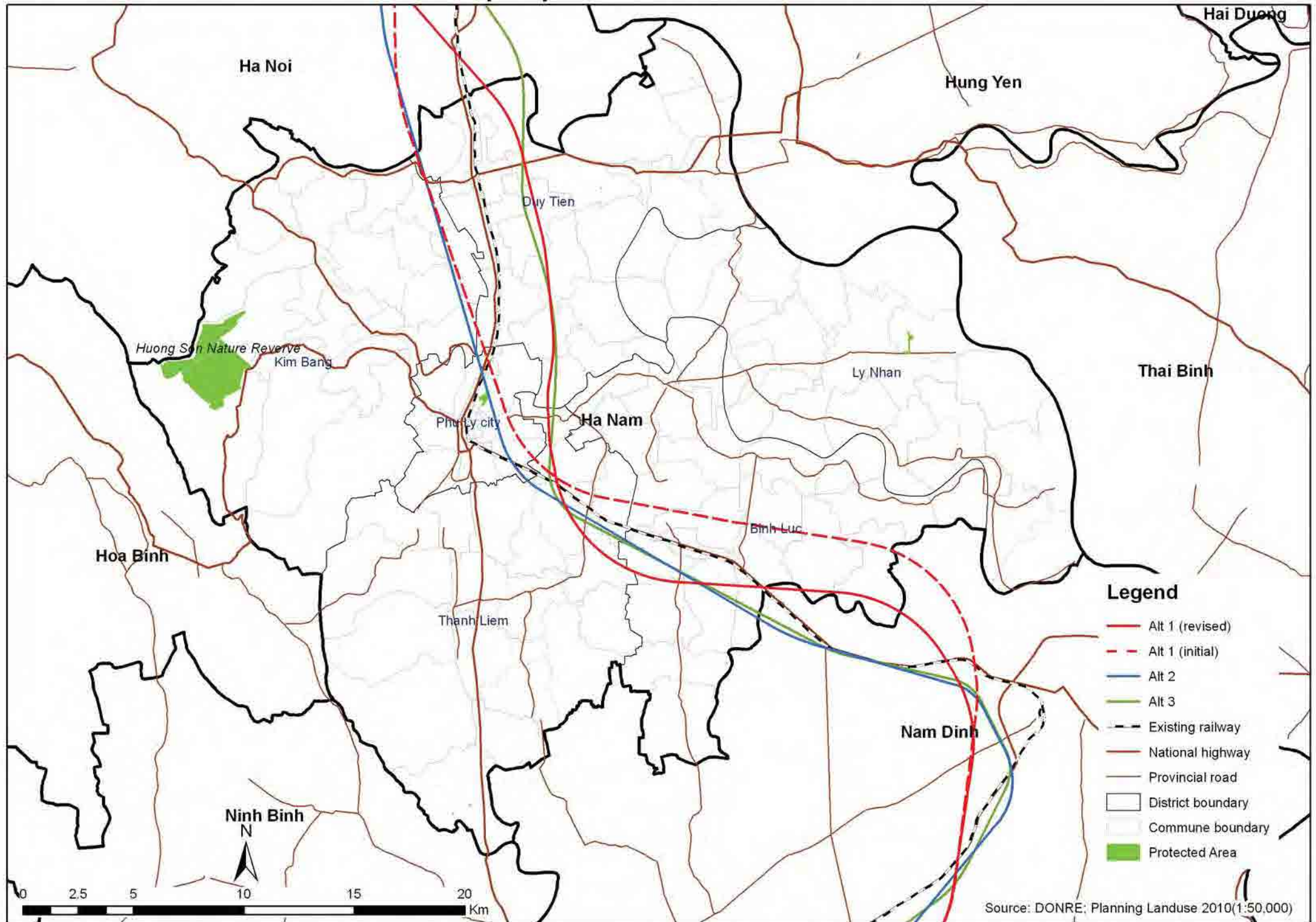


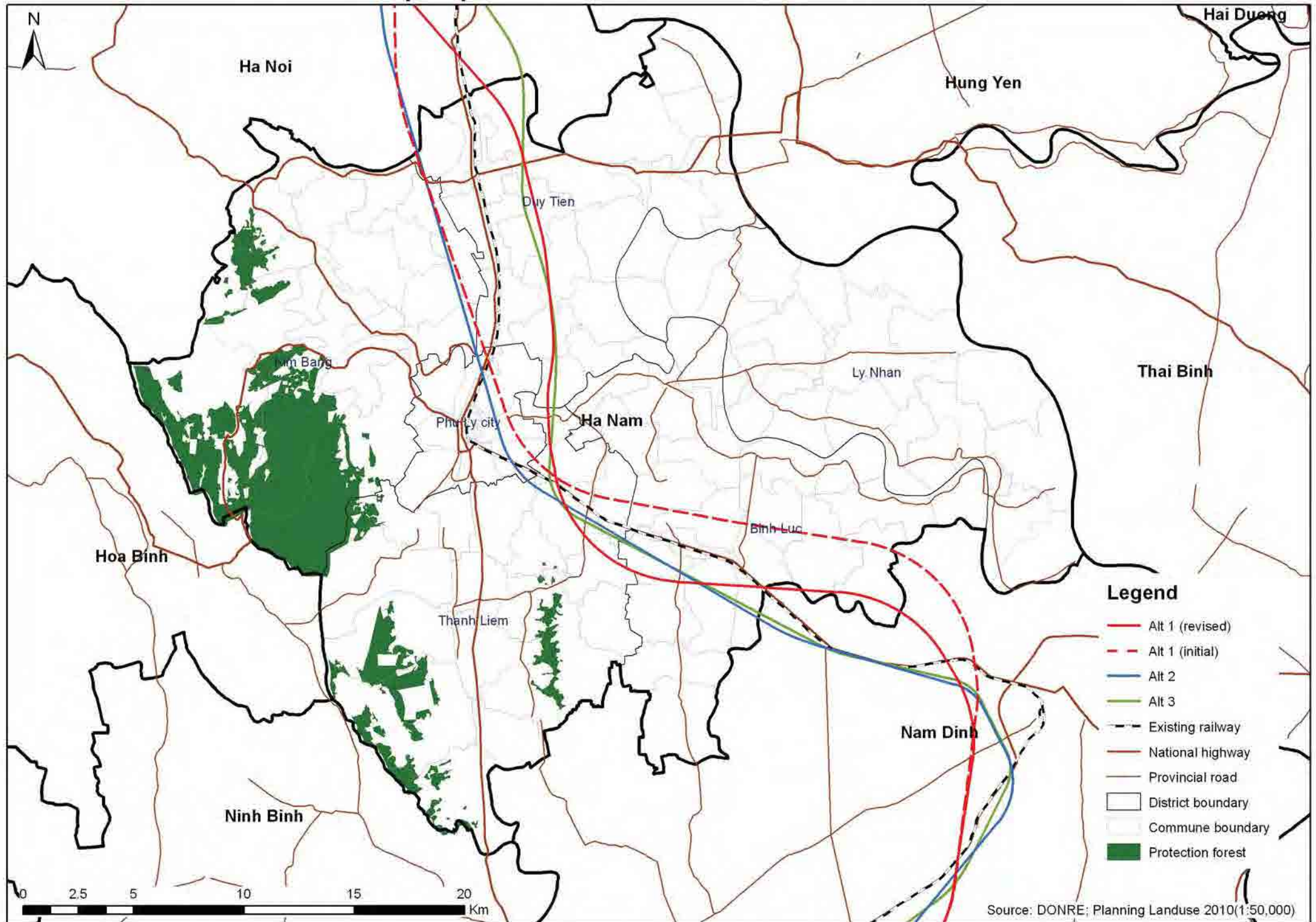
HA NAM PROVINCE

02.01	Protected Area
02.02	Protection and Production Forest
02.02_2	Distribution of Forest
02.07	Ethnic Minority
02.07_2	Ethnic Minority Density
02.08	Population Density
02.09	Industrial Zone
02.10	Cemetery Land
02.11	Pagodas/Churches
02.12	Army Area
02.13	Development Area
02.14	Typhoon Prone Area
02.15	Important Bird Areas and Endemic Bird Areas
02.16	Overlaid Environmental Sensitivity Map

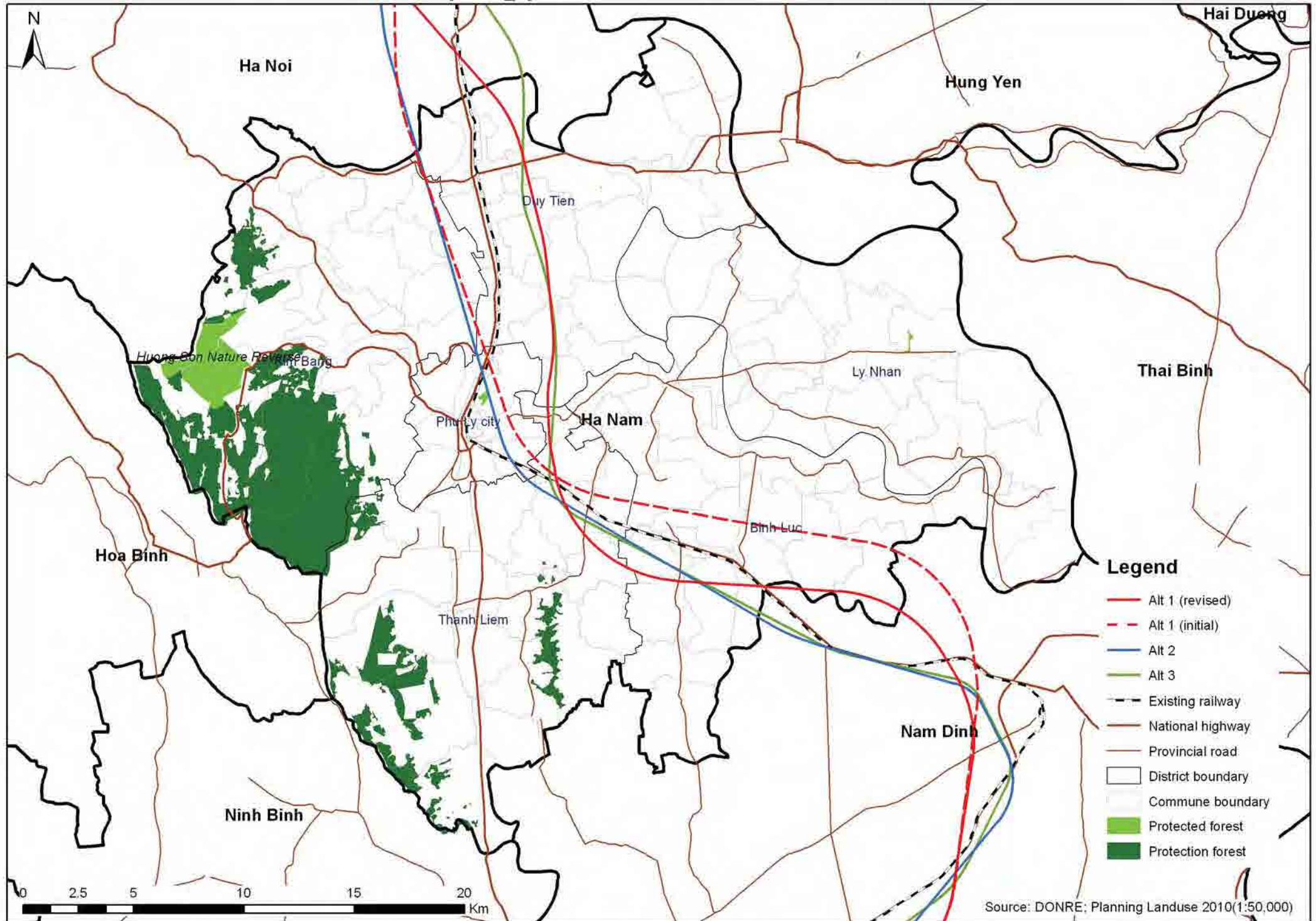
*Missing number(s) means there was no data available to prepare the map.

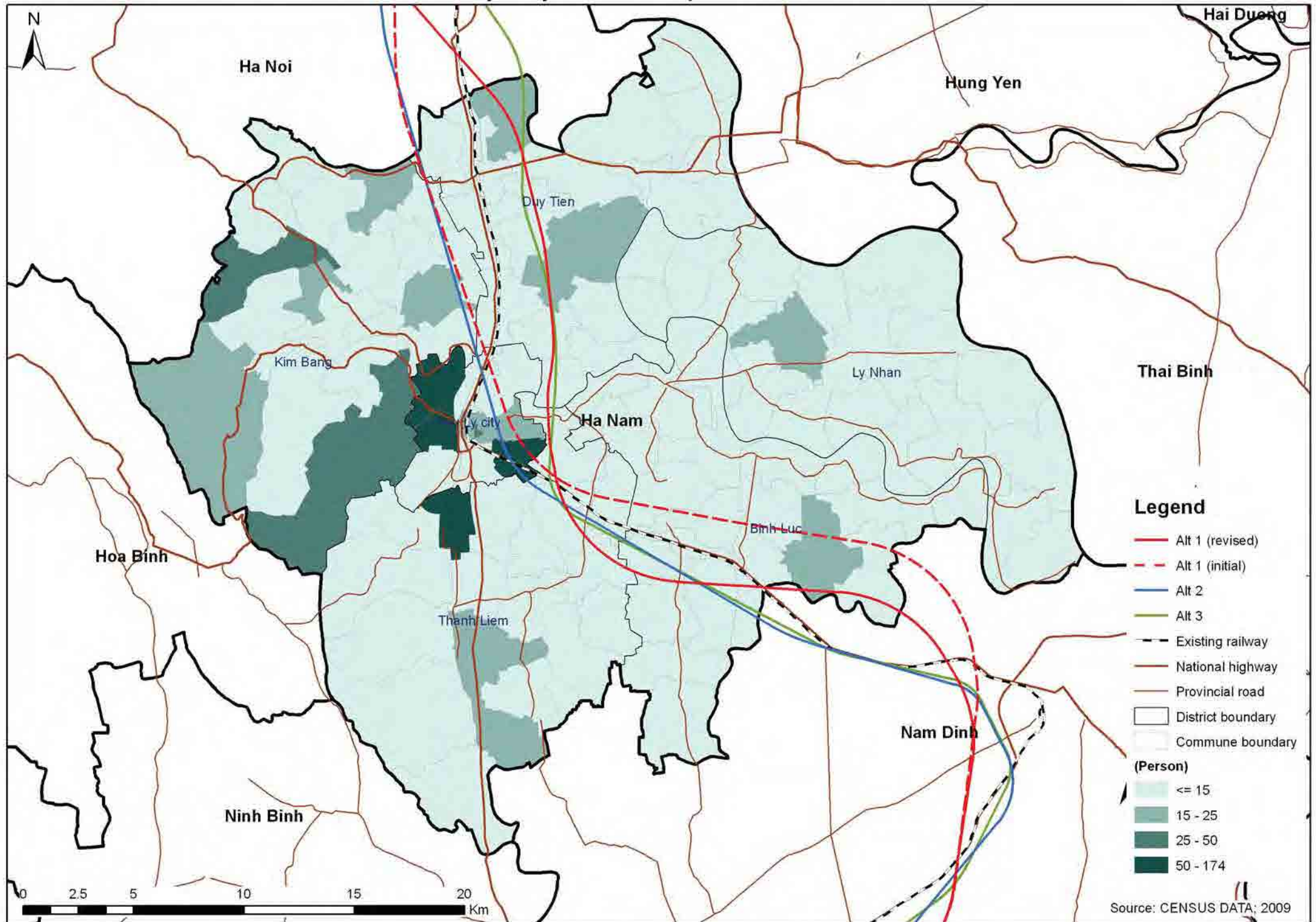


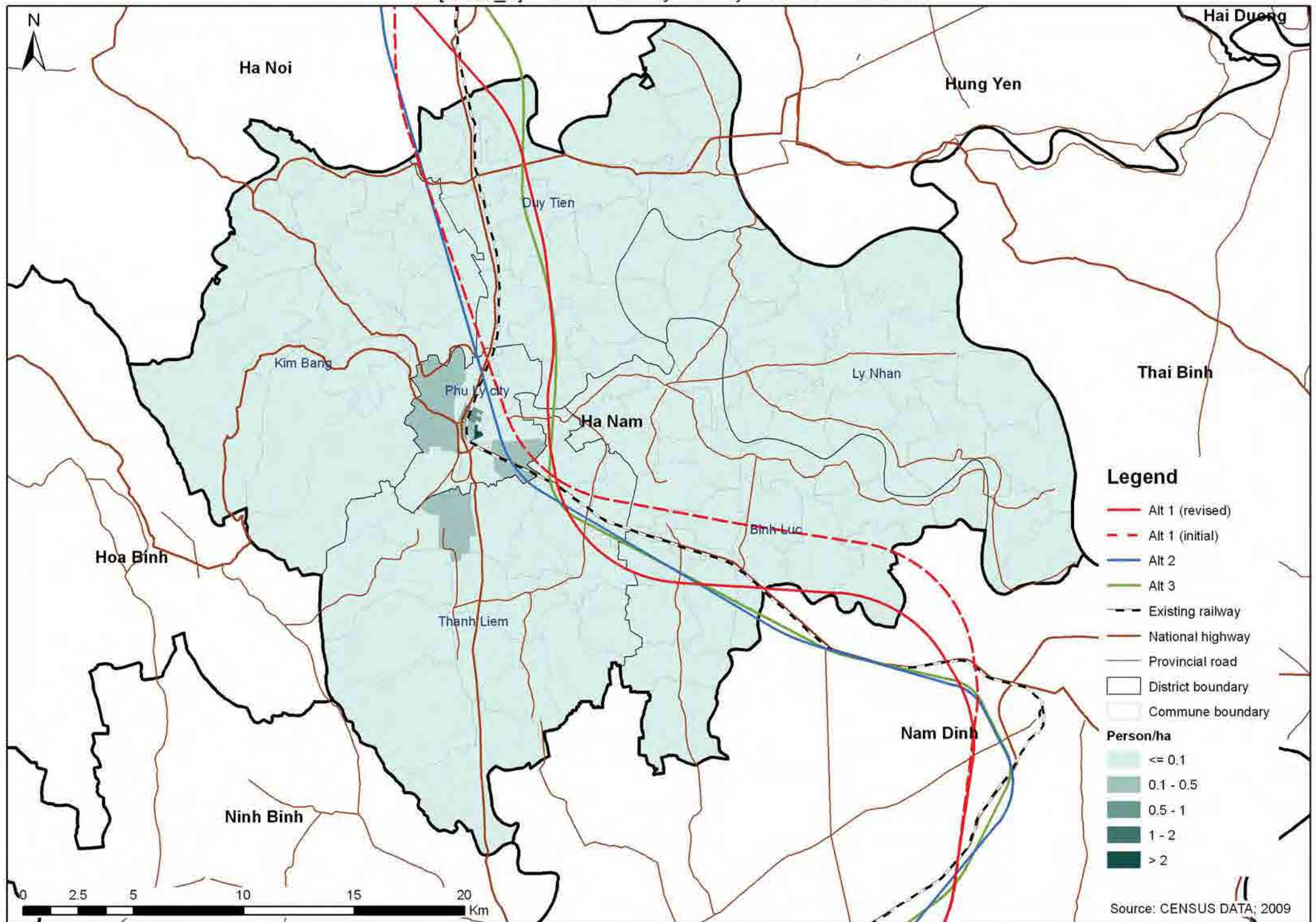
[02.02] - Protection and Production Forest - Ha Nam Province



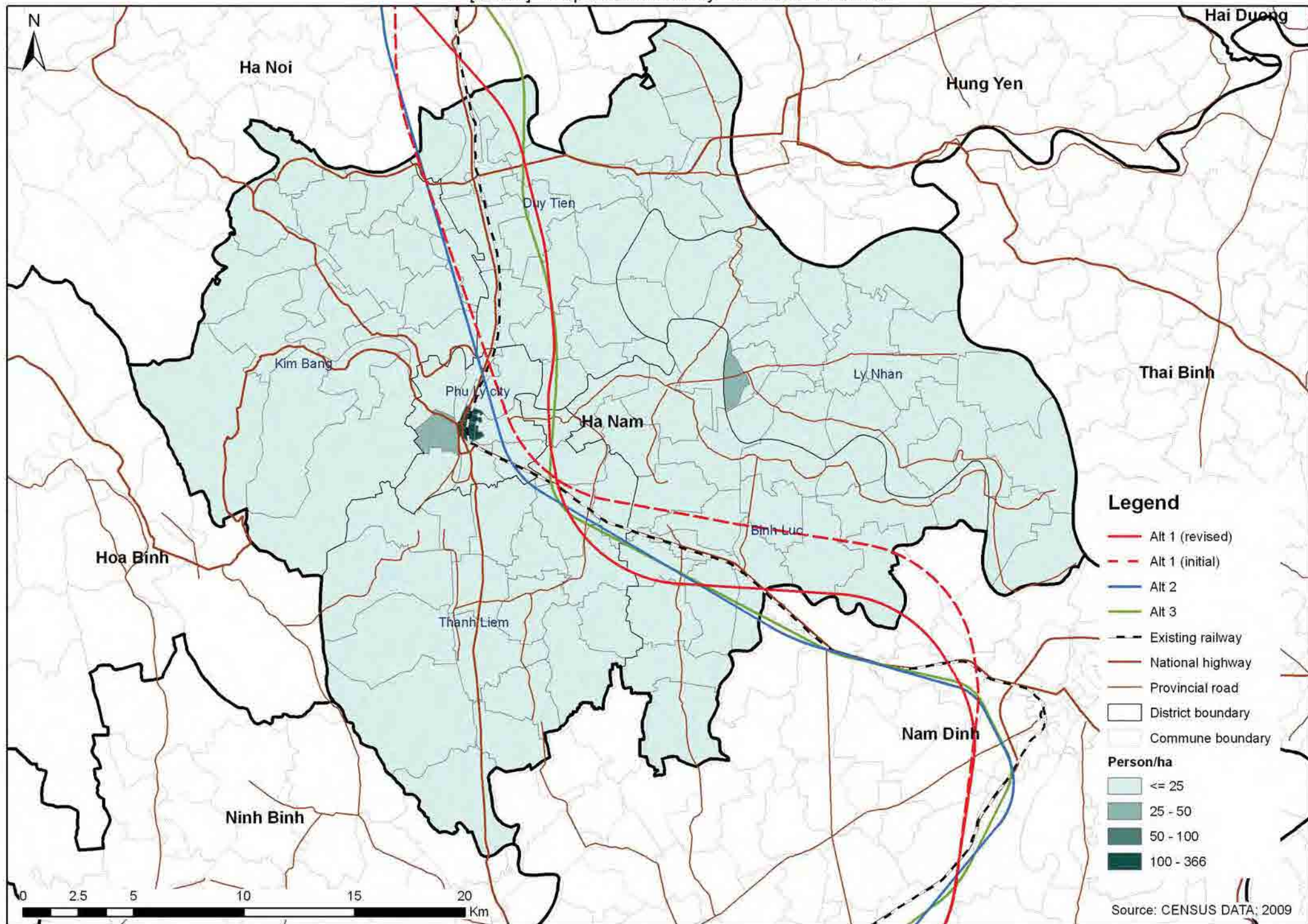
[02.02_2] - Distribution of Forest - Ha Nam Province

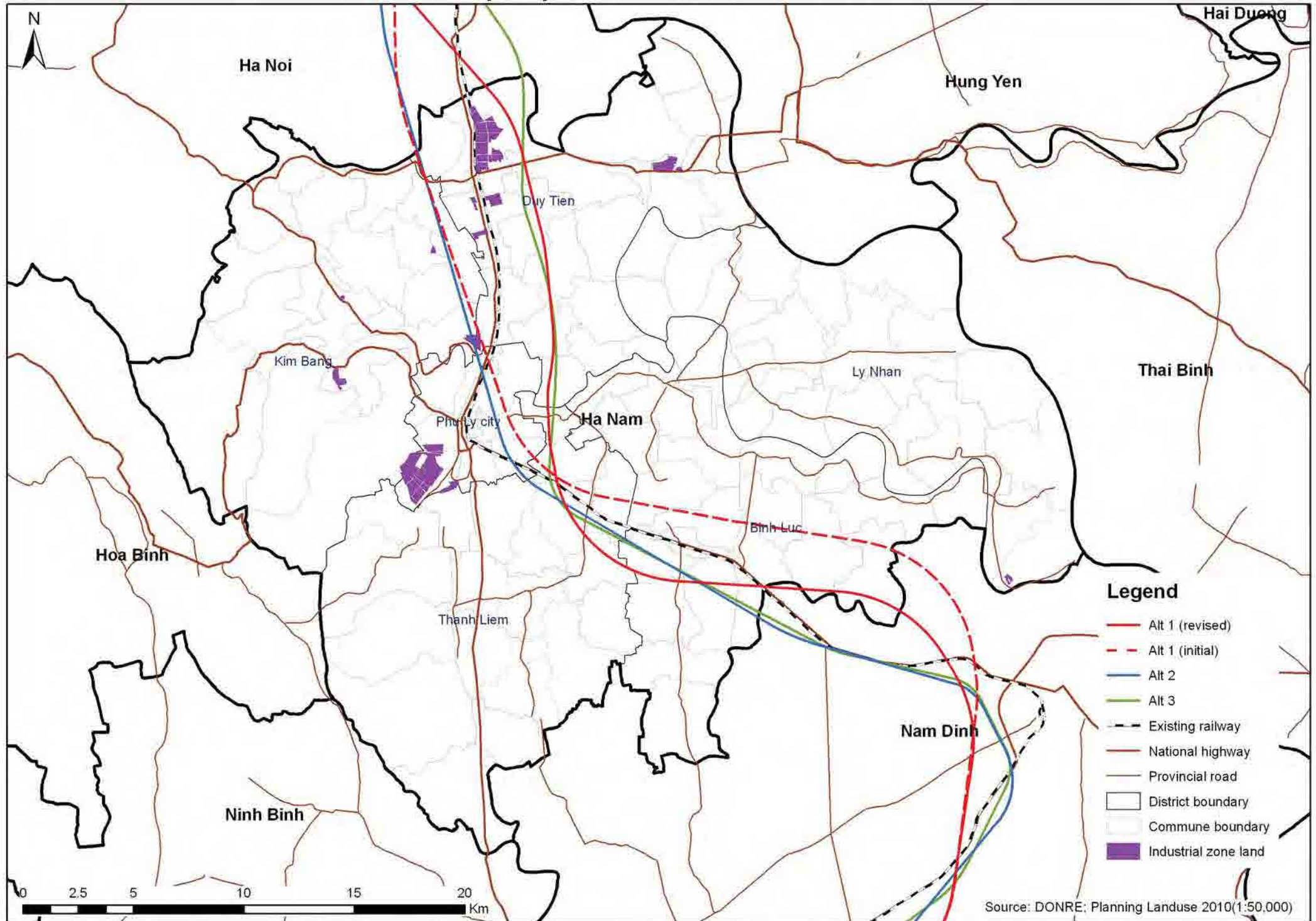


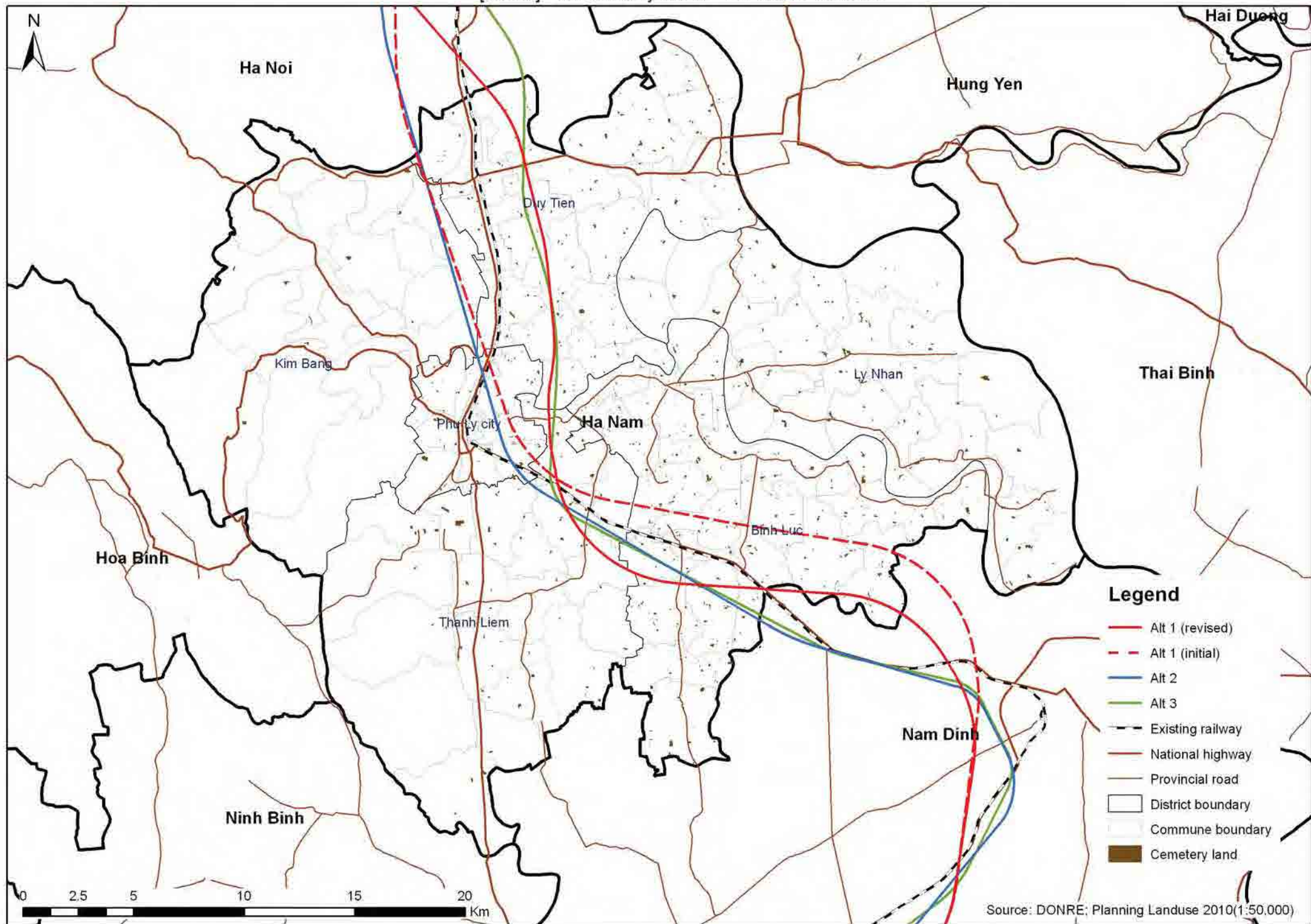


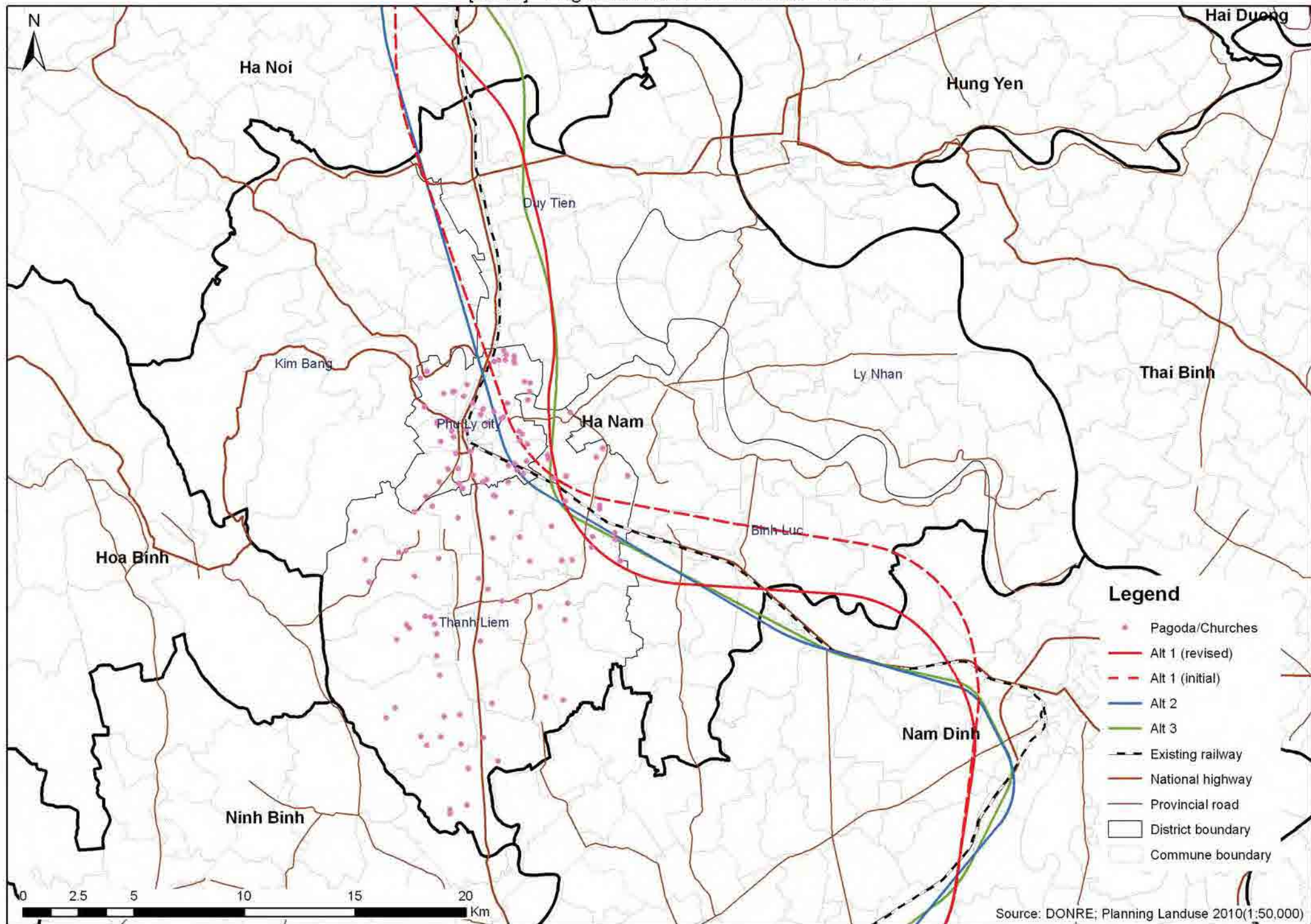


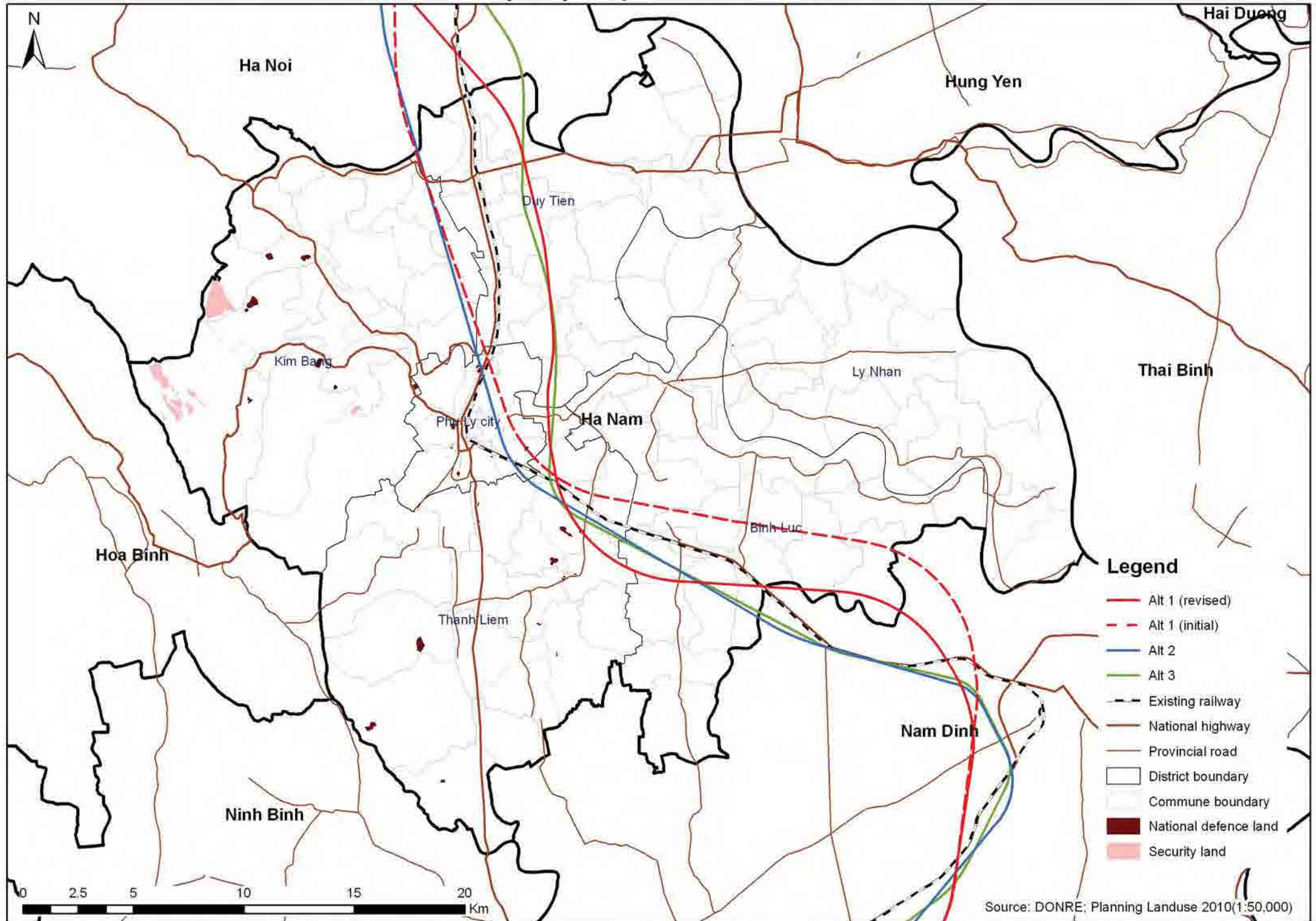
[02.08] - Population Density - Ha Nam Province

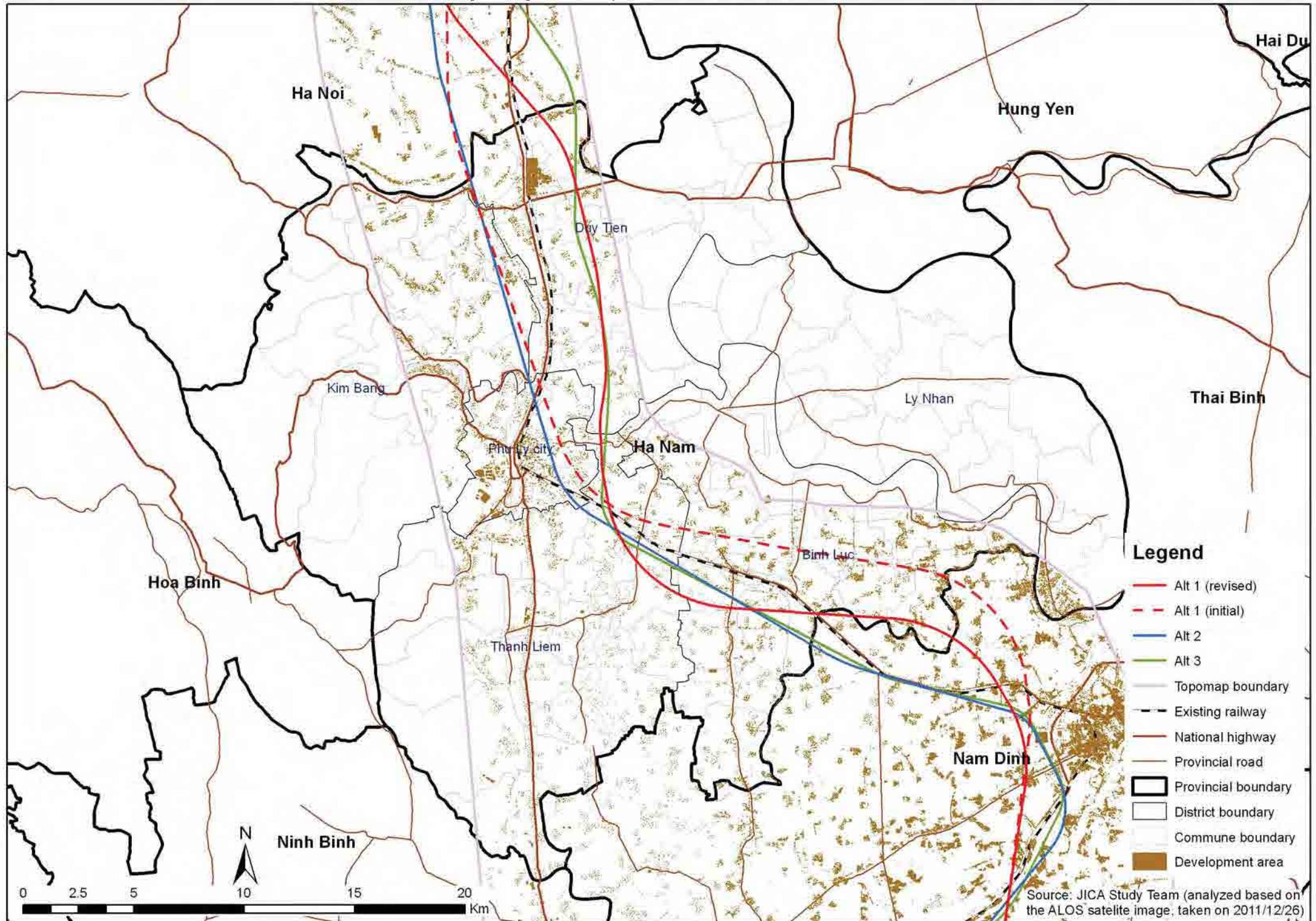




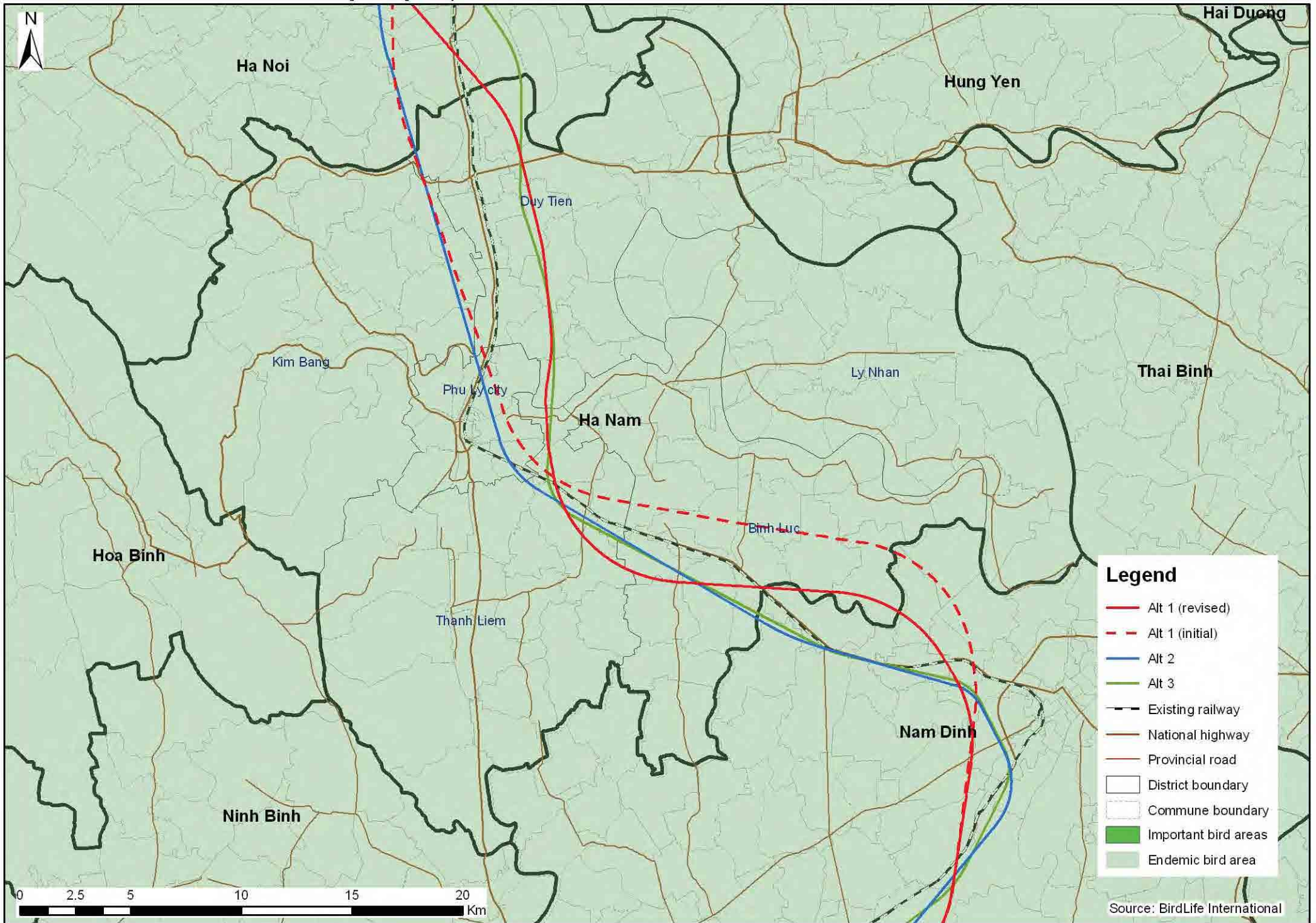




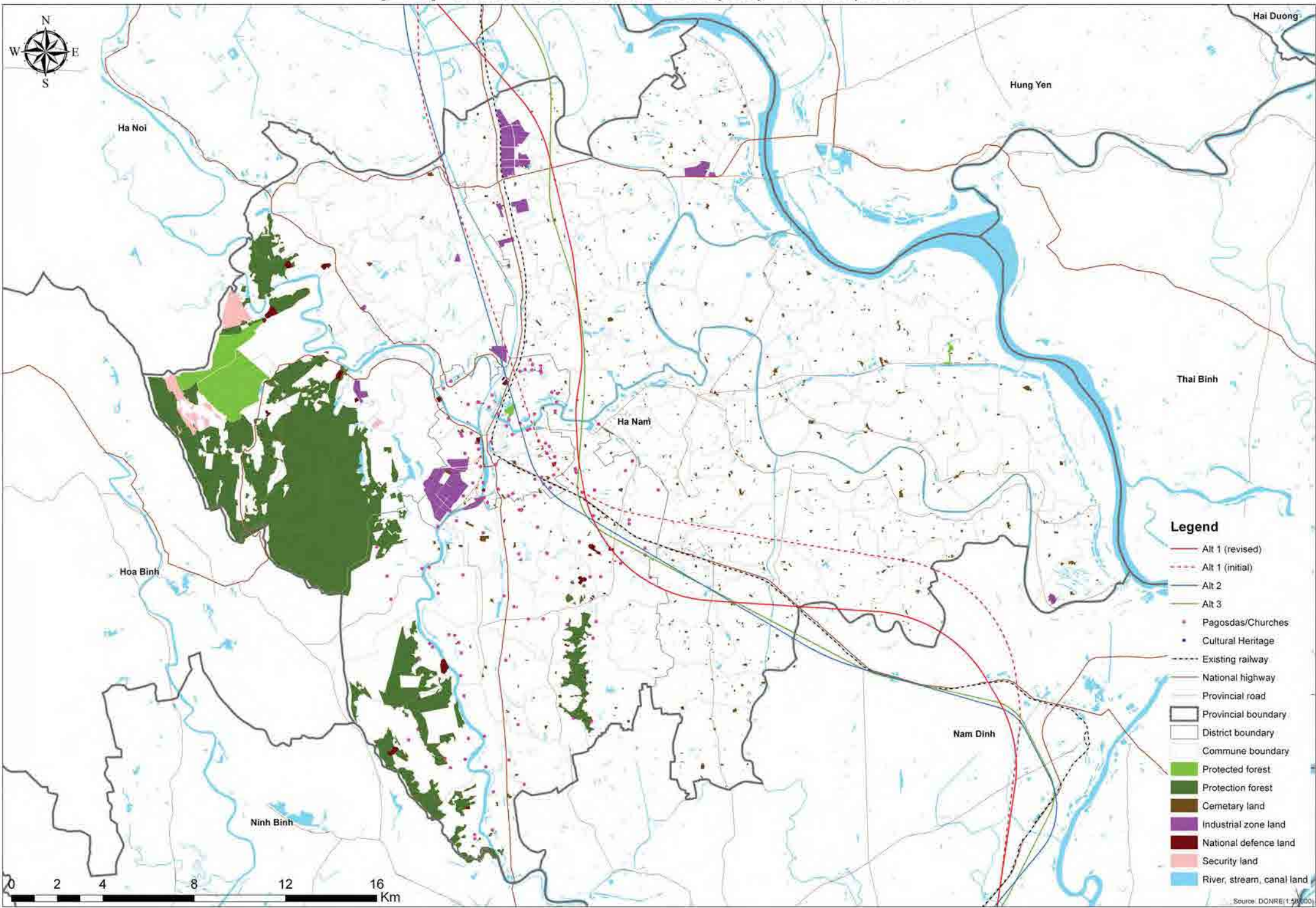




[02.15] - Important Bird Areas and Endemic Bird Areas - Ha Nam Province



[02.16] - Overlaid Environmental Sensitivity Map - Ha Nam province

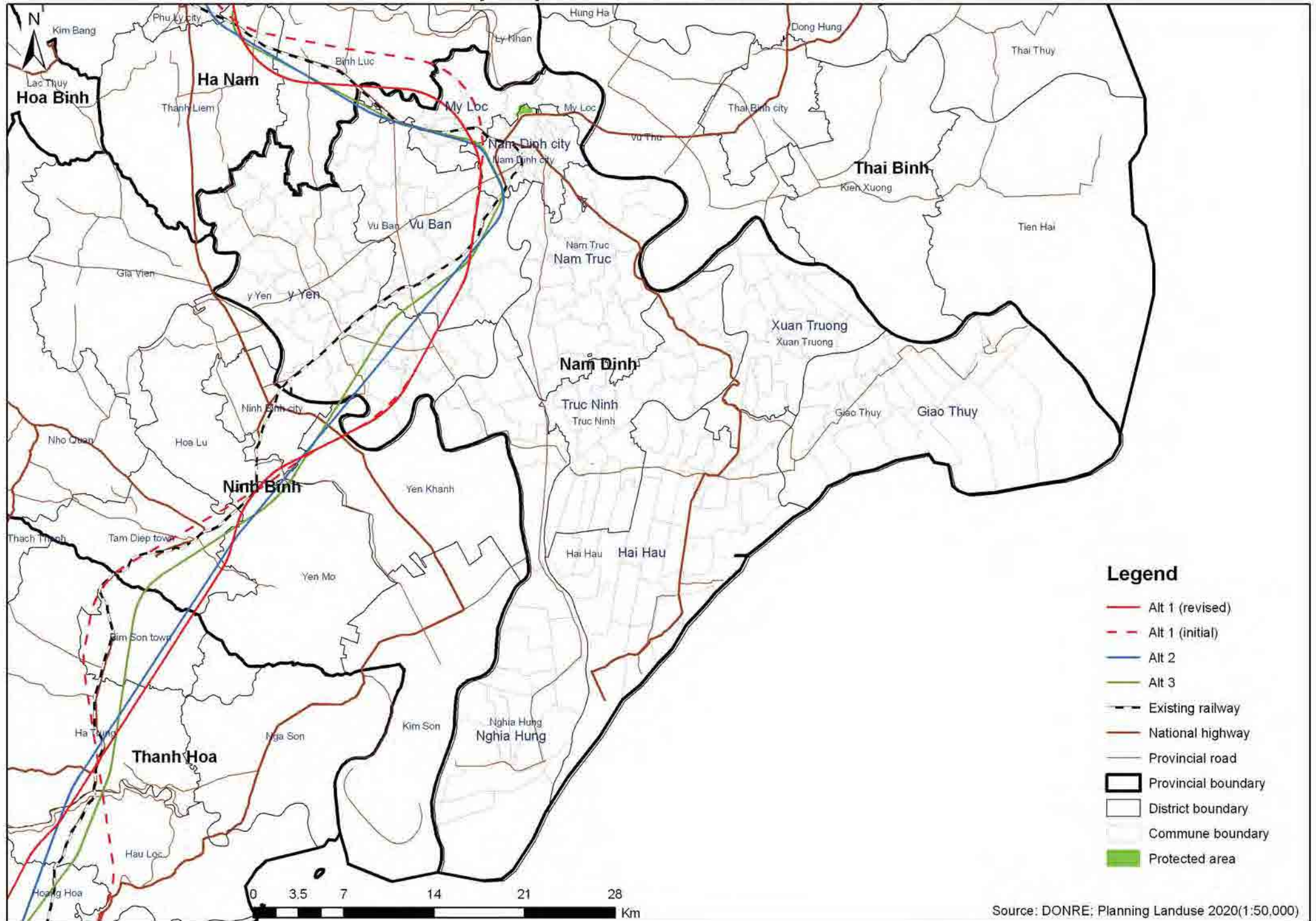


NAM DINH PROVINCE

03.01	Protected Area
03.02	Protection and Production Forest
03.02_2	Distribution of Forest
03.07	Ethnic Minority
03.07_2	Ethnic Minority Density
03.08	Population Density
03.09	Industrial Zone
03.10	Cemetery Land
03.11	Pagodas/Churches
03.12	Army Area
03.13	Development Area
03.15	Important Bird Areas and Endemic Bird Areas
03.16	Overlaid Environmental Sensitivity Map

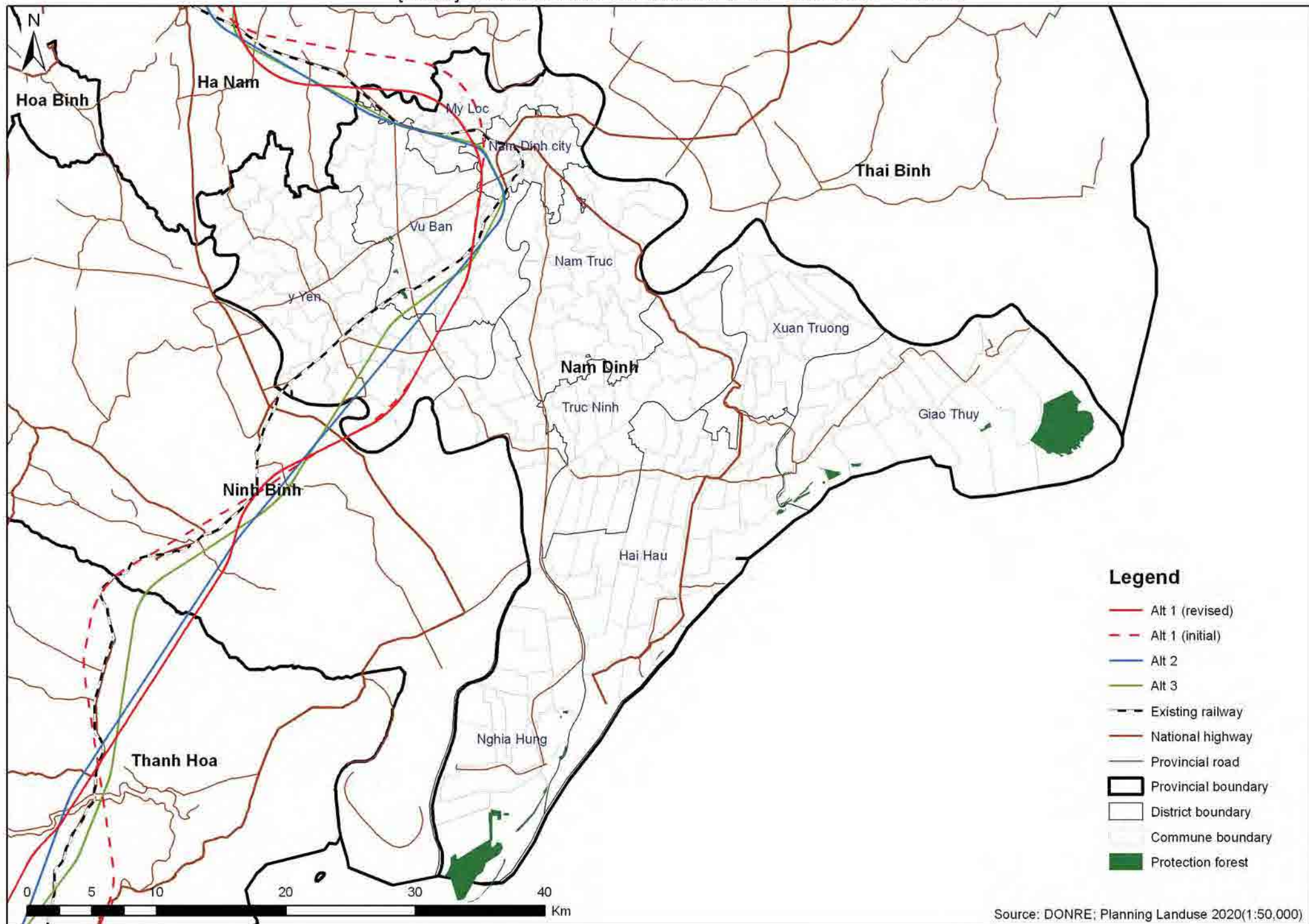
*Missing number(s) means there was no data available to prepare the map.

[03.01] - Protected Area - Nam Dinh Province



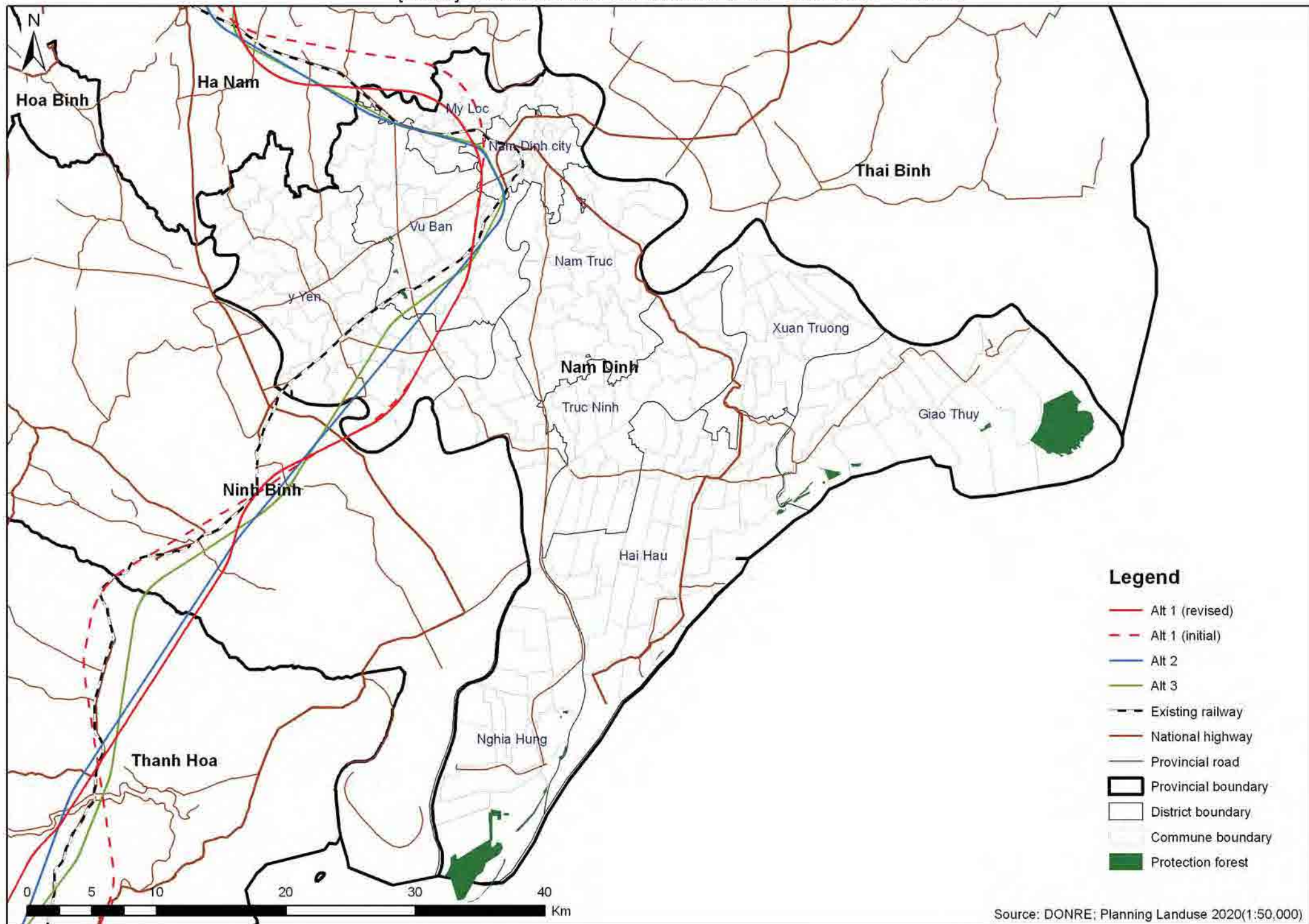
Legend

- Alt 1 (revised)
- - - Alt 1 (initial)
- Alt 2
- Alt 3
- - - Existing railway
- National highway
- Provincial road
- Provincial boundary
- District boundary
- Commune boundary
- Protected area



Legend

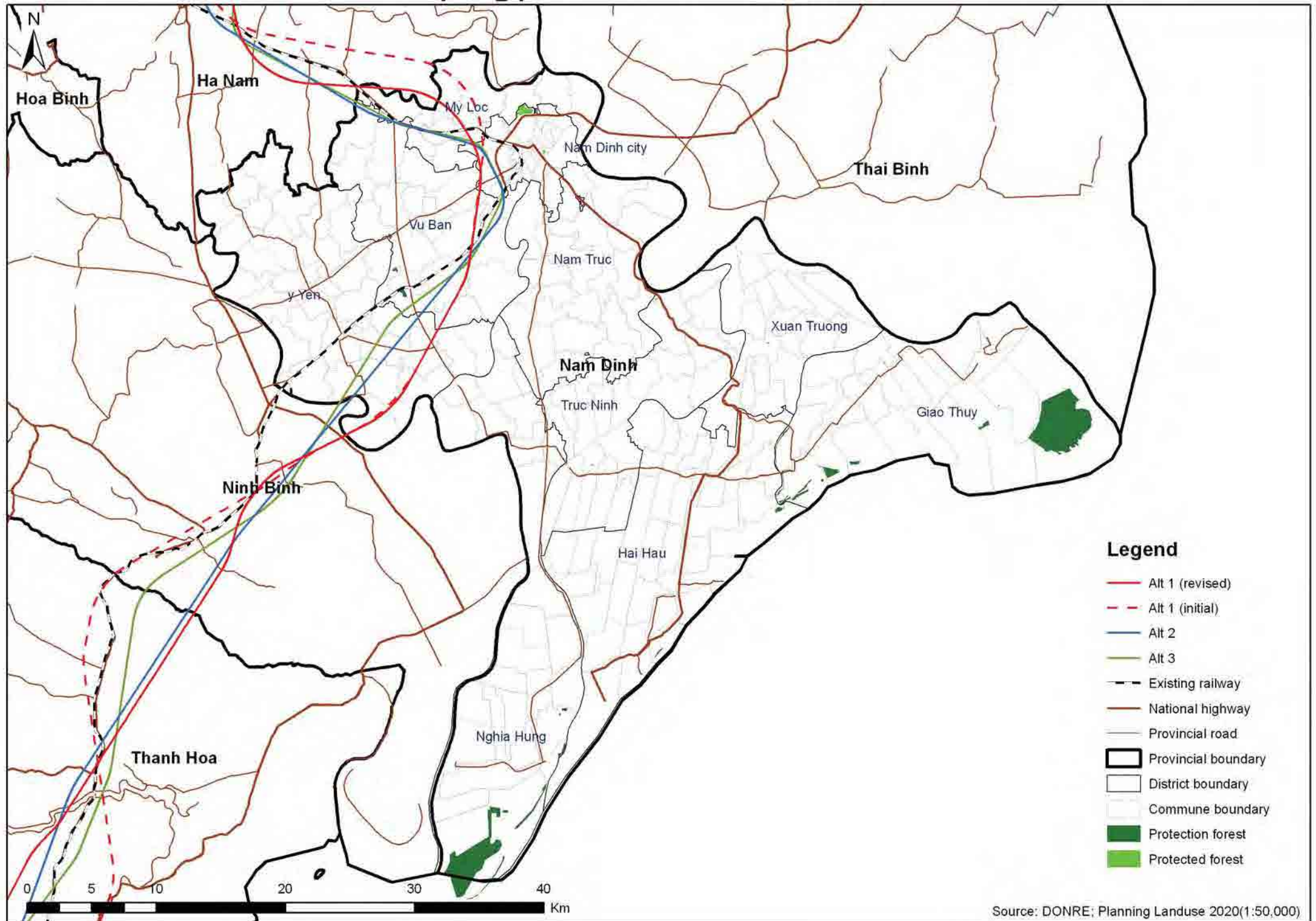
- Alt 1 (revised)
- - - Alt 1 (initial)
- Alt 2
- Alt 3
- - - Existing railway
- National highway
- Provincial road
- ▭ Provincial boundary
- ▭ District boundary
- ▭ Commune boundary
- Protection forest



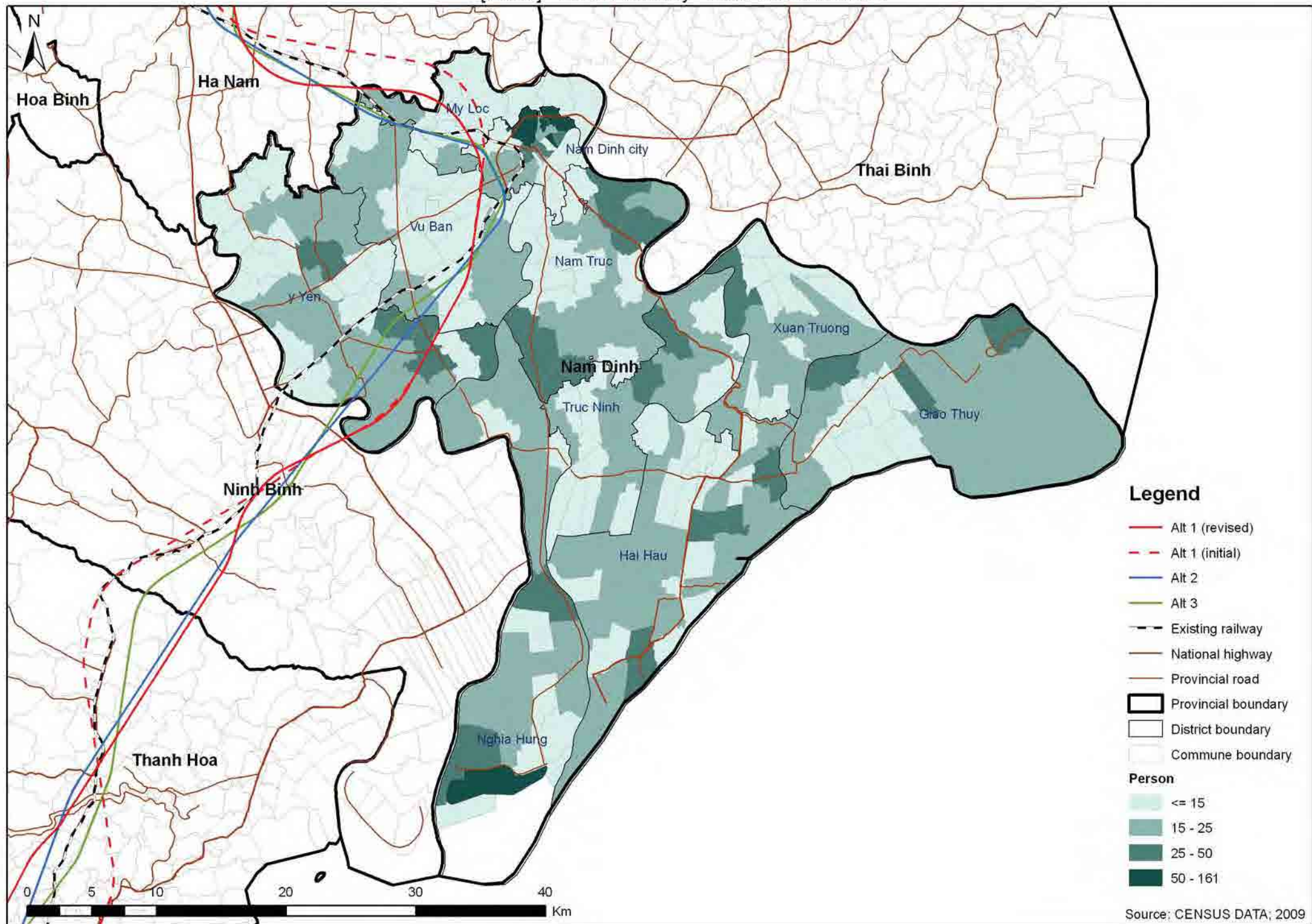
Legend

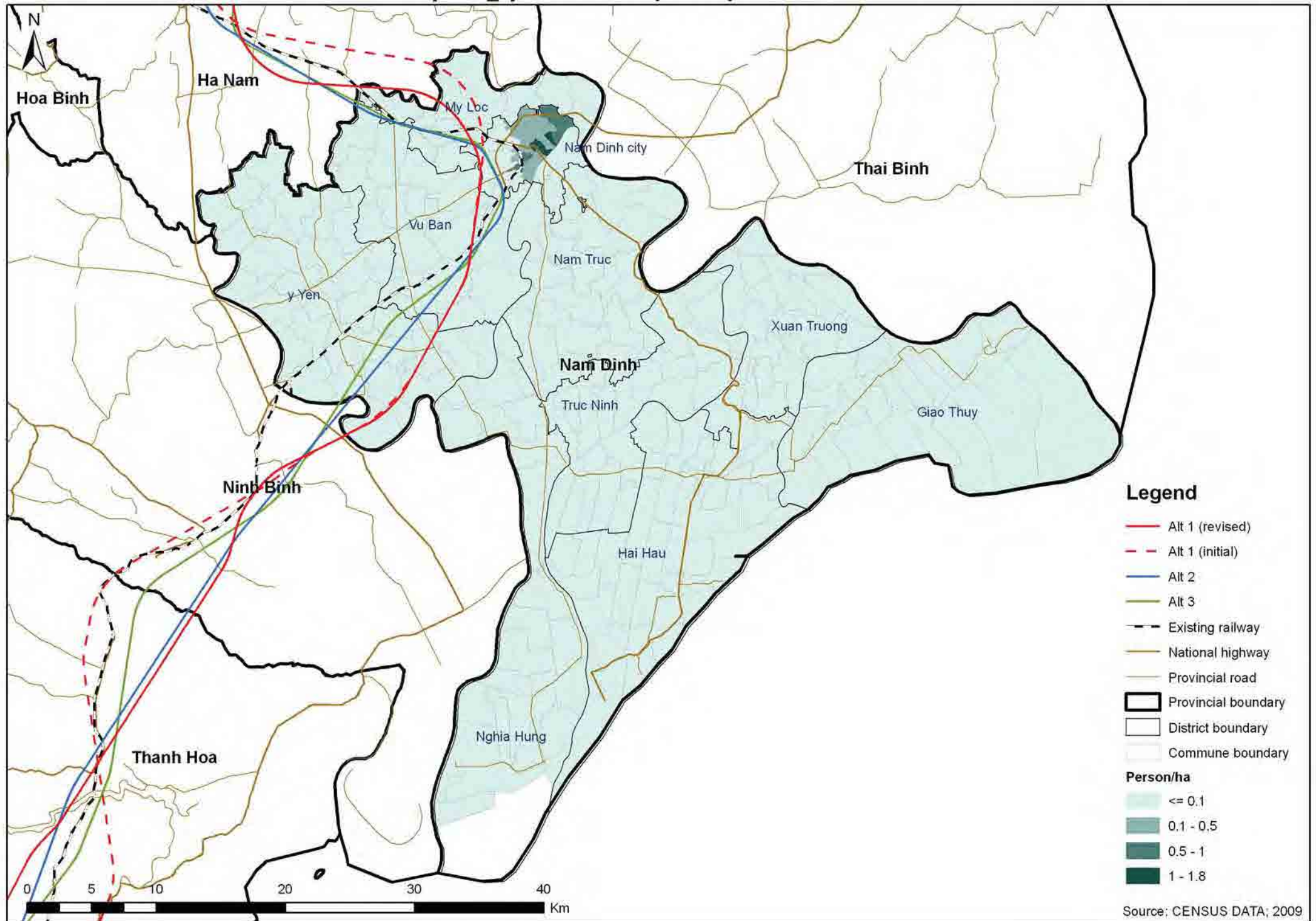
- Alt 1 (revised)
- - - Alt 1 (initial)
- Alt 2
- Alt 3
- - - Existing railway
- National highway
- Provincial road
- ▭ Provincial boundary
- ▭ District boundary
- ▭ Commune boundary
- Protection forest

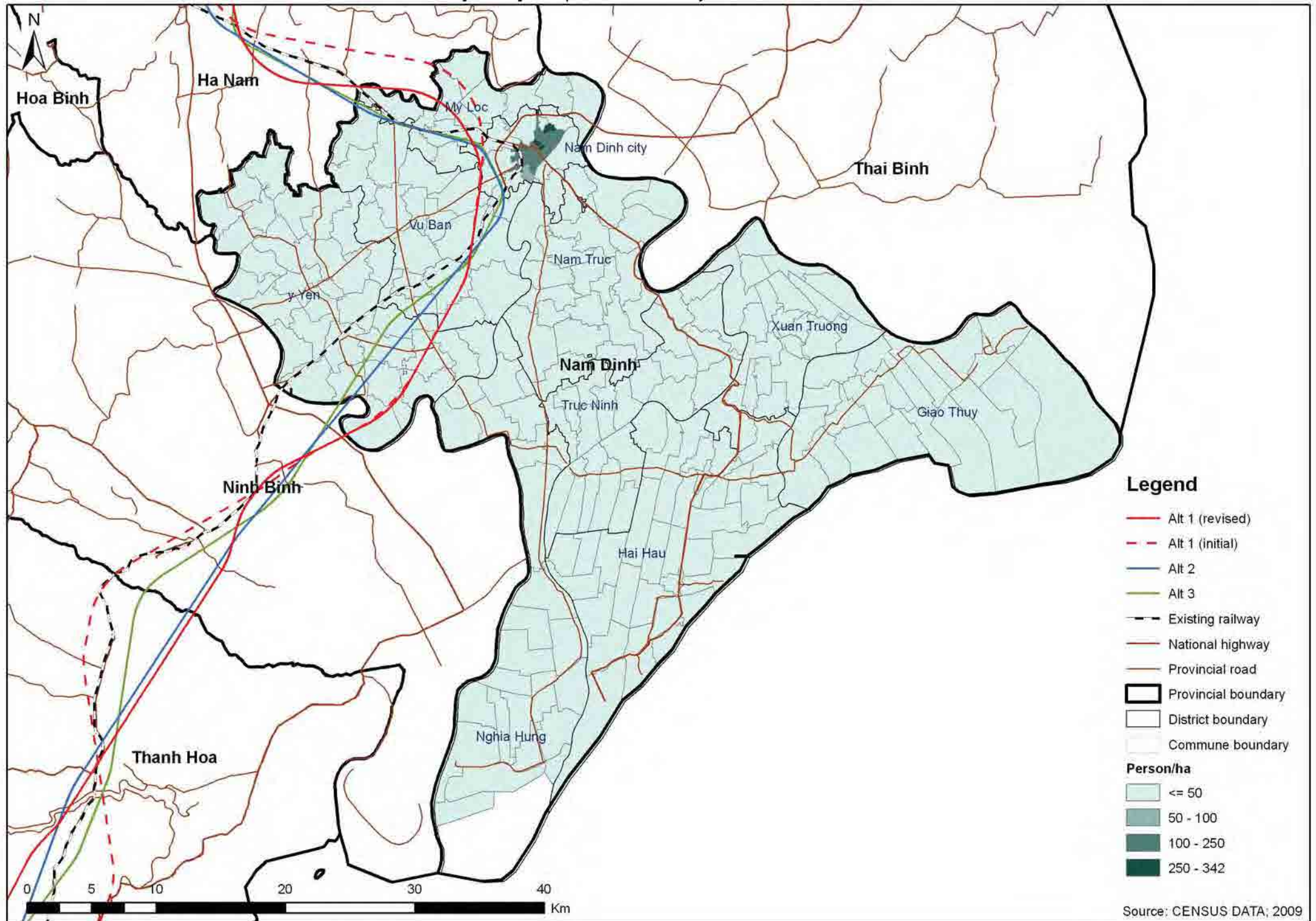
[03.02_2] - Distribution of Forest - Nam Dinh Province

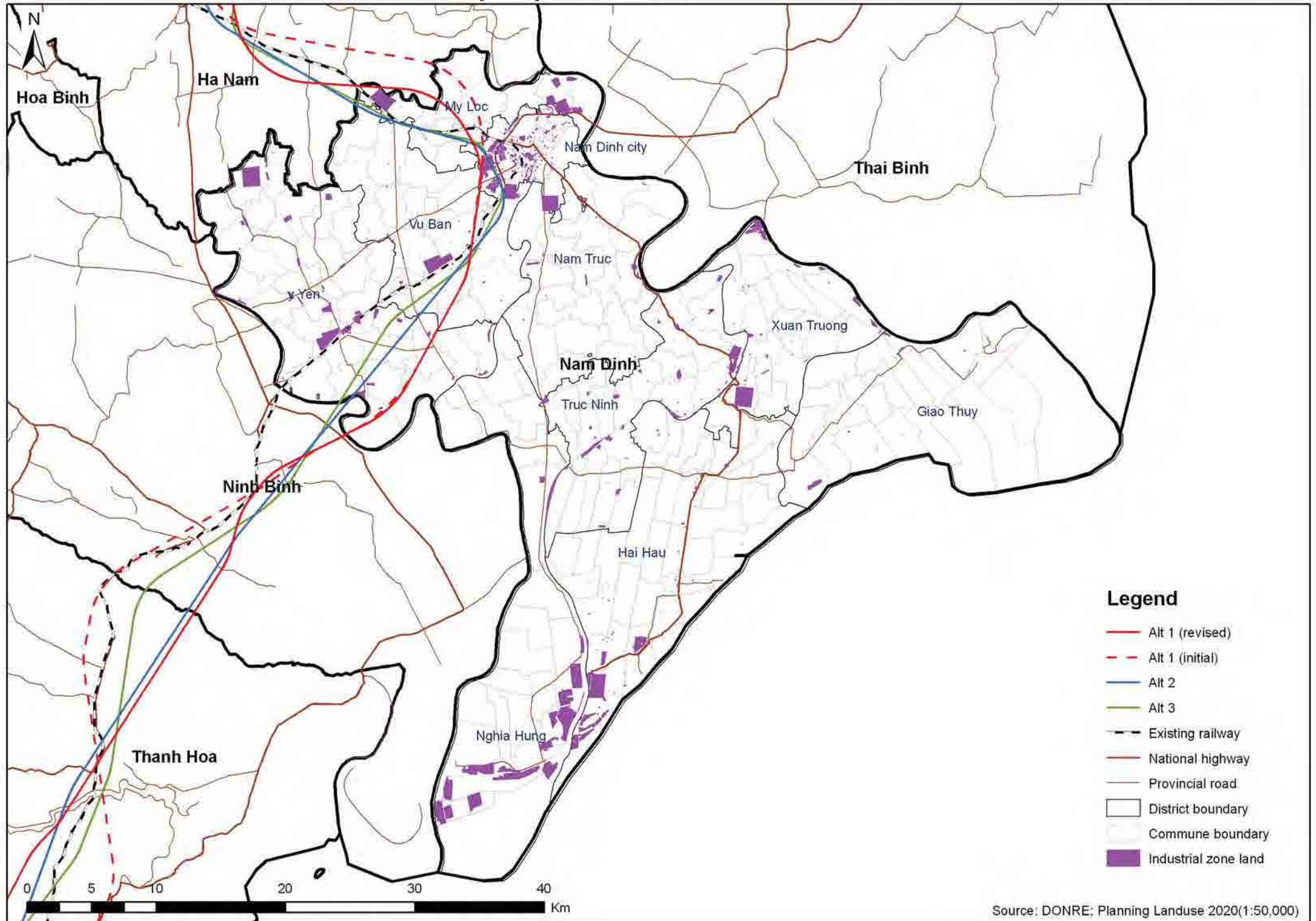


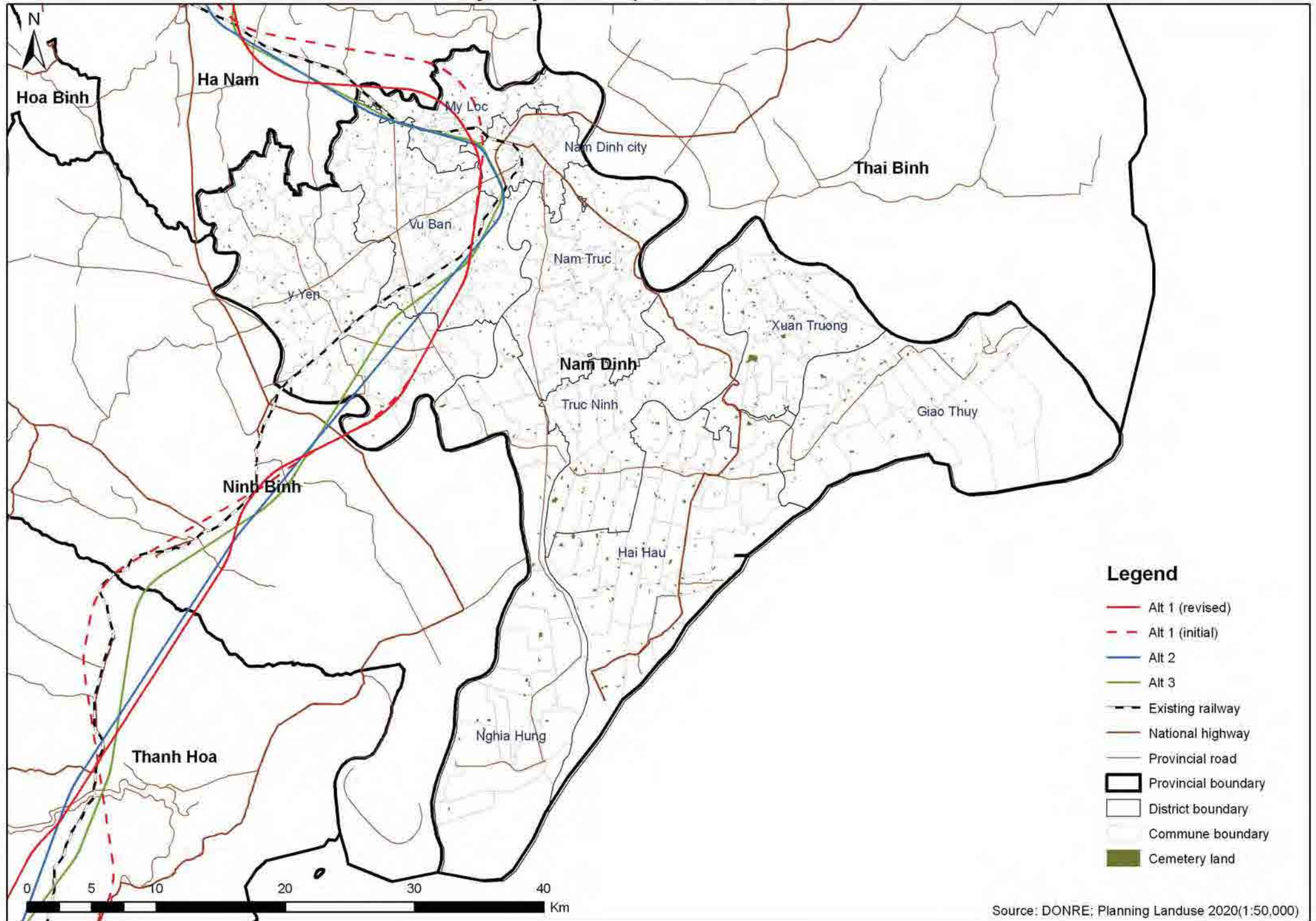
Source: DONRE; Planning Landuse 2020(1:50,000)

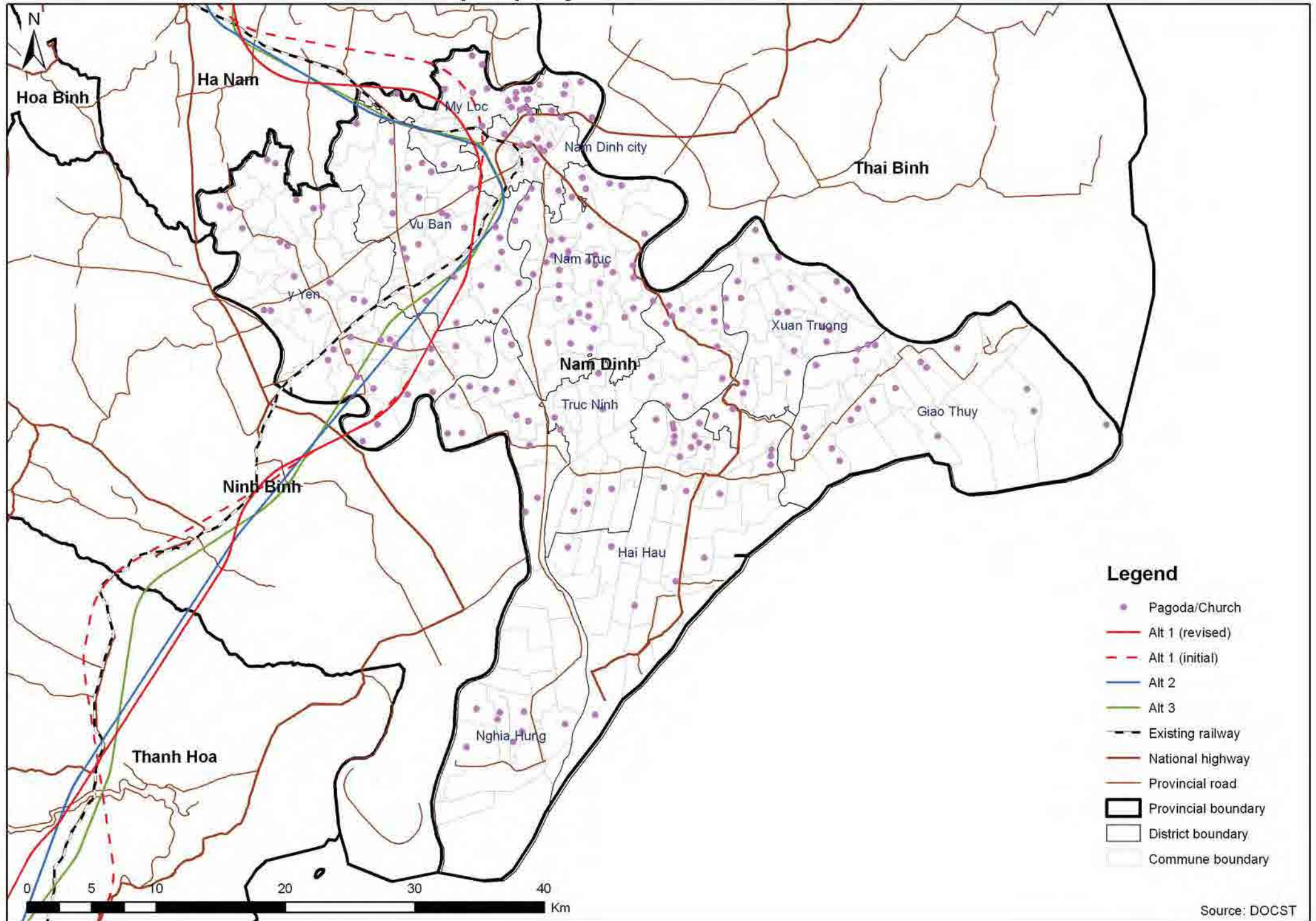






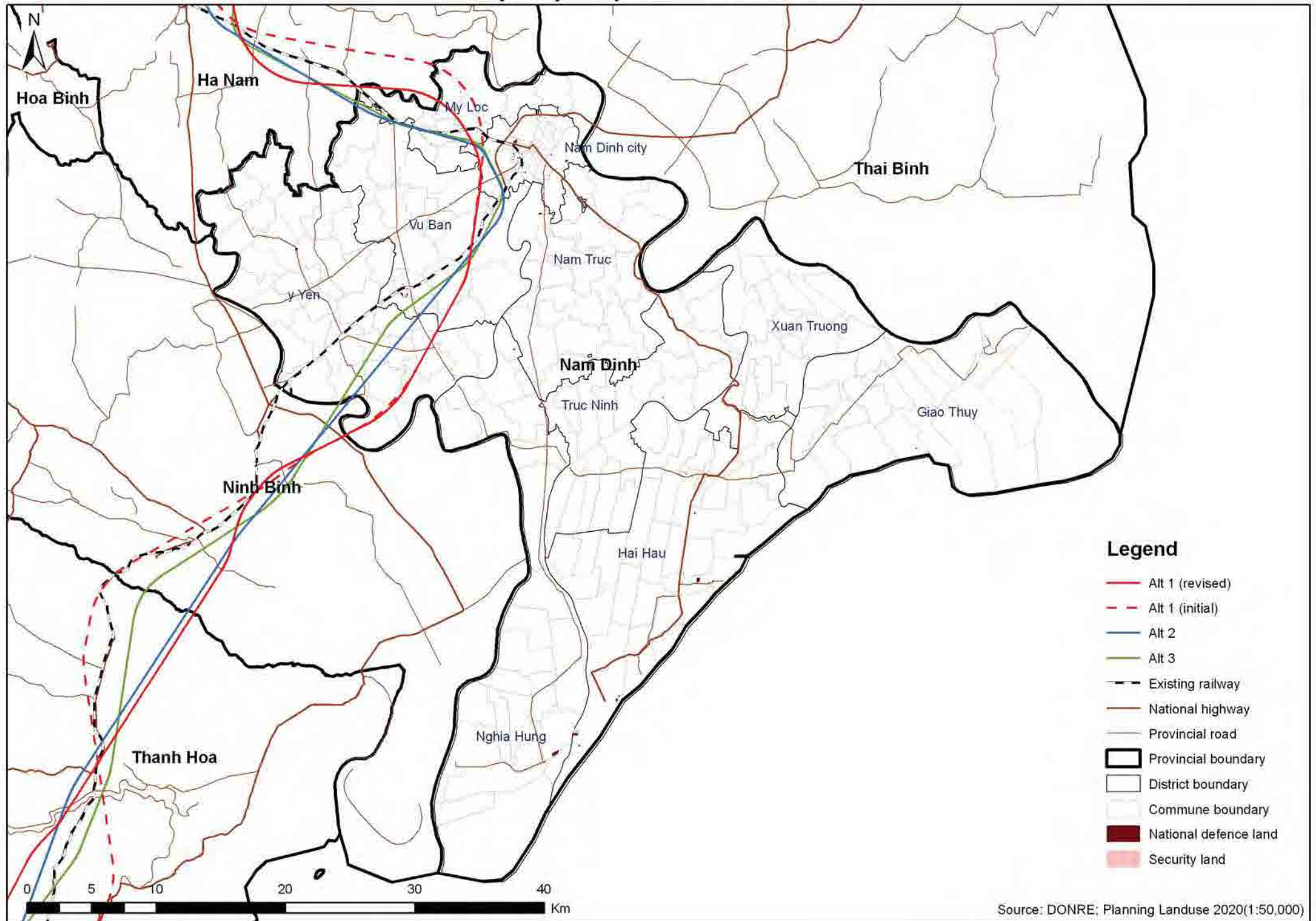


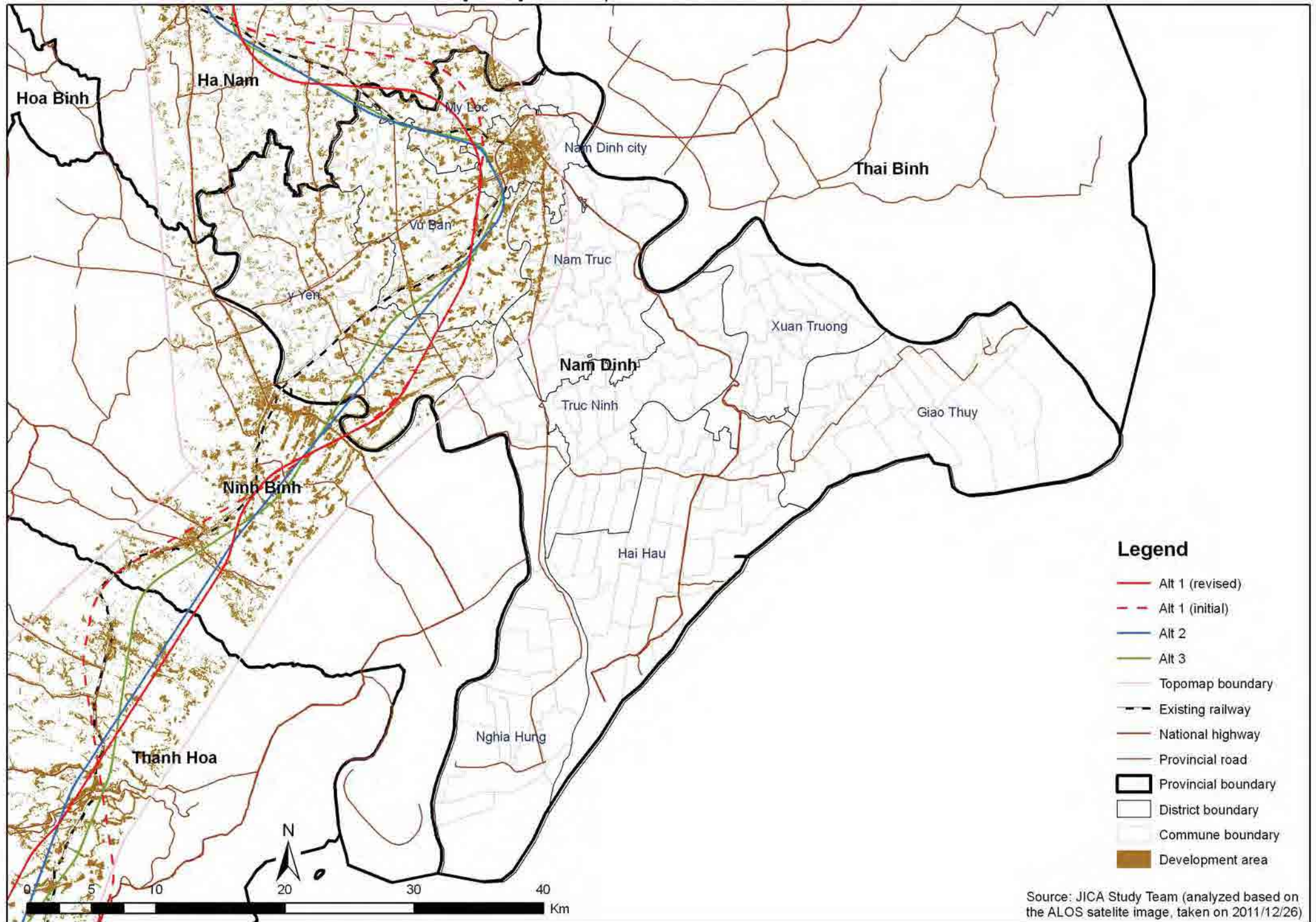


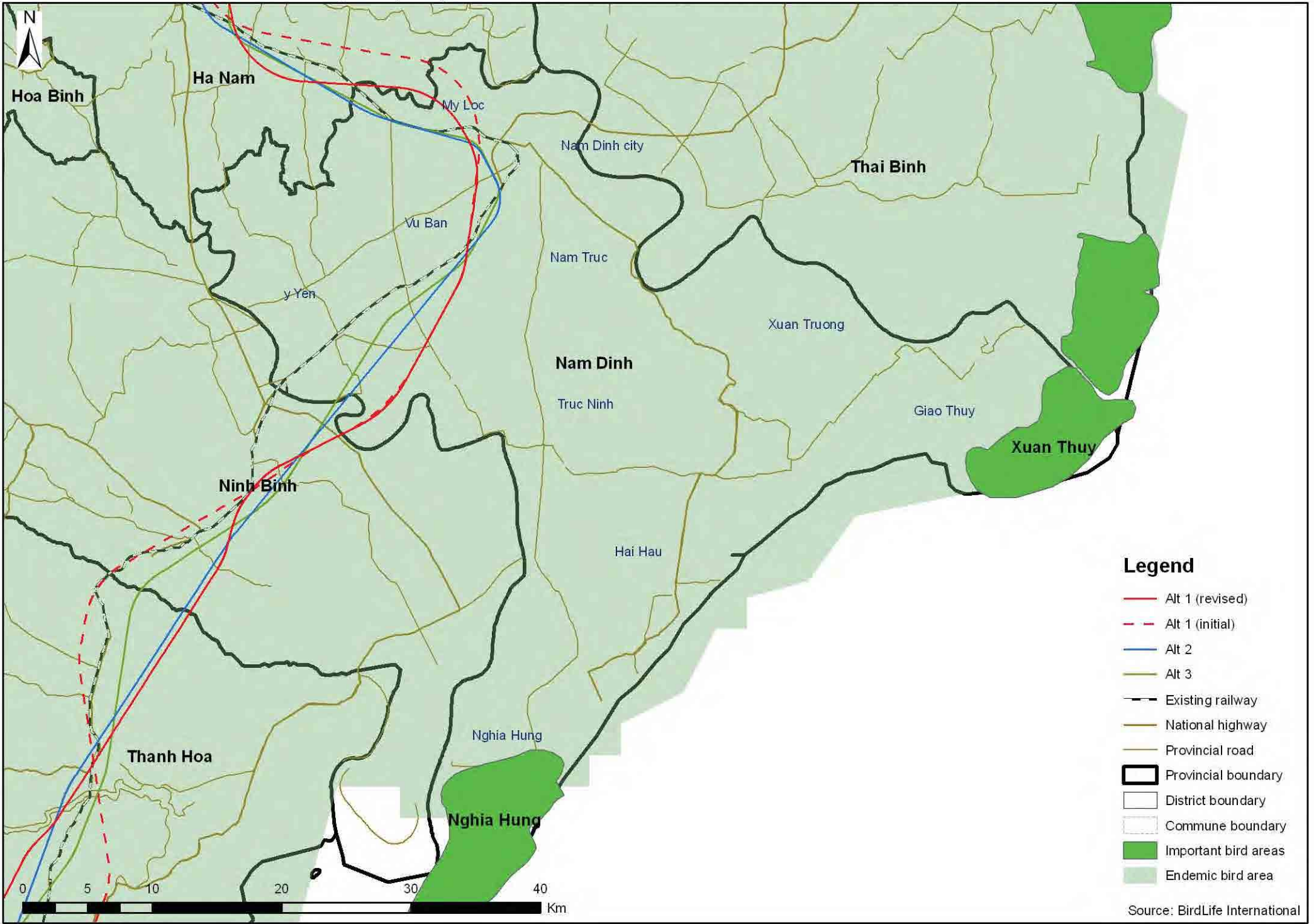


Legend

- Pagoda/Church
- Alt 1 (revised)
- - - Alt 1 (initial)
- Alt 2
- Alt 3
- - - Existing railway
- National highway
- Provincial road
- ▭ Provincial boundary
- ▭ District boundary
- ▭ Commune boundary





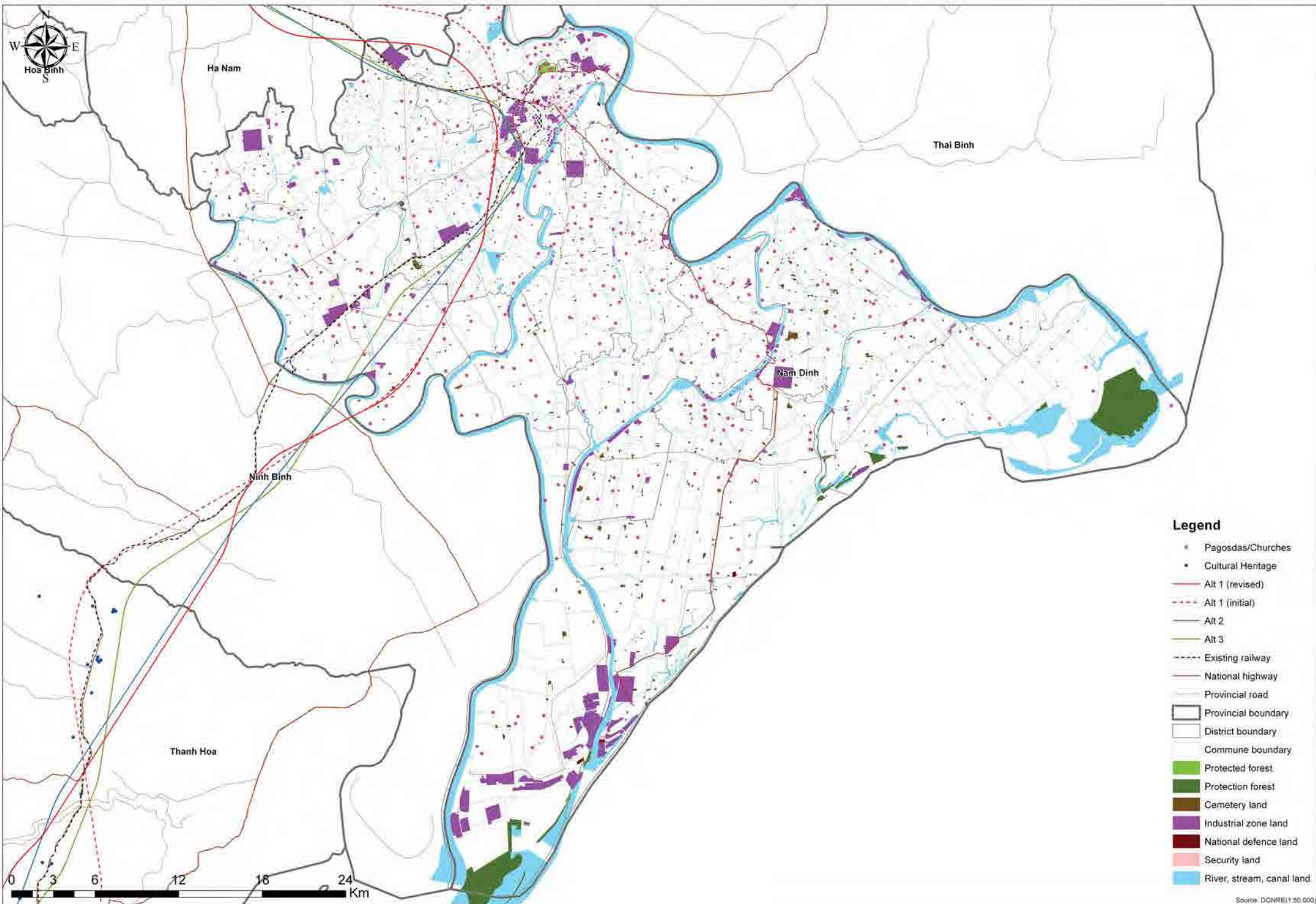


Legend

- Alt 1 (revised)
- - - Alt 1 (initial)
- Alt 2
- Alt 3
- - - Existing railway
- National highway
- Provincial road
- ▭ Provincial boundary
- ▭ District boundary
- ▭ Commune boundary
- Important bird areas
- Endemic bird area

Source: BirdLife International

[03.16] - Overlaid Environmental Sensitivity Map - Nam Dinh Province



Legend

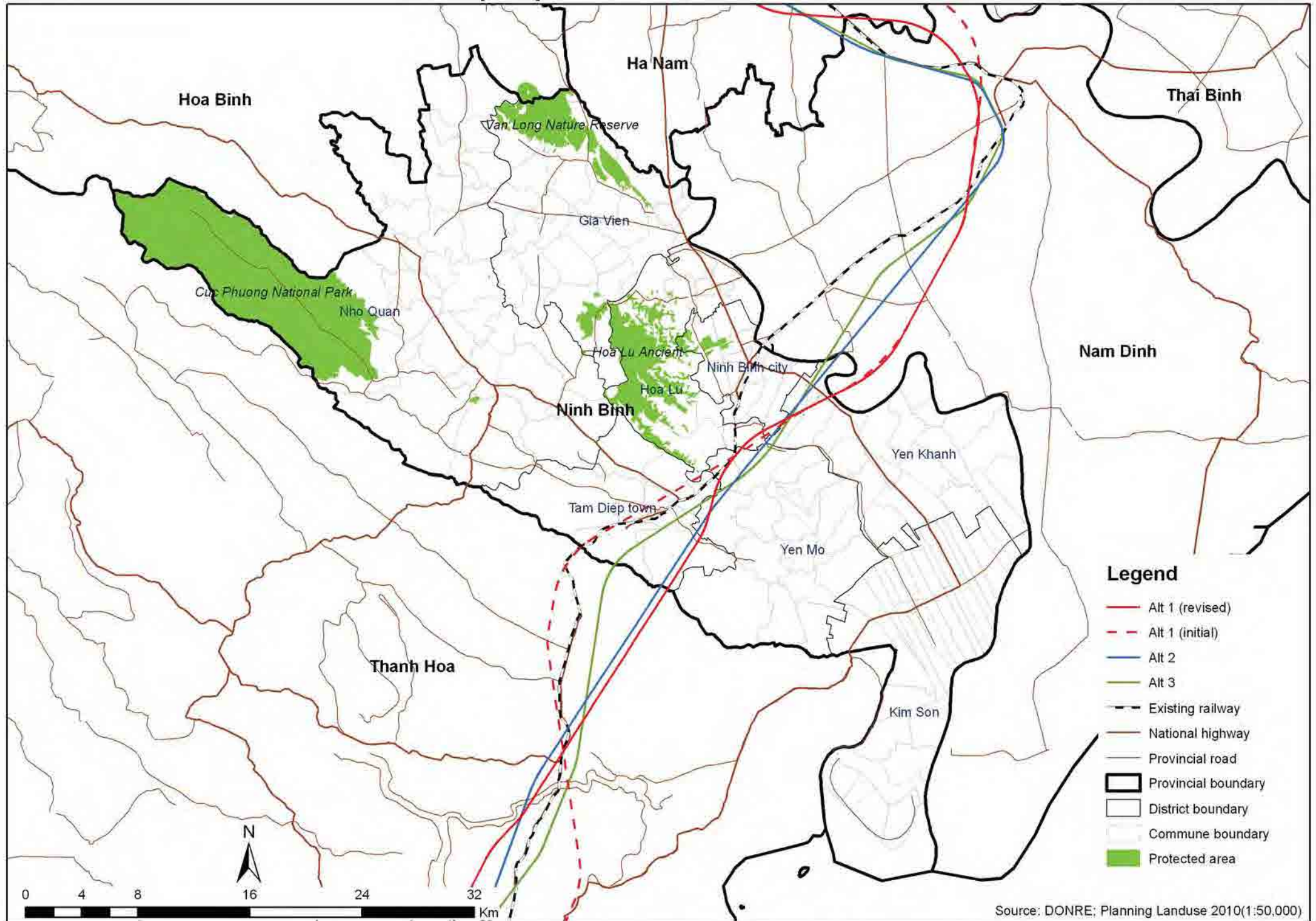
- Pagodas/Churches
- Cultural Heritage
- Alt 1 (revised)
- - - Alt 1 (initial)
- Alt 2
- Alt 3
- - - Existing railway
- National highway
- Provincial road
- ▭ Provincial boundary
- ▭ District boundary
- ▭ Commune boundary
- Protected forest
- Protection forest
- Cemetery land
- Industrial zone land
- National defence land
- Security land
- River, stream, canal land

NINH BINH PROVINCE

04.01	Protected Area
04.02	Protection and Production Forest
04.02_2	Distribution of Forest
04.03	Flood Prone
04.07	Ethnic Minority
04.07_2	Ethnic Minority Density
04.08	Population Density
04.09	Industrial Zone
04.10	Cemetery Land
04.11	Pagodas/Churches
04.12	Army Area
04.13	Development Area
04.15	Important Bird Areas and Endemic Bird Areas
04.16	Overlaid Environmental Sensitivity Map

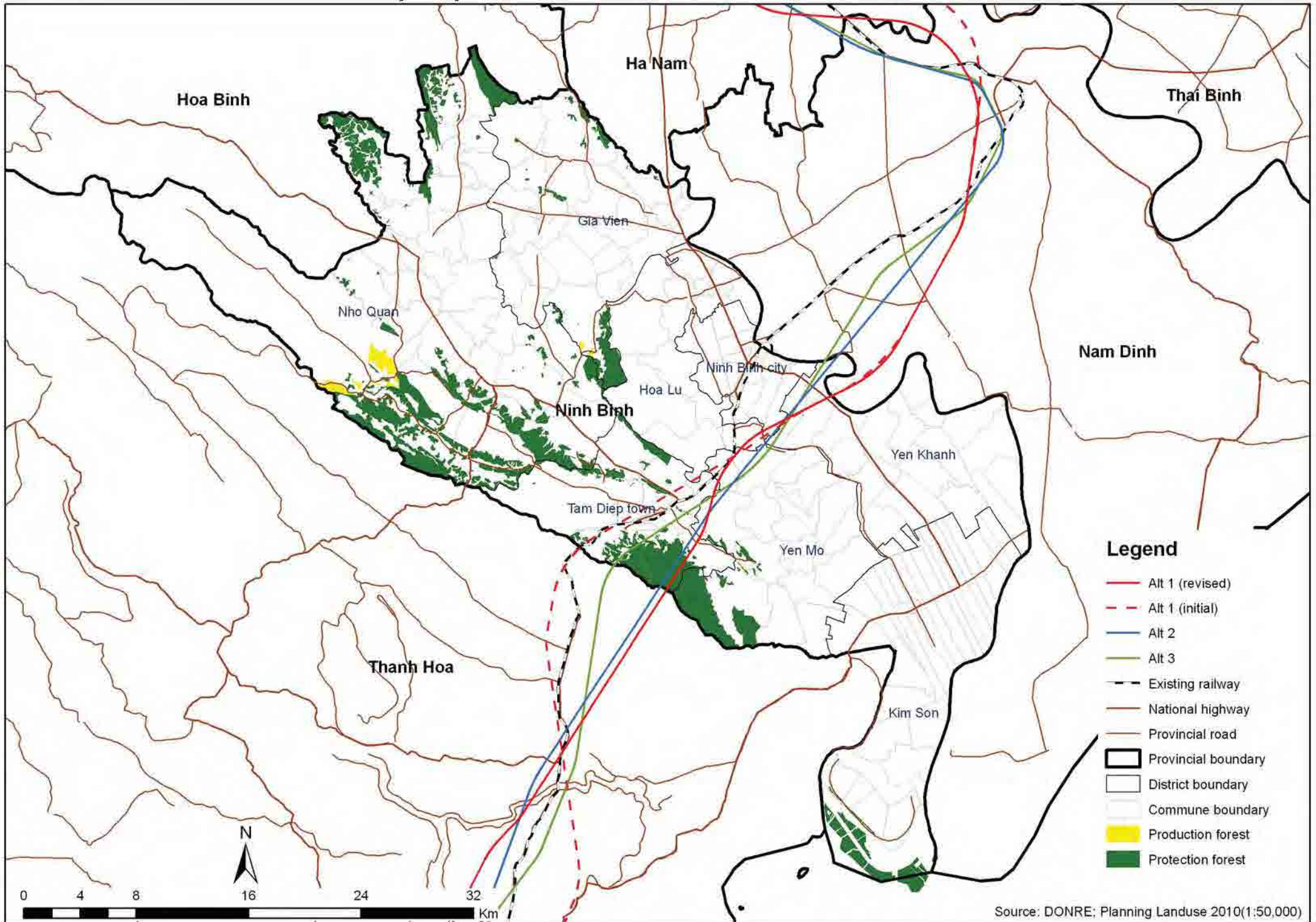
*Missing number(s) means there was no data available to prepare the map.

[04.01] - Protected Area - Ninh Binh Province

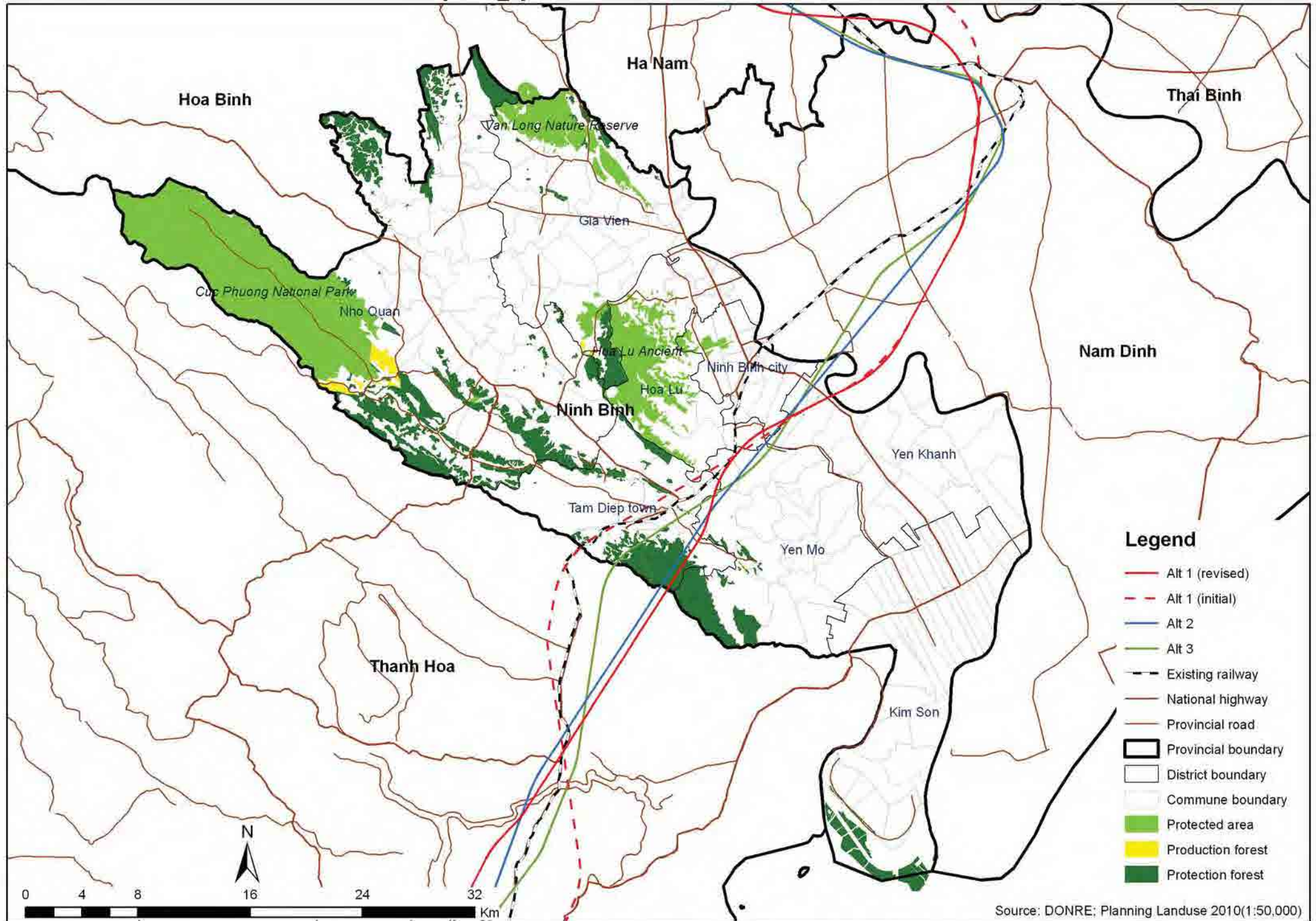


Source: DONRE; Planning Landuse 2010(1:50,000)

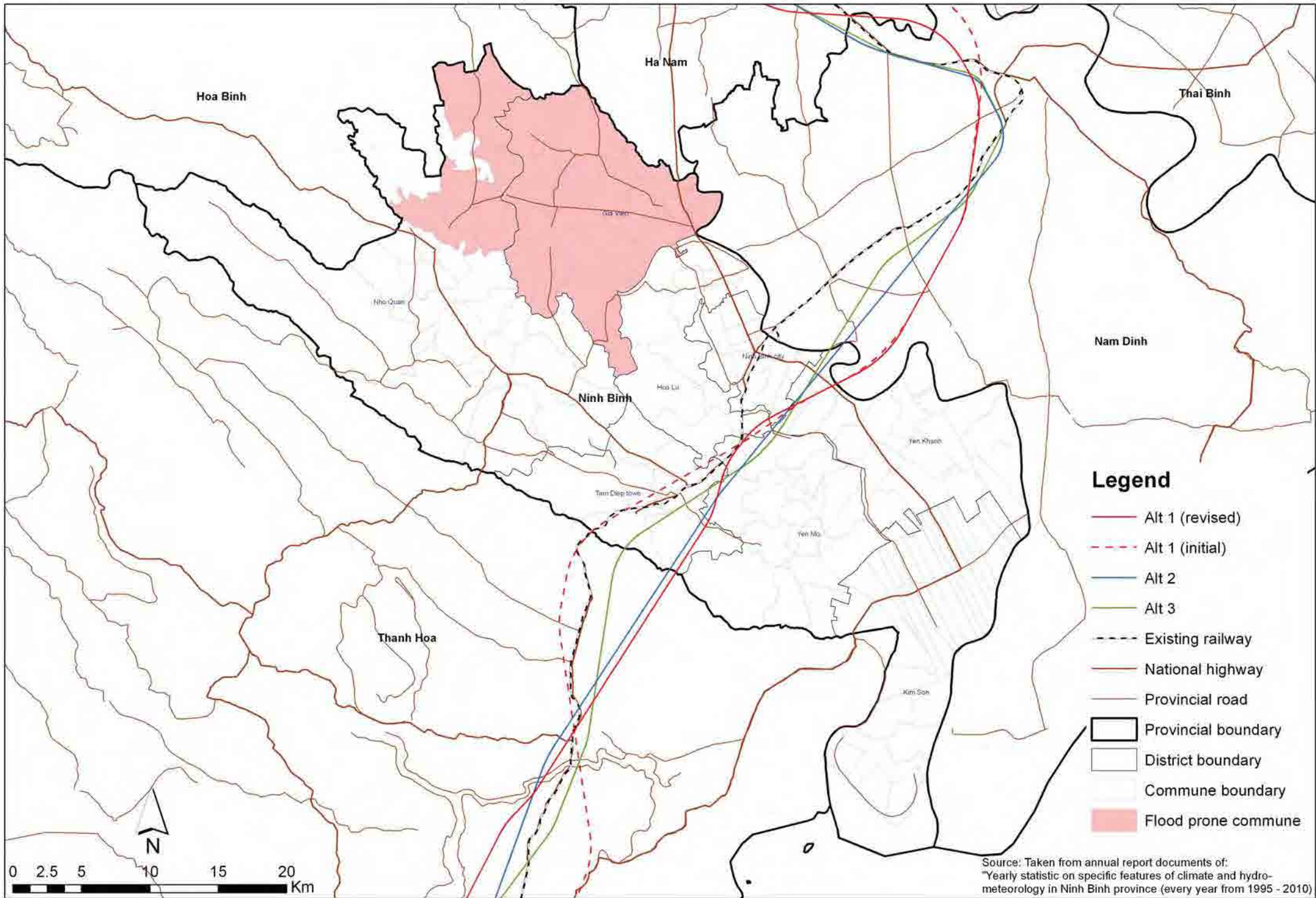
[04.02] - Protection and Production Forest - Ninh Binh Province



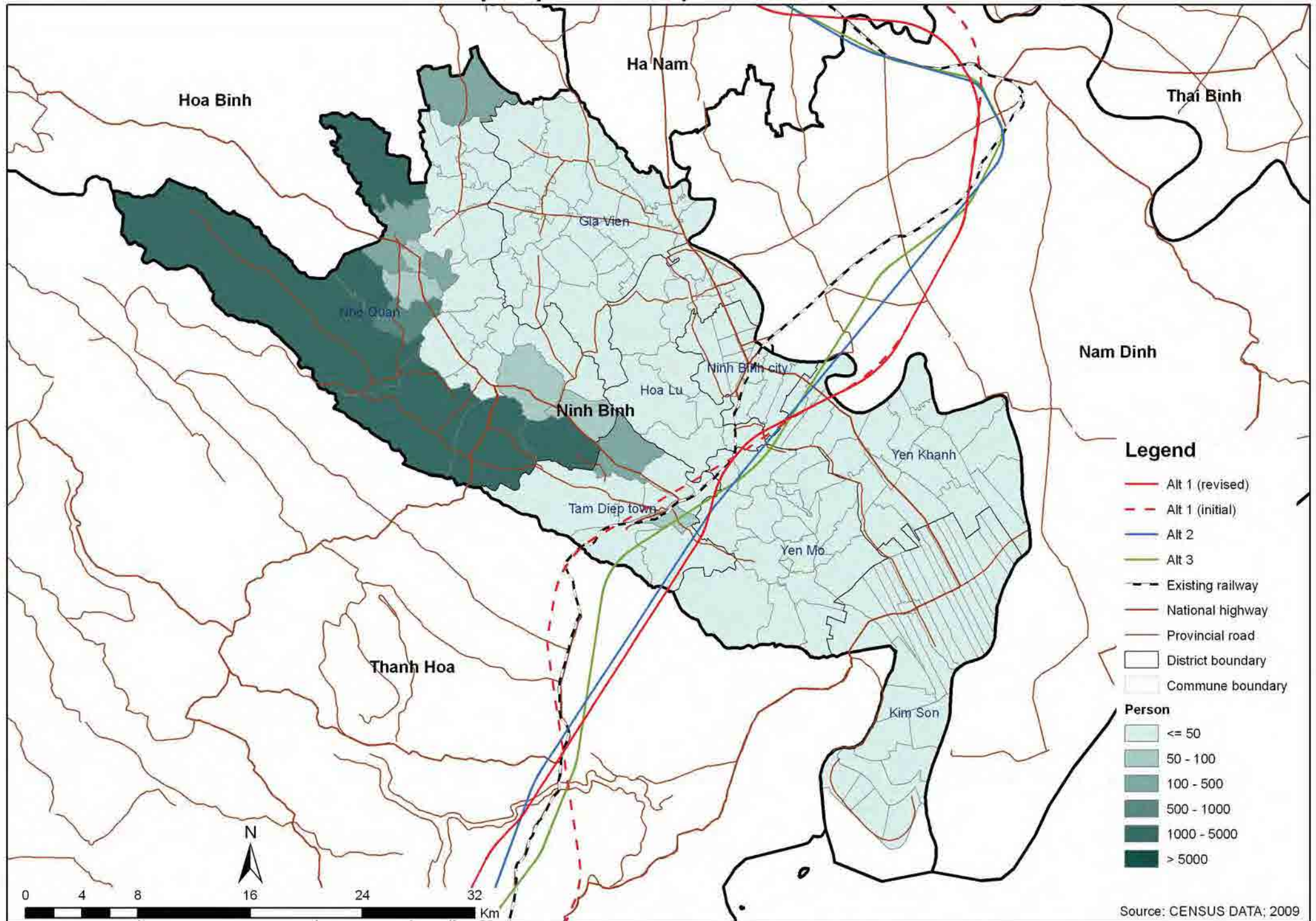
[04.02_2] - Distribution of Forest - Ninh Binh Province



[04.03] - Flood Prone - Ninh Binh Province



[04.07] - Ethnic Minority - Ninh Binh Province

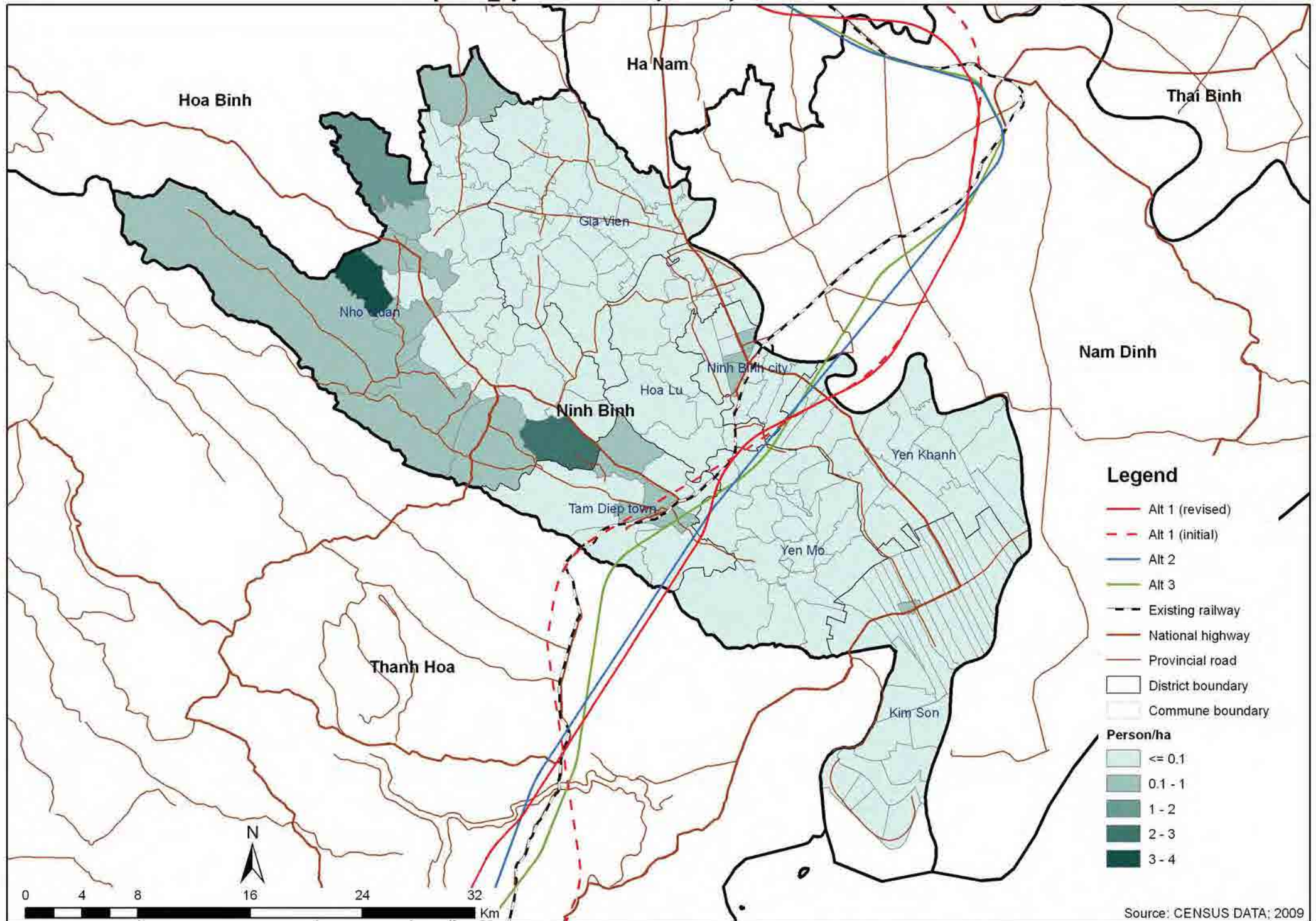


- Legend**
- Alt 1 (revised)
 - - - Alt 1 (initial)
 - Alt 2
 - Alt 3
 - - - Existing railway
 - National highway
 - Provincial road
 - District boundary
 - Commune boundary

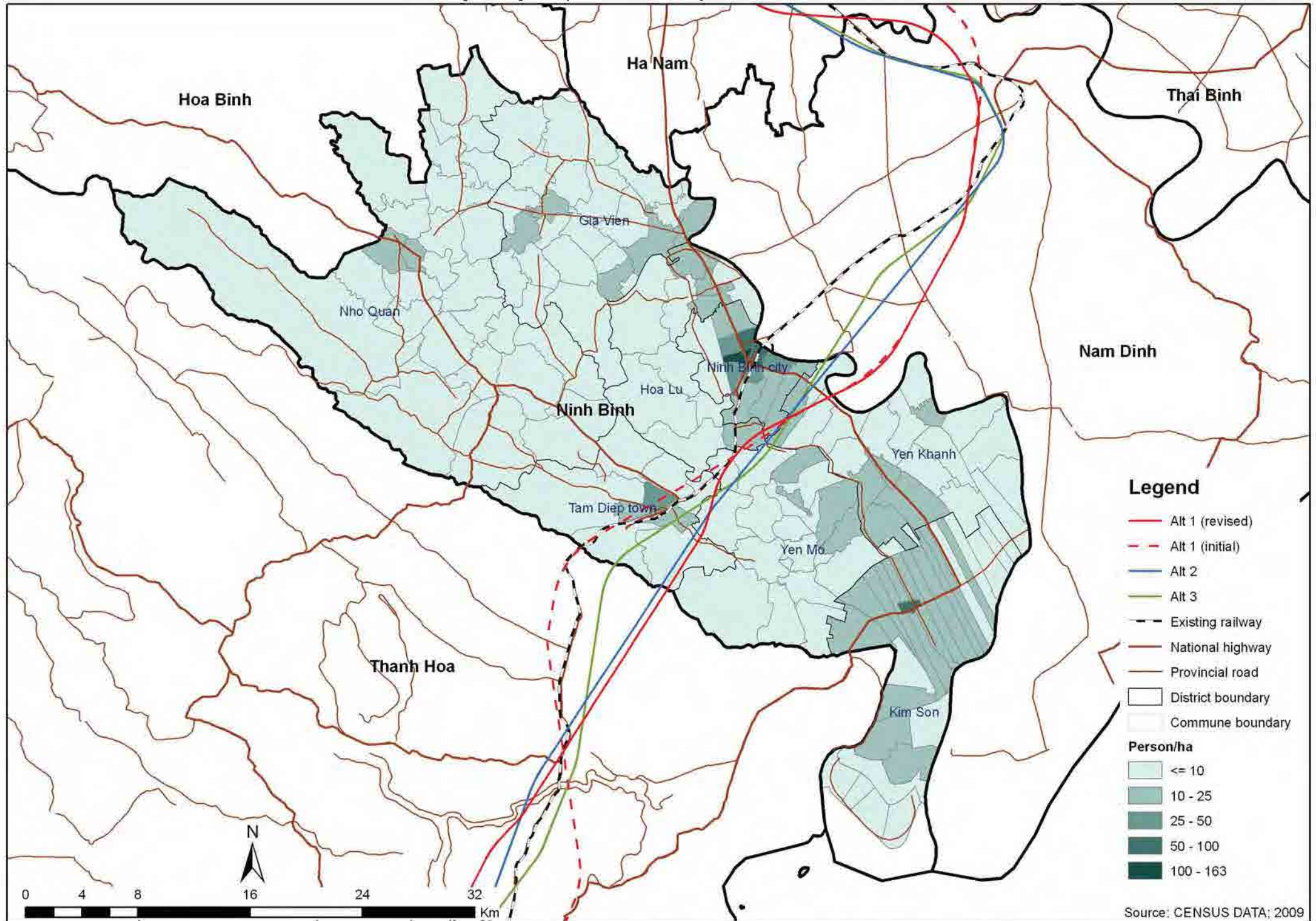
- Person**
- <= 50
 - 50 - 100
 - 100 - 500
 - 500 - 1000
 - 1000 - 5000
 - > 5000

Source: CENSUS DATA; 2009

[04.07_2] - Ethnic Minority Density - Ninh Binh Province

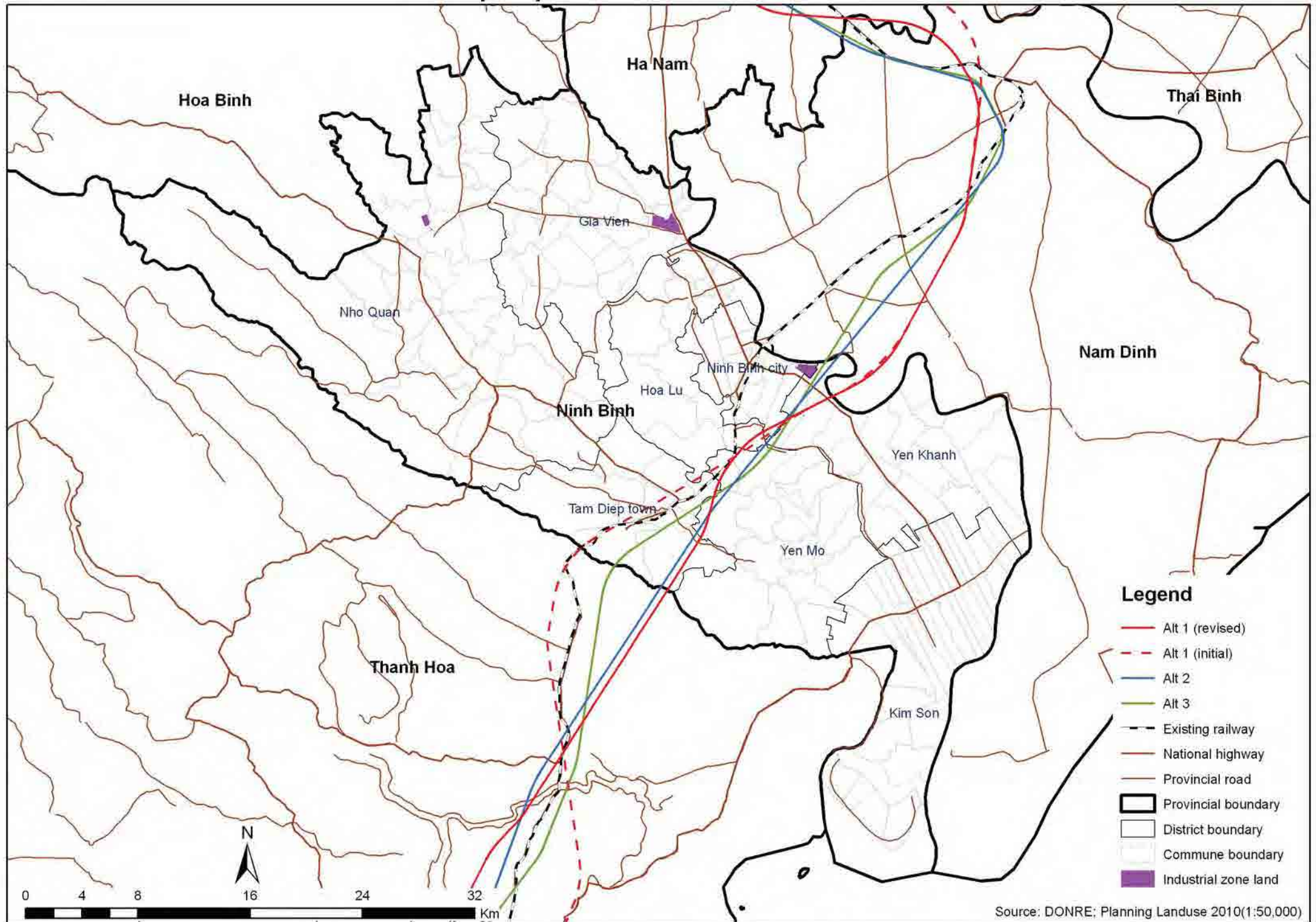


[04.08] - Population Density - Ninh Binh Province



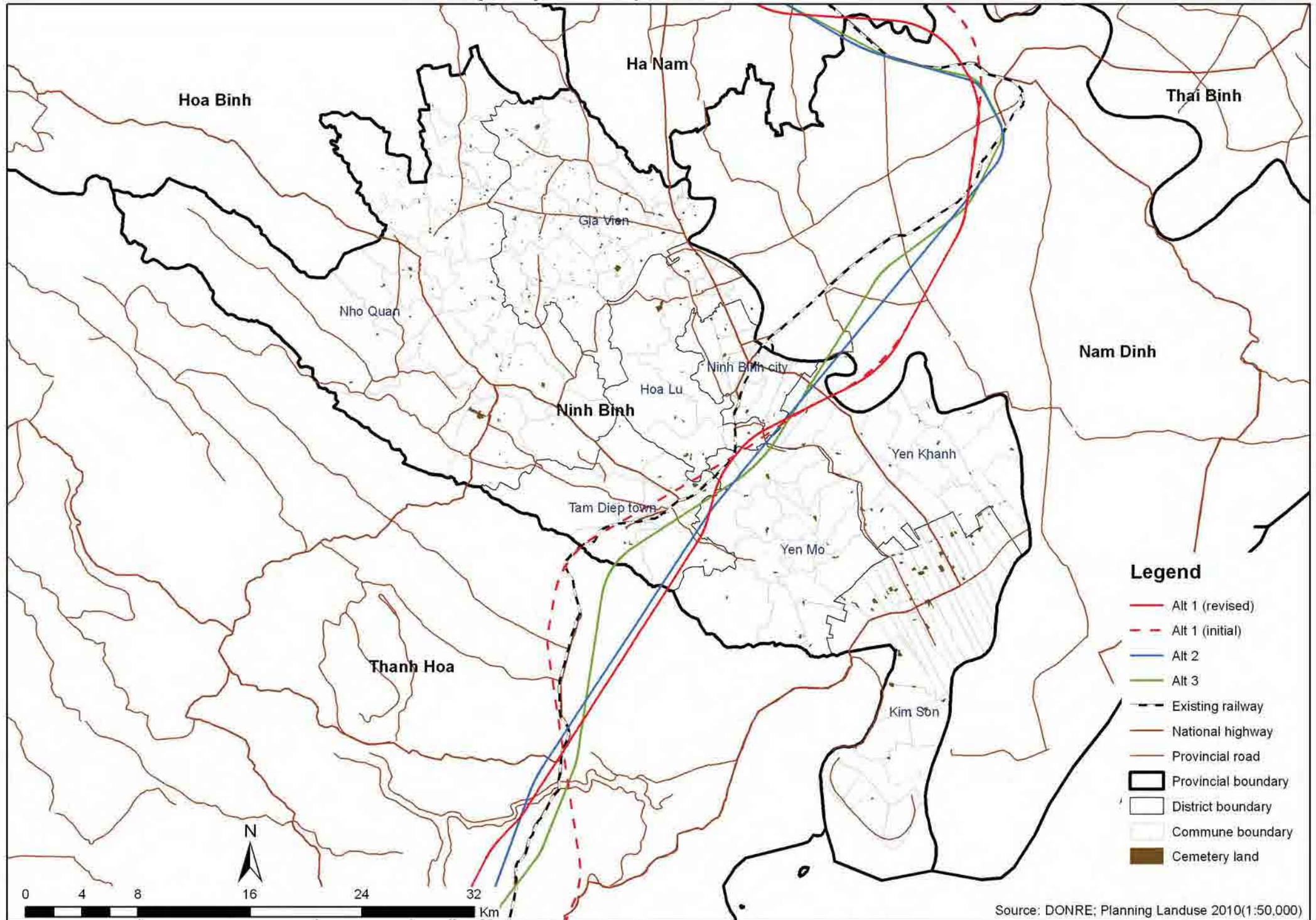
Source: CENSUS DATA; 2009

[04.09] - Industrial Zone - Ninh Binh Province

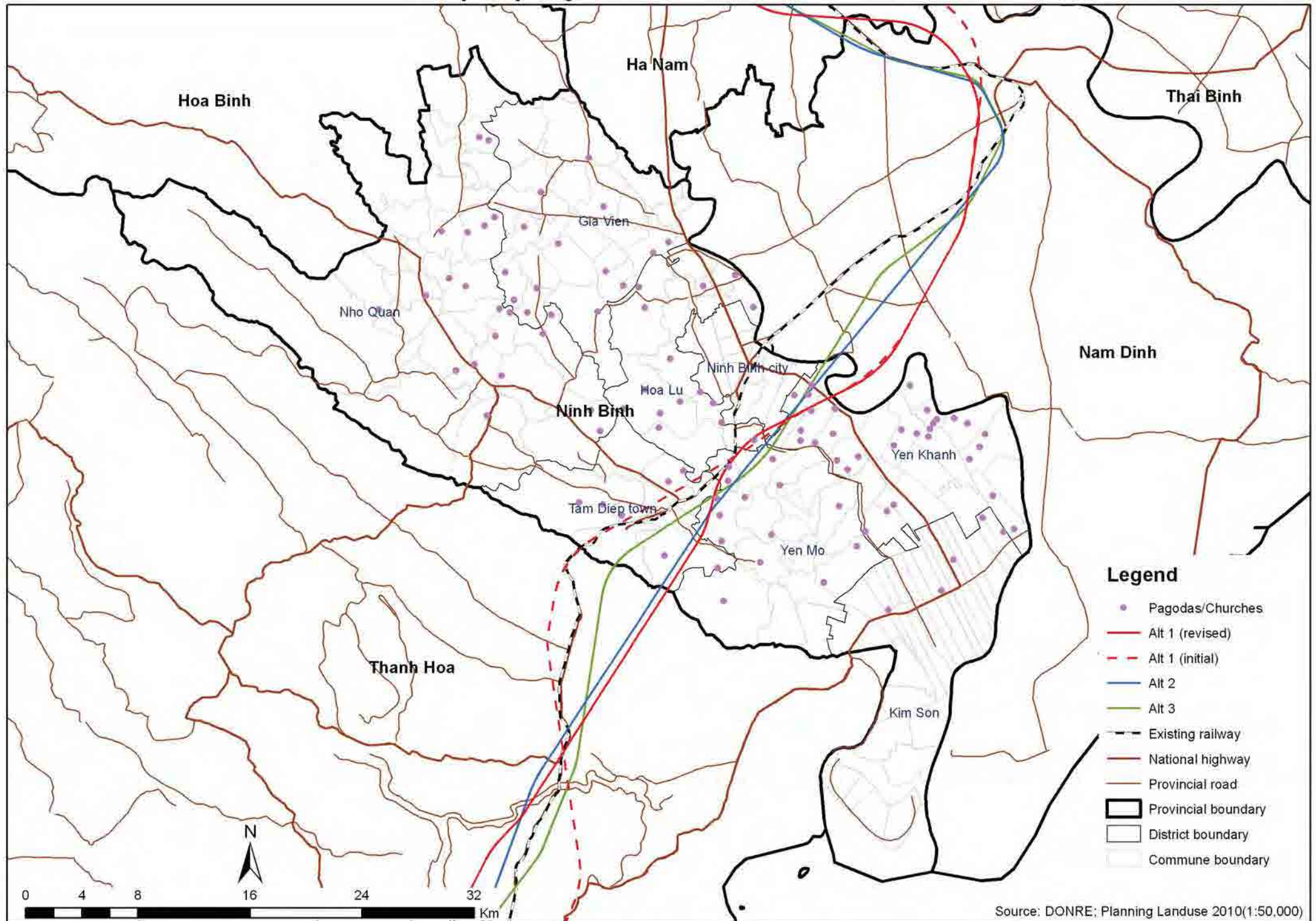


Source: DONRE; Planning Landuse 2010(1:50,000)

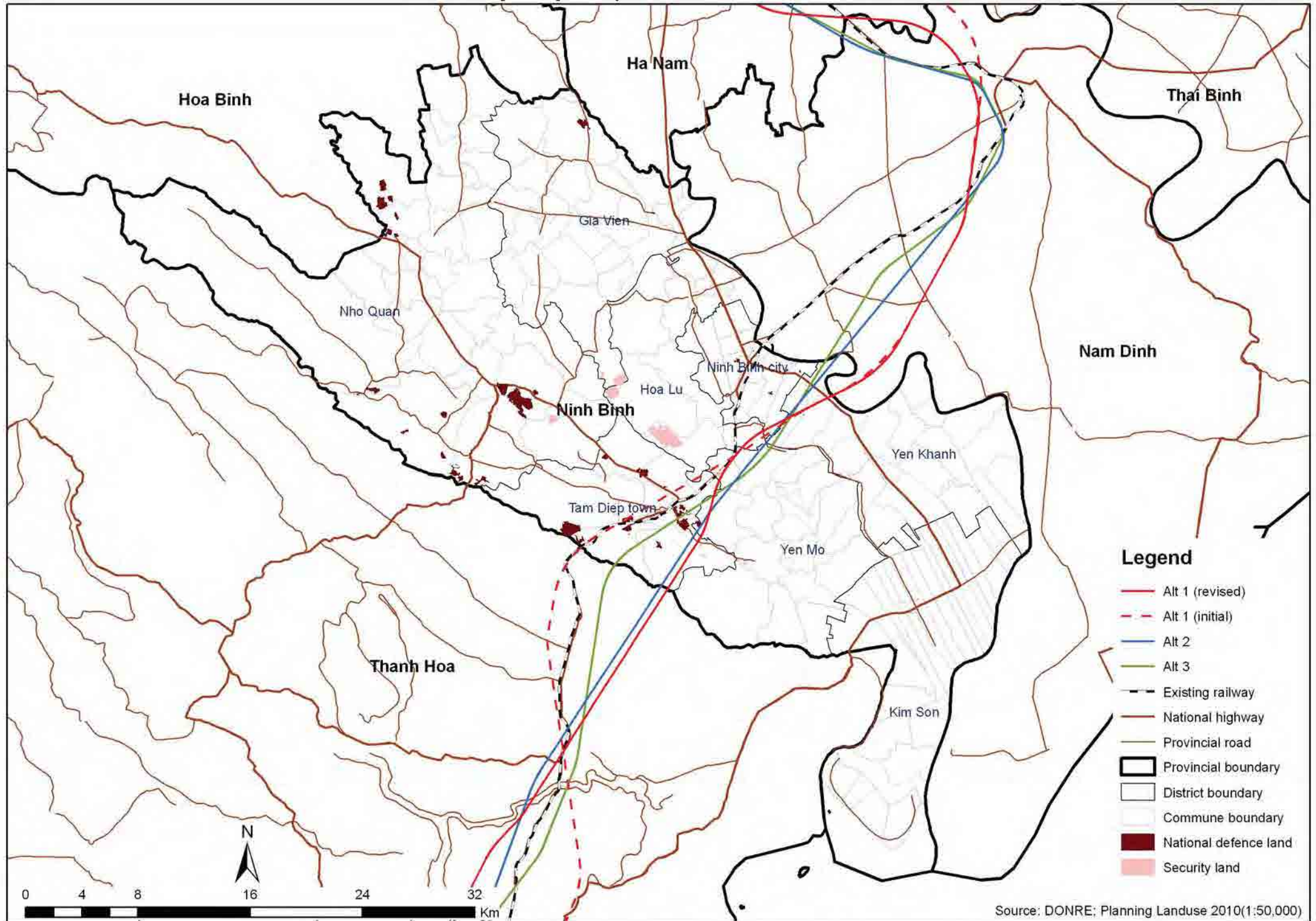
[04.10] - Cemetery Land - Ninh Binh Province



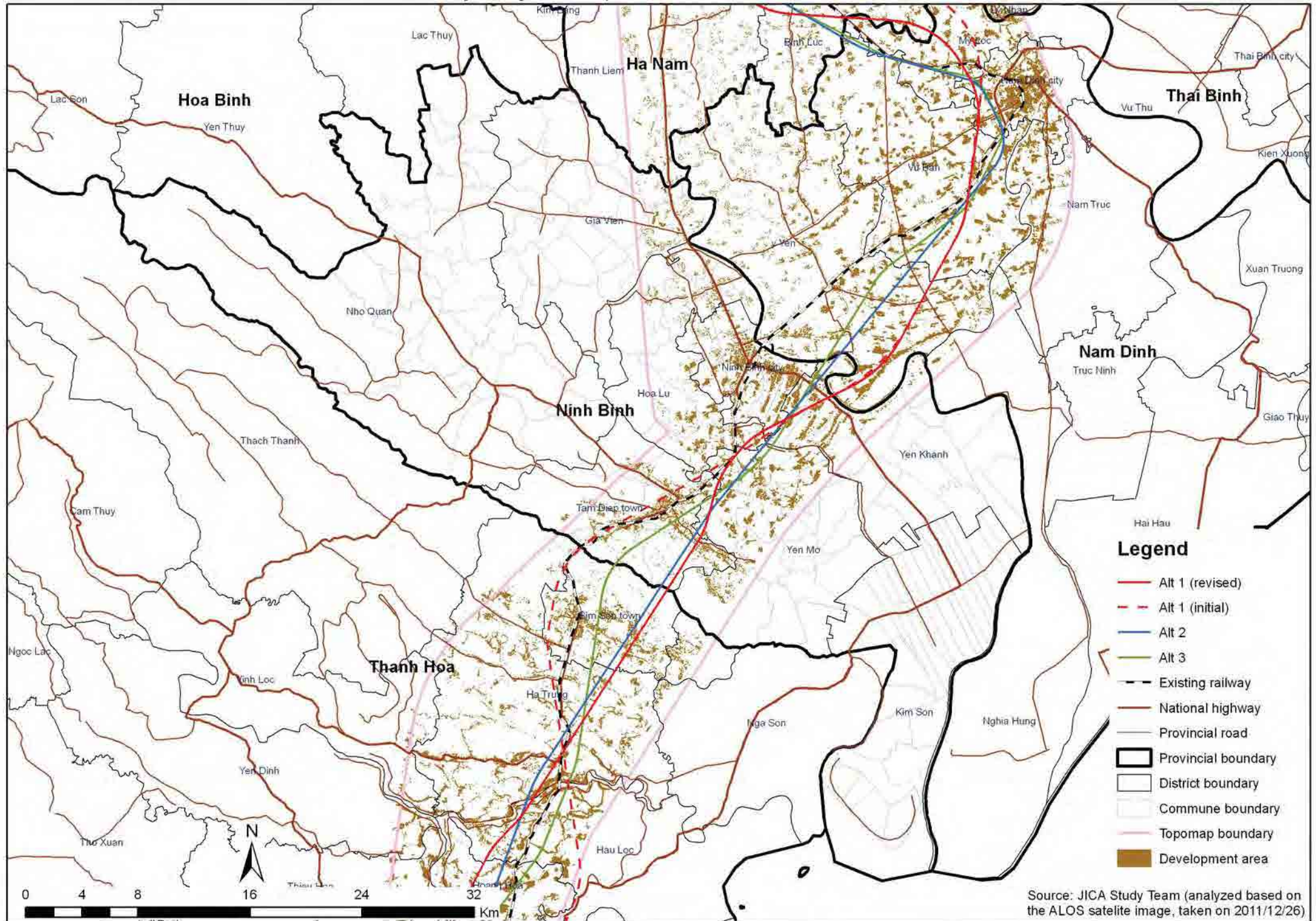
[04.11] - Pagodas/Churches - Ninh Binh Province



[04.12] - Army Area - Ninh Binh Province

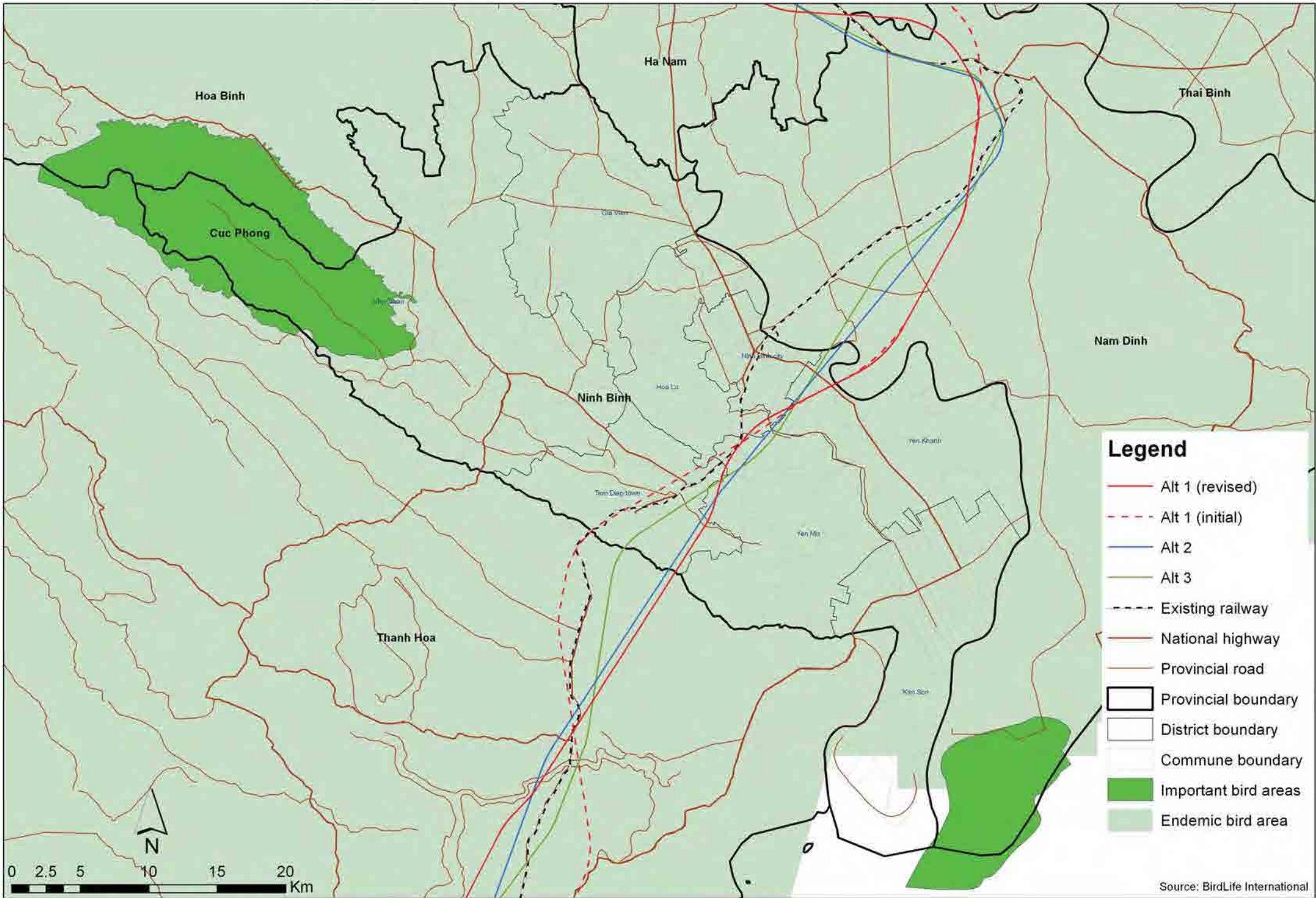


[04.13] - Development Area - Ninh Binh Province

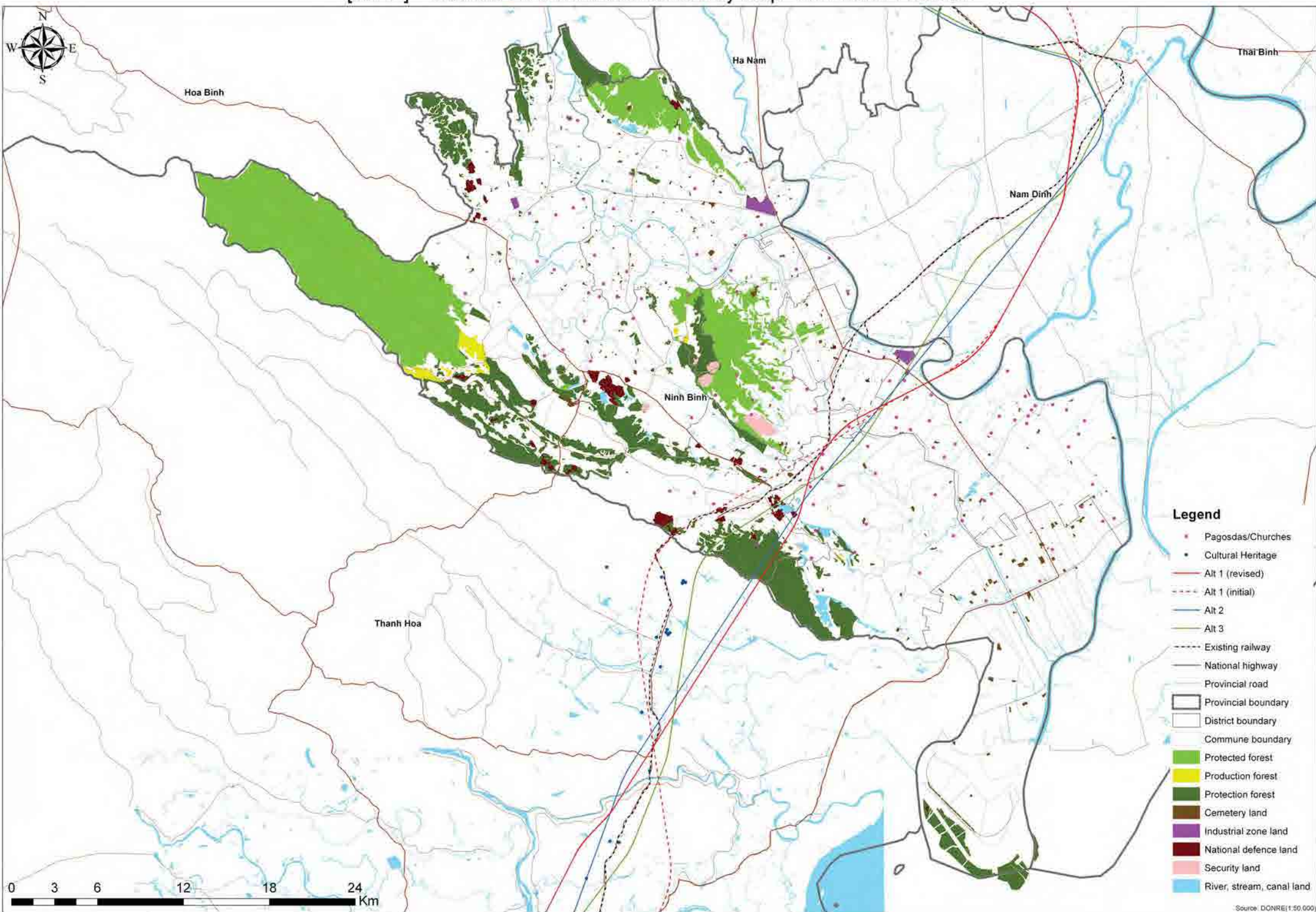


Source: JICA Study Team (analyzed based on the ALOS satellite image, taken on 2011/12/26)

[04.15] - Important Bird Areas and Endemic Bird Areas - Ninh Binh Province



[04.16] - Overlaid Environmental Sensitivity Map - Ninh Binh Province



Legend

- Pagodas/Churches
- Cultural Heritage
- Alt 1 (revised)
- - - Alt 1 (initial)
- Alt 2
- Alt 3
- - - Existing railway
- National highway
- Provincial road
- ▭ Provincial boundary
- ▭ District boundary
- ▭ Commune boundary
- Protected forest
- Production forest
- Protection forest
- Cemetery land
- Industrial zone land
- National defence land
- Security land
- River, stream, canal land

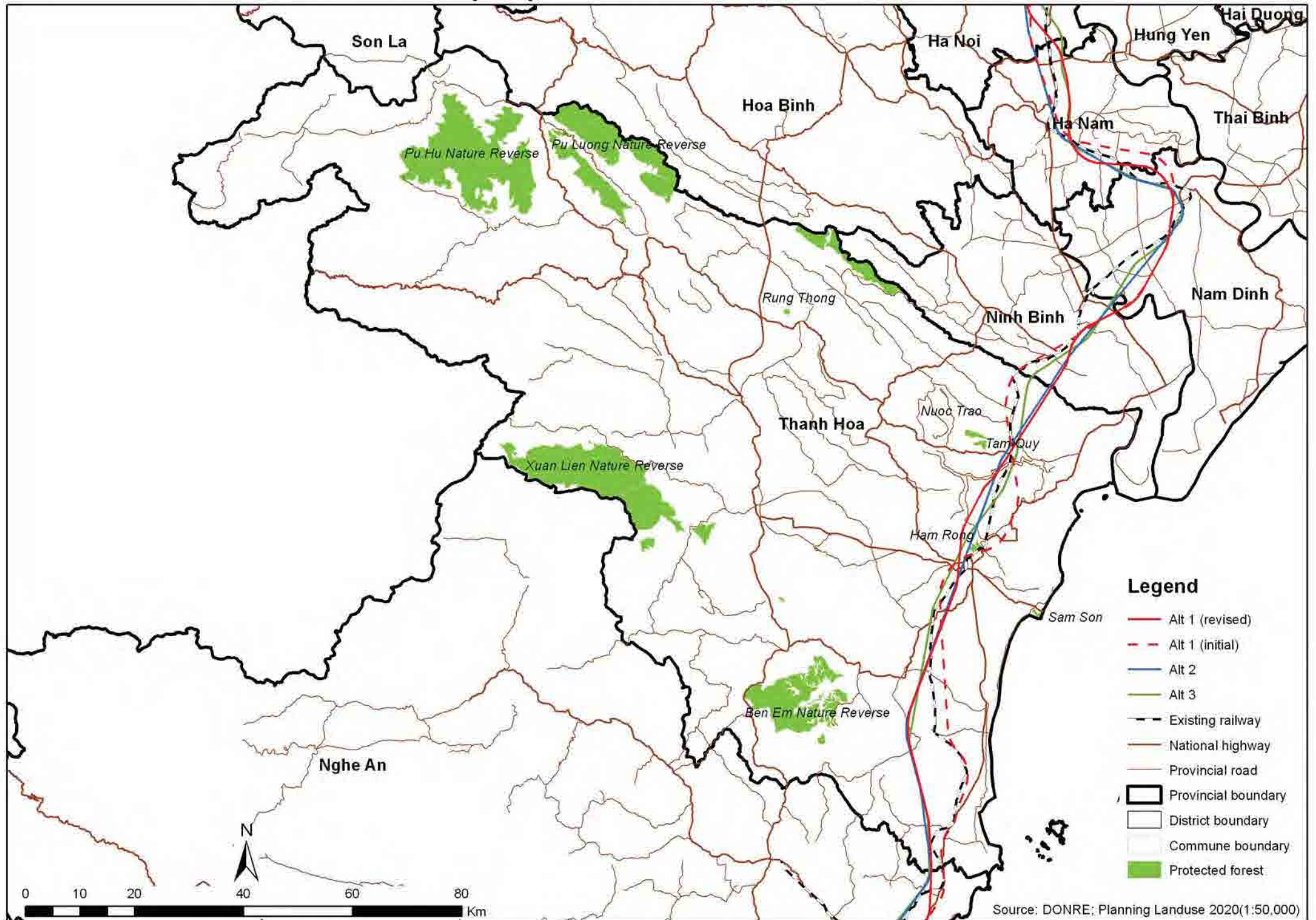
Source: DONRE(1:50,000)

THANH HOA PROVINCE

05.01	Protected Area
05.02	Protection and Production Forest
05.02_2	Distribution of Forest
05.03	Flood Prone
05.04	Landslide
05.05	Geology
05.06	Cultural Heritage
05.07	Ethnic Minority
05.07_2	Ethnic Minority Density
05.08	Population Density
05.09	Industrial Zone
05.10	Cemetery Land
05.11	Pagodas/Churches
05.12	Army Area
05.13	Development Area
05.15	Important Bird Areas and Endemic Bird Areas
05.16	Overlaid Environmental Sensitivity Map

*Missing number(s) means there was no data available to prepare the map.

[05.01] - Protected Area - Thanh Hoa Province

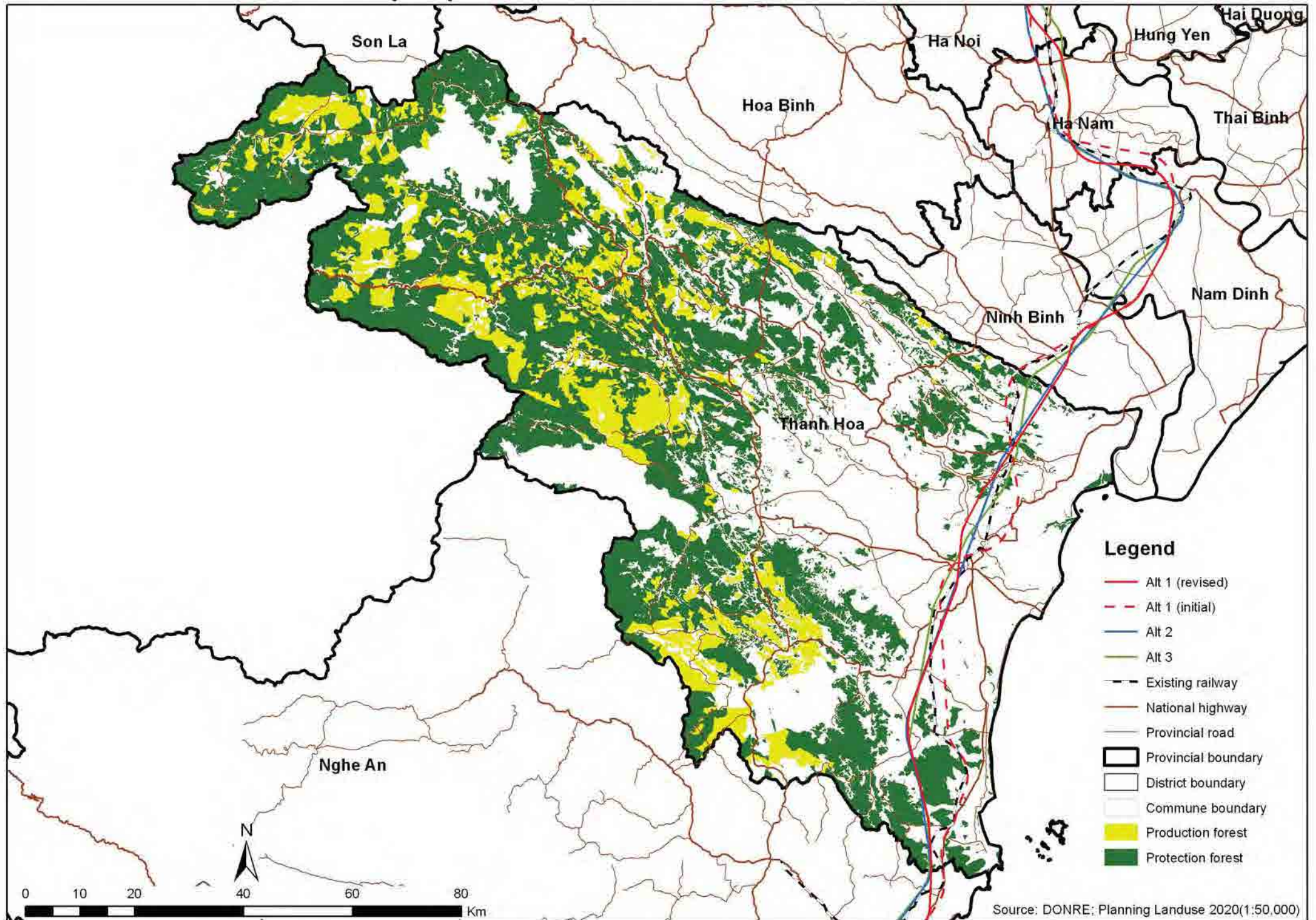


Legend

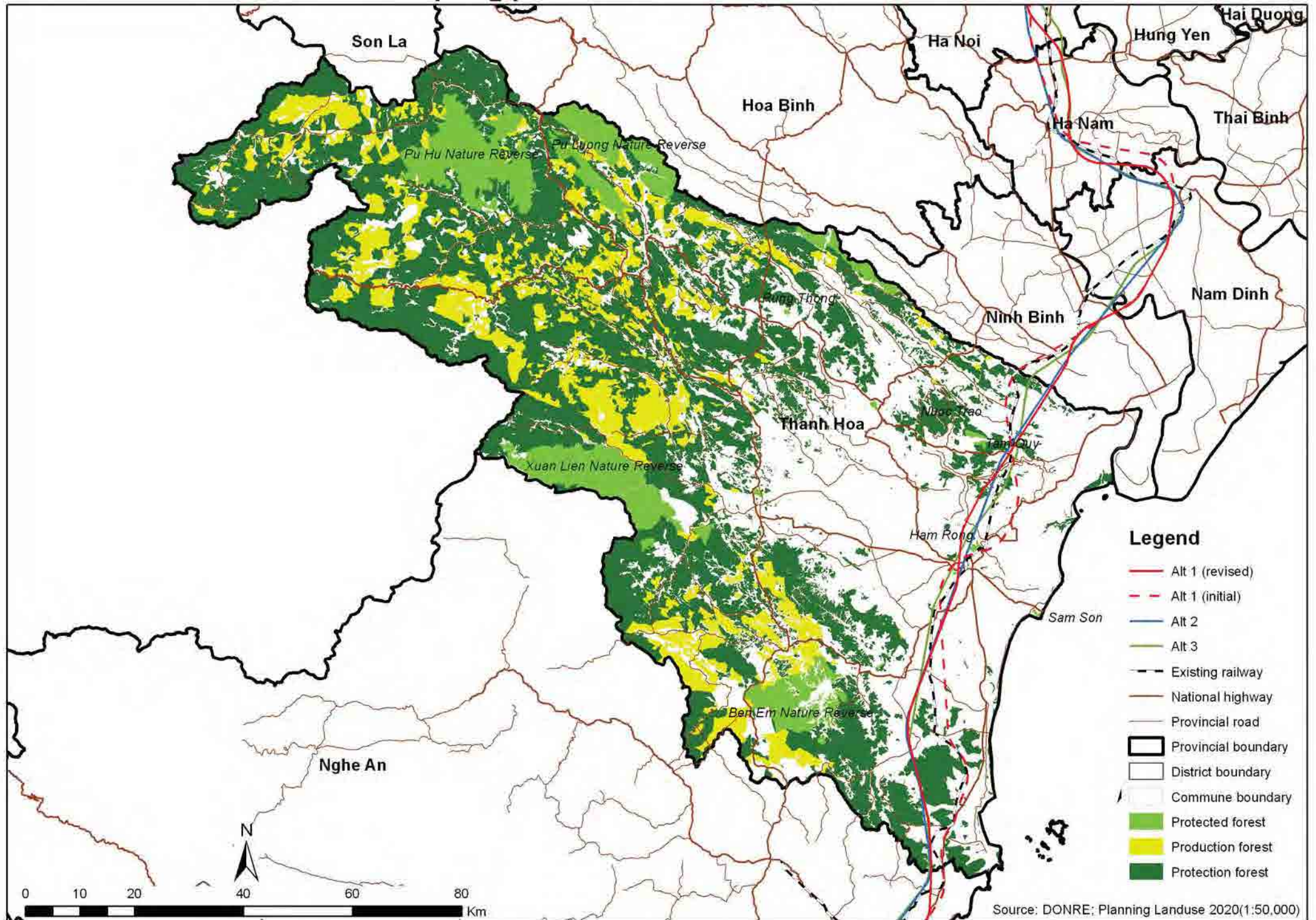
- Alt 1 (revised)
- - - Alt 1 (initial)
- Alt 2
- Alt 3
- - - Existing railway
- National highway
- Provincial road
- ▭ Provincial boundary
- ▭ District boundary
- ▭ Commune boundary
- Protected forest

Source: DONRE; Planning Landuse 2020(1:50,000)

[05.02] - Protection and Production Forest - Thanh Hoa Province

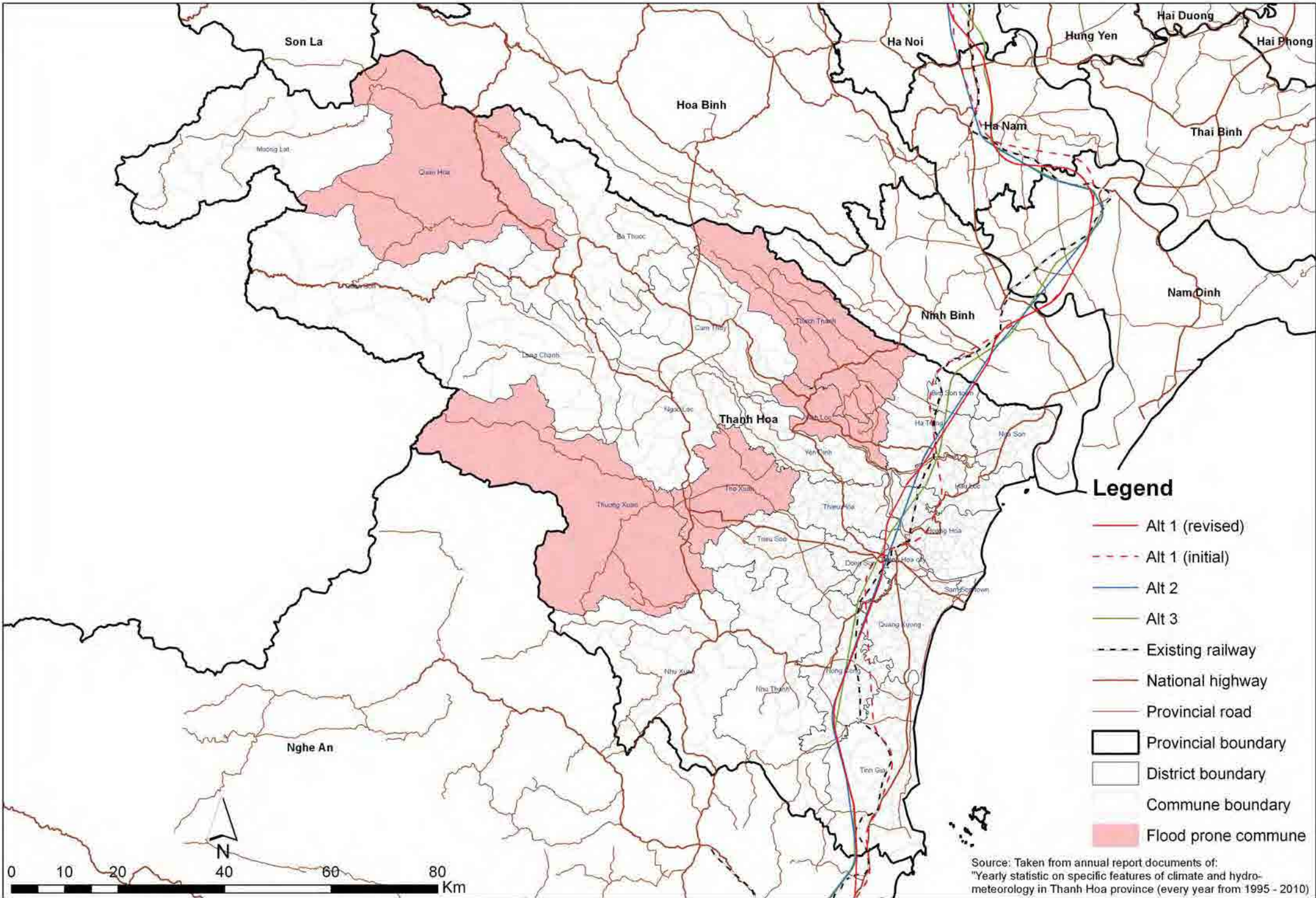


[05.02_2] - Distribution of Forest - Thanh Hoa Province



Source: DONRE; Planning Landuse 2020(1:50,000)

[05.03] - Flood Prone - Thanh Hoa Province

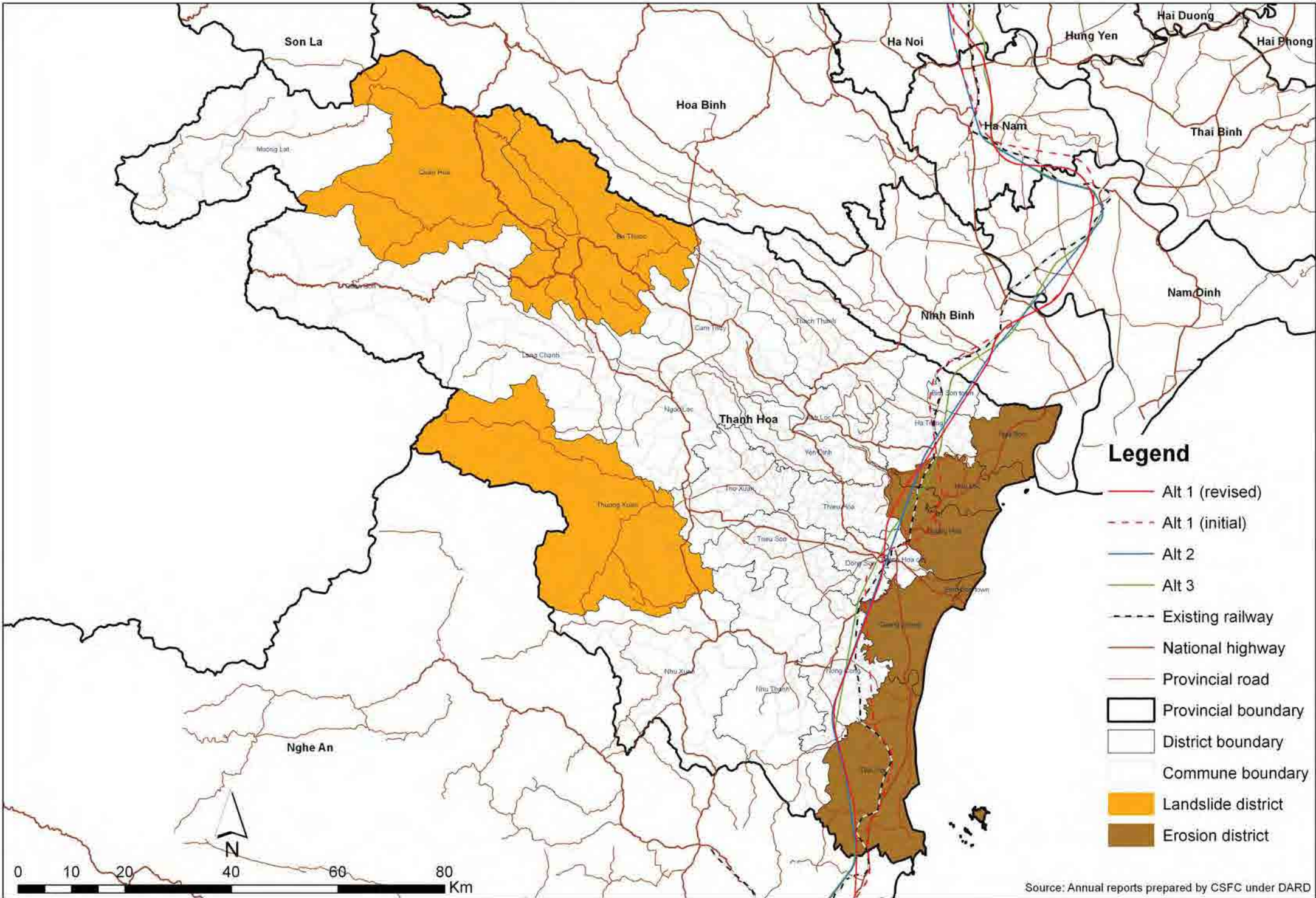


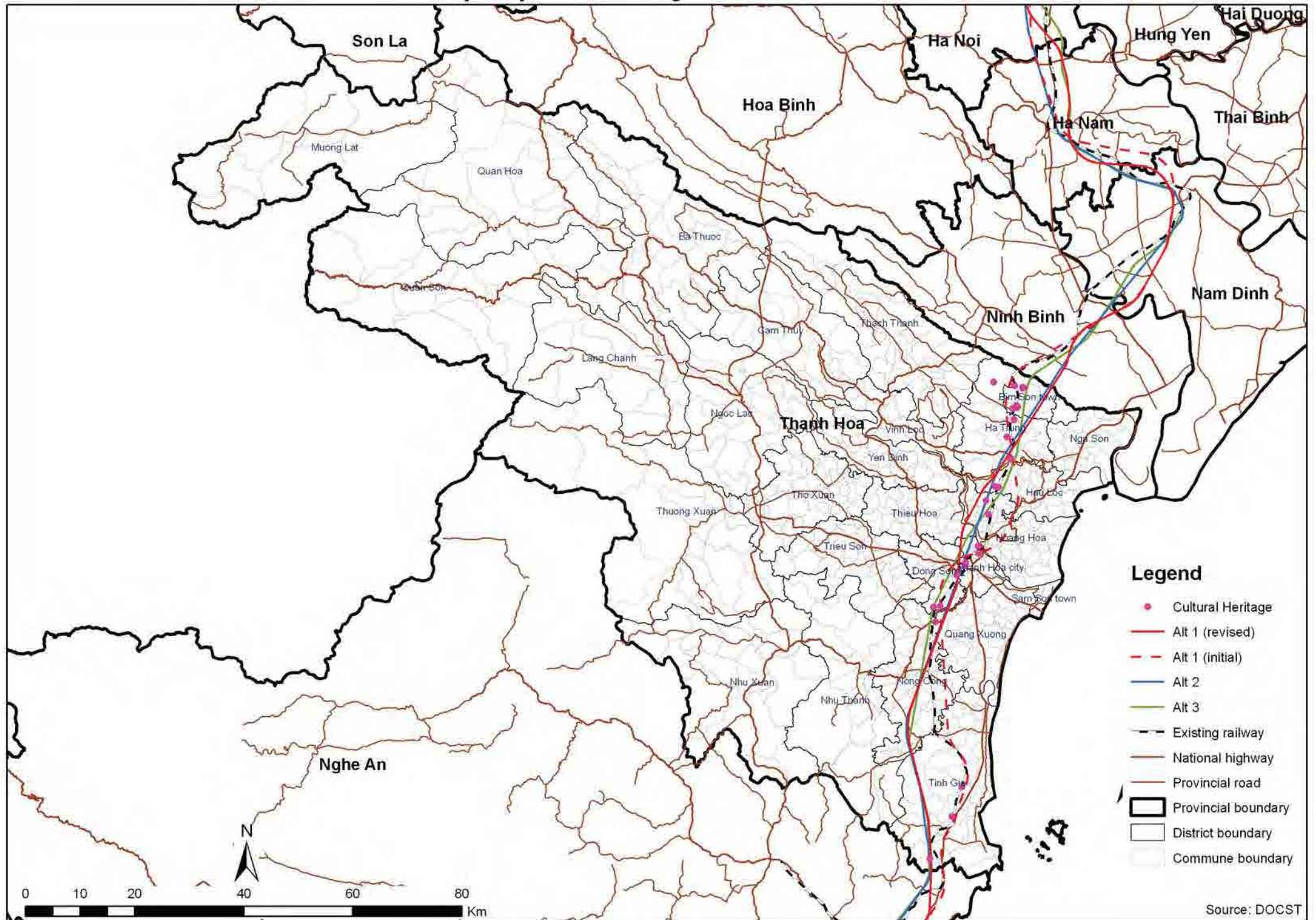
Legend

- Alt 1 (revised)
- - - Alt 1 (initial)
- Alt 2
- Alt 3
- Existing railway
- National highway
- Provincial road
- Provincial boundary
- District boundary
- Commune boundary
- Flood prone commune

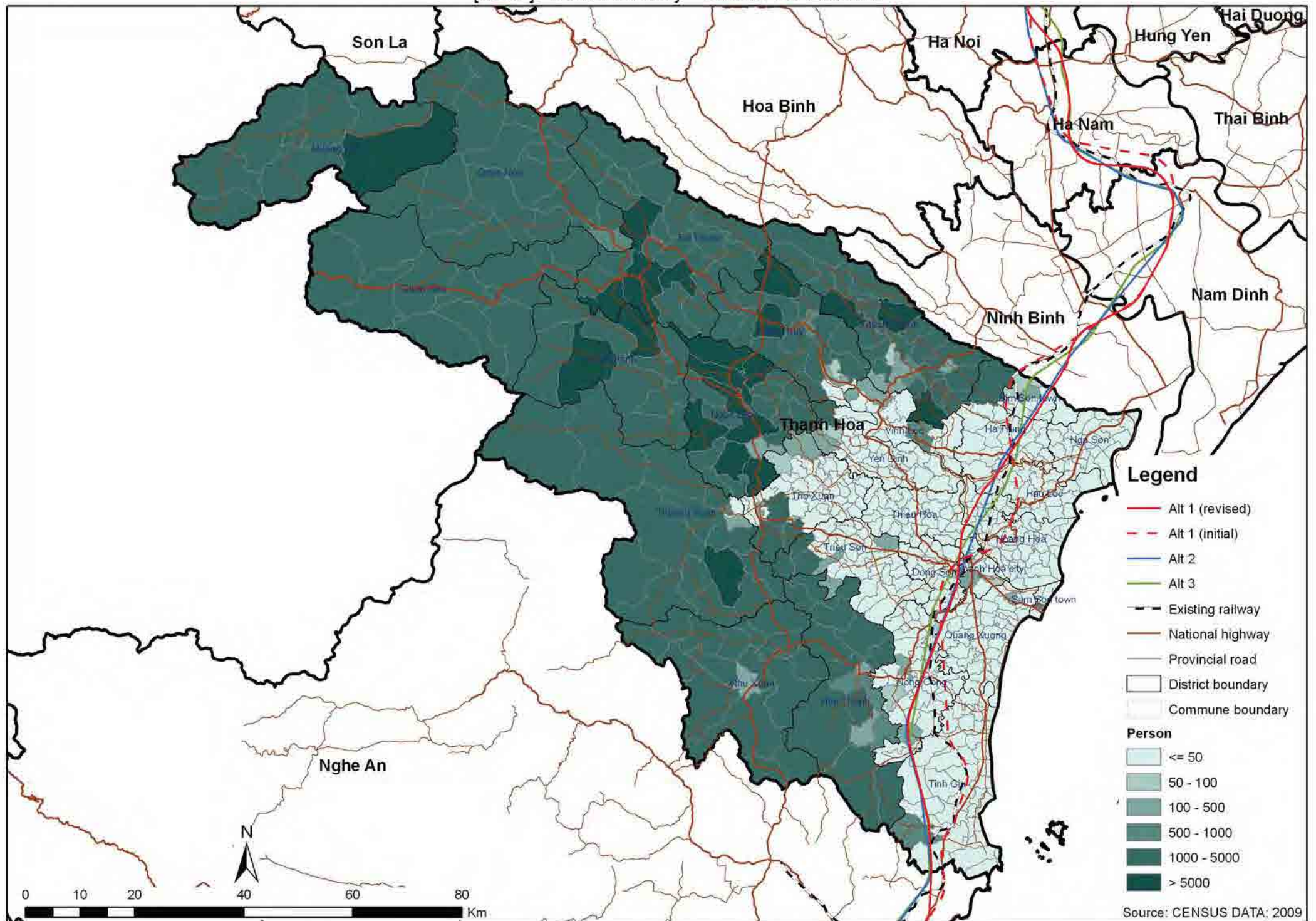
Source: Taken from annual report documents of:
 "Yearly statistic on specific features of climate and hydro-meteorology in Thanh Hoa province (every year from 1995 - 2010)"

[05.04] - Landslide - Thanh Hoa Province

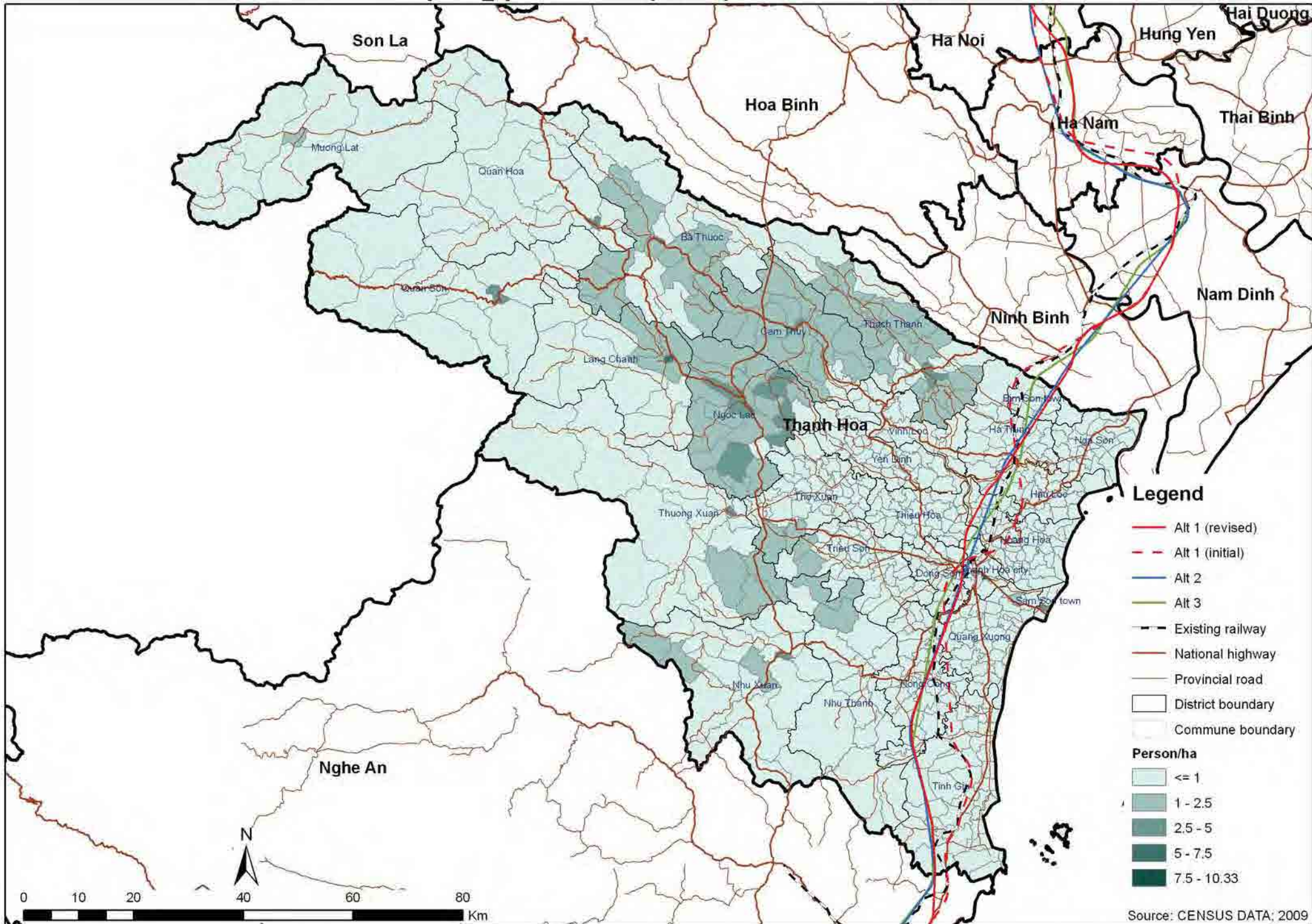




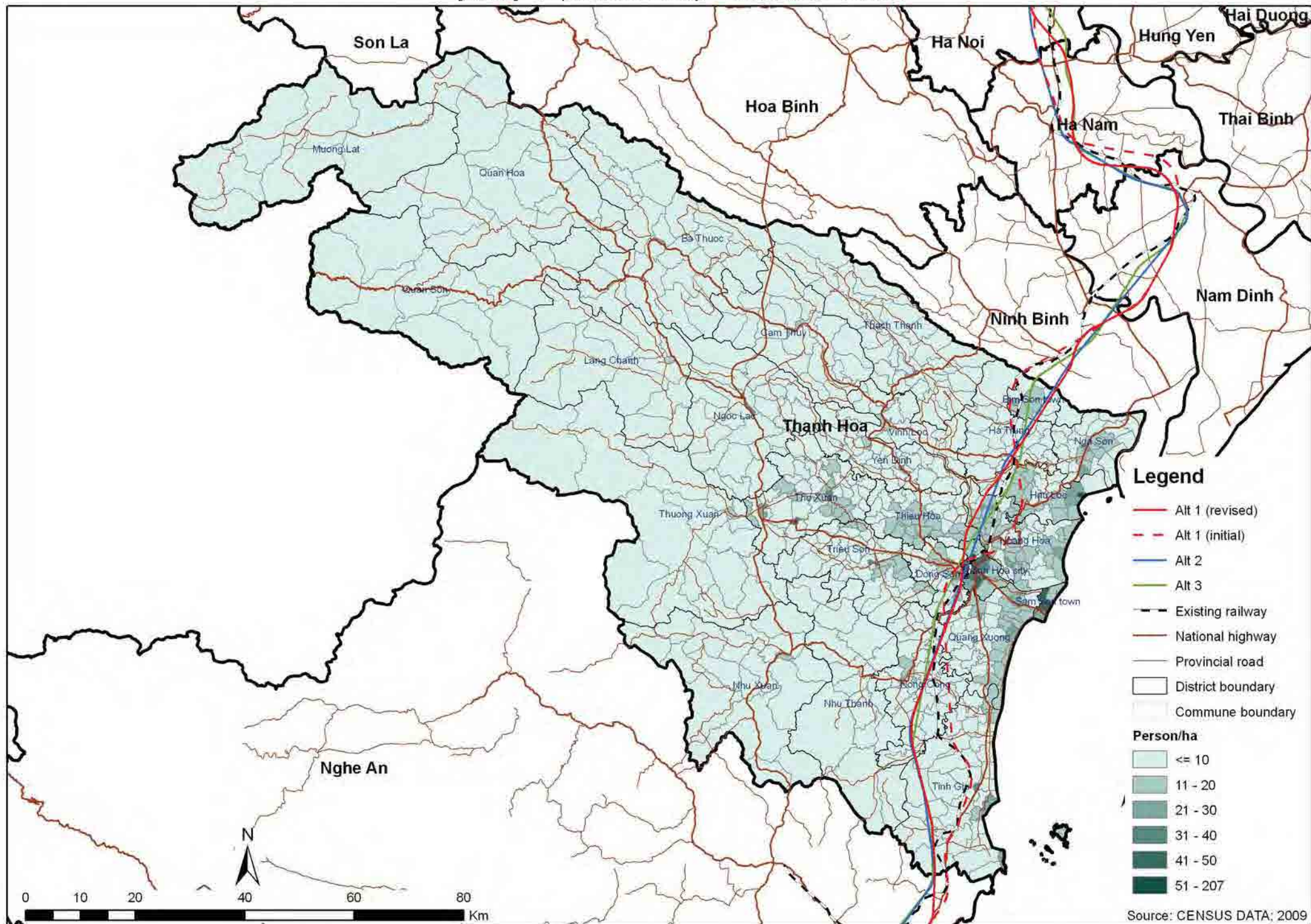
[05.07] - Ethnic Minority - Thanh Hoa Province



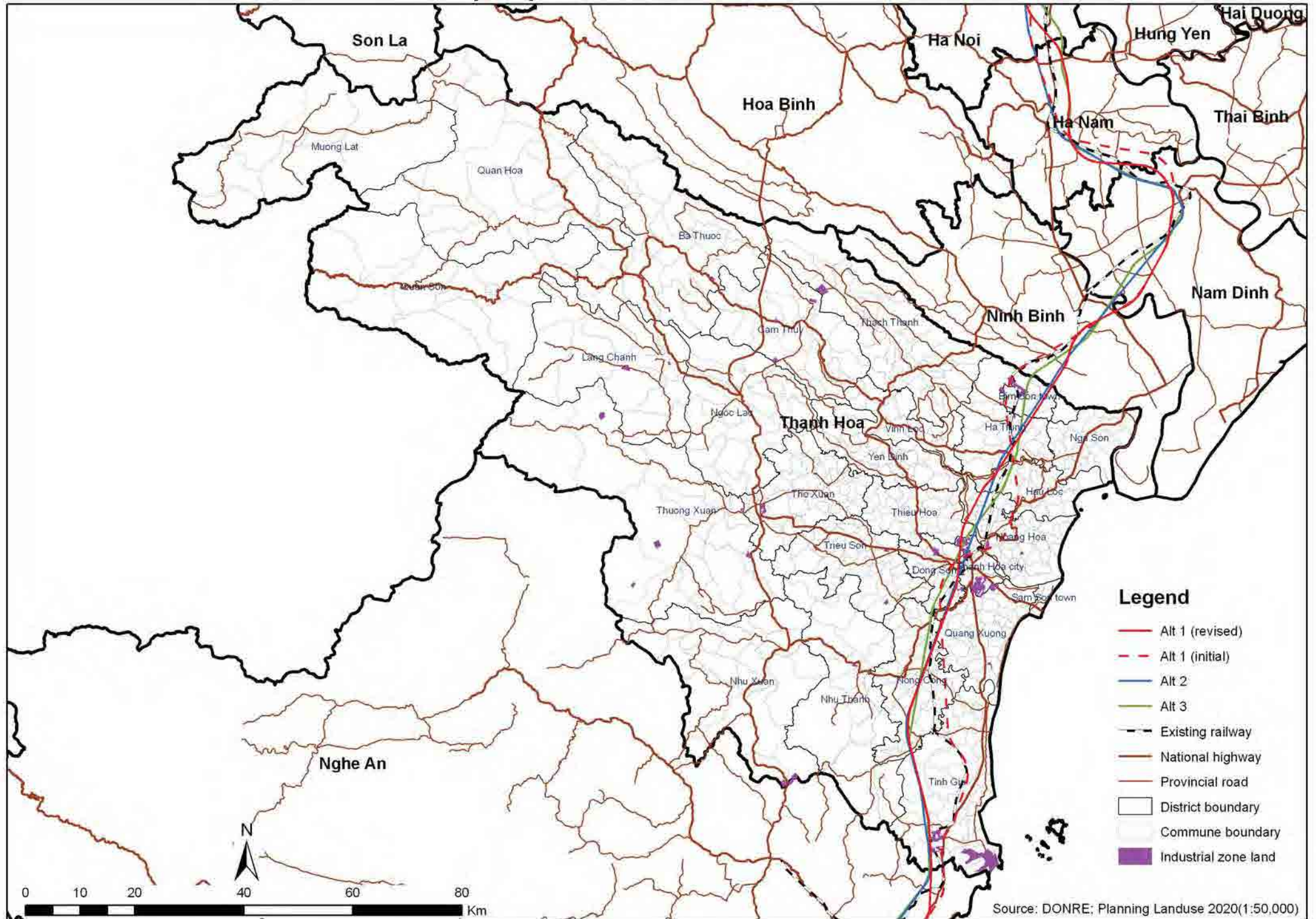
[05.07_2] - Ethnic Minority Density - Thanh Hoa Province



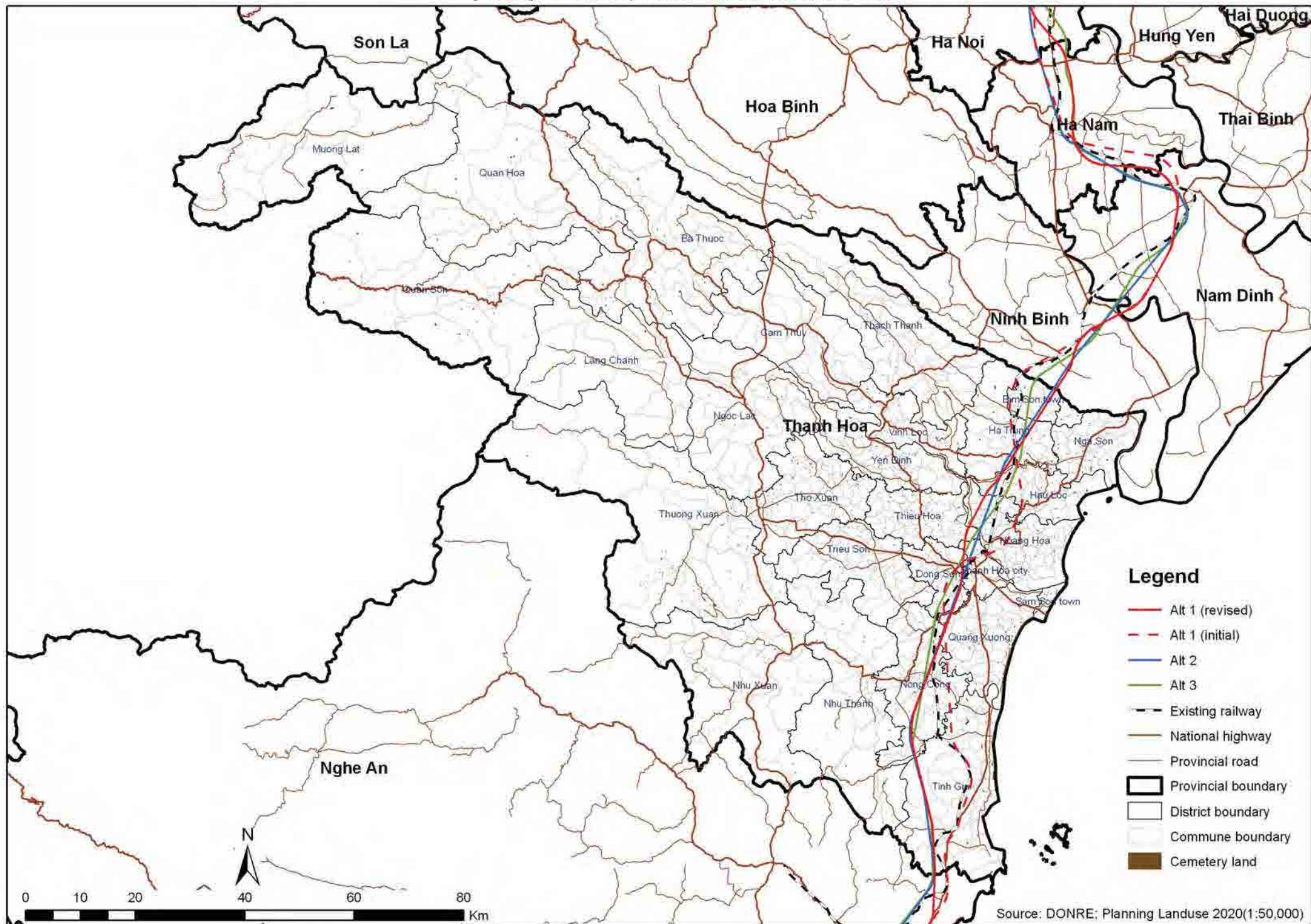
[05.08] - Population Density - Thanh Hoa Province

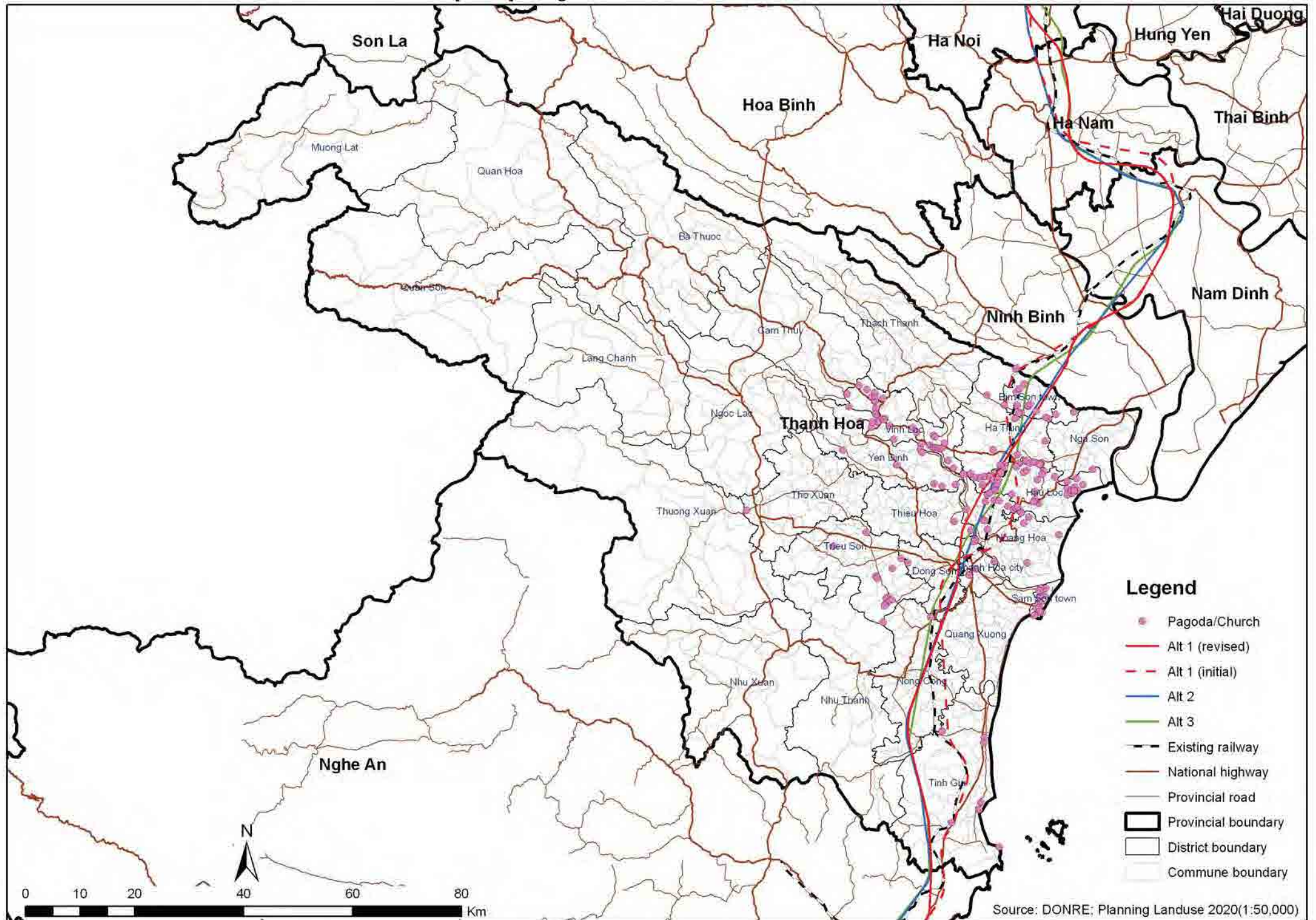


[05.09] - Industrial Zone - Thanh Hoa Province



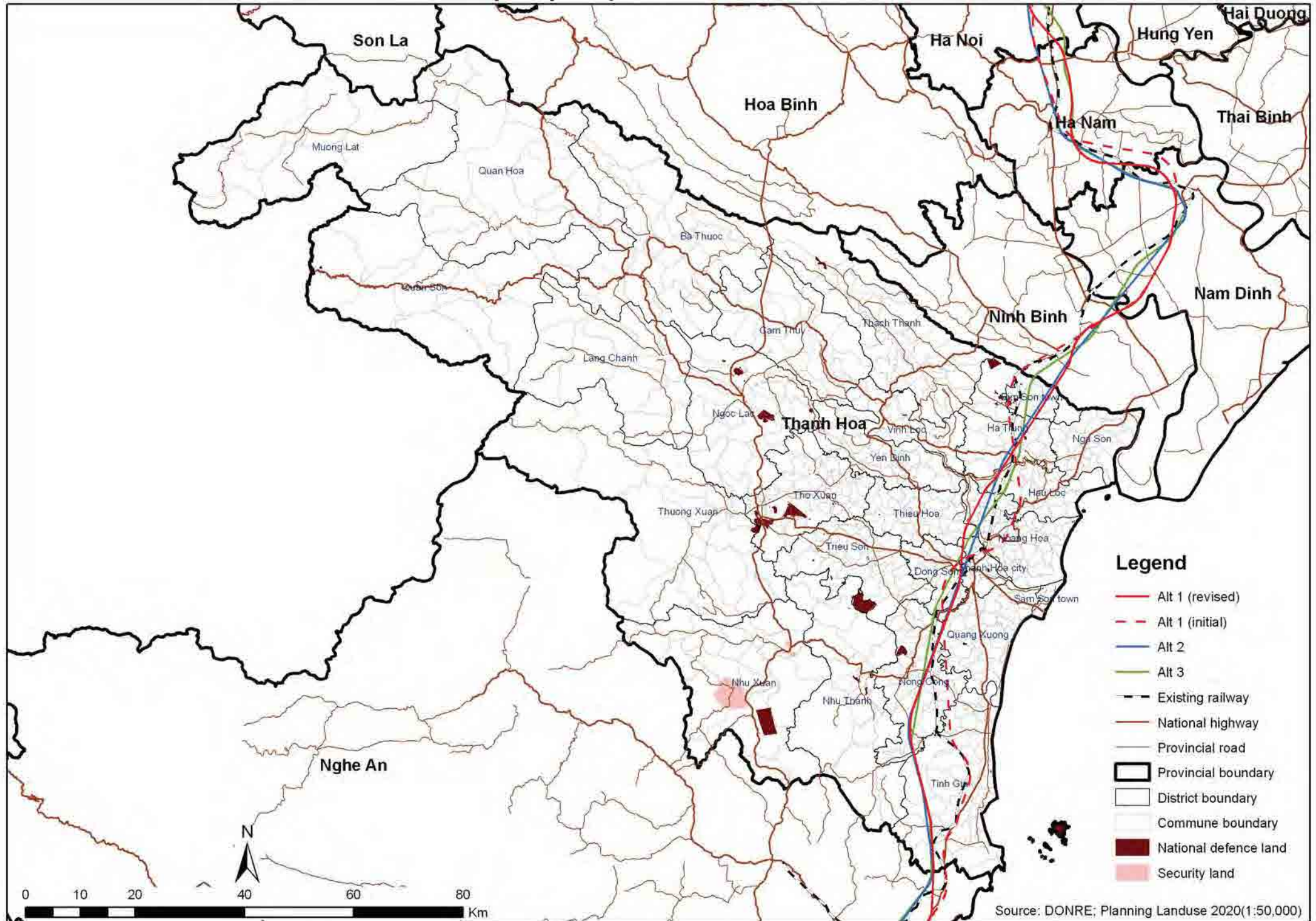
[05.10] - Cemetery Land - Thanh Hoa Province

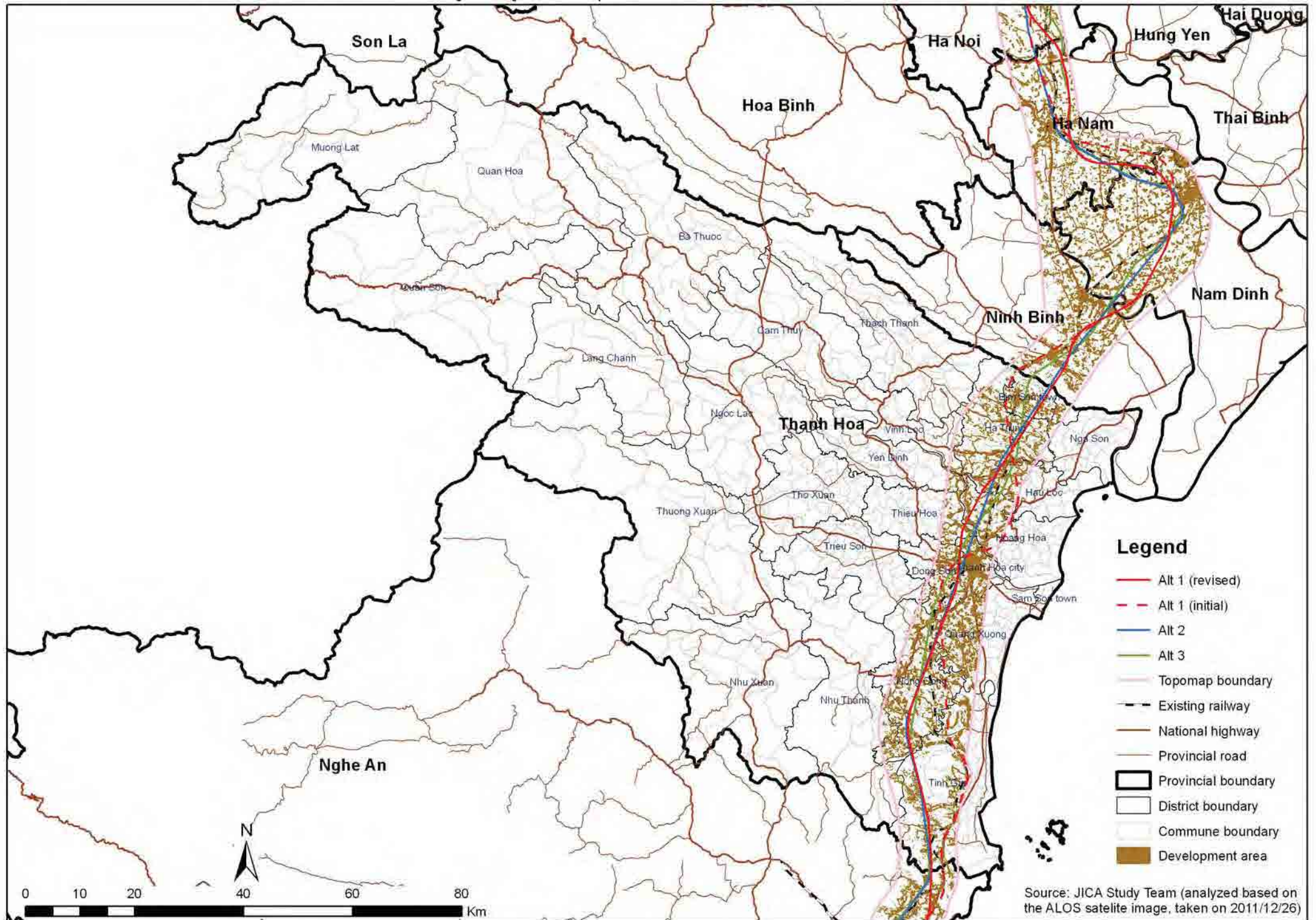




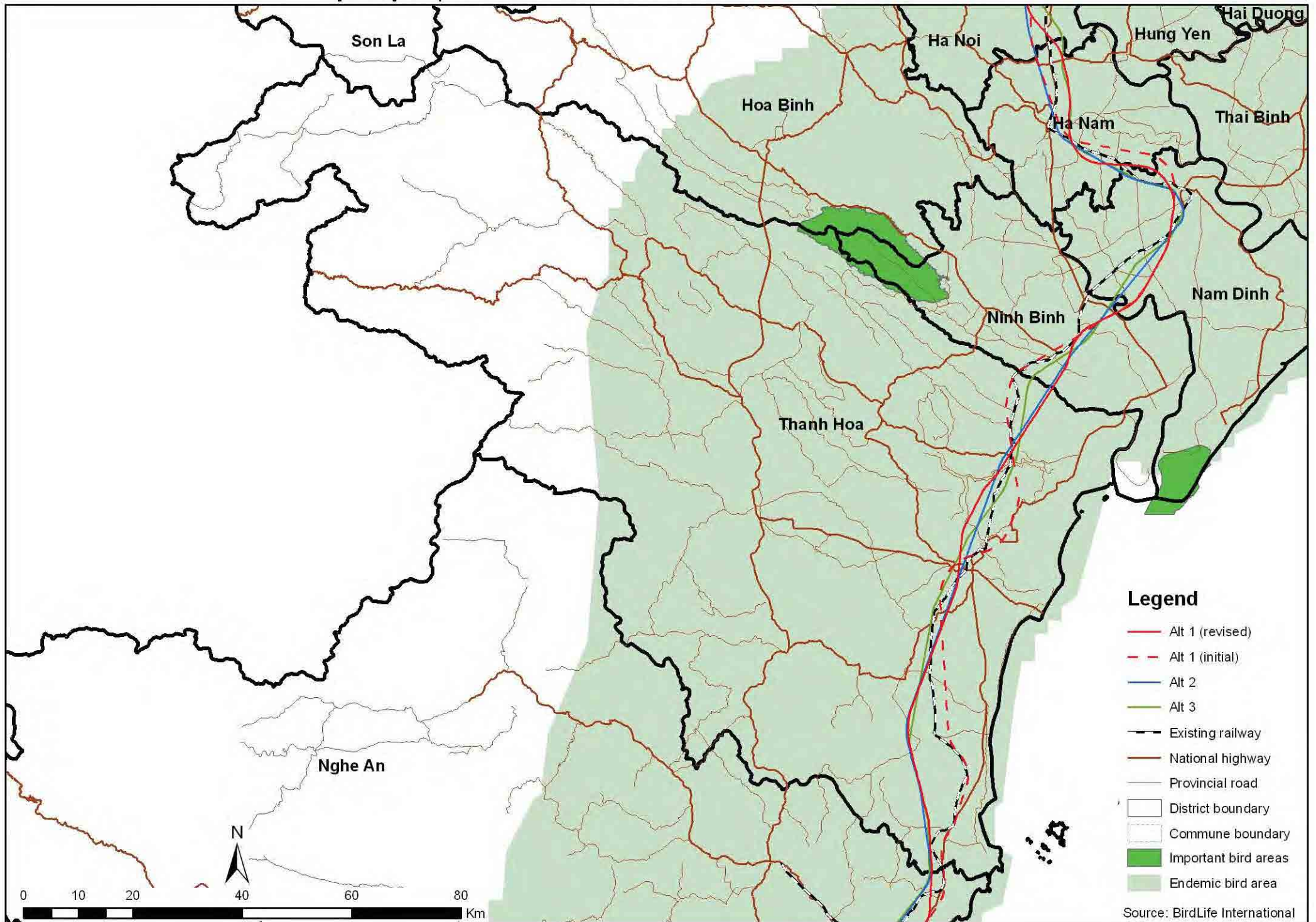
Legend

- Pagoda/Church
- Alt 1 (revised)
- - - Alt 1 (initial)
- Alt 2
- Alt 3
- Existing railway
- National highway
- Provincial road
- ▭ Provincial boundary
- ▭ District boundary
- ▭ Commune boundary

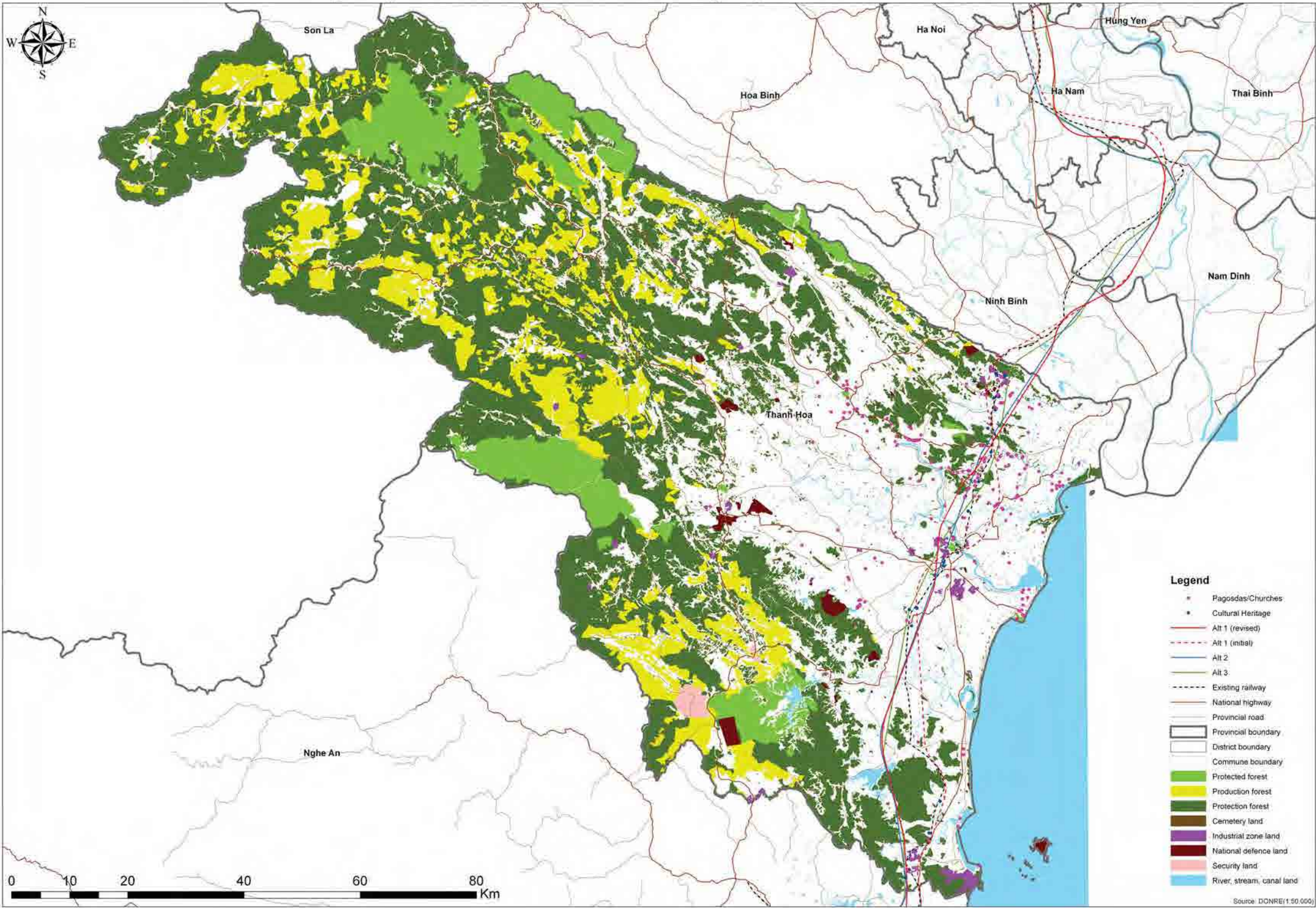




[05.15] - Important Bird Areas and Endemic Bird Areas - Thanh Hoa Province



[05.16] - Overlaid Environmental Sensitivity Map - Thanh Hoa Province



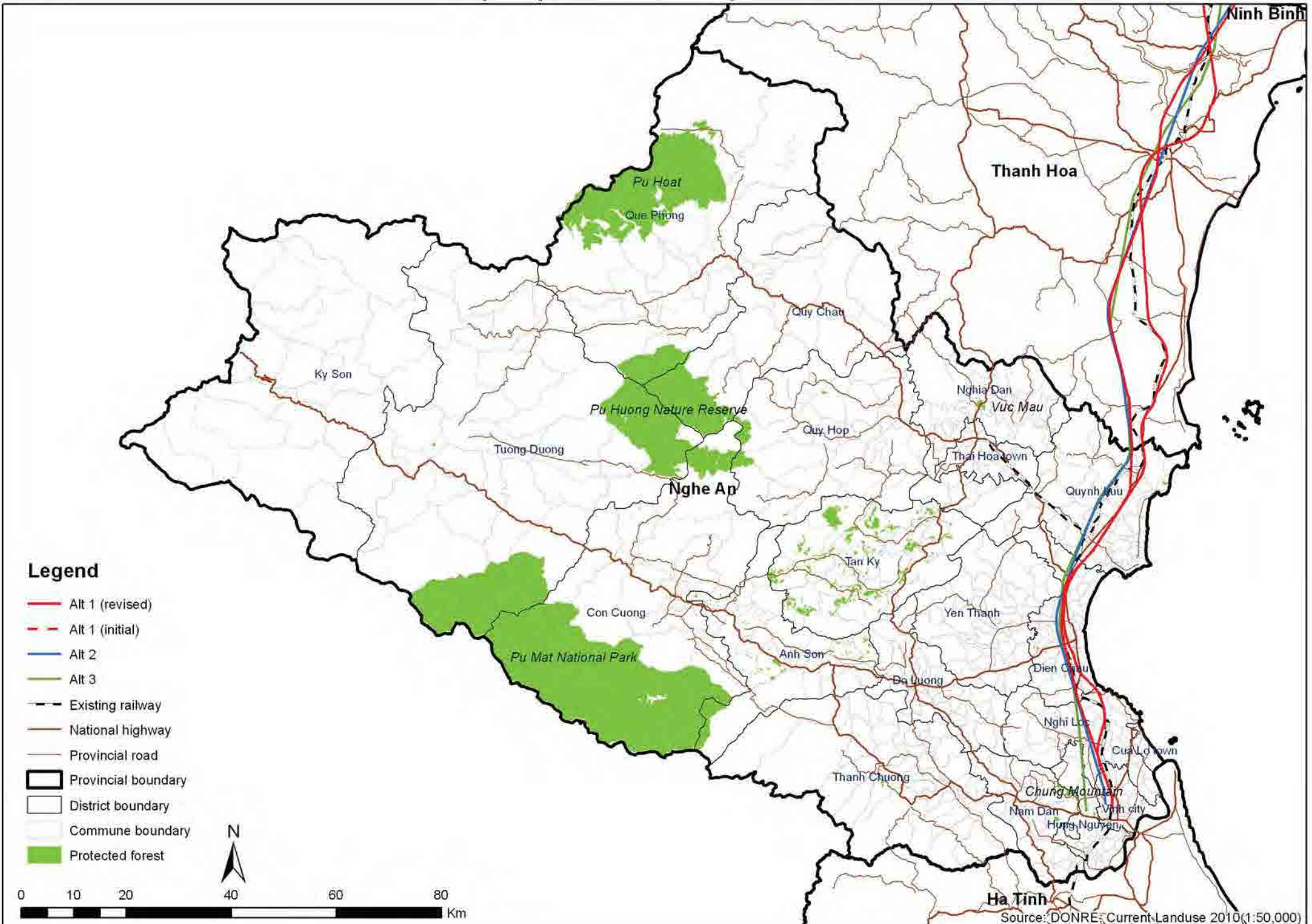
- Legend**
- Pagodas/Churches
 - Cultural Heritage
 - Alt 1 (revised)
 - - - Alt 1 (initial)
 - Alt 2
 - Alt 3
 - - - Existing railway
 - National highway
 - Provincial road
 - ▭ Provincial boundary
 - ▭ District boundary
 - ▭ Commune boundary
 - Protected forest
 - Production forest
 - Protection forest
 - Cemetery land
 - Industrial zone land
 - National defence land
 - Security land
 - River, stream, canal land

(Source: DONRE/1.50.000)

NGHE AN PROVINCE

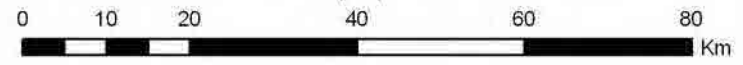
06.01	Protected Area
06.02	Protection and Production Forest
06.02_2	Distribution of Forest
06.03	Flood Prone
06.04	Landslide
06.07	Ethnic Minority
06.07_2	Ethnic Minority Density
06.08	Population Density
06.09	Industrial Zone
06.10	Cemetery Land
06.11	Pagodas/Churches
06.12	Army Area
06.13	Development Area
06.15	Important Bird Areas and Endemic Bird Areas
06.16	Overlaid Environmental Sensitivity Map

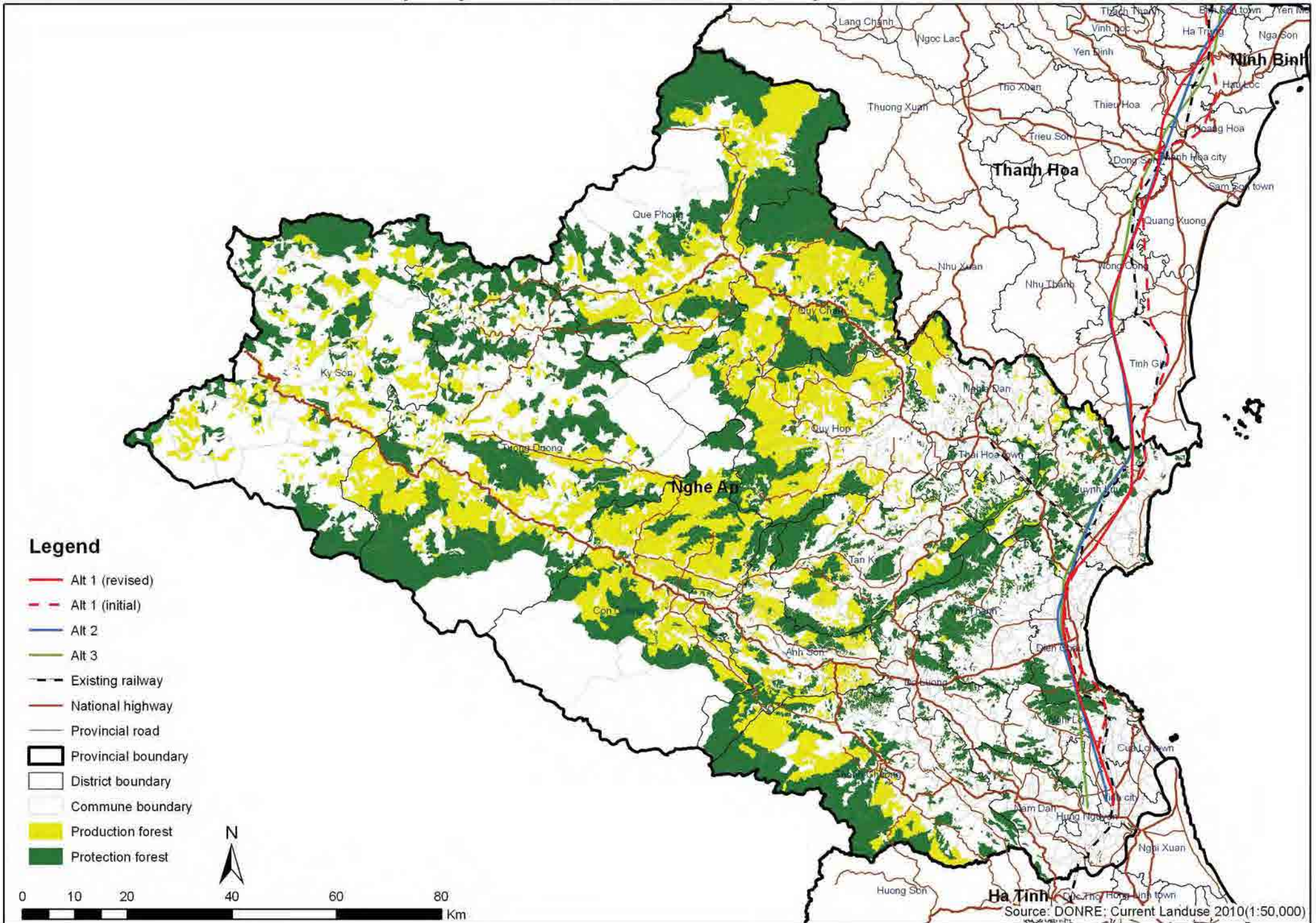
*Missing number(s) means there was no data available to prepare the map.

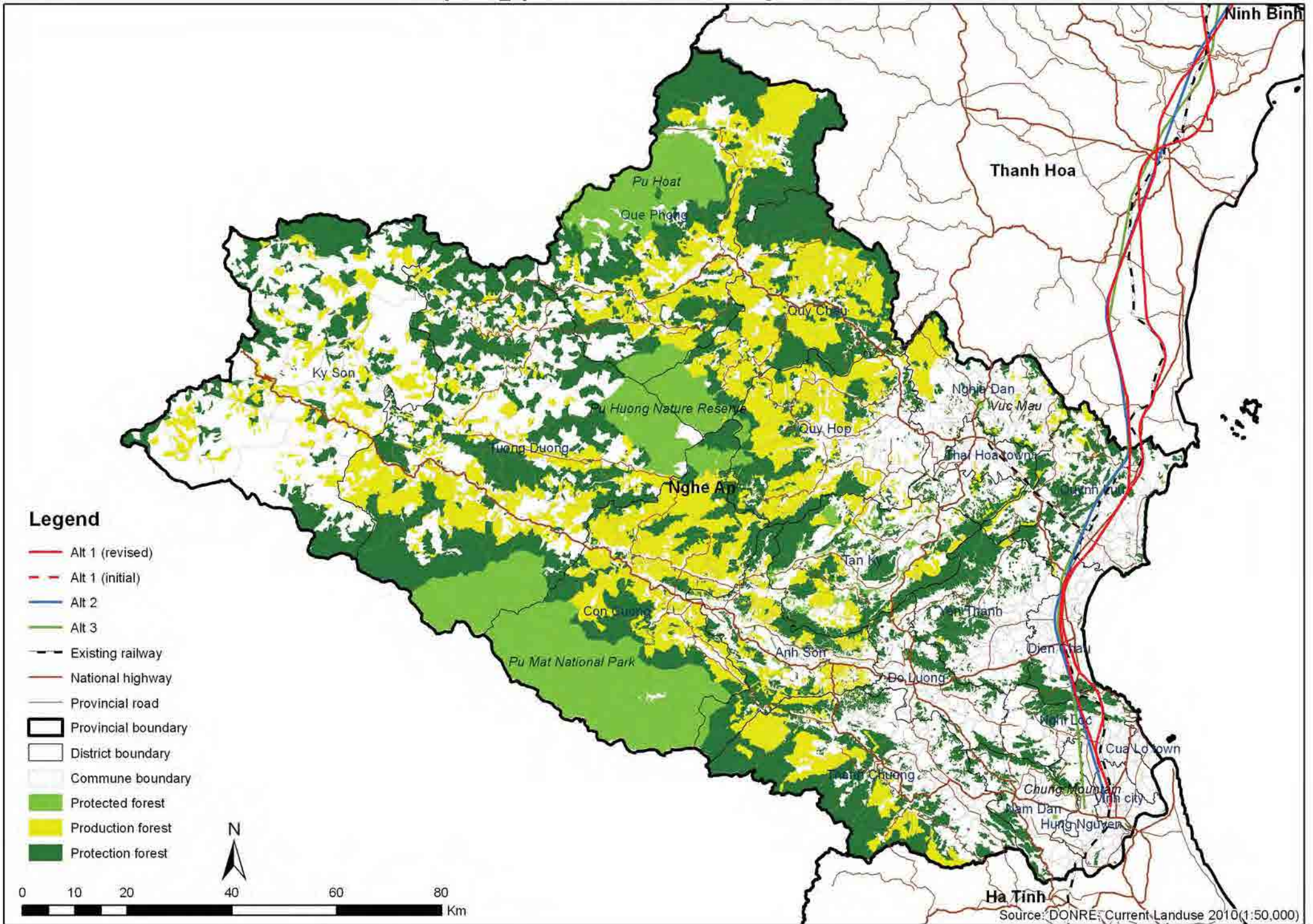


Legend

-  Alt 1 (revised)
-  Alt 1 (initial)
-  Alt 2
-  Alt 3
-  Existing railway
-  National highway
-  Provincial road
-  Provincial boundary
-  District boundary
-  Commune boundary
-  Protected forest

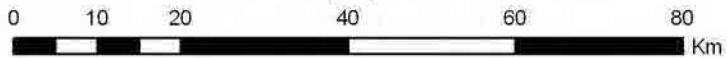


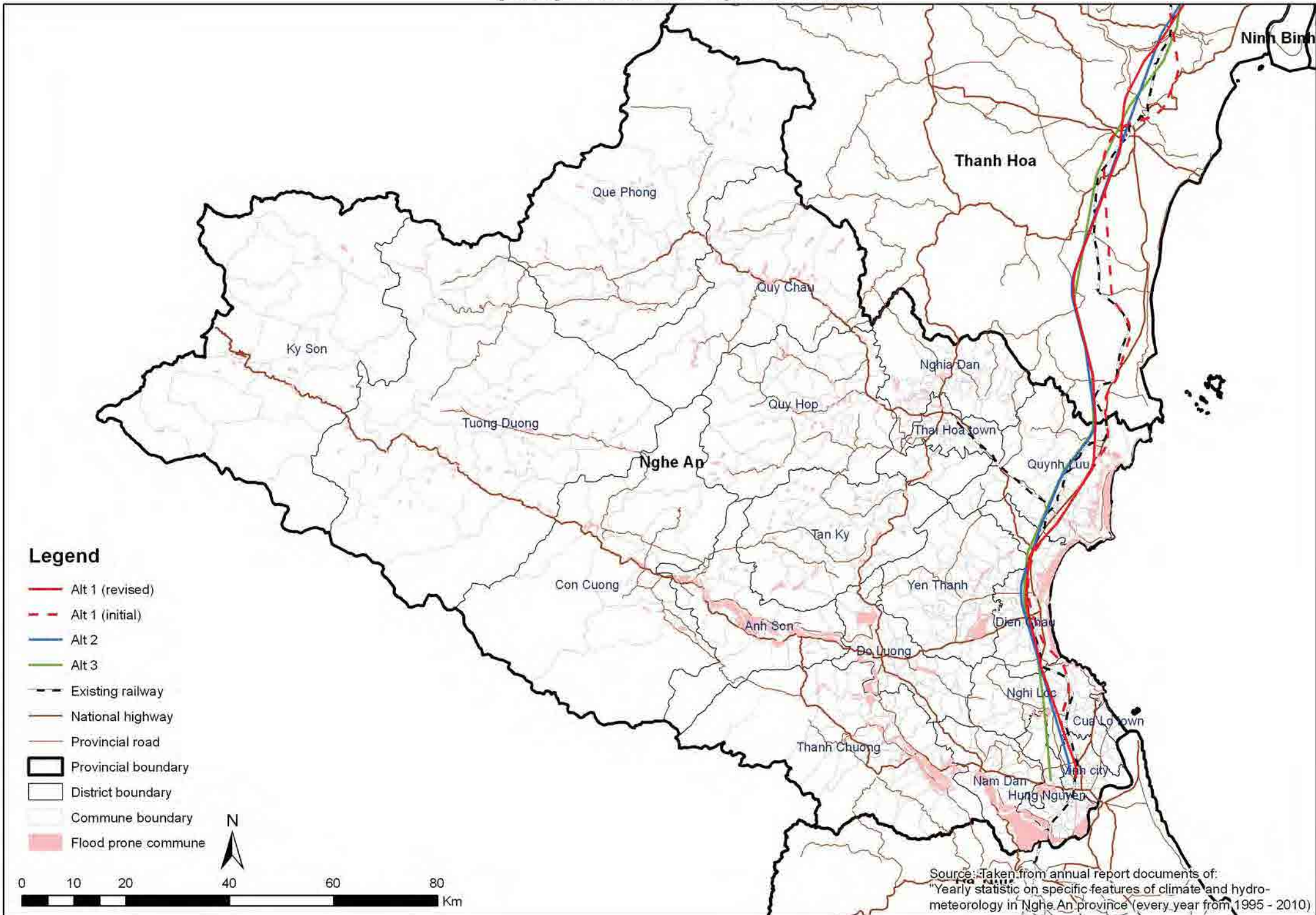


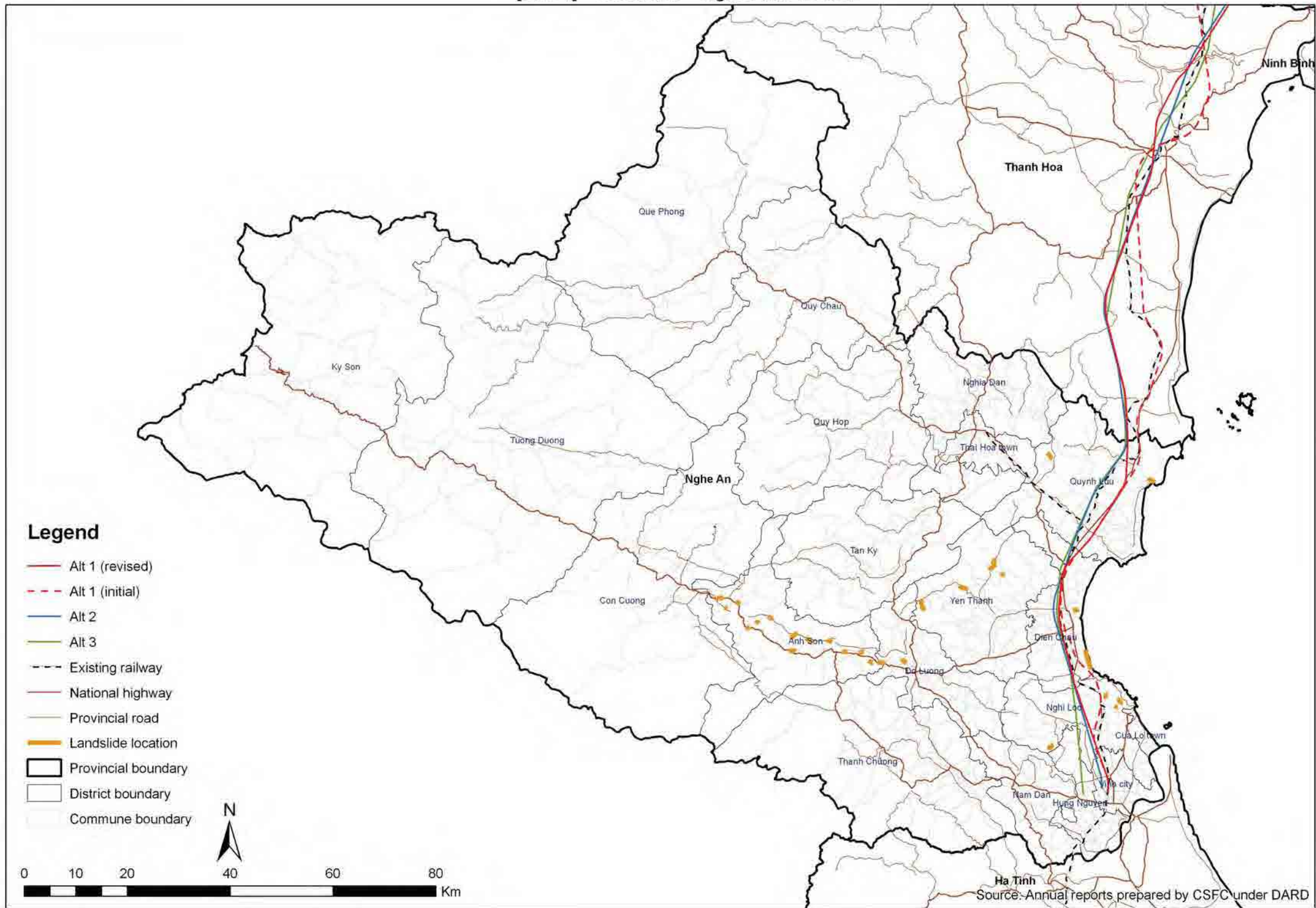


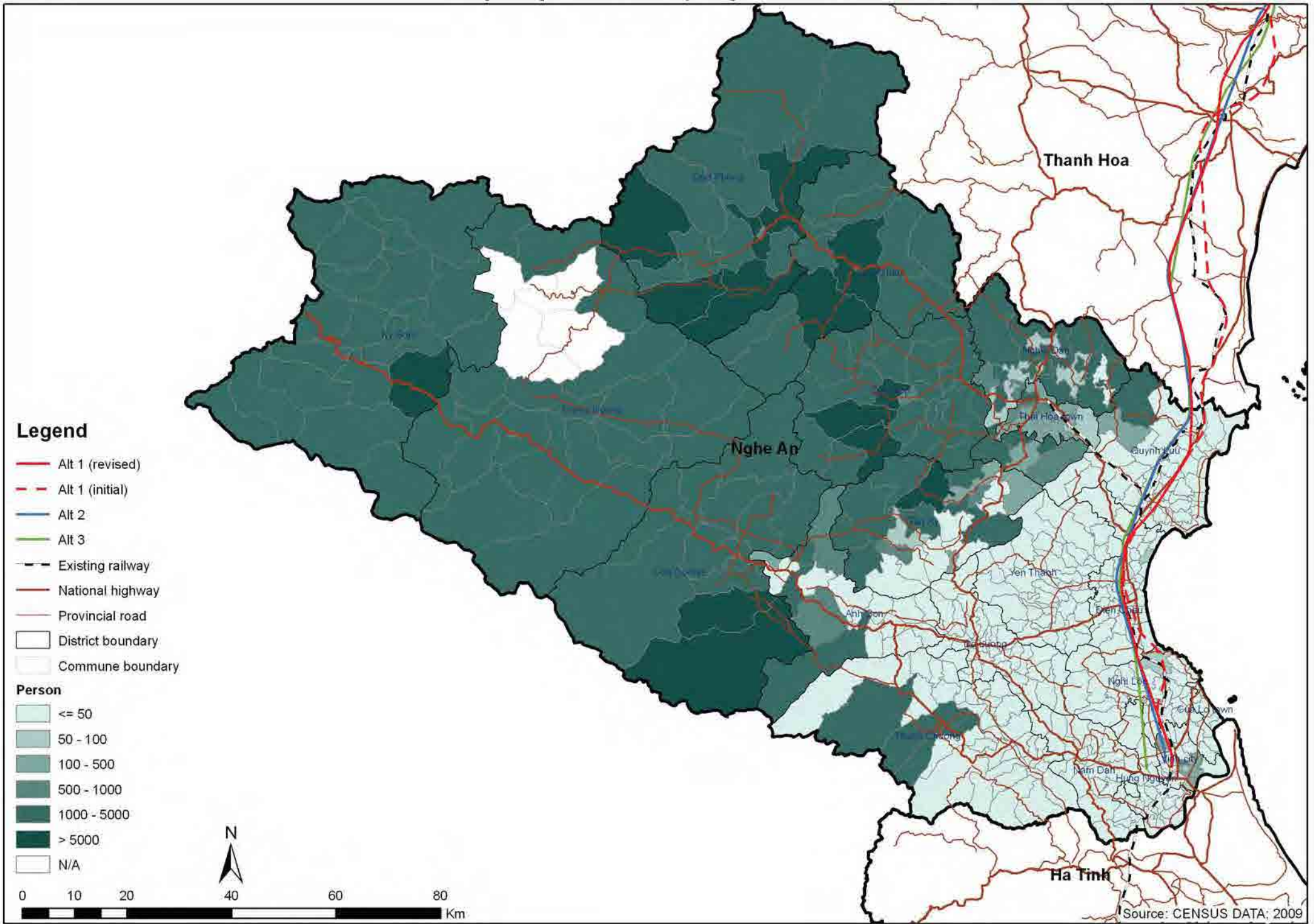
Legend

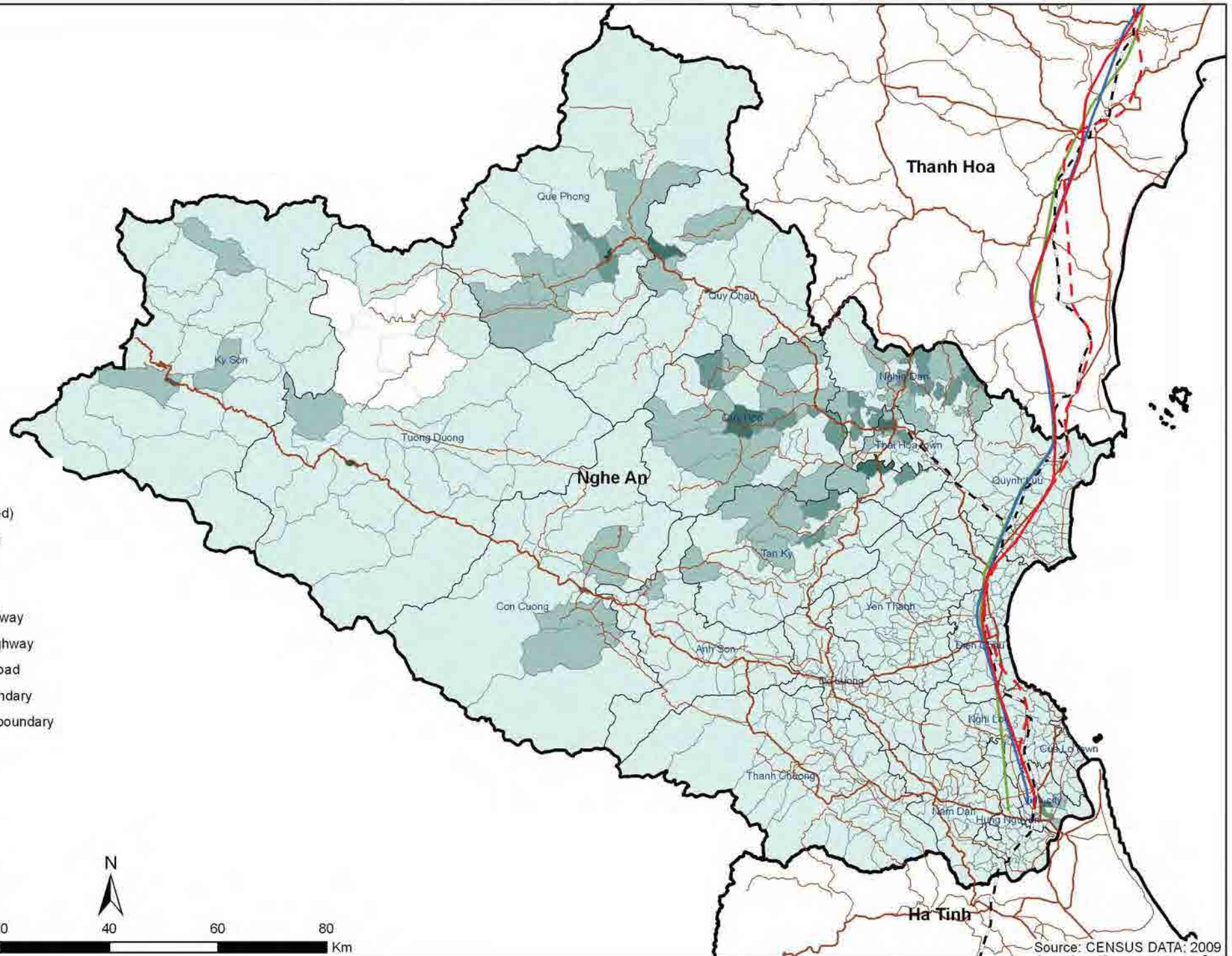
- Alt 1 (revised)
- Alt 1 (initial)
- Alt 2
- Alt 3
- Existing railway
- National highway
- Provincial road
- Provincial boundary
- District boundary
- Commune boundary
- Protected forest
- Production forest
- Protection forest





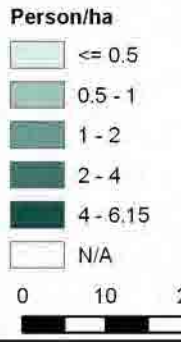


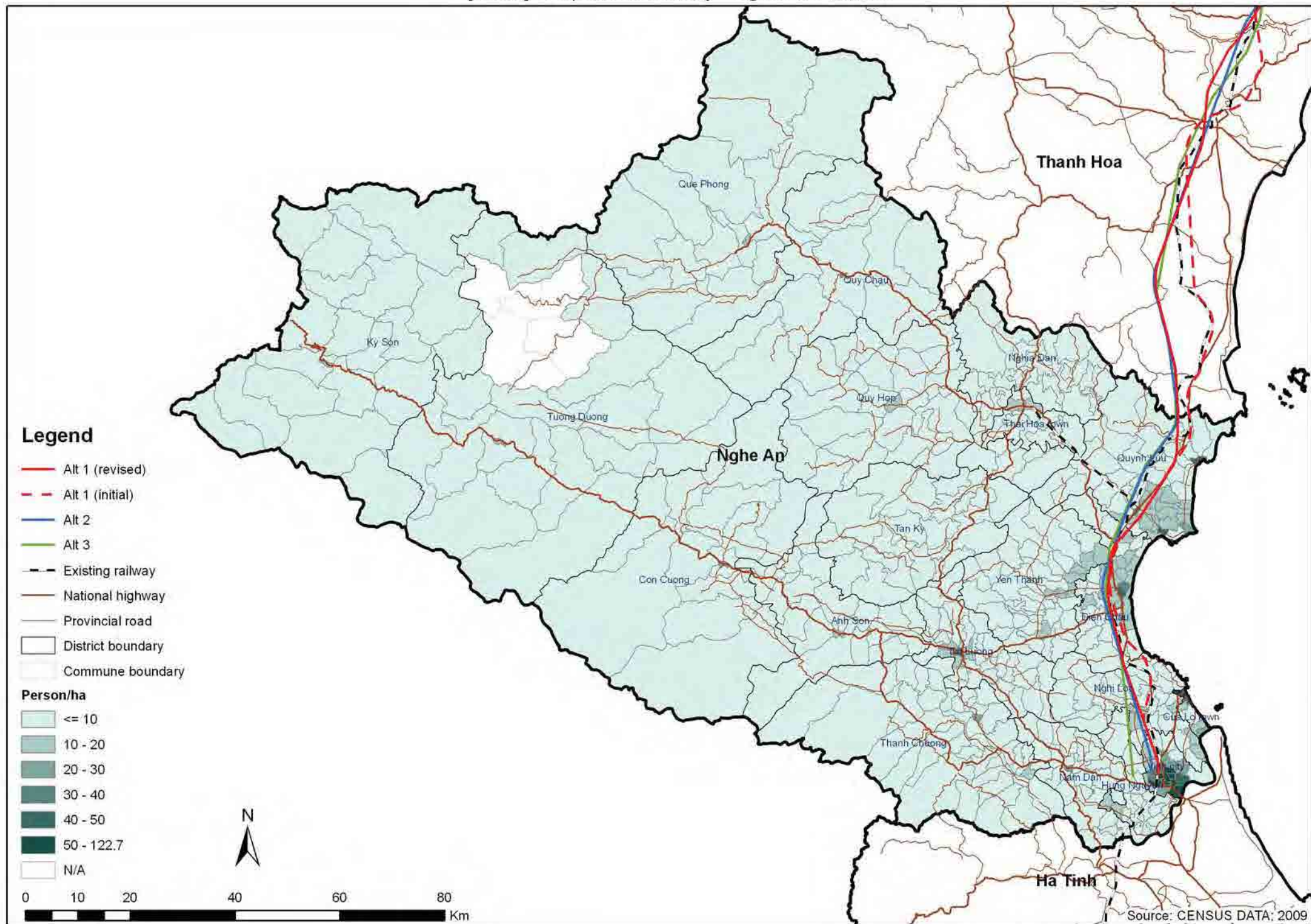


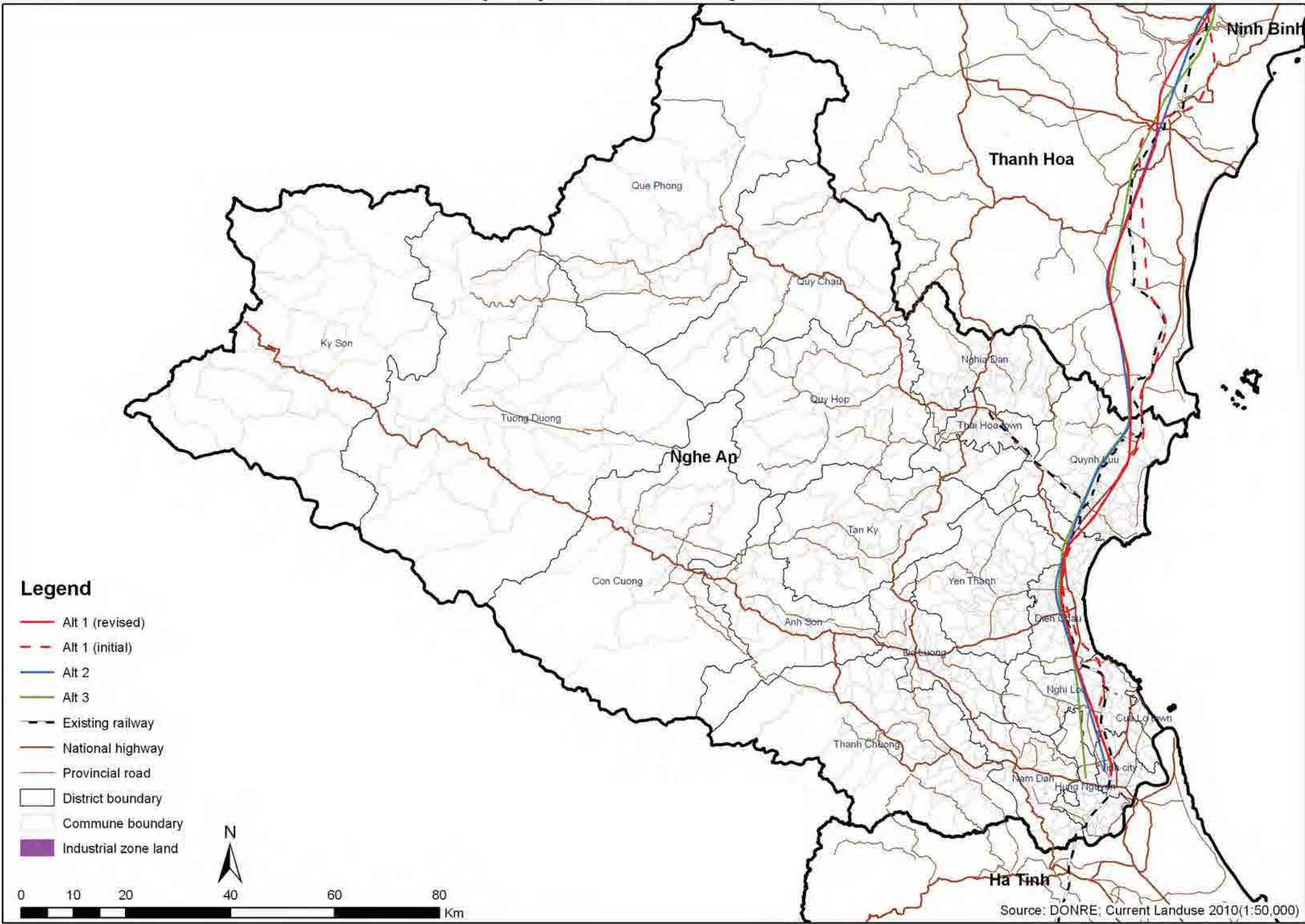


Legend

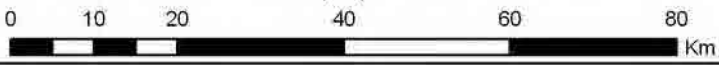
- Alt 1 (revised)
- - - Alt 1 (initial)
- Alt 2
- Alt 3
- - - Existing railway
- National highway
- Provincial road
- District boundary
- Commune boundary

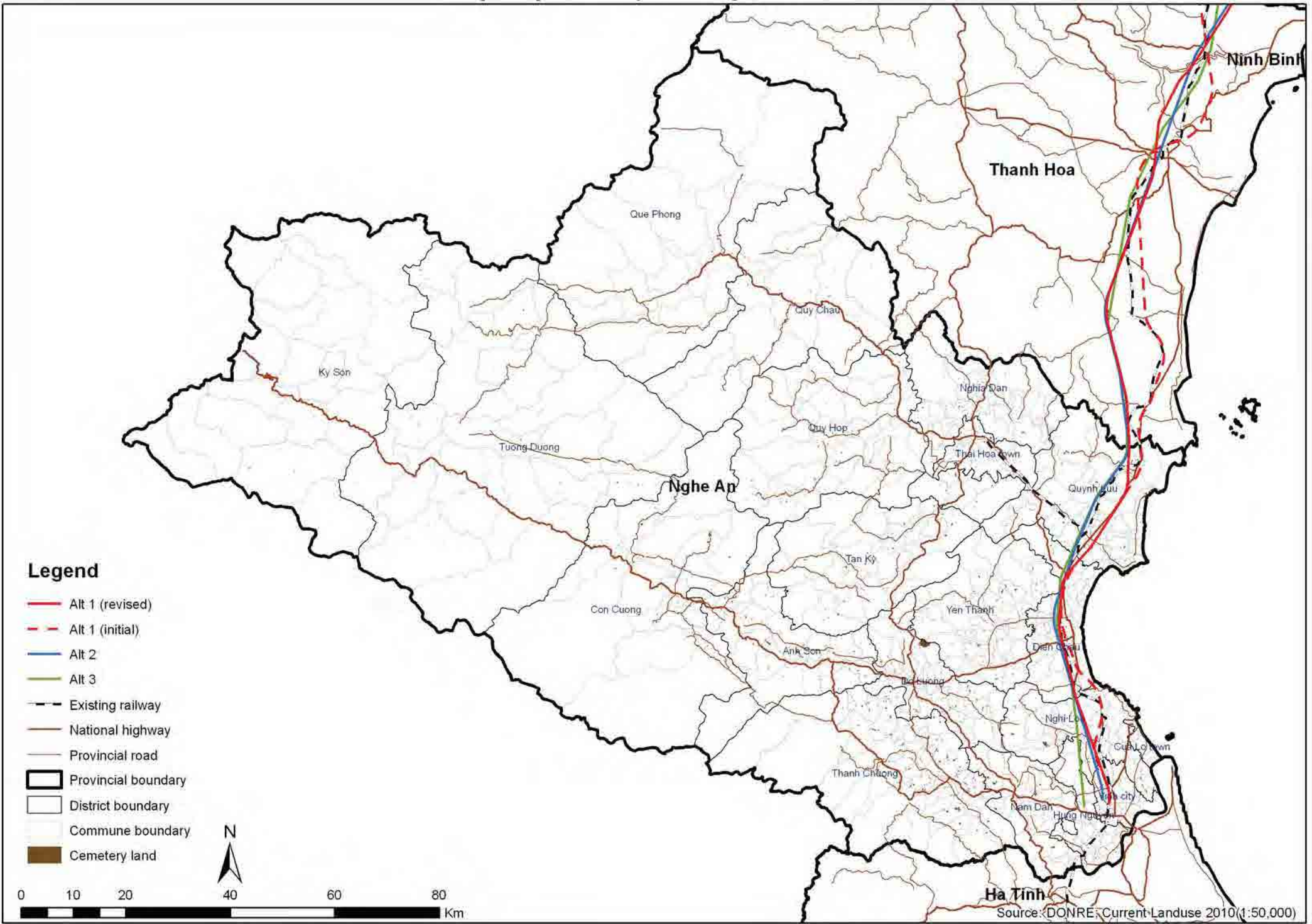






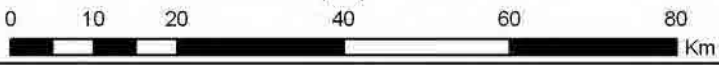
- Legend**
- Alt 1 (revised)
 - Alt 1 (initial)
 - Alt 2
 - Alt 3
 - Existing railway
 - National highway
 - Provincial road
 - District boundary
 - Commune boundary
 - Industrial zone land

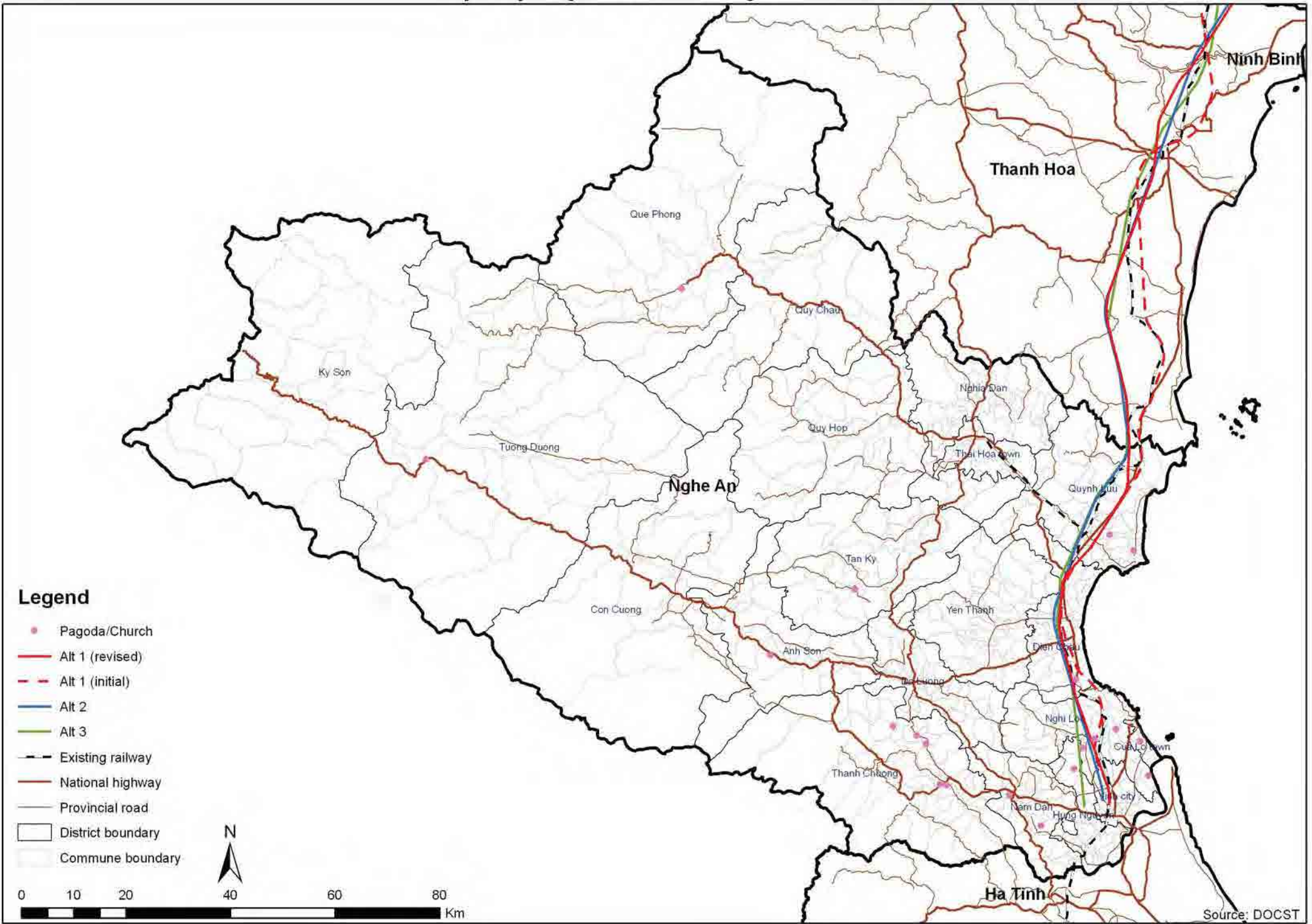


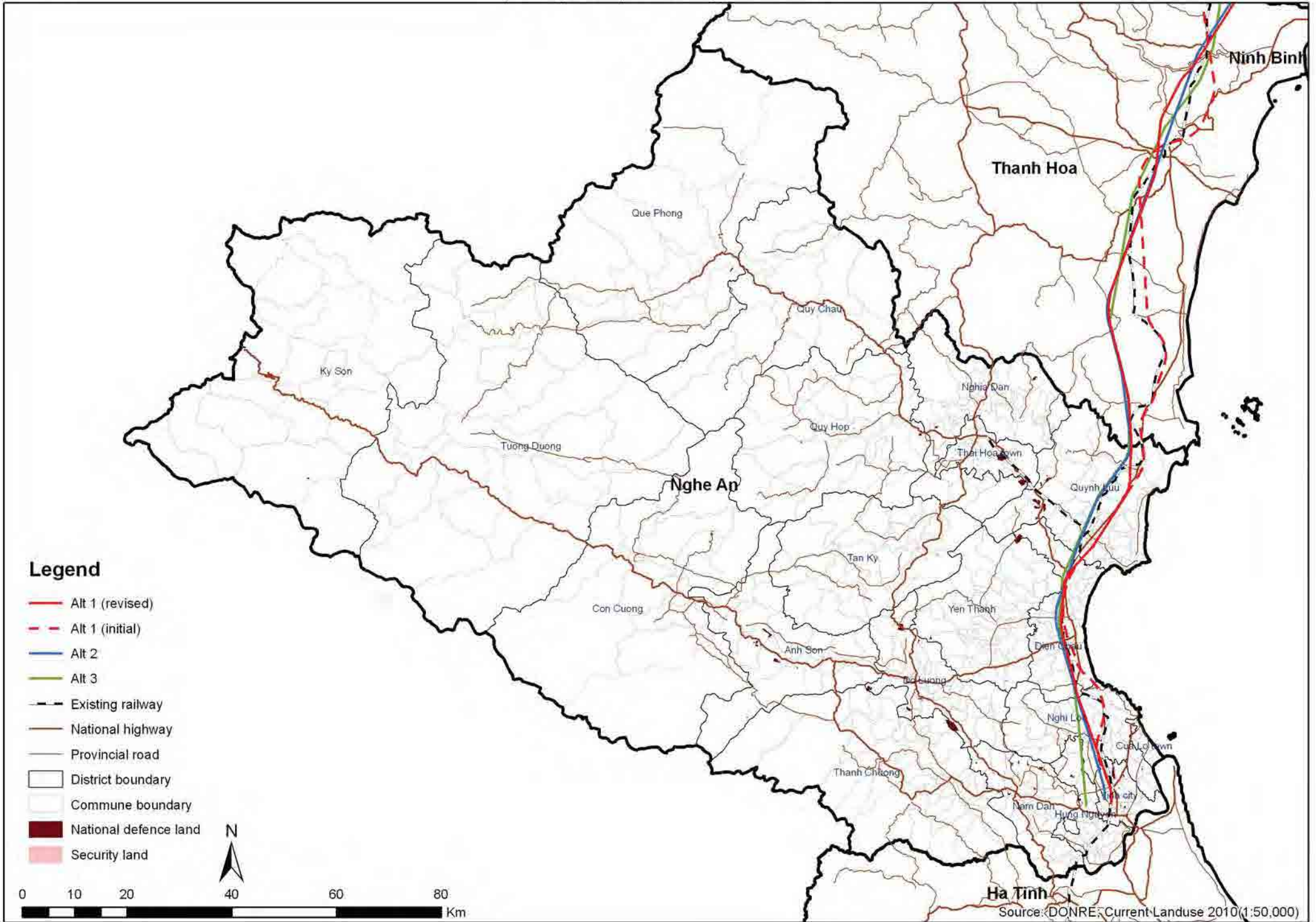


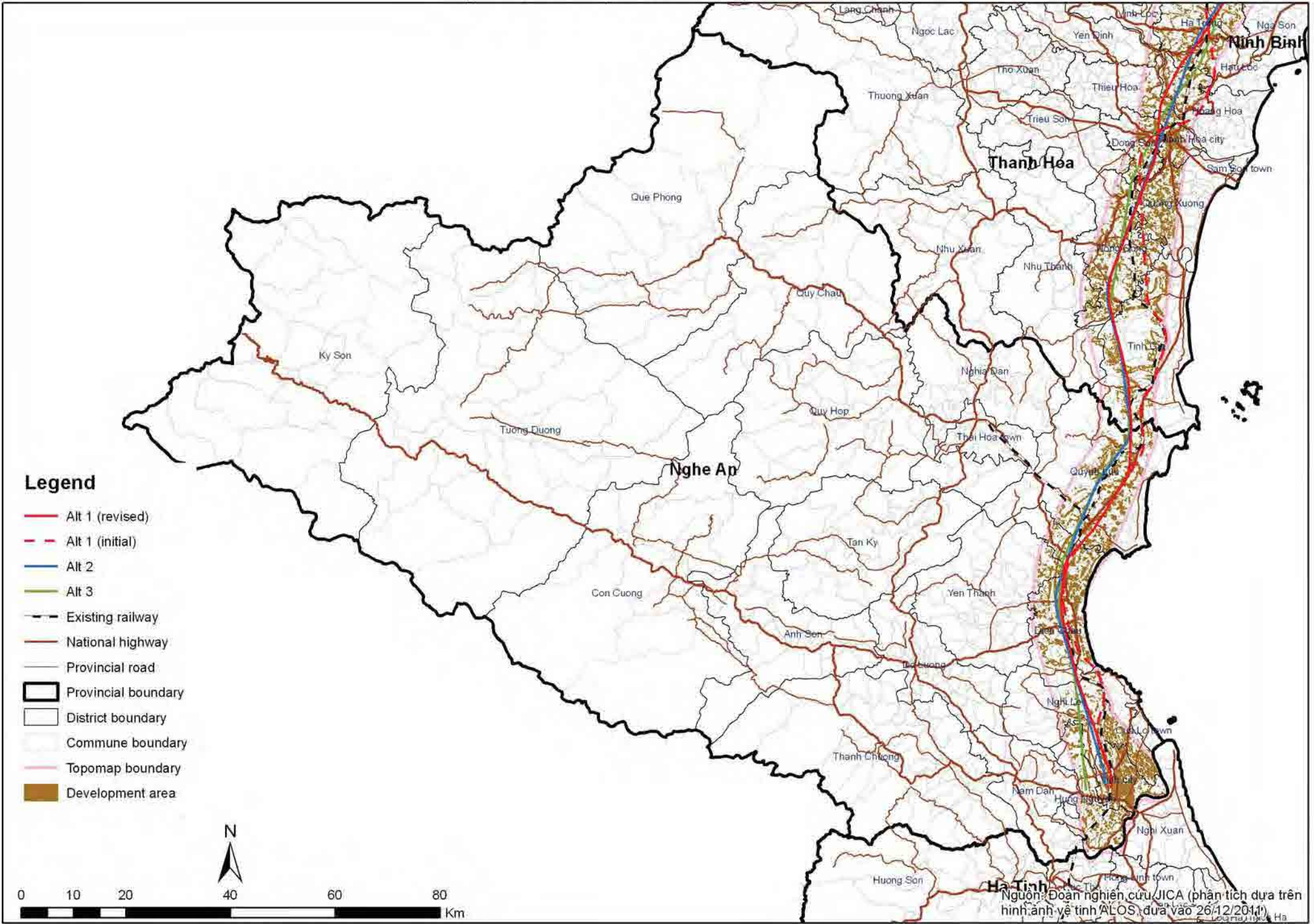
Legend

- Alt 1 (revised)
- - - Alt 1 (initial)
- Alt 2
- Alt 3
- - - Existing railway
- National highway
- Provincial road
- Provincial boundary
- District boundary
- Commune boundary
- Cemetery land



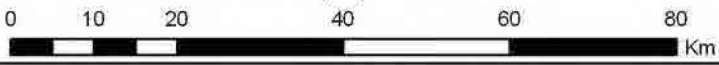




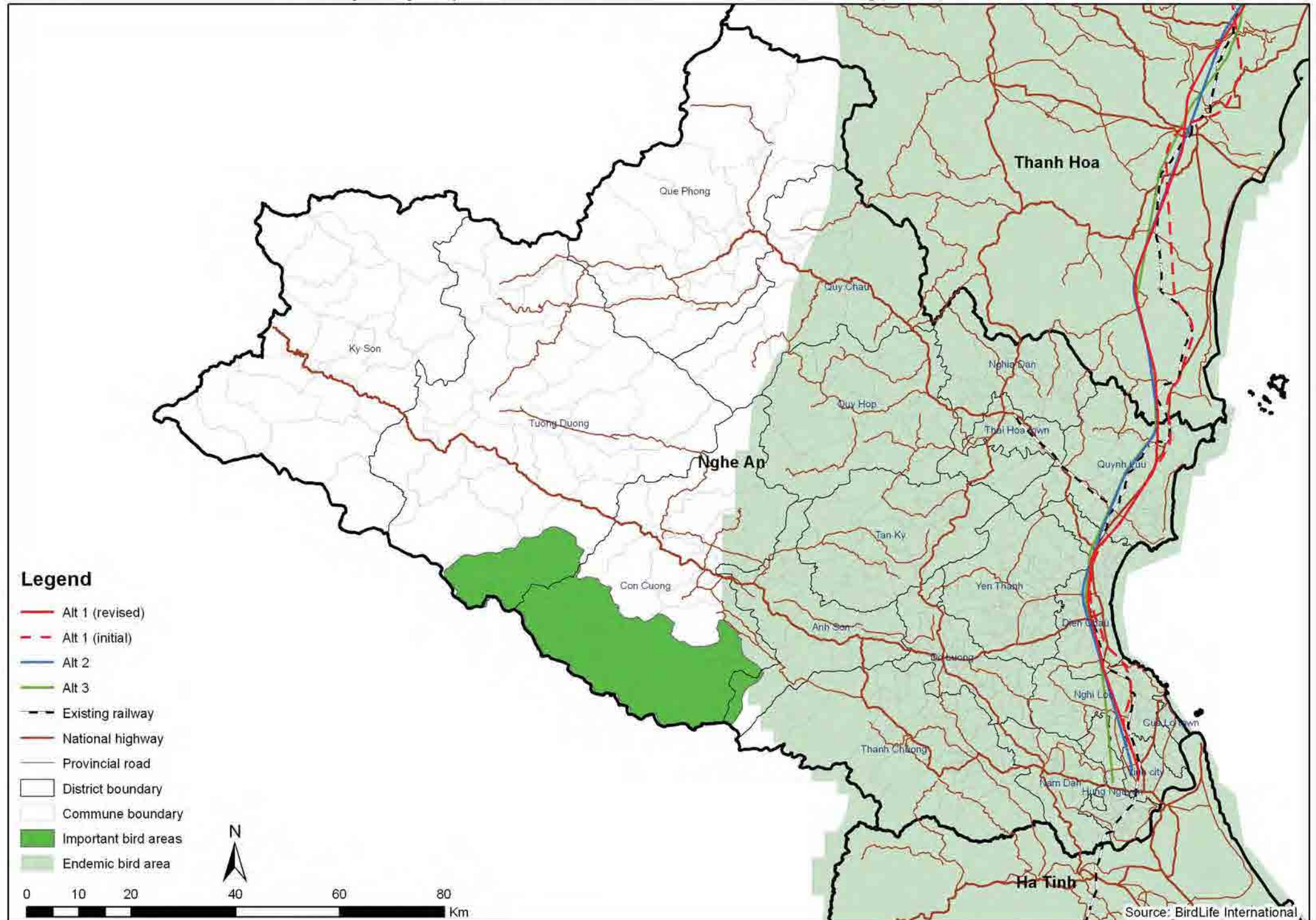


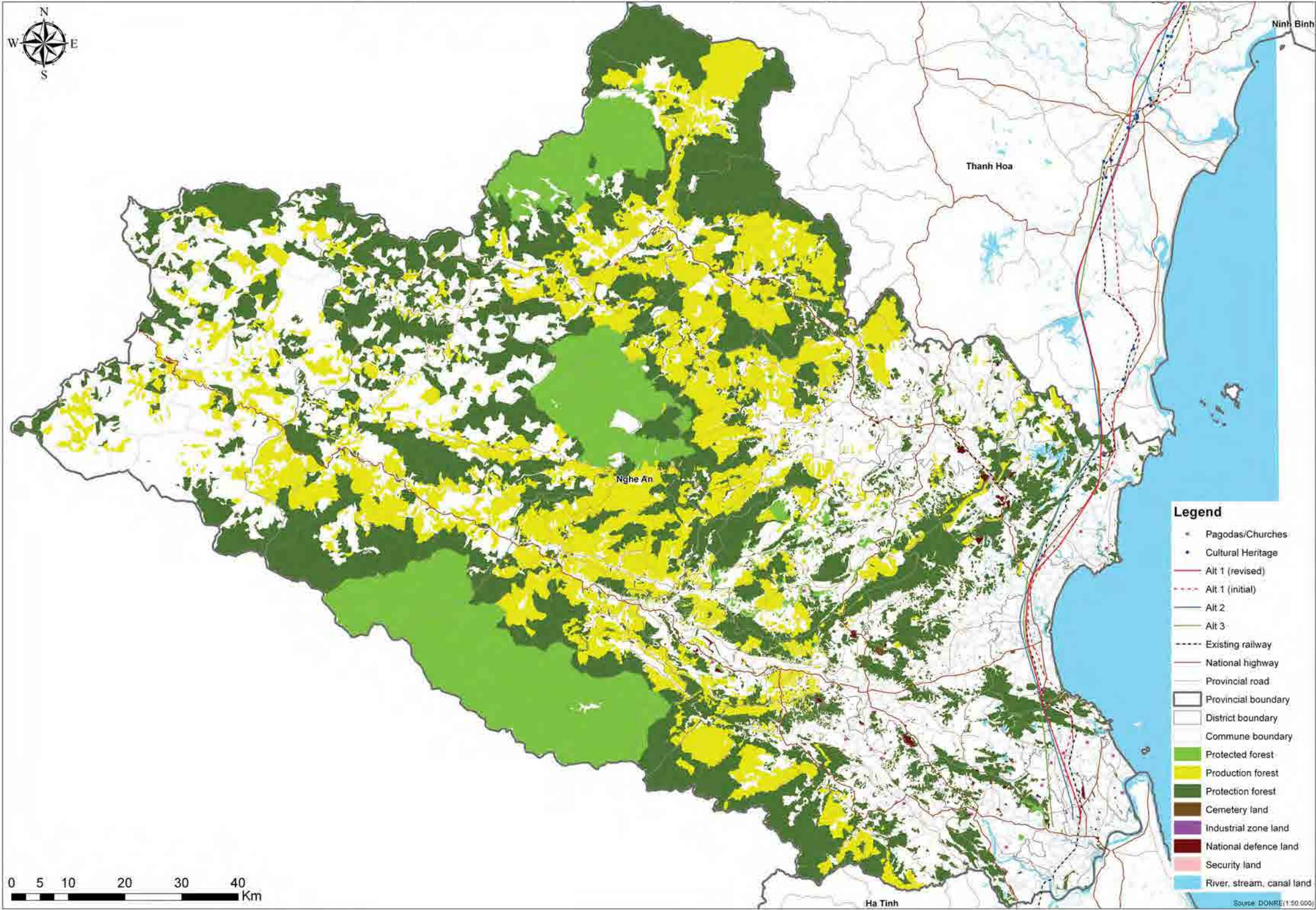
Legend

- Alt 1 (revised)
- - - Alt 1 (initial)
- Alt 2
- Alt 3
- Existing railway
- National highway
- Provincial road
- Provincial boundary
- District boundary
- Commune boundary
- Topomap boundary
- Development area



Nguồn: Đoàn nghiên cứu JICA (phân tích dựa trên hình ảnh vệ tinh ALOS, dựa vào 26/12/2011)





0 5 10 20 30 40 Km