Ex situ Gap Analysis

Report generate from the GAMMA application

date: 2025-07-07

Summary of results for Taxus floridana

The gap analysis was conducted using a total of 54 records. Of these 20 were germplasm records and 34 were reference records. The relationship between these observation types is recorded by a sampling representativeness score.

A buffer size of 1 was used to generate the results for the ecological and geographic representativeness score. The average for these three scores is used to calculate a final exsitu conservation score.

Sampling Representativeness Score: 37.04. Geographic representativeness score: 38.23

Ecological representativeness score: 100. Final conservation score: 58.42. Definitions of ex situ gap analysis scores are below.

Map

100

80

60

40

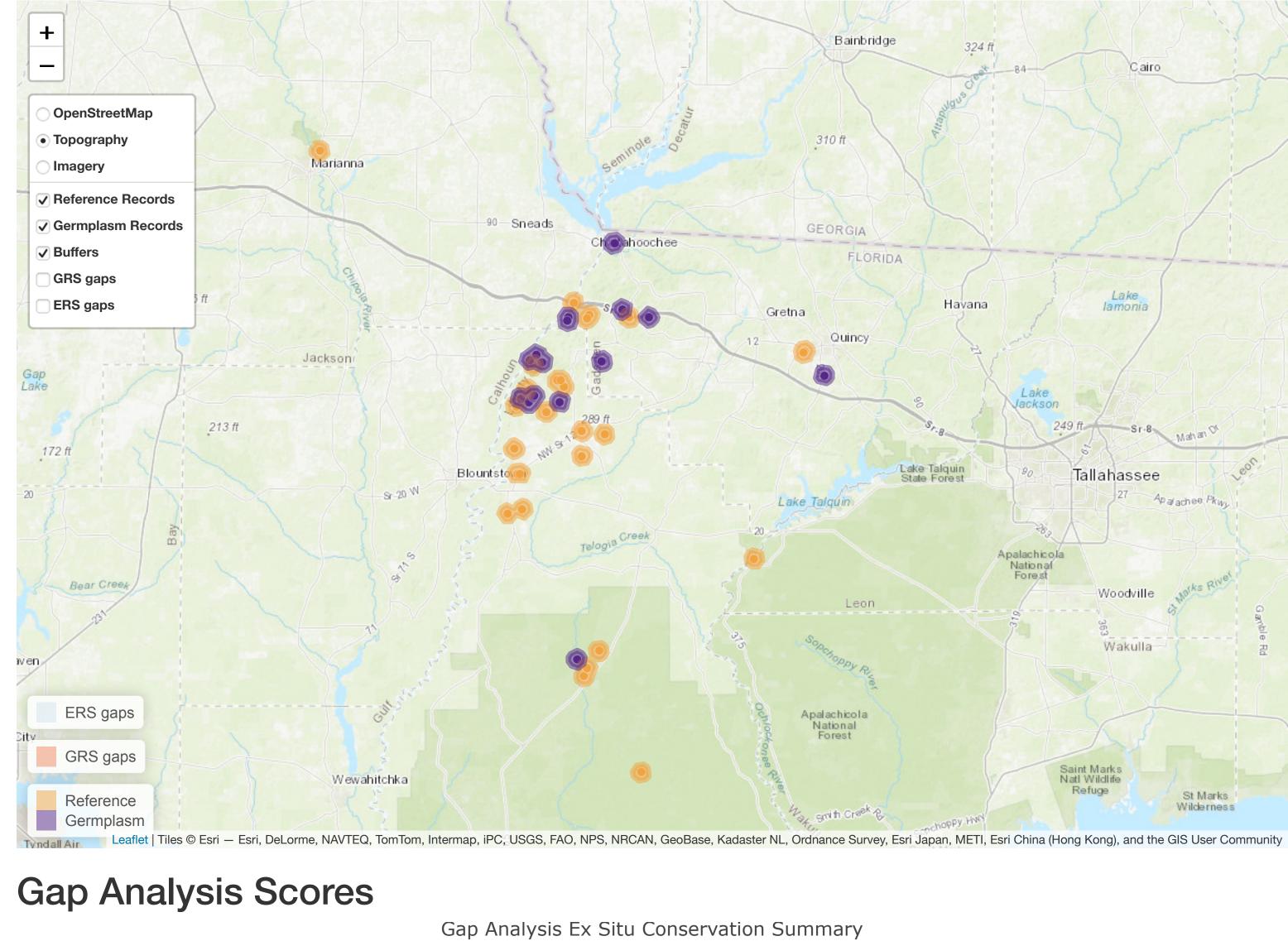
20

0

Show 10 ♦ entries

Accession \

Number



id00420 Taxus G 2019 floridana

Taxon |

Name

Current

Type

Germplasm |

Sampling Representativeness Score

Table of gap analysis Data

The following table contains all the records that were used to generate the gap analysis results.

Collection |

Date

| id00447 | Taxus floridana | G | 2019 | upload | HUMAN_OBSERVATION | |
|---------|-----------------|---|------|--------|-------------------|--|
| id00499 | Taxus floridana | G | 2019 | upload | HUMAN_OBSERVATION | |

Geographic Representativeness Score

source

upload

Locality

Ecological Representativeness Score

Latitude

 $\times\!\!\!\times\!\!\!\times\!\!\!\!\times$

Longitude

 $\times\!\!\times\!\!\times\!\!$

class

Search:

Collector

HUMAN_OBSERVATION

Final Representativeness Score

| id00499 | Taxus | G | 2019 | upload | HUMAN_OBSERVATION | | |
|---------|--------------------|---|------|--------|--------------------|--|--|
| 1000499 | floridana | g | 2019 | иріоац | HOWAIN_OBSERVATION | | |
| id00543 | Taxus | G | 2019 | upload | HUMAN_OBSERVATION | | |
| id00297 | Taxus floridana | G | 2012 | upload | HUMAN_OBSERVATION | | |
| id01113 | Taxus | G | 1990 | upload | HUMAN_OBSERVATION | | |
| id01322 | Taxus floridana | G | | upload | HUMAN_OBSERVATION | | |
| id01065 | Taxus | G | | upload | HUMAN_OBSERVATION | | |
| id00237 | Taxus | G | | upload | HUMAN_OBSERVATION | | |

Definitions of occurrence data categories Germplasm Records (G): Occurrences in which a living sample (via plant or seed) is present in an (ex situ), conservation system (i.e., botanical garden, seed bank, genebank, etc.).

situ repositories to reference/voucher (H) records for each taxon.

Reference Records (H): Occurrences that have a supporting herbarium or other reference record.

G

Taxus

Showing 1 to 10 of 54 entries

floridana

id00258

Sampling Representativeness Score (SRS) Ex situ: The Sampling Representativeness Score ex situ (SRS ex situ) calculates the ratio of germplasm accessions (G) available in ex

Previous

upload

HUMAN_OBSERVATION

5

Next

Ex situ: The Geographic Representativeness Score ex situ (GRS ex situ) uses a user defined km-radius buffer created around each G

Geographic Representativeness Score (GRS)

collection coordinate point to estimate geographic areas already well collected within the distribution of each taxon, also created using buffers around H reference points. This is calculated as the proportion of the distribution covered by the G buffers.

Ecological Representativeness Score (ERS)

Ex situ: The Ecological Representativeness Score ex situ (ERS ex situ) calculates the proportion of terrestrial ecoregions represented within the G buffered areas out of the total number of ecoregions occupied by the potential distribution.

Ex situ: The Final Conservation Score ex situ (FCS ex situ) was derived by calculating the average of the three ex situ conservation metrics. **Prioritization using FSC**

Final Conservation Score (FCS)

In considering the analysis of multiple species, FSC may be used to aid prioritize species action with Urgent Priority (UP) for further conservation action assigned when FCS < 25, High Priority (HP) assigned when 25 ≤ FCS < 50, Medium Priority (MP) when 50 ≤ FCS < 75, and Low Priority (LP) when FCS ≥75.