**Landcare Research Plant-SyNZ Fungus and Invertebrate Recording Form**

**Harareke/Lowland flax – *Phormium tenax***

(Hemerocallidaceae) (Angiosperm - monocotyledon: Day lily family).

# Present on dead leaves and flower/seed stalks

**Biostatus**: endemic.

Plant species code: 442

**Habitat being surveyed**

**Locality**

**Names of surveyors**

**Date of survey** **Plot number** [ ] **STUDENT LEVEL**

[tick if present ]

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 37 F | [ ] | *Gloiocephala phormiorum* E. Horak & Desjardin (Basidiomycota: Agaricomycetes: Agaricales: Physalacriaceae) Flax small white cap & stalk fungus. Biostatus: endemic | Fungus, small white delicate cap with long, thin, white hairy stalk, gills. On dead leaves in winter. Dead Phormium leaves difficult to cut. | s | e |
| 52 F | [ ] | *Marasmiellus bonii* Segedin (Basidiomycota: Agaricomycetes: Agaricales: Omphalotaceae) Flax small white-cap dark-stalk fungus. Biostatus: endemic | Fungus, small white delicate cap with long, thin, dark stalk, gills. On dead leaves in winter. Dead Phormium leaves break easily. | s | e |
| 53 F | [ ] | *Phormium large white cap white gills sp. 'tenax'* (Fungi: Agaricomycetes: Agricales) White cap with stalk. Biostatus: unknown | Fungus, white cap with white gills, on short stout stalk, usually in groups on dead leaves. Present in winter. Organism awaiting identification. | s | u |
| 54 F | [ ] | *Macrotyphula defibulata* R.H. Petersen (Basidiomycota: Agaricomycetes: Agaricales: Typhulaceae) Long rod fungus. Biostatus: endemic | Fugus, long thin fruiting bodies coming from wet, dead leaves. More than 20 mm long. Present in winter. | s | e |
| 60 F | [ ] | *Resupinatus sp.* (Basidiomycota: Agaricomycetes: Agaricales: Pleurotaceae) Grey stalkless fungus. Biostatus: unknown | Fugus, grey hemisphere with gills but no stalk, lives on dead stems and leaves. Present in winter. | s | u |
| 79 F | [ ] | *Coprinopsis sp.* (Basidiomycota: Agaricomycetes: Agaricales: Psyathyrellaceae) White mealy cap fungus. Biostatus: unknown | Fungus, large white cap, mealy on top, tall thick stalk, black gills; on dead Phormium leaves, usually only open for one night. Present in winter. | s | u |
| 88 F | [ ] | *Lycogala epidendrum* (L.) Fr. (Amoebozoa: Mycetozoa: Liceida: Tubeiferaceae) Dead leaf orange bobbles. Biostatus: indigenous, non-endemic | Slime mould forming hard orange bobbles with varied rounded shapes and powdery interior; immature bobbles white. Present in winter. | s | n |
| 103 F | [ ] | *Phormium stem bird claw scratches sp. 'tenax'* Flax stem bird scratches. Biostatus: unknown | Birds, on live and dead flower stalks; scatches from bird claws on green stems resulting in pale raised elliptical shapes and pale irregular grooves in dead stems. | s | u |
| 124 F | [ ] | *Macrotyphula sp.* (Basidiomycota: Agaricomycetes: Agaricales: Typhulaceae) Small long rod fungus. Biostatus: unknown | Fugus, long thin fruiting bodies coming from wet, dead leaves. Less than 20 mm long. Present in winter. | s | u |
| 125 F | [ ] | *Phormium large brown cap brown gills sp. 'tenax'* (Basidiomycota: Agaricomycetes: Agricales) Brown cap with stalk. Biostatus: unknown | Fungus, brown cap with brown gills, on short stout stalk, usually in groups on dead inflorescence stem. Present in winter. Organism awaiting identification. | s | u |
| **You may also find** | | |  |  |  |
| 10 F | [ ] | *Phormium fuzzy oval leaf spots sp. 'tenax'* Flax fuzzy oval leaf spot. Biostatus: unknown | Fuzzy oval spots on live and dead leaves. Cause unknown. Present all year. | l | u |
| 38 F | [ ] | *Phormium tiny smooth caps sp. 'tenax'* (Cooke & Massee) Spooner Tiny smooth caps. Biostatus: unknown | Fungus, tiny solid off white smooth caps, short stalks. On dead leaves. Present in winter. Organism awaiting identification | m | u |
| 57 F | [ ] | *Phormium tiny brown 'bowls' sp. 'tenax'* Tiny brown bowls. Biostatus: unknown | Fungus, tiny brown bowls with white 'hairy' edges, on dead leaves. Present in winter. Organism awaiting identification. | e | u |
| 59 F | [ ] | *Crepidotus sp.* (Basidiomycota: Agaricomycetes: Agaricales: Crepidotaceae) White/tan flat fungus. Biostatus: indigenous, non-endemic | Fugus, white or tan coloured with gills but no stalk, lives on dead stems and leaves often with little space underneath. Present in winter. | l | n |
| 63 F | [ ] | *Phormium white fungus/dead leaf surface sp. tenax* White speckled fungus. Biostatus: unknown | Fungus on dead leaves, patches of white fluffy mycelium coating plant surface, with tiny brown fruiting bodies . Present in winter. Organism awaiting identification. | l | u |
| 65 F | [ ] | *Dicephalospora rufocornea* (Berk. & Broome) Spooner (Ascomycota: Leotiomycetes: Helotiales: Rutstroemiaceae) Flax tiny tan caps. Biostatus: unknown | Fungus, tiny solid tan caps, short stalks. In New Zealand only known from Phormium. May have different name. Present in winter. | e | u |
| 74 F | [ ] | *Stictis radiata* Pers. (Ascomycota: Lecanoromycetes: Ostropales: Stictidaceae) White-lipped holes. Biostatus: indigenous, non-endemic | Fungus, tiny round holes in dead leaves with white lips surrounding a smooth internal cavity. Present in winter. | l | n |
| 75 F | [ ] | *Lachnum hyalopus* (Cooke & Massee) Spooner (Ascomycota: Leotiomycetes: Helotiales: Hyaloscyphaceae) Flax tiny white hairy caps. Biostatus: endemic | Fungus on dead leaves, tiny white/off-white caps on short hairy stalk, starting ball-like with white hairy underside exposed. Present in winter. | e | e |
| 76 F | [ ] | *Phormium 'white mess' sp. 'tenax'* White jumble. Biostatus: unknown | Fungus, white messy looking mounds on dead flax leaves, short stout stalks underneath. Present in winter. Organism awaiting identification. | m | u |
| 77 F | [ ] | *Phormium 'balls on stalks' sp. 'tenax'* (Amoebozoa) Tiny balls on stalks. Biostatus: unknown | On dead leaves, tiny white balls on thin stalk; black inside. Present in winter. Slime mould awaiting identification. | e | u |
| 83 F | [ ] | *Phormium tiny brown balls sp. 'tenax' dead leaf* Tiny brown balls. Biostatus: unknown | Fungus, mass of tiny brown balls, each with opening at top; on dead inflorescence stalk. Present in winter. Organism awaiting identification. | e | u |
| 100 F | [ ] | *Hypoderma sp.* (Ascomycota: Leotiomycetes: Rhytismatales: Rhytismataceae) Hypoderma pustules. Biostatus: endemic | Fungus on dead leaves or stems, black elliptical fruiting bodies with longitudinal split, Two species may be present on flax. Present in winter. | l | e |
| 102 F | [ ] | *Phormium split skin grey sp. 'tenax'* Split skin grey bowl. Biostatus: unknown | Fungus, splits skin of dead leaves and opens exposing smooth grey tissue surrounded by white 'lips'. Present in winter. Organism awaiting identification. | e | u |
| 108 F | [ ] | *Phormium ellipses with pale slit sp. 'tenax'* (Ascomycota: Sordariomycetes: Xylariales: Xylariaceae) Ellipses with pale slit. Biostatus: unknown | Fungus, elliptical fruiting bodies with long pale slit on dead leaves, some may have crossways slits. Present in winter. Organism awaiting identification. | l | u |
| 113 F | [ ] | *Phormium tiny flower bud sp. tenax* Tiny 'flower bud' fungus. Biostatus: unknown | Fungus, tiny white and bud like with hairy scales on the outside. Organism awaiting identification. Present in winter. | e | u |
| 4688 H | [ ] | *Newsteadia gullanae* (Hemiptera: Ortheziidae), Gullans ensign scale: Sucking bug. Biostatus: endemic | Ensign scale insect, white wax plates covering body, long legs and antennae. Lives on dead leaves and stems. Feeds on fungi. Present in winter and spring. | m | e |

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**SUMMARY PAGE**

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**Date of survey** **Plot number** [ ] **STUDENT LEVEL**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number Found for this level of skill | | | | |
| Herbivores (H) | Parasites (PA) | Predators (PR) | Fungi and other microorganisms (F) | Total |
|  |  |  |  |  |
| Number of additional finds | | | | |
|  |  |  |  |  |
| Total Number found | | | | |
|  |  |  |  |  |
| Total number that could have been found for this level of skill | | | | |
|  |  |  | 10 | 10 |
| Total number that could have been found | | | | |
| 1 |  |  | 25 | 26 |

**Biostatus Results Table**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number Found for this level of skill | | | | |
| e  Endemic | n = native  Indigenous non-endemic | a  Adventive | u  Unknown | Total |
|  |  |  |  |  |
| Number of additional finds | | | | |
|  |  |  |  |  |
| Total Number found | | | | |
|  |  |  |  |  |
| Total number that could have been found for this level of skill | | | | |
| 3 | 1 |  | 6 | 10 |
| Total number that could have been found | | | | |
| 6 | 3 |  | 17 | 26 |