# Notable records of leaf-mining moths in East Yorkshire, 2017 and 2018

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The historical scarcity of leaf-mining moth records in East Yorkshire (VC 61) (see Sutton & Beaumont, 1989) is gradually being addressed by an increase in recorder effort (e.g. Nunn, 2015, 2017; Nunn & Warrington, 2016). This article documents the most notable records from 2017 and 2018. The species codes in the systematic list follow Agassiz *et al.* (2013).

#### Nepticulidae

- **4.006** Stigmella sakhalinella. The second VC 61 record occurred on 23.x.2018, when Charles Fletcher, Ian Marshall and I found mines in Himalayan Birch *Betula jacquemontii* leaves near Sledmere. The first record was from North Cliffe Wood in 2014 (Beaumont *et al.*, 2015).
- **4.009** Stigmella alnetella. The second VC 61 record occurred on 31.x.2018, when I found tenanted mines in Common Alder Alnus glutinosa leaves in North Cliffe Wood. The first record was from Howsham in 2016 (Beaumont *et al.*, 2017). The status of this species in Yorkshire is unclear owing to confusion with Stigmella glutinosae in the past, but it is likely more common and widespread than records suggest (Nunn, 2017).
- **4.014** Stigmella catharticella. The second and third VC 61 records occurred on 28.ix.2017 and 27.x.2017, respectively, when I found mines in Purging Buckthorn Rhamnus cathartica leaves at North Cave Wetlands and near Walkington. The first record was from North Cave Wetlands in 2015 (Beaumont *et al.*, 2016).
- **4.022** Stigmella regiella. The first VC 61 record occurred on 20.x.2017, when I found a mine (Plate 1a) in a Common Hawthorn *Crataegus monogyna* leaf in Walkington (Beaumont *et al.*, 2018), and the second occurred on 23.x.2018, when Charles Fletcher, Ian Marshall and I found mines near Sledmere. The first Yorkshire (VCs 61–65) record was from VC 62 in 1868 (Box, 2019).
- **4.040** Stigmella assimilella. The second VC 61 record occurred on 14.ix.2017, when I found mines in Aspen *Populus tremula* leaves in Hull. The first record was from Allerthorpe Common in 2013 (Frost, 2014).
- **4.058** Stigmella basiguttella. The fifth VC 61 record occurred on 09.xi.2017, when I found mines in Pedunculate Oak Quercus robor leaves at Allerthorpe Common, and the sixth, seventh, eighth and ninth were from Houghton Moor (03.ix.2018), North Cliffe Wood (31.x.2018), Cottingham (10.xi.2018) and Beverley Westwood (13.xi.2018). The previous records were from Allerthorpe Common in 2013 (Frost, op. cit.), Scampston Hall in 2015 and North Cliffe Wood in 2016.
- **4.061** Stigmella atricapitella. The sixth, seventh and eighth VC 61 records occurred on 20.x.2017, 10.xi.2018 and 13.xi.2018, respectively, when I found mines in Pedunculate Oak leaves in Walkington, Cottingham and Beverley Westwood. The previous records were from Hessle and Cottingham in 2015 (Beaumont *et al.*, 2016), and Howsham, Risby and North Cliffe Wood in 2016. Identification issues in the past mean that the status of this species in Yorkshire is unclear, but it is likely more common and widespread than records suggest (Nunn & Warrington, *op. cit.*).

- **4.062** Stigmella samiatella. The second VC 61 record occurred on 29.x.2018, when I found mines in Sweet Chestnut Castanea sativa leaves in Hessle. The previous record was from Hessle in 2015 (Beaumont et al., 2016). Identification issues mean that the status of this species in Yorkshire is unclear, but it is likely more common and widespread than records suggest (Nunn & Warrington, op. cit.).
- **4.074** *Ectoedemia sericopeza*. The first VC 61 record occurred on 06.vii.2018, when I found mines in Norway Maple *Acer platanoides* samaras in Hull. I subsequently caught an adult female at light in Skidby on 02.ix.2018, which Charles Fletcher dissected to confirm the identity. The first Yorkshire record was from VC 63 in 2017 (Beaumont *et al.*, 2018).
- **4.075** Ectoedemia louisella. The second VC 61 record occurred on 07.vii.2017, when I found mines in Field Maple Acer campestre samaras in Little Weighton, the same location as the first record (in 2016; Beaumont et al., 2017).
- **4.082** Ectoedemia intimella. The third and fourth VC 61 records occurred on 09.xi.2017 and 31.x.2018, respectively, when I found mines in Common Sallow Salix cinerea leaves at Allerthorpe Common and Houghton Moor. The previous records were from Broomfleet in 2014 (Beaumont *et al.*, 2015) and 2016.
- **4.085** *Ectoedemia argyropeza*. The sixth and seventh VC 61 records occurred on 12.x.2017 and 31.x.2018, respectively, when I found mines in Aspen leaves in North Cliffe Wood. The previous records were from Newport in 2013 (Frost, *op. cit.*) and 2014, Melbourne in 2013, and Eastrington Ponds and North Cliffe Wood in 2016.
- **4.100** Ectoedemia minimella. The third VC 61 record occurred on 18.x.2017, when Charles Fletcher, lan Marshall and I found mines in Silver Birch Betula pendula leaves in Sherburn, and the fourth, fifth and sixth were from Allerthorpe Common (09.xi.2017), Kirby Grindalythe (23.x.2018) and Houghton Moor (31.x.2018). The previous records were from North Cliffe Wood in 2014 (Beaumont et al., 2015).

### Heliozelidae

**6.003** Heliozela sericiella. The fourth VC 61 record occurred on 06.ix.2017, when I found mines (Plate 1b) in Pedunculate Oak leaves in North Cliffe Wood, and the fifth, sixth, seventh and eighth were from North Cliffe Wood (03.ix.2018), Houghton Moor (31.x.2018), Risby (13.xi.2018) and Beverley Westwood (13.xi.2018). The previous records were from Holme-on-Spalding-Moor in 1992 (Box, op. cit.), Cottingham in 2015 and North Cliffe Wood in 2016.

**6.004** Heliozela resplendella. The fifth VC 61 record occurred on 06.ix.2017, when I found a mine in a Common Alder leaf at North Cave Wetlands. The previous records were from North Cliffe Wood in 2014 (Beaumont *et al.*, 2015) and 2015, Hull in 2015 and Cottingham in 2016.

#### **Bucculatricidae**

**14.013** Bucculatrix demaryella. The fifth VC 61 record occurred on 18.x.2017, when Charles Fletcher, lan Marshall and I found mines in Silver Birch leaves in Sherburn, and the sixth and seventh occurred at Allerthorpe Common (09.xi.2017) and Houghton Moor (31.x.2018). The previous records were from Allerthorpe Common in 2013 (Frost, op. cit.) and North Cliffe Wood in 2014 and 2016.

### Gracillariidae

**15.036** *Phyllonorycter heegeriella*. The second and third VC 61 records were confirmed on 27.iii.2017 and 07.iv.2018, respectively, when I reared adults from mines in Pedunculate Oak leaves collected

from North Cliffe Wood on 08.xi.2016 and Allerthorpe Common on 09.xi.2017. The first record was from Skipwith Common in 1984 (Sutton & Beaumont, op. cit.).

- **15.037** *Phyllonorycter tenerella*. The first Yorkshire record was confirmed on 02.iv.2017, when I reared an adult from a mine in a Hornbeam *Carpinus betulus* leaf collected from near Market Weighton on 01.xii.2016 (Beaumont *et al.*, 2018).
- **15.050** *Phyllonorycter cerasicolella*. The third VC 61 record occurred on 14.ix.2017, when I found mines in Wild Cherry *Prunus avium* leaves in Hull, and the fifth was from Allerthorpe Common on 09.xi.2017. The previous records were from York in 2006 (Box, *op. cit.*) and Hessle in 2016, with the fourth from Reighton Gap in 2017.
- **15.051** *Phyllonorycter lantanella*. The first VC 61 record occurred on 31.x.2018, when I found mines in Wayfaring Tree *Viburnum lantana* leaves in North Cliffe, and the second was from Cottingham on 12.xi.2018. The first Yorkshire record was from VC 63 in 2015 (Beaumont *et al.*, 2016).
- **15.073** *Phyllonorycter lautella*. The third, fourth and fifth VC 61 records were confirmed on 31.iii.2017, 01.iv.2018 and 11.iv.2018, respectively, when I reared adults (Plate 1c) from mines in Pedunculate Oak leaves collected from North Cliffe Wood on 08.xi.2016 and 10.x.2017, and Allerthorpe Common on 09.xi.2017. The previous records were from Skipwith Common in 1995 (Beaumont, 2002) and Allerthorpe Common in 2013.
- **15.080** *Phyllonorycter froelichiella*. The sixth VC 61 record was confirmed on 13.iv.2018, when I reared adults from mines in Common Alder leaves collected from Cottingham on 15.ix.2017. The previous records were from Stamford Bridge in 1990 (Beaumont, *op. cit.*), Bubwith in 1995, Allerthorpe Common in 2013, Hessle in 2015 and Howden Marsh in 2016.
- **15.0931** *Phyllocnistis citrella*. The first Yorkshire record occurred on 23.ix.2018, when I found mines (Plate 1d) in lemon *Citrus* sp. leaves at a garden centre in Woodmansey, and the second occurred at the same location on 08.xii.2018, when I found mines on a different plant. The stated origin of both plants was the Netherlands. The species was added to the UK list in 2012 (Homan, 2012).

### Bedelliidae

**24.001** Bedellia somnulentella. The fourth VC 61 record occurred on 18.x.2017, when Charles Fletcher, lan Marshall and I found mines in bindweed *Calystegia* sp. leaves in Sherburn, and the sixth was in Brantingham on 30.x.2017. The previous records were from Hull in 2014 (Beaumont *et al.*, 2015) and Brantingham in 2016, with the fifth from Reighton Gap in 2017.

#### Coleophoridae

- **37.026** *Coleophora violacea*. The third and fourth VC 61 records occurred on 15.vi.2017 and 30.vii.2017, respectively, when I found larval cases on Silver Birch leaves in North Cliffe Wood, the same location as the previous records (in 2014 and 2016; Beaumont *et al.*, 2015).
- **37.029** Coleophora orbitella. The second VC 61 record occurred on 31.x.2018, when I found a larval case on a Silver Birch leaf at Houghton Moor. The first record was from North Cliffe Wood in 2014 (Beaumont *et al.*, 2015).
- **37.052** Coleophora ibipennella. The second VC 61 record occurred on 01.v.2017, when I found a larval case on a Pedunculate Oak in North Cliffe Wood, the same location as the first record (in 2015; Beaumont *et al.*, 2016).

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# **Plate legend**

Plate 1. Four species of leaf-mining moth recorded in East Yorkshire (VC 61) in 2017 or 2018: (a) Stigmella regiella mine on Common Hawthorn Crataegus monogyna, (b) Heliozela sericiella mine on Pedunculate Oak Quercus robor, (c) Phyllonorycter lautella ex larva on Pedunculate Oak, (d) Phyllocnistis citrella mine on lemon Citrus sp. Images: Andy D. Nunn.