

HISTORICAL JAPANESE MAPS ONLINE

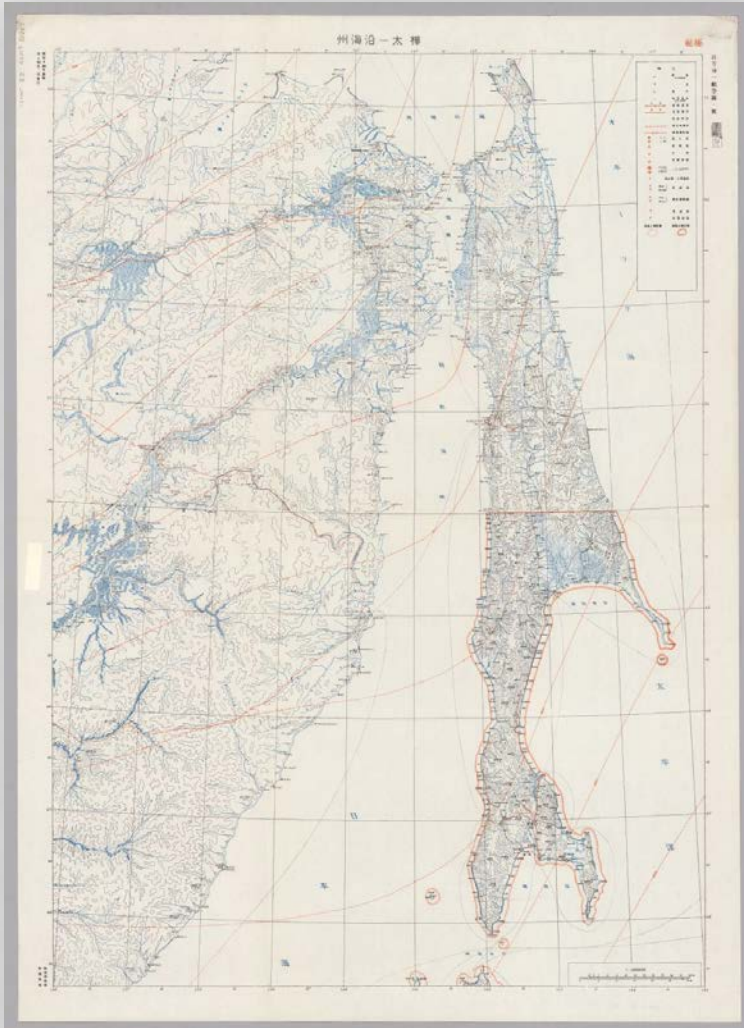
PRESERVATION AND ACCESS
AT STANFORD UNIVERSITY

Julie Sweetkind-Singer
Stanford University
March 3, 2018

OUTLINE

- Explanation of the military and imperial maps
- What's held at Stanford
- How the maps arrived at Stanford and the United States
- The project
 - Organizing
 - Cataloging
 - Scanning
 - Discovery
- Resources

GAIHOZU MAPS: HISTORY



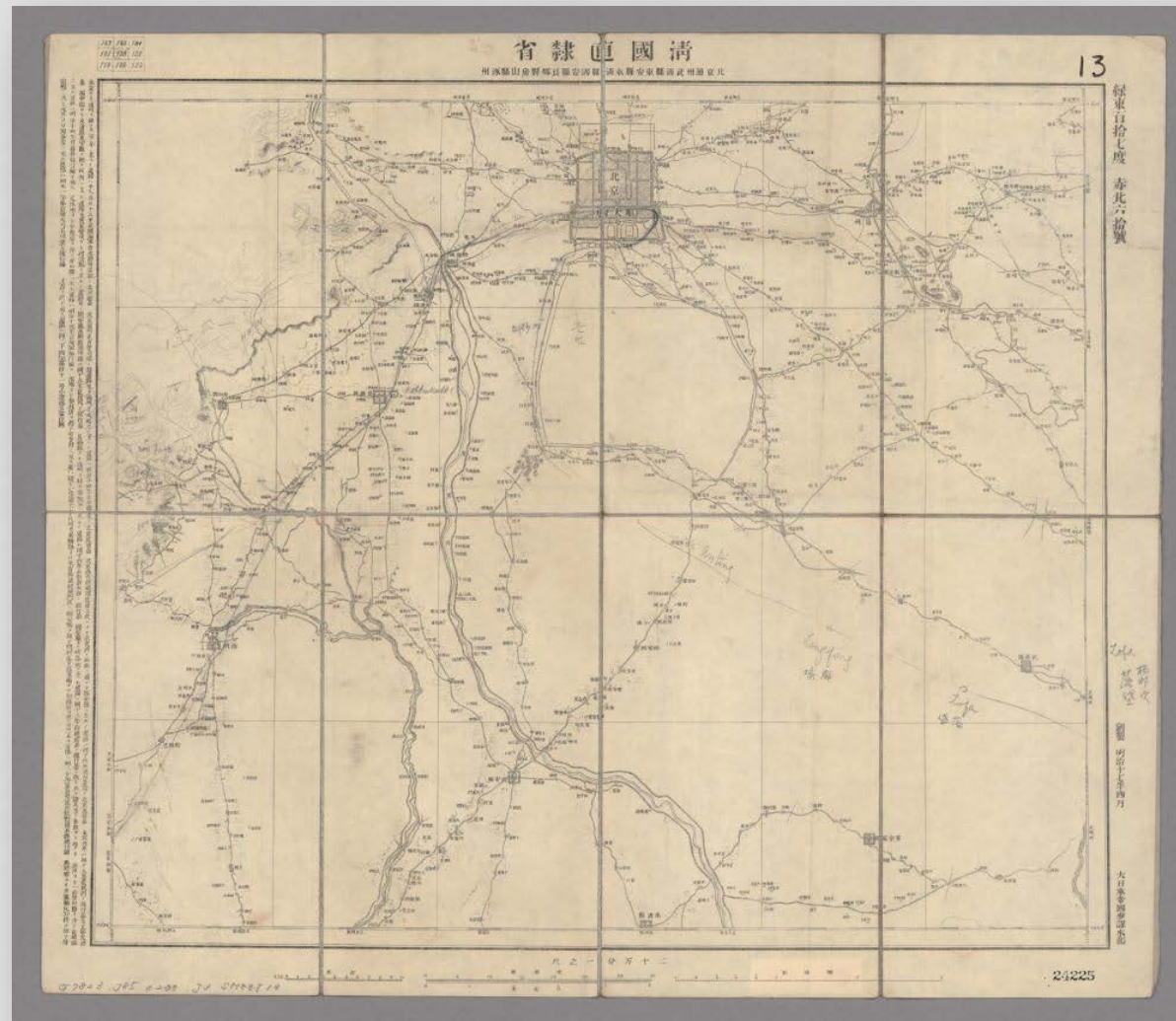
Hyakumanbunnoichi Kōkūzu.

百万分一航空圖

1939

<https://purl.stanford.edu/gv396hb8458>

GAIHOZU MAPS: HISTORY



Shinkoku
[nijūmanbun
ichi zu]
清國
[二十万分一圖]
1884
<https://purl.stanford.edu/jr178ws4012>

STANFORD'S HOLDINGS

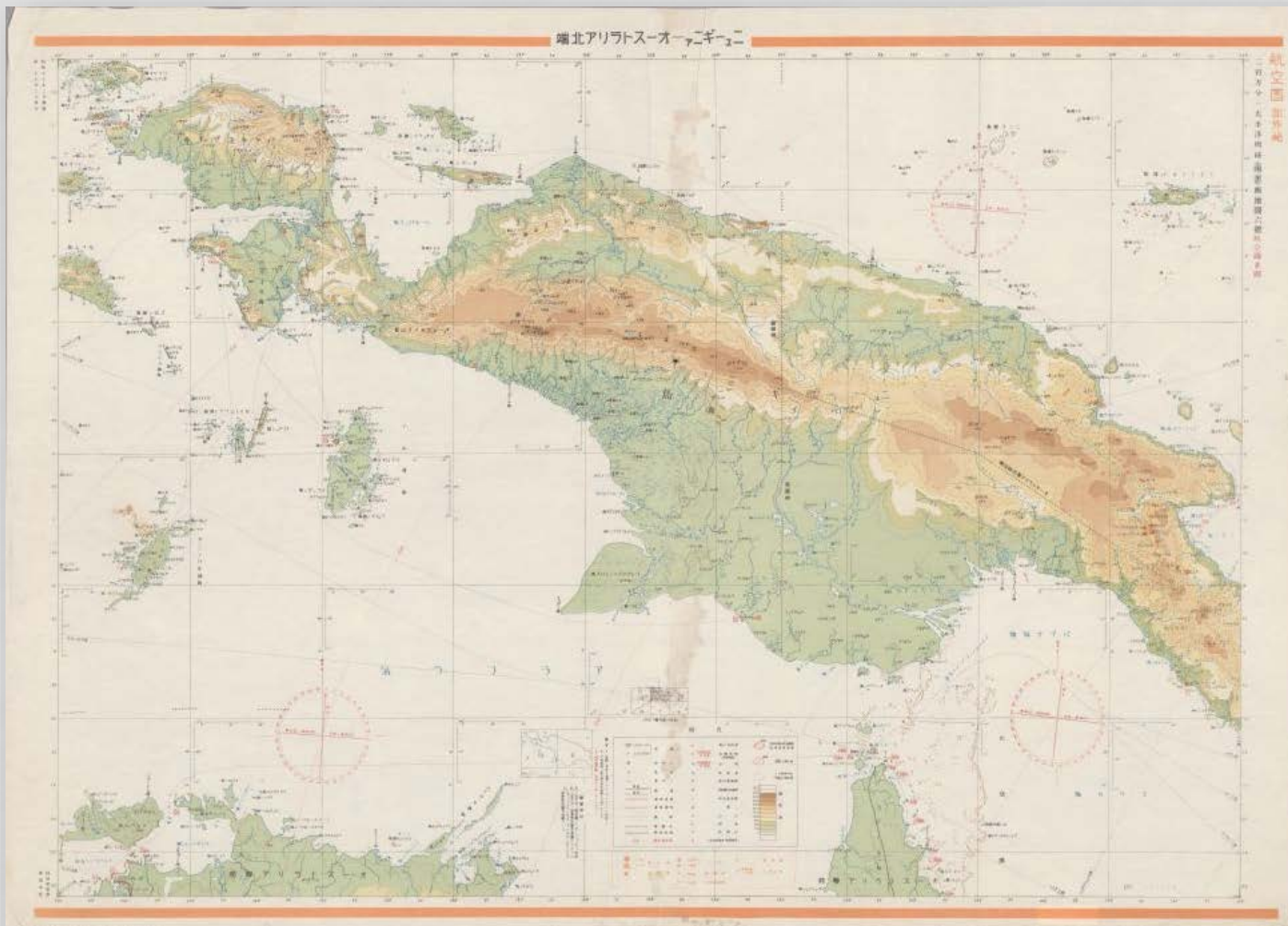
- Scales:
 - Topographic maps — 1:20,000; 1:25,000; 1:50,000; 1:100,000; and 1:200,000
 - Aeronautical charts — 1:1,000,000 and 1:2,000,000
- Estimated Amount:
 - Manchuria — over 4,000 maps
 - Korean Peninsula — 3,000 ~ 4,000 maps
 - Siberia, East Russia, and Mongolia — over 2,000 maps
 - Japan (including Hokkaido and Ryukyu Islands) — over 2,000 maps
 - Taiwan — over 1,000 maps
 - Mainland China (excluding Manchuria and Mongolia) — over 500 maps
 - Pacific Islands — over 200 maps
 - Philippines — 200 maps
 - South and Southeast Asia — to be determined

TOPOGRAPHIC



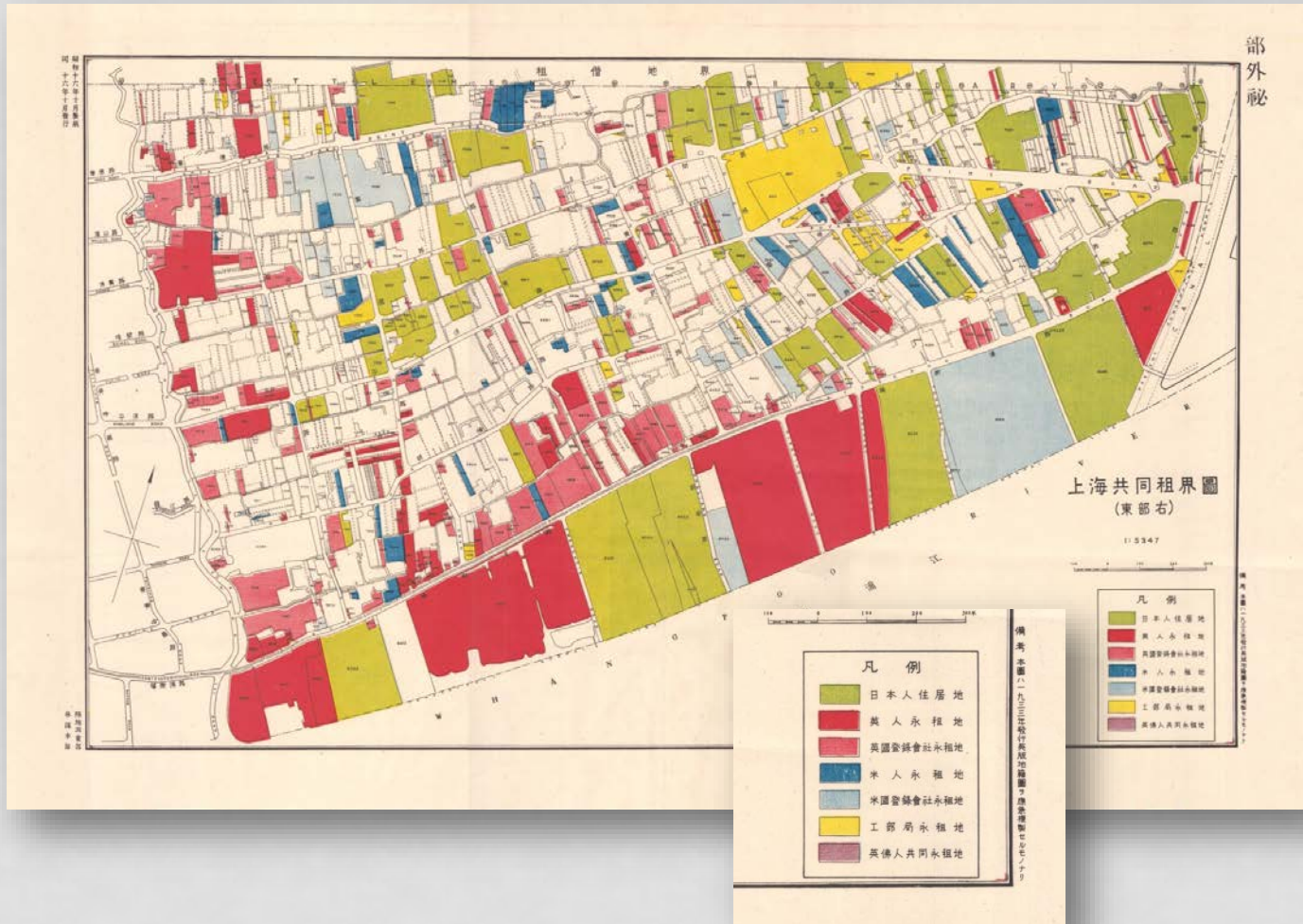
Yokohama, Japan
五万分一地形圖
1:50,000
Map series began 1888-

AERONAUTICAL CHARTS



Papua New
Guinea
1:2,000,000
1943

CITY PLANS



Shanghai, China
1:5,000 (approx.)
1941

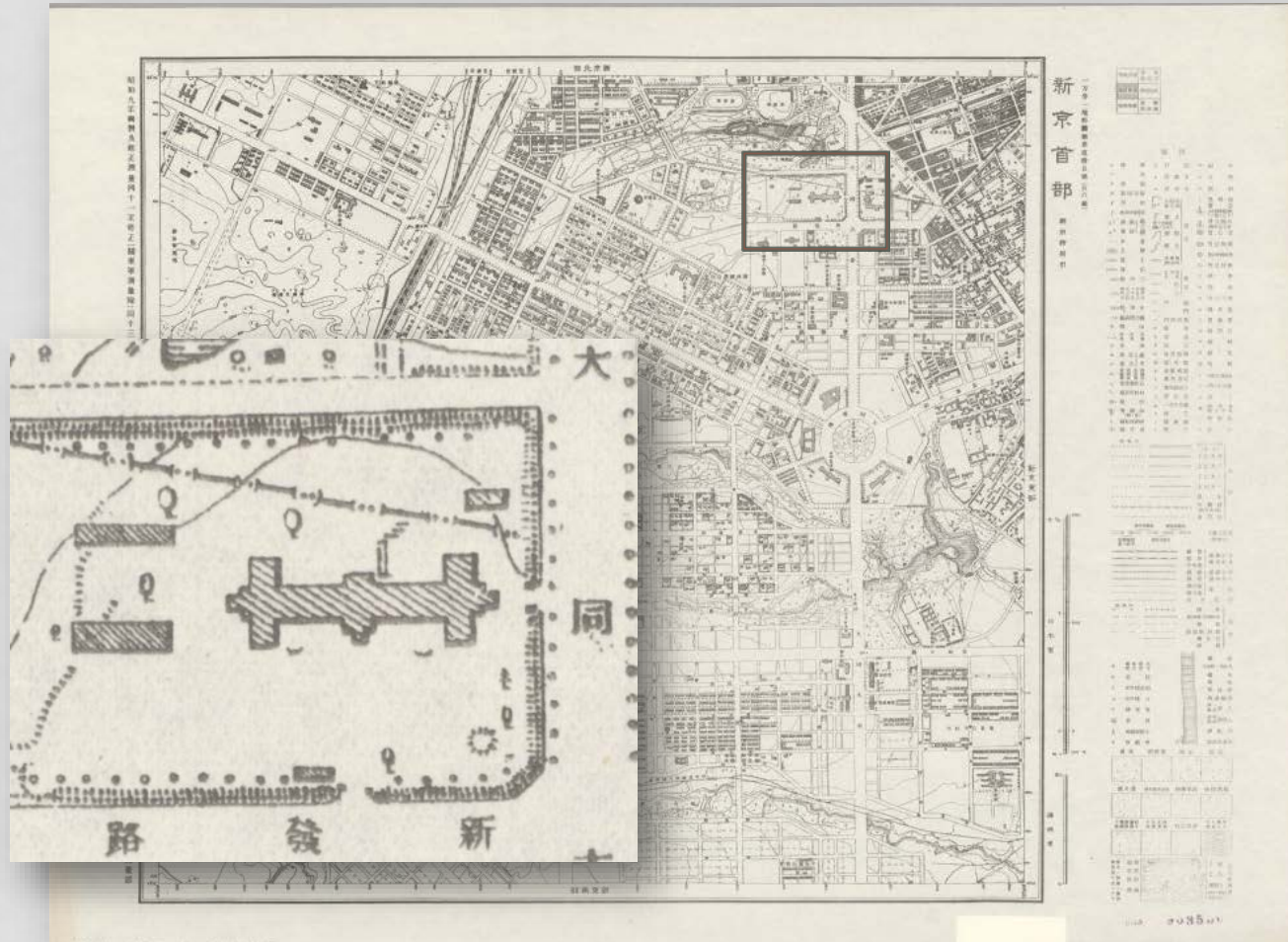
CITY PLANS



Changchun, China
1:10,000
1938

<https://purl.stanford.edu/x630mh2565>

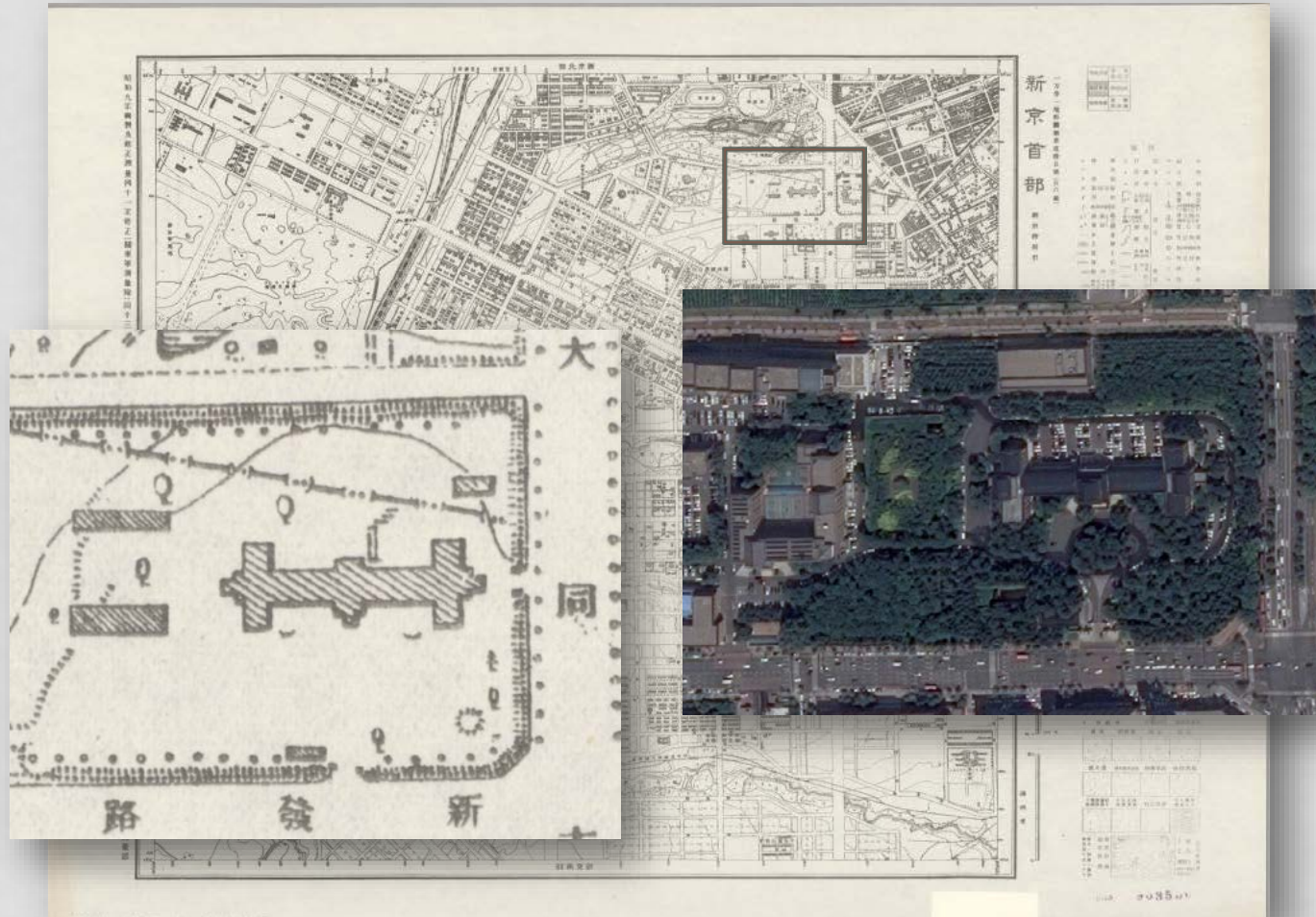
CITY PLANS



Changchun, China
1:10,000
1938

<https://purl.stanford.edu/x630mh2565>

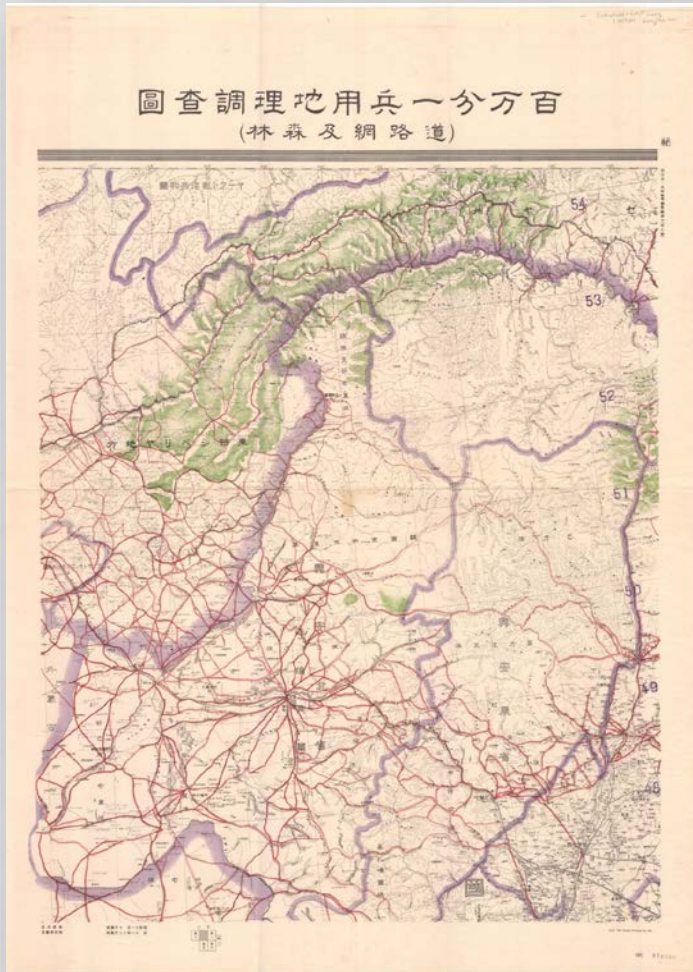
CITY PLANS



Changchun, China
Google Earth
CNES, 2018

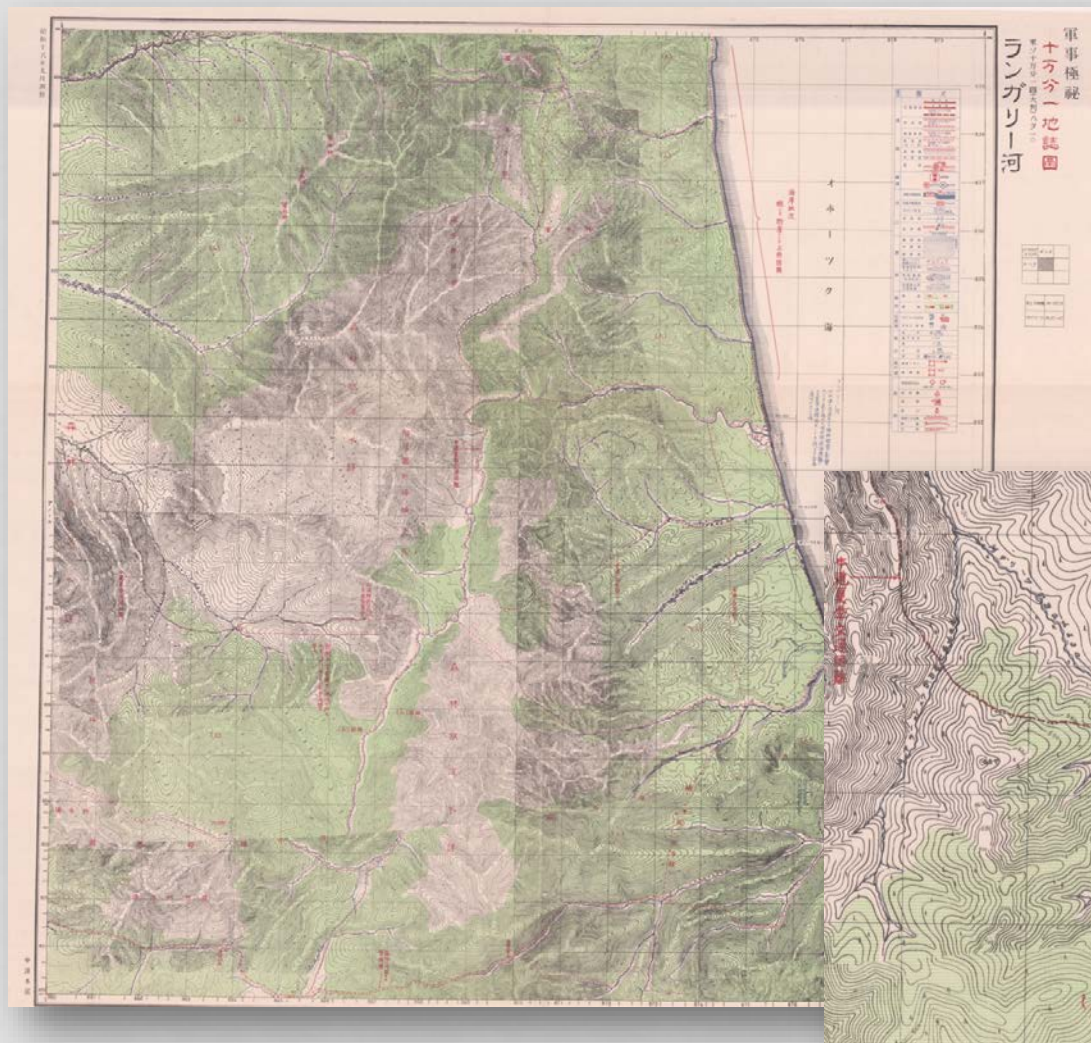
Changchun, China
1:10,000
1938

ROAD NETWORKS

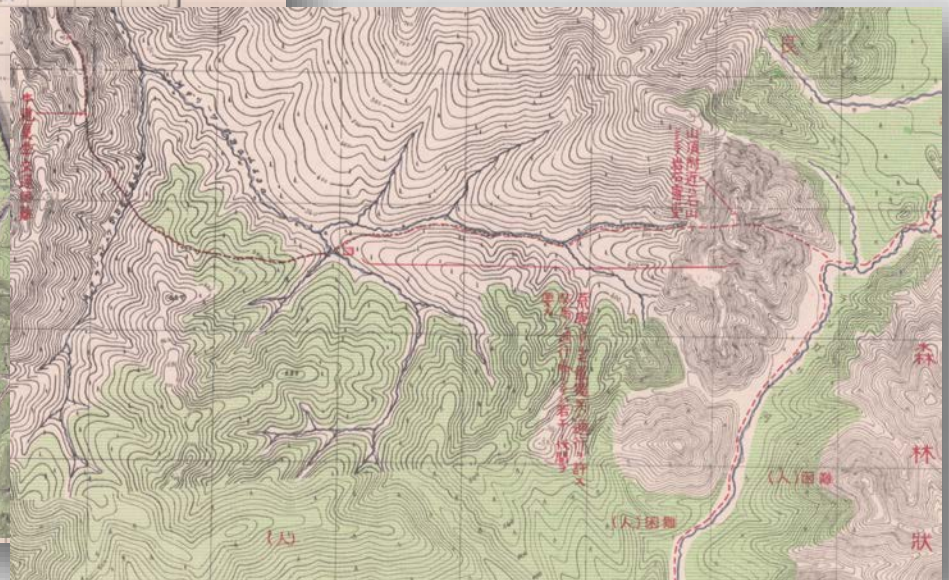


Road networks around Xingan
(now Hulunbuir, Inner Mongolia)

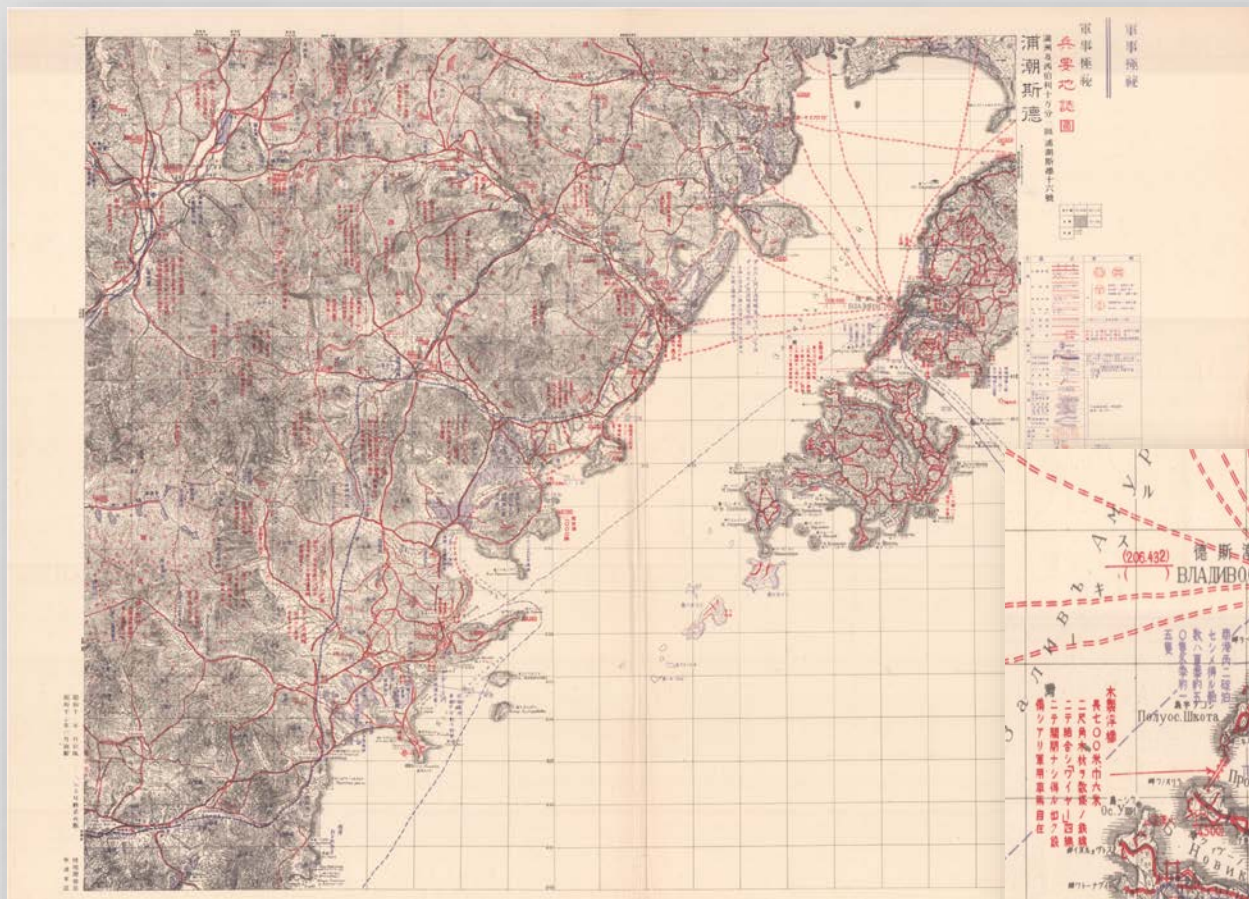
ANNOTATIONS



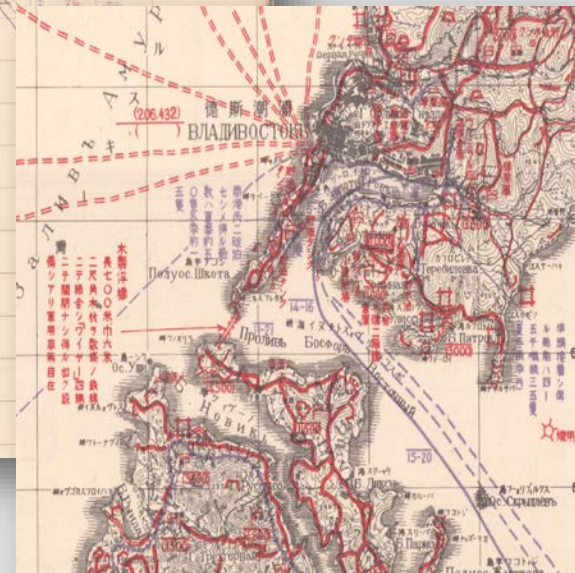
Sakhalin Island and
the Sea of Okhotsk



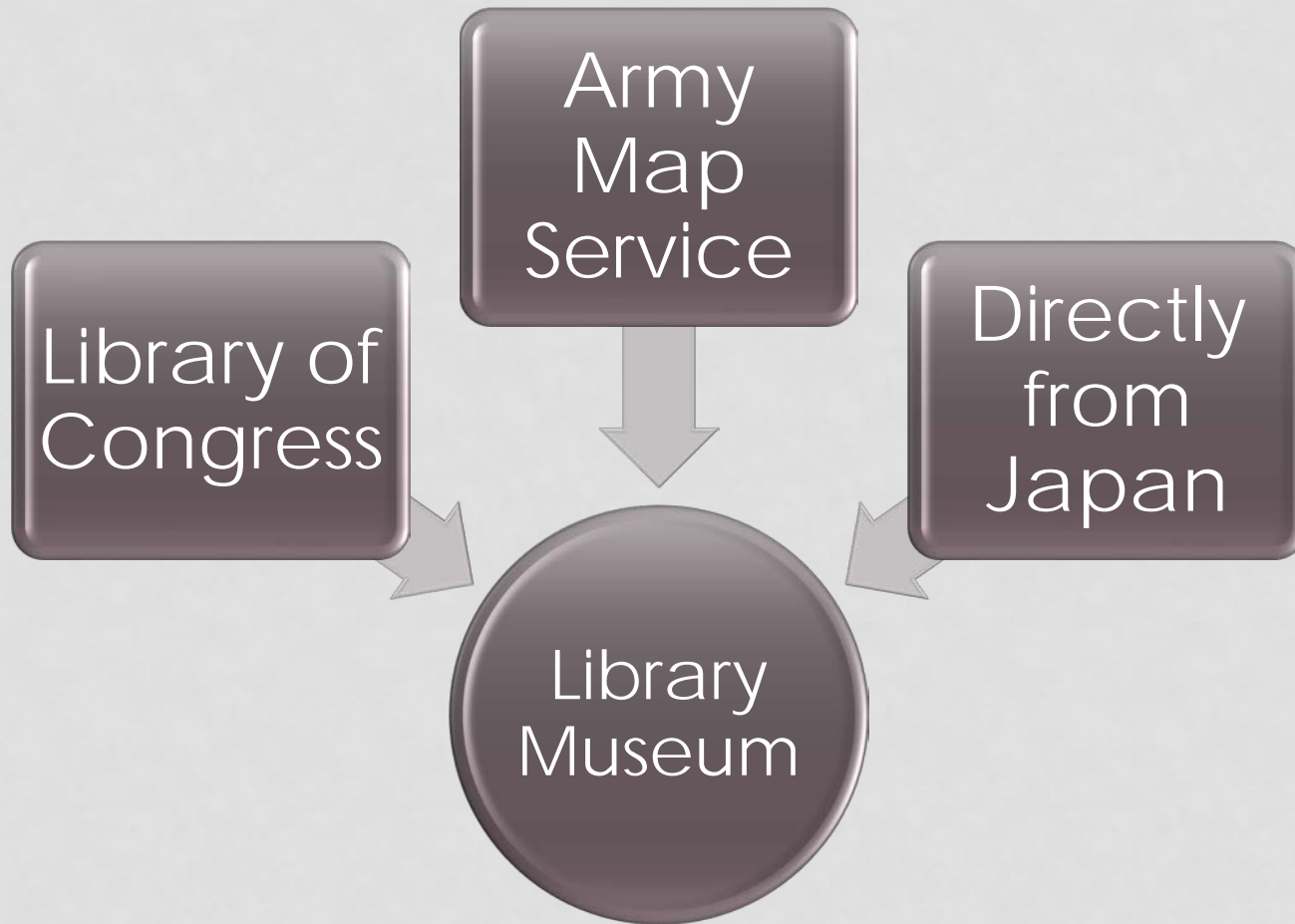
MILITARY USE



Vladivostok, Russia
1938-1941



MAPS TO STANFORD



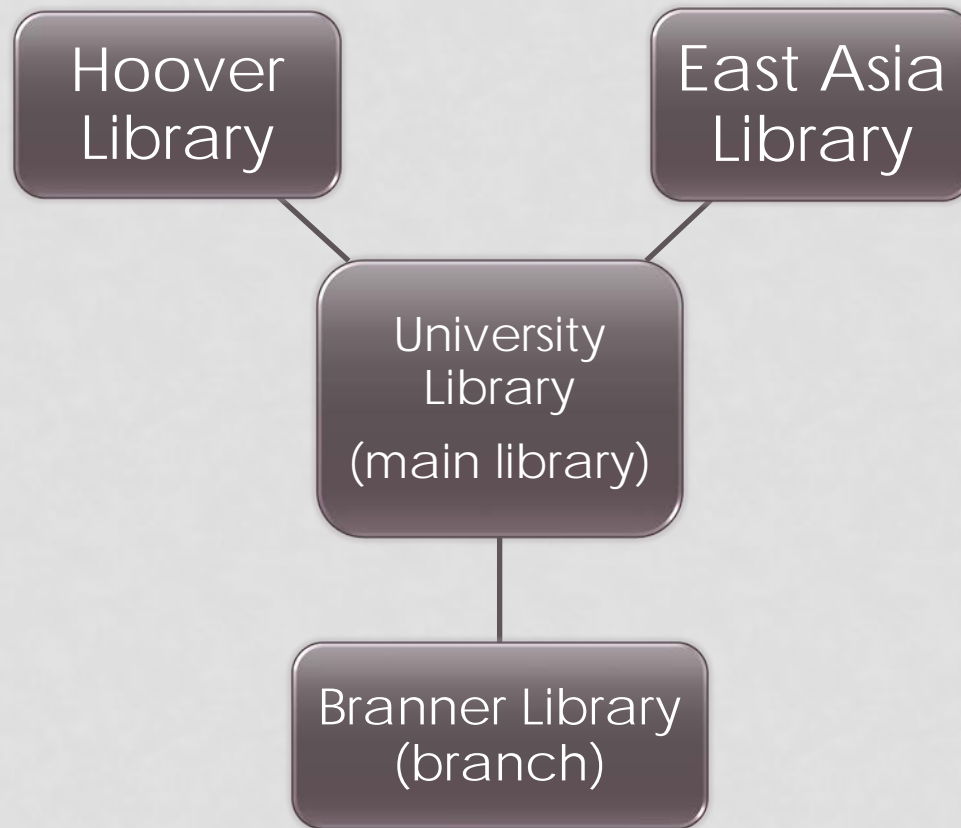
US INSTITUTIONS INITIALLY RECEIVING MAPS

Auburn University	University of Arizona	University of Arkansas	<u>UC, Berkeley</u>	Claremont College
<u>Stanford University</u>	San Diego Public Lib.	CA Academy Sciences	University of Colorado	Yale University
National Geo. Society	<u>University of Georgia</u>	<u>University of Hawaii</u>	<u>University of Chicago</u>	Northwestern University
<u>University of Iowa</u>	Louisiana State Univ.	<u>Harvard University</u>	<u>Clark University</u>	<u>University of Michigan</u>
Carleton College	Princeton University	Univ. of New Mexico	<u>AGS: Uni. Wis.-Madison</u>	New York Public Lib.
Cleveland Public Lib.	Oberlin College	University of Oklahoma	Oklahoma State Library	Oregon State Univ.
University of Pittsburgh	<u>University of Tennessee</u>	Southern Methodist Uni.	Univ. of Washington	<u>Library of Congress</u>

INTERNATIONAL AND OTHER INSTITUTIONS HOLDING MAPS

Academia Sinica, Taiwan	Ochanomizu University, Japan
Gifu Prefectural Library, Japan	Osaka University, Japan
Kyoto University, Japan	Tohoku University, Japan
National Library of Australia	
University of Illinois	University of Texas
Washington State University	

CREATING ACCESS: ORGANIZING



CREATING ACCESS: ORGANIZING

- Center for East Asian Studies
- Academia Sinica, Taiwan
- Dr. Kobayashi, Osaka University
- Stanford Geospatial Center
- Individuals
 - Meiyu Hsieh, The Ohio State University
 - Sayoko Sakakibara, Stanford
 - Shizuka Nakazaki, Stanford



CREATING ACCESS: CATALOGING

Gojūmanbun no ichi yochizu

五十万分一興地圖

RESPONSIBILITY

Dai Nihon Teikoku Rikuchi Sokuryōbu.

五十万分一興地圖 / 大日本帝国陸地測量部.

IMPRINT

[Tokyo] : Dai Nihon Teikoku Rikuchi Sokuryōbu, Shōwa 5-18 [1930-1943]

[Tokyo] : 大日本帝国陸地測量部, 昭和5-18 [1930-1943]

PHYSICAL DESCRIPTION

maps : col. ; 43 x 52 cm. or smaller.

Available online

stanford.maps.arcgis.com



Earth Sciences Library (Branner)

Today's hours: 9a - 5p

Map cases

G7960 S500 .J3 1-1	✓ Available
G7960 S500 .J3 2-2	✓ Available
G7960 S500 .J3 2-3	✓ Available
G7960 S500 .J3 3-3	✓ Available
G7960 S500 .J3 4-4	✓ Available

[show all](#)

Creators/Contributors

CORPORATE AUTHOR

[Japan. Rikuchi Sokuryōbu.](#)

[Japan. 陸地測量部.](#)

CONTRIBUTOR

[Japan. Rikugun. Sanbō Honbu.](#)

[Japan. Naimushō.](#)

Subjects

SUBJECT

[Japan > Maps.](#)

[Taiwan > Maps.](#)

[Korea > Maps.](#)

Bibliographic information

BEGINNING DATE

1930

Bibliographic information

BEGINNING DATE

1930

ENDING DATE

1943

TITLE VARIATION

Gojūmanbun no ichi teikokuzu.

五十万分一帝国圖.

MAP DATA

Scale 1:500,000.

NOTE

Relief shown by shading, spot heights, gradient tints and contours.

Covers Japan, Korea, Taiwan, Ryukyus, southern Sakhalin, the Kuriles and adjacent islands.

Some sheets have title: Gojūmanbun no ichi teikokuzu. Some sheets issued by Sanbō Honbu or Naimushō. Some sheets reprinted by Kyodo Printing Co. in 1947.

According to the catalog in the National Diet Library this title includes 64 maps published 1919-1941.

In Japanese.

NOTE

Gaihōzu.

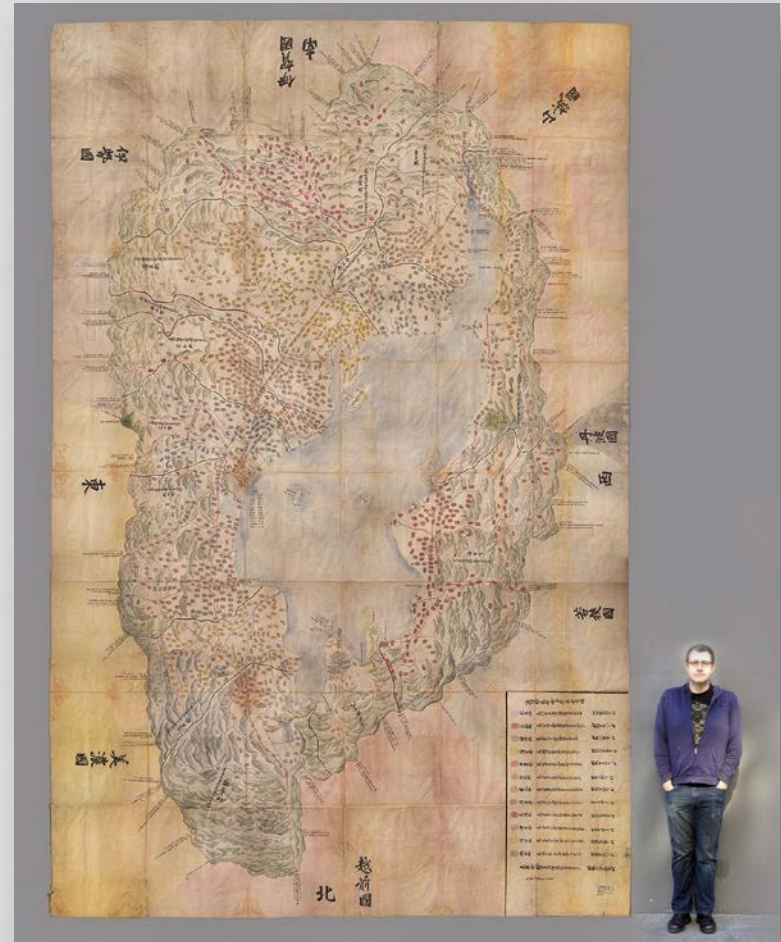
<https://searchworks.stanford.edu/view/8917597>

CREATING ACCESS: SCANNING



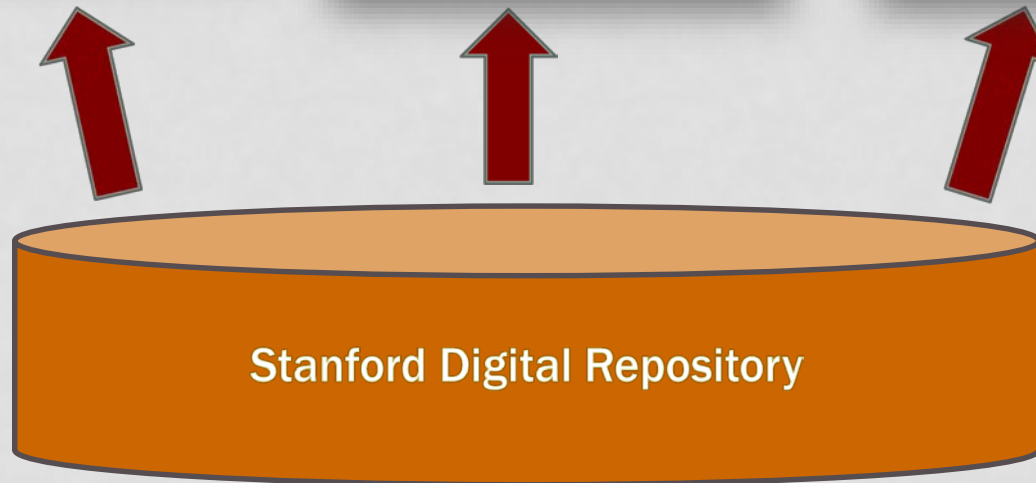
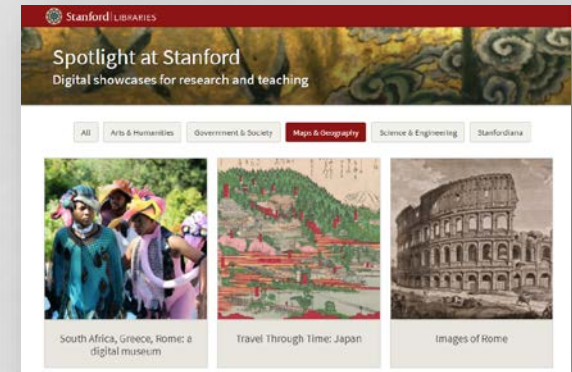
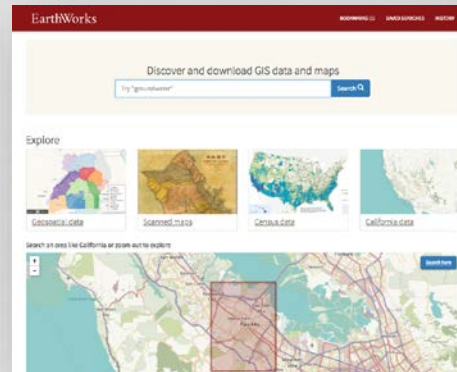
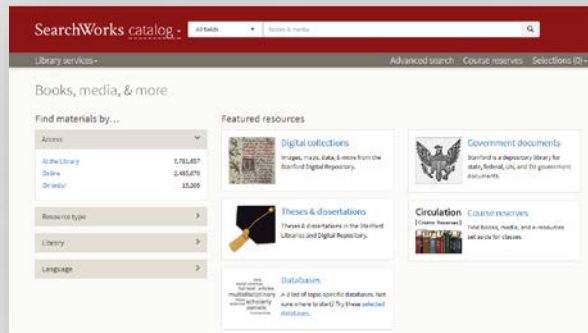
<https://www.youtube.com/watch?v=RdLcrNeWjIs&t=57>

CREATING ACCESS: SCANNING



<https://searchworks.stanford.edu/view/11298997>

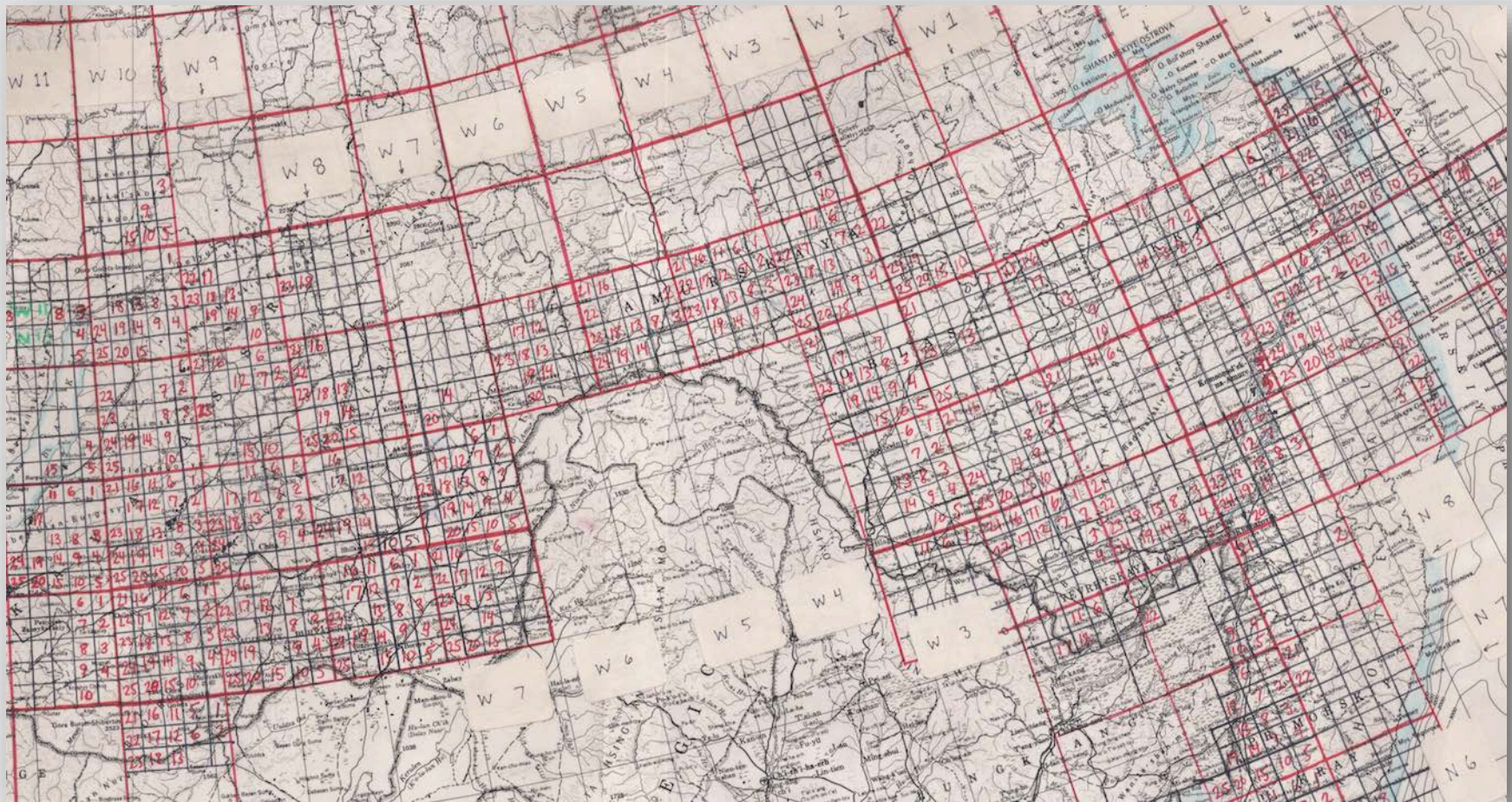
CREATING ACCESS: PRESERVATION



<https://library.stanford.edu/research/stanford-digital-repository>

Scalable, Robust, Shared
Management and
Preservation Services


CREATING DISCOVERY: THE OLD WAY




CREATING DISCOVERY: THE OLD WAY



CREATING DISCOVERY: THE NEW WAY INTERACTIVE INDEX MAPS



**JAPANESE
IMPERIAL
MAPS**


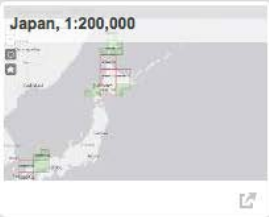



STANFORD UNIVERSITY LIBRARIES
AND THE STANFORD GEOSPATIAL CENTER



Gaihōzu: Japanese Imperial Maps

Stanford University Libraries holds a large collection of Japanese military and imperial maps, referred to as gaihōzu, or "maps of outer lands." These maps were produced starting in the early Meiji (1868-1912) era and the end of World War II by the Land Survey Department of the General Staff Headquarters, the former Japanese Army. The Library is in the process of scanning and making available all of the maps in the collection. This portal allows you to search for the maps geographically through an index and then download the images at multiple resolutions.



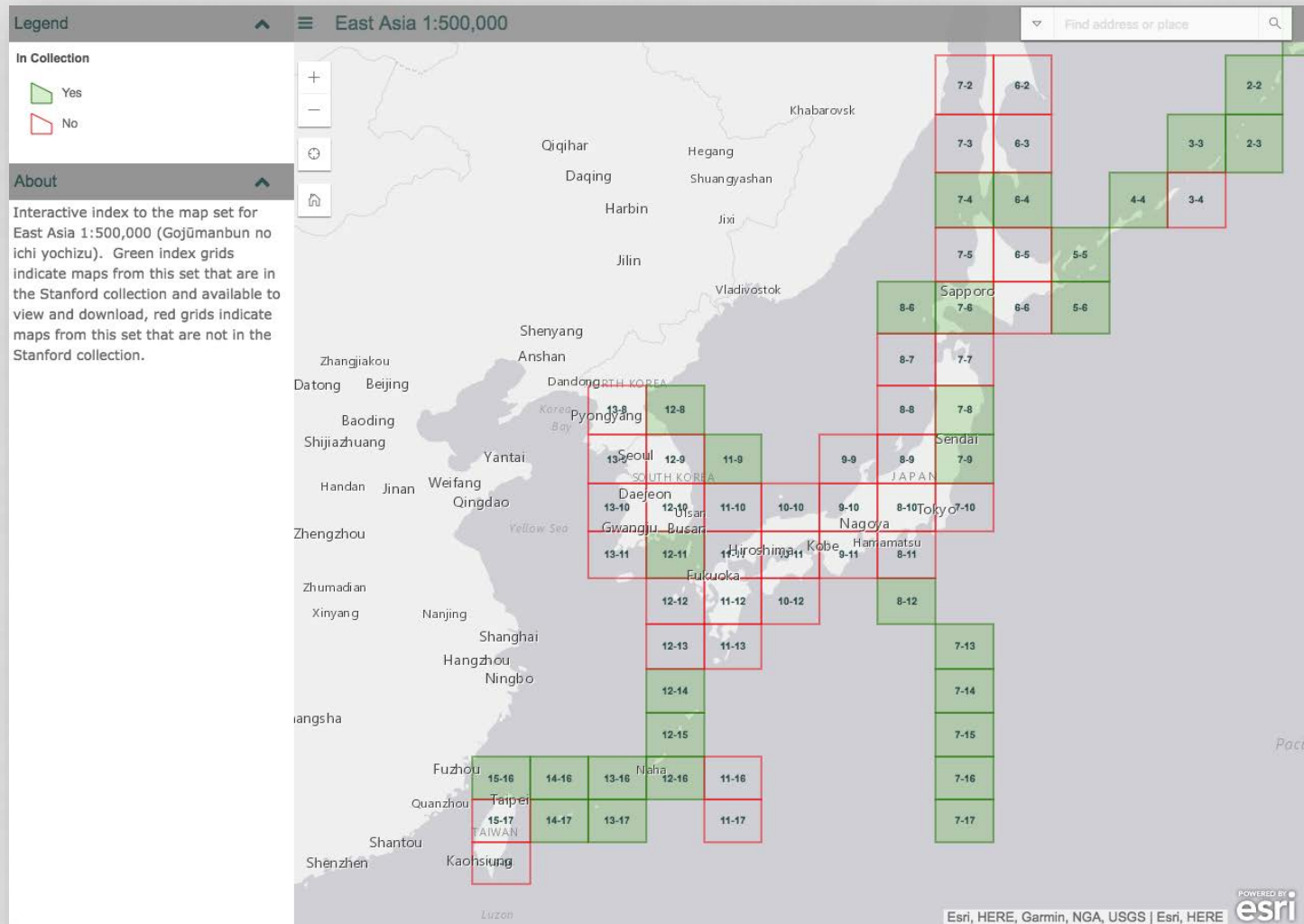


How to use this app:

Gallery index maps are titled by region and scale. Clicking on a particular index set will open the web app for that set. Once in the index interface you can click on individual grids to look up call number information. Selecting the "More Info" link in the popup will open the metadata record for that sheet including a thumbnail view of the sheet and download options for multiple resolutions.

<http://bit.ly/2w8VYKJ>

CREATING DISCOVERY: THE NEW WAY INTERACTIVE INDEX MAPS



CREATING DISCOVERY: THE NEW WAY INTERACTIVE INDEX MAPS

Legend

In Collection

- Yes
- No

About

Interactive index to the map set for East Asia 1:500,000 (Gojūmanbun no ichi yochizu). Green index grids indicate maps from this set that are in the Stanford collection and available to view and download, red grids indicate maps from this set that are not in the Stanford collection.

**Gojūmanbun no ichi yochizu --
Gojūmanbun no ichi teikokuzu -- 五十万
分一興地圖 -- 五十万分一帝國圖: 7-6**

Sheet Number	7-6
Call Number	G7960 S500 .J3 7-6
Druid	yy001yg8733
URL	More info

Zoom to

Esri, HERE, Garmin, NGA, USGS | Esri, HERE

CREATING DISCOVERY: THE NEW WAY UNIVERSAL VIEWER

Stanford Digital Repository

Gojūmanbun no ichi yochizu

<https://purl.stanford.edu/yy001yg8733>



Access conditions

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CREATING DISCOVERY: THE NEW WAY UNIVERSAL VIEWER

 Markham, New Guinea [cartographic material].



LANGUAGE

Japanese, English. In English and anglicised Pidgin placenames ; original map description in English ; bibliographic details in Japanese.

IMPRINT

[Tokyo] : Sanbō Honbu Rikuchi Sokuryōbu, Shōwa 17 [1942]

[Tokyo] : 参謀本部陸地測量部, 昭和17 [1942]

PHYSICAL DESCRIPTION

1 map : col. ; 46 x 65 cm on sheet 60 x 77 cm.

SERIES

Japan. Rikuchi Sokuryōbu. Nijūgoman bun no ichi zu Tōbu Papua-tō ; no. 23.

Japan. 陸地測量部. 二十五万分一圖東部パプア島 ; no. 23.


Japanese military mapping of Indonesia, New Guinea and the southwest Pacific Area.




Earth Sciences Library (Branner)

Today's hours: 9a - 9p

Map cases

G8115 S250 .J3 NO.23  Available

G8115 S250 .J3 NO.23  Available

Creators/Contributors

CONTRIBUTOR

Japan. Rikuchi Sokuryōbu.

Japan. 陸地測量部.

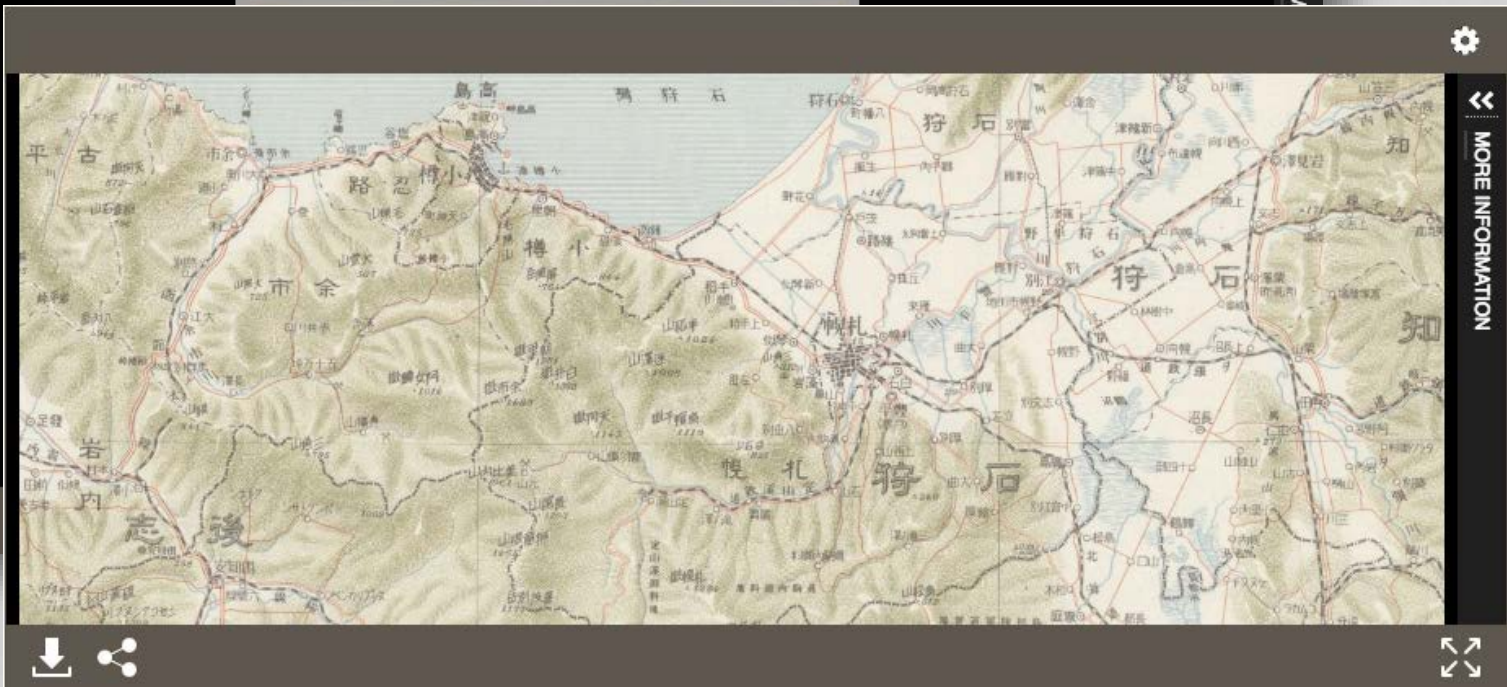
Subjects

<https://searchworks.stanford.edu/view/10293361>

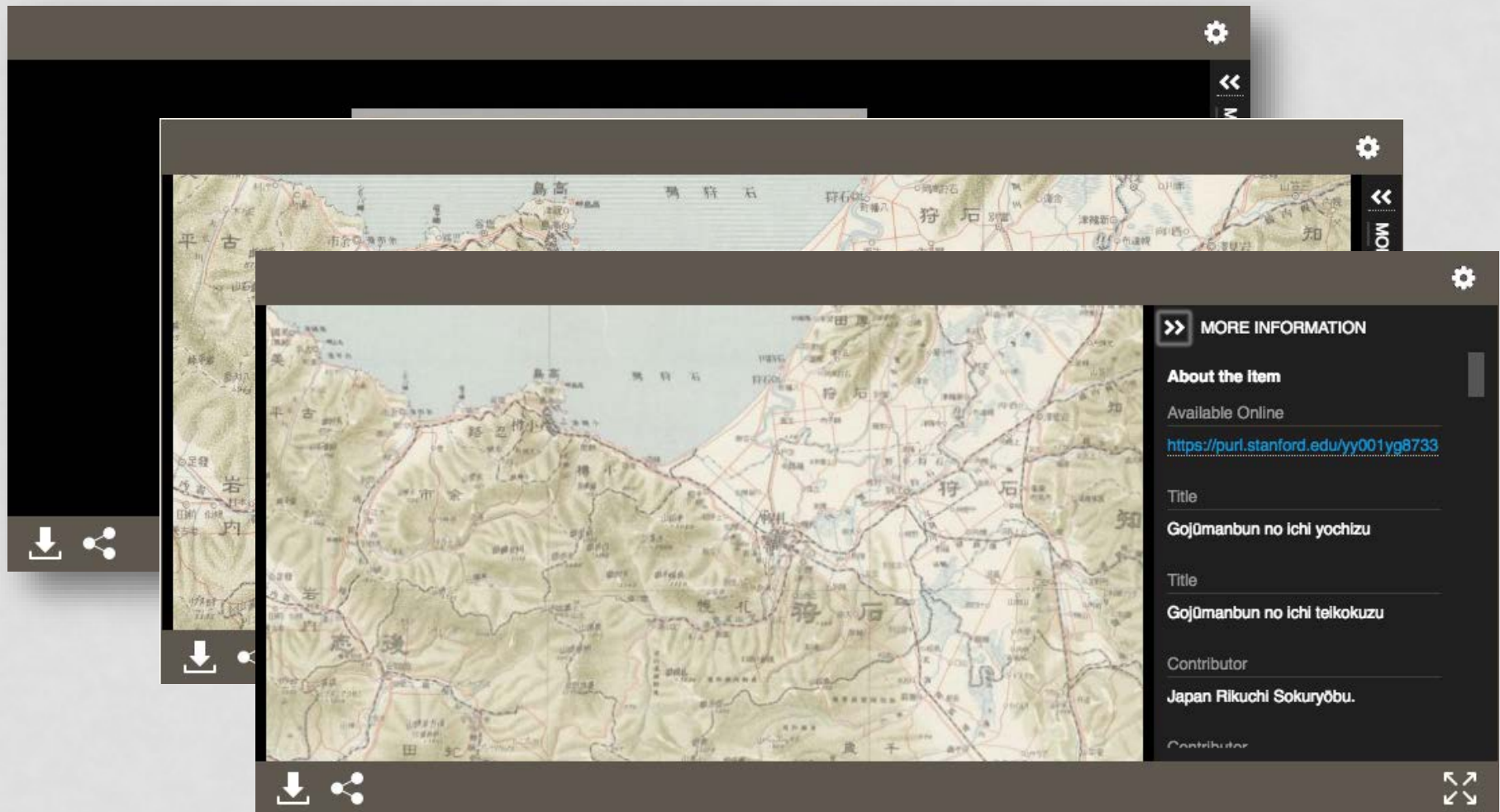
CREATING DISCOVERY: THE NEW WAY UNIVERSAL VIEWER



CREATING DISCOVERY: THE NEW WAY UNIVERSAL VIEWER



CREATING DISCOVERY: THE NEW WAY UNIVERSAL VIEWER



CREATING DISCOVERY: THE NEW WAY UNIVERSAL VIEWER

The image displays three overlapping screenshots of the Universal Viewer interface, which is used for viewing and interacting with digital collections. The background is a historical map of Japan, showing various regions and place names in Japanese.

Top Screenshot: Shows the main viewer interface with a gear icon for settings and navigation arrows.

Middle Screenshot: Shows a zoomed-in view of the map with a "Download" dialog box open. The dialog box offers three options:

- ☒ Whole image 1000 x 797px (jpg)
- ☐ Zoomed region 7116 x 2748px (jpg)
- ☐ Whole image 14284 x 11398px (jpg)

Buttons for "Download" and "Close" are visible at the bottom of the dialog.

Bottom Screenshot: Shows the same zoomed-in view with an "Embed" dialog box open. The dialog box displays the following information:

- Embed** (tab selected)
- Code: `<iframe src="https://embed.stanford.edu/iframe?url="`
- Size: 560 x 420
- Buttons for "Embed" and "Close" are visible.

Right Screenshot: Shows the "MORE INFORMATION" panel for the item. It includes the following details:

- About the Item**
- Available Online: <https://purl.stanford.edu/yy001yq8733>
- Title: Gojūmanbun no ichi yochizu
- Title: Gojūmanbun no ichi teikokuzu
- Contributor: Japan Rikuchi Sokuryōbu.

CREATING DISCOVERY: THE NEW WAY EARTHWORKS

EarthWorks

BOOKMARKS (1) SAVED SEARCHES HISTORY

Discover and download GIS data and maps

Try "groundwater" Search

Explore

Geospatial data

Scanned maps

Census data

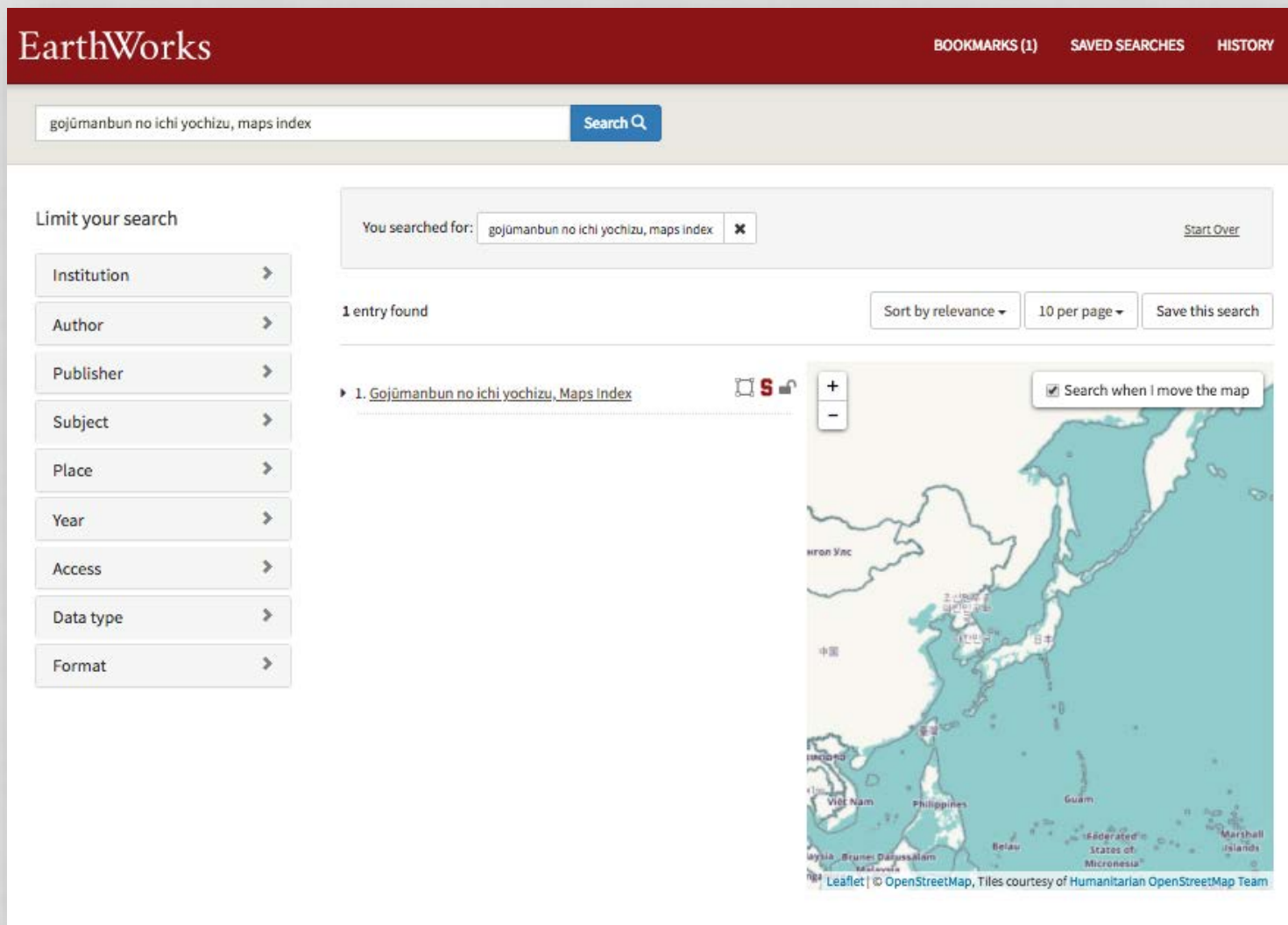
California data

Search an area like California or zoom out to explore

Search here

<https://earthworks.stanford.edu>

CREATING DISCOVERY: THE NEW WAY EARTHWORKS



CREATING DISCOVERY: THE NEW WAY EARTHWORKS

EarthWorks

BOOKMARKS (1) SAVED SEARCHES HISTORY

[Back to Search](#) [Start Over](#)

Gojūmanbun no ichi yochizu, Maps Index

Author(s) Stanford Geospatial Center

Description This polygon shapefile is an index to 1:500,000 scale maps of East Asia, titled 'Gojūmanbun no ichi yochizu'. This map series was originally produced by the Japanese Land Survey Department of the General Staff Headquarters between 1930 and 1943. Stanford University Libraries holds a large collection of Japanese military and imperial maps, referred to as gaihōzu, or "maps of outer lands." These maps were produced starting in the early Meiji (1868-1912) era and the end of World War II by the Land Survey Department of the General Staff Headquarters, the former Japanese Army. The Library is in the process of scanning and making available all of the maps in the collection. To create this index, footprints were generated using the fishnet tool, and metadata were supplied for the digitized paper maps by Stanford University Libraries. After the footprints were created, the shapefile was trimmed and labeled according to the sources. This layer provides an index map that can be used to locate individual scanned map sheets.

Publisher Stanford Digital Repository

Place(s) [Japan, Taiwan, and Korea](#)

Subject(s) [Grids \(Cartography\)](#), [Index maps](#), [Military maps](#), [Topographic maps](#), [Boundaries](#), and [Military](#)

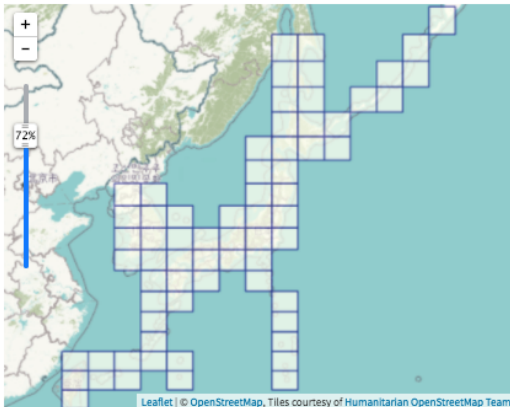
Year 1930-1943

Held by [Stanford](#)

More details at <http://purl.stanford.edu/nj309jv5104>

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Attribute	Value
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sheet_num	7-6
call_short	G7960 S500 .J3
sheet_id	G7960 S500 .J3 7-6
call_num	G7960 S500 .J3 7-6
label	Goj?manbun no ichi yochizu
druid	yy001yg8733
purl	http://purl.stanford.edu/yy001
title	Gojūmanbun no ichi yochizu -- 五十万分之一輿地圖 -- 五十万
status	v2 Accessioned
symp_h_bar	36105216274568
ckey	8917597
sheet	1

Tools

☐ Bookmark

 [Email](#)

 [Web services](#)

 [Metadata](#)

[Download Shapefile](#)

 [Open in Carto](#)

Tools

☐ Bookmark

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 [Web services](#)

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[Download Shapefile](#)

 [Open in Carto](#)

Attribute	Value
fid	nj309jv5104.21
sheet_num	7-6
call_short	G7960 S500 .J3
sheet_id	G7960 S500 .J3 7-6
call_num	G7960 S500 .J3 7-6
label	Goj?manbun no ichi yochizu
druid	yy001yg8733
purl	http://purl.stanford.edu/yy001
title	Gojūmanbun no ichi yochizu -- 五十万分之一輿地圖 -- 五十万
status	v2 Accessioned
symp_h_bar	36105216274568
ckey	8917597
sheet	1

TOPIC GUIDE



Stanford | LIBRARIES



About

Libraries

Using the libraries

Collections

Research support

Ask us

[Home](#) » [Guides](#) » [Gaihozu: Japanese imperial maps](#)

Gaihozu: Japanese imperial maps

This guide gives information about the Japanese military and imperial maps held at Stanford Libraries. It provides background information on the maps as well as access to them through an index map interface. The maps may be downloaded through this interface.

Overview

Distribution of the Maps

Resources

Overview

The maps in the collection are best found by using an index to locate the region and specific map of interest. Indices have been created for each map set in the corpus.

Index Maps



Access the entire cataloged collection [here in Searchworks](#). The collection holds over 120 different sets, which will be released through the index viewer as the indexes are created.

PEOPLE



Julie Sweetkind-Singer

Assistant Director of Geospatial and
Cartographic Services

Head of the Branner Earth Sciences
Library & Map Collections

SUBJECTS

Digital collections

Rare books

Chinese studies

East Asian studies

Japanese studies

Korean studies

Geography

Maps




Sinyang, South Pyong An Province of North Korea

1:50,000

First surveyed in 1917, updated in 1932, reprinted in 1947.

<http://library.stanford.edu/guides/gaihozu-japanese-imperial-maps>

TOPIC GUIDE

**Stanford** | LIBRARIES

AboutLibrariesUsing the librariesCollectionsR

[Home](#) » [Guides](#) » Gaihozu: Japanese imperial maps

Gaihozu: Japanese imperial maps

This guide gives information about the Japanese military and imperial maps held at Stanford Libraries. It provides background information on the maps as well as access to them through an index map interface. The maps may be downloaded through this interface.


[Overview](#) [Distribution of the Maps](#) [Resources](#)

Overview

The maps in the collection are best found by using an index to locate the region map of interest. Indices have been created for each map set in the corpus.

[Index Maps](#)

Access the entire cataloged collection [here in Searchworks](#). The collection holds over 120 different sets, which through the index viewer as the indexes are created.



Sinyang, South Pyong An Province of North Korea
1:50,000
First surveyed in 1917, updated in 1932, reprinted in 1947

[Home](#) » [Guides](#) » Gaihozu: Japanese imperial maps[Overview](#) [Distribution of the Maps](#) [Resources](#)

East Russia and the Sea of Okhotsk
Legend includes ground surface by seasons, transportation conditions for soldiers and pack animals

East Russia

NEXT STEPS: INTEGRATION

EarthWorks

BOOKMARKS (0) HISTORY

Chōsen Gomanbunnoichi Zu, Maps Index

Author(s) Stanford Geospatial Center

Description This polygon shapefile is an index to 1:50,000 scale maps of North Korea, titled 'Chosen 1:50,000 Chikeizu.' This map series was originally produced by the Japanese Land Survey Department of the General Staff Headquarters between 1916 and 1918. Stanford University Libraries holds a large collection of Japanese military and imperial maps, referred to as *gaihōzu*, or "maps of outer lands." These maps were produced starting in the early Meiji (1868-1912) era and the end of World War II by the Land Survey Department of the General Staff Headquarters, the former Japanese Army. The Library is in the process of scanning and making available all of the maps in the collection. To create this index, footprints were generated using the fishnet tool, and metadata were supplied for the digitized paper maps by Stanford University Libraries. After the footprints were created, the shapefile was trimmed and labeled according to the sources. This layer provides an index map that can be used to locate individual scanned map sheets.

Publisher Stanford Digital Repository

Place(s) [Korea \(North\)](#)

Subject(s) [Military maps](#), [Topographic maps](#), [Grids \(Cartography\)](#), [Index maps](#), [Boundaries](#), and [Military](#)

Year 1916-1918

Held by [Stanford](#)

More details at <http://purl.stanford.edu/ts545zc6250>

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Tools

 [Bookmark](#)

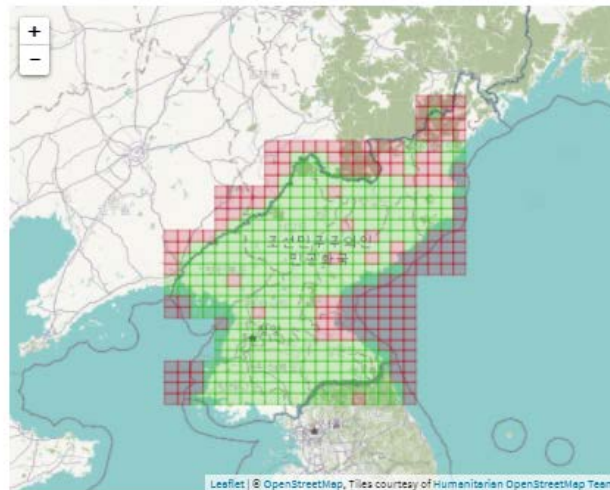
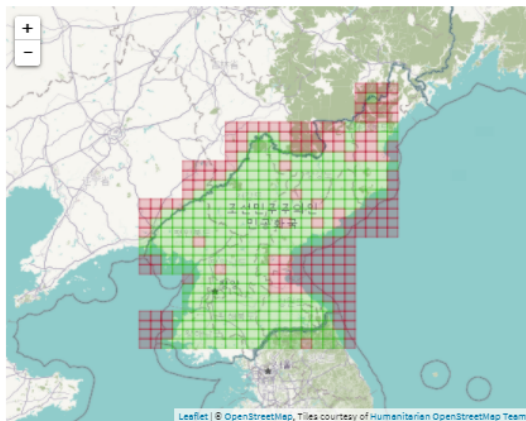
 [Email](#)

 [Web services](#)

 [Metadata](#)

[Download Shapefile](#) ▼

 [Open in Carto](#)



[Chosen 1:50,000
Chikeizu]



Website

<http://purl.stanford.edu/ox055dk7674>

Record Identifier

9585363

Label

BDD-6

NEXT STEPS: TRANSFORMATION

David Rumsey Map Collection
CARTOGRAPHY ASSOCIATES

This map **Georeference** View Transcribe D

Side by side Overlay Coordinates Clip

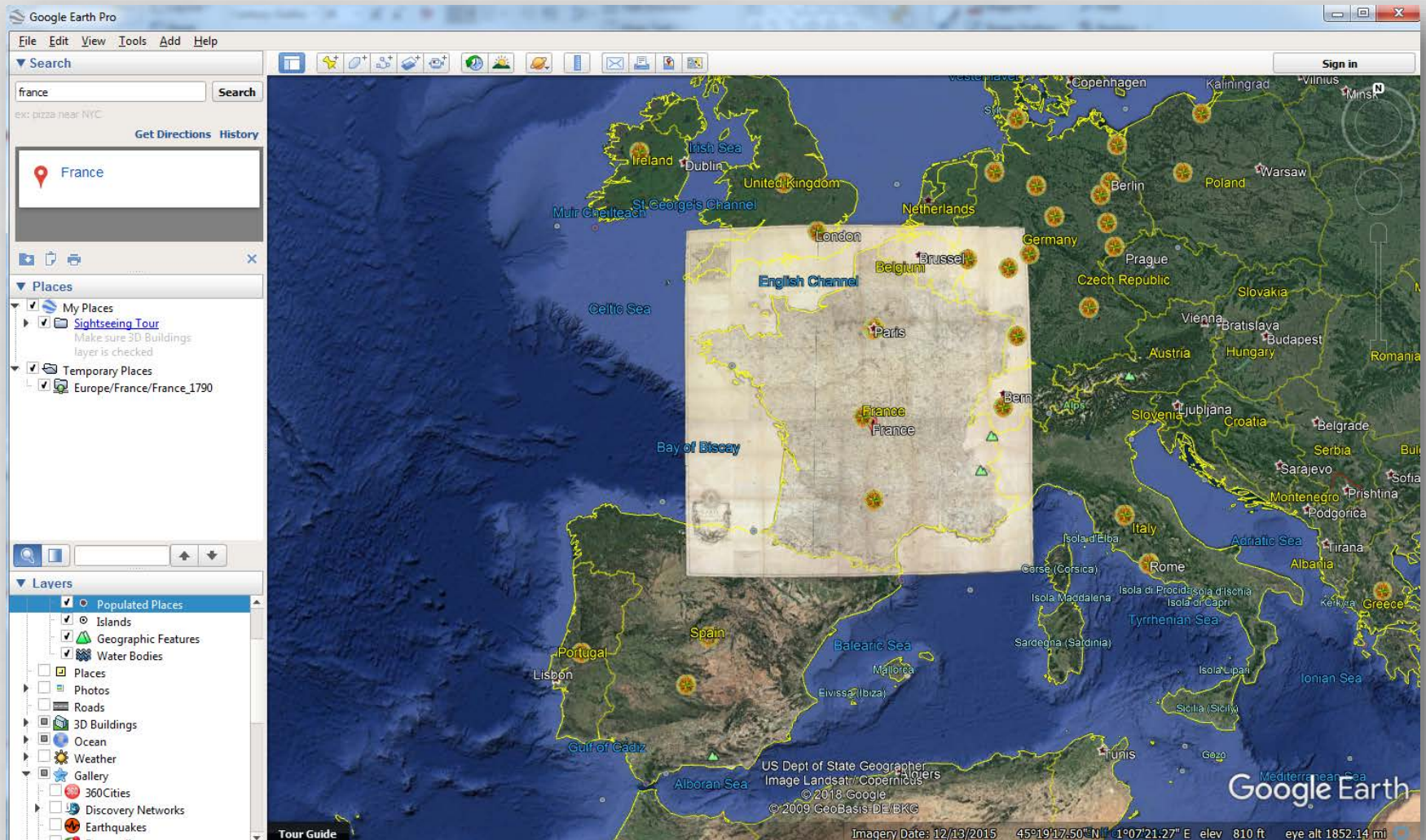
Topographical Map...

Map data ©2017 Google Terms of Use Report a map error

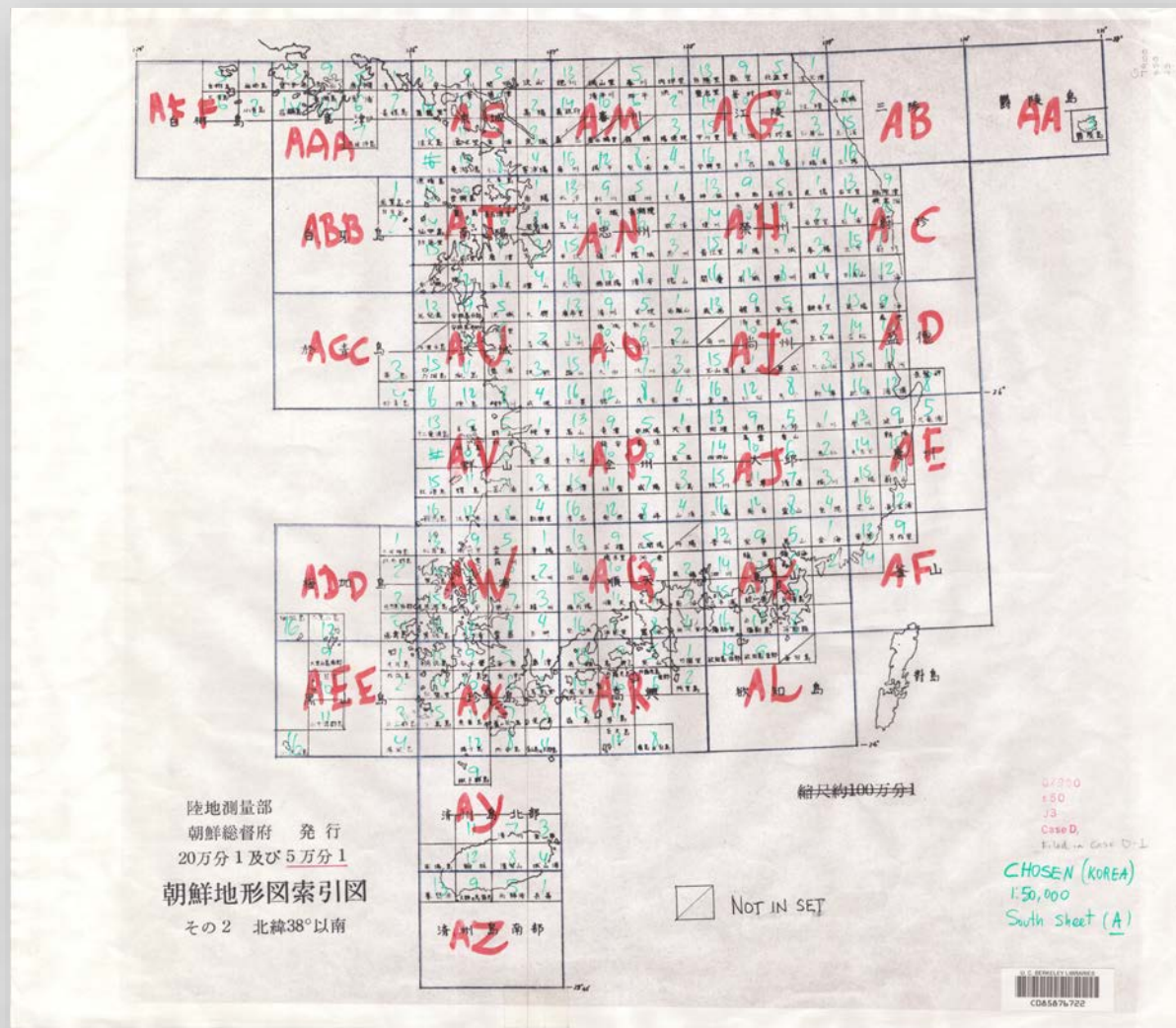
It looks like this map is finished **Save** **Next**

<http://www.davidrumsey.com>

NEXT STEPS: VISUALIZATION



NEXT STEPS: COLLABORATION



NEXT STEPS: COLLABORATION

The screenshot displays the Old Maps Online website interface. At the top, the logo "OLD MAPS ONLINE" is visible next to a search bar containing "sapporo". Navigation links include "Search", "About", "News", "Mobile", and "Get involved". A sidebar on the right titled "Maps of Sapporo" lists several historical maps with their titles, authors, and scales. The main map area shows a detailed view of Sapporo and surrounding areas, with labels for cities like Otaru, Sapporo, and Kitahiroshima. A small inset map in the bottom left corner shows the location of Sapporo within Japan.

Maps of Sapporo

- Partie du Japon. Asie 49. Vandermaelen, Philippe, 1795-1869 1827 1:1 641 836
- Decouvertes nord du Japon. Vries, Maarten Gerritszoon 1797 1:2 800 000
- 101-02. Giappone. Touring club italiano 1929 1:3 000 000
- Japan. Andree, Richard; Times (London, England) 1895 1:5 000 000
- Japan. John Bartholomew & Co. 1922 1:3 000 000
- 43-44. Far East, South. The Wo... USSR (Union of Soviet Socialist Republics), 1967 1:3 000 000
- Japan. Pinkerton, John, 1758-1826 1809 1:2 770 000
- Geological map of Japan Japonsko 1910-1930 1910-1930 1:5 000 000
- Japan. Pergamon World Atlas. Polish Army Topography Service 1967

<http://www.oldmapsonline.org/>

NEXT STEPS: COLLABORATION

 日本版 Map Warper

[ログイン](#) [アカウント作成](#) [日本語 \(JA\)](#)

[ホーム](#) [すべての地図を見る](#) [整形済みの地図を見る](#) [地図をアップロードする](#) [すべてのモザイクを見る](#) [モザイクを追加する](#) [Map Warperについて](#)

ヘルプ

概要

Map Warper では、自分の持っている地図の画像を現実の地図上 (OpenStreetMap) に重ねて表示し、インターネットを通じて世界中の人へ公開することができます。利用はすべて無料です。

規格に沿って製作された現代の地図に限らず、手書きの地図や古地図も利用可能です。地図を登録する時は、現実の地図と位置を対応させるために基準となる点を指定し、地図を適切な形に整形して (ゆがめて) 現実の地図の上に置きます。

公開された地図は、画像データまたは地図データとして自由にエクスポートできます。

このサイトでは、自由に地図画像をアップすることができます。その中には、既にインターネット公開されているものも含め日本の古地図が含まれます。その多くは、発行当時の資料をそのままの形でデジタル化されたものです。現代においては適切ではないと思われる表現を含む資料がある可能性もありますが、その資料が成立した時代を表す歴史的資料として、ご理解・ご留意の上でご利用ください。

検索

タイトル ▾

年

1740

2019

検索

すべての地図

☒ 整形済みの地図のみ

[場所から整形済みの地図を探す](#)

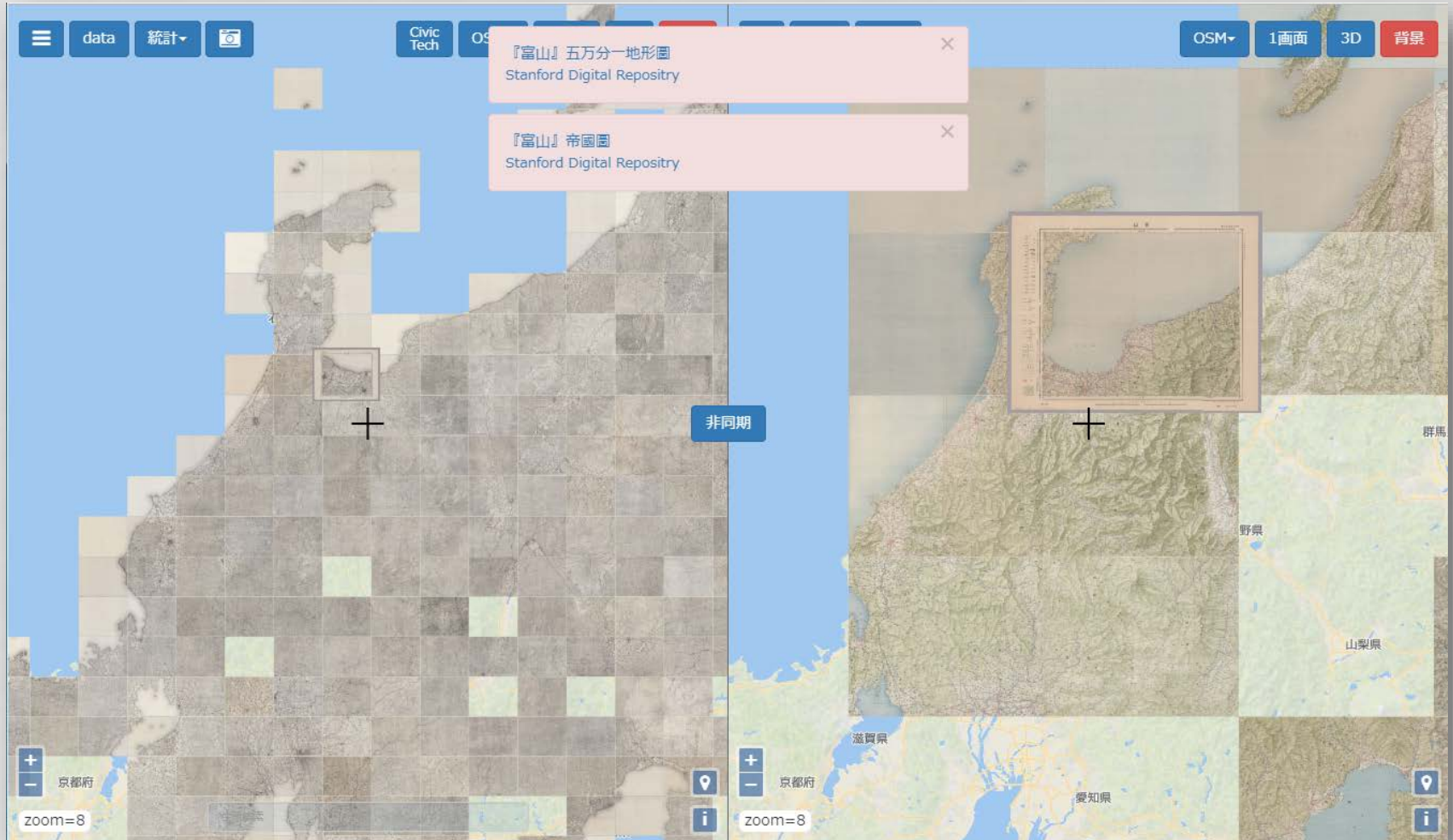
[すべての地図を見る](#)

最近整形された地図

地図	タイトル	年	前回の更新	ステータス
	神戸：五万分一地形図 <i>Gomanbun no ichi chikeizu</i> ALTERNATIVE TITLE 五万分一地形図 TYPE OF RESOURCE Cartographic FORM cartographic materialmapmap EXTENT maps : some col. ; 39 x 46 cm. or smaller. IMPRINT Yatabe-machi : Kokudo Chiriin, Meiji 21?- 1888?- , 1888- ISSUANCE monographic IMPRINT 谷田郷町：國土地理院, 明治 21?- 1888?- LANGUAGE Japanese MAP DATA Scale 1:50,000. Creators/Contributors (1枚のレイヤー)	1888	3 日前	4 個の基準点

[地図を見る](#) | [地図を整形する](#) | [KMLをダウンロードする](#)

NEXT STEPS: COLLABORATION



<https://hgis.pref.miyazaki.lg.jp/hinata/hinata.html#l5FnrbVF0W8h>

LINKS TO RESOURCES

- ArcGIS Index Maps Online
 - <http://bit.ly/2w8VYKJ>
- Searchworks (Library Catalog)
 - <https://searchworks.stanford.edu>
- Earthworks (Geospatial Catalog)
 - <https://earthworks.stanford.edu>
- Topic guide for Gaihozu maps
 - <http://stanford.io/1MFfq7i>
- Contact information
 - juliets@stanford.edu