

# Ex situ Gap Analysis

Report generate from the [GAMMA application](#)

date: 2025-07-07

## Summary of results for Taxus contorta

The gap analysis was conducted using a total of 166 records. Of these 1 were germplasm records and 165 were reference records.

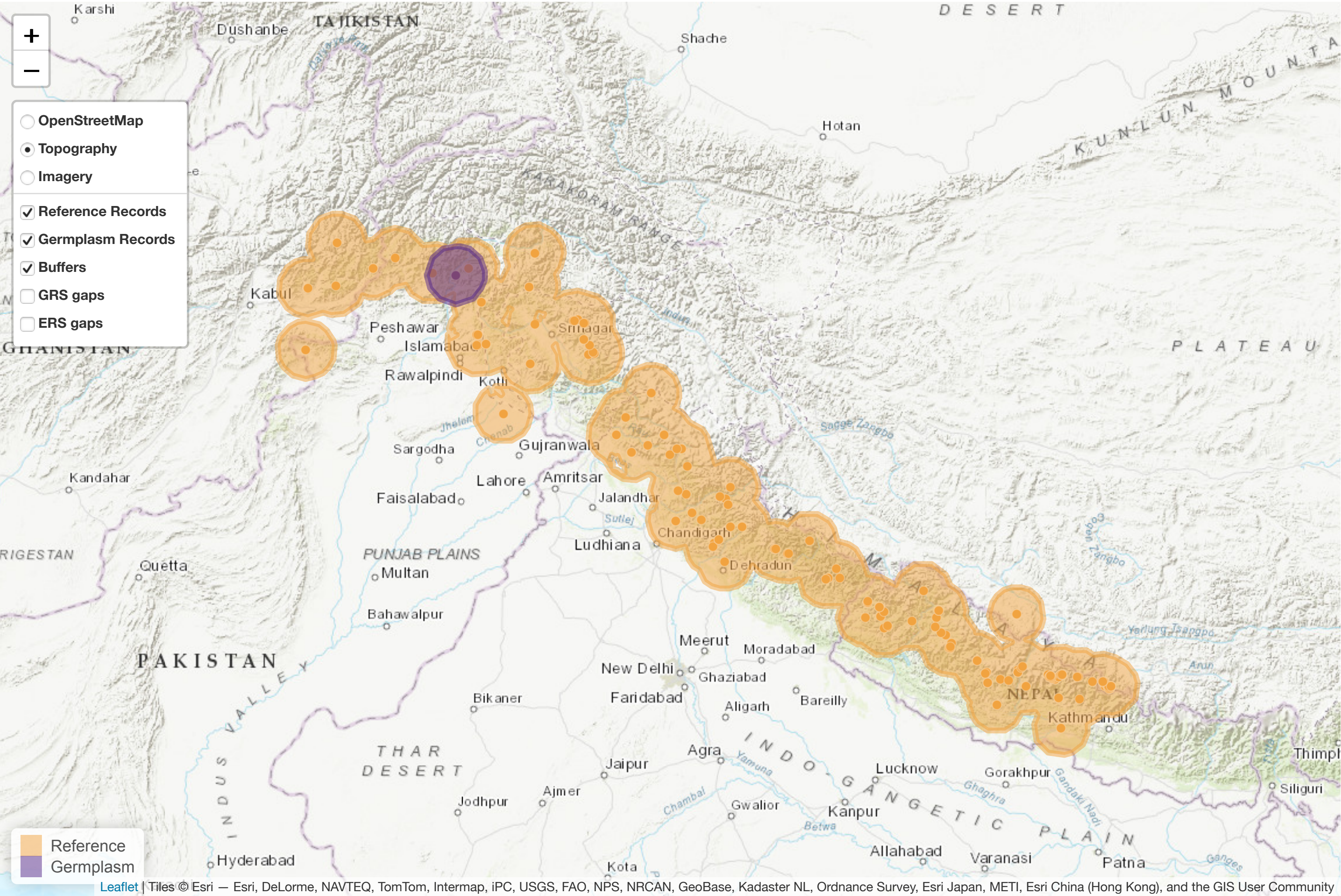
The relationship between these observation types is recorded by a sampling representativeness score.  
A buffer size of 50 was used to generate the results for the ecological and geographic representativeness score.

The average for these three scores is used to calculate a final exsitu conservation score.

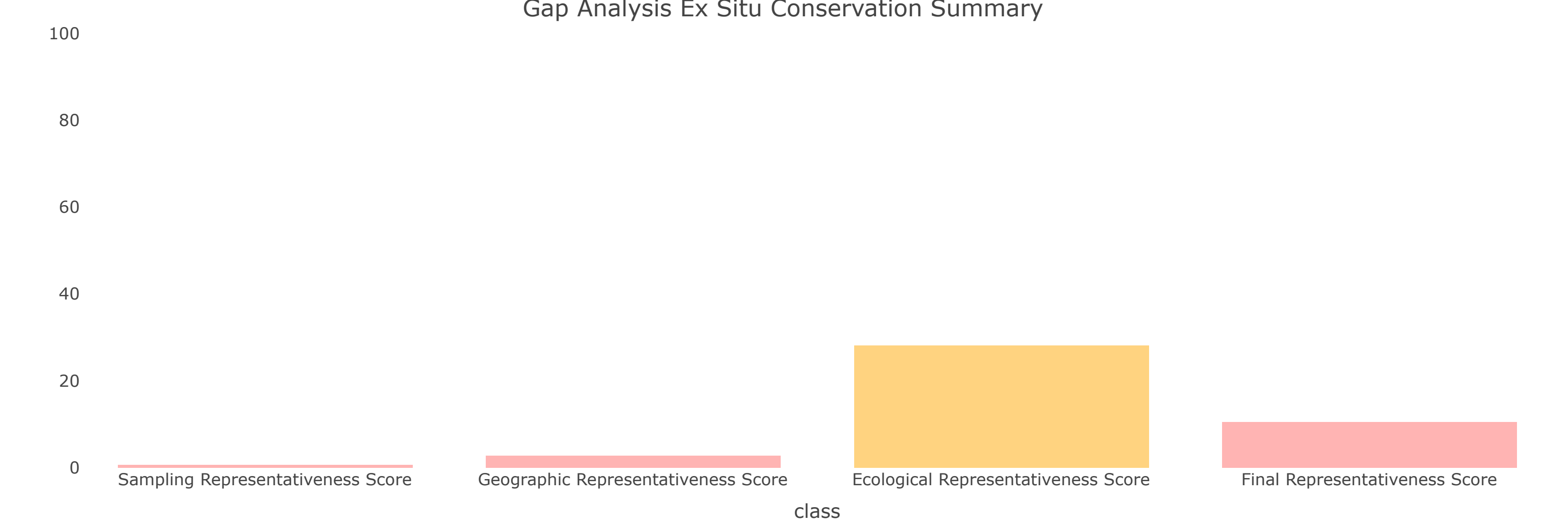
**Sampling Representativeness Score:** 0.6.  
**Geographic representativeness score:** 2.75  
**Ecological representativeness score:** 28.12.  
**Final conservation score:** 10.49.

Definitions of ex situ gap analysis scores are below.

## Map



## Gap Analysis Scores



## Table of gap analysis Data

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

Show  entries

Search:

Accession Number	Taxon Name	Current Germplasm Type	Collection Date	source	Locality	Collector	Latitude	Longitude
id09934	Taxus contorta	H	2020	upload		UNKNOWN	██████████	██████████
id09935	Taxus contorta	H	2020	upload		UNKNOWN	██████████	██████████
id09936	Taxus contorta	H	2020	upload		UNKNOWN	██████████	██████████
id09939	Taxus contorta	H	2020	upload		UNKNOWN	██████████	██████████
id09940	Taxus contorta	H	2020	upload		UNKNOWN	██████	██████████
id09941	Taxus contorta	H	2020	upload		UNKNOWN	██████████	██████
id09942	Taxus contorta	H	2020	upload		UNKNOWN	██████████	██████████
id09943	Taxus contorta	H	2020	upload		UNKNOWN	██████████	██████████
id09944	Taxus contorta	H	2020	upload		UNKNOWN	██████	██████████
id09945	Taxus contorta	H	2020	upload		UNKNOWN	██████	██████████

Showing 1 to 10 of 166 entries

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12345...17

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### 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.).

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

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

### Geographic Representativeness Score (GRS)

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

### Final Conservation Score (FCS)

**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

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.