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Taxonomic Paper

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

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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 (Teyssèdre 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.

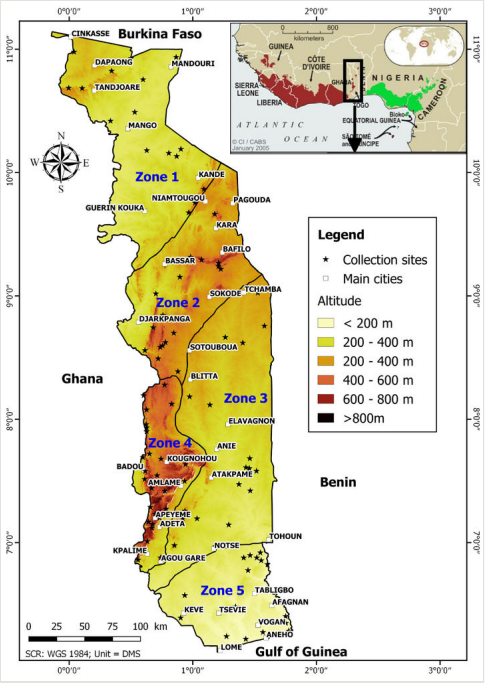

Figure 1. doi

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

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

b. 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: 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

c. 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: 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

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) [epublished]; 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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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: Tchatchaminadè; 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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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: Fazao; 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

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

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

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

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

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

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

Native status: Native

Distribution: Zone 3

Subclass Polypodiidae

Order Cyatheales

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: Cyatheales; 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

b. scientificName: Alsophila camerooniana (Hook.) R. M. Tryon; namePublishedIn: Contr. Gray Herb. 200: 30 (1970); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Cyatheales; 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

c. scientificName: Alsophila camerooniana (Hook.) R. M. Tryon; namePublishedIn: Contr. Gray Herb. 200: 30 (1970); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Cyatheales; 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

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

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

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

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)

Native status: Native

Distribution: Zone 4

Didymoglossum chamaedrys (Taton) J. P. Roux

Material

a. scientificName: Didymoglossum chamaedrys (Taton) J. P. Roux; namePublishedIn: Strelitzia 23: 41 (2009); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Hymenophyllales; family: Hymenophyllaceae; genus: *Didymoglossum*; specificEpithet: chamaedrys; 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

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)

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

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

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

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

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

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

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)

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: Polypodiales; 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

b. scientificName: Asplenium buettneri Sem.; namePublishedIn: Deutsche Zentralafr. Exp. 2: 23 (1910); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; 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

c. scientificName: Asplenium buettneri Sem.; namePublishedIn: Deutsche Zentralafr. Exp. 2: 23 (1910); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; 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

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: Polypodiales; 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

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

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

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

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

Native status: Not native

Distribution: In gardens

Asplenium diplaziosorum Hieron.

Materials

a. scientificName: Asplenium diplaziosorum Hieron.; namePublishedIn: Engl. Jahrb. 46: 351 (1911) (diplazisorum); 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

b. scientificName: Asplenium diplaziosorum Hieron.; namePublishedIn: Engl. Jahrb. 46: 351 (1911) (diplazisorum); 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

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-Dzigbé; 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

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-Dzigbé; 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

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-Dzigbé; 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

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

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

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

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

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: Abotsi, K.E.; institutionCode: TOGO; basisOfRecord: Preserved specimen

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

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

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

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

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

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

Native status: Native

Distribution: Zone 4

Asplenium megalura Hieron.

Material

a. scientificName: Asplenium megalura Hieron.; namePublishedIn: Deutsche Zentralafr. Exp. 2: 17 (1910); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; 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

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: Polypodiales; 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

Native status: Not native

Distribution: In gardens

Asplenium stuhlmannii Hieron.

Material

a. scientificName: Asplenium stuhlmannii Hieron.; namePublishedIn: Engl., Pflw. Ostafr. C: 83 (1895); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; 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

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)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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: Polypodiales; 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

b. scientificName: Dryopteris athamantica (Kunze) Kuntze; namePublishedIn: Rev. Gen. Pl. 2: 812 (1891); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; 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

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

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

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

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

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

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-Dzigbé; 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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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)

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

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

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

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

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

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

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

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

Native status: Native

Distribution: Zones 2 and 4

Microsorum musifolium (Blume) Copel.

Material

a. scientificName: Microsorum musifolium (Blume) Copel.; namePublishedIn: Univ. Calif. Publ. Bot. 16: 111-116 (1929); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Polypodiaceae; genus: *Microsorum*; 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

Native status: Not native

Distribution: In gardens

Microsorum punctatum (L.) Copel.

Materials

a. scientificName: Microsorum punctatum (L.) Copel.; namePublishedIn: Univ. Calif. Publ. Bot. 16: 110 (1929); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Polypodiaceae; genus: *Microsorum*; 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

b. scientificName: Microsorum punctatum (L.) Copel.; namePublishedIn: Univ. Calif. Publ. Bot. 16: 110 (1929); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Polypodiaceae; genus: *Microsorum*; 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

c. scientificName: Microsorum punctatum (L.) Copel.; namePublishedIn: Univ. Calif. Publ. Bot. 16: 110 (1929); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Polypodiaceae; genus: *Microsorum*; 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

Native status: Native

Distribution: Zone 4

Microsorum scolopendria (Burm.f.) Copel.

Materials

a. scientificName: Microsorum scolopendria (Burm.f.) Copel.; namePublishedIn: Univ. Calif. Publ. Bot. 16. 112. (1929); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Polypodiaceae; genus: *Microsorum*; 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

b. scientificName: Microsorum scolopendria (Burm.f.) Copel.; namePublishedIn: Univ. Calif. Publ. Bot. 16. 112. (1929); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Polypodiaceae; genus: *Microsorum*; 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

c. scientificName: Microsorum scolopendria (Burm.f.) Copel.; namePublishedIn: Univ. Calif. Publ. Bot. 16. 112. (1929); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Polypodiales; family: Polypodiaceae; genus: *Microsorum*; 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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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-Dzigbé; 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

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

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

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-Dzigbé; 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

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

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

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)

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

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

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

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

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

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

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

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

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)

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

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

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

Native status: Native

Distribution: Zone 4

Suborder Pteridineae

Family Pteridaceae

Subfamily Cheilanthoideae

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

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

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

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

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

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: Aménosodzi; 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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Native status: Native

Distribution: Zone 4

Order Salviniales

Family Marsileaceae

Marsilea minuta L.

Materials

a. scientificName: Marsilea minuta L.; namePublishedIn: Mant. Pl. 308 (1771); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Salviniales; 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

b. scientificName: Marsilea minuta L.; namePublishedIn: Mant. Pl. 308 (1771); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Salviniales; 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

c. scientificName: Marsilea minuta L.; namePublishedIn: Mant. Pl. 308 (1771); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Salviniales; 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

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

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 Dédékpo; 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

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

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: Salviniales; 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

b. scientificName: Salvinia auriculata Aubl.; namePublishedIn: Hist. Pl. Guiane 2: 969, t. 367 (1775); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Salviniales; 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

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: Salviniales; 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

b. scientificName: Salvinia nymphellula Desv.; namePublishedIn: Mem. Soc. Linn. Paris 6, 2: 177 (1827); kingdom: Plantae; phylum: Pteridophyta; class: Polypodiopsida; order: Salviniales; 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

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

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

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

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

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).

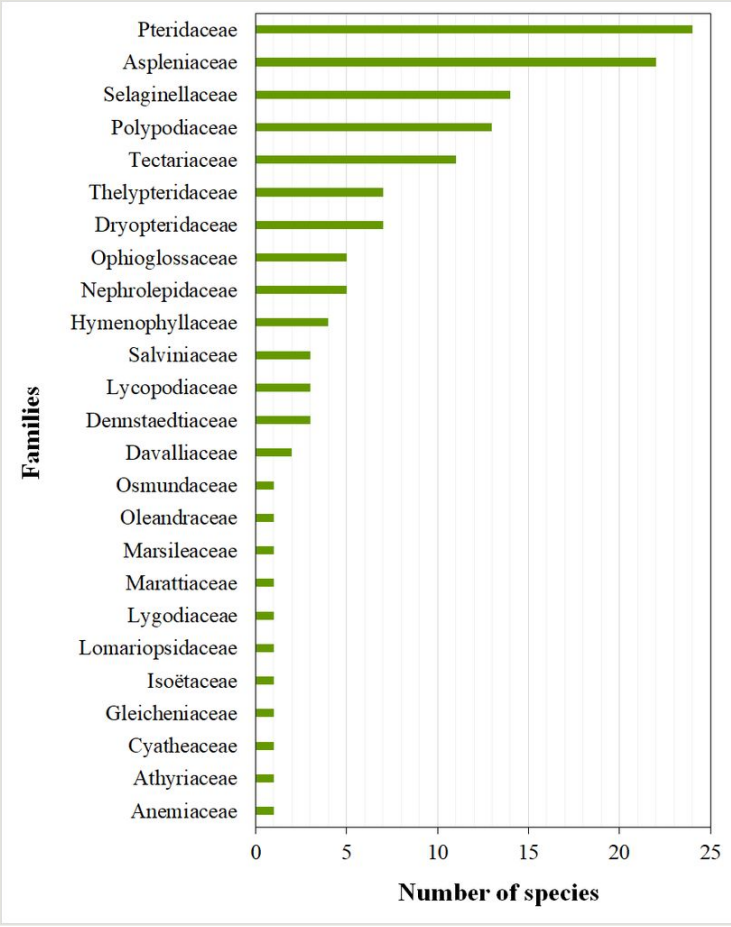

Figure 2. doi

Species diversity of Pteridophytes families occurring in Togo

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 occurence of these species by extrapolation of their known and documented ranges, it is also possible that specimens do support this occurence 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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