



# Bombus terrestris and native bumblebee monitoring

## 1. IDENTIFICATION INFORMATION

Name	Bombus terrestris and native bumblebee monitoring
Metadata Identifier	bumblebee20230727062438-DIAS20221121113753-en

## 2. CONTACT

### 2.1 CONTACT on DATASET

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### 2.2 CONTACT on PROJECT

#### 2.2.1 Data Integration and Analysis System

Name	DIAS Office
Organization	Japan Agency for Marine-Earth Science and Technology
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## 3. DOCUMENT AUTHOR

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## 4. DATASET CREATOR

Name	Conservation Ecology Laboratory
Organization	The University of Tokyo
E-mail	busters@cons.es.a.u-tokyo.ac.jp

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## 5. DATE OF THIS DOCUMENT

2023-07-27

## 6. DATE OF DATASET

creation : 2007-03-31

revision : 2008-03-31

revision : 2009-03-31

publication : 2008-10-29

## 7. DATASET OVERVIEW

### 7.1 Abstract

This data set is data of captured or monitored *Bombus terrestris* in Hokkaido, Japan, which was designated as Invasive Alien Species by Invasive Alien Species Act. Data also includes monitoring data of native bumblebee species. Recorded data is date, place, name of species, behavior and caste, etc., and compiled annually. Participatory monitoring system is applied for data collecting. Most of monitors are local residents in Hokkaido.

### 7.2 Topic Category(IS019139)

environment

### 7.3 Temporal Extent

Begin Date	2006-04-01
End Date	2010-03-31
Temporal Characteristics	Active season of bumblebees. From March to November.

### 7.4 Geographic Bounding Box

North latitude	bound	46
West longitude	bound	140
Eastbound longitude		146
South latitude	bound	41

### 7.5 Grid

### 7.6 Geographic Description

Hokkaido, Japan

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## 7.7 Keywords

### 7.7.1 Keywords on Dataset

Keyword Type	Keyword	Keyword thesaurus Name
theme	Biosphere > Ecological Dynamics > Community Dynamics > Invasive Species	GCMD_science
theme	Biological Classification > Animals/Invertebrates > Arthropods > Hexapods > Insects	GCMD_science

### 7.7.2 Keywords on Project

#### 7.7.2.1 Data Integration and Analysis System

Keyword Type	Keyword	Keyword thesaurus Name
theme	DIAS &gt; Data Integration and Analysis System	No_Dictionary

## 7.8 Online Resource

: <https://dias.ex.nii.ac.jp/seiyou/>

file download : <https://data.diasjp.net/dl/storages/filelist/dataset:148>

## 7.9 Data Environmental Information

## 7.10 Distribution Information

name	version	specification
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# 8. DATA PROCESSING

## 8.1 Data Processing (1)

### 8.1.1 General Explanation of the data producer's knowledge about the lineage of a dataset

Data was collected through the participatory monitoring system, and most of monitors are the local residents in Hokkaido. Monitors conduct occasional monitoring during the active season of bumblebees. When they capture/monitor *Bombus terrestris*, they record the date, weather, temperature, place, behavior (name of flower species in case of flower visiting) and caste. In the case that native bumblebee species is monitored, the name of species should be added to the recorded data. These data are sent to data manager for processing.

### 8.1.2 Data Source

Data Source Citation Name	Description of derived parameters and processing techniques used
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## 9. DATA REMARKS

Data in 2006 is not released due to being unprocessed.

## 10. DATA POLICY

### 10.1 Data Policy by the Data Provider

Whenever this data set is used for presentations and publications, author(s) shall specify the acknowledgement for citizen volunteers who provided the data and who contributed the promotion of this monitoring activity.

### 10.2 Data Policy by the Project

#### 10.2.1 Data Integration and Analysis System

If data provider does not have data policy, DIAS Terms of Service (<https://diasjp.net/en/terms/>) and DIAS Privacy Policy (<https://diasjp.net/en/privacy/>) apply.

If there is a conflict between DIAS Terms of Service and data provider's policy, the data provider's policy shall prevail.

## 11. LICENSE

## 12. DATA SOURCE ACKNOWLEDGEMENT

### 12.1 Acknowledge the Data Provider

### 12.2 Acknowledge the Project

#### 12.2.1 Data Integration and Analysis System

If you plan to use this dataset for a conference presentation, paper, journal article, or report etc., please include acknowledgments referred to following examples. If the data provider describes examples of acknowledgments, include them as well.

” In this study, [Name of Dataset] provided by [Name of Data Provider] was utilized. This dataset was also collected and provided under the Data Integration and Analysis System (DIAS), which was developed and operated by a project supported by the Ministry of Education, Culture, Sports, Science and Technology. ”

## 13. REFERENCES