

A first checklist of the Pteridophytes of Togo (West Africa)

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Abstract

Background

The present work proposes, for the first time, a study exclusively focused on the diversity of Pteridophytes in Togo.

The study was based on fieldwork that resulted in 869 new collections gathered between 2013 and 2017 in the country and on yet existing herbarium specimens kept at the Herbaria of Lomé and Paris. Thus, a total number of 1092 specimens collected throughout the country served as a basis for this work, to which were added the known, published occurrences of Pteridophytes for the country.

New information

At the end of this study, a total diversity of 134 species belonging to 53 genera and 25 families and 12 orders were recorded and documented for the country. It results in 73 newly cited species for Togolese flora, including 61 spontaneous species. Lycopodiopsida (18 species) and Polypodiopsida (116 species) classes are both represented. The Polypodiales order is the most represented with 97 species. The Pteridaceae and Aspleniaceae families are the most diverse with 24 and 22 species respectively. Finally, notes were provided on species distribution at national level.

Keywords

Checklist, Biodiversity, Ferns, Lycopods, Pteridophytes, Togo, West Africa

Introduction

Much work has been done on the flora of Togo (Adjossou and Kokou 2009, Akpagana and Bouchet 1994, Batawila et al. 2005, Brunel et al. 1984, Guyot et al. 1994, Kokou et al. 1999, Kokou et al. 2006, Woegan 2007), resulting in flattering numbers of over 4000 species (SCBD 2018) for this relatively small country in tropical West Africa. Nevertheless, most of these works have mostly focused on angiosperms, suggesting an underestimation of other vascular plant lineages (the seed-bearing Gymnosperms and free-sporing 'Pteridophytes') and non vascular lineages ('Bryophytes').

'Pteridophytes' comprise actually two distinct, non-closely related evolutionary lineages treated as two classes, namely Lycophytes (Lycopodiopsida) and Ferns (Polypodiopsida) with a worldwide diversity estimated at about 11,916 species (PPGI 2016). On the African continent, the diversity of this group is relatively much lower than in the other tropical zones of the world with only 1,441 species (Roux 2009). This lower diversity could be linked, amongst other things, to the adverse past eco-climatic conditions and the weakness of the current forest cover (Kornas 1993), but it is certainly not the result of a single cause Couvreur 2015. Nevertheless, some regions are more diverse than others due to particular ecological conditions. These are mainly mountainous areas, islands and wet forest areas (Moran 1995, Aldasoro et al. 2004, Watkins Jr et al. 2006). Thus, the works of Aldasoro et al. (2004) have highlighted Togo Mountains as a hotspot of diversity for Pteridophytes on the African continent.

Nevertheless, apart from the works of Alston (1959), Roux (2009) and Abotsi et al. (2015), no other published taxonomic paper for Pteridophytes is available for the country. Moreover, those studies are still partial and cannot provide currently sufficient knowledge on the country. So, what is the current diversity of Pteridophytes in Togo? Available sources cite 61 species (Alston 1959), 54 species (Roux 2009) and even 126 species (Fousseni et al. 2014). It is therefore possible that some or all of these data are not accurate, meaning that there might be additional taxa still unknown for the local or even global flora. Conversely, some taxa may have been mis-stated for the country.

In the current era of the crisis of global biodiversity (Teyssède 2004) and increasing deforestation in Togo (Kokou 1998, Nadjombe 1992, Wilson et al. 2002) accompanied by a strong genetic erosion, it becomes more than urgent to know more about local biodiversity in order to draw the best conclusions for science and sustainable development. Species of great ecological, economic and/or genetic importance might be discovered and valued for the common good.

The present study therefore aims to produce an exhaustive and reliable list of Pteridophytes from Togo, based on reference herbarium specimens collected throughout the country and the occurrence data available in the literature.

Materials and methods

Study area

This study covers the whole of Togo. Togo is a country in West Africa, covering an area of 56,600 km². Ecologically, the country is divided into 5 ecological zones, discriminated mainly on the basis of climate, vegetation and relief (Ern 1979). The country usually has a humid to subhumid tropical climate, with rainfall ranges from 800 to 1600 mm per year. The country is crossed from south-west to north-east by the Atakora mountain range (also called Togo Mountains) which rises to 986 m at Mount Agou (Fig. 1). The rest of the territory consists of alluvial plains covered by a fairly dense network of mainly temporary rivers.

Methodology

Existing collections and occurrence data

The herbarium specimens of Pteridophytes kept in the Lomé Herbarium (TOGO; herbarium acronym following Thiers 2018) were used for this study. In total, there are 223 specimens, which are judged insufficient to support this study. To this end, it was critical to carry out new collections in the field. In addition, the occurrences available at GBIF.org (2016) online database and in the works of Roux (2009) and Alston (1959) were taken into account.

Fieldwork and collection of new specimens

Complementary specimens were collected throughout the territory between March 2013 and August 2017 by K.E. Abotsi. The collection sites (Fig. 1) were chosen in order to increase the probability of encountering Pteridophytes and to cover the entire heterogeneity of the country. In all, 100 sites were selected in which collections were carried out, regardless of taxonomic affiliation.

For each gathering, 1 to 4 duplicates were collected depending on the availability of fertile plant material and the state of the population. A fragment of lamina was also collected and preserved in silica gel (Gaudeul and Rouhan 2013). Photos of the entire plant as well as close-ups for identification (fertile parts, venation, hairs, scales etc.) were taken to support the identification. A total of 869 georeferenced specimens were collected and are now kept in the Togo National Herbarium (TOGO). Duplicates were sent to the Herbarium of the National Museum of Natural History of Paris (P).

Study of collected specimen

Identifications of the newly collected specimens were carried out thanks to the reference specimens of TOGO and P herbaria (MNHN 2017) as well as the flora of Cameroon (Tardieu-Blot 1964), Benin (Akoègninou et al. 2006) and Mascarene Islands (Autrey et al. 2008). Species names were updated to follow the PPGI classification (PPGI 2016), and considering synonymies included in the literature or Tropicos (Missouri Botanical Garden 2018) or Roux (Roux 2009).

The collected specimens were studied on the basis of morphological characters (vegetative and reproductive), adapted from the list of descriptors proposed by Abotsi et al. (2015) for the Pteridaceae family. Information on the ecology and geographical distribution has been reported directly in the field.

Presentation of the checklist

The checklist is organised by suprageneric taxon according to the current classification (PPGI 2016). Only 3 representative specimens examined were cited in the checklist to avoid overloading the text.

Data resources

The data underpinning the analysis reported in this paper are deposited at GBIF, the Global Biodiversity Information, http://ipt.pensoft.net/resource?r=togo_pteridophytes&v=1.1 (Abotsi 2018). The dataset contains only new occurrences recorded during this study. Prior occurrence data from other collectors are already available at GBIF portal.

Checklist

Class Lycopodiopsida

Order Isoëtales

Family Isoëtaceae

***Isoetes melanotheca* Alston**

Materials

- a. scientificName: *Isoetes melanotheca* Alston; namePublishedIn: Bol. Soc. Broter. Ser. 2A, 30: 15 (1956); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Isoëtales; family: Isoëtaceae; genus: *Isoetes*; specificEpithet: *melanotheca*; scientificNameAuthorship: Alston; continent: Africa; country: Togo; countryCode: TG; locality: Akodessewa; verbatimSRS: WGS84; decimalLatitude: 7.4333333; decimalLongitude: 1.4166667; geodeticDatum: WGS84; eventDate: 08-01-89; habitat: Flooded meadow; catalogNumber: 12217; recordNumber: 2039 bis; recordedBy:

- Akpagana, K.; identifiedBy: K. Akpagana; dateIdentified: 08-01-89; institutionID: Herbarium Togoense; collectionID: Akpagana, K.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 5FDBFC12-A442-5799-BEE6-EFD7154D1F0B
- b. scientificName: *Isoetes melanotheca* Alston; namePublishedIn: Bol. Soc. Broter. Ser. 2A, 30: 15 (1956); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Isoëtiales; family: Isoëtaceae; genus: *Isoetes*; specificEpithet: *melanotheca*; scientificNameAuthorship: Alston; continent: Africa; country: Togo; countryCode: TG; locality: Akodessewa; verbatimSRS: WGS84; decimalLatitude: 7.4333333; decimalLongitude: 1.4166667; geodeticDatum: WGS84; eventDate: 11-07-89; habitat: Flooded meadow; catalogNumber: 12218; recordNumber: 55; recordedBy: Kokou, K.; identifiedBy: Kokou, K.; dateIdentified: 11-07-89; institutionID: Herbarium Togoense; collectionID: Kokou, K.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 73070204-9580-5C32-B542-66388B55C226
- c. scientificName: *Isoetes melanotheca* Alston; namePublishedIn: Bol. Soc. Broter. Ser. 2A, 30: 15 (1956); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Isoëtiales; family: Isoëtaceae; genus: *Isoetes*; specificEpithet: *melanotheca*; scientificNameAuthorship: Alston; continent: Africa; country: Togo; countryCode: TG; locality: Akodessewa; verbatimSRS: WGS84; decimalLatitude: 7.4333333; decimalLongitude: 1.4166667; geodeticDatum: WGS84; eventDate: 07-01-89; habitat: Flooded meadow; catalogNumber: 12219; recordNumber: 2021; recordedBy: Akpagana, K.; identifiedBy: K. Akpagana; dateIdentified: 07-01-89; institutionID: Herbarium Togoense; collectionID: Akpagana, K.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 52ADC213-8A4A-54D3-B85B-A37E4DA3E2CB

Native status: Native

Distribution: Zone 3

Order Lycopodiales

Family Lycopodiaceae

Phlegmariurus staudtii (Nessel) A.R.Field & Bostock

Material

- a. scientificName: *Phlegmariurus staudtii* (Nessel) A.R.Field & Bostock; namePublishedIn: PhytoKeys 20: 47 (2013) [published]; kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Lycopodiales; family: Lycopodiaceae; genus: *Phlegmariurus*; specificEpithet: *staudtii*; scientificNameAuthorship: (Nessel) A.R.Field & Bostock; continent: Africa; country: Togo; countryCode: TG; locality: Danyi Elavagnon; verbatimElevation: 779; verbatimSRS: WGS84; decimalLatitude: 7.294897; decimalLongitude: 0.716599; geodeticDatum: WGS84; eventDate: /10/1978; habitat: Rainforest; catalogNumber: 12361; recordNumber: 5517; recordedBy: Brunel, J.-F.; identifiedBy: Brunel, J.-F.; dateIdentified: /10/1978; institutionID: Herbarium Togoense; collectionID: Brunel, J.-F.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 055CFD04-4BD1-5239-8655-786D0FAA4FE2

Native status: Native

Distribution: Zone 4

***Palhinhaea cernua* (L.) Carv. Vasc. & Franco**

Materials

- a. scientificName: *Palhinhaea cernua* (L.) Carv. Vasc. & Franco; namePublishedIn: Bol. Soc. Broter. Ser. 2, 41: 25 (1967); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Lycopodiales; family: Lycopodiaceae; genus: *Palhinhaea*; specificEpithet: *cernua*; scientificNameAuthorship: (L.) Carv. Vasc. & Franco; continent: Africa; country: Togo; countryCode: TG; locality: Danyi Dzédramégan; verbatimElevation: 695; verbatimSRS: WGS84; decimalLatitude: 7.201429; decimalLongitude: 0.634892; geodeticDatum: WGS84; eventDate: 09-30-16; habitat: Wooded savannah; recordNumber: AB0345; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 42643; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: D220070A-5894-5001-93F0-EAB0FECEE6A6
- b. scientificName: *Palhinhaea cernua* (L.) Carv. Vasc. & Franco; namePublishedIn: Bol. Soc. Broter. Ser. 2, 41: 25 (1967); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Lycopodiales; family: Lycopodiaceae; genus: *Palhinhaea*; specificEpithet: *cernua*; scientificNameAuthorship: (L.) Carv. Vasc. & Franco; continent: Africa; country: Togo; countryCode: TG; locality: Alédjo; verbatimElevation: 634; verbatimSRS: WGS84; decimalLatitude: 9.256244; decimalLongitude: 1.223654; geodeticDatum: WGS84; eventDate: 01-04-17; habitat: Wooded savannah; recordNumber: AB0457; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 01-04-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: B390DB52-2DE0-55BF-8547-2E7AB1A61529
- c. scientificName: *Palhinhaea cernua* (L.) Carv. Vasc. & Franco; namePublishedIn: Bol. Soc. Broter. Ser. 2, 41: 25 (1967); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Lycopodiales; family: Lycopodiaceae; genus: *Palhinhaea*; specificEpithet: *cernua*; scientificNameAuthorship: (L.) Carv. Vasc. & Franco; continent: Africa; country: Togo; countryCode: TG; locality: Dikpéléou; verbatimElevation: 666; verbatimSRS: WGS84; decimalLatitude: 8.184573745; decimalLongitude: 0.634673418; geodeticDatum: WGS84; eventDate: 05-09-13; habitat: Wooded savannah; recordNumber: ASM 0147; recordedBy: Abotsi, K.E., Sodjinou E. & Mingou P.; identifiedBy: Abotsi, K.E.; dateIdentified: 05-09-13; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: C9751CB9-B487-57C5-9F68-0175DA407532

Native status: Native

Distribution: Zones 2 and 4

***Pseudolycopodiella affinis* (Bory) Holub**

Material

- a. scientificName: *Pseudolycopodiella affinis* (Bory) Holub.; namePublishedIn: Folia Geobot. Phytotax. 20 (1): 79 (1985); kingdom: Plantae; phylum: Pteridophyta; class:

Lycopodiopsida; order: Lycopodiales; family: Lycopodiaceae; genus: Lycopodiella; specificEpithet: affinis; scientificNameAuthorship: (Bory) Holub.; continent: Africa; country: Togo; countryCode: TG; locality: Défalé; verbatimElevation: 272; verbatimSRS: WGS84; decimalLatitude: 9.934112; decimalLongitude: 1.086934; geodeticDatum: WGS84; eventDate: /1978; habitat: Flooded meadow; catalogNumber: 12360; recordNumber: 4661; recordedBy: Brunel, J.-F.; identifiedBy: Brunel, J.-F.; dateIdentified: /1978; institutionID: Herbarium Togoense; collectionID: Brunel, J.-F.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 78C079E4-8562-559A-B0F3-B186C7F1ECC2

Native status: Native

Distribution: Zone 2

Order Selaginellales

Family Selaginellaceae

Selaginella blepharophylla Alston

Materials

- a. scientificName: *Selaginella blepharophylla* Alston; namePublishedIn: Mém. Inst. Fr. Afr. Noire 50: 40, t. 6, ff. 9-15 (1957); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Selaginellales; family: Selaginellaceae; genus: *Selaginella*; specificEpithet: *blepharophylla*; scientificNameAuthorship: Alston; continent: Africa; country: Togo; countryCode: TG; locality: Womé; verbatimElevation: 319; verbatimSRS: WGS84; decimalLatitude: 6.857785; decimalLongitude: 0.554402; geodeticDatum: WGS84; eventDate: 08-03-16; habitat: Rainforest; recordNumber: AB0181; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 08-03-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 252748AE-66F7-50B9-AED4-F6508D7AABF1
- b. scientificName: *Selaginella blepharophylla* Alston; namePublishedIn: Mém. Inst. Fr. Afr. Noire 50: 40, t. 6, ff. 9-15 (1957); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Selaginellales; family: Selaginellaceae; genus: *Selaginella*; specificEpithet: *blepharophylla*; scientificNameAuthorship: Alston; continent: Africa; country: Togo; countryCode: TG; locality: Tchatchakou; verbatimElevation: 230; verbatimSRS: WGS84; decimalLatitude: 8.573536; decimalLongitude: 0.616629; geodeticDatum: WGS84; eventDate: 07-15-17; habitat: Dry dense forest; recordNumber: AB0572; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 07-15-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 00225A9B-C06E-5F4C-B383-85AB4FF91192
- c. scientificName: *Selaginella blepharophylla* Alston; namePublishedIn: Mém. Inst. Fr. Afr. Noire 50: 40, t. 6, ff. 9-15 (1957); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Selaginellales; family: Selaginellaceae; genus: *Selaginella*; specificEpithet: *blepharophylla*; scientificNameAuthorship: Alston; continent: Africa; country: Togo; countryCode: TG; locality: Danyi Dzogbégan; verbatimElevation: 719; verbatimSRS: WGS84; decimalLatitude: 7.231714; decimalLongitude: 0.677706;

geodeticDatum: WGS84; eventDate: 12-27-16; habitat: Rainforest; recordNumber: AB0428; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 12-27-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 77A005E1-9528-59BC-9FE3-09CC04D5DAE5

Native status: Native

Distribution: Zone 4

***Selaginella buccholzii* Hieron.**

Materials

- a. scientificName: *Selaginella buccholzii* Hieron.; namePublishedIn: Engl. & Prantl, Nat. Pfl. 1(4): 696, no. 272 (1901 publ. 1902); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Selaginellales; family: Selaginellaceae; genus: *Selaginella*; specificEpithet: *buccholzii*; scientificNameAuthorship: Hieron.; continent: Africa; country: Togo; countryCode: TG; locality: Alédjo; verbatimElevation: 512; verbatimSRS: WGS84; decimalLatitude: 9.271784; decimalLongitude: 1.207243; geodeticDatum: WGS84; eventDate: 07-12-17; habitat: Dry dense forest; recordNumber: AB0553; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 07-12-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: FDD351DE-A029-5584-9569-DE12C631A1B7
- b. scientificName: *Selaginella buccholzii* Hieron.; namePublishedIn: Engl. & Prantl, Nat. Pfl. 1(4): 696, no. 272 (1901 publ. 1902); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Selaginellales; family: Selaginellaceae; genus: *Selaginella*; specificEpithet: *buccholzii*; scientificNameAuthorship: Hieron.; continent: Africa; country: Togo; countryCode: TG; locality: Efolo; verbatimElevation: 626; verbatimSRS: WGS84; decimalLatitude: 9.289027; decimalLongitude: 1.079214; geodeticDatum: WGS84; eventDate: 07-13-17; habitat: Woodland; recordNumber: AB0557; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 07-13-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 5CC829A7-6E88-5A9A-BCBE-A7D7B3357A38
- c. scientificName: *Selaginella buccholzii* Hieron.; namePublishedIn: Engl. & Prantl, Nat. Pfl. 1(4): 696, no. 272 (1901 publ. 1902); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Selaginellales; family: Selaginellaceae; genus: *Selaginella*; specificEpithet: *buccholzii*; scientificNameAuthorship: Hieron.; continent: Africa; country: Togo; countryCode: TG; locality: Efolo; verbatimElevation: 627; verbatimSRS: WGS84; decimalLatitude: 9.288883; decimalLongitude: 1.079122; geodeticDatum: WGS84; eventDate: 07-13-17; habitat: Woodland; recordNumber: AB0558; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 07-13-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: E0317E46-B76D-5D76-81C7-16CD9196FDA6

Native status: Native

Distribution: Zone 2

Selaginella cathedrifolia Spring

Materials

- a. scientificName: *Selaginella cathedrifolia* Spring; namePublishedIn: Monogr. Lyc. 2: 112, no. 58 (1850); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Selaginellales; family: Selaginellaceae; genus: *Selaginella*; specificEpithet: *cathedrifolia*; scientificNameAuthorship: Spring; continent: Africa; country: Togo; countryCode: TG; locality: Badou; verbatimElevation: 389; verbatimSRS: WGS84; decimalLatitude: 7.5807; decimalLongitude: 0.622406; geodeticDatum: WGS84; eventDate: 08-08-16; habitat: Rainforest; recordNumber: AB0265; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 08-08-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 9E15E2CE-B14E-5F59-BDD6-7402E28AB08C
- b. scientificName: *Selaginella cathedrifolia* Spring; namePublishedIn: Monogr. Lyc. 2: 112, no. 58 (1850); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Selaginellales; family: Selaginellaceae; genus: *Selaginella*; specificEpithet: *cathedrifolia*; scientificNameAuthorship: Spring; continent: Africa; country: Togo; countryCode: TG; locality: Okpahoué; verbatimElevation: 369; verbatimSRS: WGS84; decimalLatitude: 7.618456; decimalLongitude: 0.997671; geodeticDatum: WGS84; eventDate: 09-15-16; habitat: Rainforest; recordNumber: AB0267; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 09-15-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 5C57118B-ADD6-5E4F-B30D-81AD2A458F56
- c. scientificName: *Selaginella cathedrifolia* Spring; namePublishedIn: Monogr. Lyc. 2: 112, no. 58 (1850); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Selaginellales; family: Selaginellaceae; genus: *Selaginella*; specificEpithet: *cathedrifolia*; scientificNameAuthorship: Spring; continent: Africa; country: Togo; countryCode: TG; locality: Assoukoko; verbatimElevation: 604; verbatimSRS: WGS84; decimalLatitude: 8.003763; decimalLongitude: 0.625499; geodeticDatum: WGS84; eventDate: 09-18-16; habitat: Rainforest; recordNumber: AB0313; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 09-18-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 5F56E563-9FB0-5B96-BE59-16686226FEAC

Native status: Native

Distribution: Zone 4

Selaginella goudotiana var. *abyssinica* (Spring) Bizzarri

Materials

- a. scientificName: *Selaginella goudotiana* Spring var. *abyssinica* (Spring) Bizzarri; namePublishedIn: *Webbia* 29: 585, fig. 9 (1975); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Selaginellales; family: Selaginellaceae; taxonRank: Variety; genus: *Selaginella*; specificEpithet: *goudotiana*; infraspecificEpithet: *abyssinica*; scientificNameAuthorship: (Spring) Bizzarri; continent: Africa; country: Togo; countryCode: TG; locality: Danyi N'Digbé; verbatimElevation: 590; verbatimSRS: WGS84;

- decimalLatitude: 7.115728; decimalLongitude: 0.661356; geodeticDatum: WGS84; eventDate: 06-28-16; habitat: Coffee/cocoa based agroforest; recordNumber: AB0128; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-28-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 9BD3CAA3-FDD4-54CC-9E7C-E4A2C3B651DA
- b. scientificName: *Selaginella goudotiana* Spring var. *abyssinica* (Spring) Bizzarri; namePublishedIn: *Webbia* 29: 585, fig. 9 (1975); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Selaginellales; family: Selaginellaceae; taxonRank: Variety; genus: *Selaginella*; specificEpithet: *goudotiana*; infraspecificEpithet: *abyssinica*; scientificNameAuthorship: (Spring) Bizzarri; continent: Africa; country: Togo; countryCode: TG; locality: Kpimé Séva; verbatimElevation: 309; verbatimSRS: WGS84; decimalLatitude: 7.00812; decimalLongitude: 0.645614; geodeticDatum: WGS84; eventDate: 07-23-16; habitat: Rainforest; recordNumber: AB0166; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 07-23-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 90211C28-C1ED-503F-A370-1946402A7BC7
- c. scientificName: *Selaginella goudotiana* Spring var. *abyssinica* (Spring) Bizzarri; namePublishedIn: *Webbia* 29: 585, fig. 9 (1975); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Selaginellales; family: Selaginellaceae; taxonRank: Variety; genus: *Selaginella*; specificEpithet: *goudotiana*; infraspecificEpithet: *abyssinica*; scientificNameAuthorship: (Spring) Bizzarri; continent: Africa; country: Togo; countryCode: TG; locality: Gbadi N'Kugna; verbatimElevation: 674; verbatimSRS: WGS84; decimalLatitude: 7.454038; decimalLongitude: 0.705819; geodeticDatum: WGS84; eventDate: 04-25-17; habitat: Rainforest; recordNumber: AB0499; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 04-25-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 1DB7BA03-58B4-5707-8689-CEB541FC0F71

Native status: Native

Distribution: Zone 4

***Selaginella kalbreyeri* Baker**

Materials

- a. scientificName: *Selaginella kalbreyeri* Baker; namePublishedIn: *J. Bot.* 22: 276, no. 157 (1884); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Selaginellales; family: Selaginellaceae; genus: *Selaginella*; specificEpithet: *kalbreyeri*; scientificNameAuthorship: Baker; continent: Africa; country: Togo; countryCode: TG; locality: Tchatchakou; verbatimElevation: 213; verbatimSRS: WGS84; decimalLatitude: 8.573451; decimalLongitude: 0.616623; geodeticDatum: WGS84; eventDate: 07-15-17; habitat: Dry dense forest; recordNumber: AB0571; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 07-15-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 68727A4F-6400-5239-9913-FB4897D192A4
- b. scientificName: *Selaginella kalbreyeri* Baker; namePublishedIn: *J. Bot.* 22: 276, no. 157 (1884); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Selaginellales; family: Selaginellaceae; genus: *Selaginella*; specificEpithet: *kalbreyeri*; scientificNameAuthorship: Baker; continent: Africa; country: Togo; countryCode: TG; locality: Tchatchaminadé; verbatimElevation: 401; verbatimSRS: WGS84;

decimalLatitude: 9.310482; decimalLongitude: 0.984611; geodeticDatum: WGS84; eventDate: 07-14-17; habitat: Dry dense forest; recordNumber: AB0566; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 07-14-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 1FC64AC5-7593-5F3D-91E0-29454C84B26F

Native status: Native

Distribution: Zone 2

Selaginella molliceps Spring

Materials

- a. scientificName: *Selaginella molliceps* Spring; namePublishedIn: Mém. Acad. Roy. Sci. Belg. 24: 257 (1850); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Selaginellales; family: Selaginellaceae; genus: *Selaginella*; specificEpithet: *molliceps*; scientificNameAuthorship: Spring; continent: Africa; country: Togo; countryCode: TG; locality: Assoukoko; verbatimElevation: 656; verbatimSRS: WGS84; decimalLatitude: 8.005225; decimalLongitude: 0.628037; geodeticDatum: WGS84; eventDate: 09-18-16; habitat: Rainforest; recordNumber: AB0309; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 09-18-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: CF879032-0B31-5A64-AB34-70219C30D63F
- b. scientificName: *Selaginella molliceps* Spring; namePublishedIn: Mém. Acad. Roy. Sci. Belg. 24: 257 (1850); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Selaginellales; family: Selaginellaceae; genus: *Selaginella*; specificEpithet: *molliceps*; scientificNameAuthorship: Spring; continent: Africa; country: Togo; countryCode: TG; locality: Agou Nyogbo; verbatimElevation: 555; verbatimSRS: WGS84; decimalLatitude: 6.876866; decimalLongitude: 0.733962; geodeticDatum: WGS84; eventDate: 06-13-16; habitat: Coffee/cocoa based agroforest; recordNumber: AB0016; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-13-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 729F4595-F260-5FFD-99FC-AF6194B23852

Native status: Native

Distribution: Zone 4

Selaginella myosurus (Sw.) Alston

Materials

- a. scientificName: *Selaginella myosurus* (Sw.) Alston; namePublishedIn: J. Bot. 70: 64, no. 6 (1932); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Selaginellales; family: Selaginellaceae; genus: *Selaginella*; specificEpithet: *myosurus*; scientificNameAuthorship: (Sw.) Alston; continent: Africa; country: Togo; countryCode: TG; locality: Danyi N'Digbé; verbatimElevation: 695; verbatimSRS: WGS84; decimalLatitude: 7.151191; decimalLongitude: 0.671984; geodeticDatum: WGS84; eventDate: 06-27-16; habitat: Rainforest; recordNumber: AB0110; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-27-16; institutionID: Herbarium

- Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 276615B9-4CAD-57BB-AC77-31DD798E35F8
- b. scientificName: *Selaginella myosurus* (Sw.) Alston; namePublishedIn: J. Bot. 70: 64, no. 6 (1932); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Selaginellales; family: Selaginellaceae; genus: *Selaginella*; specificEpithet: *myosurus*; scientificNameAuthorship: (Sw.) Alston; continent: Africa; country: Togo; countryCode: TG; locality: Kuma Dunyo; verbatimElevation: 614; verbatimSRS: WGS84; decimalLatitude: 6.981979; decimalLongitude: 0.596179; geodeticDatum: WGS84; eventDate: 08-04-16; habitat: Rainforest; recordNumber: AB0214; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 08-04-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 45CD4A84-8F59-54F1-B0B6-941F99CE470F
- c. scientificName: *Selaginella myosurus* (Sw.) Alston; namePublishedIn: J. Bot. 70: 64, no. 6 (1932); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Selaginellales; family: Selaginellaceae; genus: *Selaginella*; specificEpithet: *myosurus*; scientificNameAuthorship: (Sw.) Alston; continent: Africa; country: Togo; countryCode: TG; locality: Ediwlou; verbatimElevation: 618; verbatimSRS: WGS84; decimalLatitude: 7.40944; decimalLongitude: 0.680984; geodeticDatum: WGS84; eventDate: 04-25-17; habitat: Rainforest; recordNumber: AB0483; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 04-25-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 4661625A-D0A5-52B9-B0D3-664E969387D2

Native status: Native

Distribution: Zone 4

Selaginella njamnjamensis Hieron.

Materials

- a. scientificName: *Selaginella njamnjamensis* Hieron.; namePublishedIn: Hedwigia 39: 312 (1900); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Selaginellales; family: Selaginellaceae; genus: *Selaginella*; specificEpithet: *njamnjamensis*; scientificNameAuthorship: Hieron.; continent: Africa; country: Togo; countryCode: TG; locality: Ounabè; verbatimElevation: 494; verbatimSRS: WGS84; decimalLatitude: 7.5603; decimalLongitude: 1.019597; geodeticDatum: WGS84; eventDate: 08-05-16; habitat: Rainforest; recordNumber: AB0222; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 08-05-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: C75C8403-05E1-5168-B7F1-745069E886CD
- b. scientificName: *Selaginella njamnjamensis* Hieron.; namePublishedIn: Hedwigia 39: 312 (1900); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Selaginellales; family: Selaginellaceae; genus: *Selaginella*; specificEpithet: *njamnjamensis*; scientificNameAuthorship: Hieron.; continent: Africa; country: Togo; countryCode: TG; locality: Haito; verbatimElevation: 412; verbatimSRS: WGS84; decimalLatitude: 7.19919; decimalLongitude: 0.909572; geodeticDatum: WGS84; eventDate: 07-22-16; habitat: Dry dense forest; recordNumber: AB0160; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 07-22-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: A2620EBC-042C-5D8E-97E4-9B6B1BA61CD0

Native status: Native

Distribution: Zones 3 and 4

***Selaginella protensa* Alston**

Material

- a. scientificName: *Selaginella protensa* Alston; namePublishedIn: Mém. Inst. Fr. Afr. Noire 50: 41 (1957); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Selaginellales; family: Selaginellaceae; genus: *Selaginella*; specificEpithet: *protensa*; scientificNameAuthorship: Alston; continent: Africa; country: Togo; countryCode: TG; locality: Kloto; verbatimElevation: 645; verbatimSRS: WGS84; decimalLatitude: 6.9415; decimalLongitude: 0.57489; geodeticDatum: WGS85; eventDate: /1972; habitat: Rainforest; catalogNumber: 12422; recordNumber: 749 Bis; recordedBy: Brunel, J.-F.; identifiedBy: Brunel, J.-F.; dateIdentified: /1972; institutionID: Herbarium Togoense; collectionID: Brunel, J.-F.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 691BF788-2051-5031-9FD3-983DC090133C

Native status: Native

Distribution: Zone 4

***Selaginella soyauxii* Hieron.**

Material

- a. scientificName: *Selaginella soyauxii* Hieron.; namePublishedIn: Engl. & Prantl, Nat. Pfl. 1(4): 697, no. 305. (1901 publ. 1902); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Selaginellales; family: Selaginellaceae; genus: *Selaginella*; specificEpithet: *soyauxii*; scientificNameAuthorship: Hieron.; continent: Africa; country: Togo; countryCode: TG; locality: Kpimé Séva; verbatimElevation: 527; verbatimSRS: WGS84; decimalLatitude: 7.017175; decimalLongitude: 0.64061; geodeticDatum: WGS84; eventDate: 08-04-16; habitat: Rainforest; recordNumber: AB0207; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 08-04-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 4B57941D-1EDC-59E2-9FFA-5AEA7A312FA2

Native status: Native

Distribution: Zone 4

***Selaginella thomensis* Alston**

Materials

- a. scientificName: *Selaginella thomensis* Alston; namePublishedIn: Exell, Cat. Vasc. Pl. S. Tomé, 97, f. 3 (1944); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Selaginellales; family: Selaginellaceae; genus: *Selaginella*; specificEpithet: *thomensis*; scientificNameAuthorship: Alston; continent: Africa; country: Togo; countryCode: TG; locality: Kpimé Séva; verbatimElevation: 527; verbatimSRS: WGS84;

decimalLatitude: 7.017048; decimalLongitude: 0.640631; geodeticDatum: WGS84; eventDate: 08-04-16; habitat: Rainforest; recordNumber: AB0208; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 08-04-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 9E0AA5C0-8ABC-5AC2-B41D-446F98BFCF17

- b. scientificName: *Selaginella thomensis* Alston; namePublishedIn: Exell, Cat. Vasc. Pl. S. Tomé, 97, f. 3 (1944); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Selaginellales; family: Selaginellaceae; genus: *Selaginella*; specificEpithet: *thomensis*; scientificNameAuthorship: Alston; continent: Africa; country: Togo; countryCode: TG; locality: Akloa; verbatimElevation: 477; verbatimSRS: WGS84; decimalLatitude: 7.515382; decimalLongitude: 0.620145; geodeticDatum: WGS84; eventDate: 08-06-16; habitat: Rainforest; recordNumber: AB0238; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 08-06-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 76D51F7E-94AD-58B7-84D6-AB820133D1C0

Native status: Native

Distribution: Zone 4

Selaginella versicolor Spring

Materials

- a. scientificName: *Selaginella versicolor* Spring; namePublishedIn: Bull. Acad. Roy. Soc. Bruxelles 10: 143, no. 57 (1843); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Selaginellales; family: Selaginellaceae; genus: *Selaginella*; specificEpithet: *versicolor*; scientificNameAuthorship: Spring; continent: Africa; country: Togo; countryCode: TG; locality: Ayomé; verbatimElevation: 312; verbatimSRS: WGS84; decimalLatitude: 7.500341; decimalLongitude: 0.955395; geodeticDatum: WGS84; eventDate: 08-05-16; habitat: Rainforest; recordNumber: AB0216; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 08-05-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 32F09A36-B8B6-5BFA-AD62-BC55BE956650
- b. scientificName: *Selaginella versicolor* Spring; namePublishedIn: Bull. Acad. Roy. Soc. Bruxelles 10: 143, no. 57 (1843); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Selaginellales; family: Selaginellaceae; genus: *Selaginella*; specificEpithet: *versicolor*; scientificNameAuthorship: Spring; continent: Africa; country: Togo; countryCode: TG; locality: Assoukoko; verbatimElevation: 366; verbatimSRS: WGS84; decimalLatitude: 8.000007; decimalLongitude: 0.61621; geodeticDatum: WGS84; eventDate: 09-18-16; habitat: Rainforest; recordNumber: AB0315; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 09-18-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 9F6119A8-D743-51DF-9AF4-4036F6275E36
- c. scientificName: *Selaginella versicolor* Spring; namePublishedIn: Bull. Acad. Roy. Soc. Bruxelles 10: 143, no. 57 (1843); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Selaginellales; family: Selaginellaceae; genus: *Selaginella*; specificEpithet: *versicolor*; scientificNameAuthorship: Spring; continent: Africa; country: Togo; countryCode: TG; locality: Fazao; verbatimElevation: 528; verbatimSRS: WGS84; decimalLatitude: 8.626591; decimalLongitude: 0.762663; geodeticDatum: WGS84; eventDate: 07-17-17; habitat: Dry dense forest; recordNumber: AB0592; recordedBy:

Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 07-17-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 08DF5D8B-6E6B-5715-89E9-7CF1F11B06AB

Native status: Native

Distribution: Zones 2 and 4

Selaginella vogelii Spring

Materials

- a. scientificName: *Selaginella vogelii* Spring; namePublishedIn: Monogr. Lyc. 2: 170, no. 111 (1850); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Selaginellales; family: Selaginellaceae; genus: *Selaginella*; specificEpithet: vogelii; scientificNameAuthorship: Spring; continent: Africa; country: Togo; countryCode: TG; locality: Womé; verbatimElevation: 322; verbatimSRS: WGS84; decimalLatitude: 6.85783; decimalLongitude: 0.554387; geodeticDatum: WGS84; eventDate: 08-03-16; habitat: Rainforest; recordNumber: AB0180; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 08-03-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 301BF97B-1283-5224-A452-74B569BB446A
- b. scientificName: *Selaginella vogelii* Spring; namePublishedIn: Monogr. Lyc. 2: 170, no. 111 (1850); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Selaginellales; family: Selaginellaceae; genus: *Selaginella*; specificEpithet: vogelii; scientificNameAuthorship: Spring; continent: Africa; country: Togo; countryCode: TG; locality: Badou; verbatimElevation: 401; verbatimSRS: WGS84; decimalLatitude: 7.580799; decimalLongitude: 0.6227; geodeticDatum: WGS84; eventDate: 08-08-16; habitat: Rainforest; recordNumber: AB0262; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 08-08-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 3515C615-C9B3-5AEB-A87E-E95F5903DCF1
- c. scientificName: *Selaginella vogelii* Spring; namePublishedIn: Monogr. Lyc. 2: 170, no. 111 (1850); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Selaginellales; family: Selaginellaceae; genus: *Selaginella*; specificEpithet: vogelii; scientificNameAuthorship: Spring; continent: Africa; country: Togo; countryCode: TG; locality: Souroukou; verbatimElevation: 239; verbatimSRS: WGS84; decimalLatitude: 8.755171; decimalLongitude: 0.684436; geodeticDatum: WGS84; eventDate: 07-15-17; habitat: Dry dense forest; recordNumber: AB0573; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 07-15-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: F5889CDA-16E3-5671-872C-7A5E56BE9E8F

Native status: Native

Distribution: Zones 2 and 4

Selaginella zechii Hieron.

Material

- a. scientificName: *Selaginella zechii* Hieron.; namePublishedIn: Engl. & Prantl, Nat. Pfl. 1(4): 697, no. 298. (1901 publ. 1902); kingdom: Plantae; phylum: Pteridophyta; class: Lycopodiopsida; order: Selaginellales; family: Selaginellaceae; genus: *Selaginella*; specificEpithet: *zechii*; scientificNameAuthorship: Hieron.; continent: Africa; country: Togo; countryCode: TG; locality: Kpimé Séva; verbatimElevation: 527; verbatimSRS: WGS84; decimalLatitude: 7.004519; decimalLongitude: 0.633291; geodeticDatum: WGS84; eventDate: /2/1974; habitat: Rainforest; catalogNumber: 12382; recordNumber: 4887; recordedBy: Brunel, J.-F.; identifiedBy: Brunel, J.-F.; dateIdentified: /2/1974; institutionID: Herbarium Togoense; collectionID: Brunel, J.-F.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: E94C23AA-C50B-5C4C-8D92-E65E1E02E5DC

Native status: Native

Distribution: Zone 4

Class Polypodiopsida

Subclass Marattiidae

Order Marattiales

Family Marattiaceae

Ptisana salicifolia (Schrad.) Senterre & Rouhan

Materials

- a. scientificName: *Ptisana salicifolia* (Schrad.) Senterre & Rouhan; namePublishedIn: Phytotaxa 158(1): 70 (2014); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Marattiales; family: Marattiaceae; genus: *Ptisana*; specificEpithet: *salicifolia*; scientificNameAuthorship: (Schrad.) Senterre & Rouhan; continent: Africa; country: Togo; countryCode: TG; locality: Danyi Gbaladzé; verbatimElevation: 798; verbatimSRS: WGS84; decimalLatitude: 7.207299; decimalLongitude: 0.731471; geodeticDatum: WGS84; eventDate: 10-01-16; habitat: Rainforest; recordNumber: AB0353; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 42644; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: B23EBE14-F3A4-5871-9D7C-11D7263E73D1
- b. scientificName: *Ptisana salicifolia* (Schrad.) Senterre & Rouhan; namePublishedIn: Phytotaxa 158(1): 70 (2014); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Marattiales; family: Marattiaceae; genus: *Ptisana*; specificEpithet: *salicifolia*; scientificNameAuthorship: (Schrad.) Senterre & Rouhan; continent: Africa;

country: Togo; countryCode: TG; locality: Gobè; verbatimElevation: 720; verbatimSRS: WGS84; decimalLatitude: 7.501756; decimalLongitude: 0.799352; geodeticDatum: WGS84; eventDate: 04-26-17; habitat: Rainforest; recordNumber: AB0525; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 04-26-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 4AA2C6D9-98E7-5F30-99C6-BDC0A124D461

- c. scientificName: *Ptisana salicifolia* (Schrad.) Senterre & Rouhan; namePublishedIn: *Phytotaxa* 158(1): 70 (2014); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Marattiales; family: Marattiaceae; genus: *Ptisana*; specificEpithet: *salicifolia*; scientificNameAuthorship: (Schrad.) Senterre & Rouhan; continent: Africa; country: Togo; countryCode: TG; locality: Gbadi Gawodo; verbatimElevation: 636; verbatimSRS: WGS84; decimalLatitude: 7.484688; decimalLongitude: 0.766313; geodeticDatum: WGS84; eventDate: 04-26-17; habitat: Rainforest; recordNumber: AB0511; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 04-26-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 5A073535-F377-5C13-9208-5D4F65815234

Native status: Native

Distribution: Zone 4

Subclass Ophioglossidae

Order Ophioglossales

Family Ophioglossaceae

Ophioglossum costatum R.Br.

Materials

- a. scientificName: *Ophioglossum costatum* R.Br.; namePublishedIn: *Prodr. Fl. Nov. Holl.* 163 (1810); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Ophioglossales; family: Ophioglossaceae; genus: *Ophioglossum*; specificEpithet: *costatum*; scientificNameAuthorship: R.Br.; continent: Africa; country: Togo; countryCode: TG; locality: Rodokpé; verbatimElevation: 168; verbatimSRS: WGS84; decimalLatitude: 7.04094; decimalLongitude: 1.155844; geodeticDatum: WGS84; eventDate: 10-07-16; habitat: Wooded savannah; recordNumber: AB0401; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 10-07-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: B1C00112-8D67-5C77-B803-D9739DFC1D9B
- b. scientificName: *Ophioglossum costatum* R.Br.; namePublishedIn: *Prodr. Fl. Nov. Holl.* 163 (1810); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Ophioglossales; family: Ophioglossaceae; genus: *Ophioglossum*; specificEpithet: *costatum*; scientificNameAuthorship: R.Br.; continent: Africa; country: Togo; countryCode: TG; locality: Fazaò; verbatimElevation: 534; verbatimSRS: WGS84; decimalLatitude: 8.631144; decimalLongitude: 0.766771; geodeticDatum: WGS84; eventDate: 07-17-17;

habitat: Shrub savannah; recordNumber: AB0598; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 07-17-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 6AE9E949-0D6F-552D-9679-1C7AA98D99A9

- c. scientificName: *Ophioglossum costatum* R.Br.; namePublishedIn: Prodr. Fl. Nov. Holl. 163 (1810); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Ophioglossales; family: Ophioglossaceae; genus: *Ophioglossum*; specificEpithet: *costatum*; scientificNameAuthorship: R.Br.; continent: Africa; country: Togo; countryCode: TG; locality: Fazao; verbatimElevation: 533; verbatimSRS: WGS84; decimalLatitude: 8.631118; decimalLongitude: 0.766724; geodeticDatum: WGS84; eventDate: 07-17-17; habitat: Shrub savannah; recordNumber: AB0599; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 07-17-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: D7AB3684-9327-5F94-9CDC-489F28218E00

Native status: Native

Distribution: Zones 2 and 3

***Ophioglossum gomezianum* Welw. ex A. Br. apud Kuhn**

Material

- a. scientificName: *Ophioglossum gomezianum* Welw. ex A. Br. apud Kuhn; namePublishedIn: Fil. Afr. 176 (1868); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Ophioglossales; family: Ophioglossaceae; genus: *Ophioglossum*; specificEpithet: *gomezianum*; scientificNameAuthorship: Welw. ex A. Br. apud Kuhn; continent: Africa; country: Togo; countryCode: TG; locality: Oké; verbatimElevation: 200; verbatimSRS: WGS84; decimalLatitude: 7.4333333; decimalLongitude: 1.4166667; geodeticDatum: WGS84; eventDate: 07-01-89; habitat: Wooded savannah; catalogNumber: 12382; recordNumber: 2018; recordedBy: Akpagana, K.; identifiedBy: K. Akpagana; dateIdentified: 07-01-89; institutionID: Herbarium Togoense; collectionID: Akpagana, K.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: F839B2D1-6402-5752-B2F4-92FB2E019FCC

Native status: Native

Distribution: Zone 3

***Ophioglossum gramineum* Willd.**

Material

- a. scientificName: *Ophioglossum gramineum* Willd.; namePublishedIn: Nov. Act. Acad. Erf. 2: 18, t. 1, f. 1 (1802); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Ophioglossales; family: Ophioglossaceae; genus: *Ophioglossum*; specificEpithet: *gramineum*; scientificNameAuthorship: Willd.; continent: Africa; country: Togo; countryCode: TG; locality: Akodessewa; verbatimElevation: 180; verbatimSRS: WGS84; decimalLatitude: 7.4333333; decimalLongitude: 1.4166667; geodeticDatum: WGS84; eventDate: 08-01-89; habitat: Wooded savannah; catalogNumber: 12381; recordNumber: 2040; recordedBy: Akpagana, K.; identifiedBy: K. Akpagana; dateIdentified: 08-01-89;

institutionID: Herbarium Togoense; collectionID: Akpagana, K.; institutionCode: TOGO;
basisOfRecord: Preserved specimen; occurrenceID:
E47D110D-97AF-5B13-928B-840AAC3CC8A7

Native status: Native

Distribution: Zone 3

Ophioglossum reticulatum L.

Material

- a. scientificName: *Ophioglossum reticulatum* L.; namePublishedIn: Sp. Pl. 2: 1063 (1753); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Ophioglossales; family: Ophioglossaceae; genus: *Ophioglossum*; specificEpithet: *reticulatum*; scientificNameAuthorship: L.; continent: Africa; country: Togo; countryCode: TG; locality: Hounto; verbatimElevation: 210; verbatimSRS: WGS84; decimalLatitude: 7.4333333; decimalLongitude: 1.4166667; geodeticDatum: WGS84; eventDate: 06-01-89; habitat: Wooded savannah; catalogNumber: 12380; recordNumber: 2037 bis; recordedBy: Akpagana, K.; identifiedBy: K. Akpagana; dateIdentified: 06-01-89; institutionID: Herbarium Togoense; collectionID: Akpagana, K.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 0140F525-049E-5BB6-A43D-EDCA37AD25EC

Native status: Native

Distribution: Zone 3

Ophioglossum rubellum A. Braun..

Materials

- a. scientificName: *Ophioglossum rubellum* A. Braun.; namePublishedIn: Kuhn, Fil. Afr. 179 (1868); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Ophioglossales; family: Ophioglossaceae; genus: *Ophioglossum*; specificEpithet: *rubellum*; scientificNameAuthorship: A. Braun.; continent: Africa; country: Togo; countryCode: TG; locality: Akodessewa; verbatimElevation: 182; verbatimSRS: WGS84; decimalLatitude: 7.4333333; decimalLongitude: 1.4166667; geodeticDatum: WGS84; eventDate: 07-01-89; habitat: Wooded savannah; catalogNumber: 12378; recordNumber: 2023 bis; recordedBy: Akpagana, K.; identifiedBy: K. Akpagana; dateIdentified: 07-01-89; institutionID: Herbarium Togoense; collectionID: Akpagana, K.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: AFF606A5-717E-53F1-871E-D91ABF1737CB
- b. scientificName: *Ophioglossum rubellum* A. Braun.; namePublishedIn: Kuhn, Fil. Afr. 179 (1868); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Ophioglossales; family: Ophioglossaceae; genus: *Ophioglossum*; specificEpithet: *rubellum*; scientificNameAuthorship: A. Braun.; continent: Africa; country: Togo; countryCode: TG; locality: Atchakoe; verbatimElevation: 160; verbatimSRS: WGS84; decimalLatitude: 7.4333333; decimalLongitude: 1.4166667; geodeticDatum: WGS84; eventDate: 07-01-89; habitat: Wooded savannah; catalogNumber: 12379; recordNumber: 2024 bis; recordedBy: Akpagana, K.; identifiedBy: K. Akpagana; dateIdentified: 07-01-89; institutionID: Herbarium Togoense; collectionID: Akpagana, K.; institutionCode: TOGO;

basisOfRecord: Preserved specimen; occurrenceID:
F62EE6CB-88B0-5C4E-8B59-41801C2B7873

Native status: Native

Distribution: Zone 3

Subclass Polypodiidae

Order Cyatheaales

Family Cyatheaceae

Alsophila camerooniana (Hook.) R. M. Tryon

Materials

- a. scientificName: *Alsophila camerooniana* (Hook.) R. M. Tryon; namePublishedIn: Contr. Gray Herb. 200: 30 (1970); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Cyatheaales; family: Cyatheaceae; genus: *Alsophila*; specificEpithet: *camerooniana*; scientificNameAuthorship: (Hook.) R. M. Tryon; continent: Africa; country: Togo; countryCode: TG; locality: Danyi Gbaladzé; verbatimElevation: 799; verbatimSRS: WGS84; decimalLatitude: 7.207184; decimalLongitude: 0.731346; geodeticDatum: WGS84; eventDate: 10-01-16; habitat: Rainforest; recordNumber: AB0357; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 10-01-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: D7A52256-048B-5CDC-96E6-F9060616DB44
- b. scientificName: *Alsophila camerooniana* (Hook.) R. M. Tryon; namePublishedIn: Contr. Gray Herb. 200: 30 (1970); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Cyatheaales; family: Cyatheaceae; genus: *Alsophila*; specificEpithet: *camerooniana*; scientificNameAuthorship: (Hook.) R. M. Tryon; continent: Africa; country: Togo; countryCode: TG; locality: Danyi Dzogbégan; verbatimElevation: 722; verbatimSRS: WGS84; decimalLatitude: 7.23171; decimalLongitude: 0.677705; geodeticDatum: WGS84; eventDate: 12-27-16; habitat: Rainforest; recordNumber: AB0423; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 12-27-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: AE57B136-3022-522A-861A-989ECB11B250
- c. scientificName: *Alsophila camerooniana* (Hook.) R. M. Tryon; namePublishedIn: Contr. Gray Herb. 200: 30 (1970); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Cyatheaales; family: Cyatheaceae; genus: *Alsophila*; specificEpithet: *camerooniana*; scientificNameAuthorship: (Hook.) R. M. Tryon; continent: Africa; country: Togo; countryCode: TG; locality: Gbadi Gawodo; verbatimElevation: 636; verbatimSRS: WGS84; decimalLatitude: 7.484655; decimalLongitude: 0.766314; geodeticDatum: WGS84; eventDate: 04-26-17; habitat: Rainforest; recordNumber: AB0512; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 04-26-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO;

basisOfRecord: Preserved specimen; occurrenceID: 4F0DDF9E-9A93-567D-9241-C107FAD6577F

Native status: Native

Distribution: Zone 4

Order Gleicheniales

Family Gleicheniaceae

Dicranopteris linearis (Burm.f.) Underw.

Materials

- a. scientificName: *Dicranopteris linearis* (Burm.f.) Underw.; namePublishedIn: Bull. Torrey Bot. Cl. 34: 249 (1907); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Gleicheniales; family: Gleicheniaceae; genus: *Dicranopteris*; specificEpithet: *linearis*; scientificNameAuthorship: (Burm.f.) Underw.; continent: Africa; country: Togo; countryCode: TG; locality: Kouma Apoti; verbatimElevation: 684; verbatimSRS: WGS84; decimalLatitude: 6.980898; decimalLongitude: 0.562334; geodeticDatum: WGS84; eventDate: 01-25-18; habitat: Rainforest; recordNumber: AB0613; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 01-25-18; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 35C6FB95-86A1-5D01-A7E5-20912B81422B
- b. scientificName: *Dicranopteris linearis* (Burm.f.) Underw.; namePublishedIn: Bull. Torrey Bot. Cl. 34: 249 (1907); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Gleicheniales; family: Gleicheniaceae; genus: *Dicranopteris*; specificEpithet: *linearis*; scientificNameAuthorship: (Burm.f.) Underw.; continent: Africa; country: Togo; countryCode: TG; locality: Agomé Pédo; verbatimElevation: 712; verbatimSRS: WGS84; decimalLatitude: 6.934271; decimalLongitude: 0.570366; geodeticDatum: WGS84; eventDate: 01-26-18; habitat: Rainforest; recordNumber: AB0614; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 01-26-18; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 101E08C7-3AB7-5856-AF4D-D8F6EE5ADFD2

Native status: Native

Distribution: Zone 4

Order Hymenophyllales

Family Hymenophyllaceae

***Crepidomanes africanum* (Christ) Ebihara & Dubuisson**

Material

- a. scientificName: *Crepidomanes africanum* (Christ) Ebihara & Dubuisson; namePublishedIn: *Blumea* 51(2): 238 (2006); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Hymenophyllales; family: Hymenophyllaceae; genus: *Crepidomanes*; specificEpithet: africanum; scientificNameAuthorship: (Christ) Ebihara & Dubuisson; continent: Africa; country: Togo; countryCode: TG; locality: Danyi Dzogbégan; verbatimElevation: 715; verbatimSRS: WGS84; decimalLatitude: 7.232032; decimalLongitude: 0.677687; geodeticDatum: WGS84; eventDate: 04-24-17; habitat: Rainforest; recordNumber: AB0475; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 04-24-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 204CECC4-3F56-59FD-B1D5-A04381802F8E

Native status: Native

Distribution: Zone 4

***Crepidomanes minutum* (Blume) K. Iwats**

Material

- a. scientificName: *Crepidomanes minutum* (Blume) K. Iwats.; namePublishedIn: *J. Fac. Sci. Univ. Tokyo, Sect. 3, Bot.* 13(5): 524 (1985); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Hymenophyllales; family: Hymenophyllaceae; genus: *Crepidomanes*; specificEpithet: minutum; scientificNameAuthorship: (Blume) K. Iwats.; continent: Africa; country: Togo; countryCode: TG; habitat: Rainforest; recordedBy: Roux, J.P.; basisOfRecord: Unknown; source: *Synopsis of the Lycopodiophyta and Pteridophyta of Africa, Madagascar and neighbouring islands* (Roux, 2009); occurrenceID: 0D034DC0-3C70-57B9-AE63-6F98F580AC2F

Native status: Native

Distribution: Zone 4

***Didymoglossum chamaedryis* (Taton) J. P. Roux**

Material

- a. scientificName: *Didymoglossum chamaedryis* (Taton) J. P. Roux; namePublishedIn: *Strelitzia* 23: 41 (2009); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Hymenophyllales; family: Hymenophyllaceae; genus: *Didymoglossum*; specificEpithet: chamaedryis; scientificNameAuthorship: (Taton) J. P. Roux; continent: Africa; country: Togo; countryCode: TG; locality: Akloa; verbatimElevation: 335; verbatimSRS: WGS84; decimalLatitude: 7.5833333; decimalLongitude: 0.6; geodeticDatum: WGS84; eventDate: 01-01-84; habitat: Rainforest; catalogNumber: 12215; recordNumber: 8142 bis; recordedBy: Brunel, J.-F.; identifiedBy: Brunel, J.-F.;

dateIdentified: 01-01-84; institutionID: Herbarium Togoense; collectionID: Brunel, J.-F.;
institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID:
9BFFDDBE-34C5-52B3-BD55-5A0DBAE92481

Native status: Native

Distribution: Zone 4

***Didymoglossum erosum* (Willd.) Beentje**

Material

- a. scientificName: *Didymoglossum erosum* (Willd.) Beentje; namePublishedIn: Fl. Trop. East Africa, Hymenophyllaceae: 13 (2008); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Hymenophyllales; family: Hymenophyllaceae; genus: *Didymoglossum*; specificEpithet: *erosum*; scientificNameAuthorship: (Willd.) Beentje; continent: Africa; country: Togo; countryCode: TG; habitat: Rainforest; recordedBy: Roux, J.P.; basisOfRecord: Unknown; source: Synopsis of the Lycopodiophyta and Pteridophyta of Africa, Madagascar and neighbouring islands (Roux, 2009); occurrenceID: BADB837F-00E5-5693-8F4A-C9308EAA6497

Native status: Native

Distribution: Zone 4

Order Osmundales

Family Osmundaceae

***Osmunda hilsenbergii* Hook. & Grev.**

Material

- a. scientificName: *Osmunda hilsenbergii* Hook. & Grev.; namePublishedIn: J. Bot. (Hook.) Kew Misc. 3: 230 (1833); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Osmundales; family: Osmundaceae; genus: *Osmunda*; specificEpithet: *hilsenbergii*; scientificNameAuthorship: Hook. & Grev.; continent: Africa; country: Togo; countryCode: TG; locality: Danyi Dzogbégan; verbatimElevation: 720; verbatimSRS: WGS84; decimalLatitude: 7.231747; decimalLongitude: 0.677667; geodeticDatum: WGS84; eventDate: 12-27-16; habitat: Rainforest; recordNumber: AB0425; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 12-27-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: ACBE93AB-0A90-5341-A574-FEA9B0B8EAF2

Native status: Native

Distribution: Zone 4

Order Polypodiales

Suborder Aspleniineae

Family Aspleniaceae

Asplenium aethiopicum (Burm.f.) Becherer

Materials

- a. scientificName: *Asplenium aethiopicum* (Burm. f.) Becherer; namePublishedIn: *Candollea* 6: 23 (1935); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Aspleniaceae; genus: *Asplenium*; specificEpithet: aethiopicum; scientificNameAuthorship: (Burm. f.) Becherer; continent: Africa; country: Togo; countryCode: TG; locality: Kuma Konda; verbatimElevation: 665; verbatimSRS: WGS84; decimalLatitude: 6.954179; decimalLongitude: 0.584052; geodeticDatum: WGS84; eventDate: 06-24-16; habitat: Rainforest; recordNumber: AB0071; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-24-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 109E3728-2B3D-5D75-BC72-17C6D2ACF922
- b. scientificName: *Asplenium aethiopicum* var. aethiopicum (Burm. f.) Becherer; namePublishedIn: *Candollea* 6: 23 (1935); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Aspleniaceae; genus: *Asplenium*; specificEpithet: aethiopicum; scientificNameAuthorship: (Burm. f.) Becherer; continent: Africa; country: Togo; countryCode: TG; locality: Agomé Yoh; verbatimElevation: 381; verbatimSRS: WGS84; decimalLatitude: 6.951669; decimalLongitude: 0.597757; geodeticDatum: WGS84; eventDate: 06-15-16; habitat: Rainforest; recordNumber: AB0061; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-15-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: EE3DFC7A-36E9-5574-9894-02DB7872BE63

Native status: Native

Distribution: Zone 4

Asplenium barteri Hook.

Material

- a. scientificName: *Asplenium barteri* Hook.; namePublishedIn: *A 2nd Cent. Ferns*, t. 75 (1861); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Aspleniaceae; genus: *Asplenium*; specificEpithet: barteri; scientificNameAuthorship: Hook.; continent: Africa; country: Togo; countryCode: TG; locality: Kouma; verbatimElevation: 670; verbatimSRS: WGS84; decimalLatitude: 6.954128; decimalLongitude: 0.584035; geodeticDatum: WGS84; eventDate: /12/1978; habitat: Rainforest; catalogNumber: 12186; recordNumber: 5751; recordedBy: Brunel, J.-F.; identifiedBy: Brunel, J.-F.; dateIdentified: /12/1978; institutionID: Herbarium Togoense; collectionID: Brunel, J.-F.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: E6D9B722-F008-54B1-AFFC-864A4CB1F428

Native status: Native

Distribution: Zone 4

***Asplenium biafranum* Alston & Ballard ex Ballard**

Materials

- a. scientificName: *Asplenium biafranum* Alston & Ballard ex Ballard; namePublishedIn: Hook., Ic. Pl. ser.5. 4: t. 3367 (1938); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Aspleniaceae; genus: *Asplenium*; specificEpithet: *biafranum*; scientificNameAuthorship: Alston & Ballard ex Ballard; continent: Africa; country: Togo; countryCode: TG; locality: Danyi N'Digbé, near Danyi Amégapé; verbatimElevation: 595; verbatimSRS: WGS84; decimalLatitude: 7.11577; decimalLongitude: 0.661522; geodeticDatum: WGS84; eventDate: 06-28-16; habitat: Rainforest; recordNumber: AB0137; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-28-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: A8EA5261-045F-507F-81A0-F6B8A0A0D24D
- b. scientificName: *Asplenium biafranum* Alston & Ballard ex Ballard; namePublishedIn: Hook., Ic. Pl. ser.5. 4: t. 3367 (1938); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Aspleniaceae; genus: *Asplenium*; specificEpithet: *biafranum*; scientificNameAuthorship: Alston & Ballard ex Ballard; continent: Africa; country: Togo; countryCode: TG; locality: Danyi Elavagnon; verbatimElevation: 778; verbatimSRS: WGS84; decimalLatitude: 7.2947; decimalLongitude: 0.7165; geodeticDatum: WGS84; eventDate: /10/1978; habitat: Rainforest; catalogNumber: 12170; recordNumber: 5499; recordedBy: Brunel, J.-F.; identifiedBy: Brunel, J.-F.; dateIdentified: /10/1978; institutionID: Herbarium Togoense; collectionID: Brunel, J.-F.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: B3934C1A-6BE5-5005-969F-6EBBF985C73D

Native status: Native

Distribution: Zone 4

***Asplenium blastophorum* Hieron.**

Material

- a. scientificName: *Asplenium blastophorum* Hieron.; namePublishedIn: Engl. Jahrb. 46: 378 (1911); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Aspleniaceae; genus: *Asplenium*; specificEpithet: *blastophorum*; scientificNameAuthorship: Hieron.; continent: Africa; country: Togo; countryCode: TG; habitat: Rainforest; recordedBy: Roux, J.P.; basisOfRecord: Unknown; source: Synopsis of the Lycopodiophyta and Pteridophyta of Africa, Madagascar and neighbouring islands (Roux, 2009); occurrenceID: 71FDB914-2F07-5498-9EB3-2A3F569B6B03

Native status: Native

Distribution: Zone 4

Asplenium buettneri Hieron. ex Brause

Materials

- a. scientificName: *Asplenium buettneri* Sem.; namePublishedIn: Deutsche Zentralafr. Exp. 2: 23 (1910); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polyodiales; family: Aspleniaceae; genus: *Asplenium*; specificEpithet: buettneri; scientificNameAuthorship: Hieron. ex Brause; continent: Africa; country: Togo; countryCode: TG; locality: Danyi N'Digbé; verbatimElevation: 704; verbatimSRS: WGS85; decimalLatitude: 7.114806; decimalLongitude: 0.657008; geodeticDatum: WGS84; eventDate: 06-28-16; habitat: Rainforest; recordNumber: AB0139; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-28-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 15366488-5888-5C3B-9EE3-44208B69657B
- b. scientificName: *Asplenium buettneri* Sem.; namePublishedIn: Deutsche Zentralafr. Exp. 2: 23 (1910); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polyodiales; family: Aspleniaceae; genus: *Asplenium*; specificEpithet: buettneri; scientificNameAuthorship: Hieron. ex Brause; continent: Africa; country: Togo; countryCode: TG; locality: Ediwlou; verbatimElevation: 614; verbatimSRS: WGS86; decimalLatitude: 7.409661; decimalLongitude: 0.681092; geodeticDatum: WGS84; eventDate: 04-25-17; habitat: Rainforest; recordNumber: AB0486; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 04-25-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 51F1B89A-6831-5D77-8413-1365AB254CB6
- c. scientificName: *Asplenium buettneri* Sem.; namePublishedIn: Deutsche Zentralafr. Exp. 2: 23 (1910); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polyodiales; family: Aspleniaceae; genus: *Asplenium*; specificEpithet: buettneri; scientificNameAuthorship: Hieron. ex Brause; continent: Africa; country: Togo; countryCode: TG; locality: Danyi N'Digbé; verbatimElevation: 681; verbatimSRS: WGS84; decimalLatitude: 7.153141; decimalLongitude: 0.666893; geodeticDatum: WGS84; eventDate: 06-27-16; habitat: Rainforest; recordNumber: AB0115; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-27-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 47691A36-2E6C-5417-A567-20252A401D98

Native status: Native

Distribution: Zone 4

Asplenium bulbiferum G.Forst.

Material

- a. scientificName: *Asplenium bulbiferum* G.Forst.; namePublishedIn: Prod. 80 (1786); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polyodiales; family: Aspleniaceae; genus: *Asplenium*; specificEpithet: bulbiferum; scientificNameAuthorship: G.Forst.; continent: Africa; country: Togo; countryCode: TG; locality: Lomé, in gardens; habitat: Gardens; recordedBy: Abotsi, K.E.; identifiedBy:

Abotsi, K.E.; basisOfRecord: Human observation; occurrenceID: C3996C1C-90E0-538D-973E-66FDC1CEA1DE

Native status: Not native

Distribution: In gardens

Asplenium currorii Hook.

Materials

- a. scientificName: *Asplenium currorii* Hook.; namePublishedIn: Sp. 3: 82 (1860); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Aspleniaceae; genus: *Asplenium*; specificEpithet: *currorii*; scientificNameAuthorship: Hook.; continent: Africa; country: Togo; countryCode: TG; locality: Danyi N'Digbé; verbatimElevation: 667; verbatimSRS: WGS84; decimalLatitude: 7.153288; decimalLongitude: 0.666538; geodeticDatum: WGS84; eventDate: 06-27-16; habitat: Rainforest; recordNumber: AB0121; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-27-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: D6349727-FFB2-5925-9319-A01D518D7EB4
- b. scientificName: *Asplenium currorii* Hook.; namePublishedIn: Sp. 3: 82 (1860); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Aspleniaceae; genus: *Asplenium*; specificEpithet: *currorii*; scientificNameAuthorship: Hook.; continent: Africa; country: Togo; countryCode: TG; locality: Diguengué; verbatimElevation: 428; verbatimSRS: WGS84; decimalLatitude: 8.071387; decimalLongitude: 0.641095; geodeticDatum: WGS84; eventDate: 10-06-16; habitat: Rainforest; recordNumber: AB0390; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 10-06-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: DEF6858F-4929-50D6-ABD2-C17D8684DB21
- c. scientificName: *Asplenium currorii* Hook.; namePublishedIn: Sp. 3: 82 (1860); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Aspleniaceae; genus: *Asplenium*; specificEpithet: *currorii*; scientificNameAuthorship: Hook.; continent: Africa; country: Togo; countryCode: TG; locality: Danyi Dzogbégan; verbatimElevation: 713; verbatimSRS: WGS84; decimalLatitude: 7.232297; decimalLongitude: 0.677372; geodeticDatum: WGS84; eventDate: 12-27-16; habitat: Rainforest; recordNumber: AB0414; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 12-27-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 78FC7C62-EB34-5E8D-84F4-A650C9ABECC1

Native status: Native

Distribution: Zone 4

Asplenium daucifolium Lam.

Material

- a. scientificName: *Asplenium daucifolium* Lam.; namePublishedIn: *Encycl.* 2: 310 (1786); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Aspleniaceae; genus: *Asplenium*; specificEpithet: *daucifolium*; scientificNameAuthorship: Lam.; continent: Africa; country: Togo; countryCode: TG; locality: Lomé, in gardens; habitat: Gardens; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; basisOfRecord: Human observation; occurrenceID: D3C72AC5-0E63-5049-94B9-1757FFACFCB5

Native status: Not native

Distribution: In gardens

Asplenium diplaziosorum Hieron.

Materials

- a. scientificName: *Asplenium diplaziosorum* Hieron.; namePublishedIn: *Engl. Jahrb.* 46: 351 (1911) (*diplaziosorum*); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Aspleniaceae; genus: *Asplenium*; specificEpithet: *diplaziosorum*; scientificNameAuthorship: Hieron.; continent: Africa; country: Togo; countryCode: TG; locality: Danyi N'Digbé, Bavé area; verbatimElevation: 600; verbatimSRS: WGS84; decimalLatitude: 7.122676; decimalLongitude: 0.651209; geodeticDatum: WGS84; eventDate: /03/1987; habitat: Rainforest; catalogNumber: 12183; recordNumber: 1529; recordedBy: Akpagana, K.; identifiedBy: K. Akpagana; dateIdentified: /03/1987; institutionID: Herbarium Togoense; collectionID: Akpagana, K.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 21080EDA-45FB-524D-A311-1B04EEBDE889
- b. scientificName: *Asplenium diplaziosorum* Hieron.; namePublishedIn: *Engl. Jahrb.* 46: 351 (1911) (*diplaziosorum*); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Aspleniaceae; genus: *Asplenium*; specificEpithet: *diplaziosorum*; scientificNameAuthorship: Hieron.; continent: Africa; country: Togo; countryCode: TG; locality: Danyi N'Digbé, river Fufu; verbatimElevation: 717; verbatimSRS: WGS84; decimalLatitude: 7.146703; decimalLongitude: 0.675793; geodeticDatum: WGS84; eventDate: /03/1987; habitat: Rainforest; catalogNumber: 12184; recordNumber: 1502; recordedBy: Akpagana, K.; identifiedBy: K. Akpagana; dateIdentified: /03/1987; institutionID: Herbarium Togoense; collectionID: Akpagana, K.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: FDB31211-8F22-5C2A-BA37-7C2F3B01DDEE

Native status: Native

Distribution: Zone 4

Asplenium dregeanum Kunze

Materials

- a. scientificName: *Asplenium dregeanum* Kunze; namePublishedIn: Linn. 10: 517 (1836); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Aspleniaceae; genus: *Asplenium*; specificEpithet: dregeanum; scientificNameAuthorship: Kunze; continent: Africa; country: Togo; countryCode: TG; locality: Mt Agou, Kébo-Dzignbé; verbatimElevation: 928; verbatimSRS: WGS84; decimalLatitude: 6.870528; decimalLongitude: 0.748695; geodeticDatum: WGS84; eventDate: 12-26-16; habitat: Rainforest; recordNumber: AB0408; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 12-26-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 5C58E815-89DF-5ABA-8364-483552D10662
- b. scientificName: *Asplenium dregeanum* Kunze; namePublishedIn: Linn. 10: 517 (1836); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Aspleniaceae; genus: *Asplenium*; specificEpithet: dregeanum; scientificNameAuthorship: Kunze; continent: Africa; country: Togo; countryCode: TG; locality: Mt Agou, Kébo-Dzignbé; verbatimElevation: 868; verbatimSRS: WGS84; decimalLatitude: 6.869505505; decimalLongitude: 0.748776409; geodeticDatum: WGS84; eventDate: 04-16-13; habitat: Rainforest; recordNumber: ASM 0320; recordedBy: Abotsi, K.E., Sodjinou E. & Mingou P.; identifiedBy: Abotsi, K.E.; dateIdentified: 04-16-13; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 71DB9739-E3F6-56E5-951E-1C62505186B1
- c. scientificName: *Asplenium dregeanum* Kunze; namePublishedIn: Linn. 10: 517 (1836); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Aspleniaceae; genus: *Asplenium*; specificEpithet: dregeanum; scientificNameAuthorship: Kunze; continent: Africa; country: Togo; countryCode: TG; locality: Mt Agou, Kébo-Dzignbé; verbatimElevation: 879; verbatimSRS: WGS84; decimalLatitude: 6.870573617; decimalLongitude: 0.747170511; geodeticDatum: WGS84; eventDate: 04-16-13; habitat: Rainforest; recordNumber: ASM 0322; recordedBy: Abotsi, K.E., Sodjinou E. & Mingou P.; identifiedBy: Abotsi, K.E.; dateIdentified: 04-16-13; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: E80DE523-9308-526B-9C89-6A80A93F84C5

Native status: Native

Distribution: Zone 4

Asplenium emarginatum P.Beauv.

Materials

- a. scientificName: *Asplenium emarginatum* P.Beauv.; namePublishedIn: Flore d'Oware et de Bénin 2, 11: 6, pl. 61 (18 Apr. 1808); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Aspleniaceae; genus: *Asplenium*; specificEpithet: emarginatum; scientificNameAuthorship: P.Beauv.; continent: Africa;

- country: Togo; countryCode: TG; locality: Danyi N'Digbé; verbatimElevation: 521; verbatimSRS: WGS84; decimalLatitude: 7.123263; decimalLongitude: 0.652707; geodeticDatum: WGS84; eventDate: 06-28-16; habitat: Rainforest; recordNumber: AB0142; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-28-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 4C191BD4-1D68-50BB-9D28-E1FDEF75307C
- b. scientificName: *Asplenium emarginatum* P.Beauv.; namePublishedIn: Flore d'Oware et de Bénin 2,11: 6, pl. 61 (18 Apr. 1808); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Aspleniaceae; genus: *Asplenium*; specificEpithet: *emarginatum*; scientificNameAuthorship: P.Beauv.; continent: Africa; country: Togo; countryCode: TG; locality: Gbadi N'Kugna; verbatimElevation: 679; verbatimSRS: WGS84; decimalLatitude: 7.4541; decimalLongitude: 0.70565; geodeticDatum: WGS84; eventDate: 04-25-17; habitat: Rainforest; recordNumber: AB0503; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 04-25-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: DC2EB96E-02B8-5832-9893-6AF3264FEFF0
- c. scientificName: *Asplenium emarginatum* P.Beauv.; namePublishedIn: Flore d'Oware et de Bénin 2,11: 6, pl. 61 (18 Apr. 1808); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Aspleniaceae; genus: *Asplenium*; specificEpithet: *emarginatum*; scientificNameAuthorship: P.Beauv.; continent: Africa; country: Togo; countryCode: TG; locality: Gbadi Gawodo; verbatimElevation: 638; verbatimSRS: WGS84; decimalLatitude: 7.484707; decimalLongitude: 0.766359; geodeticDatum: WGS84; eventDate: 04-26-17; habitat: Rainforest; recordNumber: AB0509; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 04-26-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: CCAE6B24-DD8C-57EA-BC1C-A1DE8B78B1CD

Native status: Native

Distribution: Zone 4

***Asplenium formosum* Willd.**

Materials

- a. scientificName: *Asplenium formosum* Willd.; namePublishedIn: Linn. Sp. Pl. ed. 4, 5: 329 (1810); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Aspleniaceae; genus: *Asplenium*; specificEpithet: *formosum*; scientificNameAuthorship: Willd.; continent: Africa; country: Togo; countryCode: TG; locality: Agou Kébo-Dzigbé; verbatimElevation: 765; verbatimSRS: WGS84; decimalLatitude: 6.863409; decimalLongitude: 0.75644; geodeticDatum: WGS84; eventDate: 06-14-16; habitat: Rainforest; recordNumber: AB0038; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-14-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 93A95200-B17A-5FE9-9E58-5157EDAB4A3F
- b. scientificName: *Asplenium formosum* Willd.; namePublishedIn: Linn. Sp. Pl. ed. 4, 5: 329 (1810); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Aspleniaceae; genus: *Asplenium*; specificEpithet: *formosum*;

scientificNameAuthorship: Willd.; continent: Africa; country: Togo; countryCode: TG; locality: Agomé Yoh; verbatimElevation: 463; verbatimSRS: WGS84; decimalLatitude: 6.952098; decimalLongitude: 0.590288; geodeticDatum: WGS84; eventDate: 06-15-16; habitat: Rainforest; recordNumber: AB0051; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-15-16; institutionID: Herbarium Togoense; collectionID: B3DD1A6B-F553-520A-9FC3-491A7BEE2582

- c. scientificName: *Asplenium formosum* Willd.; namePublishedIn: Linn. Sp. Pl. ed. 4, 5: 329 (1810); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Aspleniaceae; genus: *Asplenium*; specificEpithet: *formosum*; scientificNameAuthorship: Willd.; continent: Africa; country: Togo; countryCode: TG; locality: Kuma Konda; verbatimElevation: 661; verbatimSRS: WGS84; decimalLatitude: 6.954178; decimalLongitude: 0.584035; geodeticDatum: WGS84; eventDate: 06-24-16; habitat: Rainforest; recordNumber: AB0072; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-24-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 2E6F4AF9-2E2C-58C5-A735-6F513C4E50FA

Native status: Native

Distribution: Zones 2 and 4

***Asplenium hemitomum* Hieron.**

Material

- a. scientificName: *Asplenium hemitomum* Hieron.; namePublishedIn: Engl. Jahrb. 46: 365 (1911); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Aspleniaceae; genus: *Asplenium*; specificEpithet: *hemitomum*; scientificNameAuthorship: Hieron.; continent: Africa; country: Togo; countryCode: TG; locality: Danyi Elavagnon; verbatimElevation: 769; verbatimSRS: WGS84; decimalLatitude: 7.2904; decimalLongitude: 0.707708; geodeticDatum: WGS84; eventDate: /07/1987; habitat: Rainforest; catalogNumber: 12213; recordNumber: 1788; recordedBy: Akpagana, K.; identifiedBy: K. Akpagana; dateIdentified: /07/1987; institutionID: Herbarium Togoense; collectionID: Akpagana, K.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 4E5DC980-EA4A-5A0C-A6A2-B47466DD9012

Native status: Native

Distribution: Zone 4

***Asplenium inaequilaterale* Bory ex Willd.**

Materials

- a. scientificName: *Asplenium inaequilaterale* Bory ex Willd.; namePublishedIn: Linn. Sp. Pl. ed. 4, 5: 322 (1810); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Aspleniaceae; genus: *Asplenium*; specificEpithet: *inaequilaterale*; scientificNameAuthorship: Bory ex Willd.; continent: Africa; country: Togo; countryCode: TG; locality: Dikpéléou; verbatimElevation: 723; verbatimSRS: WGS84;

decimalLatitude: 8.196159386; decimalLongitude: 0.616072241; geodeticDatum: WGS84; eventDate: 05-09-13; habitat: Rainforest; recordNumber: ASM 0155; recordedBy: Abotsi, K.E., Sodjinou E. & Mingou P.; identifiedBy: Abotsi, K.E.; dateIdentified: 05-09-13; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: B0FB8067-1380-58DB-AB25-C1EACECB92BC

- b. scientificName: *Asplenium inaequilaterale* Bory ex Willd.; namePublishedIn: Linn. Sp. Pl. ed. 4, 5: 322 (1810); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Aspleniaceae; genus: *Asplenium*; specificEpithet: *inaequilaterale*; scientificNameAuthorship: Bory ex Willd.; continent: Africa; country: Togo; countryCode: TG; locality: Assoukoko forest reserve, river Kpakrassou; verbatimElevation: 397; verbatimSRS: WGS84; decimalLatitude: 8.015147099; decimalLongitude: 0.633241708; geodeticDatum: WGS84; eventDate: 05-11-13; habitat: Rainforest; recordNumber: ASM 0171; recordedBy: Abotsi, K.E., Sodjinou E. & Mingou P.; identifiedBy: Abotsi, K.E.; dateIdentified: 05-11-13; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 3D0303C6-BB3D-57A9-A3AF-EE2632AB2FD8
- c. scientificName: *Asplenium inaequilaterale* Bory ex Willd.; namePublishedIn: Linn. Sp. Pl. ed. 4, 5: 322 (1810); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Aspleniaceae; genus: *Asplenium*; specificEpithet: *inaequilaterale*; scientificNameAuthorship: Bory ex Willd.; continent: Africa; country: Togo; countryCode: TG; locality: Assoukoko forest reserve, river Kpakrassou; verbatimElevation: 397; verbatimSRS: WGS84; decimalLatitude: 8.015147099; decimalLongitude: 0.633241708; geodeticDatum: WGS84; eventDate: 05-11-13; habitat: Rainforest; recordNumber: ASM 0172; recordedBy: Abotsi, K.E., Sodjinou E. & Mingou P.; identifiedBy: Abotsi, K.E.; dateIdentified: 05-11-13; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 40208D84-C8FA-576E-B28B-785EAC4D4627

Native status: Native

Distribution: Zone 4

***Asplenium longicauda* Hook.**

Material

- a. scientificName: *Asplenium longicauda* Hook.; namePublishedIn: 2. Cent. Ferns, t. 69 (1861); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Aspleniaceae; genus: *Asplenium*; specificEpithet: *longicauda*; scientificNameAuthorship: Hook.; continent: Africa; country: Togo; countryCode: TG; locality: Agomé Yoh; verbatimElevation: 355; verbatimSRS: WGS84; decimalLatitude: 6.949376; decimalLongitude: 0.596927; geodeticDatum: WGS84; eventDate: 12-29-16; habitat: Rainforest; recordNumber: AB0451; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 12-29-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 206A1441-11DE-5B3B-9A16-092040D527A1

Native status: Native

Distribution: Zone 4

Asplenium megalura Hieron.

Material

- a. scientificName: *Asplenium megalura* Hieron.; namePublishedIn: Deutsche Zentralaf. Exp. 2: 17 (1910); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polydiales; family: Aspleniaceae; genus: *Asplenium*; specificEpithet: megalura; scientificNameAuthorship: Hieron.; continent: Africa; country: Togo; countryCode: TG; locality: Danyi Dzogbégan; verbatimElevation: 715; verbatimSRS: WGS84; decimalLatitude: 7.232035; decimalLongitude: 0.677682; geodeticDatum: WGS84; eventDate: 04-24-17; habitat: Rainforest; recordNumber: AB0473; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 04-24-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 82068859-AEF9-5DF1-8F2F-32012F6DDDE3

Native status: Native

Distribution: Zone 4

Asplenium nidus L.

Material

- a. scientificName: *Asplenium nidus* L.; namePublishedIn: Sp. 2: 1079 (1753); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polydiales; family: Aspleniaceae; genus: *Asplenium*; specificEpithet: nidus; scientificNameAuthorship: L.; continent: Africa; country: Togo; countryCode: TG; locality: Lomé, in gardens; habitat: Gardens; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; basisOfRecord: Human observation; occurrenceID: C4381074-565F-5021-8348-E30C4194AD95

Native status: Not native

Distribution: In gardens

Asplenium stuhlmannii Hieron.

Material

- a. scientificName: *Asplenium stuhlmannii* Hieron.; namePublishedIn: Engl., Pflw. Ostaf. C: 83 (1895); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polydiales; family: Aspleniaceae; genus: *Asplenium*; specificEpithet: stuhlmannii; scientificNameAuthorship: Hieron.; continent: Africa; country: Togo; countryCode: TG; locality: Akébou mountain; verbatimElevation: 452; verbatimSRS: WGS84; decimalLatitude: 7.702966; decimalLongitude: 0.72096; geodeticDatum: WGS84; eventDate: /02/1991; habitat: Rainforest; catalogNumber: 12215; recordNumber: 2142; recordedBy: Akpagana, K.; identifiedBy: K. Akpagana; dateIdentified: /02/1991; institutionID: Herbarium Togoense; collectionID: Akpagana, K.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 930C743B-DA4F-5F56-BD4F-9B7134D34E18

Native status: Native

Distribution: Zone 4

***Asplenium uhligii* Hieron.**

Material

- a. scientificName: *Asplenium uhligii* Hieron.; namePublishedIn: Engl. Jahrb. 441. 374 (1911); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Aspleniaceae; genus: *Asplenium*; specificEpithet: uhligii; scientificNameAuthorship: Hieron.; continent: Africa; country: Togo; countryCode: TG; habitat: Rainforest; recordedBy: Roux, J.P.; basisOfRecord: Unknown; source: Synopsis of the Lycopodiophyta and Pteridophyta of Africa, Madagascar and neighbouring islands (Roux, 2009); occurrenceID: 7206F01B-696D-5186-96D2-02742125CE8B

Native status: Native

Distribution: Zone 4

***Asplenium variabile* var. *paucijugum* (Ballard) Alston**

Materials

- a. scientificName: *Asplenium variabile* Hook. var. *paucijugum* (Ballard) Alston; namePublishedIn: Sp. 8: 93, t. 185 (1860); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Aspleniaceae; taxonRank: Variety; genus: *Asplenium*; specificEpithet: *variabile*; infraspecificEpithet: *paucijugum*; scientificNameAuthorship: (Ballard) Alston; continent: Africa; country: Togo; countryCode: TG; locality: Ona; verbatimElevation: 611; verbatimSRS: WGS84; decimalLatitude: 7.512907; decimalLongitude: 0.76419; geodeticDatum: WGS84; eventDate: 04-26-17; habitat: Rainforest; recordNumber: AB0520; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 04-26-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 1E82D43B-50D6-5F30-8194-34AF824675E2
- b. scientificName: *Asplenium variabile* Hook. var. *paucijugum* (Ballard) Alston; namePublishedIn: Sp. 8: 93, t. 185 (1860); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Aspleniaceae; taxonRank: Variety; genus: *Asplenium*; specificEpithet: *variabile*; infraspecificEpithet: *paucijugum*; scientificNameAuthorship: (Ballard) Alston; continent: Africa; country: Togo; countryCode: TG; locality: Danyi N'Digbé; verbatimElevation: 581; verbatimSRS: WGS84; decimalLatitude: 7.115811; decimalLongitude: 0.66138; geodeticDatum: WGS84; eventDate: 06-28-16; habitat: Rainforest; recordNumber: AB0136; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-28-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 5D923793-BF31-5227-BF04-4EEC65DF2CF4

Native status: Native

Distribution: Zone 4

***Asplenium variabile* var. *variabile* Hook.**

Materials

- a. scientificName: *Asplenium variabile* Hook. var. *variabile* Hook.; namePublishedIn: Bol. Soc. Brot. ser. 2, 30: 7 (1956); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Aspleniaceae; taxonRank: Variety; genus: *Asplenium*; specificEpithet: *variabile*; infraspecificEpithet: *variabile*; scientificNameAuthorship: Hook.; continent: Africa; country: Togo; countryCode: TG; locality: Danyi N'Digbé; verbatimElevation: 704; verbatimSRS: WGS84; decimalLatitude: 7.133; decimalLongitude: 0.669777; geodeticDatum: WGS84; eventDate: /02/1987; habitat: Rainforest; catalogNumber: 12222; recordNumber: 1379; recordedBy: Akpagana, K.; identifiedBy: K. Akpagana; dateIdentified: /02/1987; institutionID: Herbarium Togoense; collectionID: Akpagana, K.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 41F71CE7-2662-50D9-80EC-C9A455AE1803
- b. scientificName: *Asplenium variabile* Hook. var. *variabile* Hook.; namePublishedIn: Bol. Soc. Brot. ser. 2, 30: 7 (1956); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Aspleniaceae; taxonRank: Variety; genus: *Asplenium*; specificEpithet: *variabile*; infraspecificEpithet: *variabile*; scientificNameAuthorship: Hook.; continent: Africa; country: Togo; countryCode: TG; locality: Gbadi N'Kugna; verbatimElevation: 679; verbatimSRS: WGS84; decimalLatitude: 7.4541; decimalLongitude: 0.70565; geodeticDatum: WGS84; eventDate: /03/1987; habitat: Rainforest; catalogNumber: 12223; recordNumber: 1479; recordedBy: Akpagana, K.; identifiedBy: K. Akpagana; dateIdentified: /03/1987; institutionID: Herbarium Togoense; collectionID: Akpagana, K.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 2DBA8804-73CF-54ED-81BA-E7FCBEEBA685
- c. scientificName: *Asplenium variabile* Hook. var. *variabile* Hook.; namePublishedIn: Bol. Soc. Brot. ser. 2, 30: 7 (1956); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Aspleniaceae; taxonRank: Variety; genus: *Asplenium*; specificEpithet: *variabile*; infraspecificEpithet: *variabile*; scientificNameAuthorship: Hook.; continent: Africa; country: Togo; countryCode: TG; locality: Danyi N'Digbé; verbatimElevation: 715; verbatimSRS: WGS84; decimalLatitude: 7.144703; decimalLongitude: 0.67574; geodeticDatum: WGS84; eventDate: /03/1987; habitat: Rainforest; catalogNumber: 12224; recordNumber: 1562; recordedBy: Akpagana, K.; identifiedBy: K. Akpagana; dateIdentified: /03/1987; institutionID: Herbarium Togoense; collectionID: Akpagana, K.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 18F42F8E-D260-5DD5-9900-B3196827E073

Native status: Native

Distribution: Zone 4

***Hymenasplenium unilaterale* (Lam.) Hayata**

Material

- a. scientificName: *Hymenasplenium unilaterale* (Lam.) Hayata; namePublishedIn: Bot. Mag. (Tokyo) 41: 712 (1927); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Aspleniaceae; genus: *Hymenasplenium*; specificEpithet:

unilaterale; scientificNameAuthorship: (Lam.) Hayata; continent: Africa; country: Togo; countryCode: TG; locality: Agomé Yoh; verbatimElevation: 350; verbatimSRS: WGS84; decimalLatitude: 6.949431; decimalLongitude: 0.596989; geodeticDatum: WGS84; eventDate: 12-29-16; habitat: Rainforest; recordNumber: AB0450; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 12-29-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 6AFDBF51-9C7A-5F12-9053-04D6D4948D3D

Native status: Native

Distribution: Zone 4

Family Athyriaceae

Diplazium proliferum (Lam.) Thou.

Materials

- a. scientificName: *Diplazium proliferum* (Lam.) Thou.; namePublishedIn: Fl. Trist. d'Ac. 35 (1804); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Athyriaceae; genus: *Diplazium*; specificEpithet: *proliferum*; scientificNameAuthorship: (Lam.) Thou.; continent: Africa; country: Togo; countryCode: TG; locality: Yégué, river Atedia; verbatimElevation: 598; verbatimSRS: WGS84; decimalLatitude: 8.175000518; decimalLongitude: 0.659176219; geodeticDatum: WGS84; eventDate: 05-08-13; habitat: Rainforest; recordNumber: ASM 0124B; recordedBy: Abotsi, K.E., Sodjinou E. & Mingou P.; identifiedBy: Abotsi, K.E.; dateIdentified: 05-08-13; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: A35A6628-4AED-5716-BB52-837AA9F27487
- b. scientificName: *Diplazium proliferum* (Lam.) Thou.; namePublishedIn: Fl. Trist. d'Ac. 35 (1804); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Athyriaceae; genus: *Diplazium*; specificEpithet: *proliferum*; scientificNameAuthorship: (Lam.) Thou.; continent: Africa; country: Togo; countryCode: TG; locality: Assoukoko forest reserve, river N'Gobo; verbatimElevation: 404; verbatimSRS: WGS84; decimalLatitude: 8.016297839; decimalLongitude: 0.632174175; geodeticDatum: WGS84; eventDate: 05-11-13; habitat: Rainforest; recordNumber: ASM 0186; recordedBy: Abotsi, K.E., Sodjinou E. & Mingou P.; identifiedBy: Abotsi, K.E.; dateIdentified: 05-11-13; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 6A639014-6947-52C6-B6DF-35CD7E8A8F0F
- c. scientificName: *Diplazium proliferum* (Lam.) Thou.; namePublishedIn: Fl. Trist. d'Ac. 35 (1804); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Athyriaceae; genus: *Diplazium*; specificEpithet: *proliferum*; scientificNameAuthorship: (Lam.) Thou.; continent: Africa; country: Togo; countryCode: TG; locality: Agou Kébo-Dalavé; verbatimElevation: 506; verbatimSRS: WGS84; decimalLatitude: 6.857501; decimalLongitude: 0.752499; geodeticDatum: WGS84; eventDate: 06-14-16; habitat: Rainforest; recordNumber: AB0026; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-14-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: B7B5B5C9-E597-5468-86D8-35D06BA03DA9

Native status: Native

Distribution: Zone 4

Family Thelypteridaceae

Christella dentata (Forssk.) Brownsey & Jermy

Materials

- a. scientificName: *Christella dentata* (Forssk.) Brownsey & Jermy; namePublishedIn: Brit. Fern Gaz. 10: 338 (1973); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Thelypteridaceae; genus: *Christella*; specificEpithet: *dentata*; scientificNameAuthorship: (Forssk.) Brownsey & Jermy; continent: Africa; country: Togo; countryCode: TG; locality: Danyi Kudzragan; verbatimElevation: 691; verbatimSRS: WGS84; decimalLatitude: 7.150072; decimalLongitude: 0.623726; geodeticDatum: WGS84; eventDate: 09-30-16; habitat: Rainforest; recordNumber: AB0335; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 09-30-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 215D8131-43BD-544B-95D0-B9850FE31932
- b. scientificName: *Christella dentata* (Forssk.) Brownsey & Jermy; namePublishedIn: Brit. Fern Gaz. 10: 338 (1973); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Thelypteridaceae; genus: *Christella*; specificEpithet: *dentata*; scientificNameAuthorship: (Forssk.) Brownsey & Jermy; continent: Africa; country: Togo; countryCode: TG; locality: Gbadi Gawodo; verbatimElevation: 640; verbatimSRS: WGS84; decimalLatitude: 7.484785; decimalLongitude: 0.766352; geodeticDatum: WGS84; eventDate: 04-26-17; habitat: Rainforest; recordNumber: AB0507; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 04-26-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 827DC4F0-8280-5E72-A76E-5F0E9FBF0D27
- c. scientificName: *Christella dentata* (Forssk.) Brownsey & Jermy; namePublishedIn: Brit. Fern Gaz. 10: 338 (1973); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Thelypteridaceae; genus: *Christella*; specificEpithet: *dentata*; scientificNameAuthorship: (Forssk.) Brownsey & Jermy; continent: Africa; country: Togo; countryCode: TG; locality: Souroukou; verbatimElevation: 239; verbatimSRS: WGS84; decimalLatitude: 8.755171; decimalLongitude: 0.684436; geodeticDatum: WGS84; eventDate: 07-15-17; habitat: Dry dense forest; recordNumber: AB0574; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 07-15-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: B93E3ADC-971A-5985-9E85-354BDF9F4127

Native status: Native

Distribution: Zones 2, 3 and 4

Christella guineensis (Christ) Holttum

Material

- a. scientificName: *Christella guineensis* (Christ) Holttum; namePublishedIn: J. S. Afr. Bot. 40: 145 (1974); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Thelypteridaceae; genus: *Christella*; specificEpithet: *guineensis*; scientificNameAuthorship: (Christ) Holttum; continent: Africa; country: Togo; countryCode: TG; locality: Danyi Dzogbégan; verbatimElevation: 786; verbatimSRS: WGS84; decimalLatitude: 7.236561041; decimalLongitude: 0.688195106; geodeticDatum: WGS84; eventDate: 04-10-13; habitat: Rainforest; recordNumber: ASM 0255; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 04-10-13; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 415DBDCD-D4A8-55F5-A91D-5C519A4C1E64

Native status: Native

Distribution: Zone 4

Cyclosorus interruptus (Willd.) H. Itô

Materials

- a. scientificName: *Cyclosorus interruptus* (Willd.) H. Itô; namePublishedIn: Bot. Mag. (Tokyo) 51: 714 (1937); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Thelypteridaceae; genus: *Cyclosorus*; specificEpithet: *interruptus*; scientificNameAuthorship: (Willd.) H. Itô; continent: Africa; country: Togo; countryCode: TG; locality: Danyi N'Digbé; verbatimElevation: 600; verbatimSRS: WGS84; decimalLatitude: 7.115773; decimalLongitude: 0.661284; geodeticDatum: WGS84; eventDate: 06-28-16; habitat: Coffee/cocoa based agroforest; recordNumber: AB0131; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-28-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 29E04CC1-64B0-5A96-A267-0A2B78F5BA1D
- b. scientificName: *Cyclosorus interruptus* (Willd.) H. Itô; namePublishedIn: Bot. Mag. (Tokyo) 51: 714 (1937); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Thelypteridaceae; genus: *Cyclosorus*; specificEpithet: *interruptus*; scientificNameAuthorship: (Willd.) H. Itô; continent: Africa; country: Togo; countryCode: TG; locality: Danyi Gbaladzé; verbatimElevation: 796; verbatimSRS: WGS84; decimalLatitude: 7.208385; decimalLongitude: 0.731784; geodeticDatum: WGS84; eventDate: 10-01-16; habitat: Rainforest; recordNumber: AB0351; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 10-01-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 280627B3-6E86-5EA2-B228-634A1339BC3F

Native status: Native

Distribution: Zone 4

Cyclosorus striatus (Schum.) Ching

Materials

- a. scientificName: *Cyclosorus striatus* (Schum.) Ching; namePublishedIn: Bull. Fan Mem. Inst. Biol. Bot. 10: 249 (1941); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Thelypteridaceae; genus: *Cyclosorus*; specificEpithet: *striatus*; scientificNameAuthorship: (Schum.) Ching; continent: Africa; country: Togo; countryCode: TG; locality: Aklakougan; verbatimElevation: 10; verbatimSRS: WGS84; decimalLatitude: 6.347992; decimalLongitude: 1.715628; geodeticDatum: WGS84; eventDate: 07-12-16; habitat: Mangrove; recordNumber: AB0151; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 07-12-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 08E39A92-A584-549E-80B1-66A62D5C34CD
- b. scientificName: *Cyclosorus striatus* (Schum.) Ching; namePublishedIn: Bull. Fan Mem. Inst. Biol. Bot. 10: 249 (1941); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Thelypteridaceae; genus: *Cyclosorus*; specificEpithet: *striatus*; scientificNameAuthorship: (Schum.) Ching; continent: Africa; country: Togo; countryCode: TG; locality: Volové; verbatimElevation: 224; verbatimSRS: WGS84; decimalLatitude: 6.887768; decimalLongitude: 0.619544; geodeticDatum: WGS84; eventDate: 08-02-16; habitat: Floating meadow; recordNumber: AB0175; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 08-02-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 411C8571-0BD5-571F-BB8E-1FE4ABCABE57
- c. scientificName: *Cyclosorus striatus* (Schum.) Ching; namePublishedIn: Bull. Fan Mem. Inst. Biol. Bot. 10: 249 (1941); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Thelypteridaceae; genus: *Cyclosorus*; specificEpithet: *striatus*; scientificNameAuthorship: (Schum.) Ching; continent: Africa; country: Togo; countryCode: TG; locality: Afito; verbatimElevation: 31; verbatimSRS: WGS84; decimalLatitude: 6.754644; decimalLongitude: 1.590446; geodeticDatum: WGS84; eventDate: 01-17-17; habitat: Floating meadow; recordNumber: AB0460; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 01-17-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: E115F0C8-C0B0-5807-8153-A2B1757A8636

Native status: Native

Distribution: Zones 4 and 5

Pneumatopteris afra (Christ) Holttum

Materials

- a. scientificName: *Pneumatopteris afra* (Christ) Holttum; namePublishedIn: Blumea 21: 306 (1973); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Thelypteridaceae; genus: *Pneumatopteris*; specificEpithet: *afra*; scientificNameAuthorship: (Christ) Holttum; continent: Africa; country: Togo; countryCode: TG; locality: Danyi N'Digbé; verbatimElevation: 687; verbatimSRS: WGS84;

- decimalLatitude: 7.150936; decimalLongitude: 0.672439; geodeticDatum: WGS84; eventDate: 06-27-16; habitat: Rainforest; recordNumber: AB0106; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-27-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 9AB017BD-A2D7-5F48-8CC4-2304EC168766
- b. scientificName: *Pneumatopteris afra* (Christ) Holttum; namePublishedIn: *Blumea* 21: 306 (1973); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Thelypteridaceae; genus: *Pneumatopteris*; specificEpithet: *afra*; scientificNameAuthorship: (Christ) Holttum; continent: Africa; country: Togo; countryCode: TG; locality: Akloa; verbatimElevation: 361; verbatimSRS: WGS84; decimalLatitude: 7.515003; decimalLongitude: 0.619685; geodeticDatum: WGS84; eventDate: 08-06-16; habitat: Rainforest; recordNumber: AB0242; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 08-06-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 73FC0E0B-9030-5E57-9841-62F51E1B665C
- c. scientificName: *Pneumatopteris afra* (Christ) Holttum; namePublishedIn: *Blumea* 21: 306 (1973); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Thelypteridaceae; genus: *Pneumatopteris*; specificEpithet: *afra*; scientificNameAuthorship: (Christ) Holttum; continent: Africa; country: Togo; countryCode: TG; locality: Ediwlou; verbatimElevation: 583; verbatimSRS: WGS84; decimalLatitude: 7.407942; decimalLongitude: 0.701539; geodeticDatum: WGS84; eventDate: 04-25-17; habitat: Coffee/cocoa based agroforest; recordNumber: AB0481; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 04-25-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 173AF90A-2573-509C-A91D-92349DE35DE6

Native status: Native

Distribution: Zone 4

Pneumatopteris oppositifolia (Hook.) Holttum

Materials

- a. scientificName: *Pneumatopteris oppositifolia* (Hook.) Holttum; namePublishedIn: *Blumea* 21: 304 (1973); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Thelypteridaceae; genus: *Pneumatopteris*; specificEpithet: *oppositifolia*; scientificNameAuthorship: (Hook.) Holttum; continent: Africa; country: Togo; countryCode: TG; locality: Kpimé Séva; verbatimElevation: 309; verbatimSRS: WGS84; decimalLatitude: 7.00841; decimalLongitude: 0.64558; geodeticDatum: WGS84; eventDate: 08-04-16; habitat: Rainforest; recordNumber: AB0197; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 08-04-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 8F74FC50-B113-5EE5-9DBF-C145EE48B84A
- b. scientificName: *Pneumatopteris oppositifolia* (Hook.) Holttum; namePublishedIn: *Blumea* 21: 304 (1973); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Thelypteridaceae; genus: *Pneumatopteris*; specificEpithet: *oppositifolia*; scientificNameAuthorship: (Hook.) Holttum; continent: Africa; country: Togo; countryCode: TG; locality: Agbo Kopé; verbatimElevation: 666; verbatimSRS: WGS84; decimalLatitude: 7.453796; decimalLongitude: 0.6768; geodeticDatum: WGS84; eventDate: 04-25-17; habitat: Rainforest; recordNumber: AB0494; recordedBy: Abotsi,

K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 04-25-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 97910199-60C1-55EA-A7AF-09621006FC94

- c. scientificName: *Pneumatopteris oppositifolia* (Hook.) Holttum; namePublishedIn: *Blumea* 21: 304 (1973); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Thelypteridaceae; genus: *Pneumatopteris*; specificEpithet: *oppositifolia*; scientificNameAuthorship: (Hook.) Holttum; continent: Africa; country: Togo; countryCode: TG; locality: Diomé; verbatimElevation: 272; verbatimSRS: WGS84; decimalLatitude: 8.584623; decimalLongitude: 1.306073; geodeticDatum: WGS84; eventDate: 07-18-17; habitat: Dry dense forest; recordNumber: AB0602; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 07-18-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 7CB5737A-4544-563E-8708-2C9D5E61864A

Native status: Native

Distribution: Zones 3 and 4

Pneumatopteris subpennigera (C. Chr.) Holttum

Material

- a. scientificName: *Pneumatopteris subpennigera* (C. Chr.) Holttum; namePublishedIn: *Blumea* 21: 304 (1973); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Thelypteridaceae; genus: *Pneumatopteris*; specificEpithet: *subpennigera*; scientificNameAuthorship: (C. Chr.) Holttum; continent: Africa; country: Togo; countryCode: TG; locality: Kouma Konda, "Campement Kloto"; verbatimElevation: 645; verbatimSRS: WGS84; decimalLatitude: 6.9415; decimalLongitude: 0.57489; geodeticDatum: WGS84; eventDate: /4/1981; habitat: Rainforest; catalogNumber: 12444; recordNumber: 41; recordedBy: Akpagana, K.; identifiedBy: K. Akpagana; dateIdentified: /4/1981; institutionID: Herbarium Togoense; collectionID: Akpagana, K.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 6F56A5CA-E509-5D4B-9761-615B5BEBEA29E

Native status: Native

Distribution: Zone 4

Suborder Dennstaedtiineae

Family Dennstaedtiaceae

Blotiella currorii (Hook.) R.M.Tryon

Materials

- a. scientificName: *Blotiella currorii* (Hook.) R.M.Tryon; namePublishedIn: *Contr. Gray Herb.* 191: 99 (1962); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Dennstaedtiaceae; genus: *Blotiella*; specificEpithet: *currorii*;

- scientificNameAuthorship: (Hook.) R.M.Tryon; continent: Africa; country: Togo; countryCode: TG; locality: Danyi Dzogbégan; verbatimElevation: 715; verbatimSRS: WGS84; decimalLatitude: 7.232104; decimalLongitude: 0.67749; geodeticDatum: WGS84; eventDate: 12-27-16; habitat: Rainforest; recordNumber: AB0417; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 12-27-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 63D48399-CCA7-58D2-80E5-F47E882CB1F0
- b. scientificName: *Blotiella currorii* (Hook.) R.M.Tryon; namePublishedIn: Contr. Gray Herb. 191: 99 (1962); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Dennstaedtiaceae; genus: *Blotiella*; specificEpithet: *currorii*; scientificNameAuthorship: (Hook.) R.M.Tryon; continent: Africa; country: Togo; countryCode: TG; locality: Danyi Afiadégnigba; verbatimElevation: 771; verbatimSRS: WGS84; decimalLatitude: 7.293651; decimalLongitude: 0.710834; geodeticDatum: WGS84; eventDate: 12-27-16; habitat: Rainforest; recordNumber: AB0431; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 12-27-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 9F84C417-9EC4-5AA2-AC23-1C6ED18912DC
- c. scientificName: *Blotiella currorii* (Hook.) R.M.Tryon; namePublishedIn: Contr. Gray Herb. 191: 99 (1962); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Dennstaedtiaceae; genus: *Blotiella*; specificEpithet: *currorii*; scientificNameAuthorship: (Hook.) R.M.Tryon; continent: Africa; country: Togo; countryCode: TG; locality: Agbo Kopé; verbatimElevation: 667; verbatimSRS: WGS84; decimalLatitude: 7.453814; decimalLongitude: 0.676844; geodeticDatum: WGS84; eventDate: 04-25-17; habitat: Rainforest; recordNumber: AB0488; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 04-25-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 75ADA038-1884-560B-A446-527BDB5FE7C2

Native status: Native

Distribution: Zone 4

Microlepia speluncae (L.) Moore

Materials

- a. scientificName: *Microlepia speluncae* (L.) Moore; namePublishedIn: Ind. Fil. 93 (1857); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Dennstaedtiaceae; genus: *Microlepia*; specificEpithet: *speluncae*; scientificNameAuthorship: (L.) Moore; continent: Africa; country: Togo; countryCode: TG; locality: Danyi N'Digbé; verbatimElevation: 695; verbatimSRS: WGS84; decimalLatitude: 7.150579; decimalLongitude: 0.672903; geodeticDatum: WGS84; eventDate: 06-27-16; habitat: Rainforest; recordNumber: AB0104; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-27-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 78EE380F-0972-5FD3-BB37-195CD990155F
- b. scientificName: *Microlepia speluncae* (L.) Moore; namePublishedIn: Ind. Fil. 93 (1857); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Dennstaedtiaceae; genus: *Microlepia*; specificEpithet: *speluncae*; scientificNameAuthorship: (L.) Moore; continent: Africa; country: Togo; countryCode: TG; locality: Akloa; verbatimElevation: 353; verbatimSRS: WGS84; decimalLatitude:

7.514951; decimalLongitude: 0.619469; geodeticDatum: WGS84; eventDate: 08-06-16; habitat: Rainforest; recordNumber: AB0243; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 08-06-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 77BEC9F9-5117-569C-ABF4-C12698F8E89E

- c. scientificName: *Microlepia speluncae* (L.) Moore; namePublishedIn: Ind. Fil. 93 (1857); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Dennstaedtiaceae; genus: *Microlepia*; specificEpithet: *speluncae*; scientificNameAuthorship: (L.) Moore; continent: Africa; country: Togo; countryCode: TG; locality: Assoukoko; verbatimElevation: 596; verbatimSRS: WGS84; decimalLatitude: 8.003764; decimalLongitude: 0.625461; geodeticDatum: WGS84; eventDate: 09-18-16; habitat: Rainforest; recordNumber: AB0314; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 09-18-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 1A2A4996-E2B0-5F8A-BA66-1D4B8A4121AD

Native status: Native

Distribution: Zone 4

Pteridium capense (Thunb.) Krasser

Materials

- a. scientificName: *Pteridium capense* (Thunb.) Krasser; namePublishedIn: Ann. Hofmus. Wien 15: 6 (1900); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Dennstaedtiaceae; genus: *Pteridium*; specificEpithet: *capense*; scientificNameAuthorship: (Thunb.) Krasser; continent: Africa; country: Togo; countryCode: TG; locality: Kuma Konda; verbatimElevation: 562; verbatimSRS: WGS84; decimalLatitude: 6.94931; decimalLongitude: 0.577096; geodeticDatum: WGS84; eventDate: 06-24-16; habitat: Wooded savannah; recordNumber: AB0081; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-24-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: DC563838-1599-5DEB-9E77-738510D75ED9
- b. scientificName: *Pteridium capense* (Thunb.) Krasser; namePublishedIn: Ann. Hofmus. Wien 15: 6 (1900); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Dennstaedtiaceae; genus: *Pteridium*; specificEpithet: *capense*; scientificNameAuthorship: (Thunb.) Krasser; continent: Africa; country: Togo; countryCode: TG; locality: Womé; verbatimElevation: 355; verbatimSRS: WGS84; decimalLatitude: 6.858877; decimalLongitude: 0.556633; geodeticDatum: WGS84; eventDate: 08-03-16; habitat: Wooded savannah; recordNumber: AB0196; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 08-03-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 78402F42-C982-510A-B82A-E64A7C57B00E
- c. scientificName: *Pteridium capense* (Thunb.) Krasser; namePublishedIn: Ann. Hofmus. Wien 15: 6 (1900); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Dennstaedtiaceae; genus: *Pteridium*; specificEpithet: *capense*; scientificNameAuthorship: (Thunb.) Krasser; continent: Africa; country: Togo; countryCode: TG; locality: Lalamila; verbatimElevation: 575; verbatimSRS: WGS84; decimalLatitude: 8.1645; decimalLongitude: 0.80856; geodeticDatum: WGS84; eventDate: 10-05-16; habitat: Fallow; recordNumber: AB0377; recordedBy: Abotsi, K.E.;

identifiedBy: Abotsi, K.E.; dateIdentified: 10-05-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 5F37EF7C-29AB-5B82-88B4-CF6A1374B8D4

Native status: Native

Distribution: Zone 4

Suborder Polypodiineae

Family Davalliaceae

Davallia chaerophylloides (Poir.) Steud.

Materials

- a. scientificName: *Davallia chaerophylloides* (Poir.) Steud.; namePublishedIn: Nom. 2. 146 (1824); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Davalliaceae; genus: *Davallia*; specificEpithet: *chaerophylloides*; scientificNameAuthorship: (Poir.) Steud.; continent: Africa; country: Togo; countryCode: TG; locality: Danyi Gbaladzé; verbatimElevation: 793; verbatimSRS: WGS84; decimalLatitude: 7.206387; decimalLongitude: 0.731235; geodeticDatum: WGS84; eventDate: 10-01-16; habitat: Coffee/cocoa based agroforest; recordNumber: AB0359; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 10-01-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: A3159B93-D983-5E4C-8BED-2FF480CF271F
- b. scientificName: *Davallia chaerophylloides* (Poir.) Steud.; namePublishedIn: Nom. 2. 146 (1824); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Davalliaceae; genus: *Davallia*; specificEpithet: *chaerophylloides*; scientificNameAuthorship: (Poir.) Steud.; continent: Africa; country: Togo; countryCode: TG; locality: Kuma Konda; verbatimElevation: 569; verbatimSRS: WGS84; decimalLatitude: 6.948921; decimalLongitude: 0.578765; geodeticDatum: WGS84; eventDate: 06-24-16; habitat: Rainforest; recordNumber: AB0085; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-24-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: DBE4EFFF-BFC0-55A9-9A6D-D6483E69A77C
- c. scientificName: *Davallia chaerophylloides* (Poir.) Steud.; namePublishedIn: Nom. 2. 146 (1824); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Davalliaceae; genus: *Davallia*; specificEpithet: *chaerophylloides*; scientificNameAuthorship: (Poir.) Steud.; continent: Africa; country: Togo; countryCode: TG; locality: Danyi N'Digbé; verbatimElevation: 760; verbatimSRS: WGS84; decimalLatitude: 7.138132; decimalLongitude: 0.674497; geodeticDatum: WGS84; eventDate: 06-28-16; habitat: Inhabited area, on a tree; recordNumber: AB0144; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-28-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 4737A869-355A-57EE-89E1-C56AF7A3EC4C

Native status: Native

Distribution: Zone 4

***Davallia trichomanoides* Blume**

Material

- a. scientificName: *Davallia trichomanoides* Blume; namePublishedIn: Enum. Pl. Javae 2: 238. (1828); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Davalliaceae; genus: *Davallia*; specificEpithet: *trichomanoides*; scientificNameAuthorship: Blume; continent: Africa; country: Togo; countryCode: TG; locality: Lomé, in gardens; habitat: Gardens; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; basisOfRecord: Human observation; occurrenceID: AC63DF47-DC08-54ED-8CF6-515C12DC52CE

Native status: Not native

Distribution: In gardens

Family Dryopteridaceae

Subfamily Dryopteridoideae

***Ctenitis cirrhosa* (Schumach.) Ching**

Materials

- a. scientificName: *Ctenitis cirrhosa* (Schumach.) Ching; namePublishedIn: Sunyatsenia 5: 250 (1940); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Dryopteridaceae; genus: *Ctenitis*; specificEpithet: *cirrhosa*; scientificNameAuthorship: (Schumach.) Ching; continent: Africa; country: Togo; countryCode: TG; locality: Ona; verbatimElevation: 614; verbatimSRS: WGS84; decimalLatitude: 7.512781; decimalLongitude: 0.763979; geodeticDatum: WGS84; eventDate: 04-26-17; habitat: Rainforest; recordNumber: AB0518; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 04-26-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 3F4E9DA0-40CD-5A01-9C56-828023706ABC
- b. scientificName: *Ctenitis cirrhosa* (Schumach.) Ching; namePublishedIn: Sunyatsenia 5: 250 (1940); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Dryopteridaceae; genus: *Ctenitis*; specificEpithet: *cirrhosa*; scientificNameAuthorship: (Schumach.) Ching; continent: Africa; country: Togo; countryCode: TG; locality: Lalamila; verbatimElevation: 567; verbatimSRS: WGS84; decimalLatitude: 8.164788; decimalLongitude: 0.807486; geodeticDatum: WGS84; eventDate: 10-05-16; habitat: Rainforest; recordNumber: AB0378; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 10-05-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 3D33E820-737E-5510-84F3-26CB657056A2
- c. scientificName: *Ctenitis cirrhosa* (Schumach.) Ching; namePublishedIn: Sunyatsenia 5: 250 (1940); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Dryopteridaceae; genus: *Ctenitis*; specificEpithet: *cirrhosa*;

scientificNameAuthorship: (Schumach.) Ching; continent: Africa; country: Togo; countryCode: TG; locality: Danyi N'Digbé, river Fufu; verbatimElevation: 693; verbatimSRS: WGS84; decimalLatitude: 7.15439309; decimalLongitude: 0.669064082; geodeticDatum: WGS84; eventDate: 04-08-13; habitat: Rainforest; recordNumber: ASM 0218; recordedBy: Abotsi, K.E., Sodjinou E. & Mingou P.; identifiedBy: Abotsi, K.E.; dateIdentified: 04-08-13; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: D07CFDE3-466E-5FAF-86B5-ABFC622F4951

Native status: Native

Distribution: Zone 4

Dryopteris athamantica (Kunze) Kuntze

Materials

- a. scientificName: *Dryopteris athamantica* (Kunze) Kuntze; namePublishedIn: Rev. Gen. Pl. 2: 812 (1891); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polyopdiales; family: Dryopteridaceae; genus: *Dryopteris*; specificEpithet: *athamantica*; scientificNameAuthorship: (Kunze) Kuntze; continent: Africa; country: Togo; countryCode: TG; locality: Yoh; verbatimElevation: 300; verbatimSRS: WGS84; decimalLatitude: 7; decimalLongitude: 0.75; geodeticDatum: WGS84; eventDate: /10/1978; habitat: Rainforest; catalogNumber: 12113; recordNumber: 5589; recordedBy: Brunel, J.-F.; identifiedBy: Meyer, C.A.; dateIdentified: 1980; institutionID: Herbarium Togoense; collectionID: Brunel, J.-F.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 1107E424-68E5-5198-8B3B-027EE35615D3
- b. scientificName: *Dryopteris athamantica* (Kunze) Kuntze; namePublishedIn: Rev. Gen. Pl. 2: 812 (1891); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polyopdiales; family: Dryopteridaceae; genus: *Dryopteris*; specificEpithet: *athamantica*; scientificNameAuthorship: (Kunze) Kuntze; continent: Africa; country: Togo; countryCode: TG; locality: Yoh; verbatimElevation: 300; verbatimSRS: WGS84; decimalLatitude: 7; decimalLongitude: 0.75; geodeticDatum: WGS84; eventDate: /10/1978; habitat: Rainforest; catalogNumber: 12114; recordNumber: 5589 bis; recordedBy: Brunel, J.-F.; identifiedBy: Meyer, C.A.; dateIdentified: 1980; institutionID: Herbarium Togoense; collectionID: Brunel, J.-F.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: E05648F2-A40D-5F46-835D-14EC7D12D3EC

Native status: Native

Distribution: Zone 4

Subfamily Elaphoglossoideae

Bolbitis acrostichoides (Afzel. ex Sw.) Ching

Materials

- a. scientificName: *Bolbitis acrostichoides* (Afzel. ex Sw.) Ching; namePublishedIn: C. Chr., Ind. Fil., Suppl. III: 47 (1934); kingdom: Plantae; phylum: Pteridophyta; class:

Polypodiopsida; order: Polypodiales; family: Dryopteridaceae; genus: Bolbitis; specificEpithet: acrostichoides; scientificNameAuthorship: (Afzel. ex Sw.) Ching; continent: Africa; country: Togo; countryCode: TG; locality: Assoukoko; verbatimElevation: 345; verbatimSRS: WGS84; decimalLatitude: 8.004729; decimalLongitude: 0.613121; geodeticDatum: WGS84; eventDate: 09-18-16; habitat: Rainforest; recordNumber: AB0327; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 09-18-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 9E0DE721-3786-5067-811A-52C050419A4D

- b. scientificName: *Bolbitis acrostichoides* (Afzel. ex Sw.) Ching; namePublishedIn: C. Chr., Ind. Fil., Suppl. III: 47 (1934); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Dryopteridaceae; genus: Bolbitis; specificEpithet: acrostichoides; scientificNameAuthorship: (Afzel. ex Sw.) Ching; continent: Africa; country: Togo; countryCode: TG; locality: Assoukoko; verbatimElevation: 346; verbatimSRS: WGS84; decimalLatitude: 8.003891; decimalLongitude: 0.613241; geodeticDatum: WGS84; eventDate: 09-18-16; habitat: Rainforest; recordNumber: AB0331; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 09-18-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 7A6CF56F-70B1-5B41-8417-D2698630DA23
- c. scientificName: *Bolbitis acrostichoides* (Afzel. ex Sw.) Ching; namePublishedIn: C. Chr., Ind. Fil., Suppl. III: 47 (1934); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Dryopteridaceae; genus: Bolbitis; specificEpithet: acrostichoides; scientificNameAuthorship: (Afzel. ex Sw.) Ching; continent: Africa; country: Togo; countryCode: TG; locality: Diguengué; verbatimElevation: 427; verbatimSRS: WGS84; decimalLatitude: 8.071374; decimalLongitude: 0.6411; geodeticDatum: WGS84; eventDate: 10-06-16; habitat: Rainforest; recordNumber: AB0394; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 10-06-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 3C1D8A9A-894B-5572-92A8-79AFAB1B3BD9

Native status: Native

Distribution: Zone 4

***Bolbitis auriculata* (Lam.) Alston**

Materials

- a. scientificName: *Bolbitis auriculata* (Lam.) Alston; namePublishedIn: J. Bot. Suppl. 3 (1934); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Dryopteridaceae; genus: Bolbitis; specificEpithet: auriculata; scientificNameAuthorship: (Lam.) Alston; continent: Africa; country: Togo; countryCode: TG; locality: Ayomé; verbatimElevation: 326; verbatimSRS: WGS84; decimalLatitude: 7.501178; decimalLongitude: 0.955729; geodeticDatum: WGS84; eventDate: 08-05-16; habitat: Rainforest; recordNumber: AB0220; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 08-05-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 69781BF4-FE01-50BE-B1D3-FEF23939B3F9

- b. scientificName: *Bolbitis auriculata* (Lam.) Alston; namePublishedIn: J. Bot. Suppl. 3 (1934); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Dryopteridaceae; genus: *Bolbitis*; specificEpithet: *auriculata*; scientificNameAuthorship: (Lam.) Alston; continent: Africa; country: Togo; countryCode: TG; locality: Sérégbéné; verbatimElevation: 526; verbatimSRS: WGS84; decimalLatitude: 7.864947; decimalLongitude: 0.73967; geodeticDatum: WGS84; eventDate: 09-17-16; habitat: Rainforest; recordNumber: AB0290; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 09-17-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: F6D155C8-4641-5010-AAB6-1BDF4358EF29
- c. scientificName: *Bolbitis auriculata* (Lam.) Alston; namePublishedIn: J. Bot. Suppl. 3 (1934); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Dryopteridaceae; genus: *Bolbitis*; specificEpithet: *auriculata*; scientificNameAuthorship: (Lam.) Alston; continent: Africa; country: Togo; countryCode: TG; locality: Agou Kébo-Dzignbé; verbatimElevation: 804; verbatimSRS: WGS84; decimalLatitude: 6.864669; decimalLongitude: 0.755956; geodeticDatum: WGS84; eventDate: 12-26-16; habitat: Rainforest; recordNumber: AB0404; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 12-26-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 8F27179F-27C1-5FC7-BCF4-E1AB71DF9FC5

Native status: Native

Distribution: Zone 4

***Bolbitis heudelotii* (Bory ex Fée) Alston**

Materials

- a. scientificName: *Bolbitis heudelotii* (Bory ex Fée) Alston; namePublishedIn: Kew Bull. Suppl. 3 (1934); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Dryopteridaceae; genus: *Bolbitis*; specificEpithet: *heudelotii*; scientificNameAuthorship: (Bory ex Fée) Alston; continent: Africa; country: Togo; countryCode: TG; locality: Danyi N'Digbé; verbatimElevation: 679; verbatimSRS: WGS84; decimalLatitude: 7.15317; decimalLongitude: 0.666869; geodeticDatum: WGS84; eventDate: 06-27-16; habitat: Rainforest; recordNumber: AB0119; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-27-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: B01733A2-BF5B-5EA8-815C-0417E6F58F3C
- b. scientificName: *Bolbitis heudelotii* (Bory ex Fée) Alston; namePublishedIn: Kew Bull. Suppl. 3 (1934); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Dryopteridaceae; genus: *Bolbitis*; specificEpithet: *heudelotii*; scientificNameAuthorship: (Bory ex Fée) Alston; continent: Africa; country: Togo; countryCode: TG; locality: Danyi Apéyémé; verbatimElevation: 691; verbatimSRS: WGS84; decimalLatitude: 7.184707; decimalLongitude: 0.691975; geodeticDatum: WGS84; eventDate: 12-27-16; habitat: Rainforest; recordNumber: AB0409; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 12-27-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 624CE833-17C6-5939-920A-57357E43D083
- c. scientificName: *Bolbitis heudelotii* (Bory ex Fée) Alston; namePublishedIn: Kew Bull. Suppl. 3 (1934); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order:

Polypodiales; family: Dryopteridaceae; genus: Bolbitis; specificEpithet: heudelotii; scientificNameAuthorship: (Bory ex Fée) Alston; continent: Africa; country: Togo; countryCode: TG; locality: Souroukou; verbatimElevation: 346; verbatimSRS: WGS84; decimalLatitude: 8.756288; decimalLongitude: 0.681726; geodeticDatum: WGS84; eventDate: 07-15-17; habitat: Dry dense forest; recordNumber: AB0579; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 07-15-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 4444B995-039A-59BD-B6E5-6C6C32E68761

Native status: Native

Distribution: Zones 2 and 4

***Parapolystichum barterianum* (Hook.) Rouhan**

Material

- a. scientificName: *Parapolystichum barterianum* (Hook.) Rouhan; namePublishedIn: Brittonia 67(1): 82 (2014); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Dryopteridaceae; genus: *Parapolystichum*; specificEpithet: *barterianum*; scientificNameAuthorship: (Hook.) Rouhan; continent: Africa; country: Togo; countryCode: TG; locality: Kouma; verbatimElevation: 600; verbatimSRS: WGS85; decimalLatitude: 6.939; decimalLongitude: 0.6091; geodeticDatum: WGS85; eventDate: /12/1978; habitat: Rainforest; catalogNumber: 12134; recordNumber: 5758; recordedBy: Brunel, J.-F.; identifiedBy: Meyer, C.A.; dateIdentified: 1980; institutionID: Herbarium Togoense; collectionID: Brunel, J.-F.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 14A6431D-D08B-5F30-B6D1-303A71903911

Native status: Native

Distribution: Zone 4

***Parapolystichum subsimile* (Hook.) Rouhan**

Materials

- a. scientificName: *Parapolystichum subsimile* (Hook.) Rouhan; namePublishedIn: Brittonia 67(1): 84 (2014); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Dryopteridaceae; genus: *Parapolystichum*; specificEpithet: *subsimile*; scientificNameAuthorship: (Hook.) Rouhan; continent: Africa; country: Togo; countryCode: TG; locality: Adamé; verbatimElevation: 610; verbatimSRS: WGS84; decimalLatitude: 6.35; decimalLongitude: 1.2227778; geodeticDatum: WGS84; eventDate: 09-01-82; habitat: Rainforest; catalogNumber: 12154; recordNumber: 29; recordedBy: Akpagana, K.; identifiedBy: K. Akpagana; dateIdentified: 09-01-82; institutionID: Herbarium Togoense; collectionID: Akpagana, K.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 57C3EFFA-A7E6-5A0E-8D72-373BB7E713A4
- b. scientificName: *Parapolystichum subsimile* (Hook.) Rouhan; namePublishedIn: Brittonia 67(1): 84 (2014); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Dryopteridaceae; genus: *Parapolystichum*; specificEpithet:

subsimile; scientificNameAuthorship: (Hook.) Rouhan; continent: Africa; country: Togo; countryCode: TG; locality: Yoh; verbatimElevation: 300; verbatimSRS: WGS84; decimalLatitude: 7; decimalLongitude: 0.75; geodeticDatum: WGS84; eventDate: / 10/1978; habitat: Rainforest; catalogNumber: 12155; recordNumber: 5589; recordedBy: Brunel, J.-F.; identifiedBy: Meyer, C.A.; dateIdentified: 1980; institutionID: Herbarium Togoense; collectionID: Brunel, J.-F.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 22C9B5B4-9408-53E9-866B-C1D69AD8A1A8

Native status: Native

Distribution: Zone 4

Family Lomariopsidaceae

Lomariopsis guineensis (Underw.) Alston

Materials

- a. scientificName: *Lomariopsis guineensis* (Underw.) Alston; namePublishedIn: J. Bot. 72 (Suppl.): 5 (1934); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Lomariopsidaceae; genus: *Lomariopsis*; specificEpithet: *guineensis*; scientificNameAuthorship: (Underw.) Alston; continent: Africa; country: Togo; countryCode: TG; locality: Danyi Dzogbégan; verbatimElevation: 714; verbatimSRS: WGS84; decimalLatitude: 7.232082; decimalLongitude: 0.677545; geodeticDatum: WGS84; eventDate: 12-27-16; habitat: Rainforest; recordNumber: AB0419; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 12-27-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 40B84D24-5EDF-5404-9EC4-B1A5CBBB2A96
- b. scientificName: *Lomariopsis guineensis* (Underw.) Alston; namePublishedIn: J. Bot. 72 (Suppl.): 5 (1934); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Lomariopsidaceae; genus: *Lomariopsis*; specificEpithet: *guineensis*; scientificNameAuthorship: (Underw.) Alston; continent: Africa; country: Togo; countryCode: TG; locality: Dikpéléou; verbatimElevation: 696; verbatimSRS: WGS84; decimalLatitude: 8.195824911; decimalLongitude: 0.614532118; geodeticDatum: WGS84; eventDate: 05-09-13; habitat: Rainforest; recordNumber: ASM 0151; recordedBy: Abotsi, K.E., Sodjinou E. & Mingou P.; identifiedBy: Abotsi, K.E.; dateIdentified: 05-09-13; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 7DC7BAEF-955A-55C6-B44D-A2106E43C320

Native status: Native

Distribution: Zone 4

Family Nephrolepidaceae

Nephrolepis bisserata (Sw.) Schott.

Materials

- a. scientificName: *Nephrolepis bisserata* (Sw.) Schott.; namePublishedIn: Gen. Fil. ad., t. 3 (1834); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Nephrolepidaceae; genus: *Nephrolepis*; specificEpithet: *bisserata*; scientificNameAuthorship: (Sw.) Schott.; continent: Africa; country: Togo; countryCode: TG; locality: Kpimé Séva; verbatimElevation: 523; verbatimSRS: WGS84; decimalLatitude: 7.010523; decimalLongitude: 0.639052; geodeticDatum: WGS84; eventDate: 08-04-16; habitat: Palm grove; recordNumber: AB0202; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 08-04-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 05A71E2F-BA27-56AA-BABA-D947D91B6E03
- b. scientificName: *Nephrolepis bisserata* (Sw.) Schott.; namePublishedIn: Gen. Fil. ad., t. 3 (1834); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Nephrolepidaceae; genus: *Nephrolepis*; specificEpithet: *bisserata*; scientificNameAuthorship: (Sw.) Schott.; continent: Africa; country: Togo; countryCode: TG; locality: Assoukoko; verbatimElevation: 336; verbatimSRS: WGS84; decimalLatitude: 8.005672; decimalLongitude: 0.61372; geodeticDatum: WGS84; eventDate: 09-18-16; habitat: Fallow; recordNumber: AB0330; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 09-18-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 384F65AA-1C10-52C3-8FFF-2B4A3BFB552A
- c. scientificName: *Nephrolepis bisserata* (Sw.) Schott.; namePublishedIn: Gen. Fil. ad., t. 3 (1834); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Nephrolepidaceae; genus: *Nephrolepis*; specificEpithet: *bisserata*; scientificNameAuthorship: (Sw.) Schott.; continent: Africa; country: Togo; countryCode: TG; locality: M'Poti; verbatimElevation: 643; verbatimSRS: WGS84; decimalLatitude: 8.243432; decimalLongitude: 0.775189; geodeticDatum: WGS84; eventDate: 10-05-16; habitat: Rainforest; recordNumber: AB0364; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 10-05-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 40E56D6A-799B-5491-A770-CA81A97829CF

Native status: Native

Distribution: Zones 2, 3, 4 and 5

Nephrolepis cordifolia (L.) Presl

Materials

- a. scientificName: *Nephrolepis cordifolia* (L.) Presl; namePublishedIn: Tent. Pterid. 79 (1836), nom. cons.; kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Nephrolepidaceae; genus: *Nephrolepis*; specificEpithet: *cordifolia*; scientificNameAuthorship: (L.) Presl; continent: Africa; country: Togo; countryCode: TG; locality: Diguengué; verbatimElevation: 437; verbatimSRS: WGS84; decimalLatitude: 8.073798; decimalLongitude: 0.640721; geodeticDatum: WGS84;

eventDate: 10-06-16; habitat: Fallow; recordNumber: AB0388; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 10-06-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 0C4C8544-3DFA-502E-A8BA-D3AF312057AB

- b. scientificName: *Nephrolepis cordifolia* (L.) Presl; namePublishedIn: Tent. Pterid. 79 (1836), nom. cons.; kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Nephrolepidaceae; genus: *Nephrolepis*; specificEpithet: *cordifolia*; scientificNameAuthorship: (L.) Presl; continent: Africa; country: Togo; countryCode: TG; locality: Koumondè; verbatimElevation: 696; verbatimSRS: WGS84; decimalLatitude: 9.275811; decimalLongitude: 1.223044; geodeticDatum: WGS84; eventDate: 07-12-17; habitat: Wooded savannah; recordNumber: AB0547; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 07-12-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 3011DC30-D14F-5C1B-A0B0-86CAE68216AD
- c. scientificName: *Nephrolepis cordifolia* (L.) Presl; namePublishedIn: Tent. Pterid. 79 (1836), nom. cons.; kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Nephrolepidaceae; genus: *Nephrolepis*; specificEpithet: *cordifolia*; scientificNameAuthorship: (L.) Presl; continent: Africa; country: Togo; countryCode: TG; locality: Alédjo; verbatimElevation: 517; verbatimSRS: WGS84; decimalLatitude: 9.272262; decimalLongitude: 1.207198; geodeticDatum: WGS84; eventDate: 07-12-17; habitat: Dry dense forest; recordNumber: AB0550; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 07-12-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: A0026E46-27E2-59B8-911C-25B740877980

Native status: Native

Distribution: Zones 2 and 4

***Nephrolepis delicatula* (Decne.) Pic. Serm.**

Materials

- a. scientificName: *Nephrolepis delicatula* (Decne.) Pic. Serm.; namePublishedIn: *Webbia* 23: 181 (1968); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Nephrolepidaceae; genus: *Nephrolepis*; specificEpithet: *delicatula*; scientificNameAuthorship: (Decne.) Pic. Serm.; continent: Africa; country: Togo; countryCode: TG; locality: Mouna; verbatimElevation: 558; verbatimSRS: WGS84; decimalLatitude: 7.642163; decimalLongitude: 0.873798; geodeticDatum: WGS84; eventDate: 09-15-16; habitat: Rainforest; recordNumber: AB0272; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 09-15-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: C38DEA3F-C711-5F70-AACF-3EB3E99D9A32
- b. scientificName: *Nephrolepis delicatula* (Decne.) Pic. Serm.; namePublishedIn: *Webbia* 23: 181 (1968); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Nephrolepidaceae; genus: *Nephrolepis*; specificEpithet: *delicatula*; scientificNameAuthorship: (Decne.) Pic. Serm.; continent: Africa; country: Togo; countryCode: TG; locality: Défalé; verbatimElevation: 293; verbatimSRS: WGS84; decimalLatitude: 9.924749; decimalLongitude: 1.108493; geodeticDatum: WGS84; eventDate: 07-11-17; habitat: Dry dense forest; recordNumber: AB0538; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 07-11-17; institutionID: Herbarium

Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 73BC7413-987C-5E15-9379-5CA22116380F

- c. scientificName: *Nephrolepis delicatula* (Decne.) Pic. Serm.; namePublishedIn: *Webbia* 23: 181 (1968); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Nephrolepidaceae; genus: *Nephrolepis*; specificEpithet: *delicatula*; scientificNameAuthorship: (Decne.) Pic. Serm.; continent: Africa; country: Togo; countryCode: TG; locality: Tchatchaminadè; verbatimElevation: 397; verbatimSRS: WGS84; decimalLatitude: 9.310474; decimalLongitude: 0.984666; geodeticDatum: WGS84; eventDate: 07-14-17; habitat: Dry dense forest; recordNumber: AB0568; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 07-14-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 7E0F0370-47C6-5FEE-9B86-08B969561FEC

Native status: Native

Distribution: Zones 2 and 4

Nephrolepis hirsutula (G. Forst.) Presl

Material

- a. scientificName: *Nephrolepis hirsutula* (G. Forst.) Presl; namePublishedIn: *Tent. Pterid.* 79 (1836); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Nephrolepidaceae; genus: *Nephrolepis*; specificEpithet: *hirsutula*; scientificNameAuthorship: (G. Forst.) Presl; continent: Africa; country: Togo; countryCode: TG; locality: Lomé, in gardens; habitat: Gardens; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; basisOfRecord: Human observation; occurrenceID: 470EA3B2-D63A-58BE-90B6-1CD5C79B8428

Native status: Not native

Distribution: In gardens

Nephrolepis undulata (Afzel. ex Sw.) J. Sm.

Materials

- a. scientificName: *Nephrolepis undulata* (Afzel. ex Sw.) J. Sm.; namePublishedIn: *Bot. Mag.* 72 (Companion): 35 bis (1846); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Nephrolepidaceae; genus: *Nephrolepis*; specificEpithet: *undulata*; scientificNameAuthorship: (Afzel. ex Sw.) J. Sm.; continent: Africa; country: Togo; countryCode: TG; locality: Kuma Konda; verbatimElevation: 567; verbatimSRS: WGS84; decimalLatitude: 6.949813; decimalLongitude: 0.57751; geodeticDatum: WGS84; eventDate: 06-24-16; habitat: Rainforest; recordNumber: AB0078; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-24-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: B63D166A-1675-5646-A318-E885A69ECC3E
- b. scientificName: *Nephrolepis undulata* (Afzel. ex Sw.) J. Sm.; namePublishedIn: *Bot. Mag.* 72 (Companion): 35 bis (1846); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Nephrolepidaceae; genus: *Nephrolepis*;

specificEpithet: undulata; scientificNameAuthorship: (Afzel. ex Sw.) J. Sm.; continent: Africa; country: Togo; countryCode: TG; locality: Womé; verbatimElevation: 359; verbatimSRS: WGS84; decimalLatitude: 6.858394; decimalLongitude: 0.556622; geodeticDatum: WGS84; eventDate: 08-03-16; habitat: Palm grove; recordNumber: AB0178; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 08-03-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: C9095E8A-FFC6-5358-969F-0778D5735D8E

- c. scientificName: *Nephrolepis undulata* (Afzel. ex Sw.) J. Sm.; namePublishedIn: Bot. Mag. 72 (Companion): 35 bis (1846); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Nephrolepidaceae; genus: *Nephrolepis*; specificEpithet: undulata; scientificNameAuthorship: (Afzel. ex Sw.) J. Sm.; continent: Africa; country: Togo; countryCode: TG; locality: Vhè N'Kugna; verbatimElevation: 541; verbatimSRS: WGS84; decimalLatitude: 7.660917; decimalLongitude: 0.748113; geodeticDatum: WGS84; eventDate: 09-16-16; habitat: Wooded savannah; recordNumber: AB0278; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 09-16-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 580B64C5-BAC9-55B7-A4F0-25A119F45673

Native status: Native

Distribution: Zones 2, 3 and 4

Family Oleandraceae

Oleandra distenta Kunze

Material

- a. scientificName: *Oleandra distenta* Kunze; namePublishedIn: Bot. Zeit. (Berlin) 347 (1851); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Oleandraceae; genus: *Oleandra*; specificEpithet: distenta; scientificNameAuthorship: Kunze; continent: Africa; country: Togo; countryCode: TG; habitat: Rainforest; recordedBy: Roux, J.P.; basisOfRecord: Unknown; source: Synopsis of the Lycopodiophyta and Pteridophyta of Africa, Madagascar and neighbouring islands (Roux, 2009); occurrenceID: 3DDCB1B8-54B3-55C2-B037-B4F81B269669

Native status: Native

Distribution: Zone 4

Family Polypodiaceae

Subfamily Drynarioideae

***Aglaomorpha laurentii* (Christ ex De Wild. & Durand) Hovenkamp & S.Linds.**

Materials

- a. scientificName: *Aglaomorpha laurentii* (Christ ex De Wild. & Durand) Hovenkamp & S.Linds.; namePublishedIn: Gard. Bull. Singapore 69(1): 151 (2017); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Polypodiaceae; genus: *Aglaomorpha*; specificEpithet: *laurentii*; scientificNameAuthorship: (Christ ex De Wild. & Durand) Hovenkamp & S.Linds.; continent: Africa; country: Togo; countryCode: TG; locality: Danyi Elavagnon; verbatimElevation: 769; verbatimSRS: WGS84; decimalLatitude: 7.2904; decimalLongitude: 0.707708; geodeticDatum: WGS84; eventDate: /07/1987; habitat: Rainforest; catalogNumber: 12318; recordNumber: 1848; recordedBy: Akpagana, K.; identifiedBy: K. Akpagana; dateIdentified: /07/1987; institutionID: Herbarium Togoense; collectionID: Akpagana, K.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: F1AD8983-E3B9-508D-8E33-1DAB3F695BCE
- b. scientificName: *Aglaomorpha laurentii* (Christ ex De Wild. & Durand) Hovenkamp & S.Linds.; namePublishedIn: Gard. Bull. Singapore 69(1): 151 (2017); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Polypodiaceae; genus: *Aglaomorpha*; specificEpithet: *laurentii*; scientificNameAuthorship: (Christ ex De Wild. & Durand) Hovenkamp & S.Linds.; continent: Africa; country: Togo; countryCode: TG; locality: Danyi Dzogbégan; verbatimElevation: 714; verbatimSRS: WGS84; decimalLatitude: 7.232082; decimalLongitude: 0.677545; geodeticDatum: WGS84; eventDate: /06/1983; habitat: Rainforest; catalogNumber: 12317; recordNumber: 7863; recordedBy: Brunel, J.-F.; identifiedBy: Brunel, J.-F.; dateIdentified: /06/1983; institutionID: Herbarium Togoense; collectionID: Brunel, J.-F.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: CC689864-B961-53C0-9441-0A54253EC8F2

Native status: Native

Distribution: Zone 4

Subfamily Grammitidoideae

***Cochlidium punctatum* (Raddi) L.E. Bishop**

Material

- a. scientificName: *Cochlidium punctatum* (Raddi) L.E. Bishop; namePublishedIn: Amer. Fern J. 68(3): 86 (1978); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Polypodiaceae; genus: *Cochlidium*; specificEpithet: *punctatum*; scientificNameAuthorship: (Raddi) L.E. Bishop; continent: Africa; country: Togo; countryCode: TG; locality: Lomé, in gardens; habitat: Gardens; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; basisOfRecord: Human observation; occurrenceID: 3EE6D4EB-CA9B-5206-A4F9-13EB1E5FC537

Native status: Not native

Distribution: In gardens

Subfamily Loxogrammoideae

Loxogramme abyssinica (Baker) M. G. Price

Materials

- a. scientificName: *Loxogramme abyssinica* (Baker) M. G. Price; namePublishedIn: Amer. Fern J. 74(2): 61 (1984); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Polypodiaceae; genus: *Loxogramme*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Baker) M. G. Price; continent: Africa; country: Togo; countryCode: TG; locality: Danyi N'Digbé; verbatimElevation: 675; verbatimSRS: WGS84; decimalLatitude: 7.153184; decimalLongitude: 0.666966; geodeticDatum: WGS84; eventDate: 06-27-16; habitat: Rainforest; recordNumber: AB0113; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-27-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: F41A8936-B2CE-514F-9E44-5AD6F8B61272
- b. scientificName: *Loxogramme abyssinica* (Baker) M. G. Price; namePublishedIn: Amer. Fern J. 74(2): 61 (1984); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Polypodiaceae; genus: *Loxogramme*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Baker) M. G. Price; continent: Africa; country: Togo; countryCode: TG; locality: Sérégbéné; verbatimElevation: 524; verbatimSRS: WGS84; decimalLatitude: 7.865006; decimalLongitude: 0.739799; geodeticDatum: WGS84; eventDate: 09-17-16; habitat: Rainforest; recordNumber: AB0292; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 09-17-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 9BE34FB9-C123-5D7B-A89B-A6E3850B8E4E
- c. scientificName: *Loxogramme abyssinica* (Baker) M. G. Price; namePublishedIn: Amer. Fern J. 74(2): 61 (1984); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Polypodiaceae; genus: *Loxogramme*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Baker) M. G. Price; continent: Africa; country: Togo; countryCode: TG; locality: Aménosodzi; verbatimElevation: 259; verbatimSRS: WGS84; decimalLatitude: 7.903039; decimalLongitude: 0.650732; geodeticDatum: WGS84; eventDate: 09-17-16; habitat: Rainforest; recordNumber: AB0305; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 09-17-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 4E13D661-6E31-5401-99A1-AB8B33648C5C

Native status: Native

Distribution: Zone 4

Subfamily Microsoroideae

Lepisorus excavatus (Bory ex Willd.) Ching

Materials

- a. scientificName: *Lepisorus excavatus* (Bory ex Willd.) Ching; namePublishedIn: Bull. Fan Mem. Inst. Biol. Bot. 4: 68 (1939); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Polypodiaceae; genus: *Lepisorus*; specificEpithet: *excavatus*; scientificNameAuthorship: (Bory ex Willd.) Ching; continent: Africa; country: Togo; countryCode: TG; locality: Danyi Dzogbégan; verbatimElevation: 753; verbatimSRS: WGS84; decimalLatitude: 7.234158085; decimalLongitude: 0.71352374; geodeticDatum: WGS84; eventDate: 04-10-13; habitat: Rainforest; recordNumber: ASM 0267; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 04-10-13; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 0251CD63-72A2-5277-B3A0-F6E37CF786C8
- b. scientificName: *Lepisorus excavatus* (Bory ex Willd.) Ching; namePublishedIn: Bull. Fan Mem. Inst. Biol. Bot. 4: 68 (1939); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Polypodiaceae; genus: *Lepisorus*; specificEpithet: *excavatus*; scientificNameAuthorship: (Bory ex Willd.) Ching; continent: Africa; country: Togo; countryCode: TG; locality: Mt Agou; verbatimElevation: 982; verbatimSRS: WGS84; decimalLatitude: 6.872570656; decimalLongitude: 0.748960964; geodeticDatum: WGS84; eventDate: 04-16-13; habitat: Rainforest; recordNumber: ASM 0328; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 04-16-13; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 4AA91B85-F652-56D4-8861-C71A954384D8

Native status: Native

Distribution: Zones 2 and 4

Microsorium musifolium (Blume) Copel.

Material

- a. scientificName: *Microsorium musifolium* (Blume) Copel.; namePublishedIn: Univ. Calif. Publ. Bot. 16: 111-116 (1929); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Polypodiaceae; genus: *Microsorium*; specificEpithet: *musifolium*; scientificNameAuthorship: (Blume) Copel.; continent: Africa; country: Togo; countryCode: TG; locality: Lomé, in gardens; habitat: Gardens; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; basisOfRecord: Human observation; occurrenceID: B1AAD4F0-1749-5787-AF2A-26AB7B61A76D

Native status: Not native

Distribution: In gardens

Microsorium punctatum (L.) Copel.

Materials

- a. scientificName: *Microsorium punctatum* (L.) Copel.; namePublishedIn: Univ. Calif. Publ. Bot. 16: 110 (1929); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Polypodiaceae; genus: *Microsorium*; specificEpithet: *punctatum*; scientificNameAuthorship: (L.) Copel.; continent: Africa; country: Togo; countryCode: TG; locality: Danyi N'Digbé; verbatimElevation: 685; verbatimSRS: WGS84; decimalLatitude: 7.151191; decimalLongitude: 0.671993; geodeticDatum: WGS84; eventDate: 06-27-16; habitat: Rainforest; recordNumber: AB0109; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-27-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 50E87673-F3DB-5325-8584-D131D33A0424
- b. scientificName: *Microsorium punctatum* (L.) Copel.; namePublishedIn: Univ. Calif. Publ. Bot. 16: 110 (1929); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Polypodiaceae; genus: *Microsorium*; specificEpithet: *punctatum*; scientificNameAuthorship: (L.) Copel.; continent: Africa; country: Togo; countryCode: TG; locality: Danyi Dzogbégan; verbatimElevation: 711; verbatimSRS: WGS84; decimalLatitude: 7.232356; decimalLongitude: 0.677425; geodeticDatum: WGS84; eventDate: 12-27-16; habitat: Rainforest; recordNumber: AB0413; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 12-27-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: DB31F83A-0898-5BDC-976B-99FC66BDE55D
- c. scientificName: *Microsorium punctatum* (L.) Copel.; namePublishedIn: Univ. Calif. Publ. Bot. 16: 110 (1929); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Polypodiaceae; genus: *Microsorium*; specificEpithet: *punctatum*; scientificNameAuthorship: (L.) Copel.; continent: Africa; country: Togo; countryCode: TG; locality: Ediwlou; verbatimElevation: 582; verbatimSRS: WGS84; decimalLatitude: 7.404205; decimalLongitude: 0.700612; geodeticDatum: WGS84; eventDate: 04-25-17; habitat: Rainforest; recordNumber: AB0479; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 04-25-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: C3ADC77D-A74B-55E9-92C8-5617C54ECA60

Native status: Native

Distribution: Zone 4

Microsorium scolopendria (Burm.f.) Copel.

Materials

- a. scientificName: *Microsorium scolopendria* (Burm.f.) Copel.; namePublishedIn: Univ. Calif. Publ. Bot. 16: 112. (1929); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Polypodiaceae; genus: *Microsorium*; specificEpithet: *scolopendria*; scientificNameAuthorship: (Burm. f.) Copel.; continent: Africa; country: Togo; countryCode: TG; locality: Afito; verbatimElevation: 27; verbatimSRS: WGS84; decimalLatitude: 6.753295; decimalLongitude: 1.5874880555556;

geodeticDatum: WGS84; eventDate: 06-29-17; habitat: Palm grove; recordNumber: AB0533; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-29-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 9DFC3634-B193-51DE-BBF0-4A55917B6BD7

- b. scientificName: *Microsorium scolopendria* (Burm.f.) Copel.; namePublishedIn: Univ. Calif. Publ. Bot. 16. 112. (1929); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Polypodiaceae; genus: *Microsorium*; specificEpithet: *scolopendria*; scientificNameAuthorship: (Burm. f.) Copel.; continent: Africa; country: Togo; countryCode: TG; locality: Kuma Konda; verbatimElevation: 570; verbatimSRS: WGS84; decimalLatitude: 6.948919; decimalLongitude: 0.578778; geodeticDatum: WGS84; eventDate: 06-24-16; habitat: Rainforest; recordNumber: AB0084; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-24-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 3174ED76-5F99-5AF4-B372-F7A6D661FDAE
- c. scientificName: *Microsorium scolopendria* (Burm.f.) Copel.; namePublishedIn: Univ. Calif. Publ. Bot. 16. 112. (1929); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Polypodiaceae; genus: *Microsorium*; specificEpithet: *scolopendria*; scientificNameAuthorship: (Burm. f.) Copel.; continent: Africa; country: Togo; countryCode: TG; locality: Kessibo Abrewankor; verbatimElevation: 367; verbatimSRS: WGS84; decimalLatitude: 7.650175; decimalLongitude: 0.59982; geodeticDatum: WGS84; eventDate: 08-07-16; habitat: Palm grove; recordNumber: AB0249; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 08-07-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 04AF549B-FA79-584E-8032-07F52D1FD39F

Native status: Native

Distribution: Zones 4 and 5

Subfamily Platycerioideae

Platycerium bifurcatum (Cav.) C. Chr.

Material

- a. scientificName: *Platycerium bifurcatum* (Cav.) C. Chr.; namePublishedIn: Ind. 498 (1906); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Polypodiaceae; genus: *Platycerium*; specificEpithet: *bifurcatum*; scientificNameAuthorship: (Cav.) C. Chr.; continent: Africa; country: Togo; countryCode: TG; locality: Lomé, in gardens; habitat: Gardens; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; basisOfRecord: Human observation; occurrenceID: 2FBCC00C-65F0-5F4A-9899-612E4EA338EE

Native status: Not native

Distribution: In gardens

Platycerium elephantotis Schweinf.

Materials

- a. scientificName: *Platycerium elephantotis* Schweinf.; namePublishedIn: Bot. Zeit. (Berlin) 361 (1871); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Polypodiaceae; genus: *Platycerium*; specificEpithet: *elephantotis*; scientificNameAuthorship: Schweinf.; continent: Africa; country: Togo; countryCode: TG; locality: Alédjo; verbatimElevation: 518; verbatimSRS: WGS84; decimalLatitude: 9.272384; decimalLongitude: 1.207383; geodeticDatum: WGS84; eventDate: 07-12-17; habitat: Dry dense forest; recordNumber: AB0551; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 07-12-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 27C09FEA-EA3D-55AF-99EA-7FA5FEC3492E
- b. scientificName: *Platycerium elephantotis* Schweinf.; namePublishedIn: Bot. Zeit. (Berlin) 361 (1871); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Polypodiaceae; genus: *Platycerium*; specificEpithet: *elephantotis*; scientificNameAuthorship: Schweinf.; continent: Africa; country: Togo; countryCode: TG; locality: Diomé; verbatimElevation: 273; verbatimSRS: WGS84; decimalLatitude: 8.584624; decimalLongitude: 1.305894; geodeticDatum: WGS84; eventDate: 07-18-17; habitat: Dry dense forest; recordNumber: AB0604; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 07-18-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 1E61A3C3-F193-5EAB-9959-860C40354590
- c. scientificName: *Platycerium elephantotis* Schweinf.; namePublishedIn: Bot. Zeit. (Berlin) 361 (1871); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Polypodiaceae; genus: *Platycerium*; specificEpithet: *elephantotis*; scientificNameAuthorship: Schweinf.; continent: Africa; country: Togo; countryCode: TG; locality: Alédjo Kadara; verbatimElevation: 777; verbatimSRS: WGS84; decimalLatitude: 9.257632; decimalLongitude: 1.210462; geodeticDatum: WGS84; eventDate: 07-13-17; habitat: Inhabited area, on a tree; recordNumber: AB0019; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 07-13-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 6261F8BA-EE5B-5A33-B309-5602E67EB9B4

Native status: Native

Distribution: Zone 2

Platycerium hillii T. Moore

Material

- a. scientificName: *Platycerium hillii* T. Moore; namePublishedIn: Gard. Chr. n. s. 10: 51, f. 6, 429, f. 74-75 (1878); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Polypodiaceae; genus: *Platycerium*; specificEpithet: *hillii*; scientificNameAuthorship: T. Moore; continent: Africa; country: Togo; countryCode: TG; locality: Lomé, in gardens; habitat: Gardens; recordedBy: Abotsi, K.E.; identifiedBy:

Abotsi, K.E.; basisOfRecord: Human observation; occurrenceID: EF4EB46F-0329-5F8E-8399-802D7CDE9686

Native status: Not native

Distribution: In gardens

***Platycerium stemaria* (P.Beauv.) Desv.**

Materials

- a. scientificName: *Platycerium stemaria* (P.Beauv.) Desv.; namePublishedIn: Mem. Soc. Linn. Paris 6, 2: 213 (1827) (stemmaria) ; Chr. 126. NPfl. 339; kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Polypodiaceae; genus: *Platycerium*; specificEpithet: stemaria; scientificNameAuthorship: (P.Beauv.) Desv.; continent: Africa; country: Togo; countryCode: TG; locality: Kpimé Séva; verbatimElevation: 503; verbatimSRS: WGS84; decimalLatitude: 7.008194; decimalLongitude: 0.643401; geodeticDatum: WGS84; eventDate: 08-04-16; habitat: Inhabited area, on a tree; recordNumber: AB0199; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 08-04-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 1AC2303A-29EC-573A-9318-D029DE150C2E
- b. scientificName: *Platycerium stemaria* (P.Beauv.) Desv.; namePublishedIn: Mem. Soc. Linn. Paris 6, 2: 213 (1827) (stemmaria) ; Chr. 126. NPfl. 339; kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Polypodiaceae; genus: *Platycerium*; specificEpithet: stemaria; scientificNameAuthorship: (P.Beauv.) Desv.; continent: Africa; country: Togo; countryCode: TG; locality: Kessibo Abrewankor; verbatimElevation: 369; verbatimSRS: WGS84; decimalLatitude: 7.650219; decimalLongitude: 0.599818; geodeticDatum: WGS84; eventDate: 08-07-16; habitat: Palm grove; recordNumber: AB0248; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 08-07-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 42F143B9-3E4D-5EEC-BD98-BF81B371CF32
- c. scientificName: *Platycerium stemaria* (P.Beauv.) Desv.; namePublishedIn: Mem. Soc. Linn. Paris 6, 2: 213 (1827) (stemmaria) ; Chr. 126. NPfl. 339; kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Polypodiaceae; genus: *Platycerium*; specificEpithet: stemaria; scientificNameAuthorship: (P.Beauv.) Desv.; continent: Africa; country: Togo; countryCode: TG; locality: Danyi Dzédramévi; verbatimElevation: 703; verbatimSRS: WGS84; decimalLatitude: 7.162683; decimalLongitude: 0.632576; geodeticDatum: WGS84; eventDate: 09-30-16; habitat: Wooded savannah; recordNumber: AB0338; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 09-30-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 9742975B-2B4B-56FC-A089-211087AB008B

Native status: Native

Distribution: Zones 3, 4 and 5

Platycerium superbum Joncheere & Hennipman

Material

- a. scientificName: *Platycerium superbum* Joncheere & Hennipman; namePublishedIn: Tent. Pterid. 215, t. 9, f. 8 (1836)Brit. Fern Gaz. 10: 114, C 4, 5 (1970), nom. nov.; kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Polypodiaceae; genus: *Platycerium*; specificEpithet: *superbum*; scientificNameAuthorship: Joncheere & Hennipman; continent: Africa; country: Togo; countryCode: TG; locality: Lomé, in gardens; habitat: Gardens; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; basisOfRecord: Human observation; occurrenceID: 52EF5726-946F-5701-BD8F-1B98DF2AA335

Native status: Not native

Distribution: In gardens

Subfamily Polypodioideae

Microgramma mauritiana (Willd.) Tardieu

Materials

- a. scientificName: *Microgramma mauritiana* (Willd.) Tardieu; namePublishedIn: Humbert, Fl. Madag. Fam. 5, 2: 108, t. 24(6-8) (1960); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Polypodiaceae; genus: *Microgramma*; specificEpithet: *mauritiana*; scientificNameAuthorship: (Willd.) Tardieu; continent: Africa; country: Togo; countryCode: TG; locality: Tové, INFA; verbatimElevation: 224; verbatimSRS: WGS84; decimalLatitude: 6.882528; decimalLongitude: 0.645221; geodeticDatum: WGS84; eventDate: 06-25-16; habitat: Rainforest; recordNumber: AB0093; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-25-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 18CADAFE-6ED4-5BE4-B4E9-A6106FCF2BD4
- b. scientificName: *Microgramma mauritiana* (Willd.) Tardieu; namePublishedIn: Humbert, Fl. Madag. Fam. 5, 2: 108, t. 24(6-8) (1960); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Polypodiaceae; genus: *Microgramma*; specificEpithet: *mauritiana*; scientificNameAuthorship: (Willd.) Tardieu; continent: Africa; country: Togo; countryCode: TG; locality: Agou Nyogbo; verbatimElevation: 556; verbatimSRS: WGS84; decimalLatitude: 6.876847; decimalLongitude: 0.733947; geodeticDatum: WGS84; eventDate: 06-13-16; habitat: Coffee/cocoa based agroforest; recordNumber: AB0017; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-13-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: B744A8C3-57D7-5335-A418-7FA1E0C7767D
- c. scientificName: *Microgramma mauritiana* (Willd.) Tardieu; namePublishedIn: Humbert, Fl. Madag. Fam. 5, 2: 108, t. 24(6-8) (1960); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Polypodiaceae; genus: *Microgramma*; specificEpithet: *mauritiana*; scientificNameAuthorship: (Willd.) Tardieu; continent: Africa;

country: Togo; countryCode: TG; locality: Mt Agou; verbatimElevation: 942; verbatimSRS: WGS84; decimalLatitude: 6.870710419; decimalLongitude: 0.751276064; geodeticDatum: WGS84; eventDate: 04-16-13; habitat: Rainforest; recordNumber: ASM 0324; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 04-16-13; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 54D24202-EEA7-5A37-989D-FC4406D82520

Native status: Native

Distribution: Zone 4

Family Tectariaceae

Arthropteris orientalis (Gmel.) Posth.

Materials

- a. scientificName: *Arthropteris orientalis* (Gmel.) Posth.; namePublishedIn: Rec. Trav. Bot. néerl. 21: 218 (1924); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Tectariaceae; genus: *Arthropteris*; specificEpithet: *orientalis*; scientificNameAuthorship: (Gmel.) Posth.; continent: Africa; country: Togo; countryCode: TG; locality: Kouma Konda; verbatimElevation: 612; verbatimSRS: WGS84; decimalLatitude: 6.9549; decimalLongitude: 0.5795; geodeticDatum: WGS84; eventDate: 10-01-84; habitat: Rainforest; catalogNumber: 12470; recordNumber: 8965; recordedBy: Brunel, J.-F.; identifiedBy: Brunel, J.-F.; dateIdentified: 10-01-84; institutionID: Herbarium Togoense; collectionID: Brunel, J.-F.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 3DB21249-12E5-5925-A5AF-A2B6AF3D95F6
- b. scientificName: *Arthropteris orientalis* (Gmel.) Posth.; namePublishedIn: Rec. Trav. Bot. néerl. 21: 218 (1924); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Tectariaceae; genus: *Arthropteris*; specificEpithet: *orientalis*; scientificNameAuthorship: (Gmel.) Posth.; continent: Africa; country: Togo; countryCode: TG; locality: Agbo kopé; verbatimElevation: 658; verbatimSRS: WGS84; decimalLatitude: 7.43116; decimalLongitude: 0.7085; geodeticDatum: WGS84; eventDate: 03-01-87; habitat: Rainforest; catalogNumber: 12471; recordNumber: 1489; recordedBy: Akpagana, K.; identifiedBy: K. Akpagana; dateIdentified: 03-01-87; institutionID: Herbarium Togoense; collectionID: Akpagana, K.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 2EA7ECE0-2E86-5DE6-93C0-27BF42E39DF6
- c. scientificName: *Arthropteris orientalis* (Gmel.) Posth.; namePublishedIn: Rec. Trav. Bot. néerl. 21: 218 (1924); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Tectariaceae; genus: *Arthropteris*; specificEpithet: *orientalis*; scientificNameAuthorship: (Gmel.) Posth.; continent: Africa; country: Togo; countryCode: TG; locality: Kpimé; verbatimElevation: 302; verbatimSRS: WGS84; decimalLatitude: 7.003; decimalLongitude: 0.644; geodeticDatum: WGS84; eventDate: 12-01-78; habitat: Rainforest; catalogNumber: 12487; recordNumber: 5560; recordedBy: Brunel, J.-F.; identifiedBy: Brunel, J.-F.; dateIdentified: 1980; institutionID: Herbarium Togoense; collectionID: Brunel, J.-F.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: E96C374C-7FC4-5444-9CCE-132DD7DAEDF9

Native status: Native

Distribution: Zone 4

Tectaria angelicifolia (Schum.) Copel.

Materials

- a. scientificName: *Tectaria angelicifolia* (Schum.) Copel.; namePublishedIn: Phil. Journ. Sci. 2C: 410 (1907); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Tectariaceae; genus: *Tectaria*; specificEpithet: *angelicifolia*; scientificNameAuthorship: (Schum.) Copel.; continent: Africa; country: Togo; countryCode: TG; locality: Akloa; verbatimElevation: 369; verbatimSRS: WGS84; decimalLatitude: 7.514911; decimalLongitude: 0.619492; geodeticDatum: WGS84; eventDate: 08-06-16; habitat: Rainforest; recordNumber: AB0241; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 08-06-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 98D6DA17-F2A2-5BEC-81A5-EDD314165BFF
- b. scientificName: *Tectaria angelicifolia* (Schum.) Copel.; namePublishedIn: Phil. Journ. Sci. 2C: 410 (1907); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Tectariaceae; genus: *Tectaria*; specificEpithet: *angelicifolia*; scientificNameAuthorship: (Schum.) Copel.; continent: Africa; country: Togo; countryCode: TG; locality: Gbadi Gawodo; verbatimElevation: 638; verbatimSRS: WGS84; decimalLatitude: 7.484815; decimalLongitude: 0.76634; geodeticDatum: WGS84; eventDate: 04-26-17; habitat: Rainforest; recordNumber: AB0506; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 04-26-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 7CF3BACC-B59E-599E-985C-35EA26F57FA8
- c. scientificName: *Tectaria angelicifolia* (Schum.) Copel.; namePublishedIn: Phil. Journ. Sci. 2C: 410 (1907); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Tectariaceae; genus: *Tectaria*; specificEpithet: *angelicifolia*; scientificNameAuthorship: (Schum.) Copel.; continent: Africa; country: Togo; countryCode: TG; locality: Agou Kébo-Dzignbé; verbatimElevation: 765; verbatimSRS: WGS84; decimalLatitude: 6.863635; decimalLongitude: 0.75568; geodeticDatum: WGS84; eventDate: 06-14-16; habitat: Rainforest; recordNumber: AB0032; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-14-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: C4313325-64CC-5212-B033-0FE92A6A509A

Native status: Native

Distribution: Zone 4

Tectaria fernandensis (Baker) C.Chr.

Materials

- a. scientificName: *Tectaria fernandensis* (Baker) C.Chr.; namePublishedIn: Ind. Fil., Suppl. III: 179 (1934); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Tectariaceae; genus: *Tectaria*; specificEpithet: *fernandensis*; scientificNameAuthorship: (Baker) C.Chr.; continent: Africa; country: Togo; countryCode: TG; locality: Agomé Yoh; verbatimElevation: 371; verbatimSRS: WGS84;

- decimalLatitude: 6.950836; decimalLongitude: 0.597365; geodeticDatum: WGS84; eventDate: 06-15-16; habitat: Coffee/cocoa based agroforest; recordNumber: AB0045; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-15-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 60C06DFF-1128-5D70-8F2C-2D1B692178F9
- b. scientificName: *Tectaria fernandensis* (Baker) C.Chr.; namePublishedIn: Ind. Fil., Suppl. III: 179 (1934); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Tectariaceae; genus: *Tectaria*; specificEpithet: fernandensis; scientificNameAuthorship: (Baker) C.Chr.; continent: Africa; country: Togo; countryCode: TG; locality: Badou; verbatimElevation: 323; verbatimSRS: WGS84; decimalLatitude: 7.581904; decimalLongitude: 0.621121; geodeticDatum: WGS84; eventDate: 08-08-16; habitat: Rainforest; recordNumber: AB0255; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 08-08-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: D7B7BD66-96DB-5B46-BC76-530B95940BE1
- c. scientificName: *Tectaria fernandensis* (Baker) C.Chr.; namePublishedIn: Ind. Fil., Suppl. III: 179 (1934); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Tectariaceae; genus: *Tectaria*; specificEpithet: fernandensis; scientificNameAuthorship: (Baker) C.Chr.; continent: Africa; country: Togo; countryCode: TG; locality: Agou Kébo-Dzighbé; verbatimElevation: 847; verbatimSRS: WGS84; decimalLatitude: 6.867475; decimalLongitude: 0.751468; geodeticDatum: WGS84; eventDate: 12-26-16; habitat: Rainforest; recordNumber: AB0405; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 12-26-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 7A8455A6-A153-5970-A291-6972317804A4

Native status: Native

Distribution: Zone 4

Triplophyllum buchholzii (Kuhn) Holttum

Materials

- a. scientificName: *Triplophyllum buchholzii* (Kuhn) Holttum; namePublishedIn: Kew Bull. 41(2): 251 (1986); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Tectariaceae; genus: *Triplophyllum*; specificEpithet: buchholzii; scientificNameAuthorship: (Kuhn) Holttum; continent: Africa; country: Togo; countryCode: TG; locality: Danyi N'Digbé; verbatimElevation: 558; verbatimSRS: WGS84; decimalLatitude: 7.121720933; decimalLongitude: 0.653457481; geodeticDatum: WGS84; eventDate: 04-09-13; habitat: Rainforest; recordNumber: ASM 0245; recordedBy: Abotsi, K.E., Sodjinou E. & Mingou P.; identifiedBy: Abotsi, K.E.; dateIdentified: 04-09-13; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 138C71EE-BE8D-5035-A226-B9CBFD5BA90F
- b. scientificName: *Triplophyllum buchholzii* (Kuhn) Holttum; namePublishedIn: Kew Bull. 41(2): 251 (1986); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Tectariaceae; genus: *Triplophyllum*; specificEpithet: buchholzii; scientificNameAuthorship: (Kuhn) Holttum; continent: Africa; country: Togo; countryCode: TG; locality: Agou Nyogbo; verbatimElevation: 470; verbatimSRS: WGS84;

decimalLatitude: 6.895432; decimalLongitude: 0.738209; geodeticDatum: WGS84; eventDate: /10/1978; habitat: Rainforest; catalogNumber: 12142; recordNumber: 5495; recordedBy: Brunel, J.-F.; identifiedBy: Brunel, J.-F.; dateIdentified: /10/1978; institutionID: Herbarium Togoense; collectionID: Brunel, J.-F.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 44BA6B37-30AE-539D-A23C-ED9F4F222A48

Native status: Native

Distribution: Zone 4

Triplophyllum heudelotii Pic. Serm.

Material

- a. scientificName: *Triplophyllum heudelotii* Pic. Serm.; namePublishedIn: *Webbia* 45(1): 126 (1991); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Tectariaceae; genus: *Triplophyllum*; specificEpithet: heudelotii; scientificNameAuthorship: Pic. Serm.; continent: Africa; country: Togo; countryCode: TG; habitat: Rainforest; recordedBy: Roux, J.P.; basisOfRecord: Unknown; source: Synopsis of the Lycopodiophyta and Pteridophyta of Africa, Madagascar and neighbouring islands (Roux, 2009); occurrenceID: 7E735A7A-53CC-58F6-8A15-1E293744804B

Native status: Native

Distribution: Uncertain

Triplophyllum jenseniae (C. Chr.) Holttum

Materials

- a. scientificName: *Triplophyllum jenseniae* (C. Chr.) Holttum; namePublishedIn: *Kew Bull.* 41(2): 253 (1986); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Tectariaceae; genus: *Triplophyllum*; specificEpithet: jenseniae; scientificNameAuthorship: (C. Chr.) Holttum; continent: Africa; country: Togo; countryCode: TG; locality: Danyi; verbatimElevation: 706; verbatimSRS: WGS84; decimalLatitude: 7.169022; decimalLongitude: 0.68099; geodeticDatum: WGS84; eventDate: /02/1991; habitat: Rainforest; catalogNumber: 12141; recordNumber: 2382; recordedBy: Akpagana, K.; identifiedBy: K. Akpagana; dateIdentified: /02/1991; institutionID: Herbarium Togoense; collectionID: Akpagana, K.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 18B20859-EF63-5280-8E29-6769BEDCF5D3
- b. scientificName: *Triplophyllum jenseniae* (C. Chr.) Holttum; namePublishedIn: *Kew Bull.* 41(2): 253 (1986); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Tectariaceae; genus: *Triplophyllum*; specificEpithet: jenseniae; scientificNameAuthorship: (C. Chr.) Holttum; continent: Africa; country: Togo; countryCode: TG; locality: Agadja; verbatimElevation: 656; verbatimSRS: WGS84; decimalLatitude: 7.491346; decimalLongitude: 0.770762; geodeticDatum: WGS84; eventDate: /03/1987; habitat: Rainforest; catalogNumber: 12140; recordNumber: 10074; recordedBy: Brunel, J.-F.; identifiedBy: Brunel, J.-F.; dateIdentified: /03/1987; institutionID: Herbarium Togoense; collectionID: Brunel, J.-F.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 6140F919-556B-55AD-BAC3-A8665151F38B

Native status: Native

Distribution: Zone 4

Triplophyllum pilosissimum (J. Sm. ex T. Moore) Holttum

Material

- a. scientificName: *Triplophyllum pilosissimum* (J. Sm. ex T. Moore) Holttum; namePublishedIn: Kew Bull. 41(2): 246 (1986); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Tectariaceae; genus: *Triplophyllum*; specificEpithet: *pilosissimum*; scientificNameAuthorship: (J. Sm. ex T. Moore) Holttum; continent: Africa; country: Togo; countryCode: TG; locality: Kougnohou; verbatimElevation: 669; verbatimSRS: WGS84; decimalLatitude: 7.636132; decimalLongitude: 0.796726; geodeticDatum: WGS84; eventDate: /12/1983; habitat: Rainforest; catalogNumber: 12150; recordNumber: 8133; recordedBy: Brunel, J.-F.; identifiedBy: Brunel, J.-F.; dateIdentified: /12/1983; institutionID: Herbarium Togoense; collectionID: Brunel, J.-F.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 80BE3B26-9B20-5003-B2FC-51F4BFF755A0

Native status: Native

Distribution: Zone 4

Triplophyllum protensum (Afzel. ex Sw.) Holttum

Materials

- a. scientificName: *Triplophyllum protensum* (Afzel. ex Sw.) Holttum; namePublishedIn: Kew Bull. 41(2): 247 (1986); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Tectariaceae; genus: *Triplophyllum*; specificEpithet: *protensum*; scientificNameAuthorship: (Afzel. ex Sw.) Holttum; continent: Africa; country: Togo; countryCode: TG; locality: Gbadi Gawodo; verbatimElevation: 635; verbatimSRS: WGS84; decimalLatitude: 7.484742; decimalLongitude: 0.766472; geodeticDatum: WGS84; eventDate: 04-26-17; habitat: Rainforest; recordNumber: AB0504; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 04-26-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 1978D432-121C-5BBF-ACA3-5EDB0052F3D3
- b. scientificName: *Triplophyllum protensum* (Afzel. ex Sw.) Holttum; namePublishedIn: Kew Bull. 41(2): 247 (1986); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Tectariaceae; genus: *Triplophyllum*; specificEpithet: *protensum*; scientificNameAuthorship: (Afzel. ex Sw.) Holttum; continent: Africa; country: Togo; countryCode: TG; locality: Gbadi Gawodo; verbatimElevation: 639; verbatimSRS: WGS84; decimalLatitude: 7.484761; decimalLongitude: 0.766336; geodeticDatum: WGS84; eventDate: 04-26-17; habitat: Rainforest; recordNumber: AB0508; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 04-26-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 8891E6C6-D978-5E30-AA11-4BECE4D01726
- c. scientificName: *Triplophyllum protensum* (Afzel. ex Sw.) Holttum; namePublishedIn: Kew Bull. 41(2): 247 (1986); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida;

order: Polypodiales; family: Tectariaceae; genus: Triplophyllum; specificEpithet: protensum; scientificNameAuthorship: (Afzel. ex Sw.) Holttum; continent: Africa; country: Togo; countryCode: TG; locality: Yoh; verbatimSRS: WGS84; decimalLatitude: 7; decimalLongitude: 0.75; geodeticDatum: WGS84; eventDate: 05-26-05; habitat: Rainforest; catalogNumber: 12106; recordNumber: 71; recordedBy: Brunel, J.-F.; identifiedBy: Brunel, J.-F.; dateIdentified: 1980; institutionID: Herbarium Togoense; collectionID: Brunel, J.-F.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 46810FC0-AF79-5C76-9669-FFFA3D67617D

Native status: Native

Distribution: Zone 4

Triplophyllum speciosum (Mett. ex Kuhn) Holttum

Materials

- a. scientificName: *Triplophyllum speciosum* (Mett. ex Kuhn) Holttum; namePublishedIn: Kew Bull. 41(2): 247 (1986); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Tectariaceae; genus: Triplophyllum; specificEpithet: speciosum; scientificNameAuthorship: (Mett. ex Kuhn) Holttum; continent: Africa; country: Togo; countryCode: TG; locality: Agadja; verbatimElevation: 656; verbatimSRS: WGS84; decimalLatitude: 7.491346; decimalLongitude: 0.770762; geodeticDatum: WGS84; eventDate: /03/1987; habitat: Rainforest; catalogNumber: 12153; recordNumber: 10085; recordedBy: Brunel, J.-F.; identifiedBy: Brunel, J.-F.; dateIdentified: /03/1987; institutionID: Herbarium Togoense; collectionID: Brunel, J.-F.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: E975E00F-66C9-5092-A838-F3D0CA7149A5
- b. scientificName: *Triplophyllum speciosum* (Mett. ex Kuhn) Holttum; namePublishedIn: Kew Bull. 41(2): 247 (1986); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Tectariaceae; genus: Triplophyllum; specificEpithet: speciosum; scientificNameAuthorship: (Mett. ex Kuhn) Holttum; continent: Africa; country: Togo; countryCode: TG; locality: Gbadi N'Kougna; verbatimElevation: 691; verbatimSRS: WGS84; decimalLatitude: 7.44316; decimalLongitude: 0.706923; geodeticDatum: WGS84; eventDate: /03/1987; habitat: Rainforest; catalogNumber: 12152; recordNumber: 1476; recordedBy: Akpagana, K.; identifiedBy: Akpagana, K.; dateIdentified: /03/1987; institutionID: Herbarium Togoense; collectionID: Akpagana, K.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 16BAD45E-E7B1-526C-A914-B9F2049D7D0B

Native status: Native

Distribution: Zone 4

Triplophyllum subquinquefidum (P. Beauv.) Pic. Serm.

Material

- a. scientificName: *Triplophyllum subquinquefidum* (P. Beauv.) Pic. Serm.; namePublishedIn: Webbia 45(1): 129 (1991); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Tectariaceae; genus: Triplophyllum; specificEpithet: subquinquefidum; scientificNameAuthorship: (P. Beauv.) Pic. Serm.;

continent: Africa; country: Togo; countryCode: TG; habitat: Rainforest; recordedBy: Roux, J.P.; basisOfRecord: Unknown; source: Synopsis of the Lycopodiophyta and Pteridophyta of Africa, Madagascar and neighbouring islands (Roux, 2009); occurrenceID: A4AC7BD4-B492-5D9E-8C8C-800FBDF8807A

Native status: Native

Distribution: Zone 4

Triplophyllum vogelii (Hook.) Holttum

Materials

- a. scientificName: *Triplophyllum vogelii* (Hook.) Holttum; namePublishedIn: Kew Bull. 41(2): 249 (1986); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Tectariaceae; genus: *Triplophyllum*; specificEpithet: *vogelii*; scientificNameAuthorship: (Hook.) Holttum; continent: Africa; country: Togo; countryCode: TG; locality: Danyi N'Digbé; verbatimElevation: 692; verbatimSRS: WGS84; decimalLatitude: 7.151174; decimalLongitude: 0.673605; geodeticDatum: WGS84; eventDate: 06-27-16; habitat: Rainforest; recordNumber: AB0097; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-27-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 42D23CC6-E7E3-5171-9EE6-DB951AECBA87
- b. scientificName: *Triplophyllum vogelii* (Hook.) Holttum; namePublishedIn: Kew Bull. 41(2): 249 (1986); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Tectariaceae; genus: *Triplophyllum*; specificEpithet: *vogelii*; scientificNameAuthorship: (Hook.) Holttum; continent: Africa; country: Togo; countryCode: TG; locality: Assoukoko; verbatimElevation: 337; verbatimSRS: WGS84; decimalLatitude: 8.003312; decimalLongitude: 0.613371; geodeticDatum: WGS84; eventDate: 09-18-16; habitat: Rainforest; recordNumber: AB0325; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 09-18-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 0E771272-EA23-549E-B7A3-E4F13D391602
- c. scientificName: *Triplophyllum vogelii* (Hook.) Holttum; namePublishedIn: Kew Bull. 41(2): 249 (1986); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Tectariaceae; genus: *Triplophyllum*; specificEpithet: *vogelii*; scientificNameAuthorship: (Hook.) Holttum; continent: Africa; country: Togo; countryCode: TG; locality: Missahoé; verbatimElevation: 529; verbatimSRS: WGS84; decimalLatitude: 6.946928; decimalLongitude: 0.580442; geodeticDatum: WGS84; eventDate: 06-24-16; habitat: Rainforest; recordNumber: AB0063; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-24-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: C061D93C-FA49-5C78-B0CF-7E4FBC7A601A

Native status: Native

Distribution: Zone 4

Suborder Pteridineae

Family Pteridaceae

Subfamily Cheilanthroideae

Doryopteris kirkii (Hook.) Alston

Materials

- a. scientificName: *Doryopteris kirkii* (Hook.) Alston; namePublishedIn: Bol. Soc. Broter. ser. 2, 80: 14 (1956); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Doryopteris*; specificEpithet: kirkii; scientificNameAuthorship: (Hook.) Alston; continent: Africa; country: Togo; countryCode: TG; locality: Kpimé Séva; verbatimElevation: 525; verbatimSRS: WGS84; decimalLatitude: 7.0169; decimalLongitude: 0.640521; geodeticDatum: WGS84; eventDate: 08-04-16; habitat: Rainforest; recordNumber: AB0210; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 08-04-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: F6E5F068-B5C6-5102-BD81-CFBE62A70639
- b. scientificName: *Doryopteris kirkii* (Hook.) Alston; namePublishedIn: Bol. Soc. Broter. ser. 2, 80: 14 (1956); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Doryopteris*; specificEpithet: kirkii; scientificNameAuthorship: (Hook.) Alston; continent: Africa; country: Togo; countryCode: TG; locality: Bèna Olé; verbatimElevation: 707; verbatimSRS: WGS84; decimalLatitude: 7.555646; decimalLongitude: 0.863315; geodeticDatum: WGS84; eventDate: 08-05-16; habitat: Coffee/cocoa based agroforest; recordNumber: AB0226; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 08-05-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: DD5CE945-4077-5050-BBDA-5D060D58F46E
- c. scientificName: *Doryopteris kirkii* (Hook.) Alston; namePublishedIn: Bol. Soc. Broter. ser. 2, 80: 14 (1956); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Doryopteris*; specificEpithet: kirkii; scientificNameAuthorship: (Hook.) Alston; continent: Africa; country: Togo; countryCode: TG; locality: Assoukoko; verbatimElevation: 635; verbatimSRS: WGS84; decimalLatitude: 8.004828; decimalLongitude: 0.625982; geodeticDatum: WGS84; eventDate: 09-18-16; habitat: Rainforest; recordNumber: AB0312; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 09-18-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: D0B8FBB0-9CFD-557C-9D93-44DF2CA0B81C

Native status: Native

Distribution: Zone 4

Pellaea doniana (J. Sm.) Hook.

Materials

- a. scientificName: *Pellaea doniana* (J. Sm.) Hook.; namePublishedIn: Sp. 2: 137, t. 125 A (1858); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Pellaea*; specificEpithet: *doniana*; scientificNameAuthorship: (J. Sm.) Hook.; continent: Africa; country: Togo; countryCode: TG; locality: Kpimé Séva; verbatimElevation: 323; verbatimSRS: WGS84; decimalLatitude: 7.007999; decimalLongitude: 0.645665; geodeticDatum: WGS84; eventDate: 07-23-16; habitat: Rainforest; recordNumber: AB0171; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 07-23-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: C4C140F7-30E0-547C-8020-04B40C4F88A9
- b. scientificName: *Pellaea doniana* (J. Sm.) Hook.; namePublishedIn: Sp. 2: 137, t. 125 A (1858); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Pellaea*; specificEpithet: *doniana*; scientificNameAuthorship: (J. Sm.) Hook.; continent: Africa; country: Togo; countryCode: TG; locality: Akloa; verbatimElevation: 321; verbatimSRS: WGS84; decimalLatitude: 7.514973; decimalLongitude: 0.615899; geodeticDatum: WGS84; eventDate: 08-06-16; habitat: Rainforest; recordNumber: AB0231; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 08-06-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: B3D6A0A4-B584-568C-8E67-079EF52DDBEE
- c. scientificName: *Pellaea doniana* (J. Sm.) Hook.; namePublishedIn: Sp. 2: 137, t. 125 A (1858); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Pellaea*; specificEpithet: *doniana*; scientificNameAuthorship: (J. Sm.) Hook.; continent: Africa; country: Togo; countryCode: TG; locality: Aménosodji; verbatimElevation: 265; verbatimSRS: WGS84; decimalLatitude: 7.903048; decimalLongitude: 0.650699; geodeticDatum: WGS84; eventDate: 09-17-16; habitat: Rainforest; recordNumber: AB0303; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 09-17-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 4727DA7A-F6C0-57AB-8E68-CF9FDD9E899B

Native status: Native

Distribution: Zone 4

Subfamily Parkerioideae

Acrostichum aureum L.

Materials

- a. scientificName: *Acrostichum aureum* L.; namePublishedIn: Sp. Pl. 2: 1069 (1753); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Acrostichum*; specificEpithet: *aureum*; scientificNameAuthorship: L.; continent: Africa; country: Togo; countryCode: TG; locality:

- Zanvé; verbatimElevation: 4; verbatimSRS: WGS84; decimalLatitude: 6.282995; decimalLongitude: 1.749436; geodeticDatum: WGS84; eventDate: 02-01-17; habitat: Flooded savannah; recordNumber: AB0468; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 02-01-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: CC8A9A91-B147-5C2E-8FD9-FA15C90B25C9
- b. scientificName: *Acrostichum aureum* L.; namePublishedIn: Sp. Pl. 2: 1069 (1753)); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Acrostichum*; specificEpithet: aureum; scientificNameAuthorship: L.; continent: Africa; country: Togo; countryCode: TG; locality: Godjinmé; verbatimElevation: 60; verbatimSRS: WGS84; decimalLatitude: 6.71972; decimalLongitude: 1.51583; geodeticDatum: WGS84; eventDate: 08-30-17; habitat: Rainforest; recordNumber: AB0609; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 08-30-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 6145B2AA-F574-55F9-A598-E4DF86CC4E79
- c. scientificName: *Acrostichum aureum* L.; namePublishedIn: Sp. Pl. 2: 1069 (1753)); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Acrostichum*; specificEpithet: aureum; scientificNameAuthorship: L.; continent: Africa; country: Togo; countryCode: TG; locality: Zowlagan; verbatimElevation: 5; verbatimSRS: WGS84; decimalLatitude: 6.273027; decimalLongitude: 1.570112; geodeticDatum: WGS84; eventDate: 07-11-16; habitat: Mangrove; recordNumber: AB0145; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 07-11-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 1F9E863C-85E9-5213-9470-4477622FA448

Native status: Native

Distribution: Zone 5

***Ceratopteris thalictroides* (L.) Brongn.**

Materials

- a. scientificName: *Ceratopteris thalictroides* (L) Brongn.; namePublishedIn: Bull. Sci. Soc. Philom. Paris, sér. 3, 8: 186 (1821); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Ceratopteris*; specificEpithet: thalictroides; scientificNameAuthorship: (L.) Brongn.; continent: Africa; country: Togo; countryCode: TG; locality: Godjinmé; verbatimElevation: 65; verbatimSRS: WGS84; decimalLatitude: 6.71827; decimalLongitude: 1.521428; geodeticDatum: WGS84; eventDate: 01-27-17; habitat: Rainforest; recordNumber: AB0466; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 01-27-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 542137C8-87E2-5A86-8C11-7460A7E8895E
- b. scientificName: *Ceratopteris thalictroides* (L) Brongn.; namePublishedIn: Bull. Sci. Soc. Philom. Paris, sér. 3, 8: 186 (1821); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Ceratopteris*; specificEpithet: thalictroides; scientificNameAuthorship: (L.) Brongn.; continent: Africa; country: Togo; countryCode: TG; locality: Afito; verbatimElevation: 28; verbatimSRS: WGS84; decimalLatitude: 6.75203; decimalLongitude: 1.592489; geodeticDatum:

- WGS84; eventDate: 02-03-17; habitat: Flooded savannah; recordNumber: AB0471; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 02-03-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 8639F62F-0EB1-5ACD-B285-BFF87E9158C9
- c. scientificName: *Ceratopteris thalictroides* (L.) Brongn.; namePublishedIn: Bull. Sci. Soc. Philom. Paris, sér. 3, 8: 186 (1821); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Ceratopteris*; specificEpithet: thalictroides; scientificNameAuthorship: (L.) Brongn.; continent: Africa; country: Togo; countryCode: TG; locality: Godjinmé; verbatimElevation: 70; verbatimSRS: WGS84; decimalLatitude: 6.718534; decimalLongitude: 1.520319; geodeticDatum: WGS84; eventDate: 01-27-17; habitat: Rainforest; recordNumber: AB0465; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 01-27-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 377E1BDC-2531-56C0-BF03-4AC8FEA3DD22

Native status: Native

Distribution: Zones 4 and 5

Subfamily Pteridoideae

Actiniopteris radiata (Koenig ex Sw.) Link.

Material

- a. scientificName: *Actiniopteris radiata* (Koenig ex Sw.) Link.; namePublishedIn: Fil. Sp. 80 (1841); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Actiniopteris*; specificEpithet: radiata; scientificNameAuthorship: (Koenig ex Sw.) Link.; continent: Africa; country: Togo; countryCode: TG; locality: Yadè Tchallada; verbatimElevation: 365; verbatimSRS: WGS84; decimalLatitude: 9.607637; decimalLongitude: 1.150443; geodeticDatum: WGS84; eventDate: 07-12-17; habitat: Inhabited area, on a wall; recordNumber: AB0546; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 07-12-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: FBA5BEDD-9604-5FFC-BB73-F3A7A674D631

Native status: Native

Distribution: Zone 2

Pityrogramma calomelanos (L.) Link.

Materials

- a. scientificName: *Pityrogramma calomelanos* (L.) Link.; namePublishedIn: Handb. Gew. 3: 20 (1833); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Pityrogramma*; specificEpithet: calomelanos; scientificNameAuthorship: (L.) Link.; continent: Africa; country: Togo; countryCode: TG; locality: Kpimé Séva; verbatimElevation: 310; verbatimSRS: WGS84; decimalLatitude: 7.008411; decimalLongitude: 0.64556; geodeticDatum: WGS84; eventDate: 07-23-16;

- habitat: Rainforest; recordNumber: AB0169; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 07-23-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 8C8E8D44-E096-5302-90A8-2C1FA2A3ED7D
- b. scientificName: *Pityrogramma calomelanos* (L.) Link.; namePublishedIn: Handb. Gew. 3: 20 (1833); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Pityrogramma*; specificEpithet: *calomelanos*; scientificNameAuthorship: (L.) Link.; continent: Africa; country: Togo; countryCode: TG; locality: Ounabè; verbatimElevation: 621; verbatimSRS: WGS84; decimalLatitude: 7.555633; decimalLongitude: 1.015385; geodeticDatum: WGS84; eventDate: 08-05-16; habitat: Wooded savannah; recordNumber: AB0224; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 08-05-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 2B4598AB-EDA5-5FDE-A80E-AB92C17EF8BD
- c. scientificName: *Pityrogramma calomelanos* (L.) Link.; namePublishedIn: Handb. Gew. 3: 20 (1833); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Pityrogramma*; specificEpithet: *calomelanos*; scientificNameAuthorship: (L.) Link.; continent: Africa; country: Togo; countryCode: TG; locality: Akloa; verbatimElevation: 332; verbatimSRS: WGS84; decimalLatitude: 7.515065; decimalLongitude: 0.615951; geodeticDatum: WGS84; eventDate: 08-06-16; habitat: Rainforest; recordNumber: AB0232; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 08-06-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: FDDAA055-EF39-5A4B-93BC-ED20E067995C

Native status: Native

Distribution: Zones 2, 3 and 4

***Pteris atrovirens* Willd.**

Materials

- a. scientificName: *Pteris atrovirens* Willd.; namePublishedIn: Sp. 5: 385 (1810); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Pteris*; specificEpithet: *atrovirens*; scientificNameAuthorship: Willd.; continent: Africa; country: Togo; countryCode: TG; locality: Kpimé Séva; verbatimElevation: 496; verbatimSRS: WGS84; decimalLatitude: 7.008876; decimalLongitude: 0.640674; geodeticDatum: WGS84; eventDate: 08-04-16; habitat: Rainforest; recordNumber: AB0201; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 08-04-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 50B52B97-F595-5805-A657-3E93E281FC41
- b. scientificName: *Pteris atrovirens* Willd.; namePublishedIn: Sp. 5: 385 (1810); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Pteris*; specificEpithet: *atrovirens*; scientificNameAuthorship: Willd.; continent: Africa; country: Togo; countryCode: TG; locality: Sérégbéné; verbatimElevation: 523; verbatimSRS: WGS84; decimalLatitude: 7.864962; decimalLongitude: 0.739712; geodeticDatum: WGS84; eventDate: 09-17-16; habitat: Rainforest; recordNumber: AB0291; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 09-17-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.;

institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 8D3FD214-CD6C-5541-8C6F-7091AAE09C82

- c. scientificName: *Pteris atrovirens* Willd.; namePublishedIn: Sp. 5: 385 (1810); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Pteris*; specificEpithet: *atrovirens*; scientificNameAuthorship: Willd.; continent: Africa; country: Togo; countryCode: TG; locality: Assoukoko; verbatimElevation: 346; verbatimSRS: WGS84; decimalLatitude: 8.000469; decimalLongitude: 0.61531; geodeticDatum: WGS84; eventDate: 09-18-16; habitat: Rainforest; recordNumber: AB0318; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 09-18-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 020650BB-0BE8-55A2-A985-97F62A245B18

Native status: Native

Distribution: Zone 4

Pteris burtonii Baker

Materials

- a. scientificName: *Pteris burtonii* Baker; namePublishedIn: Ann. Bot. 5: 218 (1891); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Pteris*; specificEpithet: *burtonii*; scientificNameAuthorship: Baker; continent: Africa; country: Togo; countryCode: TG; locality: Danyi N'Digbé; verbatimElevation: 688; verbatimSRS: WGS84; decimalLatitude: 7.150935; decimalLongitude: 0.67243; geodeticDatum: WGS84; eventDate: 06-27-16; habitat: Rainforest; recordNumber: AB0107; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-27-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 04387F88-6847-55C0-A7DE-FCBC6E9F10F2
- b. scientificName: *Pteris burtonii* Baker; namePublishedIn: Ann. Bot. 5: 218 (1891); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Pteris*; specificEpithet: *burtonii*; scientificNameAuthorship: Baker; continent: Africa; country: Togo; countryCode: TG; locality: Assoukoko; verbatimElevation: 342; verbatimSRS: WGS84; decimalLatitude: 8.00328; decimalLongitude: 0.61336; geodeticDatum: WGS84; eventDate: 09-18-16; habitat: Rainforest; recordNumber: AB0326; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 09-18-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 9CD70654-CC4E-5C6E-8C0C-7EE1B62D7B3B
- c. scientificName: *Pteris burtonii* Baker; namePublishedIn: Ann. Bot. 5: 218 (1891); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Pteris*; specificEpithet: *burtonii*; scientificNameAuthorship: Baker; continent: Africa; country: Togo; countryCode: TG; locality: Danyi Dzogbégan; verbatimElevation: 712; verbatimSRS: WGS84; decimalLatitude: 7.232315; decimalLongitude: 0.677387; geodeticDatum: WGS84; eventDate: 12-27-16; habitat: Rainforest; recordNumber: AB0415; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 12-27-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 08BBCB87-F64E-5935-B5DF-E6D4BB70B5F2

Native status: Native

Distribution: Zone 4

***Pteris cretica* L.**

Material

- a. scientificName: *Pteris cretica* L.; namePublishedIn: Mant. Pl. 130 (1767); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Pteris*; specificEpithet: *cretica*; scientificNameAuthorship: L.; continent: Africa; country: Togo; countryCode: TG; locality: Lomé, in gardens; habitat: Gardens; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; basisOfRecord: Human observation; occurrenceID: FC0D1D9F-42E7-5350-A446-DADBF5CE1DC

Native status: Not native

Distribution: In gardens

***Pteris ensiformis* Burm.**

Material

- a. scientificName: *Pteris ensiformis* Burm.; namePublishedIn: Fl. Ind. 230 (1768); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Pteris*; specificEpithet: *ensiformis*; scientificNameAuthorship: Burm.; continent: Africa; country: Togo; countryCode: TG; locality: Lomé, in gardens; habitat: Gardens; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; basisOfRecord: Human observation; occurrenceID: B7CE839B-4BF8-5862-B5B1-B8D097A4CD04

Native status: Not native

Distribution: In gardens

***Pteris hamulosa* (H. Christ) H. Christ**

Materials

- a. scientificName: *Pteris hamulosa* (H. Christ) H. Christ; namePublishedIn: Ann. Mus. Congo V, 8: 30 (1909); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Pteris*; specificEpithet: *hamulosa*; scientificNameAuthorship: (H. Christ) H. Christ; continent: Africa; country: Togo; countryCode: TG; locality: Assoukoko; verbatimElevation: 586; verbatimSRS: WGS84; decimalLatitude: 8.010176; decimalLongitude: 0.656913; geodeticDatum: WGS84; eventDate: 09-17-16; habitat: Rainforest; recordNumber: AB0307; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 09-17-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 4054CC1B-D997-504A-831B-6EC3B0B34A8F
- b. scientificName: *Pteris hamulosa* (H. Christ) H. Christ; namePublishedIn: Ann. Mus. Congo V, 8: 30 (1909); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Pteris*; specificEpithet: *hamulosa*;

scientificNameAuthorship: (H. Christ) H. Christ; continent: Africa; country: Togo; countryCode: TG; locality: Lalamila; verbatimElevation: 573; verbatimSRS: WGS84; decimalLatitude: 8.164824; decimalLongitude: 0.807288; geodeticDatum: WGS84; eventDate: 10-05-16; habitat: Rainforest; recordNumber: AB0379; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 10-05-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 2B9CDC30-2B17-59CE-A2B5-C71E7EE99BED

- c. scientificName: *Pteris hamulosa* (H. Christ) H. Christ; namePublishedIn: Ann. Mus. Congo V, 8: 30 (1909); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Pteris*; specificEpithet: hamulosa; scientificNameAuthorship: (H. Christ) H. Christ; continent: Africa; country: Togo; countryCode: TG; locality: Agomé Yoh; verbatimElevation: 346; verbatimSRS: WGS84; decimalLatitude: 6.948842; decimalLongitude: 0.597537; geodeticDatum: WGS84; eventDate: 12-29-16; habitat: Coffee/cocoa based agroforest; recordNumber: AB0449; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 12-29-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: DCC0F335-C051-5746-8D9F-59BB136991F9

Native status: Native

Distribution: Zone 4

***Pteris linearis* Poir.**

Materials

- a. scientificName: *Pteris linearis* Poir.; namePublishedIn: Encycl. 5: 723 (1804); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Pteris*; specificEpithet: linearis; scientificNameAuthorship: Poir.; continent: Africa; country: Togo; countryCode: TG; locality: Sérégbéné; verbatimElevation: 527; verbatimSRS: WGS84; decimalLatitude: 7.865099; decimalLongitude: 0.739534; geodeticDatum: WGS84; eventDate: 09-17-16; habitat: Rainforest; recordNumber: AB0287; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 09-17-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 1A43148A-21D6-5698-80E2-FD0B64DB7758
- b. scientificName: *Pteris linearis* Poir.; namePublishedIn: Encycl. 5: 723 (1804); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Pteris*; specificEpithet: linearis; scientificNameAuthorship: Poir.; continent: Africa; country: Togo; countryCode: TG; locality: Sakoundè; verbatimElevation: 417; verbatimSRS: WGS84; decimalLatitude: 7.868141; decimalLongitude: 0.657472; geodeticDatum: WGS84; eventDate: 09-17-16; habitat: Rainforest; recordNumber: AB0299; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 09-17-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 3118CD16-2DAF-5F2A-AA7A-6E4B4238FF0F
- c. scientificName: *Pteris linearis* Poir.; namePublishedIn: Encycl. 5: 723 (1804); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Pteris*; specificEpithet: linearis; scientificNameAuthorship: Poir.; continent: Africa; country: Togo; countryCode: TG; locality: Danyi Gbaladzé; verbatimElevation: 821; verbatimSRS: WGS84; decimalLatitude: 7.210018;

decimalLongitude: 0.732149; geodeticDatum: WGS84; eventDate: 10-01-16; habitat: Coffee/cocoa based agroforest; recordNumber: AB0347; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 10-01-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 36AAF7D6-8187-5FE1-A295-C3311CAC67F3

Native status: Native

Distribution: Zone 4

***Pteris mildbraedii* Hieron.**

Materials

- a. scientificName: *Pteris mildbraedii* Hieron.; namePublishedIn: Engl. Jahrb. 68: 415 (1915); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Pteris*; specificEpithet: *mildbraedii*; scientificNameAuthorship: Hieron.; continent: Africa; country: Togo; countryCode: TG; locality: Danyi Kounsountou; verbatimElevation: 723; verbatimSRS: WGS84; decimalLatitude: 7.210024; decimalLongitude: 0.636543; geodeticDatum: WGS84; eventDate: 09-30-16; habitat: Coffee/cocoa based agroforest; recordNumber: AB0342; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 09-30-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 25A2C396-B74A-5E52-A651-E4FC405DD80E
- b. scientificName: *Pteris mildbraedii* Hieron.; namePublishedIn: Engl. Jahrb. 68: 415 (1915); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Pteris*; specificEpithet: *mildbraedii*; scientificNameAuthorship: Hieron.; continent: Africa; country: Togo; countryCode: TG; locality: Missahoé; verbatimElevation: 527; verbatimSRS: WGS84; decimalLatitude: 6.946945; decimalLongitude: 0.580444; geodeticDatum: WGS84; eventDate: 06-24-16; habitat: Rainforest; recordNumber: AB0062; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-24-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: CAB6479C-9727-51ED-A37E-EAA8028B4183
- c. scientificName: *Pteris mildbraedii* Hieron.; namePublishedIn: Engl. Jahrb. 68: 415 (1915); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Pteris*; specificEpithet: *mildbraedii*; scientificNameAuthorship: Hieron.; continent: Africa; country: Togo; countryCode: TG; locality: Gbadi Gawodo; verbatimElevation: 639; verbatimSRS: WGS84; decimalLatitude: 7.484727; decimalLongitude: 0.766313; geodeticDatum: WGS84; eventDate: 04-26-17; habitat: Rainforest; recordNumber: AB0510; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 04-26-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 7435BACA-8158-5A13-A79D-53A97773A386

Native status: Native

Distribution: Zone 4

Pteris similis Kuhn.

Materials

- a. scientificName: *Pteris similis* Kuhn.; namePublishedIn: v. Decken, Reis. 3(3), Bot. 21 (1879); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Pteris*; specificEpithet: *similis*; scientificNameAuthorship: Kuhn.; continent: Africa; country: Togo; countryCode: TG; locality: Katchenké; verbatimElevation: 619; verbatimSRS: WGS84; decimalLatitude: 8.196816; decimalLongitude: 0.682541; geodeticDatum: WGS84; eventDate: 10-05-16; habitat: Rainforest; recordNumber: AB0375; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 10-05-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: C6E85A16-7083-56F4-9100-6539E5BE014D
- b. scientificName: *Pteris similis* Kuhn.; namePublishedIn: v. Decken, Reis. 3(3), Bot. 21 (1879); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Pteris*; specificEpithet: *similis*; scientificNameAuthorship: Kuhn.; continent: Africa; country: Togo; countryCode: TG; locality: Danyi Apéyémé; verbatimElevation: 689; verbatimSRS: WGS84; decimalLatitude: 7.184642; decimalLongitude: 0.692076; geodeticDatum: WGS84; eventDate: 12-27-16; habitat: Rainforest; recordNumber: AB0410; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 12-27-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 4EBF79F0-0639-535E-A626-DE25E4234EBF
- c. scientificName: *Pteris similis* Kuhn.; namePublishedIn: v. Decken, Reis. 3(3), Bot. 21 (1879); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Pteris*; specificEpithet: *similis*; scientificNameAuthorship: Kuhn.; continent: Africa; country: Togo; countryCode: TG; locality: Agbo Kopé; verbatimElevation: 669; verbatimSRS: WGS84; decimalLatitude: 7.454767; decimalLongitude: 0.676454; geodeticDatum: WGS84; eventDate: 04-25-17; habitat: Rainforest; recordNumber: AB0496; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 04-25-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 49CE7365-2B61-57E1-91F2-81AC0141528B

Native status: Native

Distribution: Zone 4

Pteris togoensis Hieron.

Materials

- a. scientificName: *Pteris togoensis* Hieron.; namePublishedIn: Engl. Jahrb. 68: 402 (1915); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Pteris*; specificEpithet: *togoensis*; scientificNameAuthorship: Hieron.; continent: Africa; country: Togo; countryCode: TG; locality: Blifou; verbatimElevation: 773; verbatimSRS: WGS84; decimalLatitude: 7.022064; decimalLongitude: 0.612798; geodeticDatum: WGS84; eventDate: 08-04-16; habitat:

- Rainforest; recordNumber: AB0213; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 08-04-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 3C42F65B-9EA4-5FC7-B6DD-8CA7565D32C2
- b. scientificName: *Pteris togoensis* Hieron.; namePublishedIn: Engl. Jahrb. 68: 402 (1915); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Pteris*; specificEpithet: togoensis; scientificNameAuthorship: Hieron.; continent: Africa; country: Togo; countryCode: TG; locality: Yégué; verbatimElevation: 495; verbatimSRS: WGS84; decimalLatitude: 8.150762; decimalLongitude: 0.646497; geodeticDatum: WGS84; eventDate: 10-06-16; habitat: Wooded savannah; recordNumber: AB0381; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 10-06-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 1AED597A-2293-53D5-8F68-46852D4962E5
- c. scientificName: *Pteris togoensis* Hieron.; namePublishedIn: Engl. Jahrb. 68: 402 (1915); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Pteris*; specificEpithet: togoensis; scientificNameAuthorship: Hieron.; continent: Africa; country: Togo; countryCode: TG; locality: Souroukou; verbatimElevation: 322; verbatimSRS: WGS84; decimalLatitude: 8.756245; decimalLongitude: 0.680874; geodeticDatum: WGS84; eventDate: 07-15-17; habitat: Dry dense forest; recordNumber: AB0580; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 07-15-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 7D9DA8B4-B14D-5539-9434-0CB2E53B8A23

Native status: Native

Distribution: Zones 2 and 4

***Pteris tripartita* Sw.**

Materials

- a. scientificName: *Pteris tripartita* Sw.; namePublishedIn: Schrad., J. Bot. 1800(2): 67 (1801); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Pteris*; specificEpithet: tripartita; scientificNameAuthorship: Sw.; continent: Africa; country: Togo; countryCode: TG; locality: Badou, RNET; verbatimElevation: 333; verbatimSRS: WGS84; decimalLatitude: 7.582054548; decimalLongitude: 0.621264783; geodeticDatum: WGS84; eventDate: 04-05-13; habitat: Rainforest; recordNumber: ASM 0118; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 04-05-13; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 6826AC15-A9DD-5AB6-87ED-98654B650F9D
- b. scientificName: *Pteris tripartita* Sw.; namePublishedIn: Schrad., J. Bot. 1800(2): 67 (1801); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Pteris*; specificEpithet: tripartita; scientificNameAuthorship: Sw.; continent: Africa; country: Togo; countryCode: TG; locality: Womé, near the waterfalls; verbatimElevation: 299; verbatimSRS: WGS84; decimalLatitude: 6.857523; decimalLongitude: 0.55423; geodeticDatum: WGS84; eventDate: 01-21-18; habitat: Rainforest; recordNumber: AB0612; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 01-21-18; institutionID: Herbarium

Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 61507951-7130-5F36-B5BD-05BA945BFAA5

Native status: Native

Distribution: Zone 4

Subfamily Vittarioideae

Adiantum comoroense (Tard.) Verdc.

Material

- a. scientificName: *Adiantum comoroense* (Tard.) Verdc.; namePublishedIn: Kew Bull. 46(2): 272 (1991); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Adiantum*; specificEpithet: comoroense; scientificNameAuthorship: (Tard.) Verdc.; continent: Africa; country: Togo; countryCode: TG; habitat: Rainforest; recordedBy: Roux, J.P.; basisOfRecord: Unknown; source: Synopsis of the Lycopodiophyta and Pteridophyta of Africa, Madagascar and neighbouring islands (Roux, 2009); occurrenceID: F46A9063-890A-5FF4-972E-7D0483DCB297

Native status: Native

Distribution: Uncertain

Adiantum confine Fée.

Materials

- a. scientificName: *Adiantum confine* Fée.; namePublishedIn: Mémoires de la Société des Sciences Naturelles de Strasbourg 6, 1: 14, t. 32, fig. 1 (1866); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Adiantum*; specificEpithet: confine; scientificNameAuthorship: Fée.; continent: Africa; country: Togo; countryCode: TG; locality: Agou Nyogbo; verbatimElevation: 410; verbatimSRS: WGS84; decimalLatitude: 6.878968; decimalLongitude: 0.730342; geodeticDatum: WGS84; eventDate: 06-13-16; habitat: Coffee/cocoa based agroforest; recordNumber: AB0007; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-13-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: DFC0068F-380D-5113-A032-C18A98D2E692
- b. scientificName: *Adiantum confine* Fée.; namePublishedIn: Mémoires de la Société des Sciences Naturelles de Strasbourg 6, 1: 14, t. 32, fig. 1 (1866); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Adiantum*; specificEpithet: confine; scientificNameAuthorship: Fée.; continent: Africa; country: Togo; countryCode: TG; locality: Agou Nyogbo; verbatimElevation: 547; verbatimSRS: WGS84; decimalLatitude: 6.87801; decimalLongitude: 0.733795; geodeticDatum: WGS84; eventDate: 06-13-16; habitat: Coffee/cocoa based agroforest; recordNumber: AB0011; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-13-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.;

institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 96F04675-AA05-5038-8FE5-B7B27918BC8C

- c. scientificName: *Adiantum confine* Fée.; namePublishedIn: Mémoires de la Société des Sciences Naturelles de Strasbourg 6, 1: 14, t. 32, fig. 1 (1866); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Adiantum*; specificEpithet: *confine*; scientificNameAuthorship: Fée.; continent: Africa; country: Togo; countryCode: TG; locality: Kpimé Séva; verbatimElevation: 301; verbatimSRS: WGS84; decimalLatitude: 7.006426; decimalLongitude: 0.646555; geodeticDatum: WGS84; eventDate: 07-23-16; habitat: Rainforest; recordNumber: AB0164; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 07-23-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 611B2B34-4CF5-5D62-8979-7D61C98C45FC

Native status: Native

Distribution: Zone 4

Adiantum incisum Forsk.

Materials

- a. scientificName: *Adiantum incisum* Forsk.; namePublishedIn: Fl. Aeg.-Arab. 187 (1775); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Adiantum*; specificEpithet: *incisum*; scientificNameAuthorship: Forsk.; continent: Africa; country: Togo; countryCode: TG; locality: Mt Agou, Dalavé; verbatimElevation: 283; verbatimSRS: WGS84; decimalLatitude: 6.846671827; decimalLongitude: 0.748630421; geodeticDatum: WGS84; eventDate: 04-16-13; habitat: Rainforest; recordNumber: ASM 0306; recordedBy: Abotsi, K.E., Sodjinou E. & Mingou P.; identifiedBy: Abotsi, K.E.; dateIdentified: 04-16-13; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: E1E00C6E-8B4B-51A9-9883-E3472DDEA565
- b. scientificName: *Adiantum incisum* Forsk.; namePublishedIn: Fl. Aeg.-Arab. 187 (1775); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Adiantum*; specificEpithet: *incisum*; scientificNameAuthorship: Forsk.; continent: Africa; country: Togo; countryCode: TG; locality: Hounto; verbatimElevation: 217; verbatimSRS: WGS84; decimalLatitude: 7.684263; decimalLongitude: 1.46475; geodeticDatum: WGS84; eventDate: 10-04-16; habitat: Wooded savannah; recordNumber: AB0360; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 10-04-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 6AA6668D-0659-5739-AE5B-7E30915B7B68
- c. scientificName: *Adiantum incisum* Forsk.; namePublishedIn: Fl. Aeg.-Arab. 187 (1775); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Adiantum*; specificEpithet: *incisum*; scientificNameAuthorship: Forsk.; continent: Africa; country: Togo; countryCode: TG; locality: Tomégbé; verbatimElevation: 254; verbatimSRS: WGS84; decimalLatitude: 7.511856703; decimalLongitude: 0.601633983; geodeticDatum: WGS84; eventDate: 04-03-14; habitat: Inhabited area, on a wall; recordNumber: ASM 0351; recordedBy: Abotsi, K.E., Sodjinou E. & Mingou P.; identifiedBy: Abotsi, K.E.; dateIdentified: 04-03-14; institutionID:

Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 43F5595E-CA9E-5DE3-96B0-35A678127CD1

Native status: Native

Distribution: Zones 3 and 4

Adiantum philippense L.

Materials

- a. scientificName: *Adiantum philippense* L.; namePublishedIn: Sp. 2: 1094 (1753); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Adiantum*; specificEpithet: philippense; scientificNameAuthorship: L.; continent: Africa; country: Togo; countryCode: TG; locality: Ounabè; verbatimElevation: 506; verbatimSRS: WGS84; decimalLatitude: 7.560316; decimalLongitude: 1.019679; geodeticDatum: WGS84; eventDate: 08-05-16; habitat: Rainforest; recordNumber: AB0221; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 08-05-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 48D6E394-3D64-544A-B9A9-08D1835AA2AF
- b. scientificName: *Adiantum philippense* L.; namePublishedIn: Sp. 2: 1094 (1753); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Adiantum*; specificEpithet: philippense; scientificNameAuthorship: L.; continent: Africa; country: Togo; countryCode: TG; locality: Badou; verbatimElevation: 401; verbatimSRS: WGS84; decimalLatitude: 7.580778; decimalLongitude: 0.622699; geodeticDatum: WGS84; eventDate: 08-08-16; habitat: Rainforest; recordNumber: AB0263; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 08-08-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: C62F5C8F-C1CB-5B7C-BEE9-BD7C31B00BDB
- c. scientificName: *Adiantum philippense* L.; namePublishedIn: Sp. 2: 1094 (1753); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Adiantum*; specificEpithet: philippense; scientificNameAuthorship: L.; continent: Africa; country: Togo; countryCode: TG; locality: Sérégbéné; verbatimElevation: 528; verbatimSRS: WGS84; decimalLatitude: 7.865086; decimalLongitude: 0.739546; geodeticDatum: WGS84; eventDate: 09-17-16; habitat: Rainforest; recordNumber: AB0288; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 09-17-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 5354D3A6-BF86-5B32-BF83-846C3FEB7445

Native status: Native

Distribution: Zones 2, 3 and 4

Adiantum schweinfurthii Kuhn.

Materials

- a. scientificName: *Adiantum schweinfurthii* Kuhn.; namePublishedIn: Sitz. Ges. Naturf. Freunde Berl. 40: 40 (1869); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Adiantum*; specificEpithet: *schweinfurthii*; scientificNameAuthorship: Kuhn.; continent: Africa; country: Togo; countryCode: TG; locality: Assoukoko; verbatimElevation: 631; verbatimSRS: WGS84; decimalLatitude: 8.005067; decimalLongitude: 0.627456; geodeticDatum: WGS84; eventDate: 09-18-16; habitat: Rainforest; recordNumber: AB0311; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 09-18-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 96E59B0C-9022-5430-ADD8-08D1F88FAEC0
- b. scientificName: *Adiantum schweinfurthii* Kuhn.; namePublishedIn: Sitz. Ges. Naturf. Freunde Berl. 40: 40 (1869); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Adiantum*; specificEpithet: *schweinfurthii*; scientificNameAuthorship: Kuhn.; continent: Africa; country: Togo; countryCode: TG; locality: Dikpéléou; verbatimElevation: 717; verbatimSRS: WGS84; decimalLatitude: 8.202439; decimalLongitude: 0.614869; geodeticDatum: WGS84; eventDate: 10-05-16; habitat: Rainforest; recordNumber: AB0370; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 10-05-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 1340E2E3-63E4-5B15-8A27-953FFCE62C47
- c. scientificName: *Adiantum schweinfurthii* Kuhn.; namePublishedIn: Sitz. Ges. Naturf. Freunde Berl. 40: 40 (1869); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Adiantum*; specificEpithet: *schweinfurthii*; scientificNameAuthorship: Kuhn.; continent: Africa; country: Togo; countryCode: TG; locality: Fazao; verbatimElevation: 537; verbatimSRS: WGS84; decimalLatitude: 8.626659; decimalLongitude: 0.762768; geodeticDatum: WGS84; eventDate: 07-17-17; habitat: Dry dense forest; recordNumber: AB0591; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 07-17-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: FC08214B-7A56-5650-B024-1B27B011DD4C

Native status: Native

Distribution: Zones 2 and 4

Adiantum soboliferum Wall.

Materials

- a. scientificName: *Adiantum soboliferum* Wall.; namePublishedIn: Cat. n. 74 (1828) ex Hook., Sp. Fil. 2: 13, t. 74 A (1851); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Adiantum*; specificEpithet: *soboliferum*; scientificNameAuthorship: Wall.; continent: Africa; country:

Togo; countryCode: TG; locality: Kessibo Wawa; verbatimElevation: 193; verbatimSRS: WGS84; decimalLatitude: 7.699482; decimalLongitude: 0.59182; geodeticDatum: WGS84; eventDate: 08-07-16; habitat: Coffee/cocoa based agroforest; recordNumber: AB0253; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 08-07-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 6D5FB859-390B-506D-BFA0-90C94470D8A4

- b. scientificName: *Adiantum soboliferum* Wall.; namePublishedIn: Cat. n. 74 (1828) ex Hook., Sp. Fil. 2: 13, t. 74 A (1851); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Adiantum*; specificEpithet: *soboliferum*; scientificNameAuthorship: Wall.; continent: Africa; country: Togo; countryCode: TG; locality: Badou; verbatimElevation: 314; verbatimSRS: WGS84; decimalLatitude: 7.581881; decimalLongitude: 0.621186; geodeticDatum: WGS84; eventDate: 08-08-16; habitat: Rainforest; recordNumber: AB0257; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 08-08-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 6ED68E57-4484-5FD2-8C3A-613C06A3BE7F
- c. scientificName: *Adiantum soboliferum* Wall.; namePublishedIn: Cat. n. 74 (1828) ex Hook., Sp. Fil. 2: 13, t. 74 A (1851); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Adiantum*; specificEpithet: *soboliferum*; scientificNameAuthorship: Wall.; continent: Africa; country: Togo; countryCode: TG; locality: Alédjo; verbatimElevation: 517; verbatimSRS: WGS84; decimalLatitude: 9.272343; decimalLongitude: 1.207248; geodeticDatum: WGS84; eventDate: 07-12-17; habitat: Dry dense forest; recordNumber: AB0552; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 07-12-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 0E2C1477-729F-5459-BAAA-13782C6CCC54

Native status: Native

Distribution: Zones 2 and 4

***Adiantum vogelii* Mett. ex Kuhn.**

Materials

- a. scientificName: *Adiantum vogelii* Mett. ex Kuhn.; namePublishedIn: Fil. Afr. 66 (1868), syn., ex Keys., Mém. Ac. Imp. Sci. St. Pétersb. 22(1): 8, 31 (1875); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Adiantum*; specificEpithet: *vogelii*; scientificNameAuthorship: Mett. ex Kuhn.; continent: Africa; country: Togo; countryCode: TG; locality: Danyi N'Digbé; verbatimElevation: 572; verbatimSRS: WGS84; decimalLatitude: 7.122562; decimalLongitude: 0.654219; geodeticDatum: WGS84; eventDate: 06-28-16; habitat: Coffee/cocoa based agroforest; recordNumber: AB0141; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-28-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: FF168E6A-8C36-5CC9-96B0-18B17A280C43
- b. scientificName: *Adiantum vogelii* Mett. ex Kuhn.; namePublishedIn: Fil. Afr. 66 (1868), syn., ex Keys., Mém. Ac. Imp. Sci. St. Pétersb. 22(1): 8, 31 (1875); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Adiantum*; specificEpithet: *vogelii*; scientificNameAuthorship: Mett. ex Kuhn.;

continent: Africa; country: Togo; countryCode: TG; locality: Womé; verbatimElevation: 338; verbatimSRS: WGS84; decimalLatitude: 6.858295; decimalLongitude: 0.553963; geodeticDatum: WGS84; eventDate: 08-03-16; habitat: Rainforest; recordNumber: AB0193; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 08-03-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 4601FA5F-BA98-5EEE-87B8-90A056A7FC16

- c. scientificName: *Adiantum vogelii* Mett. ex Kuhn.; namePublishedIn: Fil. Afr. 66 (1868), syn., ex Keys., Mém. Ac. Imp. Sci. St. Pétersb. 22(1): 8, 31 (1875); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Adiantum*; specificEpithet: *vogelii*; scientificNameAuthorship: Mett. ex Kuhn.; continent: Africa; country: Togo; countryCode: TG; locality: Sérégbéné; verbatimElevation: 519; verbatimSRS: WGS84; decimalLatitude: 7.864763; decimalLongitude: 0.740484; geodeticDatum: WGS84; eventDate: 09-17-16; habitat: Rainforest; recordNumber: AB0294; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 09-17-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: DD2CCABA-0987-5D36-9383-C4029938E2E1

Native status: Native

Distribution: Zone 4

Haplopteris guineensis (Desv.) E.H.Crane

Materials

- a. scientificName: *Haplopteris guineensis* (Desv.) E.H.Crane; namePublishedIn: Syst. Bot. 22(3): 514 (1998); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Haplopteris*; specificEpithet: *guineensis*; scientificNameAuthorship: (Desv.) E.H.Crane; continent: Africa; country: Togo; countryCode: TG; locality: Danyi Dzogbégan; verbatimElevation: 715; verbatimSRS: WGS84; decimalLatitude: 7.232033; decimalLongitude: 0.67768; geodeticDatum: WGS84; eventDate: 04-24-17; habitat: Rainforest; recordNumber: AB0474; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 04-24-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: DC6A12D3-C094-55B8-BD1C-94FB4C0FE449
- b. scientificName: *Haplopteris guineensis* (Desv.) E.H.Crane; namePublishedIn: Syst. Bot. 22(3): 514 (1998); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Pteridaceae; genus: *Haplopteris*; specificEpithet: *guineensis*; scientificNameAuthorship: (Desv.) E.H.Crane; continent: Africa; country: Togo; countryCode: TG; locality: Ediwlou; verbatimElevation: 617; verbatimSRS: WGS84; decimalLatitude: 7.409637; decimalLongitude: 0.681109; geodeticDatum: WGS84; eventDate: 04-25-17; habitat: Rainforest; recordNumber: AB0487; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 04-25-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 871B9E83-ADD9-56F6-A6A5-BC600E763FF5

Native status: Native

Distribution: Zone 4

Order Salviniiales

Family Marsileaceae

Marsilea minuta L.

Materials

- a. scientificName: *Marsilea minuta* L.; namePublishedIn: Mant. Pl. 308 (1771); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Salviniiales; family: Marsileaceae; genus: *Marsilea*; specificEpithet: *minuta*; scientificNameAuthorship: L.; continent: Africa; country: Togo; countryCode: TG; locality: Dzagblé; verbatimElevation: 16; verbatimSRS: WGS84; decimalLatitude: 6.277842; decimalLongitude: 1.294171; geodeticDatum: WGS84; eventDate: 06-04-16; habitat: Floating meadow; recordNumber: AB0001; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-04-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: CFA0BDF1-9525-5116-9C29-A4A89759D711
- b. scientificName: *Marsilea minuta* L.; namePublishedIn: Mant. Pl. 308 (1771); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Salviniiales; family: Marsileaceae; genus: *Marsilea*; specificEpithet: *minuta*; scientificNameAuthorship: L.; continent: Africa; country: Togo; countryCode: TG; locality: Afito; verbatimElevation: 28; verbatimSRS: WGS84; decimalLatitude: 6.75203; decimalLongitude: 1.592489; geodeticDatum: WGS84; eventDate: 01-18-17; habitat: Flooded savannah; recordNumber: AB0463; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 01-18-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: FCBAAFB4-B3B5-5445-8390-3C33DC15C41D
- c. scientificName: *Marsilea minuta* L.; namePublishedIn: Mant. Pl. 308 (1771); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Salviniiales; family: Marsileaceae; genus: *Marsilea*; specificEpithet: *minuta*; scientificNameAuthorship: L.; continent: Africa; country: Togo; countryCode: TG; locality: Dzagblé; verbatimElevation: 16; verbatimSRS: WGS84; decimalLatitude: 6.277997; decimalLongitude: 1.294018; geodeticDatum: WGS84; eventDate: 06-04-16; habitat: Floating meadow; recordNumber: AB0002; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 06-04-16; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 127C54A6-14C5-557D-9EA4-25948C919C2F

Native status: Native

Distribution: Zone 5

Family Salviniaceae

***Azolla pinnata* var. *africana* (Desv.) R.M.K. Saunders & K. Fowler**

Materials

- a. scientificName: *Azolla pinnata* var. *africana* (Desv.) R.M.K. Saunders & K. Fowler; namePublishedIn: J. Linn. Soc. Bot. 109(3): 351 (1992); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Salviniales; family: Salviniaceae; taxonRank: Variety; genus: *Azolla*; specificEpithet: *pinnata*; infraspecificEpithet: *africana*; scientificNameAuthorship: (Desv.) R.M.K. Saunders & K. Fowler; continent: Africa; country: Togo; countryCode: TG; locality: Gbowoulé; verbatimElevation: 96; verbatimSRS: WGS84; decimalLatitude: 6.937068; decimalLongitude: 1.524374; geodeticDatum: WGS84; eventDate: 01-14-17; habitat: Floating meadow; recordNumber: AB0458; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 01-14-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 3010FDC4-1950-559D-96D3-E96F10D99E74
- b. scientificName: *Azolla pinnata* var. *africana* (Desv.) R.M.K. Saunders & K. Fowler; namePublishedIn: J. Linn. Soc. Bot. 109(3): 351 (1992); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Salviniales; family: Salviniaceae; taxonRank: Variety; genus: *Azolla*; specificEpithet: *pinnata*; infraspecificEpithet: *africana*; scientificNameAuthorship: (Desv.) R.M.K. Saunders & K. Fowler; continent: Africa; country: Togo; countryCode: TG; locality: Tchékpo Dédéko; verbatimElevation: 32; verbatimSRS: WGS84; decimalLatitude: 6.50838; decimalLongitude: 1.3388016638889; geodeticDatum: WGS84; eventDate: 07-01-17; habitat: Floating meadow; recordNumber: AB0534; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 07-01-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 4A1FE014-304F-5807-8DBF-58567468FE0E
- c. scientificName: *Azolla pinnata* var. *africana* (Desv.) R.M.K. Saunders & K. Fowler; namePublishedIn: J. Linn. Soc. Bot. 109(3): 351 (1992); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Salviniales; family: Salviniaceae; taxonRank: Variety; genus: *Azolla*; specificEpithet: *pinnata*; infraspecificEpithet: *africana*; scientificNameAuthorship: (Desv.) R.M.K. Saunders & K. Fowler; continent: Africa; country: Togo; countryCode: TG; locality: Bokpokor; verbatimElevation: 40; verbatimSRS: WGS84; decimalLatitude: 6.258994; decimalLongitude: 1.122876; geodeticDatum: WGS84; eventDate: 11-26-17; habitat: Floating meadow; recordNumber: AB0611; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 11-26-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 5E927AB7-3311-5FBB-B3D5-963DD30F09AC

Native status: Native

Distribution: Zone 5

Salvinia auriculata Aubl.

Materials

- a. scientificName: *Salvinia auriculata* Aubl.; namePublishedIn: Hist. Pl. Guiane 2: 969, t. 367 (1775); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Salviniiales; family: Salviniaceae; genus: *Salvinia*; specificEpithet: *auriculata*; scientificNameAuthorship: Aubl.; continent: Africa; country: Togo; countryCode: TG; locality: Afito; verbatimElevation: 30; verbatimSRS: WGS84; decimalLatitude: 6.751598; decimalLongitude: 1.590756; geodeticDatum: WGS84; eventDate: 02-02-17; habitat: Floating meadow; recordNumber: AB0469; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 02-02-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 7C14FB37-00FF-54C0-A5A0-200132886DAB
- b. scientificName: *Salvinia auriculata* Aubl.; namePublishedIn: Hist. Pl. Guiane 2: 969, t. 367 (1775); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Salviniiales; family: Salviniaceae; genus: *Salvinia*; specificEpithet: *auriculata*; scientificNameAuthorship: Aubl.; continent: Africa; country: Togo; countryCode: TG; locality: Afito; verbatimElevation: 28; verbatimSRS: WGS84; decimalLatitude: 6.75203; decimalLongitude: 1.592489; geodeticDatum: WGS84; eventDate: 02-03-17; habitat: Flooded savannah; recordNumber: AB0470; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 02-03-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 36ADD631-A227-5471-AD37-05CD78553246

Native status: Native

Distribution: Zone 5

Salvinia nymphellula Desv.

Materials

- a. scientificName: *Salvinia nymphellula* Desv.; namePublishedIn: Mem. Soc. Linn. Paris 6, 2: 177 (1827); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Salviniiales; family: Salviniaceae; genus: *Salvinia*; specificEpithet: *nymphellula*; scientificNameAuthorship: Desv.; continent: Africa; country: Togo; countryCode: TG; locality: Afito; verbatimElevation: 27; verbatimSRS: WGS84; decimalLatitude: 6.753214; decimalLongitude: 1.599899; geodeticDatum: WGS84; eventDate: 01-18-17; habitat: Floating meadow; recordNumber: AB0462; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 01-18-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 0FC85419-378D-5E04-BD74-0F07A03F1DF0
- b. scientificName: *Salvinia nymphellula* Desv.; namePublishedIn: Mem. Soc. Linn. Paris 6, 2: 177 (1827); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Salviniiales; family: Salviniaceae; genus: *Salvinia*; specificEpithet: *nymphellula*; scientificNameAuthorship: Desv.; continent: Africa; country: Togo; countryCode: TG; locality: Tchékpo Dédékpo; verbatimElevation: 31; verbatimSRS: WGS84; decimalLatitude: 6.520226; decimalLongitude: 1.348513; geodeticDatum: WGS84;

eventDate: 02-04-17; habitat: Floating meadow; recordNumber: AB0472; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 02-04-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 79D10FBC-C8E9-5A68-AA10-FBBF63B9D646

Native status: Native

Distribution: Zone 5

Order Schizaeales

Family Anemiaceae

Anemia sessilis (Jeanp.) C.Chr.

Materials

- a. scientificName: *Anemia sessilis* (Jeanp.) C.Chr.; namePublishedIn: Repert. Spec. Nov. Regni Veg. 9: 371 (1911); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Schizaeales; family: Anemiaceae; genus: *Anemia*; specificEpithet: *sessilis*; scientificNameAuthorship: (Jeanp.) C.Chr.; continent: Africa; country: Togo; countryCode: TG; locality: Défalé; verbatimElevation: 312; verbatimSRS: WGS84; decimalLatitude: 9.917837; decimalLongitude: 1.104178; geodeticDatum: WGS84; eventDate: 07-11-17; habitat: Dry dense forest; recordNumber: AB0541; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 07-11-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: 9E3C6189-7B19-55D5-A6D5-8568E915A4DA
- b. scientificName: *Anemia sessilis* (Jeanp.) C.Chr.; namePublishedIn: Repert. Spec. Nov. Regni Veg. 9: 371 (1911); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Schizaeales; family: Anemiaceae; genus: *Anemia*; specificEpithet: *sessilis*; scientificNameAuthorship: (Jeanp.) C.Chr.; continent: Africa; country: Togo; countryCode: TG; locality: Agaradè; verbatimElevation: 748; verbatimSRS: WGS84; decimalLatitude: 9.290947; decimalLongitude: 1.212542; geodeticDatum: WGS84; eventDate: 07-13-17; habitat: Wooded savannah; recordNumber: AB0559; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 07-13-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: F427A152-D6F8-5169-9851-FC8D9ADA6DBD
- c. scientificName: *Anemia sessilis* (Jeanp.) C.Chr.; namePublishedIn: Repert. Spec. Nov. Regni Veg. 9: 371 (1911); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Schizaeales; family: Anemiaceae; genus: *Anemia*; specificEpithet: *sessilis*; scientificNameAuthorship: (Jeanp.) C.Chr.; continent: Africa; country: Togo; countryCode: TG; locality: Alédjo Kadara; verbatimElevation: 796; verbatimSRS: WGS84; decimalLatitude: 9.246814; decimalLongitude: 1.202418; geodeticDatum: WGS84; eventDate: 07-13-17; habitat: Wooded savannah; recordNumber: AB0562; recordedBy: Abotsi, K.E.; identifiedBy: Abotsi, K.E.; dateIdentified: 07-13-17; institutionID: Herbarium Togoense; collectionID: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: FAB7EE4C-FED1-568B-A30E-F674D2304B44

Native status: Native

Distribution: Zone 2

Family Lygodiaceae

Lygodium microphyllum (Cav.) R. Br.

Material

- a. scientificName: *Lygodium microphyllum* (Cav.) R. Br.; namePublishedIn: Prodr. Fl. Nov. Holland. 162 (1810); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Schizaeales; family: Lygodiaceae; genus: *Lygodium*; specificEpithet: *microphyllum*; scientificNameAuthorship: (Cav.) R. Br.; continent: Africa; country: Togo; countryCode: TG; locality: Danyi Dzogbégan; verbatimElevation: 786; verbatimSRS: WGS84; decimalLatitude: 7.236561041; decimalLongitude: 0.688195106; geodeticDatum: WGS84; eventDate: /06/1983; habitat: Rainforest; catalogNumber: 12410; recordNumber: 7864; recordedBy: Brunel, J.-F.; identifiedBy: Brunel, J.-F.; dateIdentified: /06/1983; institutionID: Herbarium Togoense; collectionID: Brunel, J.-F.; institutionCode: TOGO; basisOfRecord: Preserved specimen; occurrenceID: EEE2B9F7-C9FA-5978-B96C-76F78D3F5566

Native status: Native

Distribution: Zone 4

Analysis

The current diversity of Pteridophytes in Togo is 134 species including 122 spontaneous species (native or naturalised) and 12 species obviously introduced mainly for horticultural purposes. These species are divided into 53 genera, 25 families, 12 orders, 4 subclasses and 2 classes. The Polypodiales and the Selaginellales are the most diversified orders with respectively 97 and 14 species. The most representative families are Pteridaceae (24 species), Aspleniaceae (22 species) and Selaginellaceae (14 species). In contrast, 11 families are represented by only 1 species each (Fig. 2).

Discussion

With a diversity now estimated at 134 species including 12 exotics, the present study provides the first checklist of Togolese Pteridophytes based on an integrative approach combining newly collected specimens and data from the literature, mostly by Alston (1959), Roux (2009) and Abotsi et al. (2015). The checklist for the country is consequently complemented by 12 exotic species and 61 spontaneous species. Alston (1959), Roux (2009)

Regarding the species previously mentioned for the country, it appears that seven species, listed by Roux (2009), were not confirmed by any specimens, neither in the herbaria consulted, nor in the GBIF databases. These species are *Crepidomanes minutum* (Blume)

K.Iwats. (as *Crepidomanes mannii* (Hook) J.P.Roux; see Dubuisson et al. 2013), *Didymoglossum erosum* (Willd.) J.P.Roux, *Asplenium blastophorum* Hieron., *Asplenium uhligii* Hieron, *Oleandra distenta* Kunze, *Triplophyllum heudelotii* Pic.Serm and *Triplophyllum subquinquefidum* (P.Beauv.) Pic.Serm. Even if it is possible that Roux (2009) mentioned the occurrence of these species by extrapolation of their known and documented ranges, it is also possible that specimens do support this occurrence without being available in online databases. In addition, we were also unable to confirm their presence in the new samples collected in the context of our recent collections which were, however, focused on ferns between 2013 and 2017 for this study. This could result from a drastic decrease in the local range of these species following the loss of their primary habitat and their confinement in forest relics. Indeed, the increasing deforestation in Togo (Adjossou 2009, Kokou 1998, Nadjombe 1992), which has been underway for several decades, has as its main consequence, the degradation and fragmentation of habitats, which generally remain only in the form of forest relics (Kokou and Caballé 2000) in more or less inaccessible places. Our investigations did not reach some very difficult to access sites and these may therefore abound with interesting biodiversity.

By comparing Togo's ecological and climatic conjectures with its neighbouring regions, there may still be spontaneous species to discover. Indeed, Pteridophytes from the neighbouring regions of Togo are estimated at 42 species, 165 species and 25 species respectively for Benin (Akoègninou et al. 2006), Ghana (Alston 1959, Hassler and Schmitt 2017) and Burkina Faso (Thiombiano et al. 2012).

However, it is very difficult to confirm the number of species provided by Fousseni et al. (2014), indicating a local diversity of 126 species including 15 exotics, since the authors did not present a list of species for this purpose. Until 2013, at the beginning of this study, Pteridophytes' preserved specimens available at the herbarium TOGO do not comprise more than 20 species. Indeed, so far, specimens of plants collected in the country were not always deposited in the institutions provided for this purpose, which also prompted a resumption of field collection for this study.

Finally, since the control mechanisms for plant species in transit to and across Togo national borders are not sufficiently rigorous, it is possible that the list of introduced Pteridophytes species in Togo (12 at all), accidentally or knowingly for horticultural purposes, is incomplete. Ongoing collections of biological data from horticulturists and custom services would greatly improve this list.

Conclusion

This study estimates the diversity of Pteridophytes in Togo to 134 species, comprising 122 spontaneous species and 12 introduced species for horticultural purposes. This flora is very diverse at supra-specific levels, with 53 genera divided into 24 families and 12 orders, from which 3 belong to Lycophytes. It provides 73 new species for the Togolese flora.

Although future investigations in both isolated areas and protected areas might reveal additional taxa, this study resulted in the first checklist of pteridophytes of Togo, that should set the stage for a Flora of the Pteridophytes in Togo which is still unavailable to date.

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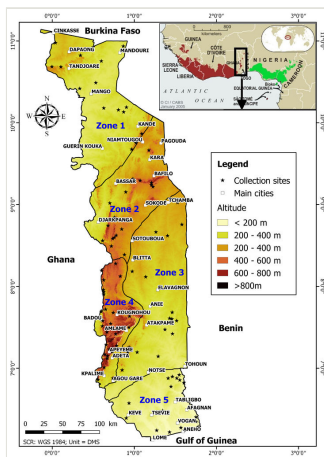


Figure 1. Study area (ecological subdivisions based on Ern (1979) and relief from SRTM2 scenes).

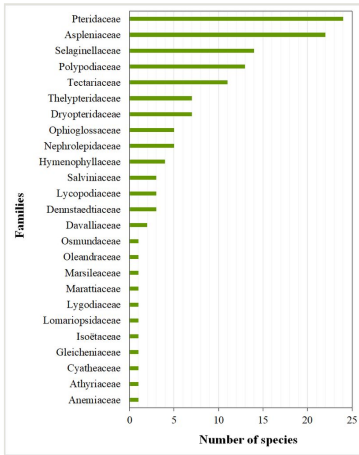


Figure 2.
Species diversity of Pteridophytes families occurring in Togo