

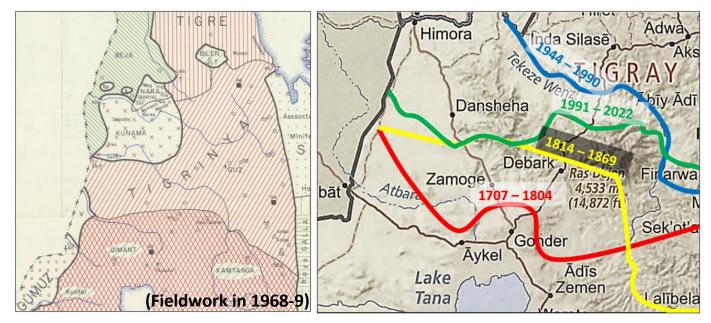
Dataset: Western Tigray in 101 historical and 18 ethno-linguistic maps (1607-2009)



Version 2

Graphical abstract

UNIVERSITY



Dataset: Western Tigray in 101 historical and 18 ethno-linguistic maps (1607-2009)



- Meta-analysis of co-eval historical maps representing Western Tigray (Ethiopia)
- Welkait part of Tigray in 1707-1804;
 1814-1886; 1939-1941; 1991-ongoing
- Welkait mapped as Amhara in 1891-1894 and Gondar in 1944-1990
- Not any evidence that "Welkait was always part of Amhara"
- Language maps unanimously show
 Tigrinya on both sides of Tekeze River

ዓደይ ትግራይ፡ ማሕረሰይ ወልቃይት ላሕ**ሞይ ሕን**ጊድ፡ ሰበይተይ ኮራይት ተራኺበን ክልተ ኣራዊት

Welkait farmers' verse, recorded in the 1930s

Nyssen, J., 2022. Dataset: Western Tigray in 101 historical and 18 ethno-linguistic maps (1607-2009). Version 2. Ghent (Belgium): Ghent University, Department of Geography. Zenodo, 141 p. https://doi.org/10.5281/zenodo.6554937

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Version 2

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Summary

There is a wide array of historical maps and records which jointly reveal that the territorial organisation of northern Ethiopia has tremendously changed over the last four centuries.

Historical maps representing the Western Zone of the Tigray Region (Welkait and adjacent districts, Fig. 1) have

been retrieved from specialised online repositories. Only maps prepared in the same period (co-eval maps) were used; all maps are formally kept in well-established repositories. Each map was screened for representation of internal borders, indicating territorial control. Out of 101 maps, spanning the period 1607-1967, 92 were precise enough to be analysed, of which 62 display territorial control. Descriptive statistics on the dataset as a whole are presented.

Starting from the late 17th C., internal boundaries are clearly shown, with 35 maps (between 1683 and 1941) displaying a boundary that is located well south of the Tekeze River, or even south of Simien (Fig. 2). Welkait is explicitly included within a larger Tigray confederation (periods 1707-1794; 1840-1886; and 1939-1941) (Fig. 3); it is briefly mapped as part of Amhara in 1891-1894 and part of Gondar from 1944-1990. At other periods it appears independent or part of a larger Mezaga ("dark earth") region. The Amhara/Gondar – Tigray border is mapped on the Tekeze River at short intervals in 1844-1847 and 1891-1894 and then more permanently between 1944 and 1990. The meta-analyis of the historical maps shows that for the larger part of the last 300 years or more, Western Tigray has been under Tigray jurisdiction, with a border running along or across the Simien massif (Fig. 5). However, at times of upheaval, the territory has been briefly reorganized under either the Amhara polities or was autonomous.

These maps demonstrate that the argument that Welkait was "always a part of Begemdir", or else Amhara, is not based on evidence, apart from a territorial reorganisation in the mid-twentieth century. In contrast, contemporary Tigray is a valid territory, whose legitimacy stems from modern federalism's faculty to create a region away from concepts of the Ethiopian empire-state. In 1991-4, when the boundaries of the Tigray Region were established as part of federal Ethiopia, local self-determination was way more important than historical maps. Remarkably, except for one, all 20th C. ethno-linguistic maps of the Ethiopian state sustain the current extent of the Tigray region.

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In other words: the Amhara nationalist narrative that there was continuous ancestral ownership of Western Tigray is not confirmed by a meta-analysis of the historical map database. We conclude with the suggestion to especially consider the recent and subrecent actual world, including language maps.

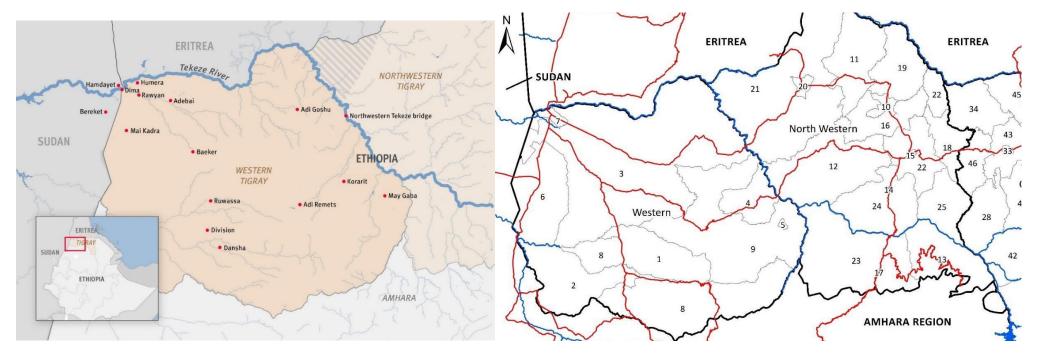


Fig. 1. Location of Western Tigray: at left with major towns (© Human Rights Watch & Amnesty International, 2022 (1)); at right woredas (districts): 1 Awrora, 2 Dansha town, 3 Kafta Humera, 4 Korarit, 5 May Gaba, 6 May Kadra, 7 Setit Humera, 8 Tsegede, 9 Welkait. The districts 23 Tselemti and 13 Dima as well as 17 May Tsebri town in Northwestern Tigray are also claimed by Amhara nationalists. (Source: Central Statistical Agency & Bureau of Finance, Economic Development (2020) Ethiopia Administrative Boundary Common Operational Database. Downloaded from https://data.humdata.org/dataset (2)).

Introduction

This database focuses on historical maps of Western Tigray (Fig. 1), which is not only notable for the multiple war crimes committed there during the ongoing Tigray War (1), but is also a contested area in Ethiopa between the Tigray and Amhara regions.

The Ethiopian constitution stipulates that the ethno-linguistic demography of a region, rather than the historical control of a group on that territory, determines the regional organisation. As a result, districts in Western Tigray were incorporated into the Tigray region in 1991-4, because a large majority of Tigrayans lived there at the time of inclusion. However, many Amhara

nationalists have claimed historical possession of these lands. Although this "historical ownership" argument is irrelevant to the current federal setup, Amhara irredentist claims should be scrutinized more closely. After all, Amhara irredentism has been a driving force in the Tigray war. Removing this most productive zone from Tigray appears also to be part of a strategy to impoverish and subjugate Tigray (3). Again, Ethiopian regime supporters proudly stated on July 2021: "Let them go! The defeated *Great Tigray* had to abandon the fertile regions it had stolen from the Amharas in the 1990s, and had to retreat to its arid *heimat*. (...) Tigray has no more modern agriculture and industry, the infrastructure is destroyed (...) The map of Greater Tigray was twice as large as the current poor Tigray" (4). Amhara irredentism (sensu 5) indeed had been one of the drivers of the war against Tigray.

Giovanni Ellero (6) hinted already at identity issues and territorial conquest in one of Western Tigray's districts called Welkait (see Fig. 1), in the early 20th Century. Two verses from his article can be used to summarize it.

To characterise the indomitable character of the Welkait people, Ellero mentioned a verse commonly used by the Welkait farmers:

ዓደይ ትግራይ፡ ጣሕረሰይ ወልቃይት ላሕሞይ ሕንጊድ፡ ሰበይተይ ኮራይት ተራኺበን ክልተ ኣራዊት (7).

contextually translated from Tigrinya as:

My land is Tigray, my croplands Welkait
My cow is wild, my wife angry
Now, the two have joined their forces

Reversely, the Gondarines had this verse:

ወልቃይት ፅንዴ ሰሜን አርማጭሆ ኣልንዛም ኣልሽ፡ ተንዛሽ እነሆ.

translated from Amharic as:

Welkait, Tseghedie, Semien, and Armachoho
You said "I will not surrender" and yet! you have been subjugated (8)

In an interesting webinar on 13 April 2022 at the *Wissenschaftlicher Arbeitskreis Horn von Afrika*, Prof. Wolbert Smidt (9) showed for the first time extracts of a map that contradicts the official Gondarine narrative of the history of Western Tigray, in which it is claimed that "Welkait has always belonged to Amhara" (5). A detailed search brought about several maps of the mid-19th Century, in which Western Tigray is clearly mapped as part of then Tigray confederation. Two representative maps are:

Weiland, C.F., 1841. Das nordoestliche Africa oder Aegypten, Nubien, Habesch, Kordofan und Dar-Fur, 1:5 000 000. Weimar: Verlage des geograph. Instituts [in German]. A scan of this map may be accessed and downloaded from the David Rumsey Center at Stanford University (https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~280071 ~90053341:Northeastern-Africa-or-Egypt,-Eritr).

Handtke, F.H., 1849. Nordöstliches Afrika, Ca. 1:5 600 000. In: Sohr, K., Supplement-Band zum Hand-Atlas der neueren Erdbeschreibung, 85. Flemming, Glogau/Głogów and Leipzig [in German]. Scans of this map may be downloaded from repositories at Estonia's national library (https://www.digar.ee/arhiiv/nlib-digar:429790) and at David Rumsey (https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~33543~171029:Composite--NO-Afrika-).

Historical maps of the Horn provide a lot of information about toponyms, regional names, and the territorial extent of groups, as well as local ideas of boundaries and routes, political claims overlapping, and ethnic conflicts and interactions. They were not only the work of visiting cartographers and scholars; they were the outcome of intensive local assistance and contacts with seasoned local partners who were experts in territorial knowledge and

sociopolitical practices (9). Besides, such maps allow pointing sometimes at different co-eval perceptions of territorial control. This relates not only to the position of internal boundaries but also to the extent of some territories that were very remote at that time, such as Mezaga.

On maps, boundaries will appear as lines, but the reality in Ethiopia is that it are also zones where a broad cooperation and interaction between ethnic groups takes place (10).

The goal here is not to prove territorial claims based on specific maps, but rather to demonstrate that there is a wide array of historical maps and records which jointly reveal that territorial organisation has tremendously changed during the last centuries. In other words: the narrative of ancestral Amhara ownership of Western Tigray does not correspond to historical documents. Having made this point, this article will conclude with the suggestion to rather consider the recent and subrecent real conditions on the ground.

Methods

Historical maps have been retrieved from two specialised online repositories: The David Rumsey Historical Map Collection at Stanford (https://www.davidrumsey.com), and the Ethiomap repository (https://ethiomap.huma-num.fr), a project by the École des Hautes Études en Sciences Sociales, Paris (France); Forschungszentrum Gotha der Universität Erfurt (Germany); Centre Français des Études Éthiopiennes (Ethiopia); and Mekelle University (Ethiopia). A few more maps were obtained from other online map collections (UBBasel, Switzerland; Atlas UGent, Belgium; British Library; Istituto Geografico Militare Italiano; Library

of Congress; Gallica Digital Library; African Studies Centre Leiden; University of Illinois; Staatsbibliothek zu Berlin; Berkeley University, The London Library; Smithsonian Library; U. Columbia).

Only co-eval maps were used, i.e. maps prepared in the same period as the displayed geography. All maps in the databaset are formally kept in well-established repositories (Table 1). No secondary sources, nor maps drawn in later periods were used. The language maps (at the end of the dataset) were mostly scanned by ourselves from the original works.

Table 1. Overview of historical maps in this database

	Number of	Poor	Good	Internal borders	Position of lettering suggests	Number of maps
	maps	accuracy	accuracy	shown	territorial control	used in the analysis
17 th C.	10	7	3	2	1	3
18 th C.	10	1	9	9	0	9
19 th C.	59	1	58	25	11	36
20 th C.	22	0	22	12	2	14
Total	101	9	92	48	14	62

From each map, we extracted the area comprised between 35°40′ and 42°20′E, 11°30′ and 15°20′N. The historical maps were organised in chronological order. Each map was screened for representation (or absence) of borders, or possible positioning of lettering representing territorial control. Especially in the oldest maps, the projection is often distorted and distances not proportional. In such cases, relative positions with respect to rivers and mountains were verified. Descriptive statistics on the dataset as a whole are presented. The meta-analysis of the maps is also summarised in a graphical way, using timelines.

Eighteen language maps (1903-2009) were retrieved from linguistic works as well as Ethiopian atlases. Maps representing only the extent of Semitic languages without precisions on the Amharic-Tigrinya interface, starting from Beke's map (11), are not incorporated in the database. The language maps were interpreted as a separate set, since the extent of a language does not necessarily fit with boundaries of political control. Particularly, we verified which were the languages of the communities in Western Tigray, as mapped by the different authors, who were often senior linguists.

Quantitative meta-analysis

One hundred and one maps were retrieved, spanning the period 1607-1967. Contrary to common belief, the name "Amhara" is used as a territorial unit throughout the map series, with the exception of the years 1944-1990.

Out of the 101 maps, 92 provide sufficient precision and detail to be analysed, but nine maps had very poor locational accuracy and were not used in the descriptive statistics (period 1607-1707).

On 48 maps, internal borders within "Abyssinia" are drawn. On the other hand, on another 44 maps, no boundary between Tigray and Amhara/Gondar/Begemder is established, but on 14 of these the position of lettering allows estimating the location of the border (Table 1). Hence, in total 62 maps could be examined for the location of internal borders.

On 35 maps, spanning the period 1683-1941, the boundary coincides with the crestline of the Simien mountains (21 maps, 34%), is established south of Simien (eleven maps, 18%), or between Simien and Tekeze (three maps, 5%). Cartographers de L'Isle (1707), Bonne (1782) or Cassini (1798) mapped Tigray's southern border close to Chelga (= Aykel) or Emfraz, two towns that are west and southeast of Gondar. Overall, on more than half of the analysed maps, large territories southwest of Tekeze River are mapped as part of Tigray (Fig. 2).

On 14 maps (23%), spanning the periods 1844-1847, 1891-1894 and 1944-1990, the boundary between Tigray, and Amhara/Begemder closely follows the Tekeze River.

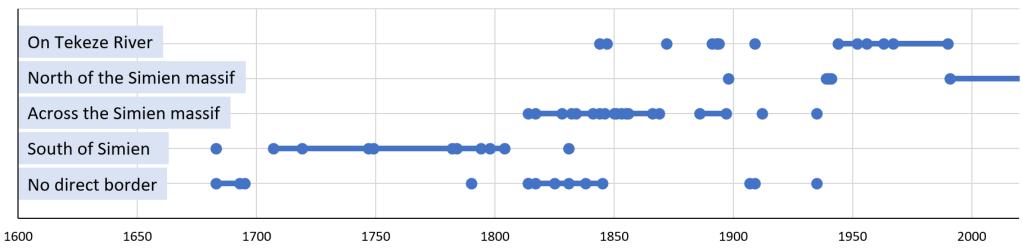


Fig. 2. Location of the border between Tigray/Tigrai/Tigre and Amhara/Gondar/Begemder, according to historical maps (n=62). Every dot represents a map in the dataset. Gaps between subsequent maps must be understood as "no information" or "period of shifting territorial control". Conflicting information on territorial control in certain periods points to different information by cartographers. The power of such a large dataset is that the overall picture of the situation can be better grasped.

On 49 maps, the territorial control of Welkait is clearly indicated. On 19 of those maps, spanning the periods 1683-1693 and 1790-1838 and some isolated moments, Welkait belongs neither to Tigray, nor to Amhara/Begemder (Fig. 3). On 18 other maps (37%), Welkait is explicitly

included within a larger Tigray confederation (periods 1707-1784 and 1844-1866, and again briefly in 1939-1941); it is mapped as part of Amhara on 24% of the maps, i.e. in 1891-1894 (four maps), 1909, 1925, 1938 and from 1944-1990 (four maps).

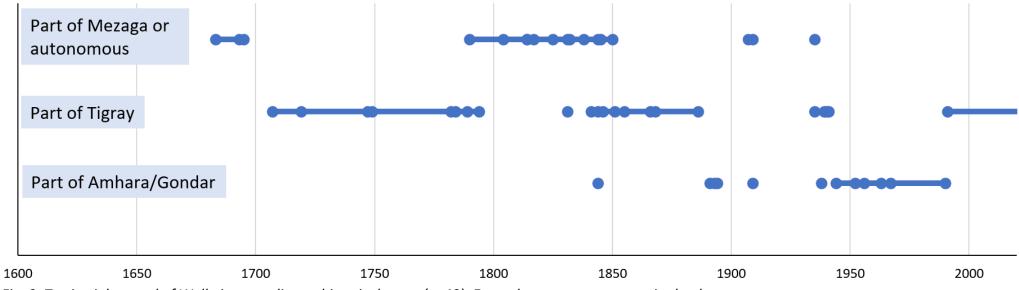


Fig. 3. Territorial control of Welkait, according to historical maps (n=49). Every dot represents a map in the dataset.

Discussion

Welkait was not "always", rather "occasionally" part of Amhara

Overall, these maps demonstrate that the argument that Welkait was *always* a part of Begemdir or Amhara is not based on evidence, apart from a territorial reorganisation in the mid-twentieth century (12, 13). Indeed, the Abyssinian emperors Menelik and Haile Selassie divided the country into provinces, replacing territories that were formerly semi-autonomously governed. As colonial powers did elsewhere, Haile Selassie cut into these existing territories and used this territorial reorganisation as a way to

reward his allies. The resulting provinces were hence constructed along the strength of local powers (zones of influence of major towns), regardless of ethnic composition. For instance, the northern third of Haile Selassie's Gondar province was inhabited by Tigrinya speaking population (Fig. 4); the Dejena mountain range in Welkait (up to 2700 metres high) became, around 1980, the main base for Tigray resistence against the Derg regime that was in power at the time (14).

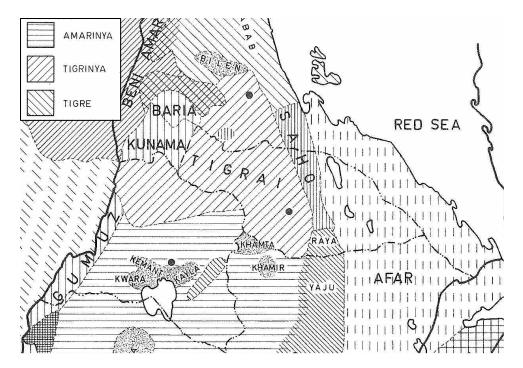


Fig. 4. Map of provinces and ethno-linguistic settlement patterns in northern Ethiopia by Trimingham (1965) (15), republished by Westphal (16). The Gondar province extended from Lake Tana up to the then province of Eritrea, with the Tekeze River forming the boundary. Besides a majority of Amharic speakers, Gondar comprised large areas inhabited by Tigrinya and Gumuz speakers, as well as Kwara, Kemant, Kayla and Yaju Oromo (in the eastern part of Gondar province). Population groups in the 1965 Tigray Province comprised Tigrinya speakers, Saho, Afar and Raya Oromo. Provincial capitals Gondar, Mekelle and Asmara are represented by large dots. The northernmost province, Eritrea, has since become an independent state. The post-1992 Tigray region encompasses the Tigrinya-speaking areas of Ethiopia.

The numerous historical maps that show Welkait, Tsegede, Tselemti and adjacent districts (see Fig. 1) as part of Tigray were systematically omitted

in Achamyeleh Tamiru's (5) review justifying Amhara nationalist claims on the area.

Language maps justify the current extent of the Tigray Region

In contrast, contemporary Tigray is a valid territory, whose legitimacy stems from the intention of modern federalism to create federated states on a new basis not derived from concepts of the Ethiopian empire-state (sensu 17). In 1991-4, when the boundaries of the Ethiopian federal regions, including those of the Tigray Region were established, local selfdetermination was way more important than historical maps (12). Remarkably, all but one language maps of the Ethiopian state at the time sustain the current extent of the Tigray region. As an exception among language maps (pages 119 to 141), Levine's (18) map (page 129) shows an extent of the Amhara language up to the Tekeze river. Ever since publishing the first edition of his "Greater Ethiopia – the evolution of a multiethnic society", Levine encountered much criticism for his vision of Ethiopia as a 'single societal system' and his advocacy for benefits of Menelik's conquests and Amhara dominancy of the country under the cover of multi-ethnic evolution (12, 19). Hence, we consider his map as an "outlier" among all other language maps (since 1903) that show an extent of Tigrinya that fits with the borders of Western Tigray. On the maps, the Tigrinya-speaking area extends from the Sudanese border up to the Rift Valley escarpment at the east. Two major rivers cross the Tigrinya language area, the Mereb at north and the Tekeze in the southern part. The same language community lives on both sides of the rivers.

Within Ethiopia, rivers appear seldom as ethno-linguistic borders. The rivers Abay, Awash, Kusa (Beles), Wabe Shebelle, Mereb, Gibe, and many more flow through the same linguistic area. Amhara nationalists frequently argue that the Tekeze river constitutes an ethno-linguistic border. However, in Ethiopia and around the world, the same communities dwell across large rivers. In Ethiopia, only the 200 kilometres of the Blue Nile canyon form an ethno-linguistic boundary, though even this latter linguistic boundary is not sharp on Bender's (1976) map (20, 21).

On ethno-linguistic maps, boundaries will appear as lines, and at the scale of this map, these lines are strongly generalised, straightening sometimes convoluted boundaries and transition zones. The reality in Ethiopia is that boundaries are also zones where a broad cooperation and interaction between ethnic groups takes place (10). In addition to Tigrinya, the maps also show that Kunama is spoken on the southern shores of the lower Tekeze River.

The federalist approach is built into Ethiopia's legal constitutional framework: history is nowhere referred to in the constitution, as both Art 46.2 ('states shall be delimited on the basis of settlement patterns, language, identity and consent of the people concerned') and Art 39.5 ('a "nation nationality or people" for the purpose of this constitution, is a group of people who have or share a large measure of a common culture, or similar customs, mutual intelligibility of language, belief in a common or related identities, a common psychological make-up, and who inhabit an identifiable, predominantly contiguous territory') make it clear that history

or historical precedent are *not* acceptable legal bases either for the demarcation of states or for identifying the nations, nationalities and peoples which constitute legal right-bearers under the constitution.

As historical maps are a subject of research by the Ethiomap research project (22), with Wolbert Smidt working on maps of the Ethiopian highlands and northern territories, more findings on the context of these four centuries of maps are expected. Yet, there are clear major trends appearing from the meta-analysis of the historical maps.

Boundary timelines

Western Tigray has been inhabited by Tigrinya speaking populations and for the larger part of the last 300 years or more, as the maps show, it has been under Tigray jurisdiction, with a border running along or across the Simien massif (Fig. 5, Fig. 6).

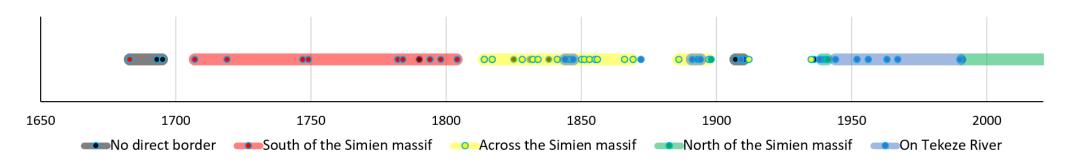


Fig. 5. Timeline of the location of the boundary between Amhara/Begemder/Gondar and Tigray/Tigrai/Tigre, according to historical maps (n = 62). Individual maps are represented by dots, some of which are hidden by overlap. This timeline holds the same information as Fig. 2, displayed in such a way to represent the major tendencies as well as interruptions in them. Position of borders is represented with the same colours in Fig. 6. Hiatuses represent time steps for which no information is provided by historical maps.

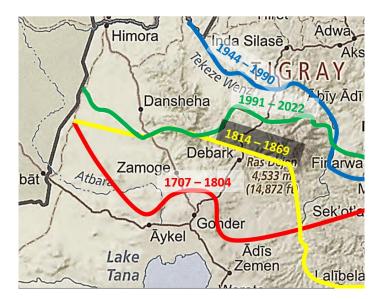


Fig. 6. Approximate location of the boundary between Amhara/Begemder/Gondar and Tigray/Tigrai/Tigre, according to historical maps (n = 62). Time steps and colours as in Fig. 5, and boundary courses in line with representative maps for the time steps: 1707 – 1804 (red, Bonne 1782); 1814 – 1869 (yellow, Handtke 1849); 1944 -1990 (blue, De Agostini 1952); and current (green). The latter boundary course as well as the base map are from Library of Congress (2009).

Western Tigray has been inhabited by Tigrinya speaking populations and for the larger part of the last 300 years or more, as the maps show, it has been under Tigray jurisdiction, with a border running along or across the Simien massif (Fig. 5, Fig. 6). However, at times of upheavals like what is happening today (2020-2022), the territory has been briefly reorganized under either the Amhara polities or was by itself, as many provinces were under separate rulers. The general trend we see in the maps (Fig. 6), is supported by the Amharic verse on page 5 celebrating the subjugation of Welkait and surrounding districts.

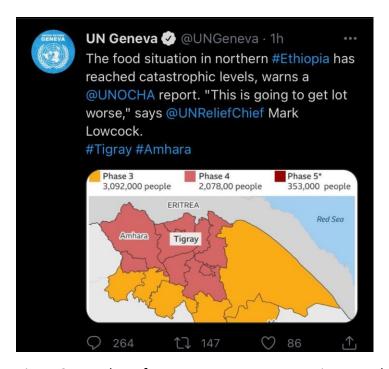


Fig. 7. Screenshot of a contemporaneous mapping error by UNOCHA (2021), representing a territorial claim. In digital times such errors are rapidly intercepted and the map has been deleted (yet without ackowledging the mistake).

If one were to come in 50 years from now, some maps of 2020-2022 would appear as in 1844-1847, or 1891-1894, with Western Tigray displayed as part of Amhara. For instance, on June 10th, 2021, UNOCHA briefly published a map of Tigray (presumably using information provided by their staff in Addis Ababa) with large parts of Tigay incorporated in the Amhara Region (Fig. 7). Hence, the brief hiatuses in historical maps where Welkait ceased to be part of Tigray may be explained by situations similar to that of 2020-2022.

Conclusions

Historical cartography demonstrates that claims of long-standing Amhara dominance over Western Tigray are not supported by historical facts and are therefore based on sand.

The map that is presented as 'historical Ethiopia, as it always was' – the one on the back of exercise books in Ethiopia in Derg time – that map and its variants, appeared only in 1944.

If historical ownership arguments are to take place, they should include the full range of historical maps. This dataset supports such an approach. Also, settlement of territorial conflicts should especially reflect the recent and sub-recent ethno-linguistic situation.

Acknowledgments

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- 7. The term ኣራዊት [arawit], when used for people, points to someone who is not easy to handle.
- 8. The verse shows the sense of subjugating a region, a region that does not belong to them. If it were already under their jurisdiction, why would someone state "ኣልግዛም ኣልሽ" [algezam alsh] ("you said I will not surrender", "you" being here: Welkait, Tsegede, Simien, Armachiho, i.e., the contested lands of western Tigray and surrounding)? The verse indicates that at some points in time these areas were subjugated (by force or by decree) by Gondar.
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- 24. Miran J. 'Stealing the way' to Mecca: West African pilgrims and illicit Red Sea passages, 1920s-50s. The Journal of African History. 2015;56(3):389-408.
- 25. Simoons FJ. Northwest Ethiopia, peoples and economy: The Univ. of Wisconsin Press; 1960.
- 26. Kuls W. Land, Wirtschaft und Siedlung der Gumuz im Westen von Godjam (Äthiopien). Paideuma 1962;8(1): 45-61.

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Maps in the database are reproduced as historical documents, without correcting the derogatory xenonyms for some ethnic groups.

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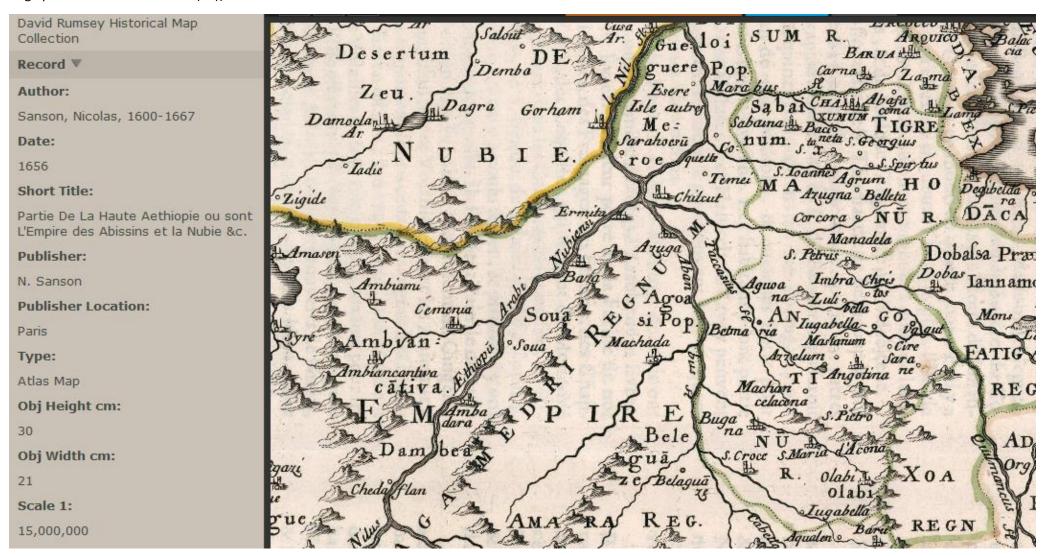
Very poor locational accuracy; see relative position of Chilcut, Tigre-mahon, Bagamidri. Note also the erroneous mapping of Blue Nile and Atbara that were assumed to meet again upstream, creating the "Island of Meroé" which persisted in maps for a century. Same geography was used in numerous maps at the time. Such maps with poor accuracy were not used in the meta-analysis (see Table 1).



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~275785~90048763:-125--Abissinorum-

Sanson, **1656**

Mercator's map, with boundaries drawn; large Begemedri Regnum, small Tigre Mahonur. Same large locational inaccuracy, note the large Meroe island (which is in reality a large peninsula between rivers (23))



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~294868~90065866:Partie-De-La-Haute-Aethiopie-ou-son

Boisseau & Jollain, 1659

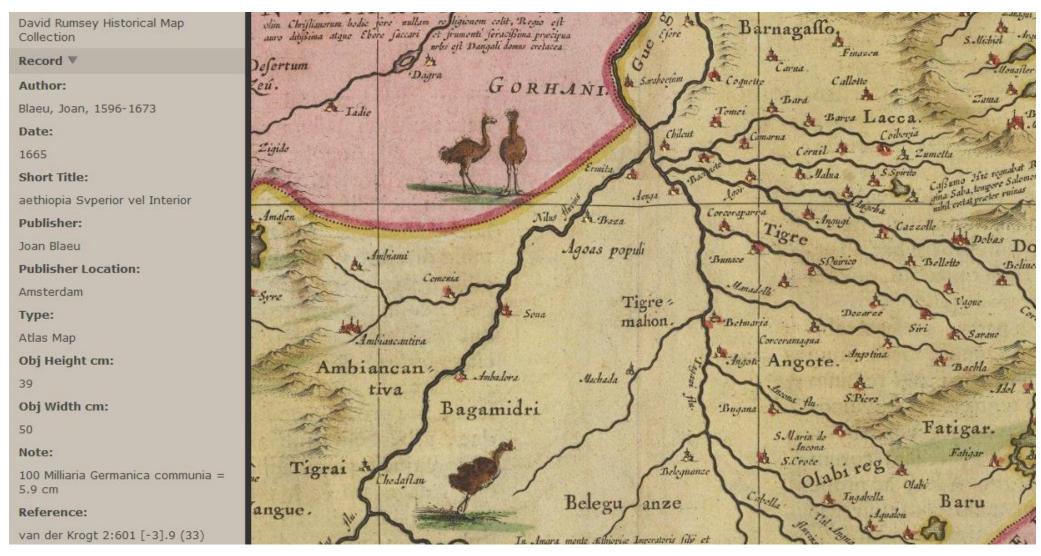
Many locational inaccuracies (see Amasen, Syre); boundaries not drawn.



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~305808~90076154:Le-Royaume-Abyssin-

Blaeu, 1665.

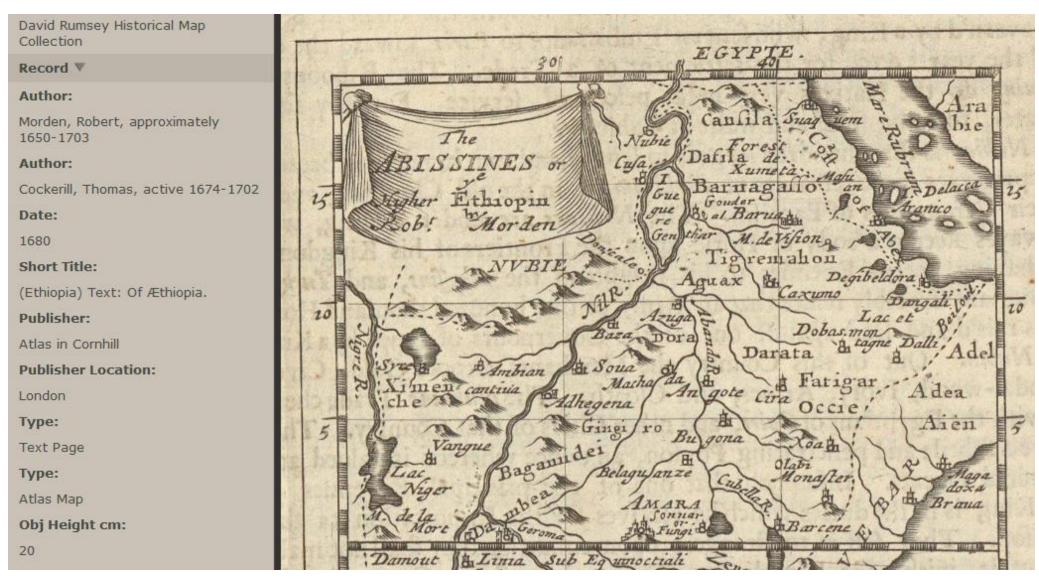
Largely based on Ortelius. Very poor locational accuracy; see relative position of Tigre, Chilcut, Tigre-mahon, Bagamidri. West of Bagamidri there is a non-identified "Tigrai".



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~282839~90054346:aethiopia-Syperior-vel-

Morden & Cockerill, 1680

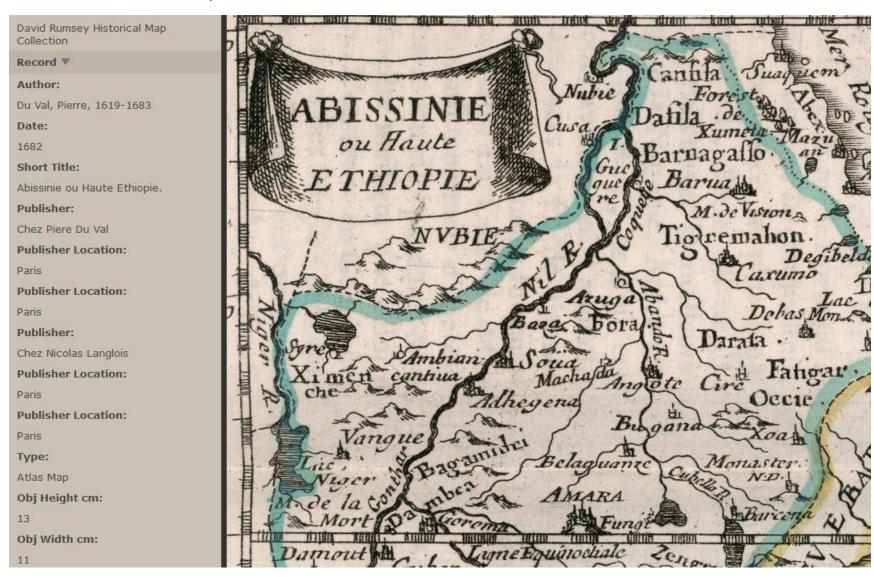
Numerous locational inaccuracies; internal boundaries not drawn.



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~335450~90103132:-Ethiopia--Text--Of-%C3%86thiopia-

Du Val, 1682

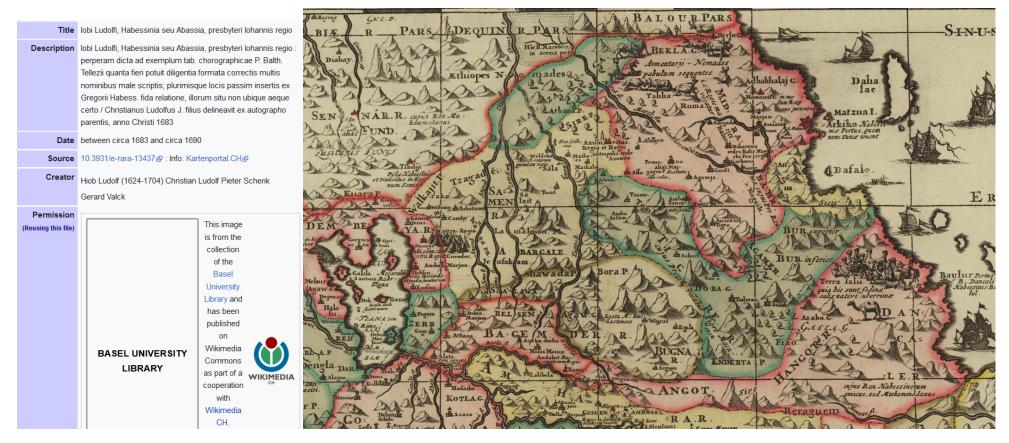
Numerous locational inaccuracies; internal boundaries not drawn.



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~315847~90084676:Abissinie-ou-Haute-Ethiopie-

Ludolf & Gorgoryos, 1683

Besides Bagemder and Tigre, there are separate Midra Bahr and Semen (including Walkajit).



https://upload.wikimedia.org/wikipedia/commons/5/59/UBBasel Map 1683-1690 Kartenslg Mappe 252-62 Habessinia seu Abassia.tiff

https://ethiomap.huma-num.fr/public/?id article=22

Manesson-Mallet, 1683 (similar in 1685)

Quite good relative position of hydrography. Size of lettering tends to indicate hierarchy in territitorial control. "Tigre" spans Tacaze R. and includes "Samen" (smaller lettering).



Title

Empire des Abyssins.

Creator

Manesson-Mallet, Allain, 1630?-1706?

Place of Publication

France

Date

1685

Coverage-Spatial

Africa, Eastern Q

Type

Cartographic material C

Dimensions

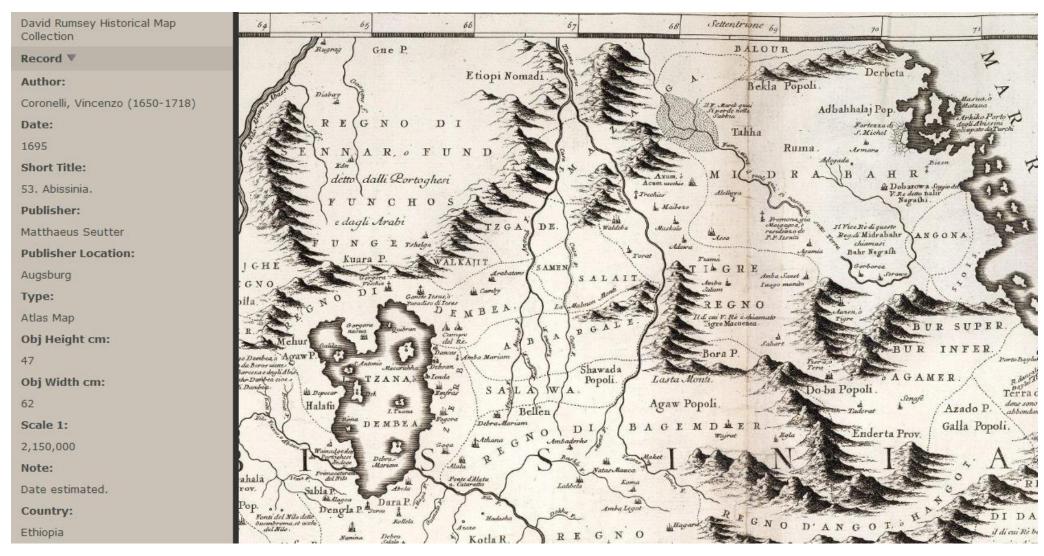
14.7 x 10.3 cm.

https://digital.library.illinois.edu/items/573c6910-e947-0133-1d3d-0050569601ca-1#

https://www.biblio.com/book/empire-abyssins-mallet-allain-manesson/d/1342920520

Coronelli, **1695** (also 1693)

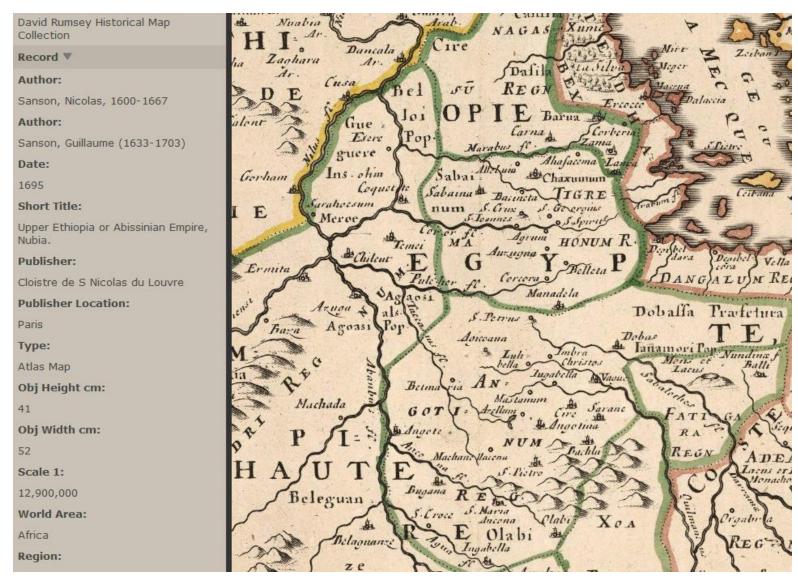
Borders of Kingdoms of Tigre and Bagemeder and surrounding princedoms, including Walkajit; without hierarchy. Tigre Regno extends southwest of Tekeze.



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~283026~90055440:53--Abissinia-

Sanson & Sanson, 1695

Very poor locational accuracy; the "Island of Meroé" is again represented.



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~280886~90053724:Upper-Ethiopia-or-Abissinian-Empire

de L'Isle, **1707**

Border is drawn well south of Simien Mts; Olcait in "Royaume de Tigré".



MAP

Map of Egypt, Nubia, Abyssinia, etc..

Carte de l'Egypte, de la Nubie, de l'Abissinie &c.

French cartographer Guillaume de L'Isle (1675-1726) was admitted into the Royal Academy of Sciences when he was 27 years old and subsequently became the first person to receive the title Premier Géographe du Roi (principal geographer to the king). He was one of the most important cartographers of the early 18th century and a major figure in making Paris a center of cartographic science....

Contributor: L'isle, Guillaume De - Desrosiers.

Active

Date: 1707

https://www.loc.gov/item/2021668731/

Lobo & de Almeida, 1707

Many of Ortelius' elements still present; strong distortion of the projection in the eastern part.



https://commons.wikimedia.org/wiki/File:Africa_1707_Lobo.jpg

catalogue.leidenuniv.nl University Library, Closed Stack 5, 1392 H 6

Chatelain & Gueudeville, 1719

Clear boundary, to the south of the Simien Mts.



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~324696~90093924:Tome-VI--No--3--Pag--7--Carte-Parti

Bowen, 1747

With internal borders. "Kingdom of Tigra" extends well south of Tekeze; Olcait part of "Kingdom of Tigra".



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~2593~280009:Nubia-&-Abissinia-

https://ethiomap.huma-num.fr/public/?id_article=39

de Vaugondy, 1749

"Roye de Tigre" (Kingdom of Tigray) expanding widely on both sides of Tekeze River. The river is named Atbara on the map, but topology and location of place names Siri and Axoum indicate that this is the Tekeze River. Southern border of Tigray is near to Gondar.



Hope COLLEGE

Nubie, Abissinie, et Cote d' Ajan

ARTIST

Gilles Robert de Vaugondy (French, 1688 - 1766)

DATE

1749

MEDIUM

hand-colored engraving on laid paper

DIMENSIONS

Plate : 7×7 5/8 in. (17.78 × 19.37 cm) Sheet : $8 \ 1/2 \times 11$ in. (21.59 × 27.94 cm)

CREDIT LINE

Gift of Neal and Elizabeth Sobania

https://providence.hope.edu/index.php/Detail/objects/5536

Bonne, 1782

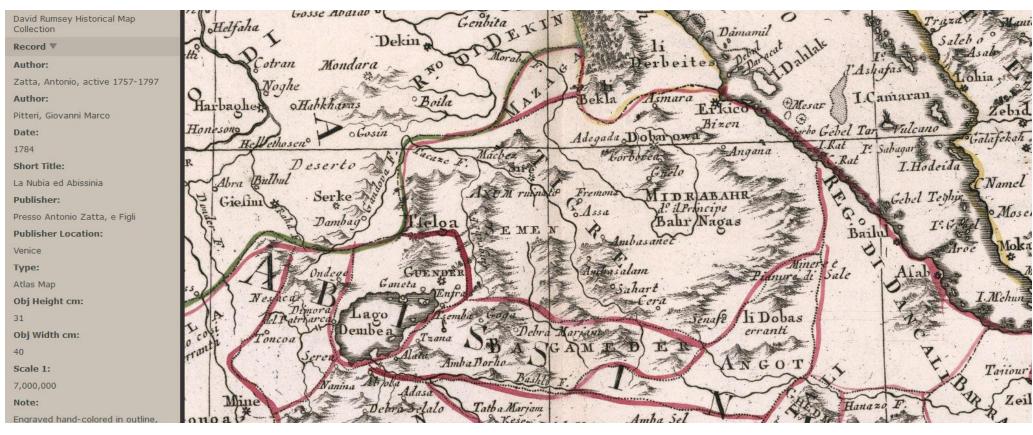
Boundary Tigré/ Dembea-Bagameder runs well south of Tekeze; Tselga = Aykel as border town. Similar map in 1780, but without borders.



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~20493~540091:Nubie,-Abissinie-

Pitteri, 1784

Tigre border with Guender and Bagameder outlined; all are part of Abissinia. Border well south of Simien.



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~295461~90066605:La-Nubia-ed-Abissinia

Bruce, 1790

Separate territorial units Tigre, Begemder, Waldubba, Walcait...



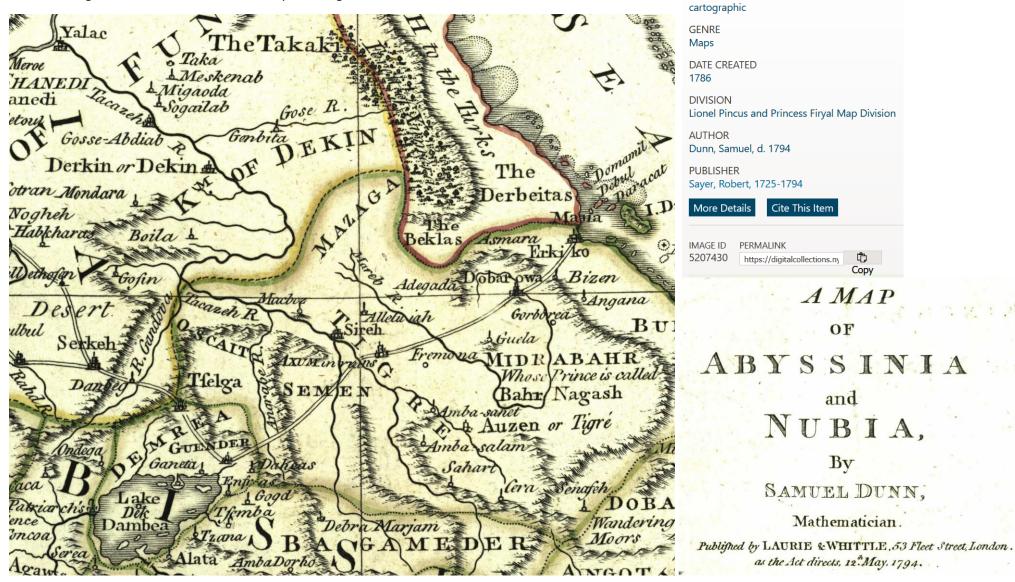
Exploring historical maps of the Horn of Africa

Maps Help Chart of the Arabian Gulf... (James Bruce - 1790) SERAWE Anguetal Ribienning Fulmolar, Axum Amba Salam Menfus Kedus Higherbu Dobretun Lowerbu Kenmont two Vil GONDAR Abargale Salao & Mariam &Nefits Musa K.of BEGEMDER

https://ethiomap.huma-num.fr/public/?id article=51

Dunn, 1794 (similar in 1786)

Borders of Tigre in line with de l'Isle. "Oscait" part of Tigre



A map of Abyssinia and Nubia

TYPE OF RESOURCE

https://digitalcollections.nypl.org/items/1dd15940-857d-0132-6513-58d385a7b928

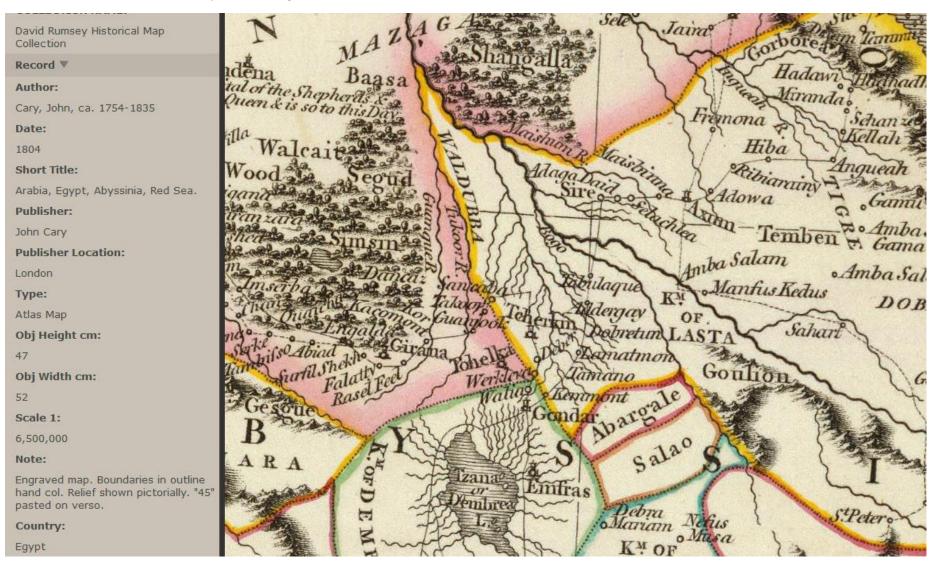
Cassini, 1798

Tigre border with Guender and Bagameder outlined, south of Semen; all are part of Abissinia.



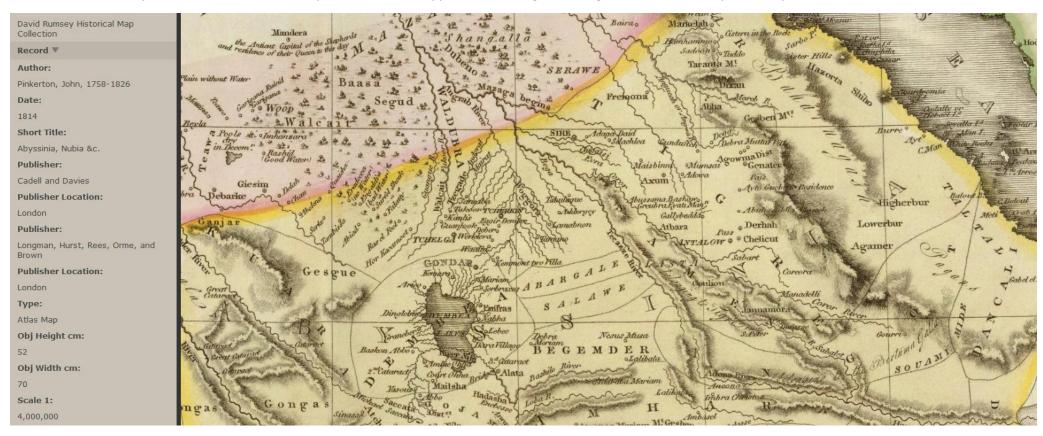
Cary 1804

Border is south of Simien; Walcait part of Mazaga.



Pinkerton, 1814

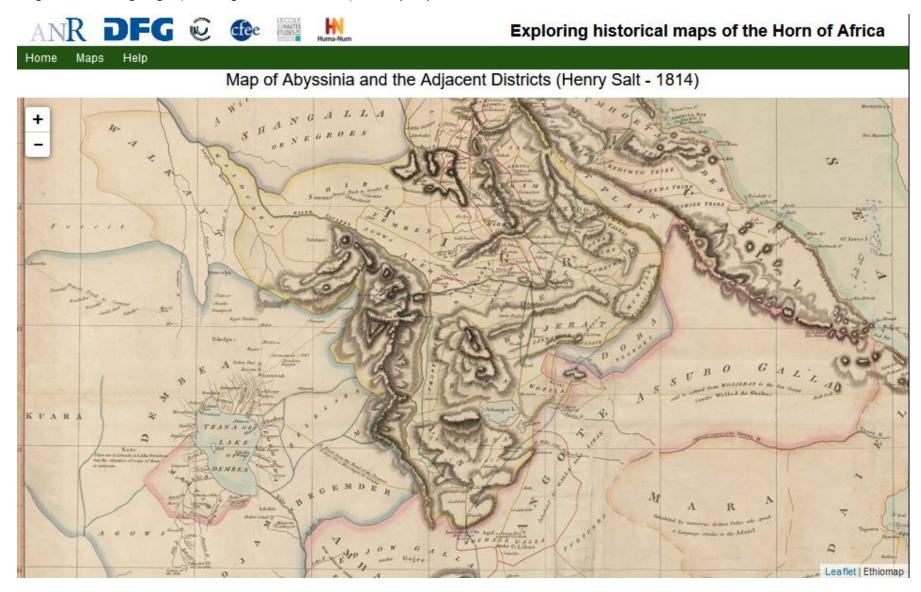
No territorial hierarchy shown. Three intermediate princedoms are mapped between Tigre and Begemder; Walcait not part of Abyssinia.



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~3834~370026:Abyssinia,-Nubia-&c-

Salt, **1814**

Large Dembea; Large Tigre (including Simien, Waldubba); Walkayt separate.



https://ethiomap.huma-num.fr/public/?id article=23

Thomson, 1814

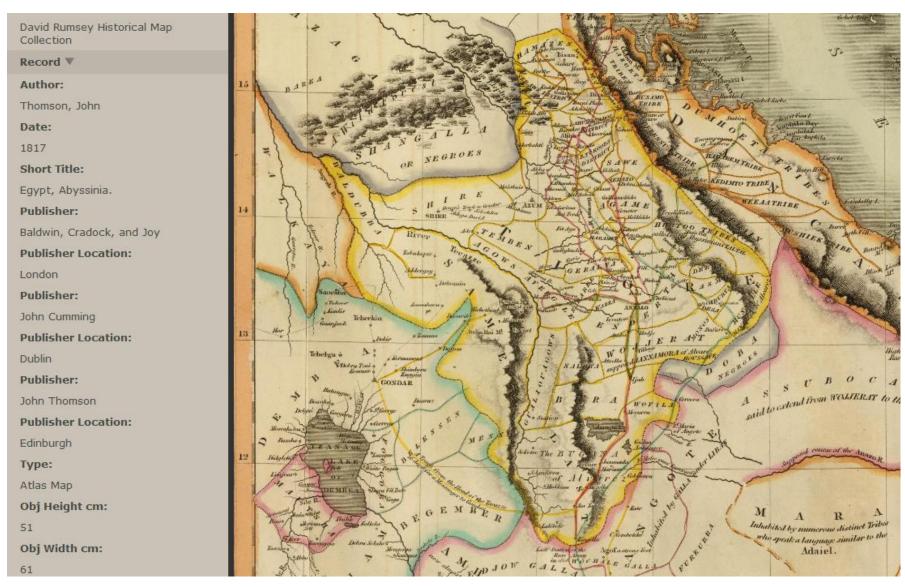
Numerous internal boundaries without hierarchy; Walcait part of Mazaga.



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~28370~1120799:Arabia,-Egypt,-Abyssinia,-Red-Sea-

Thomson, **1817**

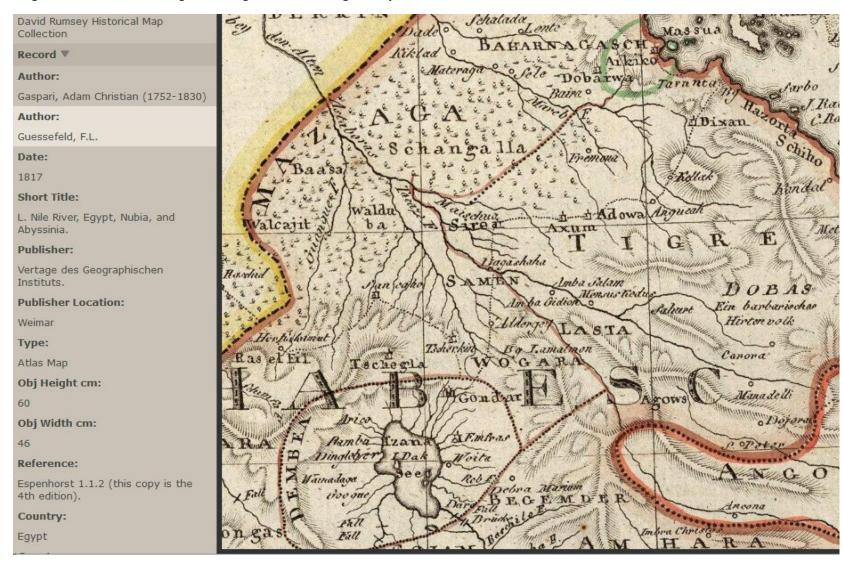
Clear delimitation of Dembea, Walkaya and Tigre, which extends west of Tekeze River.



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~28373~1120802:Egypt,-Abyssinia-

Gaspari & Guessefeld, 1817

Large territories between Tigre and Begemder, including Walcajit.



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~276124~90049316:L--Nile-River,-Egypt,-Nubia,-and-Ab

Borghi, **1818**

Abissinia, without internal boundaries.

David Rumsey Historical Map Collection	Gerri NUBLA Baigada Loheia Sar
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Note:	THE HATTER
Engraved political map of northeastern Africa (including the region of Nubia and Abyssinia [present-day Ethiopia]) and the Arabian Peninsula, with hand-colored outlines delineating boundaries. Title	Gonca GURAGUE Buzamo CAFFA CAMBAT Gumar M. Ganca

 $\underline{https://www.davidrumsey.com/luna/servlet/detail/RUMSEY^8^1^339860^90108067:Supplemento-alle-Carte-d-Asia-ed-Affection (Control of the Control of the Con$

Arrowsmith, 1825

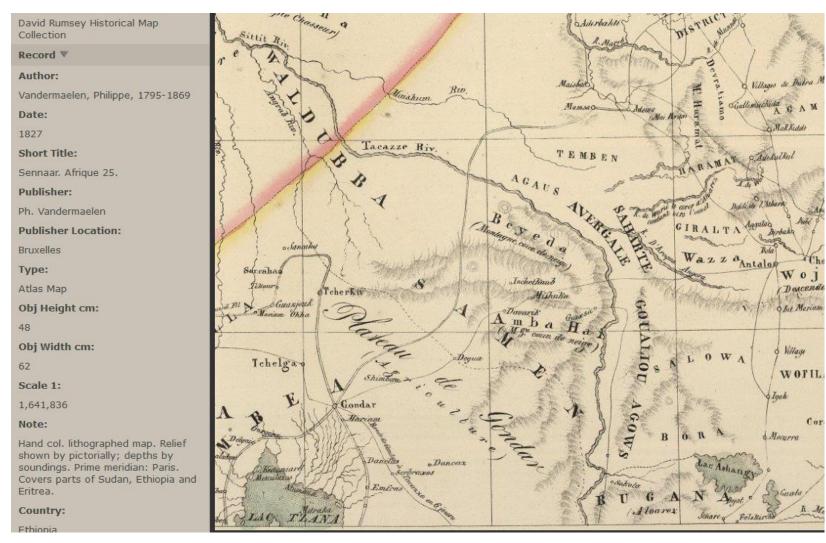
Internal borders without hierarchy.

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Hand color map, with colored boundaries. Showing regions, place names, rivers, etc. Includes notes. Relief shown by hachures. Prime meridian is Greenwich.	ngtood C. Dek R. Reb. LAKE Wate Repair Tipekta Wate Dem Vil Ture Longine DE MBEA Door Vil Ture Longine DE MBEA Door Vil Ture

https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~233965~5509786:Abyssinia

Vandermaelen, 1827

Numerous names of "princedoms", no Tigray or Amhara, no boundaries.



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~25205~90090253:Sennaar--Afrique-25-

Brue, 1828

Dotted lines representing borders, across the Simien crestline



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~33953~1170106:Afrique,-septentrionale-

Hall, **1830** (similar in 1828)

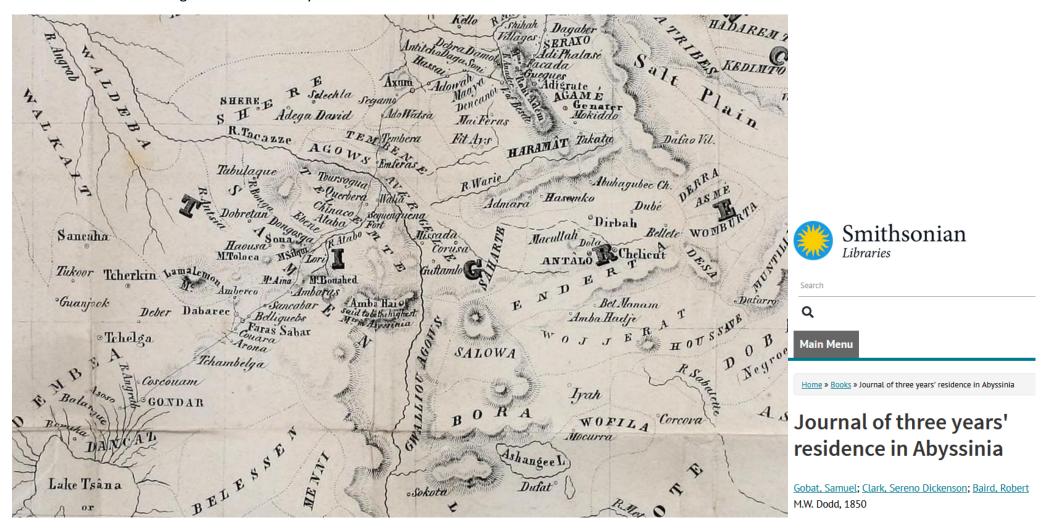
No internal borders



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~21817~670050:Nubia,-Abyssinia-

Gobat, 1831

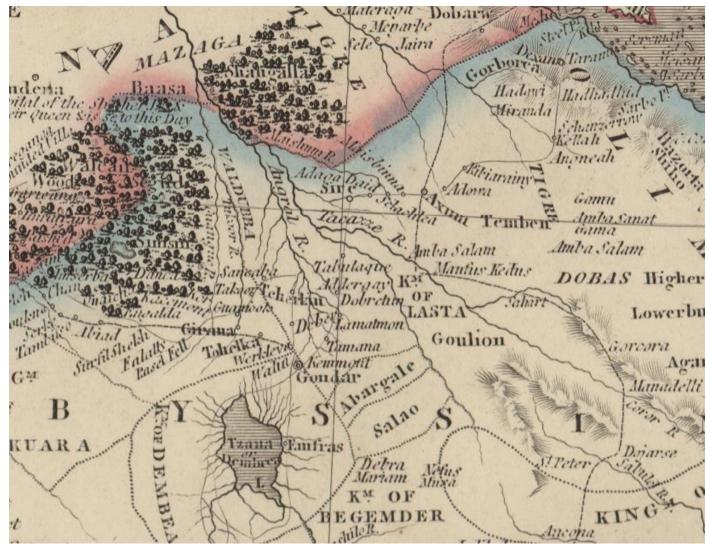
Gobat's book and map refer to the period of his active travel in Abyssinia (1830-1832). Numerous internal boundaries; positioning of lettering TIGRE hints at territorial control including "Samen" and likely also "Walkait".



https://library.si.edu/digital-library/book/journalofthreeye00goba

Lizars & Lizars, 1831

Map displays borders, without hierarchy; numerous smaller entities; Walcait is mapped as part of Mazaga



MAP

Arabia: With the Adjacent Countries of Egypt and Nubia.

Arabia : with the adjacent countries of Egypt & Nubia

William Home Lizars (1788-1859) was a Scottish engraver and painter and the son of the engraver Daniel Lizars. This map appears identical to the one engraved by Daniel, which appeared in The Edinburgh Geographical and Historical Atlas published by John Hamilton in 1831. It is plate 47 of the atlas. Relief is shown by hachures, and scale is indicated in British statute miles. The...

Contributor: Lizars, Daniel - Lizars, W.H. (William Home)

Date: 1831

https://www.loc.gov/item/2021668729/

Arrowsmith, 1832

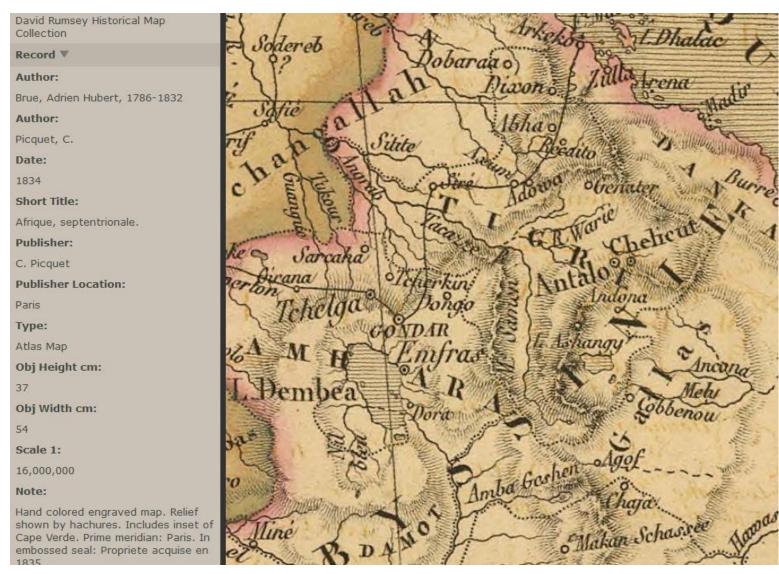
Clear boundary, south of the Simien crestline



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~33873~1170025:Nubia,-Abyssinia-

Brue & Picquet, 1834

Internal border Amhara-Tigré runs well south of Tekeze R.



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~35065~1180690:Afrique,-septentrionale-

Combes & Tamisier, 1838

Numerous smaller territories with boundaries, and three main territories, Tigré, Semen and Amhara (boundaries do not allow to ascertain affiliations).









Exploring historical maps of the Horn of Africa

Maps Help

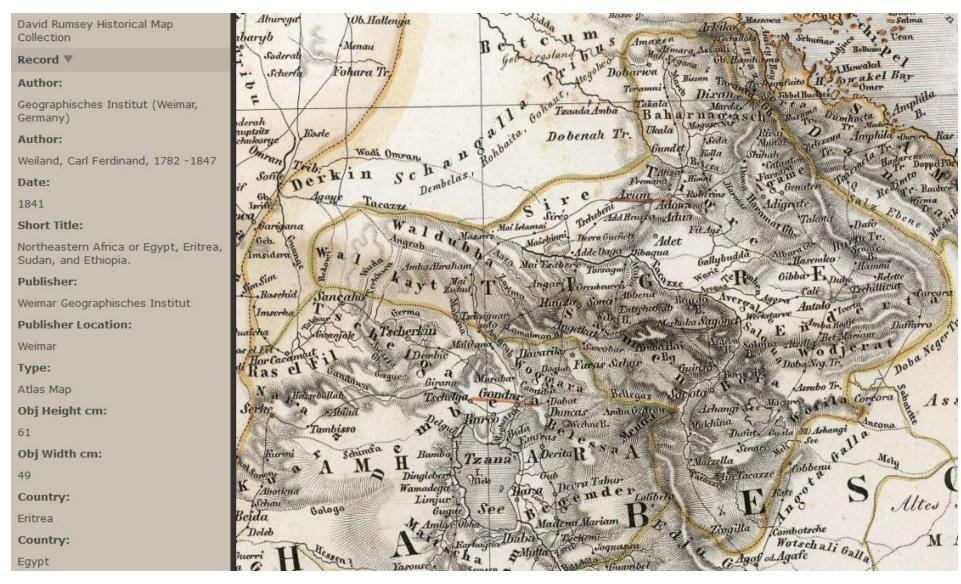
Carte de l'Abyssine, du pays des Galla, de Choa et d'Ifat (Combes et Tamisier - 1838)



https://ethiomap.huma-num.fr/public/?id article=44

Weiland, 1841

Internal border well south of Tacazze. Walkayt part of Tigre.



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~280071~90053341:Northeastern-Africa-or-Egypt,-Eritr

Society for the Diffusion of Useful Knowledge (GB), 1843 (also in 1865)

No internal borders drawn; lettering Tigré across Tekeze and Amhara north of Lake Tana, suggesting a border over Simien.



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~20915~530016:Arabia,-Egypt,-Nubia,-Abyssinia-

Mc Queen & Isenberg, 1844

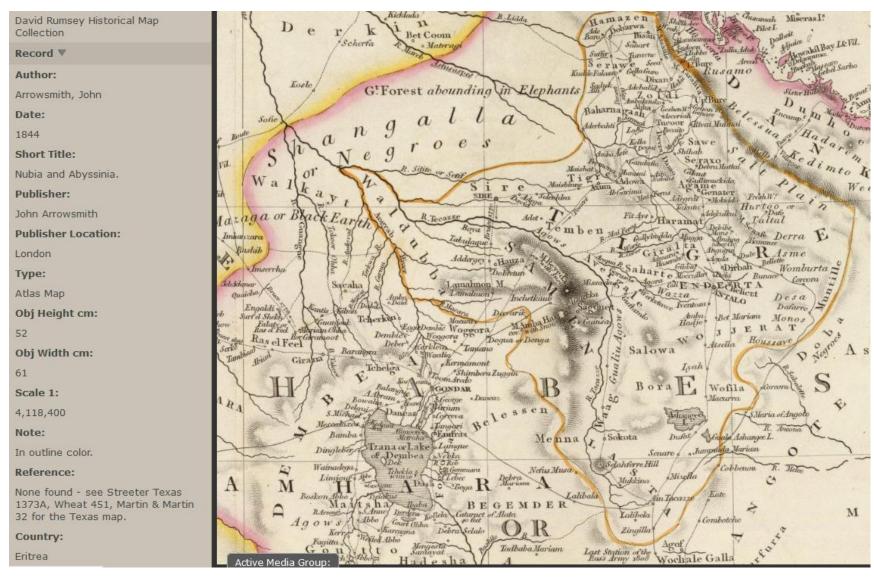
No boundaries; naming Tigre and Amhara suggests boundary is on Tekeze; Walkait a bit to the west. Data collection: 1839-1842 (see https://www.abebooks.com/first-edition/Journals-Rev-Messrs-Isenberg-Krapf-Missionaries/30494935218/bd)



https://ethiomap.huma-num.fr/public/?id_article=24

Arrowsmith, 1844

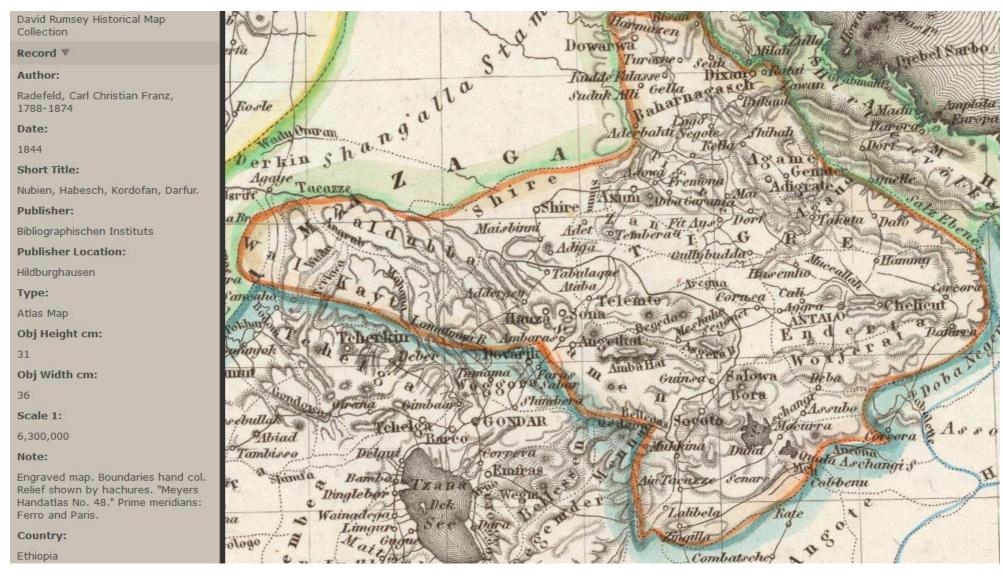
Tigre-Amhara border well to the SW of Tekeze; Walkayt undefined (part of Shangalla?)



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~2740~260025:Nubia-and-Abyssinia-

Radefeld, 1844

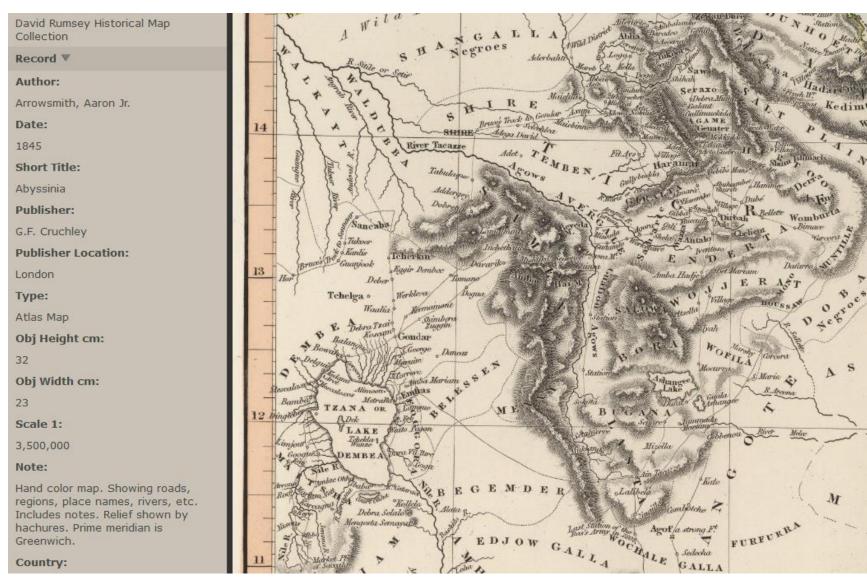
Clearly drawn boundaries; Walkayt in Tigre



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~21270~690036:Nubien,-Habesch,-Kordofan,-Darfur-

Arrowsmith, 1845

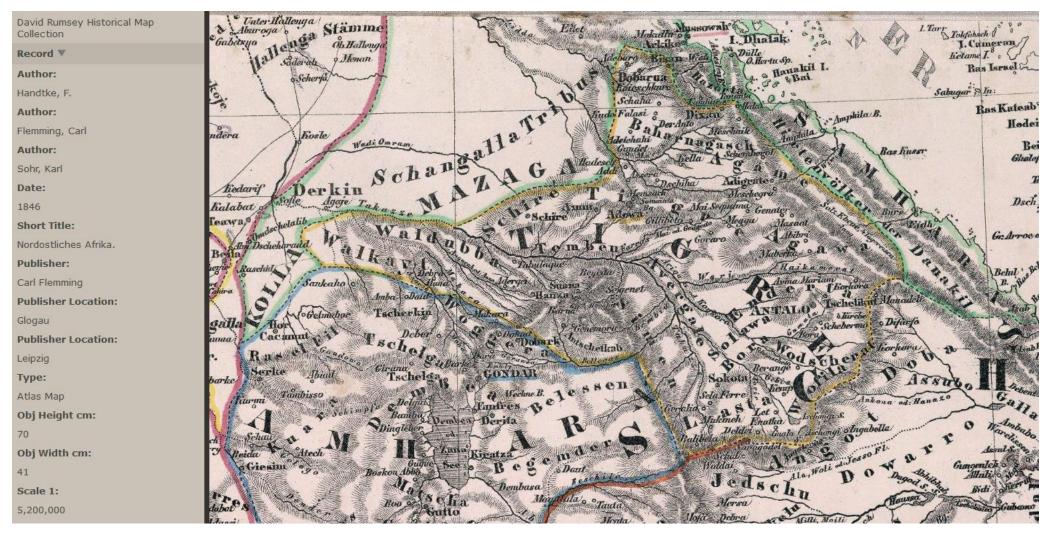
Intermediate territories (Simen, Walkayt, ...) between Tigre and Begemder. Same borders as 1844 but hierarchy in territorial control not shown



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~253458~5518898:Abyssinia

Handtke, **1846** (also 1851, 1855)

Borders Amhara-Tigre outlined; Walkayt and Simen in Tigre

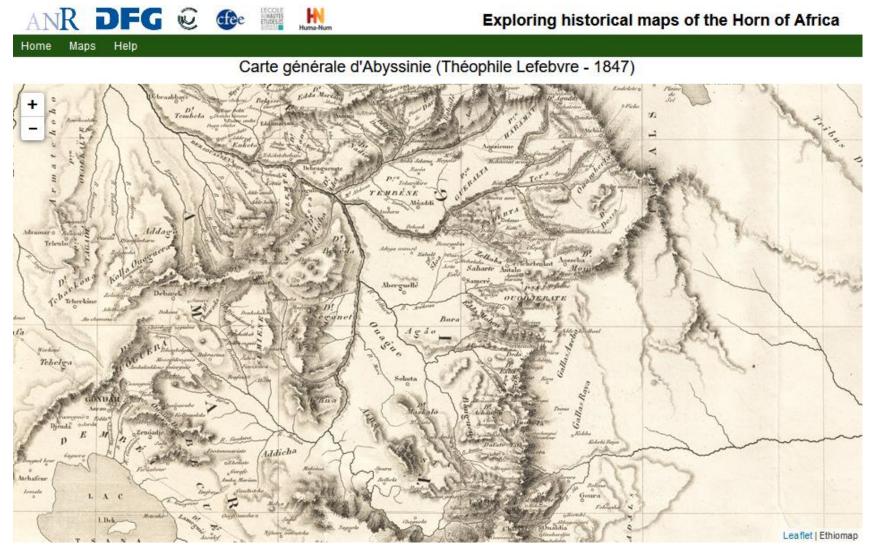


https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~304175~90074736:Nordostliches-Afrika-

https://www.digar.ee/arhiiv/nlib-digar:429790

Lefebvre, 1847

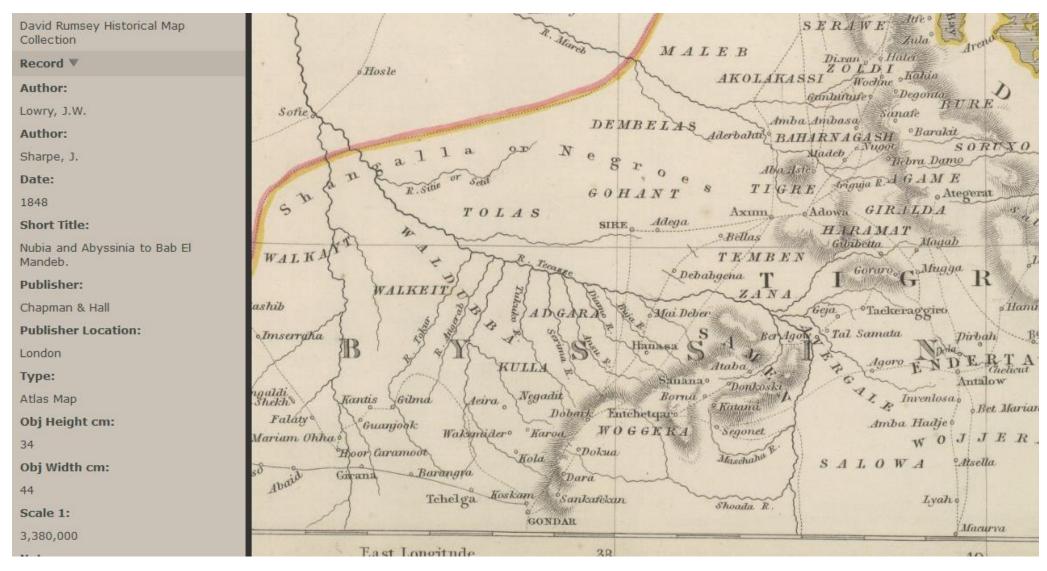
No borders drawn, position of lettering Amhara and Tigre may suggest a border on Tekezze R.



https://ethiomap.huma-num.fr/public/?id article=21

Lowry, 1848

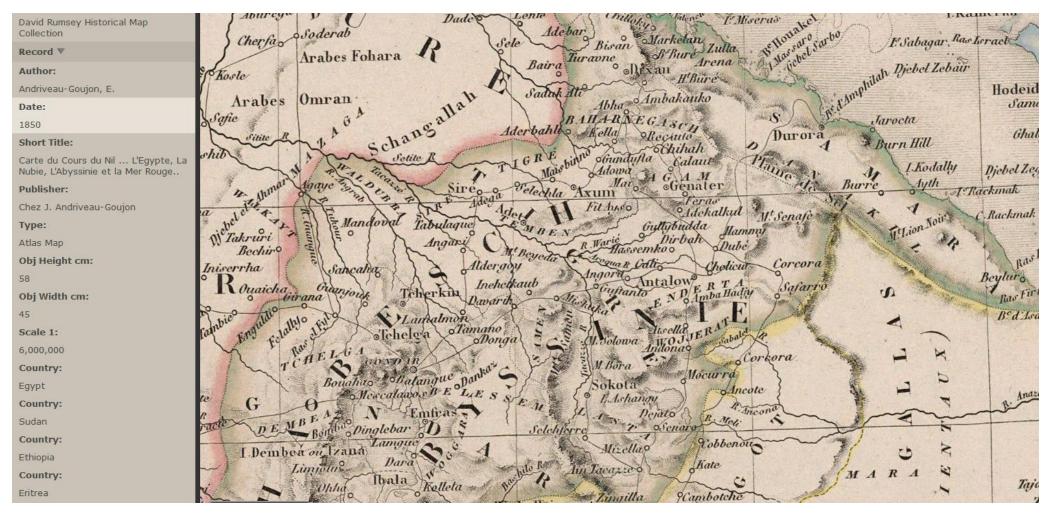
Internal boundaries not mapped



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~37507~1210498:Nubia-and-Abyssinia-to-Bab-El-Mande

Andriveau-Goujon, 1850

Habesch with Gondar and Tigre, border in thin dotted line, across Simien. Walkayt part of Mazaga.



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~283026~90055440:53--Abissinia-

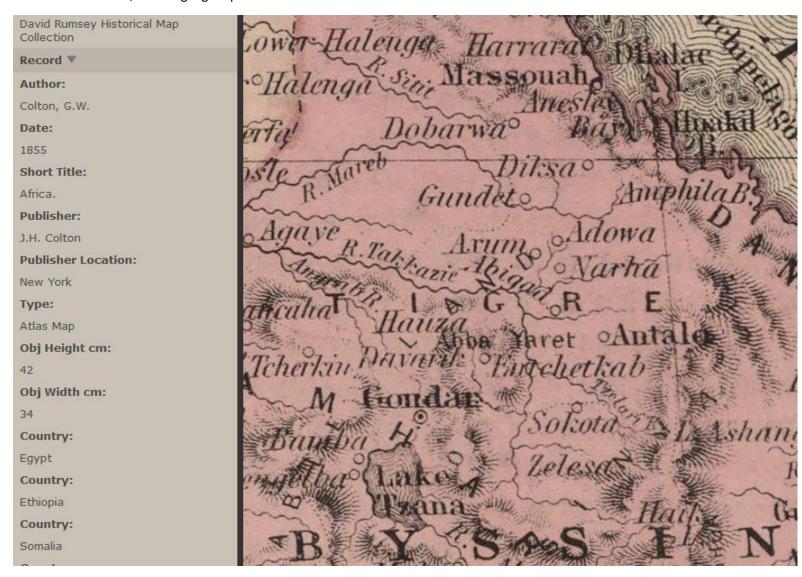
Stieler, **1851** (also 1853)

No internal borders; lettering Tigré spans both sides of Tekeze R.

David Rumsey Historical Map Collection Record ♥ Author: Stieler, Adolf Date: 1851 **Short Title:** Mittel - und Nord-Afrika. (North and Central Africa, Arabian Peninsula). Habesch (Ethiopia and Eritrea). chelicut Publisher: Justus Perthes **Publisher Location:** Gotha Type: Atlas Map Obj Height cm: Obj Width cm: Scale 1: 14,200,000 Note: Revision of 1846 edition. Reference: cf P6120; Espenhorst H 2.5. Country:

Colton, **1855** (very similar in 1866, 1874)

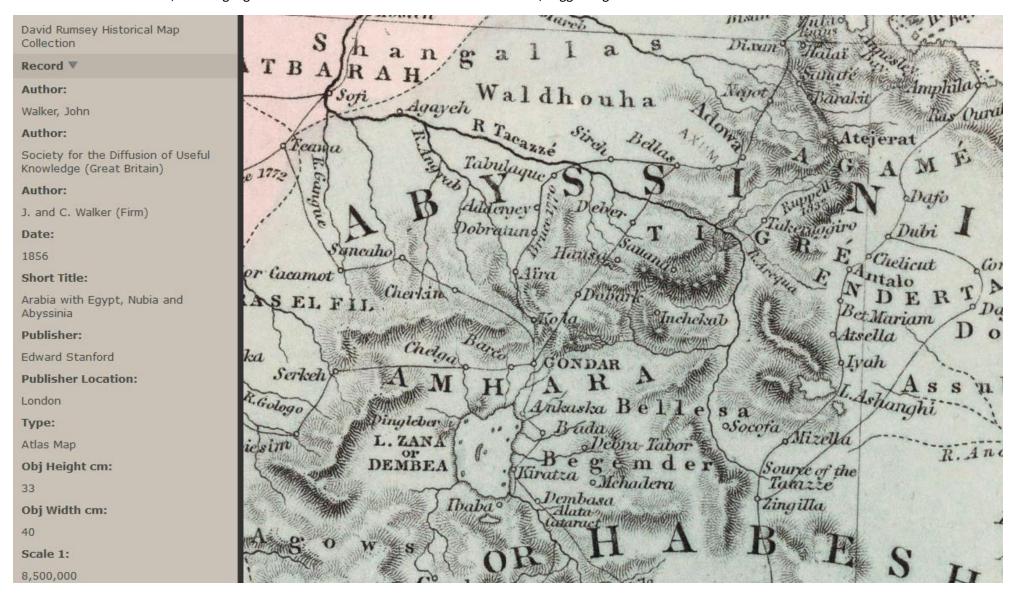
No internal borders, lettering Tigre spans both sides of Tekeze



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~308930~90078654:Africa-

Walker, 1856

No internal borders drawn; lettering Tigré across Tekeze and Amhara north of Lake Tana, suggesting a border over Simien



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~292734~90063977:Arabia-with-Egypt,-Nubia-and-Abyssi

DATASET: HISTORICAL AND ETHNO-LINGUISTIC MAPS OF WESTERN TIGRAY - 66

Marmocchi, 1858

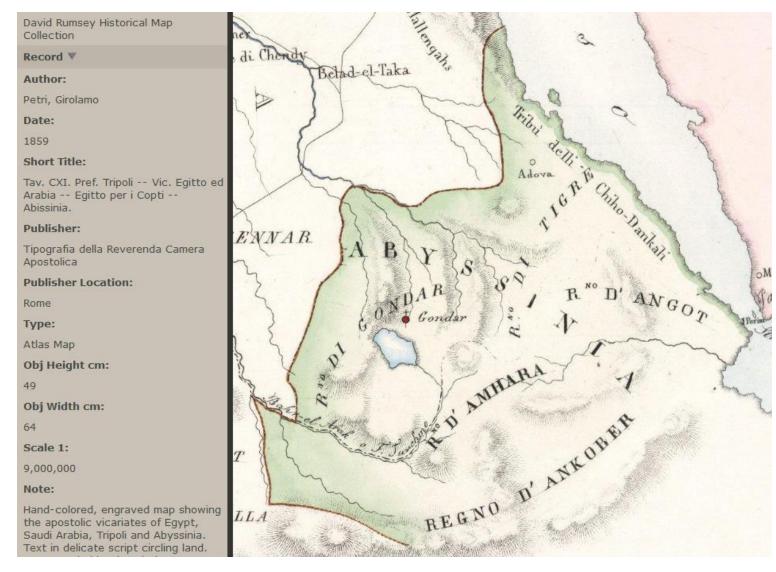
Abissinia (internal boundaries not drawn)



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~296942~90068532:4--La-Nubia-e-L-Abissinia-

Petri, 1859

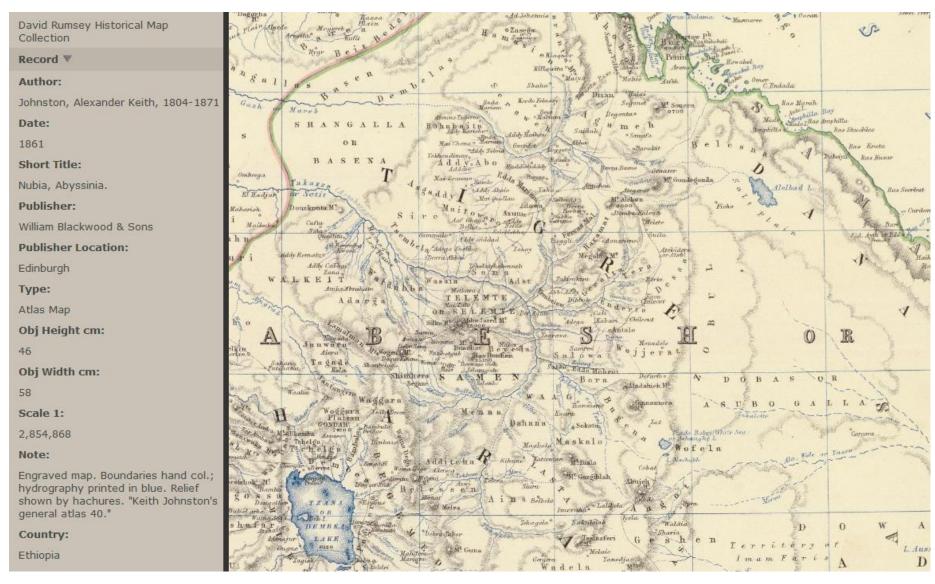
No internal boundaries



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~328696~90097202:Tav--CXI--Pref--Tripoli----Vic--Egi

Johnston, 1861

Tigre and Amhara as main subunits of Habesh; border not drawn



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~21335~620035:Nubia,-Abyssinia-

Munzinger, 1864

No internal boundaries shown. Red line is not a border but an itinerary



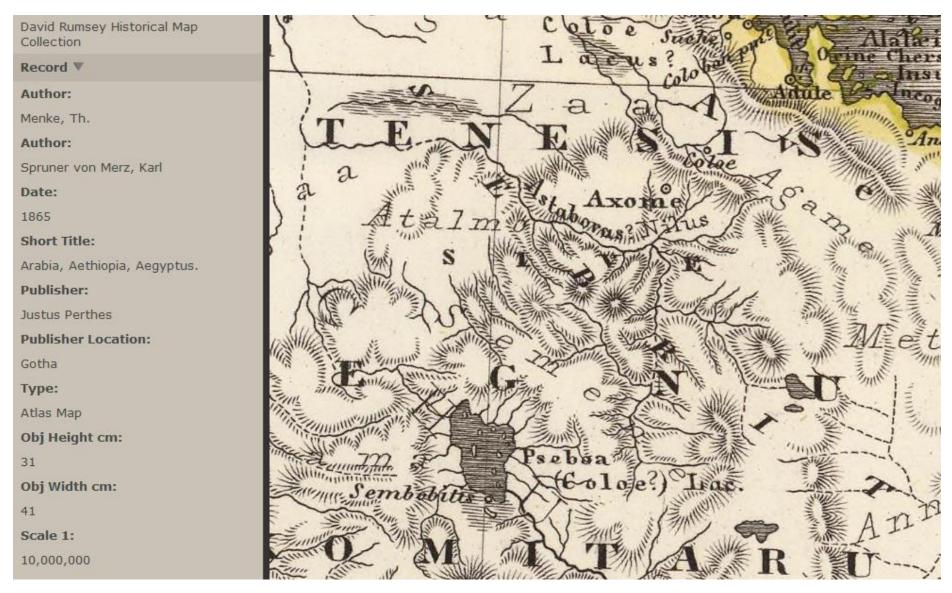
Exploring historical maps of the Horn of Africa

Originalkarte von Nord Abessinien (Werner Munzinger - 1864) Korkorra Kassona Fels Nordgrenze der Adiab Elepkantenjäger Debre Mariam K o h Addi Harischio er DIKA Rohabaita Von Wolkait unterworfen Belsiges Wwaldetes Bergland Adirbate od: B. Ala Takura (Baker) Az_Derbati Addi Daaro 6288 Addi Dahno Bokudán (Baker) od Birkuttan (d. Abbadie) ekouta (Mansf. Parkyns) Mr. Daqual Oabtiya 8250 (alabbadie)

https://ethiomap.huma-num.fr/public/?id article=42

Menke & Spruner von Merz, 1865

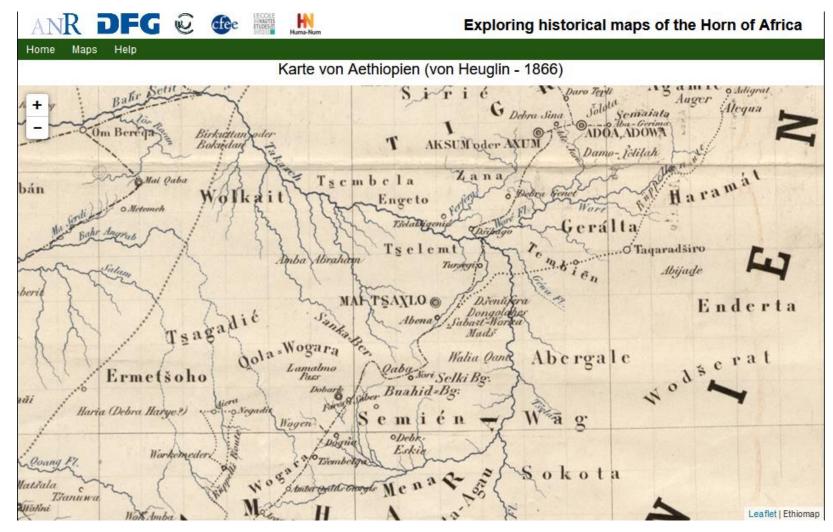
No internal boundaries



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~34744~1180357:Arabia,-Aethiopia,-Aegyptus-

Von Heuglin, 1866

No borders shown between Amhara and Tigrié. Names are clearly written with Tigrinya accents including Ermetšoho, Tselemt, Tsagadié, Mai Tsaχlo, May Qaba, Dogu'a, Qola, etc. The geographic descriptions suggest these regions have been under Tigray at the time.



https://ethiomap.huma-num.fr/public/?id article=52

D'Abbadié, 1868

Maps 2 and 3, no borders shown; Walquayt suggested as part of Tigray



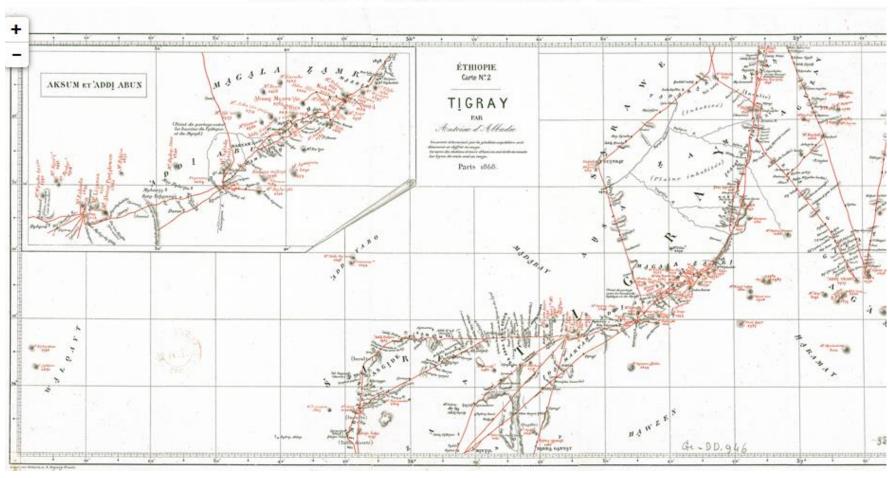






Exploring historical maps of the Horn of Africa

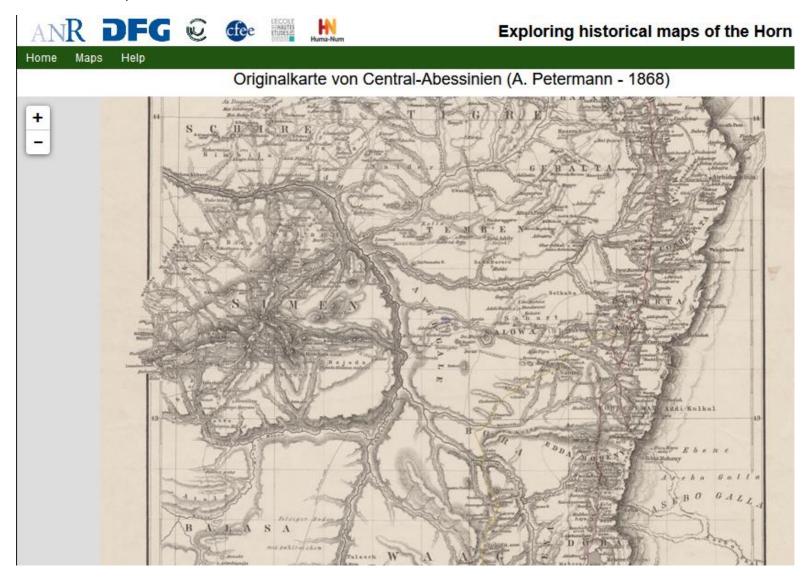
D'Abbadie n° 2 - Tigray (Antoine d'Abbadie - 1868)



https://ethiomap.huma-num.fr/public/?id article=12

Petermann, 1868

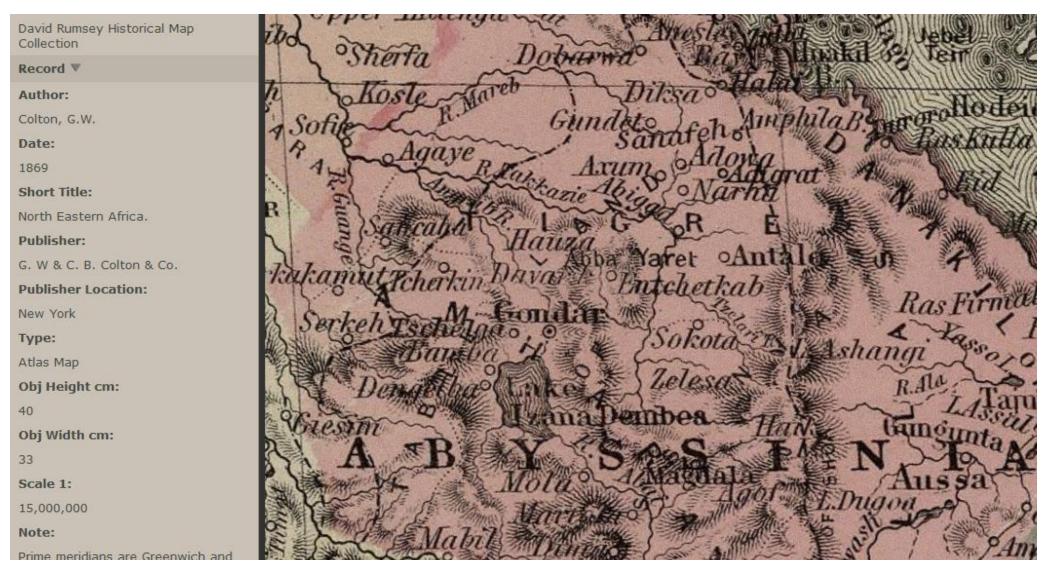
No borders shown; coloured lines are itineraries



https://ethiomap.huma-num.fr/public/?id_article=36

Colton, 1869

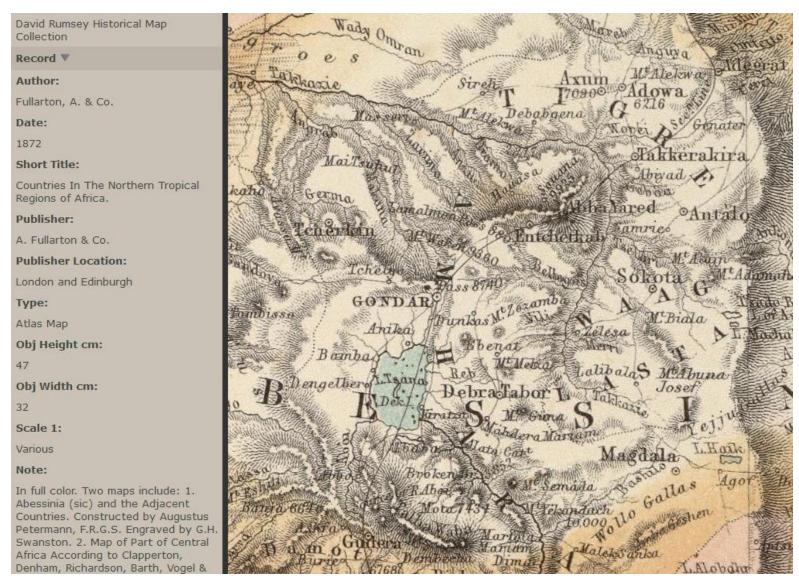
Thin dotted line as border, well south of Tekeze R.



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~209210~5004023:North-Eastern-Africa-

Fullarton, 1872

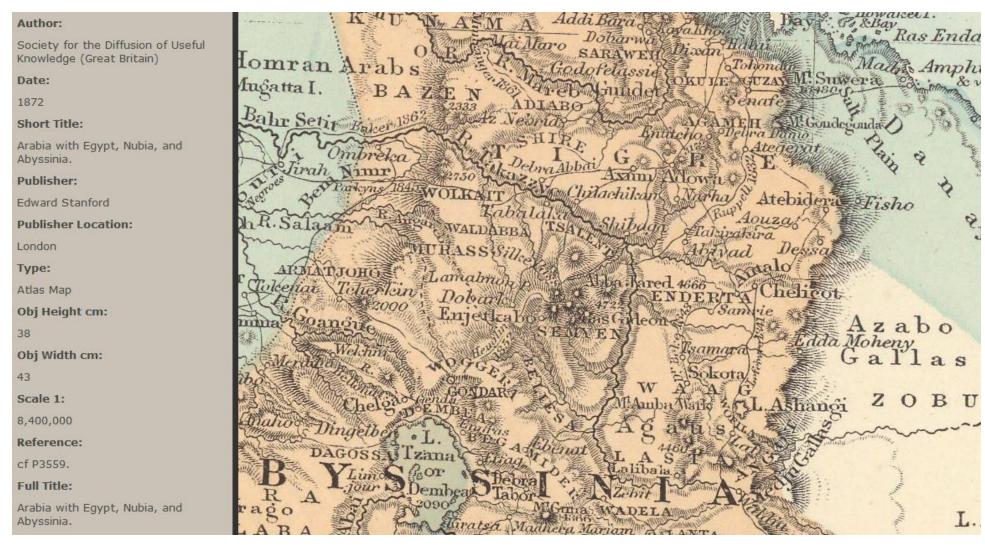
No internal borders. Letterings Tigre and Amhara both are close to Tekeze, probably indicating that it was considered the border



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~3462~400032:Countries-In-The-Northern-Tropical-

Society for the Diffusion of Useful Knowledge (GB), 1872

No internal borders drawn



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~337962~90105928:Arabia-with-Egypt,-Nubia,-and-Abyss

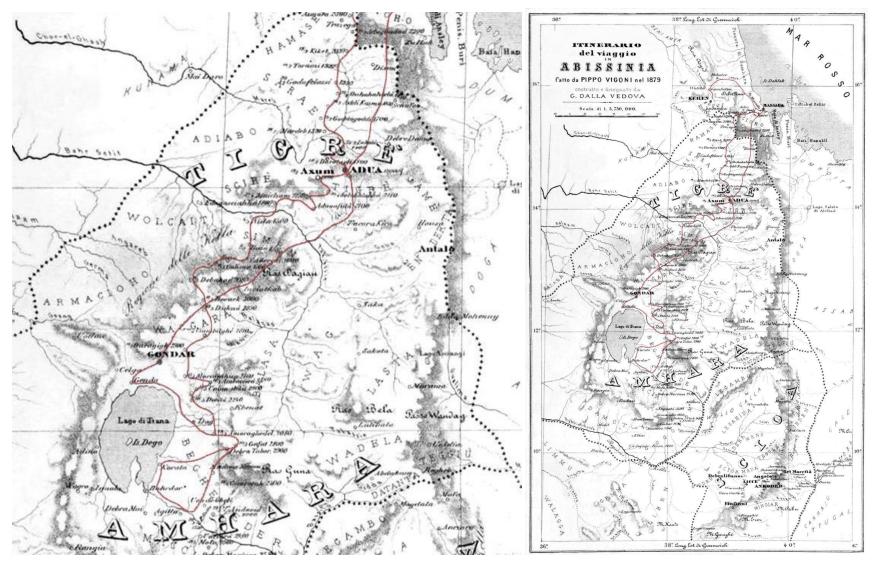
Smith & Muller, 1874

Without boundaries



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~315602~90084335:Arabia-et-Aethiopia--

Vigoni, **1879**Border Tigré-Amhara not represented. Red line is itinerary.



https://books.google.be/books?id=xVFrasFe Y0C&printsec=frontcover#v=onepage&q&f=false

Johnston, 1879

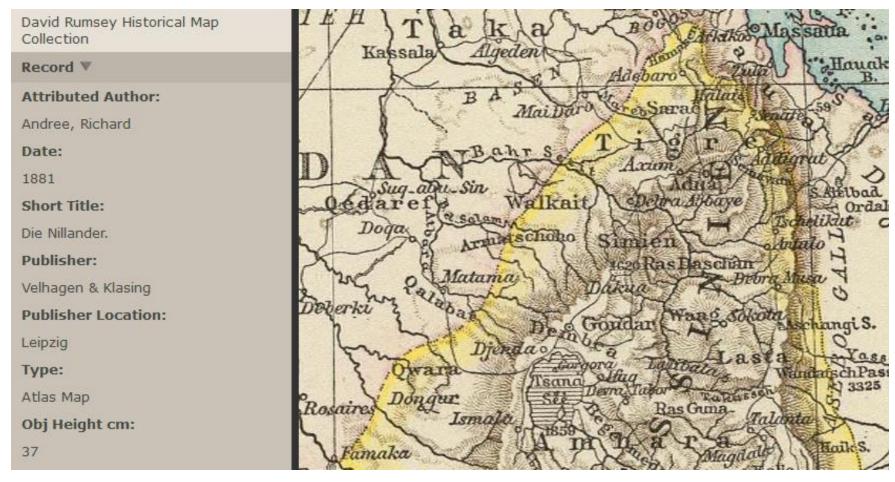
No internal boundaries

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Andree, 1881

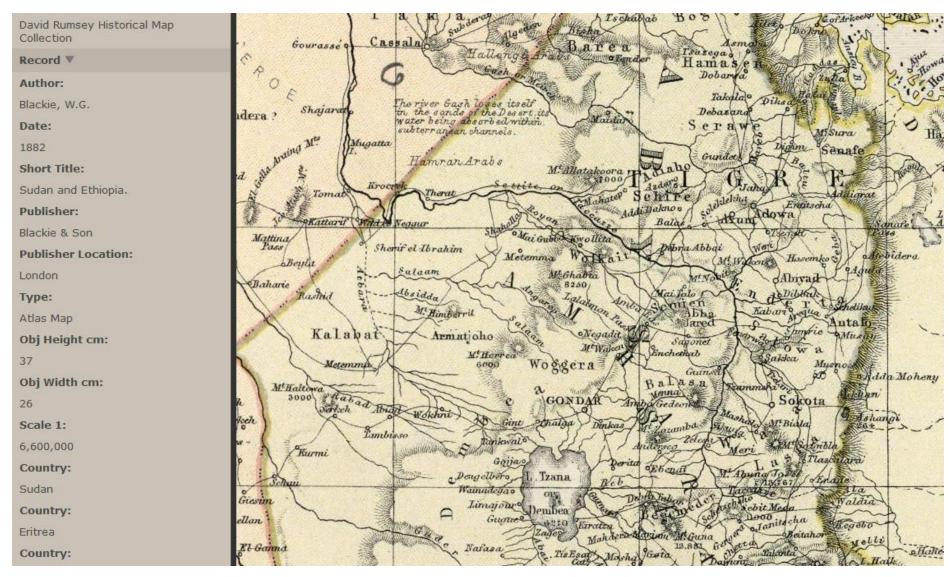
Internal boundaries not shown



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~30816~1150754:Die-Nillander-

Blackie, **1882**

Internal boundary not drawn



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~272644~90046422:Sudan-and-Ethiopia-

Letts, **1883**

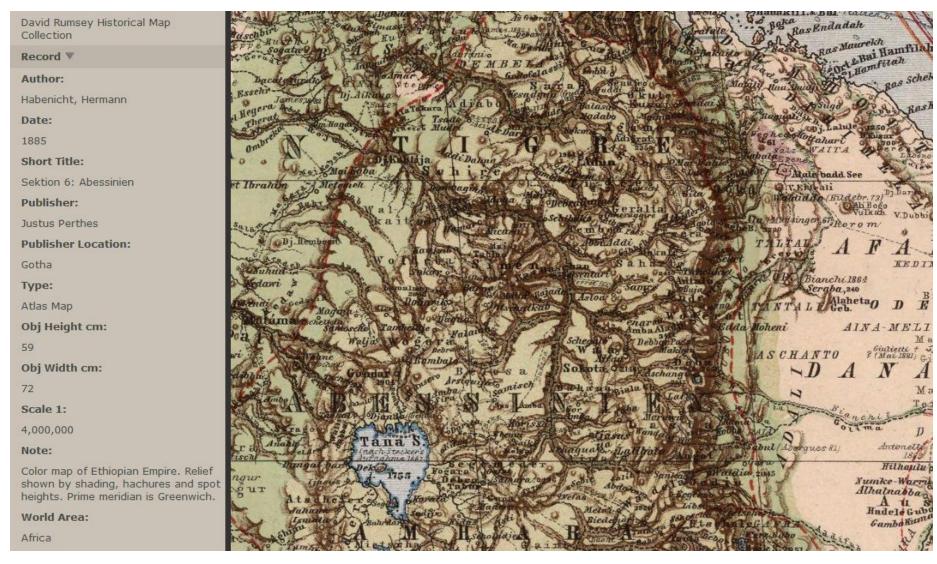
No internal borders shown

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https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~31449~1150405:Arabia,-Egypt,-Nubia,-Abyssinia-

Habenicht, 1885 (similar in 1887)

Boundary Amhara-Tigre not drawn; Italian territory not outlined

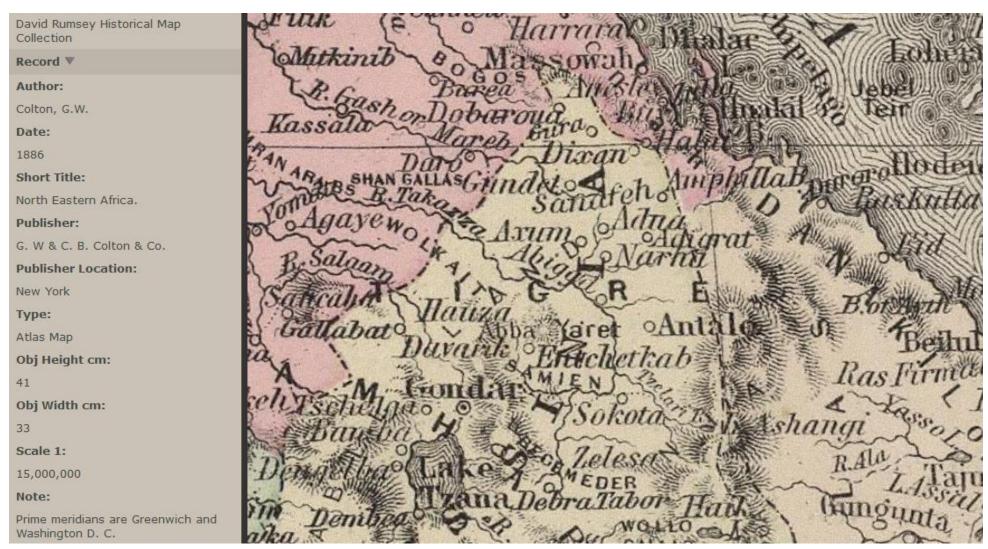


https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~317143~90086028:Sektion-6--

https://ethiomap.huma-num.fr/public/?id article=37

Colton, 1886

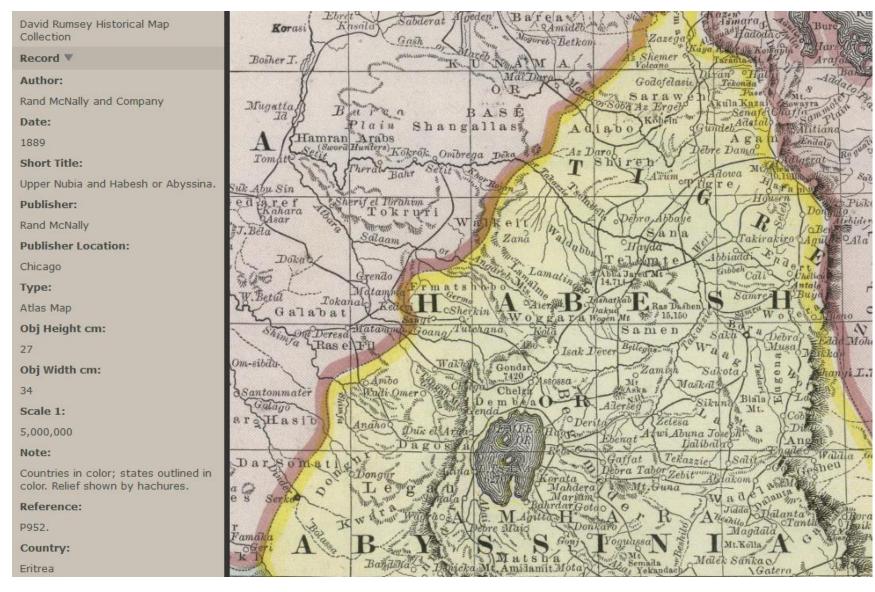
No internal boundaries drawn; most of the Tigre lettering established southwest of Tekeze; Wolkait clearly in Tigre



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~209908~5003708:North-Eastern-Africa-

Rand McNally, 1889

No internal boundary



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~37470~1210344:Upper-Nubia-and-Habesh-or-Abyssina-

Habenicht, 1891

Border Amhara Tigre drawn on Tekeze R. in red colour.





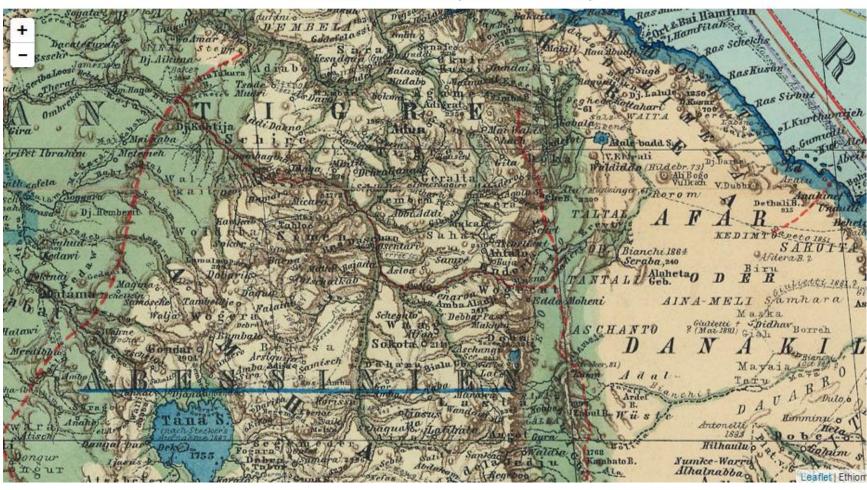




Exploring historical maps of the Horn of Africa

Maps Help

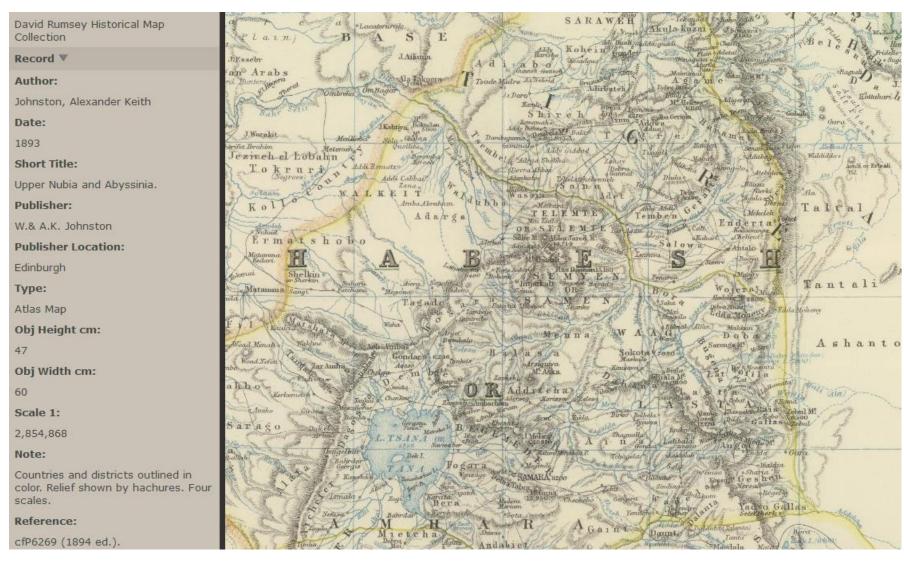
Justus Perthes' Afrika (Habenicht - 1891)



https://ethiomap.huma-num.fr/public/?id article=2

Johnston, 1893

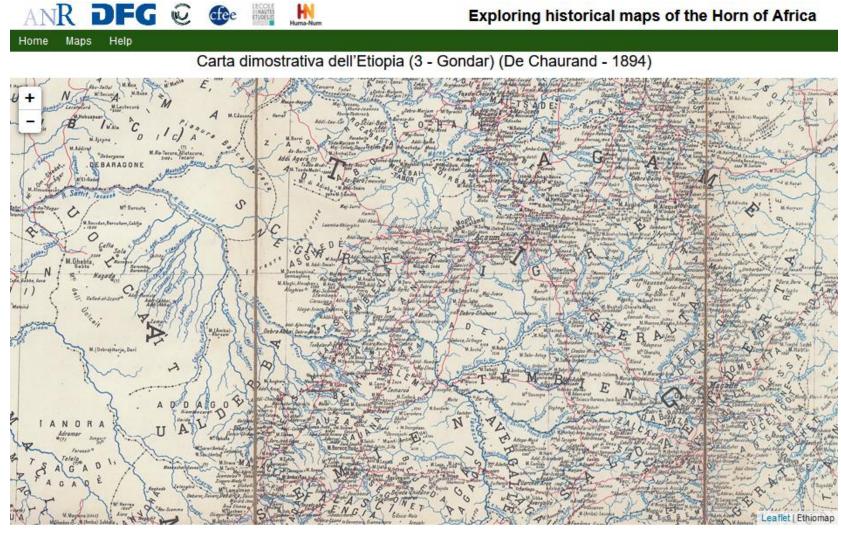
In a 50- year record of atlas maps (1861-1911), this Johnston map in one instance places the border on Tekeze



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~37991~1211004:Upper-Nubia-and-Abyssinia-

De Chaurand, 1894

Internal border Amara-Tigre drawn on Tekeze (+.+.+ line); 1892 version does not display borders

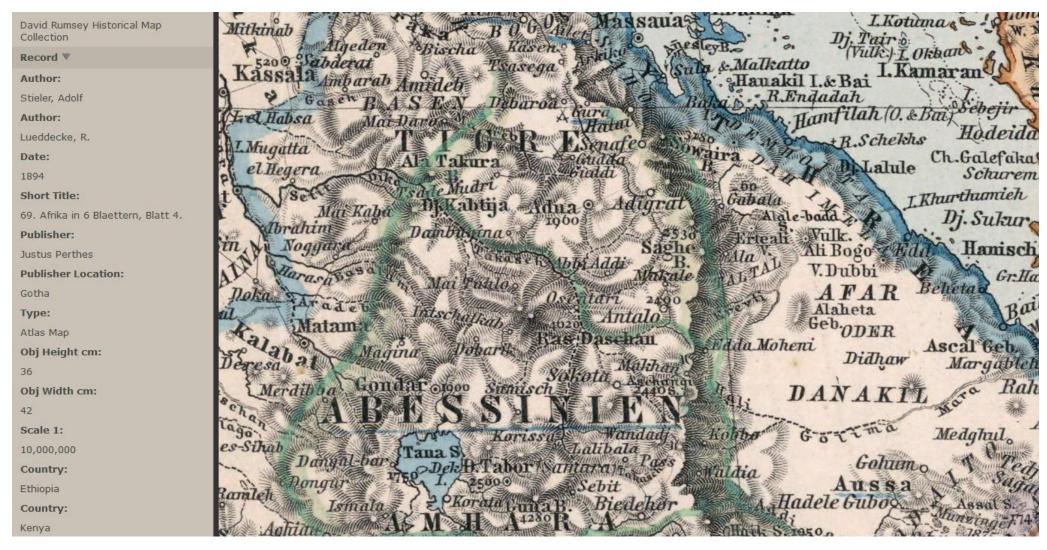


https://ethiomap.huma-num.fr/public/?id article=61 https://www.loc.gov/resource/g8330m.g2009578530/?sp=3

https://www.igmi.org/carte-antiche/digitale 300 dpi/carta-1617469319.3

Stieler & Lueddecke, 1894

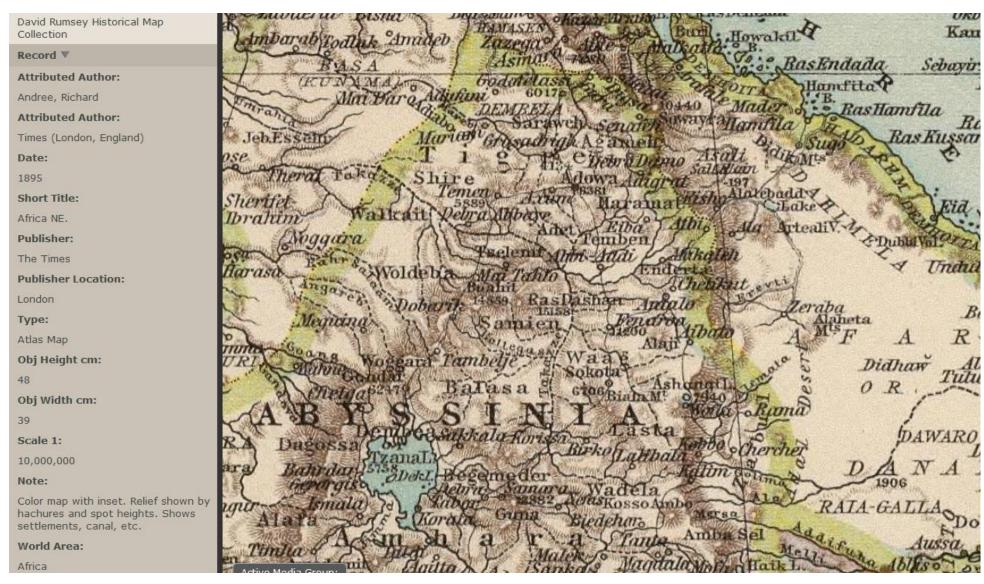
Internal border Amhara-Tigre on Tekeze R., but inconsistent. Italian territory not mapped.



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~319981~90088877:69--Afrika-in-6-Blaettern,-Blatt-4-

Andree, 1895

Tigre and Amhara as main subunits of Abyssinia; border not drawn. Italian possessions not outlined



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~30738~1150672:Africa-NE-

Brockhaus, 1895 (similar in 1905)

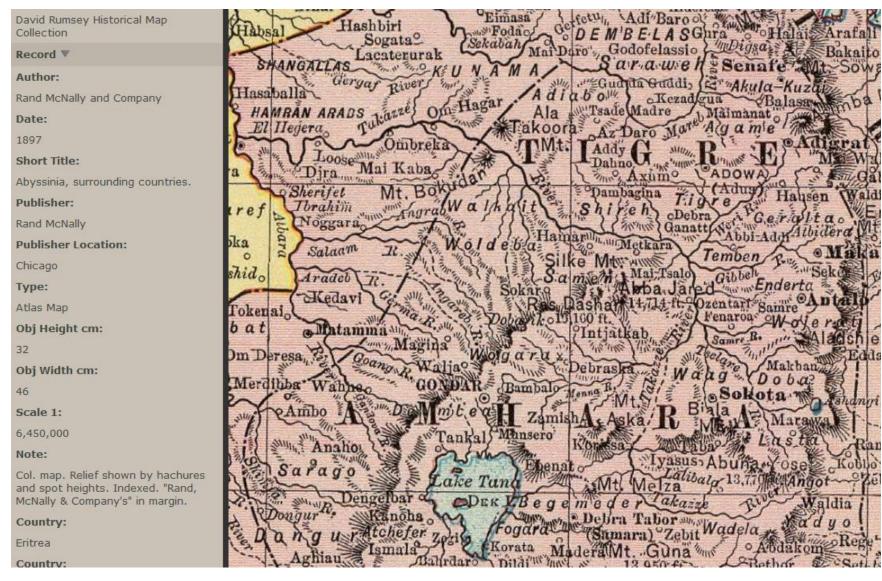
Border Amhara-Tigre drawn on Tekeze River



https://pictura-prints.com/product/antique-map-africa-arabia-eritrea-ethiopia-meyers-1895/ This map is available at many commercial sites. So far it could not be retrieved from a formal repository.

Rand McNally, 1897

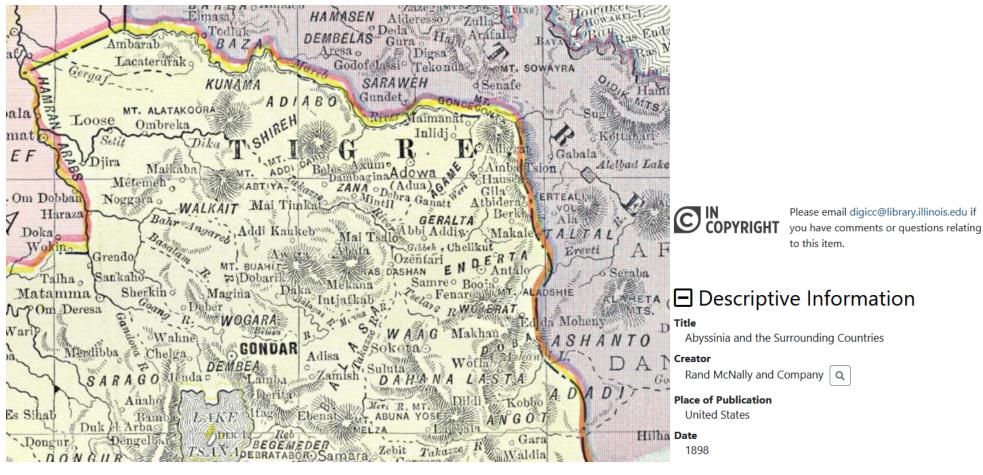
No internal borders



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~20367~550109:Abyssinia,-surrounding-countries-

Rand McNally, 1898

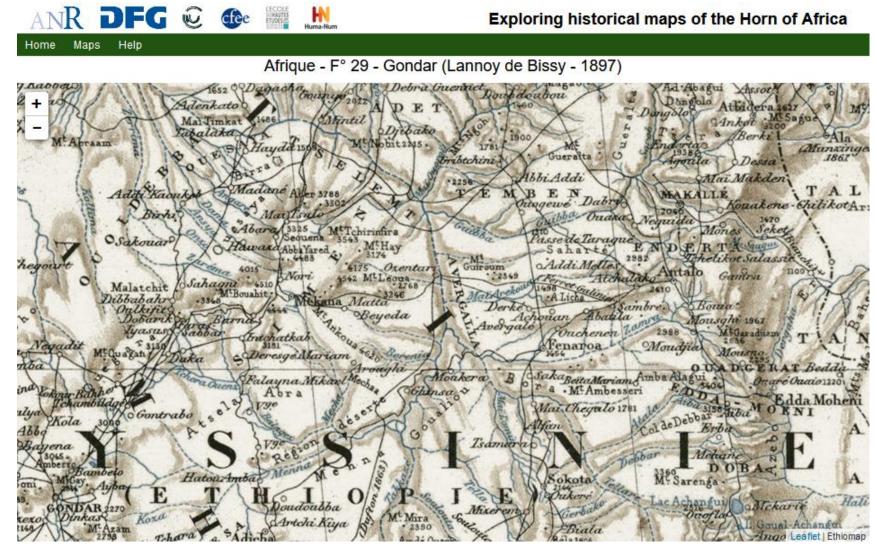
No internal boundaries shown, lettering Tigre across Tekeze River



https://digital.library.illinois.edu/items/33747e30-e946-0133-1d3d-0050569601ca-d#

Lannoy de Bissy, 1897

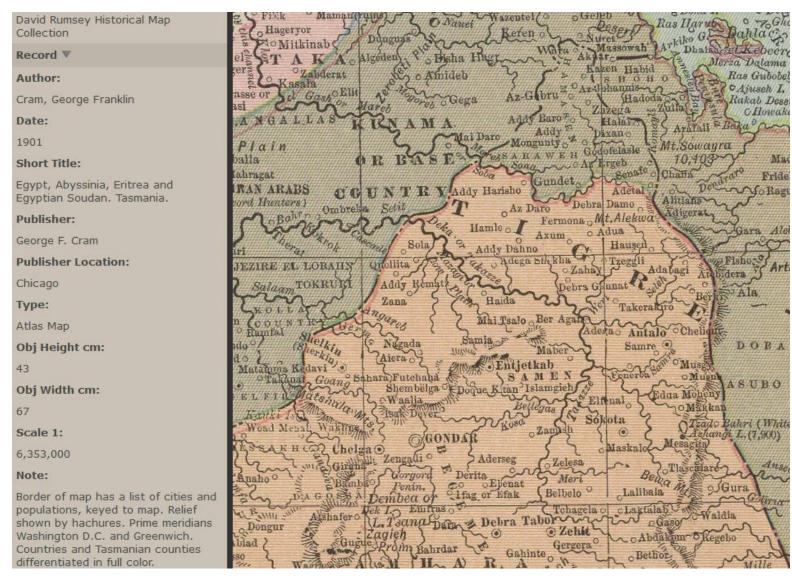
No internal boundaries; position of Tigre and Amhara lettering suggests Simien is the boundary



https://ethiomap.huma-num.fr/public/?id article=30

Cram, **1901** (similar in 1889 and 1893)

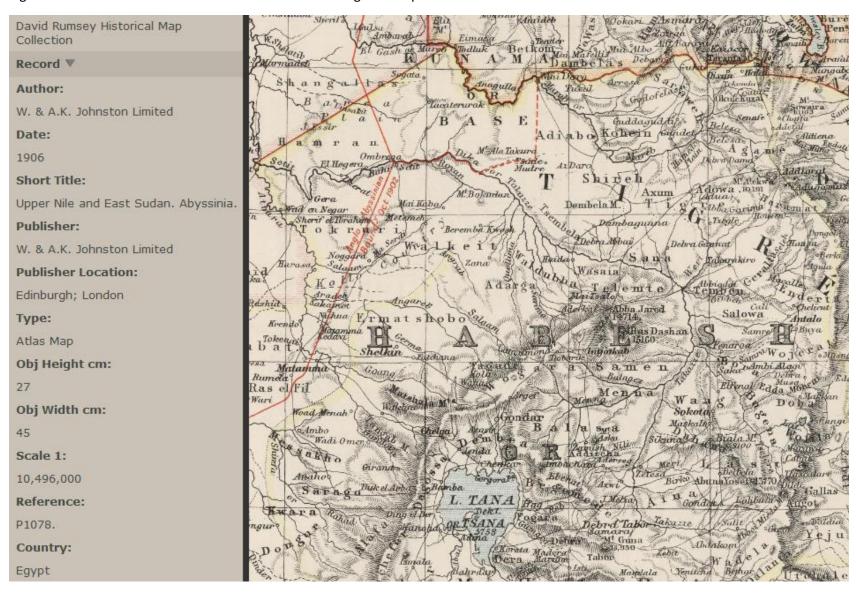
Internal borders not drawn



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~213586~5501058:Egypt,-Abyssinia,-Eritrea-and-Egypt

Johnston, 1906

Tigré-Amhara border not shown. Eritrean border according to Ethiopian claims.

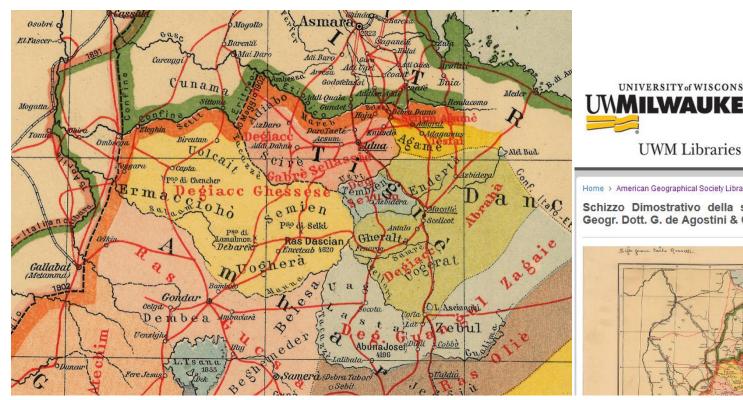


https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~238158~5511391:Upper-Nile-and-East-Sudan--Abyssini

DATASET: HISTORICAL AND ETHNO-LINGUISTIC MAPS OF WESTERN TIGRAY - 97

Rossetti, 1907

Within the map series, there is this particular moment in time where emperor Menelik has cut Tigray in half a dozen of territories, the northern part bartered to Italy and the other princedoms directly tibutary to him.





American Geographical Society Library

Home > American Geographical Society Library Digital Map Collection > Schizzo Dimostrativo della situazione politica

Schizzo Dimostrativo della situazione politica nell'Affrica Orientale / Ist Geogr. Dott. G. de Agostini & C.



https://collections.lib.uwm.edu/digital/collection/agdm/id/10634/

Guèbrè Sellassié, Tèsfa Sellassié, De Coppet, 1909

This is based on the work of Menelik's chronicler Guèbrè Sellassié. Though published in 1930, the map refers to the period of Menelik's reign, more precisely 1909. Many elements taken from Rossetti (1907). At the position of the current Western Tigray, there were districts Oualqaït, Sèmién, etc., intermediate between Tigré and Béguè-Meder.





CHRONIQUE

DU

RÈGNE DE MÉNÉLIK II ROI DES ROIS D'ÉTHIOPIE

Traduite de l'amharique
PAR
TESFA SELLASSIE

Publiée et annotée

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ANCIEN MINISTRE DE FRANCE EN ÉTHIOPIE

ATLAS

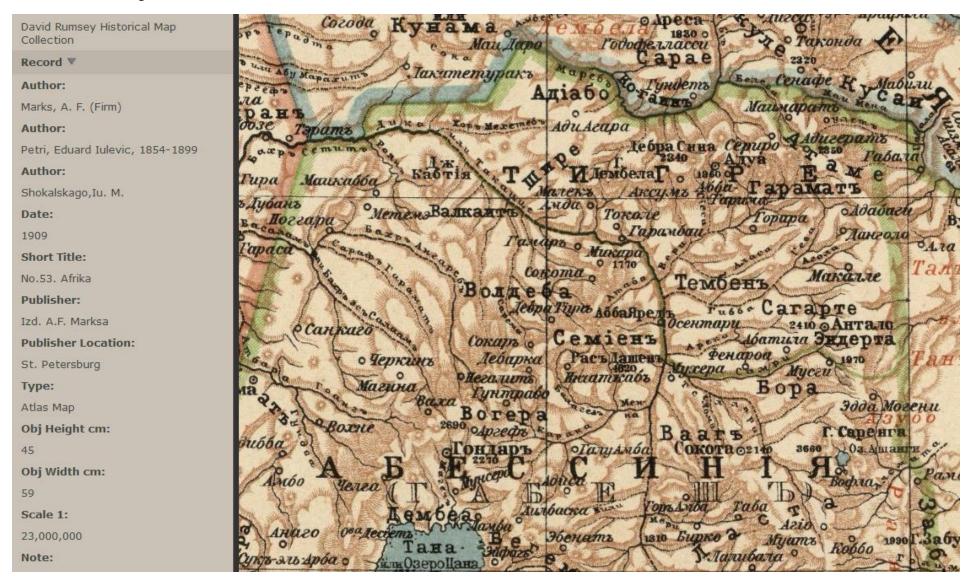


http://www.columbia.edu/cu/lweb/digital/collections/cul/texts/ldpd 10249517 000/ldpd 10249517 000.pdf

DATASET: HISTORICAL AND ETHNO-LINGUISTIC MAPS OF WESTERN TIGRAY - 99

Petri & Shokalskago, 1909

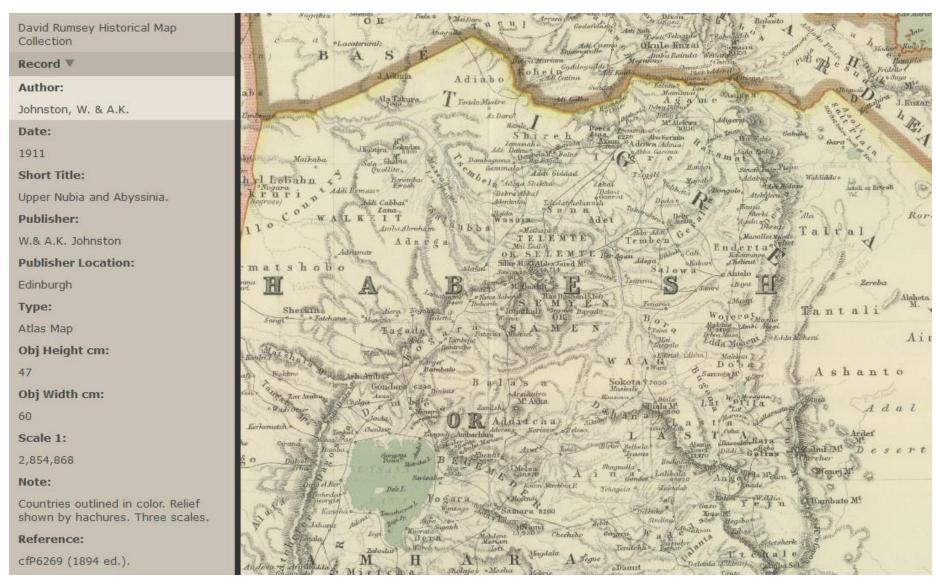
Border on Tekeze, in green colour



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~255796~5520039:No-53--Afrika

Johnston, 1911

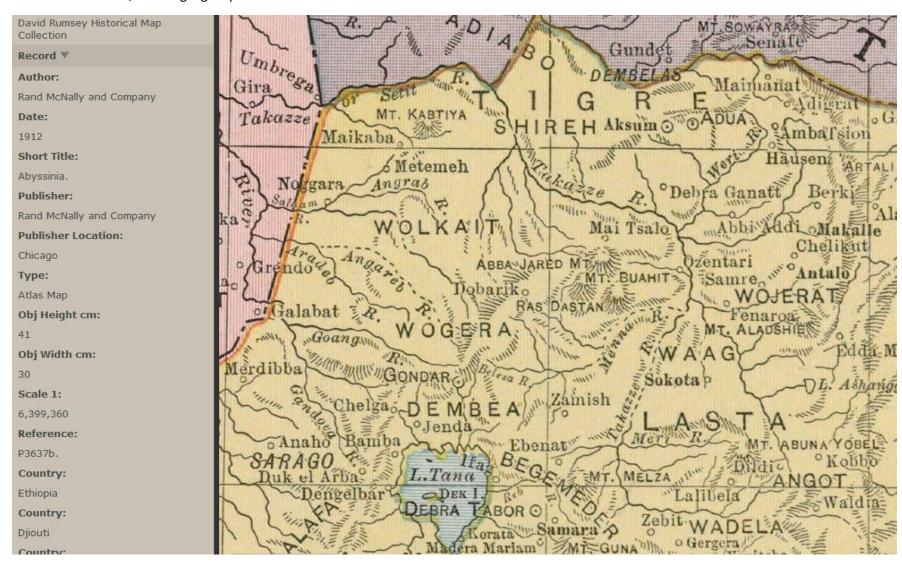
Tigré-Amhara border not shown. Eritrean border drawn according to Ethiopian claims.



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~37127~1210668:Upper-Nubia-and-Abyssinia-

Rand McNally, 1912

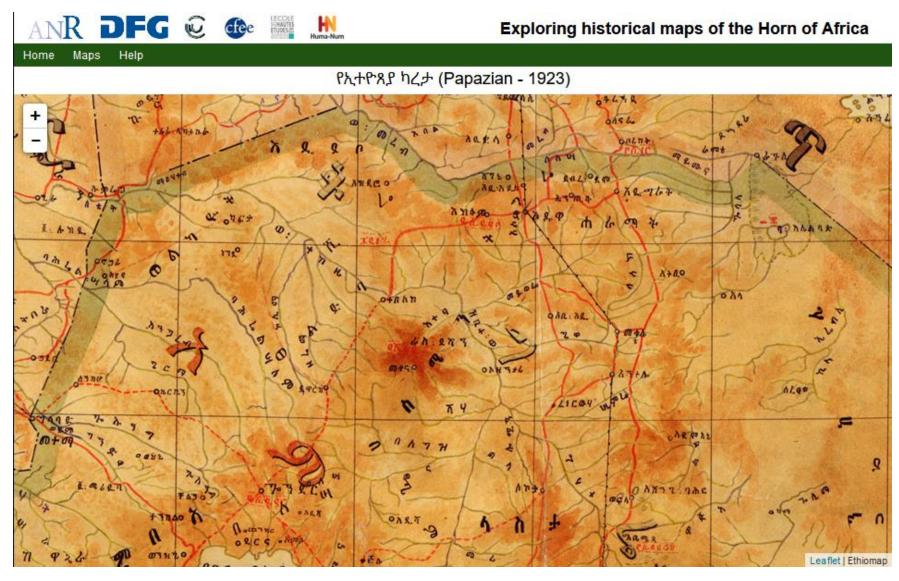
No internal borders; lettering Tigre spans across Tekeze



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~308634~90078214:Abyssinia-

Papazian, 1923

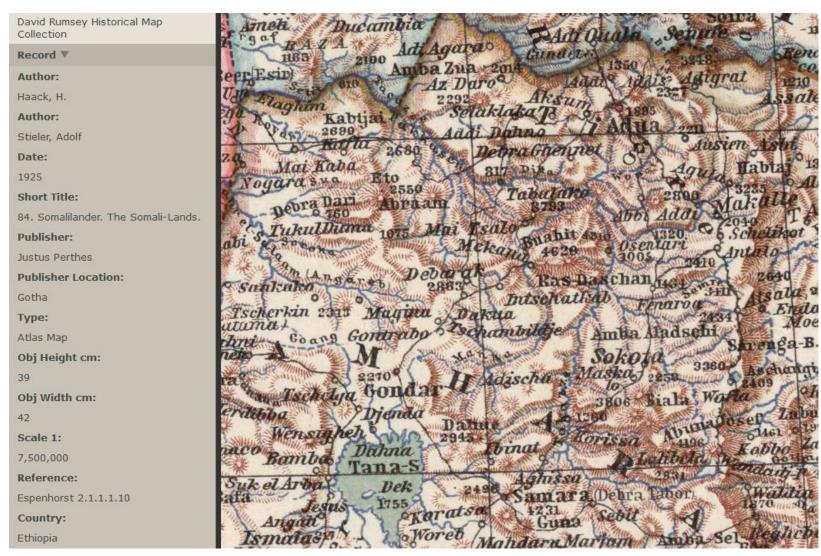
Tigre and Amhara as main subunits; border not drawn. Eritrean border according to Ethiopian claims.



https://ethiomap.huma-num.fr/public/?id_article=9

Haack & Stieler, 1925

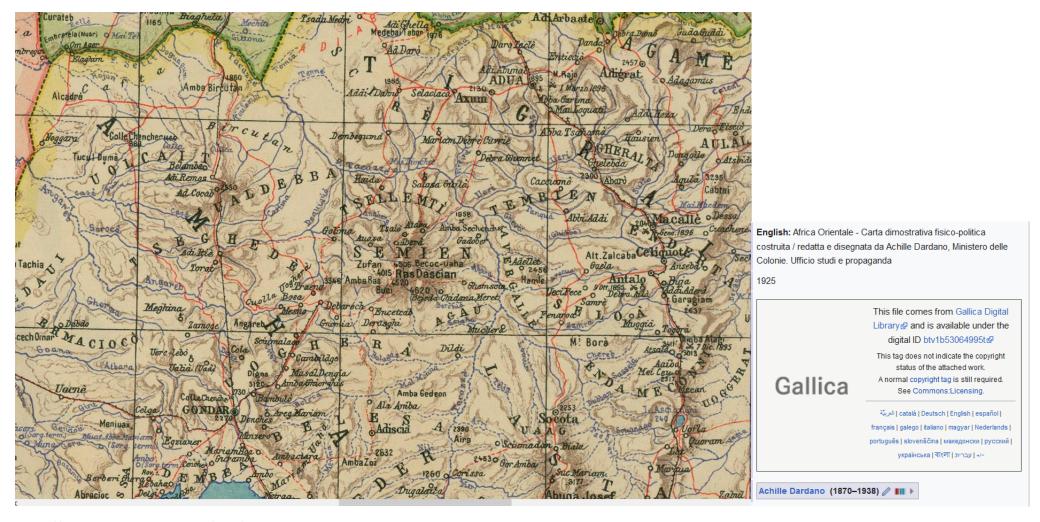
Internal border not shown; Eritrean border according to Italian claims



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~265654~90040053:84--Somalilander--The-Somali-Lands-

Dardano, 1925

No border drawn

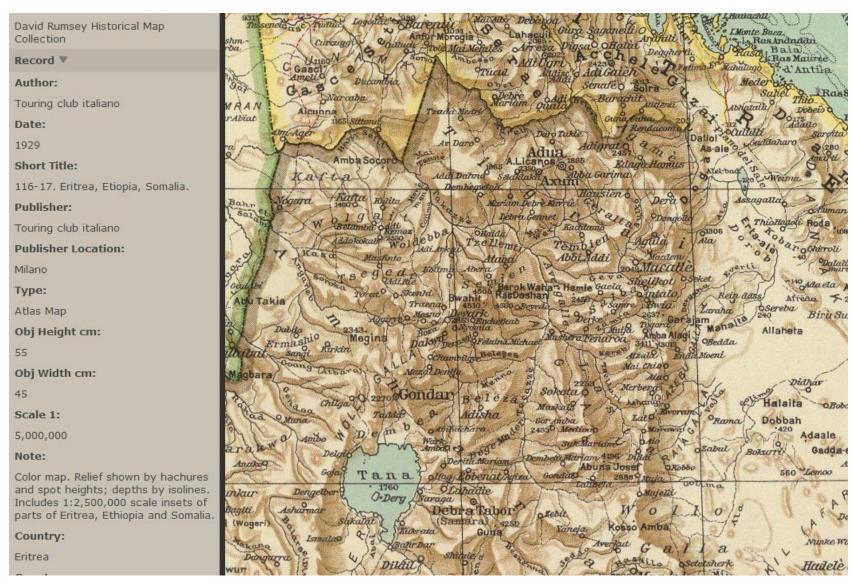


https://commons.wikimedia.org/wiki/File:1925 - Africa Orientale - Carta dimostrativa fisico-politica.jpg

https://gallica.bnf.fr/ark:/12148/btv1b53064995t

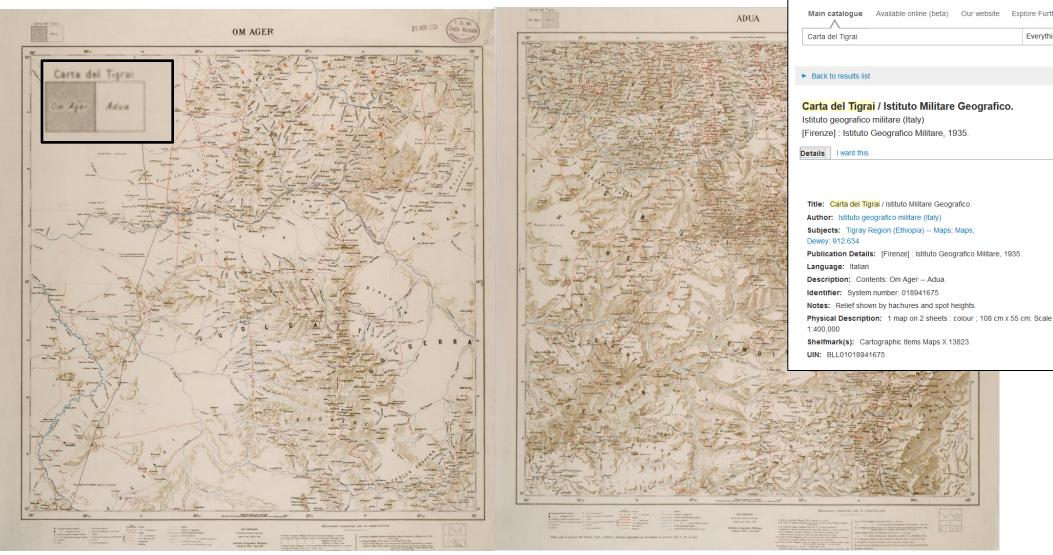
Touring Club Italiano, 1929

Tigrai and Amhara as subunits of Etiopia; border not drawn. Italian possessions outlined with border along Italian claims.



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~31884~1151211:116-17--Eritrea,-Etiopia,-Somalia-

IGMI, 1935 "Carta del Tigrai", one map on two sheets, before Italian occupation



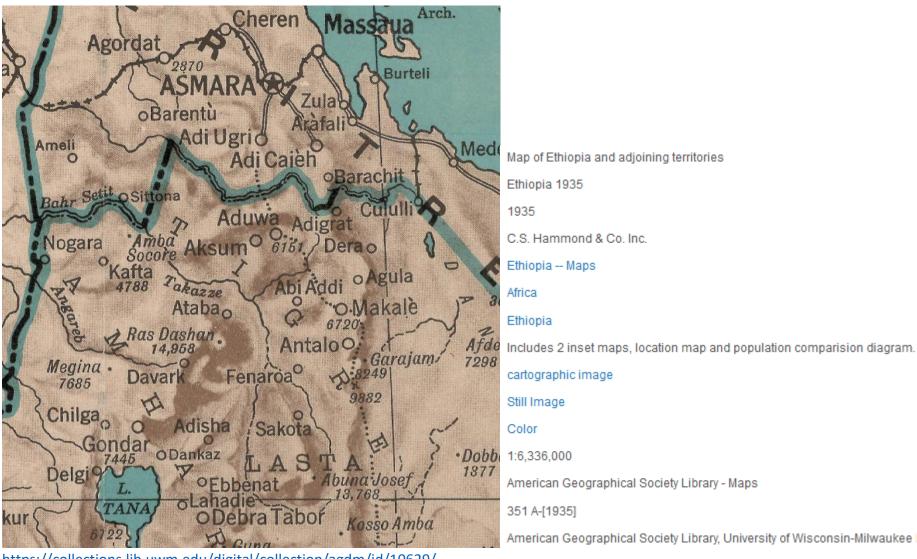
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http://explore.bl.uk/BLVU1:LSCOP-ALL:BLL01018941675; https://search.nls.uk/permalink/f/sbbkgr/44NLS ALMA21433089100004341; https://www.igmi.org/en/carte-antiche/colori a1/carta-1617469408.27 and https://www.igmi.org/en/carte-antiche/digitale 300 dpi/carta-1617469408.75

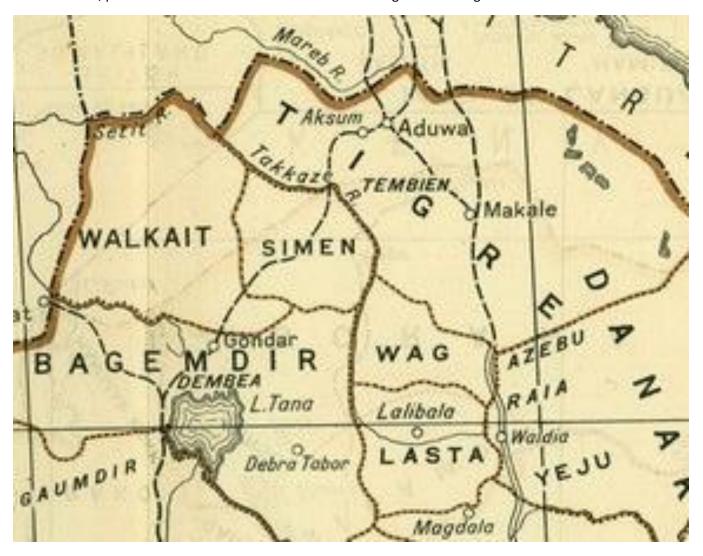
Hammond, 1935

No internal boundaries displayed



https://collections.lib.uwm.edu/digital/collection/agdm/id/10629/

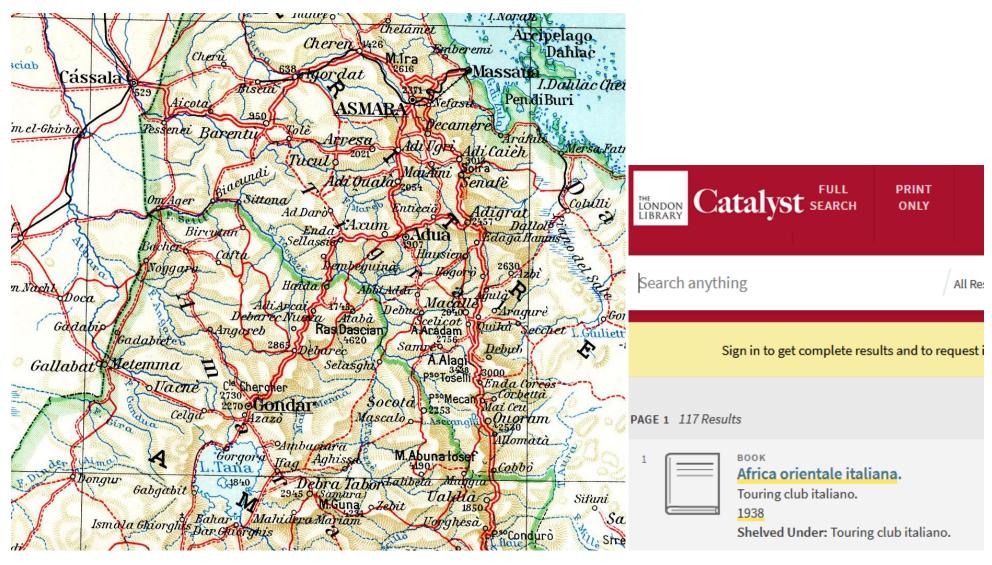
Perham, 1935
1935 situation, published in 1948. No direct border between Bagemdir and Tigre.



Perham M.F., 1948. The government of Ethiopia. Oxford: Oxford University Press, 481 p. (Own scan)

Consociazione Turistica Italiano, 1938

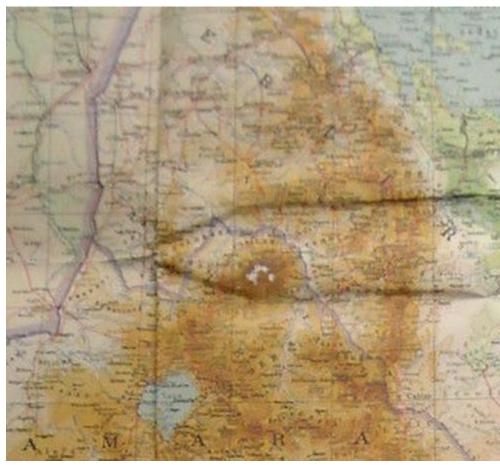
Widely published map. Administrative border clearly represented. Border between Eritrea/Tigrai and Amara follows the Tekeze River.



https://catalyst.londonlibrary.co.uk/discovery/fulldisplay?docid=alma990004461790206436&context=L&vid=44LON_INST:LondonLib&lang=en&search_scope=MyInst_and_Cl&adaptor=Local%20Search%20Engine&tab=Everything&query=any,contains,africa%20orientale%20italiana%201938&offset=0

Ministero dell'Africa Italiana, 1939

After 1938, the Italian coloniser made an administrative rearrangement. Only a map at low resolution is available online. Original to be scanned in Berlin. Disregard the brown lines of folding. Administrative border clearly represented. Welkait and surroundings mapped with Eritrea/Tigrai; Tselemti and Dima included in Amara. Compare to next page, and De Agostini, 1941.



Africa orientale Italiana : carta dimostrativa fisico-politica / Ministero Dell'/ Italiana ufficio studi servizio cartografico. Costruita, redatta e disegnata di Achille Dardano

Dardano, Achille *1870-1938*

Italia / Ministero dell'Africa Italiana / Ufficio Studi

3. ed. aggiornata al 31 dicembre 1938-XVII 1:2.000.000

Italian

Bergamo: Istituto Italiano d'Arti Grafiche, 1939

1 Kt : mehrfarb ; 95 x 112 cm

Nebent.: Carta fisico politica dell' Africa orientale Italiana

Kart. C 6510<3>

Unter den Linden - Requesting/Consulting in the Maps Reading Room contact

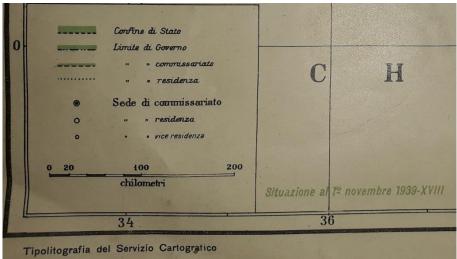
https://stabikat.de/DB=1/LNG=EN/CLK?IKT=12&TRM=392452332

 $\underline{https://le-mie-topografie.it/A/africa-colonie-somalia-italiana-somalia-britannica-eritrea-arabia-sudan-etiopia}$

Ministero dell'Africa Italiana, 1940

Administrative borders clearly represented. Welkait and surroundings (the hexagone north of Lake Tana) mapped with Eritrea/Tigrai; Addi Arcai district, including the current Tselemti and Dima woredas, is included in "Amara". Boundaries as of November 1939, published in 1940.





Libreria: Libreria Grandangolo di Salvarani Paolo e c. sas (Italia)

Soggetti: Storia e politica – colonie – Geografia viaggi esplorazioni – Prodotti

Peso di spedizione: 1.000 g

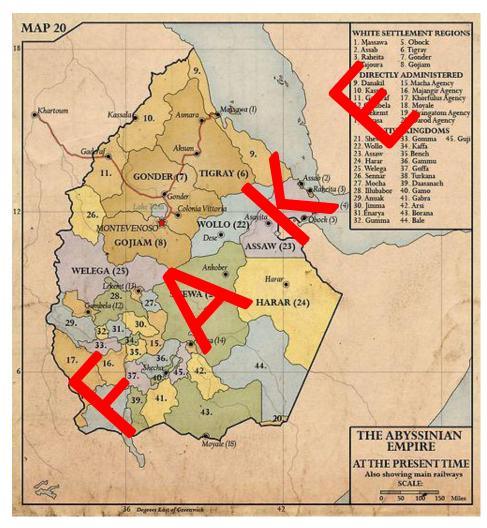
Note Bibliografiche

Carta geografica, CIRCOSCRIZIONI AMMINISTRATIVE Dell'Africa orientale Italiana N 743 – 1940–XVIII Tipolitografia del Servizio Cartografico,1940, cm 64x56, grande carta geografica ripiegata, legenda al margine inferiore. Condizioni di conservazione Esemplare in discrete condizioni con tracce d'uso, normali pieghe con alcuni strappi restaurati (vedi foto), angoli con pieghette e angolo sup destro mancante, margini con piccoli strappetti e qualche macchietta, per le condizioni vedi foto. Ministero dell'Africa Italiana ufficio studi servizio Cartografico SC03.D14963F blu

https://www.maremagnum.com/libri-antichi/grande-carta-circoscrizioni-amministrative-africa-orientale/163503214

Thomasten, ca. 1940 – fake map

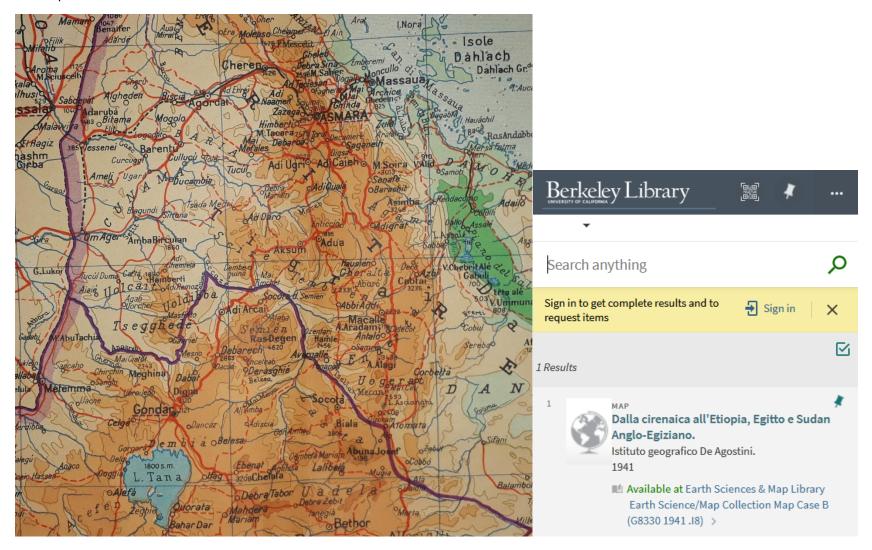
Not used in meta-analysis.



This map is often posted on social media as evidence that the Gonder-Tigray border has been on Tekeze since the time of the Abyssinian empire. The map shows numerous flaws. See non-existent "white settlement regions", "Montevenoso", "Colonia Vittoria", railways and encroachment onto Sudan and Djibouti. The map is fake; it was created in 2009. Source is Ed Thomasten, a believer of Alternate History: https://www.deviantart.com/edthomasten/art/Empire-of-Abyssinia-c-1940-145811981. Colleagues fake mappers discuss the creation here: https://www.deviantart.com/edthomasten/art/Empire-of-Abyssinia-c-1940-145811981.

De Agostini, 1941

Administrative border clearly represented. "Uolcait" and surroundings mapped with Eritrea/Tigrai; just east of it, Tselemti and Dima are mapped with the then Italian Amara province



https://search.library.berkeley.edu/discovery/fulldisplay?docid=alma991024063599706532&context=L&vid=01UCS_BER:UCB&lang=en&search_scope=MyInstitution&adap_tor=Local%20Search%20Engine&tab=Everything&query=any,contains,39146267&offset=0

De Agostini, 1952

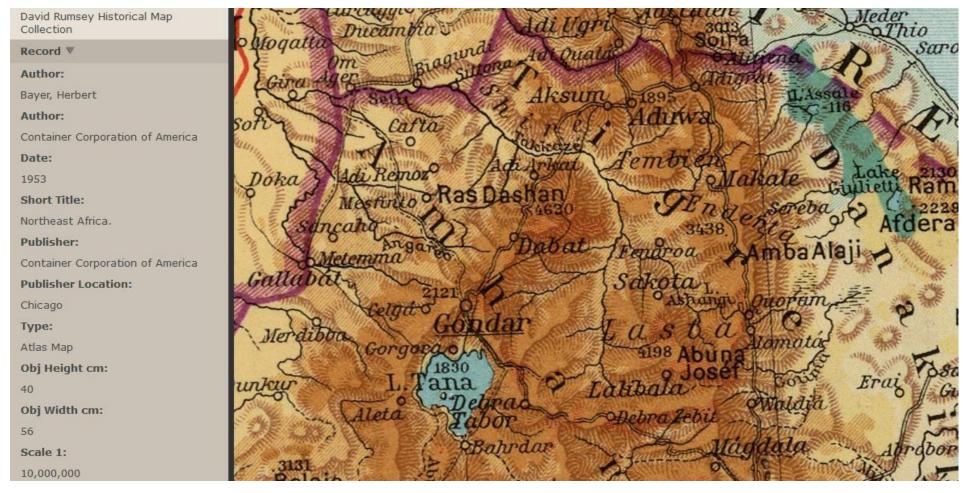
Border on Tacazze.

David Rumsey Historical Map Collection	Adi Harri Adi Caich Mersa Fatm
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Instituto Geographico di Agostini	Estacation
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Bayer, **1953**

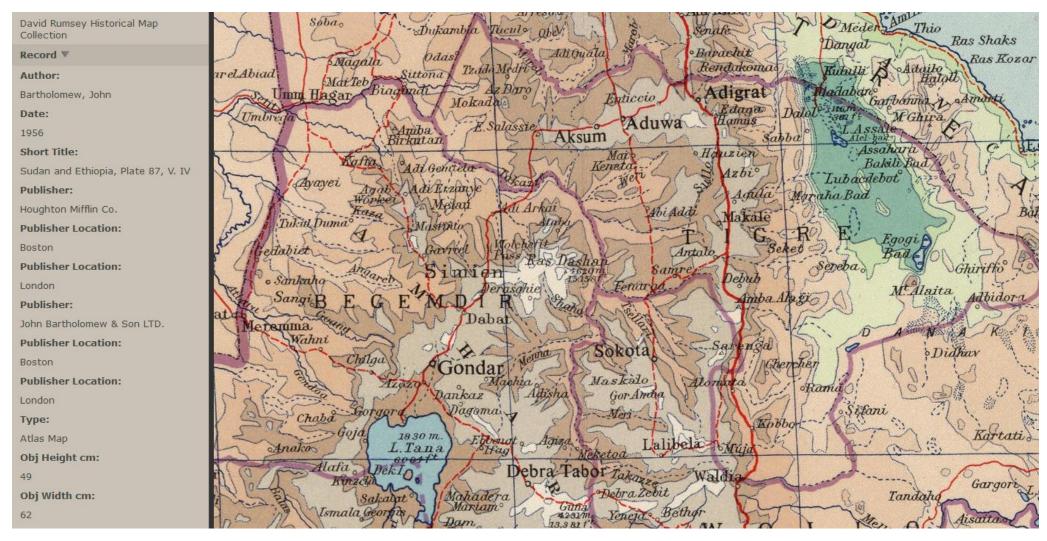
Internal borders not drawn



https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~218067~5504025:Northeast-Africa-

Bartholomew, 1956

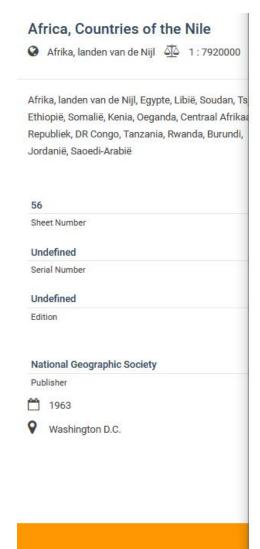
Border on Takazze; Kobbo and Muja included in Tigre

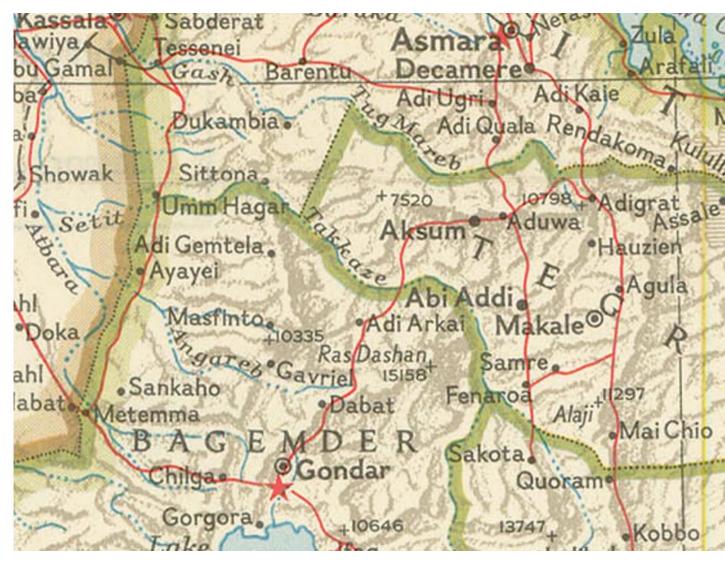


https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~225488~5506192:Sudan-and-Ethiopia,-Plate-87,-V--IV

National Geographic Society, 1963

Border Bagemder/Tegre on Takkaze

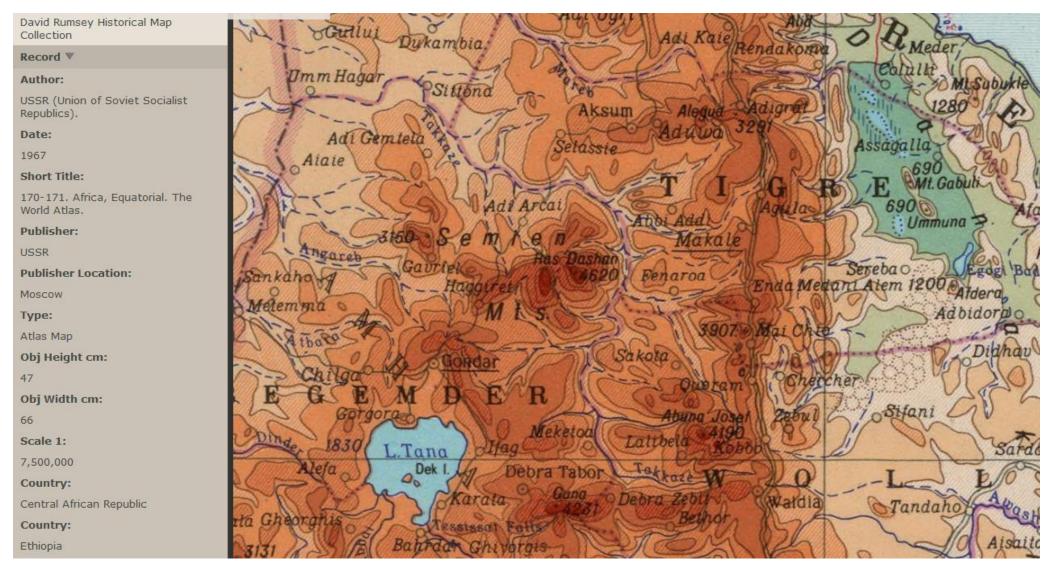




https://www.atlas.ugent.be/items/5071

USSR, 1967

Border Begemder/Tigre on Tekeze

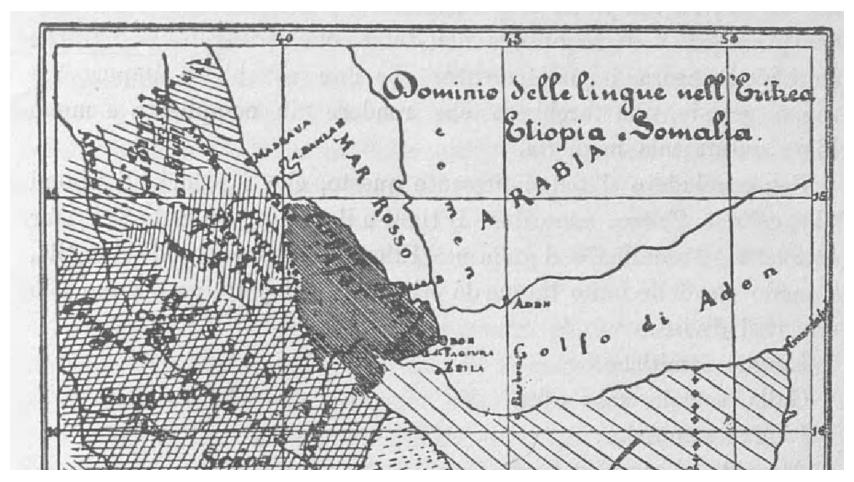


https://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~208346~3001988:170-171--Africa,-Equatorial--The-Wo

ETHNO-LINGUISTIC MAPS

Wolynski, 1903: Dominio delle lingue nell'Eritrea, nell'Ethiopia e nella Somalia

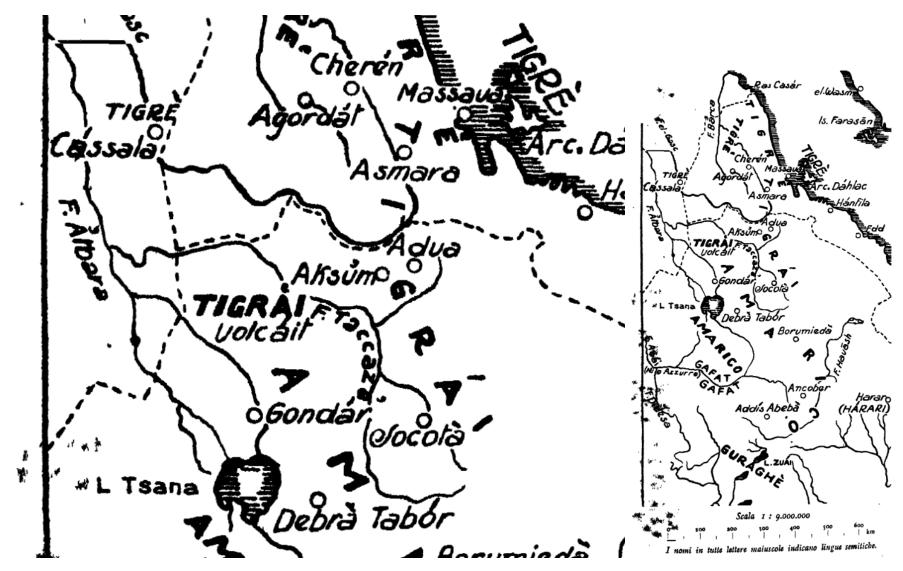
"Tigrigna" (pattern with vertical lines) spans across Tekeze River.



Wolynski, D., 1903. Glottologia coloniale. Lingue e dialetti parlati nell'Eritrea, nell'Ethiopia e nella Somalia. L'Italia Coloniale, 4 (1): 1-18. http://sebinaol.unior.it/sebina/repository/catalogazione/documenti/Wolinski Glottologia%20coloniale%20(84531).pdf

Conti Rossini, 1921: Lingue semitiche d'Etiopia

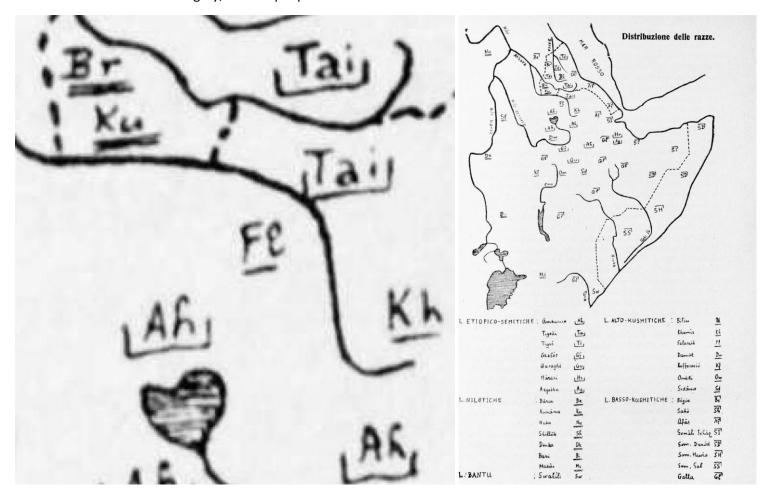
Names in bold capital letters indicate extent of Semitic languages in Ethiopia. Tigrai language stretches west from Tekeze River up to the Sudanese border, including Uolcait.



Conti Rossini, C., 1921. Le lingue e letterature semitiche d'Etiopia. Oriente Moderno, 1: 169-176. https://archive.org/details/in.ernet.dli.2015.318622

Ducati, 1931. Distribuzione delle razze

No information on Western Tigray; Falasha people in Simien Mts.



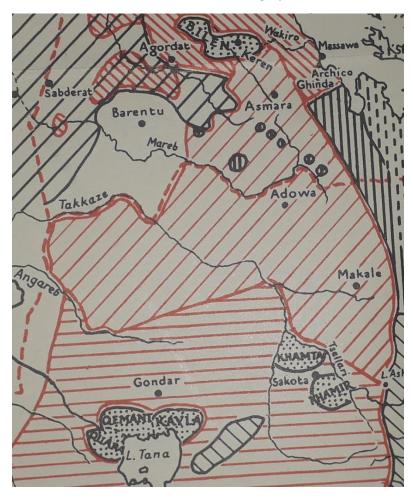
Quite generalised map; from north to south, the Mereb River, the Eritrean border, the Tekeze River and Lake Tana may be used as reference.

Ah = Amharico; Tai = Tigrai; Br = Baria; Ku = Kunama; Fl = Falascia; Kh = Khamir

Ducati, B., 1931. Stirpi camitiche e idiomi dell'Africa italiana. Rivista delle colonie italiane, V: 767-782.

Bryan, 1948. Map of Semitic and Cushitic languages.

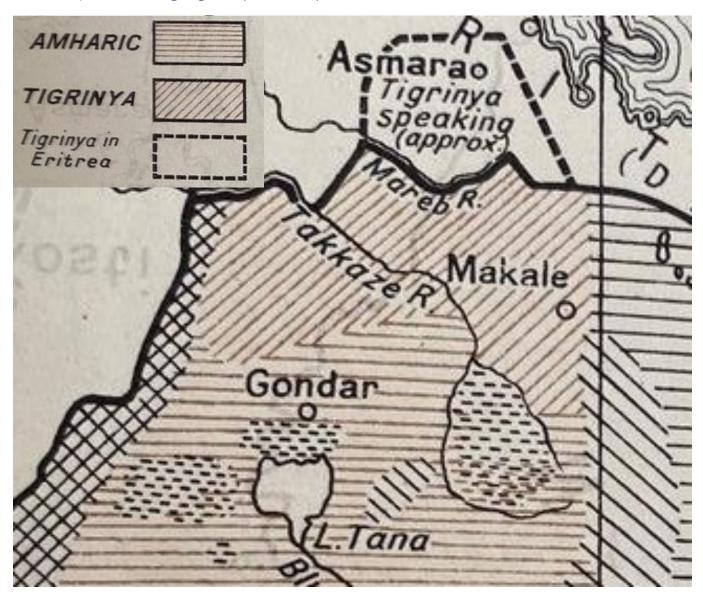
Southern border drawn as a straight line between Angareb and and Takazze Rivers. Simoons (1960) draws it slightly curved. Bryan (1948) explicitly mentions that the strip to both sides of the southern border of Tigray is often a transitional (bilingual) zone.



Semitic languages in red colours, Cushitic languages in black colours. Broken represent international borders.

Bryan, M.A., 1948. The distribution of the Semitic and Cushitic languages of Africa. International African Institute & Oxford University Press.

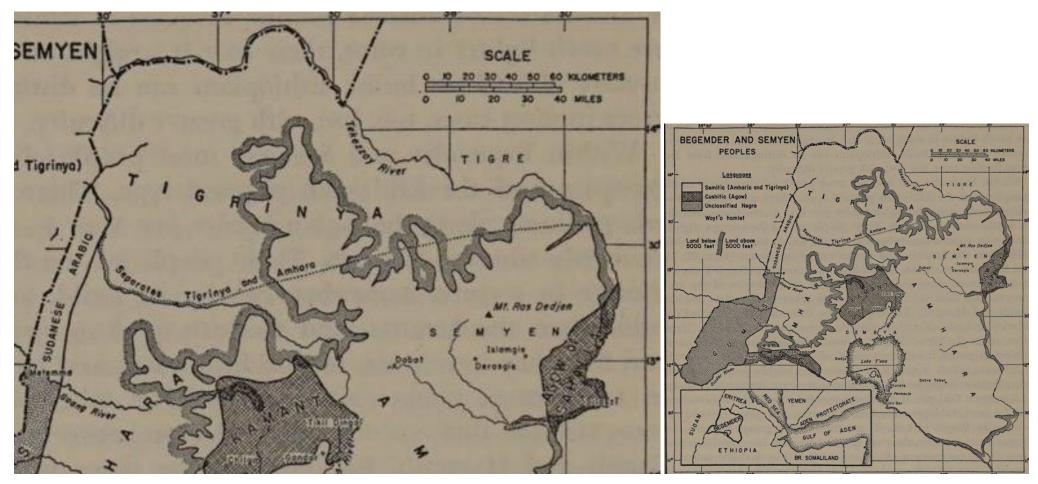
Perham, 1948: Language map of Ethiopia



Perham M.F., 1948. The government of Ethiopia. Oxford: Oxford University Press, 481 p.

Simoons, 1960. Begemder and Semyen, peoples.

Tigrinya/Amharic language boundary drawn on a map displaying the political boundaries as they were in 1960. The northern one third of the then Begemder province inhabited by Tigrinya speakers. This fits closely with the current legal border between the Tigray and Amhara Regions.



Simoons, F.J., 1960. Northwest Ethiopia: peoples and economy. Madison (Wis): University of Wisconsin Press

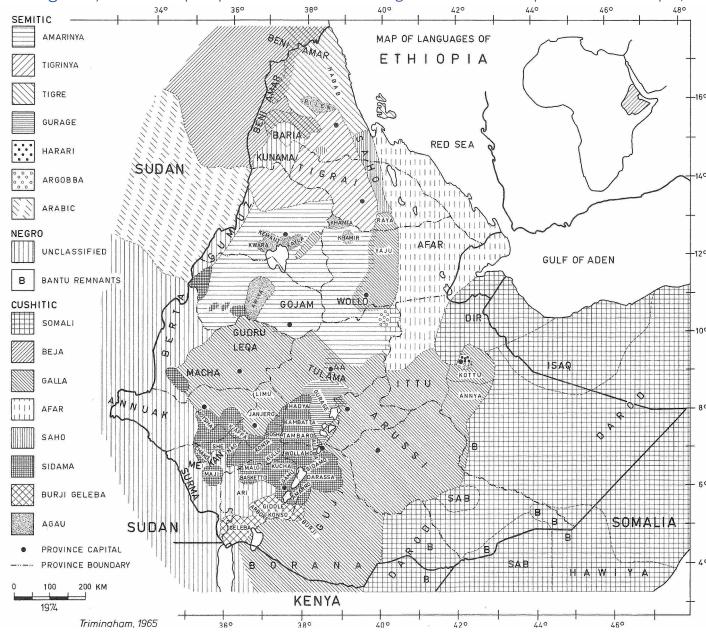
Obolensky, Debebow, Mulugeta, 1964. Amharic speaking area

On this map, the northern part of the then Bagemder province is displayed as non-Amharic speaking area. That area corrresponds to the current Western Tigray, as well as Tselemti and Dima woredas in Northwestern Tigray.

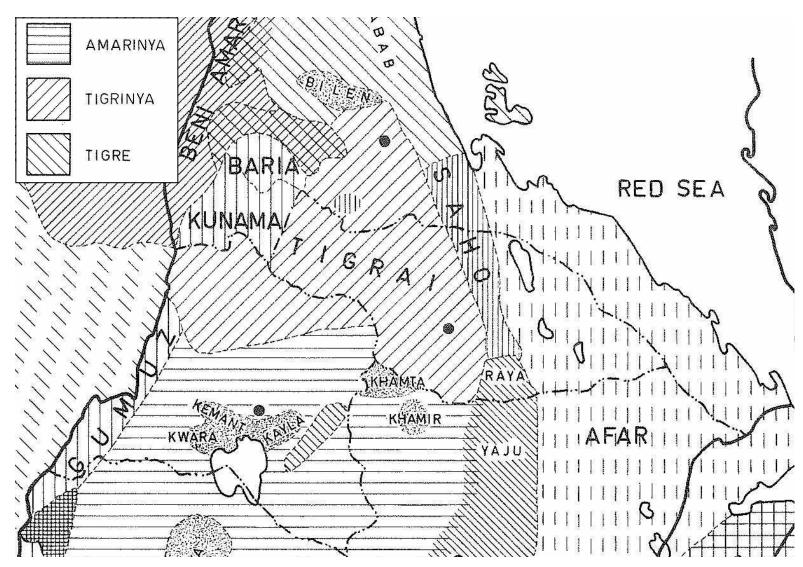


https://babel.hathitrust.org/cgi/pt?id=uc1.31210007315870&view=1up&seq=17&q1=map

Trimingham, 1965: Map of provinces and ethno-linguistic settlement patterns in Ethiopia, republished by Westphal (1974)



DATASET: HISTORICAL AND ETHNO-LINGUISTIC MAPS OF WESTERN TIGRAY - 127



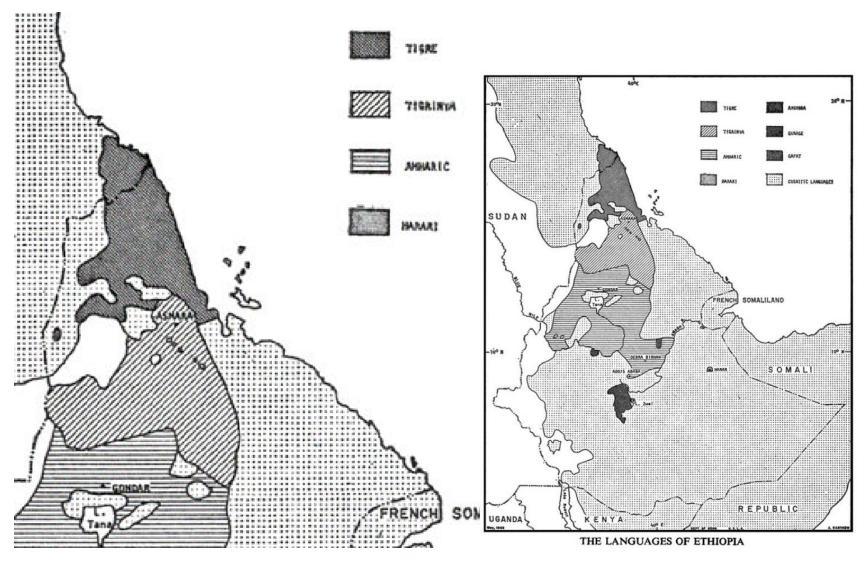
Excerpt of: Trimingham, 1965. Map of provinces and ethno-linguistic settlement patterns in Ethiopia, republished by Westphal (1975)

Trimingham J.S., 1965. Islam in Ethiopia. London: Frank Cass & Company.

Westphal E., 1975. Agricultural systems in Ethiopia. Wageningen: Centre for Agricultural Publishing and Documentation. 278 p.

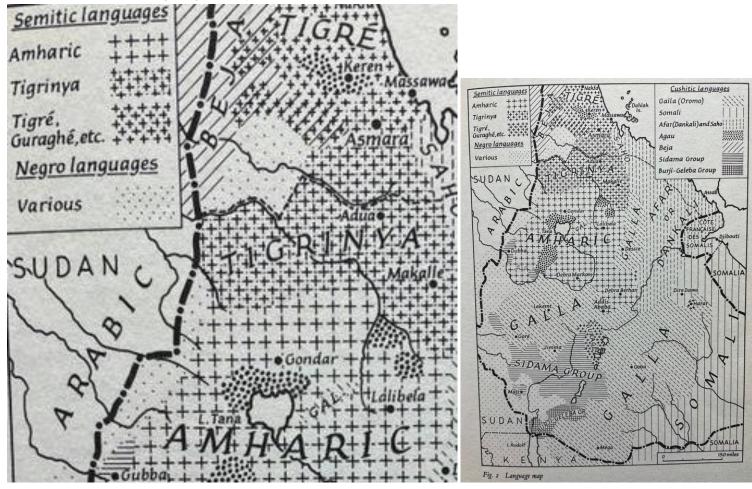
Leslau, 1965: The Semitic languages of Ethiopia

Tigrinya language extends from East to West up to the Sudanese border



Leslau, W., 1965. An annotated Bibliography of the Semitic languages of Ethiopia. De Gruyter Mouton. https://doi.org/10.1515/9783111657325

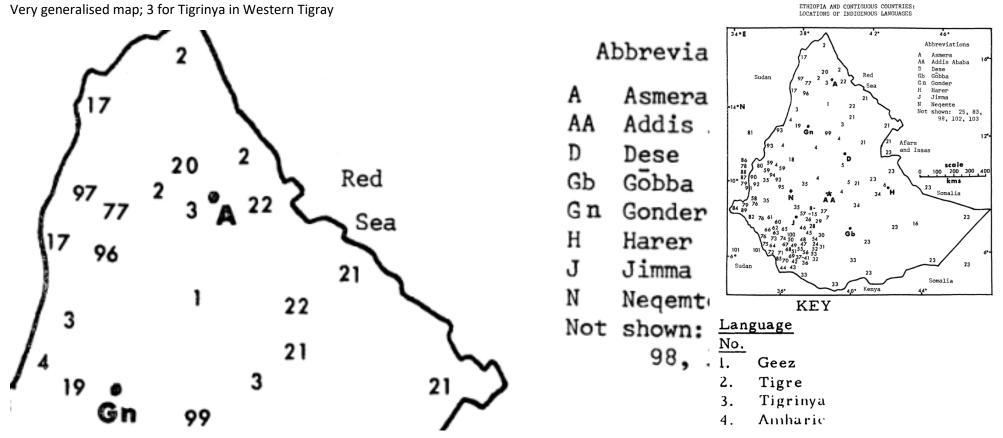
Buxton, 1970. Language map



Buxton, D.R., 1970. The Abyssinians. Praeger Publishers.

Bender, 1971. Locations of indigenous languages

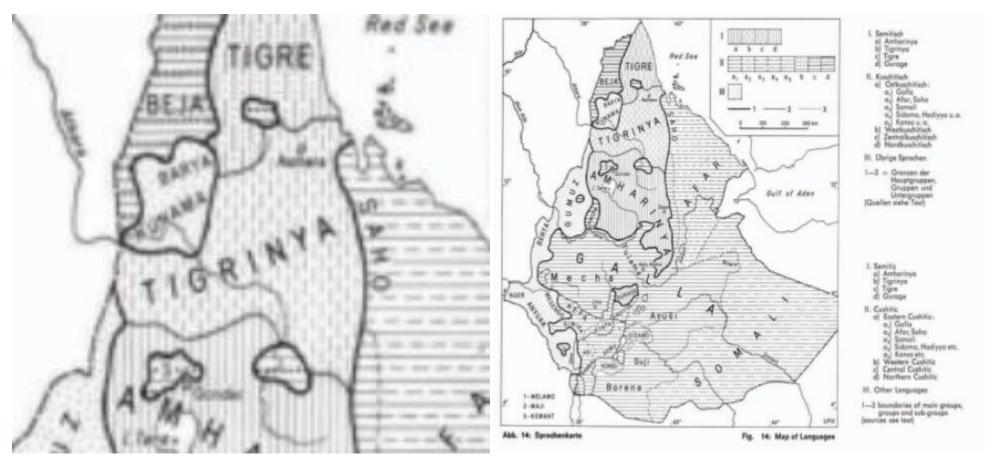
Very generalised map; 3 for Tigrinya in Western Tigray



Bender, M.L., 1971. The Languages of Ethiopia: A New Lexicostatistic Classification and Some Problems of Diffusion. *Anthropological Linguistics*, 13 (5): 165-288. https://www.jstor.org/stable/30029540?seq=1

Kuls, 1972: Map of languages

Tigrinya language with full East-West extent up to the Sudanese border, across the Tekeze River.

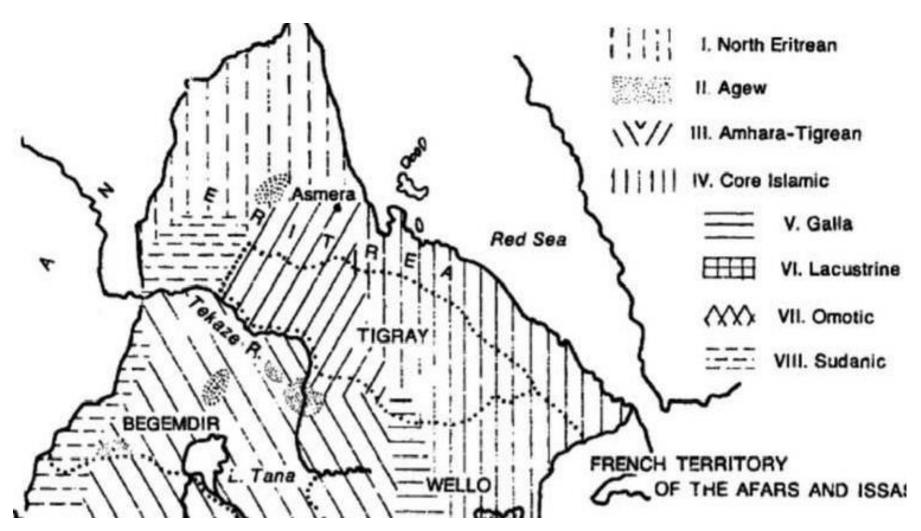


Schaller, K.F., Kuls, W., 1972. Äthiopien-Ethiopia. Eine geographisch-medizinische Landeskunde / A geomedical monograph. Geomedical monograph series, Heidelberger Akademie der Wissenschaften Math.-nat. Springer-Verlag Berlin, Heidelberg, New York.

https://books.google.be/books?id=cYXKBgAAQBAJ&pg=PA44&dq=.+%C3%84thiopien-Ethiopia.+Eine+geographisch-medizinische+Landeskunde+/+A+geomedical+monograph&hl=en&sa=X&ved=2ahUKEwilscn_l973AhWswQIHHV8xAgUQ6AF6BAgJEAI#v=onepage&q=.%20%C3%84thiopien-Ethiopia.%20Eine%20geographisch-medizinische%20Landeskunde%20%2F%20A%20geomedical%20monograph&f=false

Levine, 1974: Language map

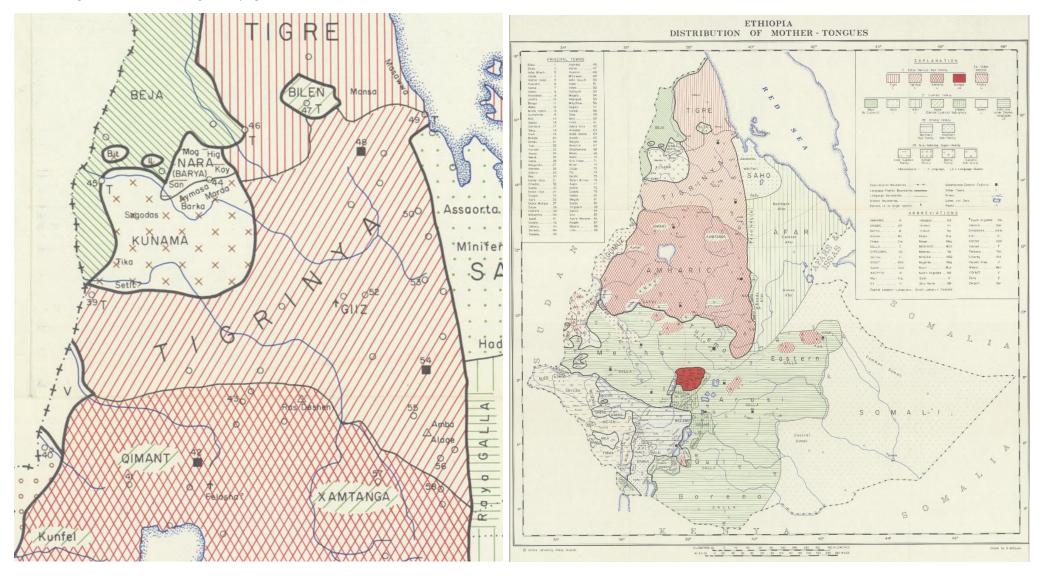
Besides an extent of Amhara language that is out of phase with all other language maps (pages 120 to 141), Levine's map holds numerous other inconsistencies. Tigre or Gurage are absent from the legend; dozens of Cushitic and Omotic ethnic groups as well as Gurage are lumped as "lacustrine"; Afar and Somali are merged into "core Islamic"...



Levine D., 1974. Greater Ethiopia: The Evolution of a Multiethnic Society. Chicago: University of Chicago Press.

Bender et al., 1976. Ethiopia, distribution of mother-tongues

The current western Tigray mapped as Tigrinya-speaking, with Kunama along the shores of the lower Tekeze River. Localised "T" at Humera (39) for Takruri, people of West African origin who settled along their pilgrim route to Mecca (24).

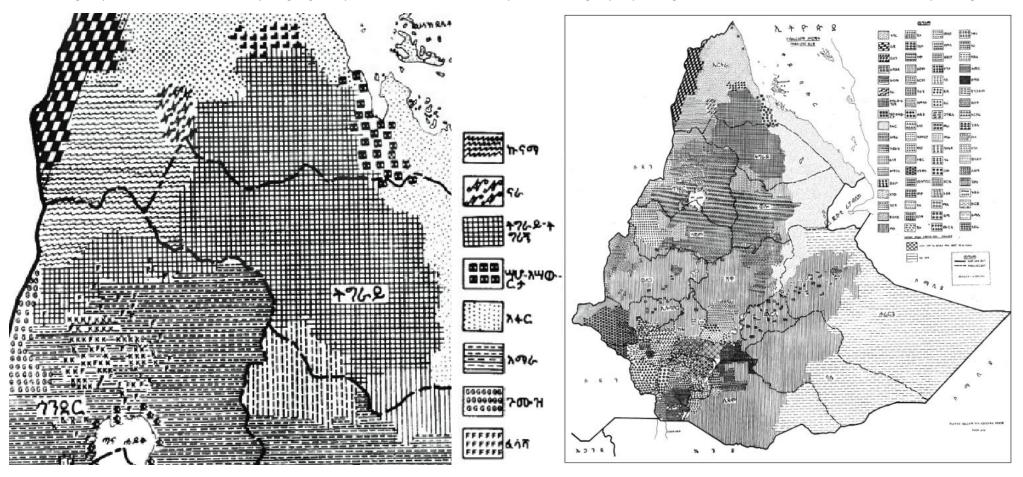


Bender, M.L., Bowen, J.D., Cooper, R.L. and Ferguson, C.A., 1976. Language in Ethiopia. Oxford University Press. For more context about this map: see (20).

DATASET: HISTORICAL AND ETHNO-LINGUISTIC MAPS OF WESTERN TIGRAY - 134

Institute for the Study of Ethiopian Nationalities, 1985. Catalogue and map of Ethiopian nationalities.

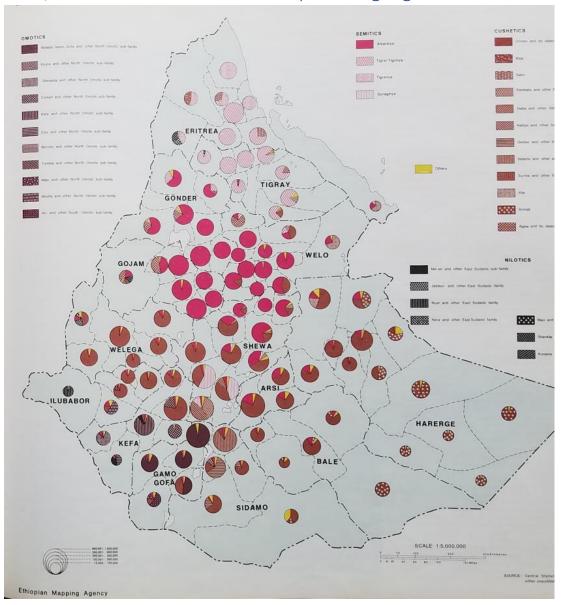
According to this map, the ethnic groups in Western Tigray are Tigrayans and Kunama. Kunama area does look rather too wide; compare to Bender et al., 1976. Small letters F for small groups of Falasha. Like on many language maps, in the extreme western part of the Tigrinya-speaking area, the latter borders with the Gumuz-speaking area.



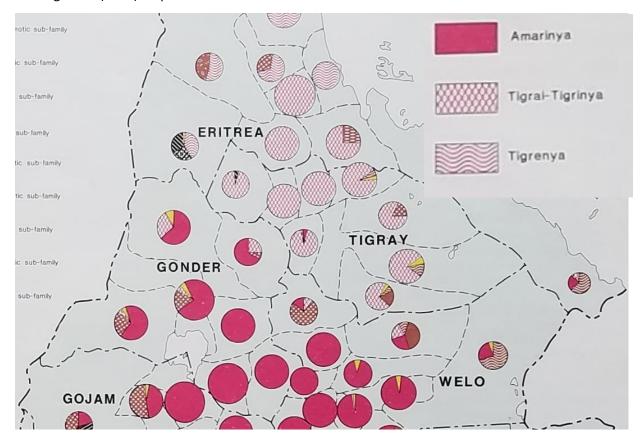
Legend, starting from the top: Kunama, Nara, Tigray-Tigrinya, Saho, Afar, Amhara, Gumuz, Falasha.

Map was republished by Mulatu Wubneh, 2017. Ethnic Identity Politics and the Restructuring of Administrative Units in Ethiopia. International Journal of Ethiopian Studies, 11 (1 & 2): 105–38. https://www.jstor.org/stable/26586251.

EMA, 1988: National Atlas of Ethiopia - Languages

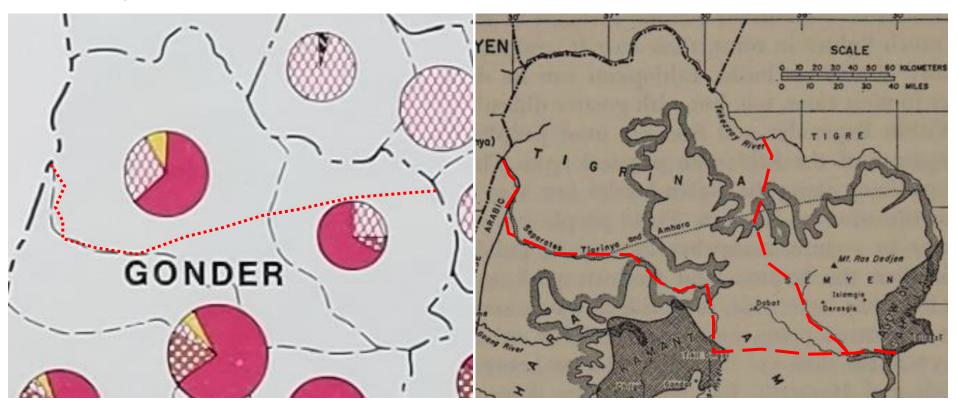


The map in the 1988 National Atlas of Ethiopia actually does not represent a spatial distribution of languages, but pie charts of census results at the level of *awrajas*, an intermediate administrative level at the time. Details in the zone of interest show large shares of Tigrinya speakers in the northern *awrajas* of the then Gonder province. The ethnic groups are not homogeneously "mixed" in each *awraja*, rather the Tigrinya speakers occupied the northern part of the two northern *awrajas*. Compare with Trimingham's (1965) map.

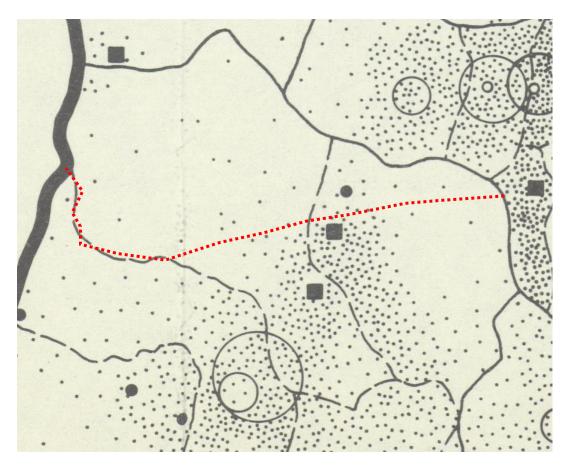


Didactic exercise: how pie charts hide the spatial distribution of ethnic groups in the 1980s' Gonder province

How to link up the map in the 1988 Atlas of Ethiopia with the other maps of languages spoken in NW Ethiopia? Let us contrast the 1988 map holding pie charts with the best map at hand displaying the language border Amharic-Tigrinya; that is Simoons (1960). On the below maps, we plotted some crucial borders of EMA's (1988) map on Simoons' (1960) map; and vice versa.



At left, the EMA (1988) map with addition of the language boundary between Tigrinya and Amharic, as taken from Simoons' (1960) map. At right Simoons' (1960) map with outlining of the then awrajas Dabat/Welkait (at the west) and Simien/Tselemti (at the east). Superimposed lines are in red colour on both maps. Taking into account the areal share of the population groups, and the much higher population densities in the southern part of the awrajas (see next page), the population distribution in these two districts can be easily understood. The southern parts are uplands above 1500 m \approx 5000 feet, south of the thick greyish line on the map at right.

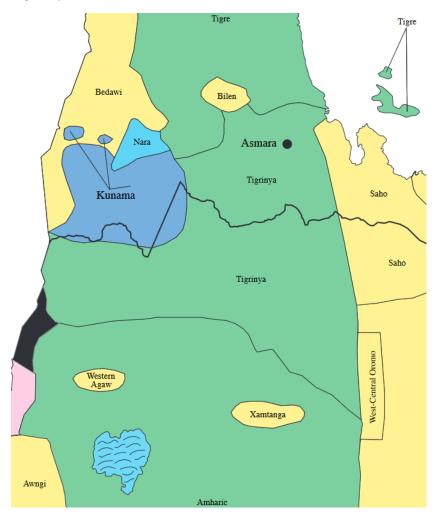


Population distribution in the northern part of the Begemder province in 1967, according to Central Statistical Office and the Imperial Ethiopian Mapping and Geography Institute (21). Every dot stands for 1000 rural inhabitants. Larger black dots are settlements and circles represent towns. The central part of the map is inhabited by Amharaspeakers, in the uplands, with high density. Lowland areas show low population density. Language boundary between Tigrinya and Amharic in broken red line, as taken from Simoons' (1960) map.

This exercise also allows understanding how, in the period 1943-1990, as represented by the three maps, not only provinces were drawn in such a way as to minorise the peripheral population groups at the benefit of the dominant Amhara ethnic group, but also *awraja* boundaries did not consider ethnicity, again imposing the dominant central language on the peripheral groups.

SIL Ethiopia, 2005. Languages of Ethiopia, Eritrea and Djibouti

Border lines quite generalised. Black colour for uninhabited area; in reality this in these areas there is shifting cropping by Gumuz who also displace their settlements regularly (25, 26).

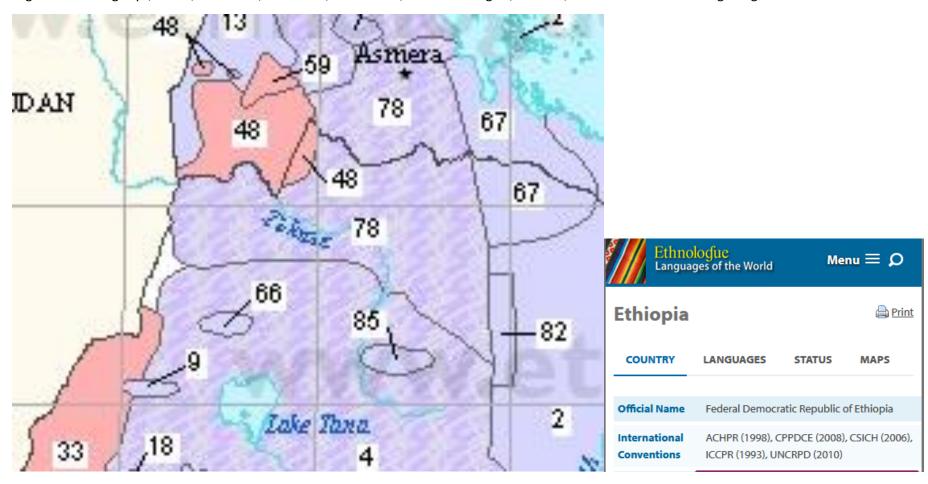


https://silethiopia.org/wp-content/uploads/2013/12/Language-Map-30.03.2005.pdf

SIL International is an evangelical Christian non-profit organization whose main purpose is to study, develop and document languages, especially those that are lesser-known. SIL Ethiopia was founded in 1973 as a non-profit organization.

Ethnologue, 2009

Legend: 78 for Tigrinya, 2 Afar, 4 Amharic, 33 Gumuz, 48 Kunama, 66 Qemant Agaw, 67 Saho, 82 Oromo and 85 Xamtagna Agaw



http://www.ethnologue.com/show_map.asp?name=ET (behind paywall)

Map retrieved from: Tekabe Legesse Feleke, 2021. Ethiosemitic languages: Classifications and classification determinants, Ampersand, 8: 100074. https://doi.org/10.1016/j.amper.2021.100074.