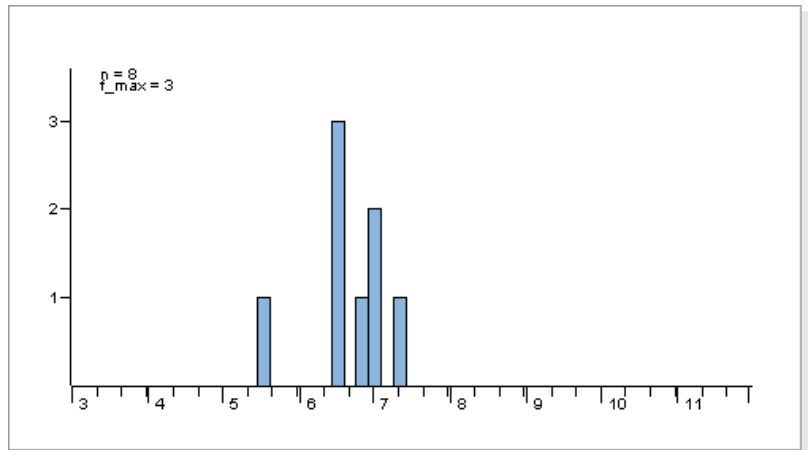
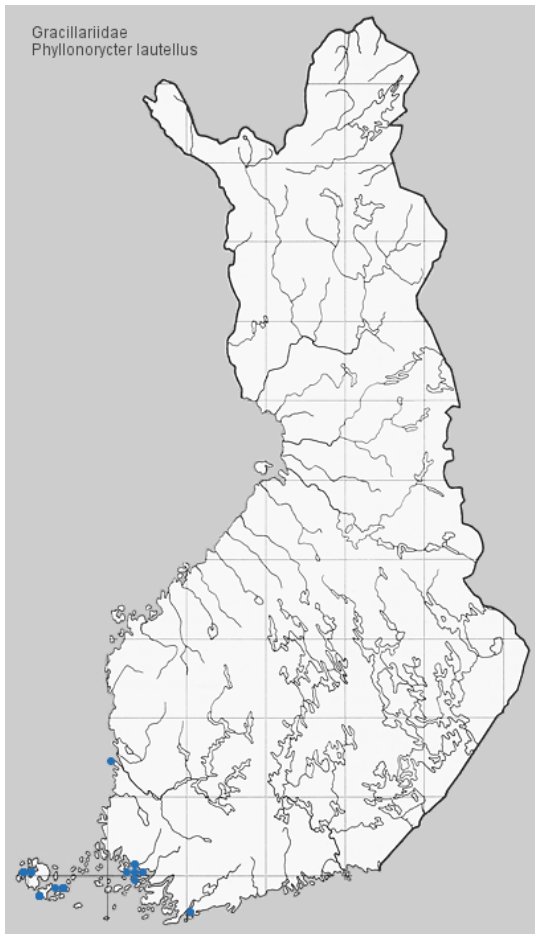




Kuva: J. Tyllinen



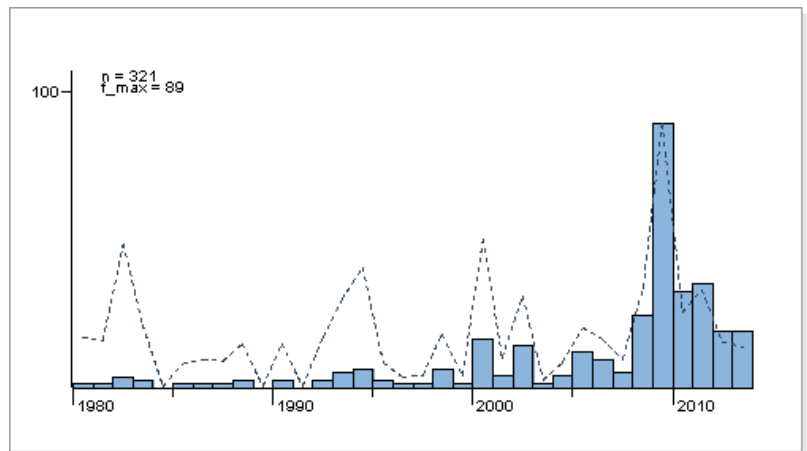
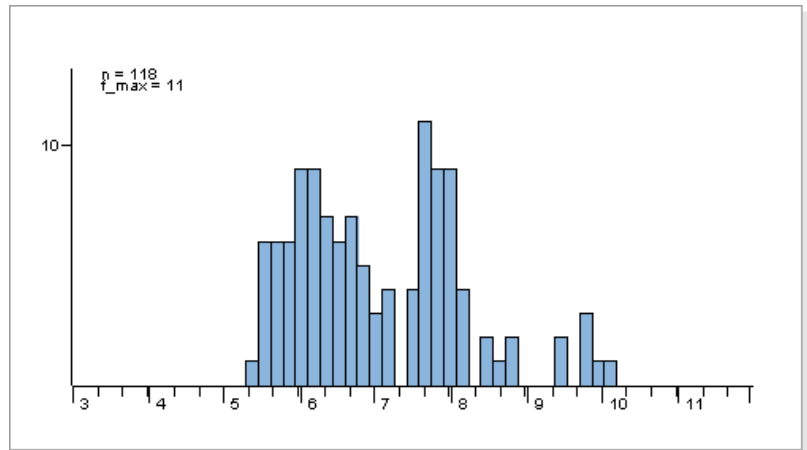
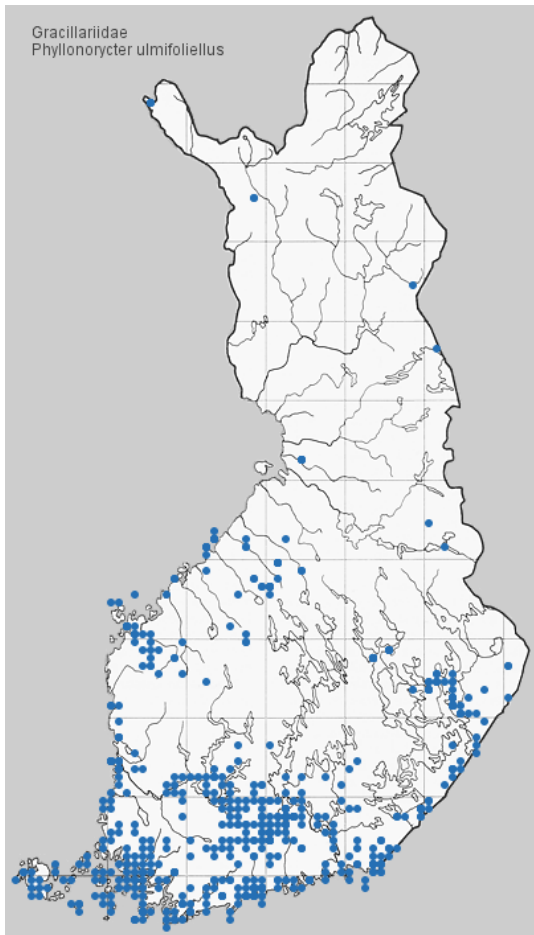






Kuva: R.Siloaho

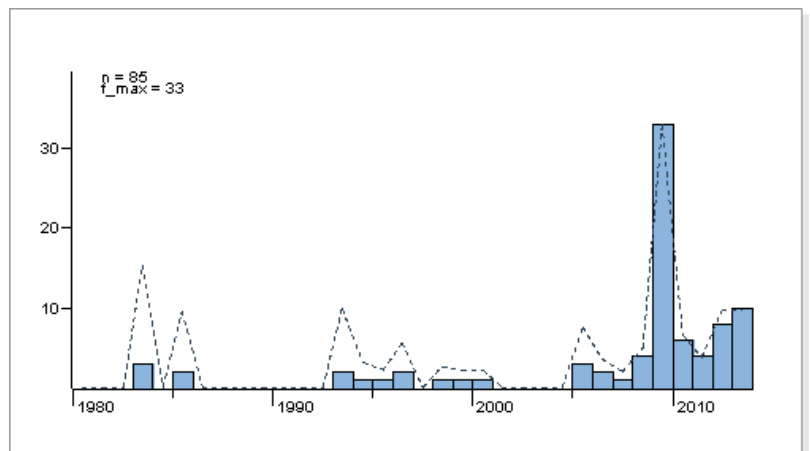
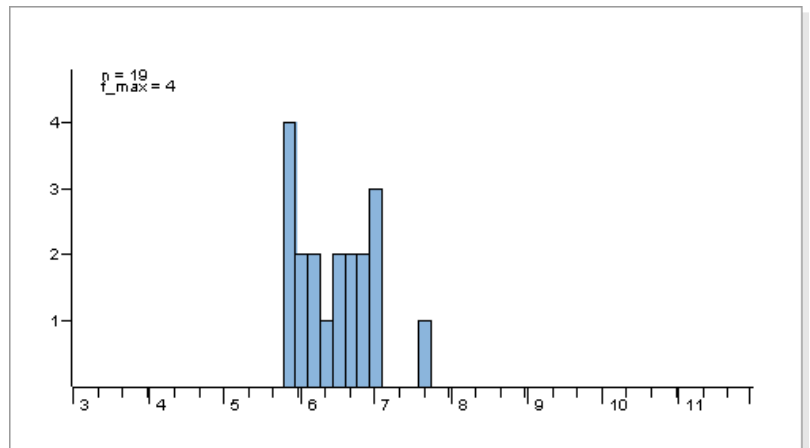
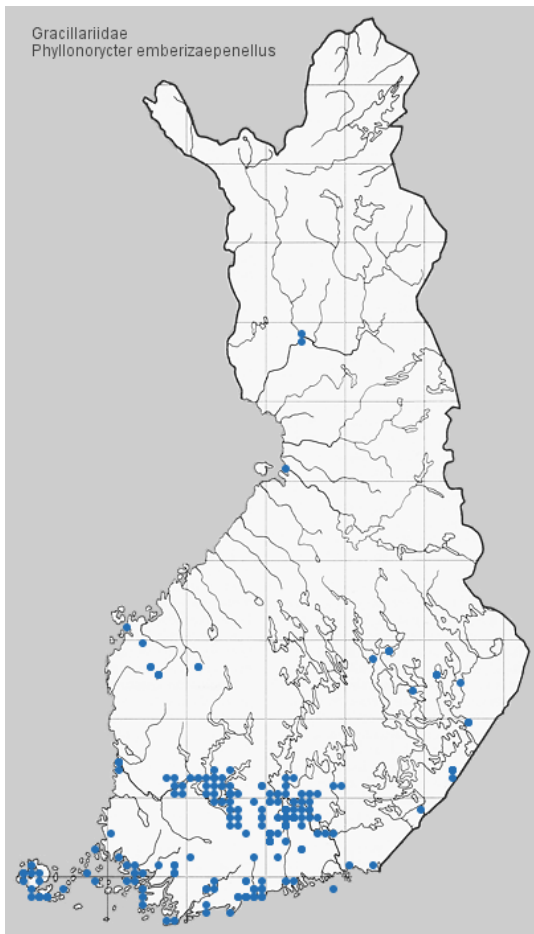
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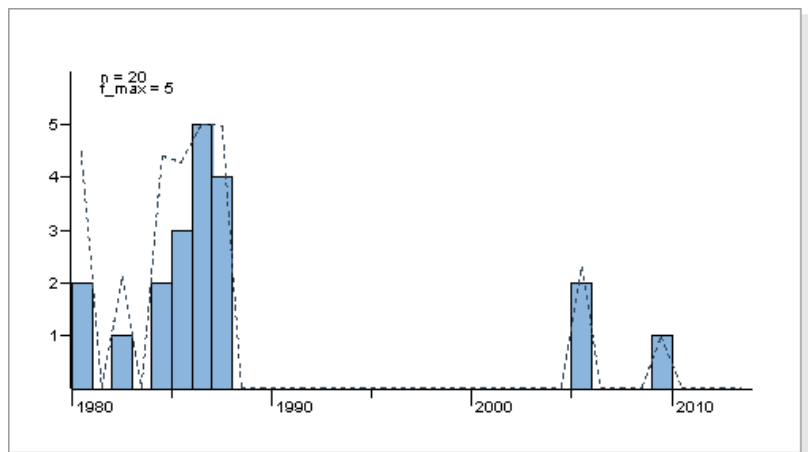
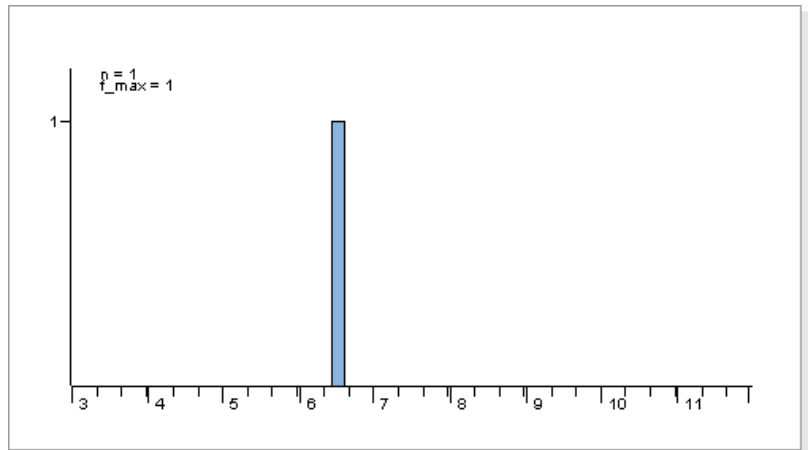
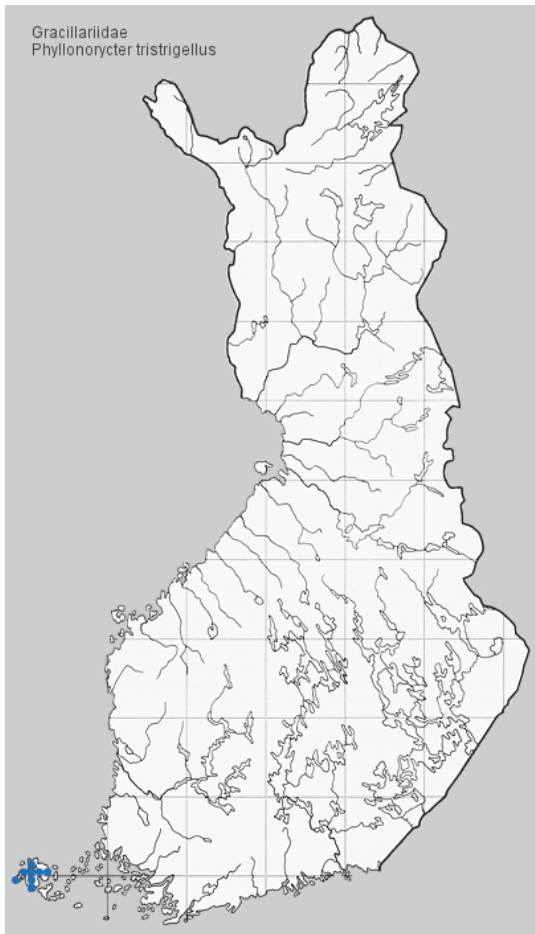




Kuva: Pekka Malinen

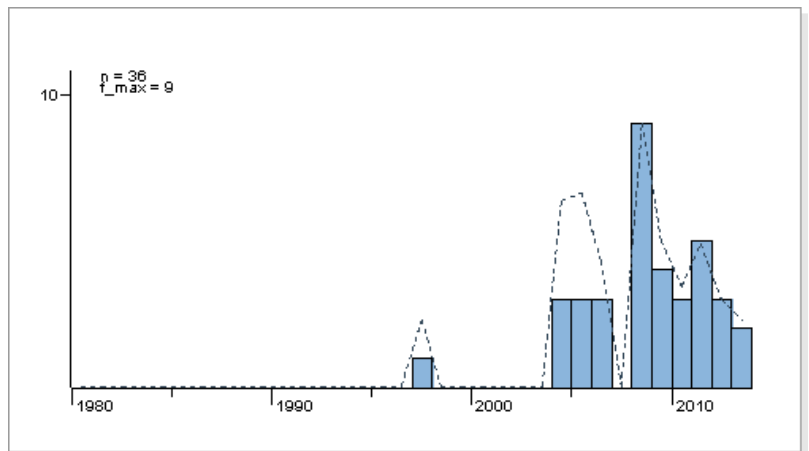
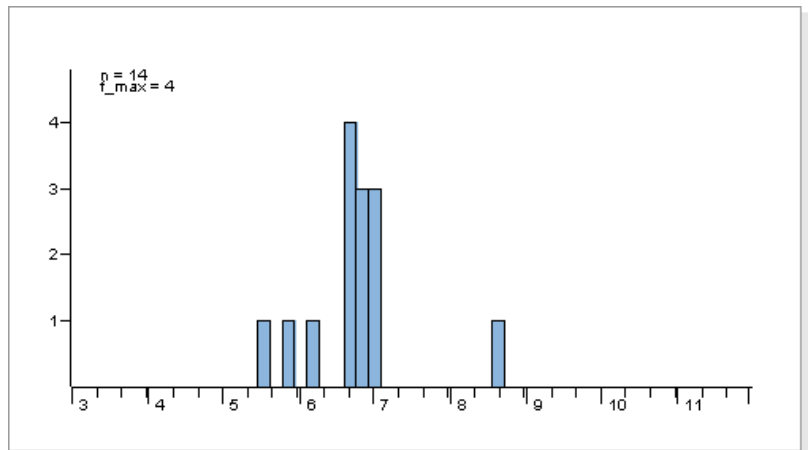
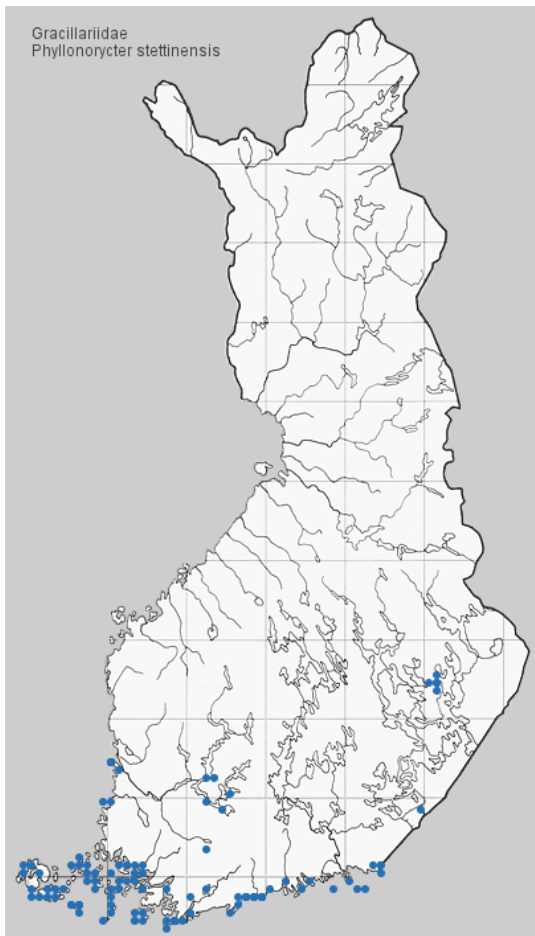
Kuva: Pekka Malinen







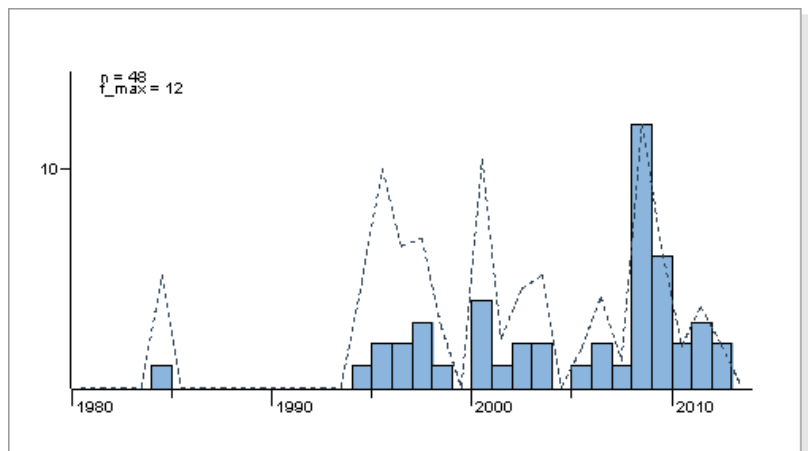
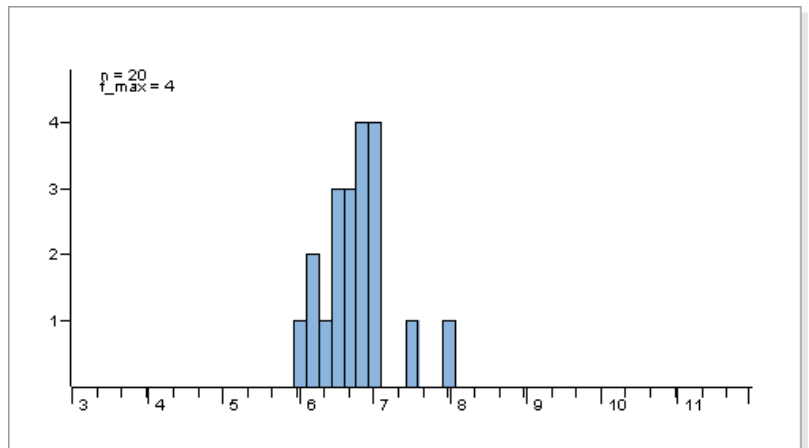
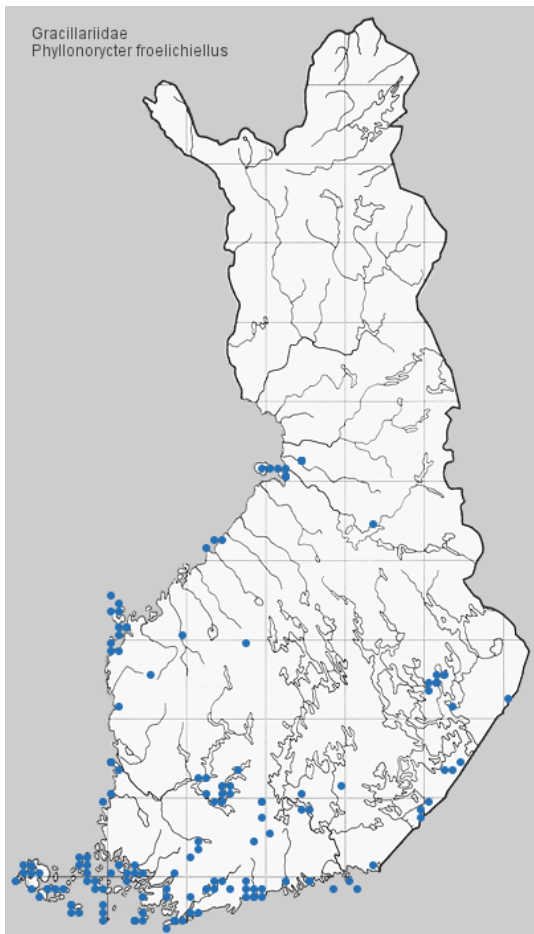
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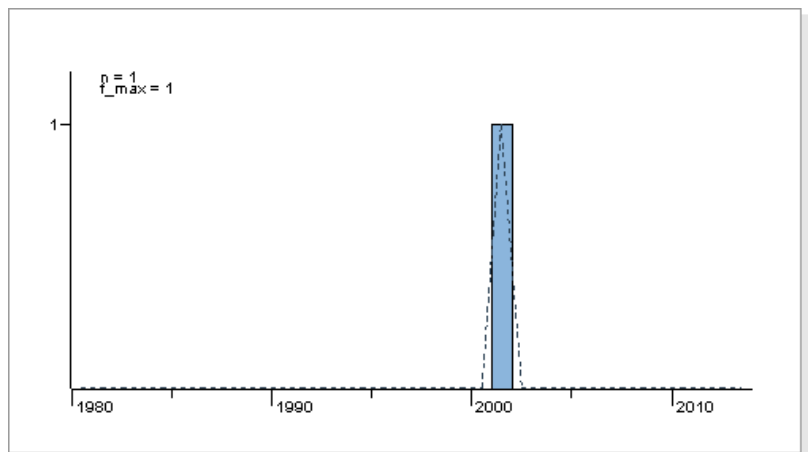
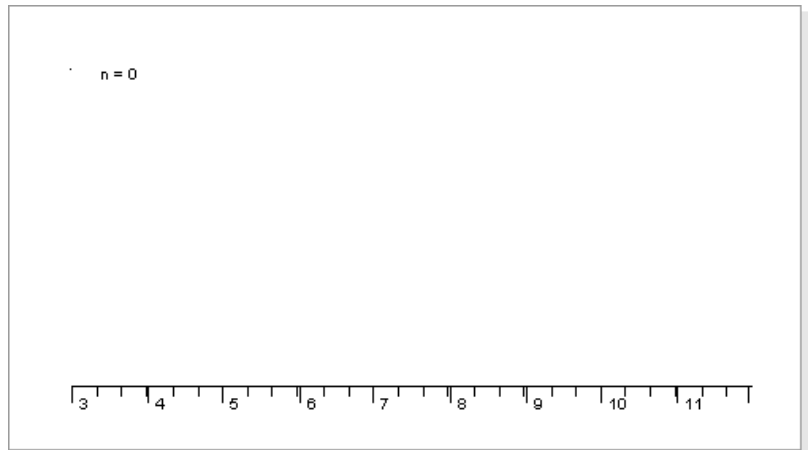
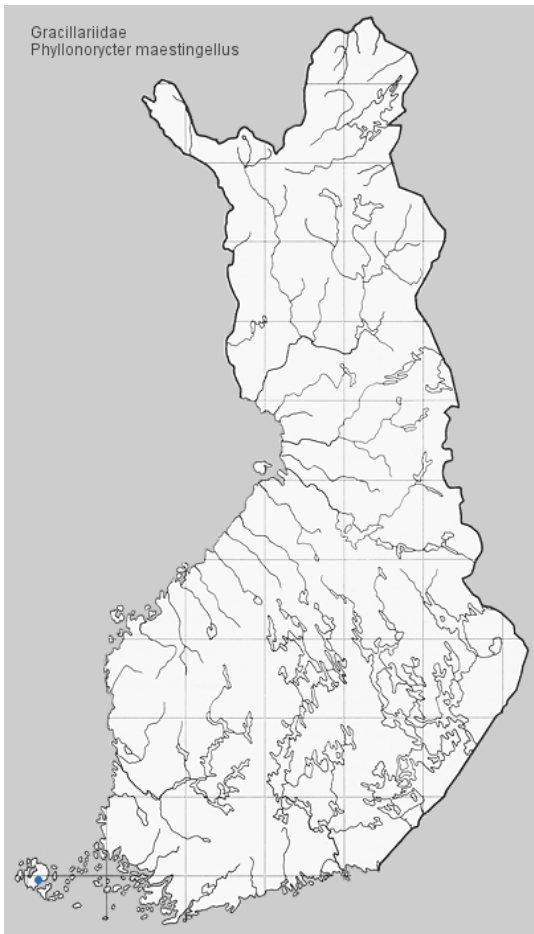






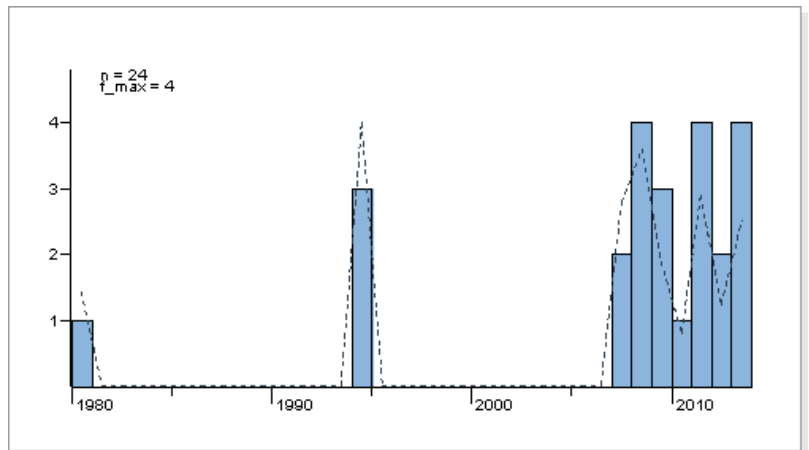
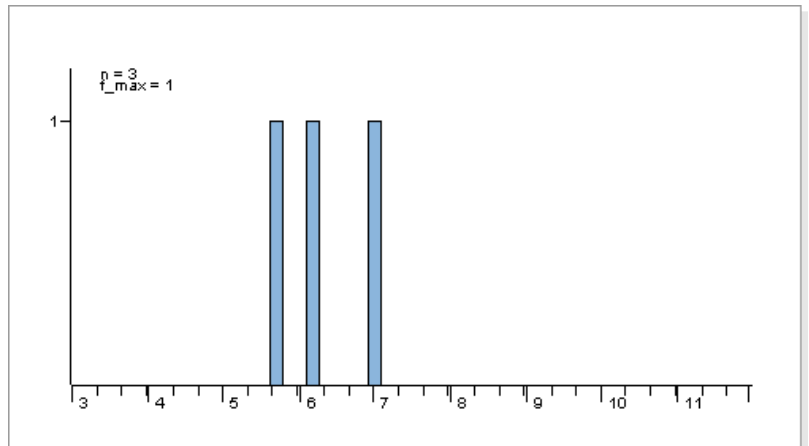
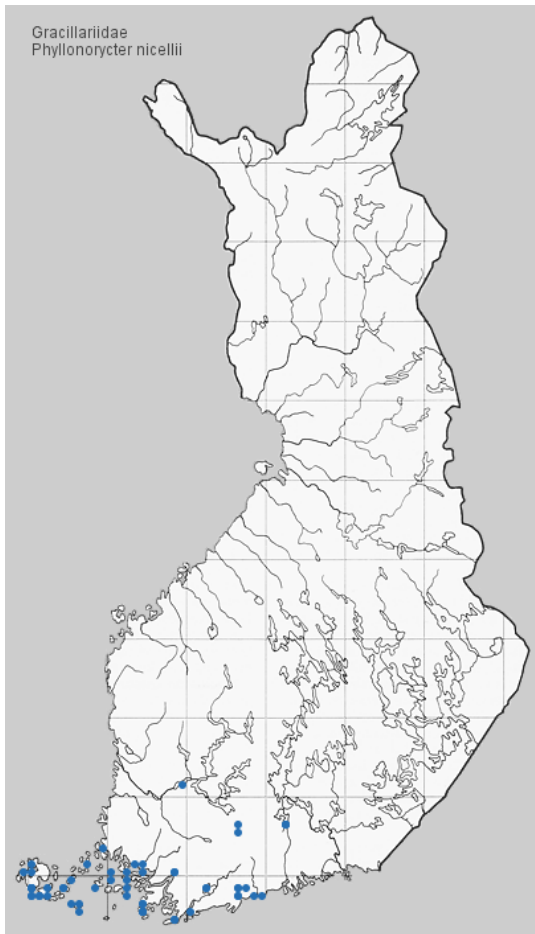
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Kuva: Pekka Malinen





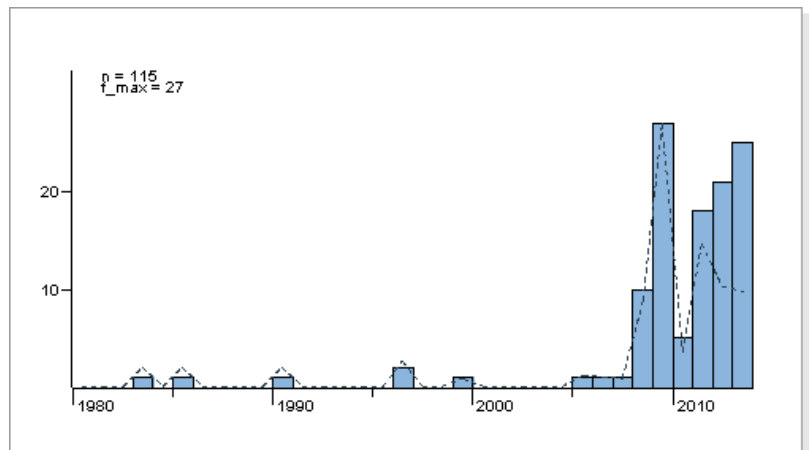
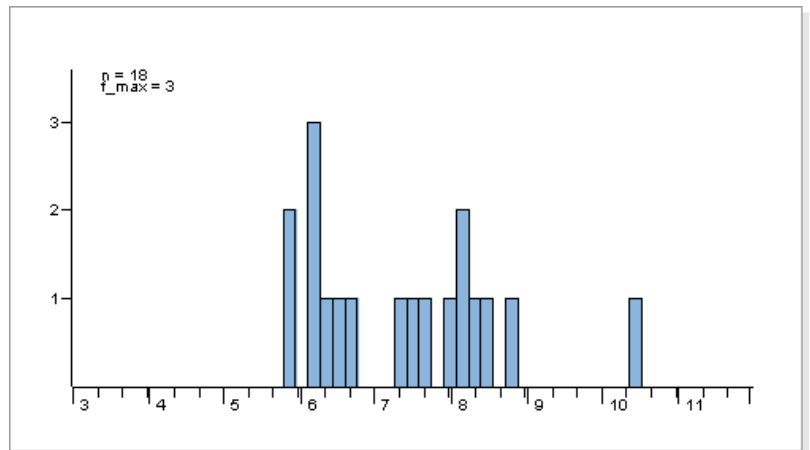
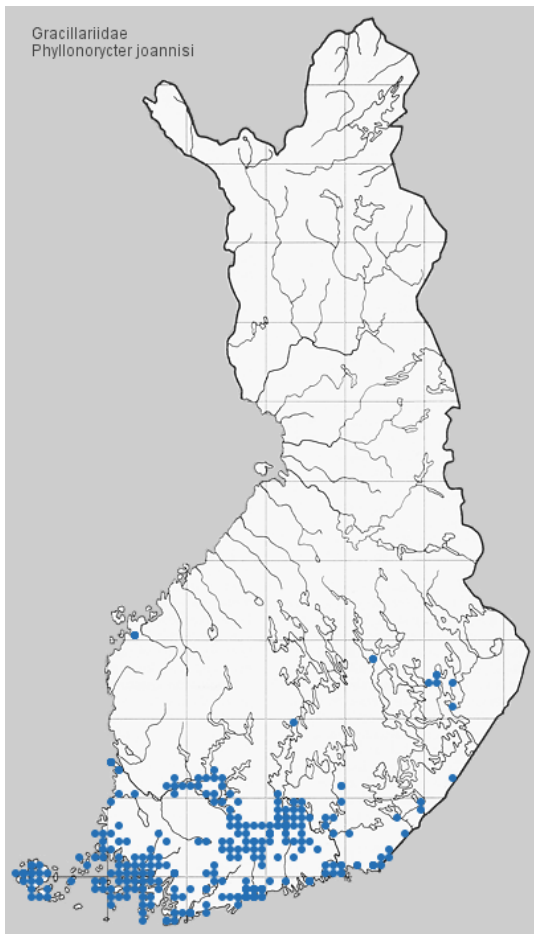
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Kuva: R.Siloaho



Kuva: SIP Haapala

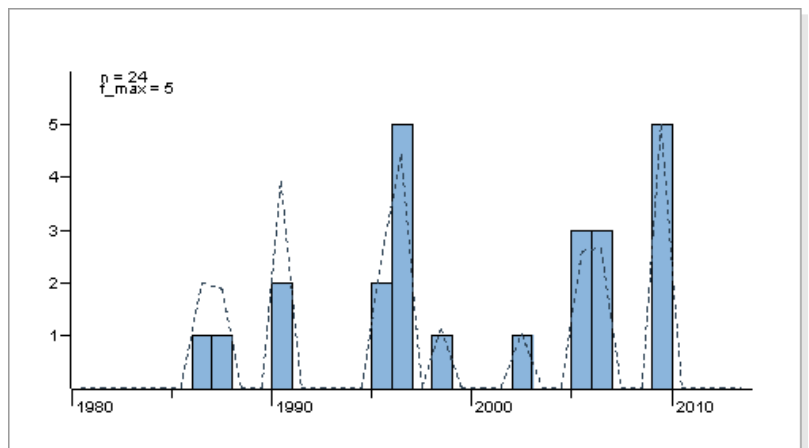
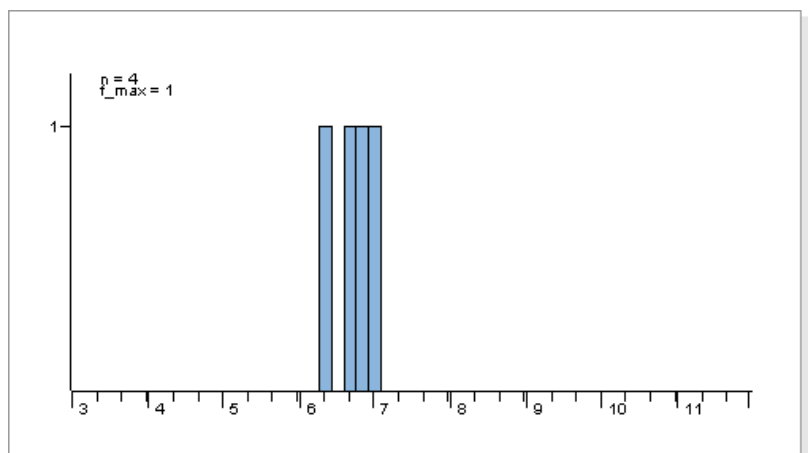
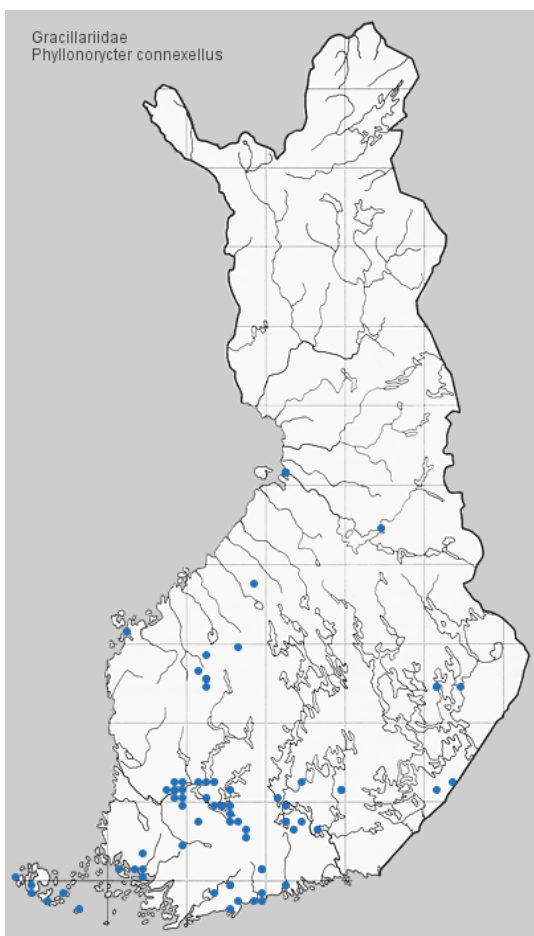




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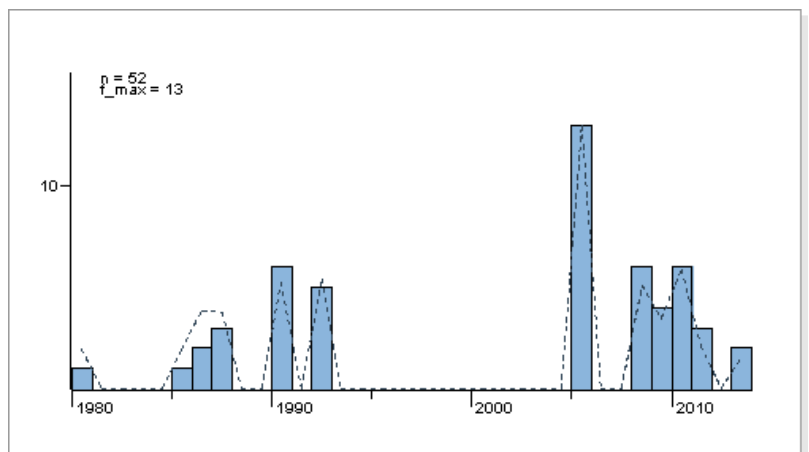
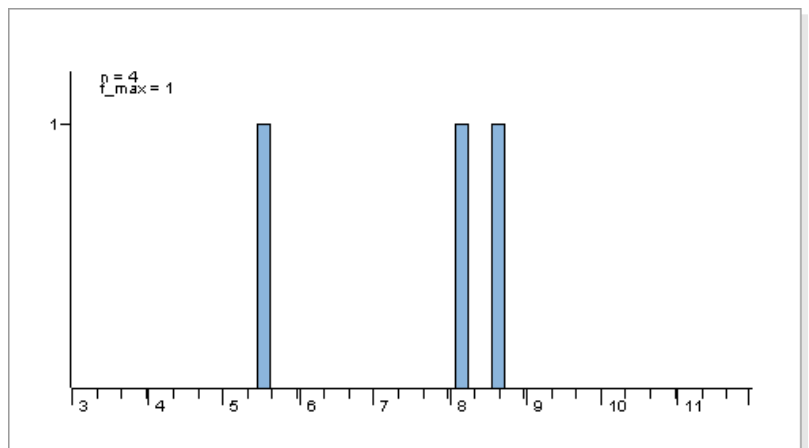
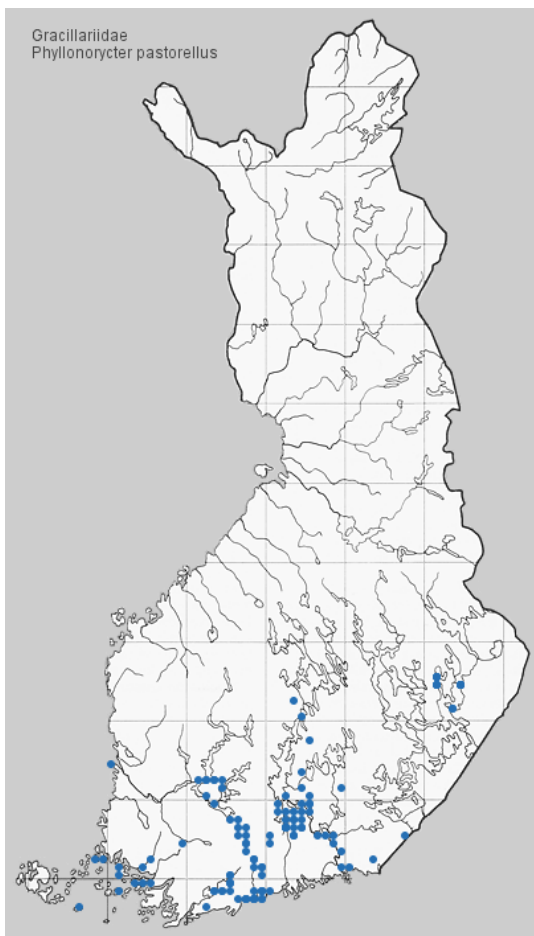


Kuva: Kimmo Lehtonen



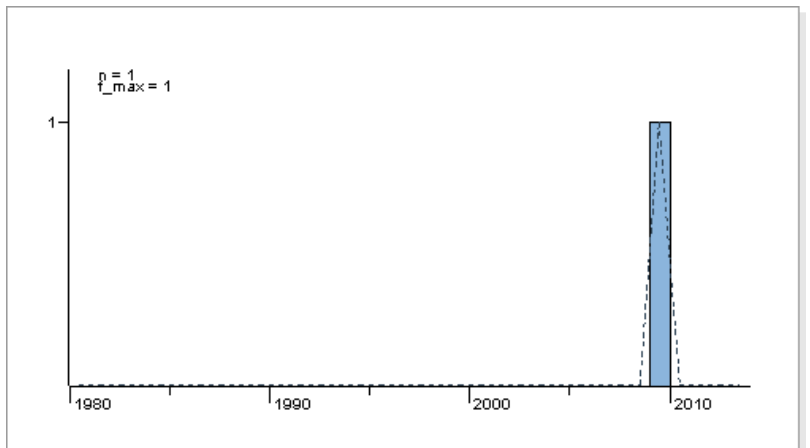
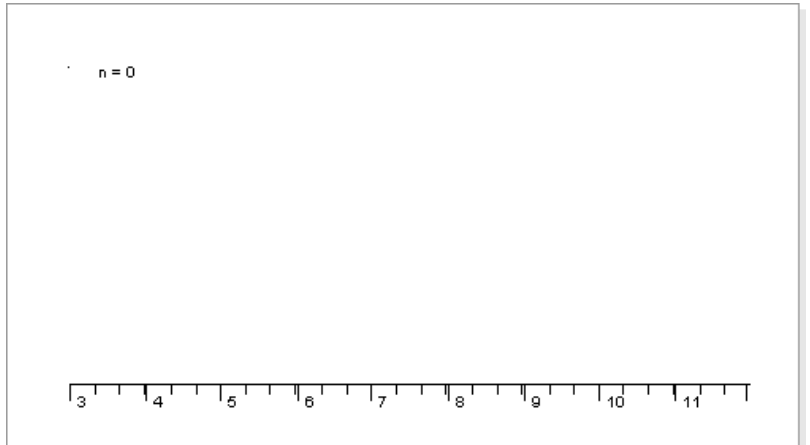
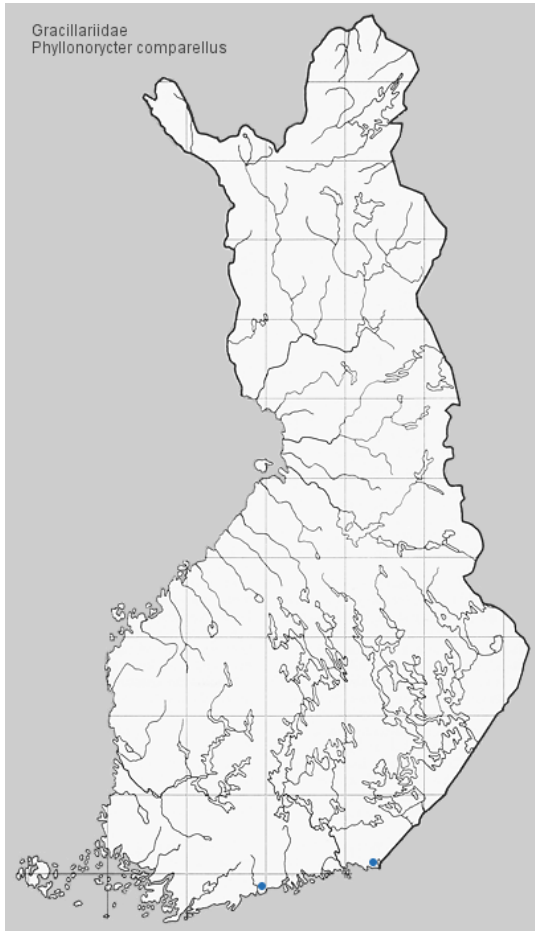


Kuva: R.Siloaho





Kuva: Pekka Malinen

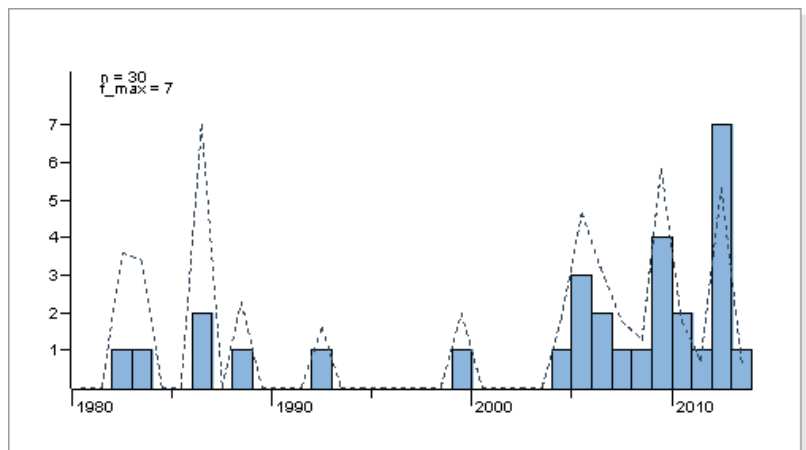
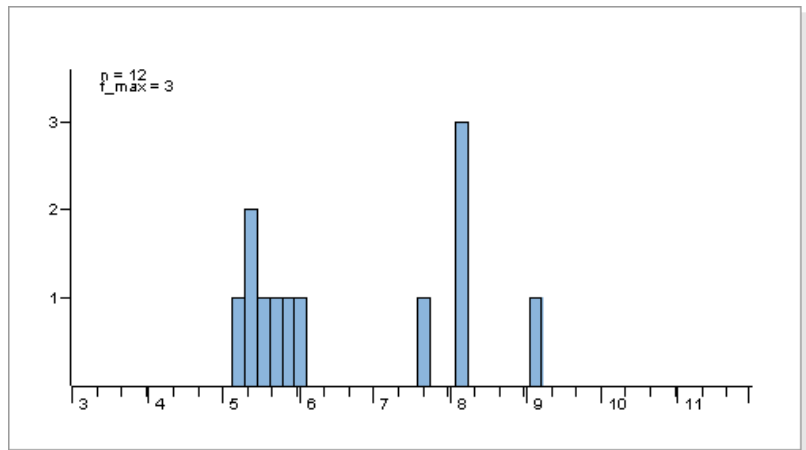
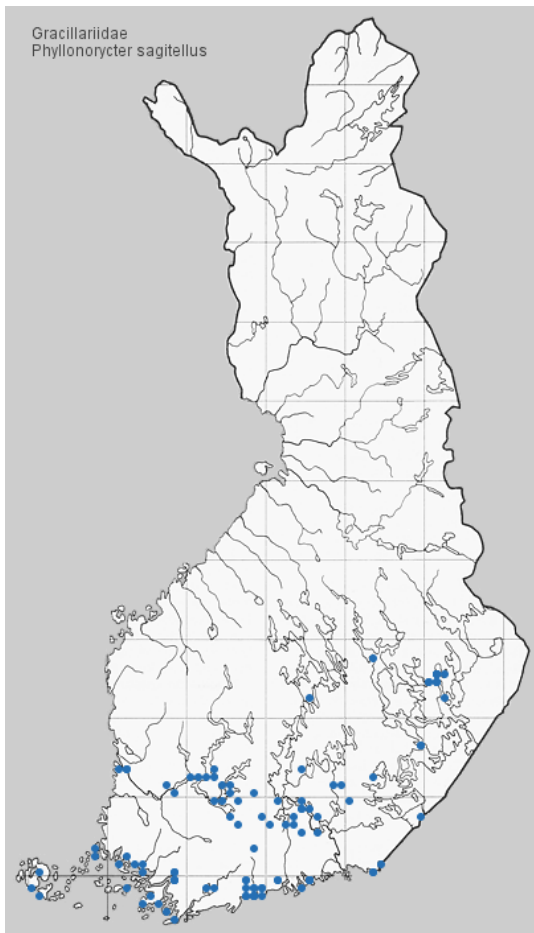






Kuva: R.Siloaho

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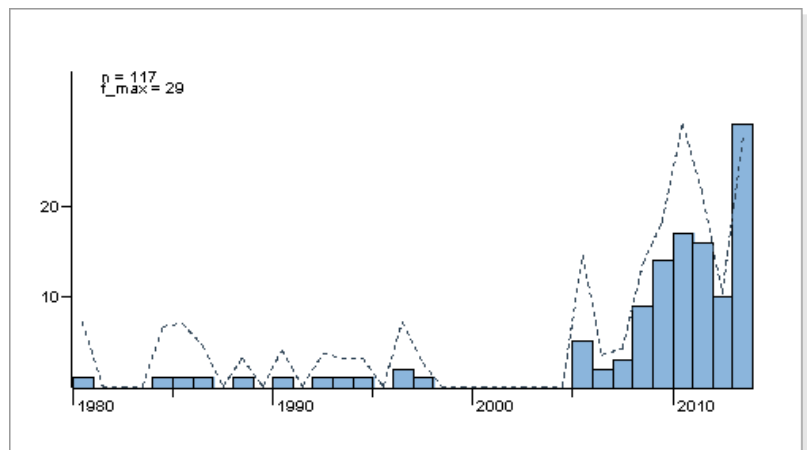
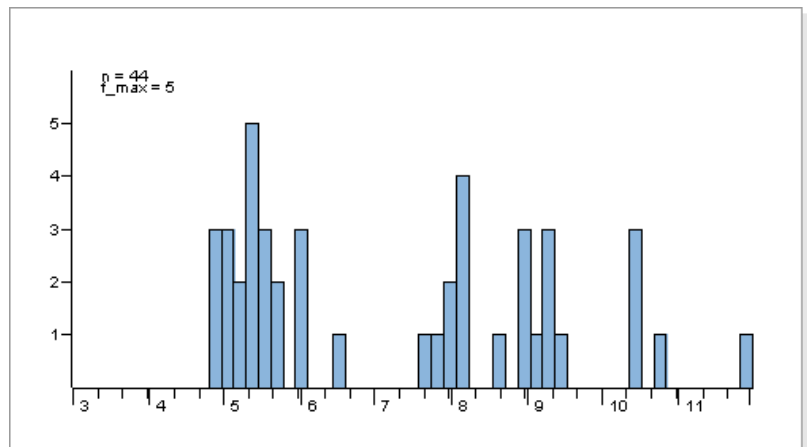
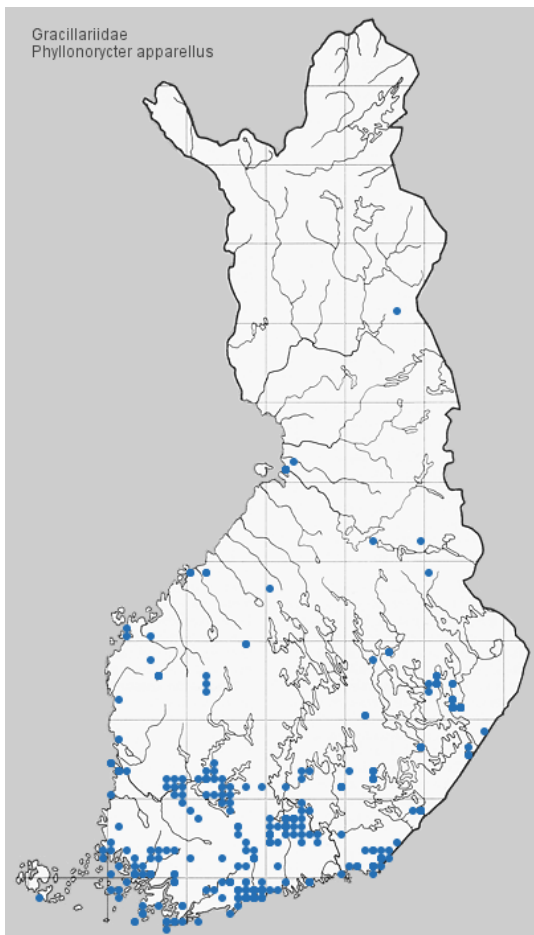




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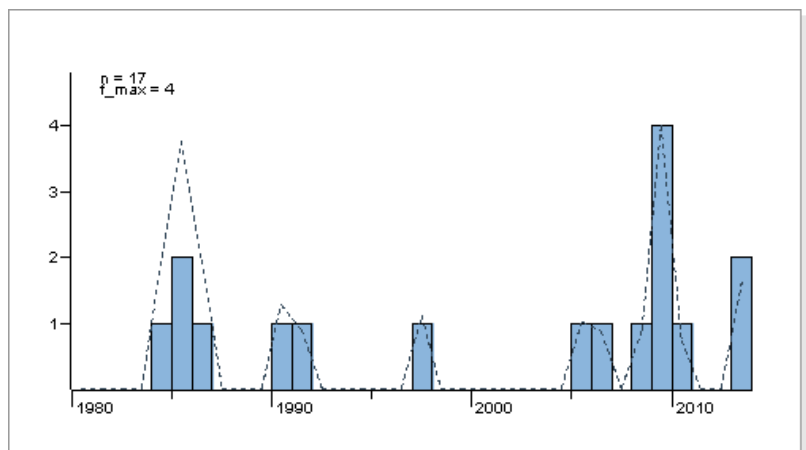
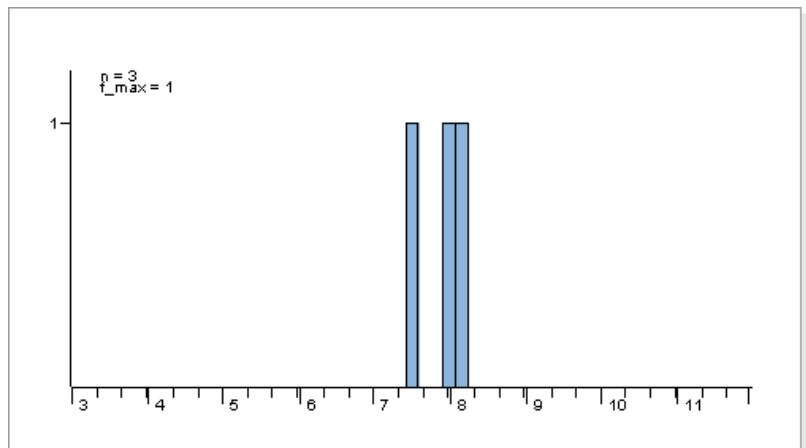
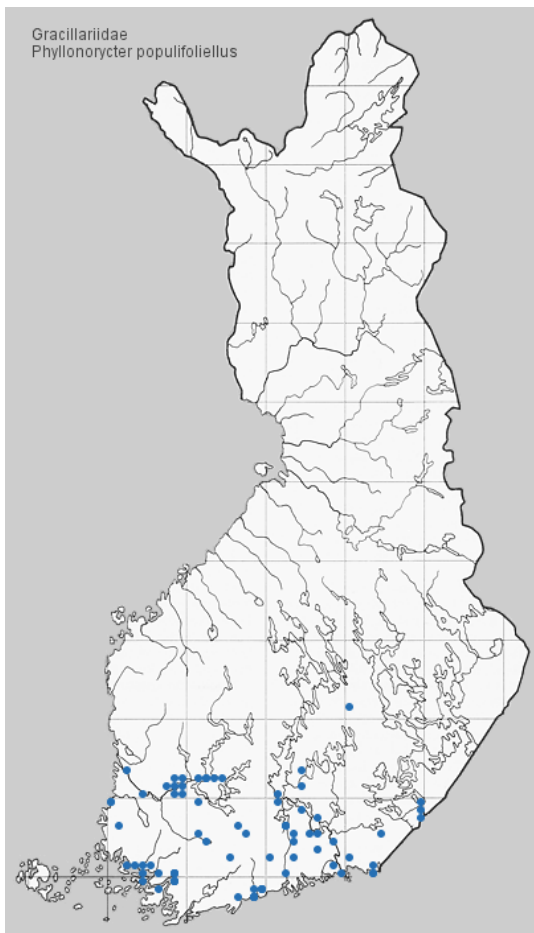
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Kuva: J. Tyllinen

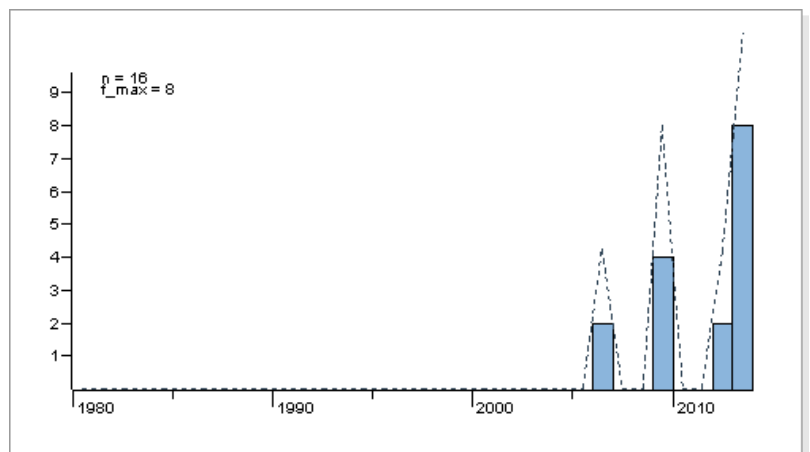
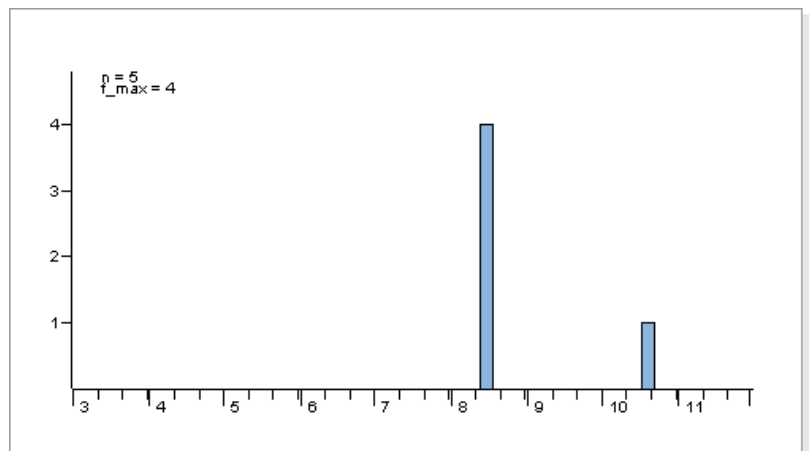
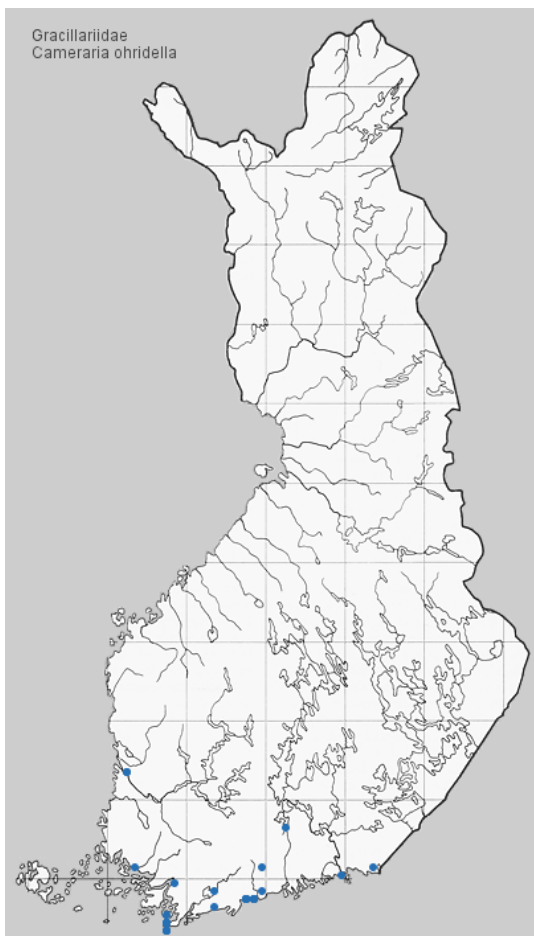
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Kuva: Pekka Malinen

Kuva: Pekka Malinen





Kuva: J. Tyllinen

Kuva: Lasse Aho

