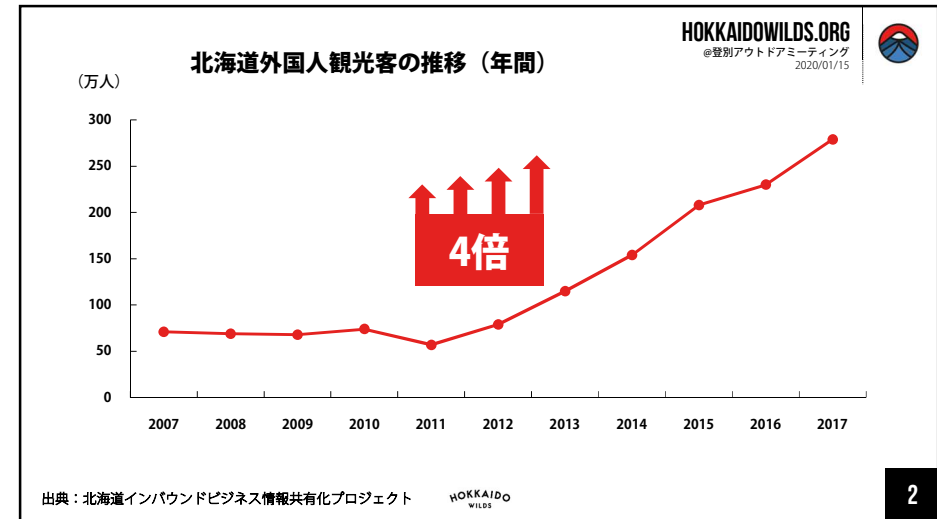


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@登別アウトドアミーティング
2020/01/15

**国土地理院の地図データを活用する
HokkaidoWild.orgの英語表記地形図を事例に**

トムソン ロバート (NZ) 北星学園大学専任講師 | HokkaidoWilds.org

イラスト by @welldonegan



国内自然環境を活かす方針 『国立公園満喫プロジェクト』
環境省

「日本初、アドベンチャーツーリズムマーケティング戦略策定」
経済産業省 北海道経済産業局

アドベンチャーツーリスト
登山 スキー カヌー 自転車

3

「旅行」よりも「旅」

「体験」よりも「探求」

= リスキーな顧客？

(Cheng, 2017; Beames et al., 2019)

4

ガイド利用率 56%

(UNWTO, 2014)

滞在日数が長い
(流動性が高い)

(北海道インバウンドビジネス情報共有化プロジェクト)

5

豊富な英語情報が必要

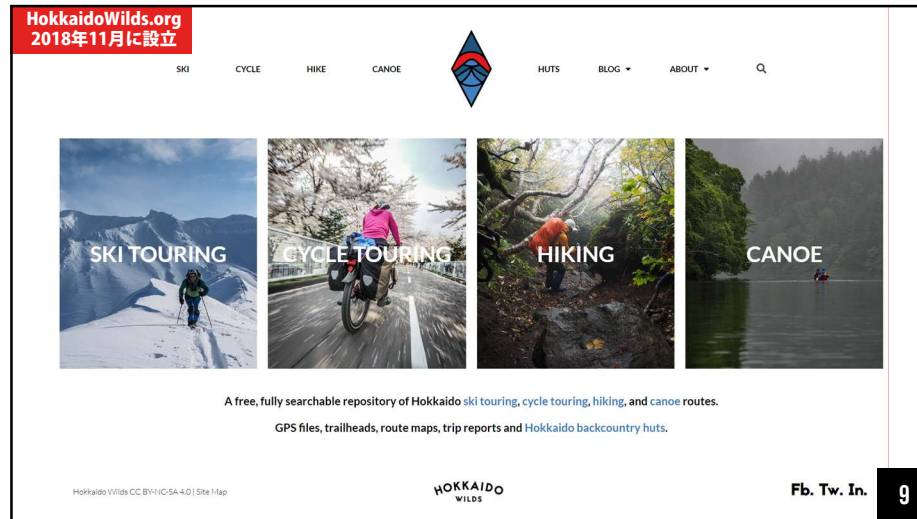
6



7



8



HOKKAIDO HIKING: A FREE RESOURCE (beta)

GPS route maps, downloadable GPS route files, photos, and more. A repository of open-source Hokkaido hiking route information in English. Hokkaido is home to some of Japan's most remote and rugged outdoor playgrounds. Things are big here. Mountains. Valleys. Plains. Capes and coasts. They're grand and endless. Summer is most popular for hiking, but don't shut winter either if you are well-prepared (see the winter offerings here). While Hokkaido's mountains lack in altitude, they make up for with an off-the-beaten-track atmosphere.

NOTE: This resource is work in progress. For a more thorough selection of Hokkaido hiking routes (both summer and winter), check out Mountain of Hokkaido, Lapan Renshu reports here, Hokkaido Hiking Guide here and Hiking in Japan here.

REGION: ROUTE TAGS: Map Satellite

0.5hrs - 22.0hrs

SEARCH BY LOCATION: Other location

200 km

1-12 of 43

Central Daisetsuzan Circuit Hike

Asahidake Ropeway to Asahidake Summit Hike

Asahidake and Nakadake-onsen Loop Hike

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SKI CYCLE HIKE CANOE HITS BLOG ABOUT Q

Asahidake and Nakadake-onsen Loop Hike

Hokkaido Hiking / Asahidake

Asahidake Summit (2291m)

12km 7.5 hours 815m 2291m 4700 Jul-Sep

Asahidake (旭岳) is the highest peak in Hokkaido and one of the 100 Famous Mountains (百名山) in Japan. Combined with amazing views over the rugged volcanic scenery of the Daisetsuzan range and relatively easy access via a ropeway it's not surprising that it's one of the most popular destinations for local hikers and visitors alike. While it is a straightforward climb from the upper ropeway station and back, if the weather conditions are good and you have the time it's well worth dropping off the back of the mountain and returning via the wild onsen at Nakadake to make a longer day of it.

GPX ROUTE FILE DOWNLOAD

KML ROUTE FILE DOWNLOAD

PRINT GEOPDF GSI

14

station and back, if the weather conditions are good and you have the time it's well worth dropping off the back of the mountain and returning via the wild onsen at Nakadake to make a longer day of it.

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ROUTE MAP

Mt. Asahidake to Nakadake Onsen Loop Hike (Hokkaido, Japan)

View Full Version Send to Device 11.8 km 40-50 min 400m

ROUTE MAP

NEED TO KNOW DETAILS

LOCATION Asahidake is the highest peak in the Daisetsuzan mountain range in central Hokkaido. This hike starts and finishes at 1600m from the upper ropeway station at Sugapari (in) on the western flank of the mountain above Asahidake Onsen spa.

GENERAL NOTES The main season for summer hiking on Asahidake is July and August; before and after this you need to be prepared and equipped for snow on the ground and/or falling from the sky. The base for this climb is at Asahidake Onsen (in), a small collection of lodgings and hot springs below the ropeway up the mountain. It is a smaller tourist destination and can be busy with cascades of signposters from Japan and neighbouring countries, especially in summer and during the season for autumn colours. Accommodation options include a youth hostel and a campsite as well as local Japanese inns and hotels. The upper ropeway station at Sugapari has toilets and a small restaurant. There are no safe and/or guaranteed water sources beyond this point. In high season (June late October) the ropeway operates every 15 minutes from 06:30 up to 17:30 down (08:00 - 17:00 later in the season - be sure to check the schedule) and costs 2500 yen round trip (asahidake.hokkaido.jp).

HUT Asahidake Refuge (in) (in) is a basic but well-built stone hut on the western flanks of Asahidake, Hokkaido's highest mountain, located in the Daisetsuzan mountain range in central Hokkaido. The hut is designated as an emergency-use only hut - non-emergency overnight stays are not allowed. The hut is only 20 minutes walk from the Sugapari ropeway station. The route is well defined, but if descending directly from the summit back to the ropeway it must be careful not to lose the path (see Route Safety). If continuing on to Nakadake onsen (in) (in) the trail junctions are marked by large signposts (in Japanese). From the summit take the trail east heading to Mamuyatake (in) (in), about 1 hour from the summit (the line with designated camping area (in) facilities). Early in the season this descent will be over a large snowfield. From Mamuyatake head north to the Nakadake Junction (in) (in), 20 minutes down off the ridge to the west down to Nakadake onsen (in) (in) and Succumbity (in) (in). Then take the marked trail south back to the ropeway at Sugapari (in) (in), 1hr 40 mins.

15

場所：奥手稲山（札幌市、海拔949m）

写真：HokkaidoWilds.org

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Asahidake and Nakadake-onsen Loop Hike

旭岳 湯殿山

Reading Time: 2 min

At 2291m, Asahidake (旭岳) is the highest peak in Hokkaido and one of the 100 Famous Mountains (百名山) in Japan. Combined with the surrounding views, it is a must-visit spot for anyone visiting Hokkaido. The mountain is a large volcano and is a popular spot for hikers and visitors alike. Within 1h of the summit, the view is so good that it is well worth the effort. The weather conditions are good and you will have a great view of the surrounding mountains and the sea.

GPX ROUTE FILE DOWNLOAD
KML ROUTE FILE DOWNLOAD
PRINT GEOPDF GSI

ROUTE MAP

17

表裏

A4 サイズ

Rausu-dake Southwest Couloir Ski Tour (via Aizanso Hut)

SYMBOL KEY

Japanese Map Summary

LOCATION

GENERAL NOTES

SAFETY NOTES

ROUTE TURNING AND NOTES

ROUTE MAP

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表裏

Rausu-dake Southwest Couloir Ski Tour (via Aizanso Hut)

SYMBOL KEY

Japanese Map Summary

LOCATION

GENERAL NOTES

SAFETY NOTES

ROUTE TURNING AND NOTES

ROUTE MAP

19





表

裏

Rausu-dake Southwest Couloir Ski Tour (via Aizanso Hut)

SYMBOL KEY

Japanese Map Dictionary

FASTEN HIKING

LOCATION

GENERAL NOTES

ROUTE TURNING AND NOTES

MAP TEXT PRINTED AT

21



表

裏

Rausu-dake Southwest Couloir Ski Tour (via Aizanso Hut)

SYMBOL KEY

Japanese Map Dictionary

FASTEN HIKING

LOCATION

GENERAL NOTES

ROUTE TURNING AND NOTES

MAP TEXT PRINTED AT

22



表

裏

Rausu-dake Southwest Couloir Ski Tour (via Aizanso Hut)

SYMBOL KEY

Japanese Map Dictionary

FASTEN HIKING

LOCATION

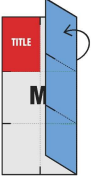
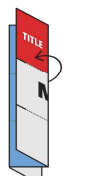
GENERAL NOTES

ROUTE TURNING AND NOTES

MAP TEXT PRINTED AT

23

ORIGAMI INSTRUCTIONS

- 
- 
- 
- 
- 

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進捗状況

山スキー

21/56

登山

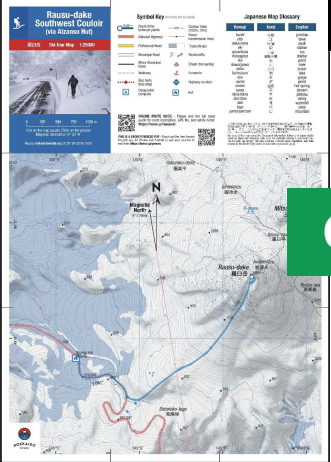
30/43

カヌー

19/19

表

裏



Rausu-dake Southwest Couloir Tour (via Azanso Hut)

LOCATION
Rausu-dake (標高: 1661m) is the heart of the Shikotan Peninsula in eastern Hokkaido, a World Heritage site. The mountain happens to have a lake on its southwest.

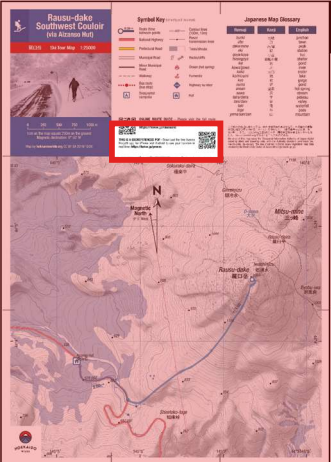
GENERAL NOTES
Rausu-dake is a high but not too steep mountain. There are some steep rocky approaches from the east or west following the summer trails, but these will require a good climb. It is best to go in the winter to get a good view of the lake and the surrounding area. The only other way to reach it is by helicopter. In the summer, the mountain is not suitable for day trips as it is only possible to reach the top of the lake by helicopter. That means the direct approach from the south on the Southwest Couloir, made less painful to make into an overnight stay at the Azanso Hut.

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表

裏



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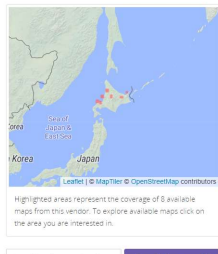
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表

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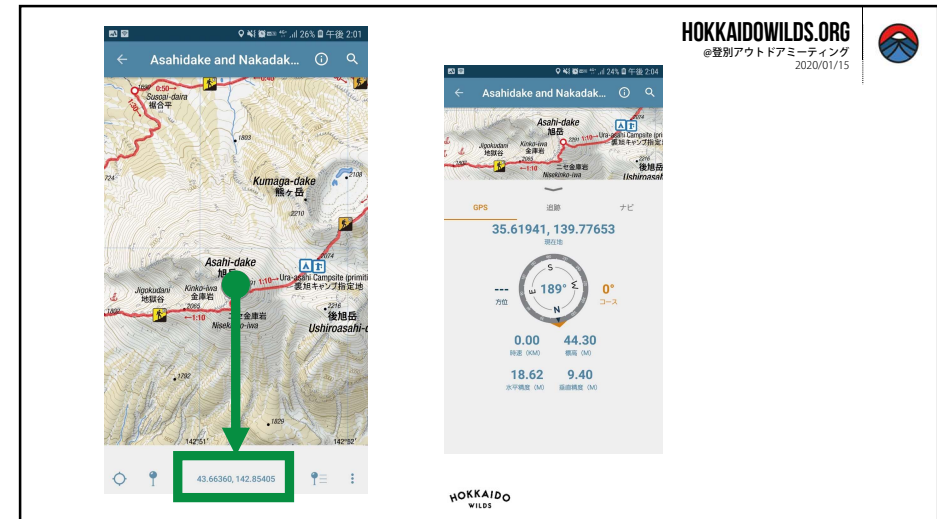
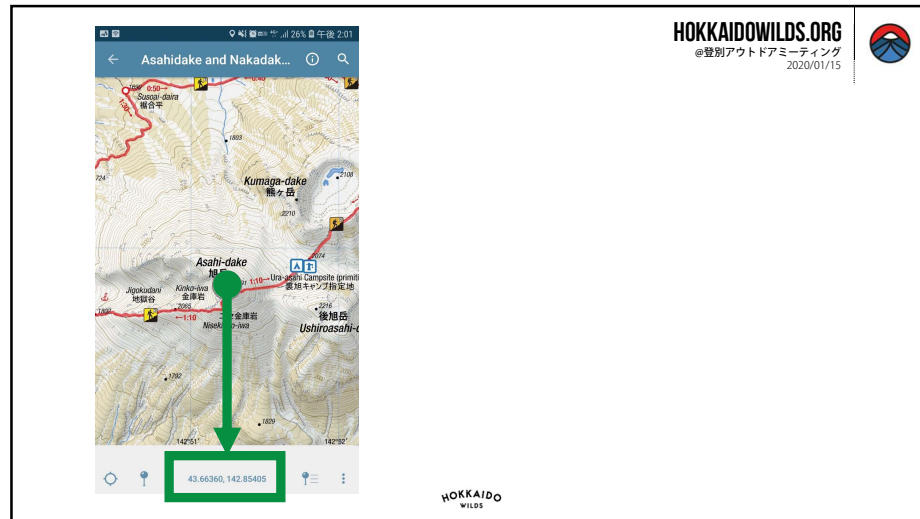


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国土交通省
国土地理院
Geospatial Information Authority of Japan

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+

QGIS Quantum Geographic Information System ソフトウェア

QGIS

- ☑ ボランティアによる開発
- ☑ 無料
- ☑ 日々発展していく機能
- ☑ 自分はとても使いこなせていない

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ウェブと例えるなら

地理院データは有料版		
国土地理院基盤地図データ 生物多様性センターデータ	≈	HTML
シェープファイルの属性	≈	CSSタグ
QGISスタイル	≈	CSS
自由に紙地図を作成する立派な土台は存在する		

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もし高等線、茶色にする
IF～ THEN～

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日本語地名を英語に

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2020/01/15



シェイプファイル (Anno.shp) のデータをQGISの属性テーブルからExcelにコピペ

kanaの列をローマ字に変換
<http://hebonshiki-henkan.info/>にコピペ

Excelで変換済み地名にハイフンや大文字をつける

例: Yotei-zan

準備した列をcsvとして保存しQGISのレイヤーとして挿入し、Annoレイヤーに統合



xlsxダウンロード
<https://hokw.jp/en-names>

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目標／課題

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2020/01/15



- ◎ 2025年まで北海道各地で
 - ◎ 登山ルート 120本
 - ◎ 山スキールート 150本
 - ◎ カヌールート 50本
 - ◎ 自転車ルート 120本
- ◎ 旅行者と地元の方との相互理解
- ◎ リスクコミュニケーション

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(日本政府)

『明日の日本を支える観光ビジョン』

明日の日本を支える

観光 + 国土地理院地図データ

HOKKAIDO
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HOKKAIDO
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Thank you for listening!

<https://hokkaidowilds.org>

イラスト by @welldonegan

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