



**ENVIRONMENTAL SCREENING REPORT:  
PROPOSED GROMIS-NAMA-AGGENEIS 400KV IPP  
INTEGRATION POWER LINE, NORTHERN CAPE  
PROVINCE**

Spatial Maps of Impact ratings

July 2020

**Prepared for:**



**Prepared by:**

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Today's Impact | Tomorrow's Legacy

## 1.1. INTRODUCTION

This report is the product of the 'Mapping Process and Explanatory Notes' compiled by Enviroworks (Du Plessis, 2020) as part of the Screening Process for the development a new 400 kV power line from the Gromis substation via the Nama substation towards the Aggeneis substation in the Northern Cape Province for Independent Power Provider's (IPP) integration. This report is an appendix of the main Environmental Screening Report (Mostert, 2020) and should be read in conjunction with it.

Eskom proposes to develop a new power line from the Gromis substation via the Nama substation towards the Aggeneis substation in the Northern Cape Province.

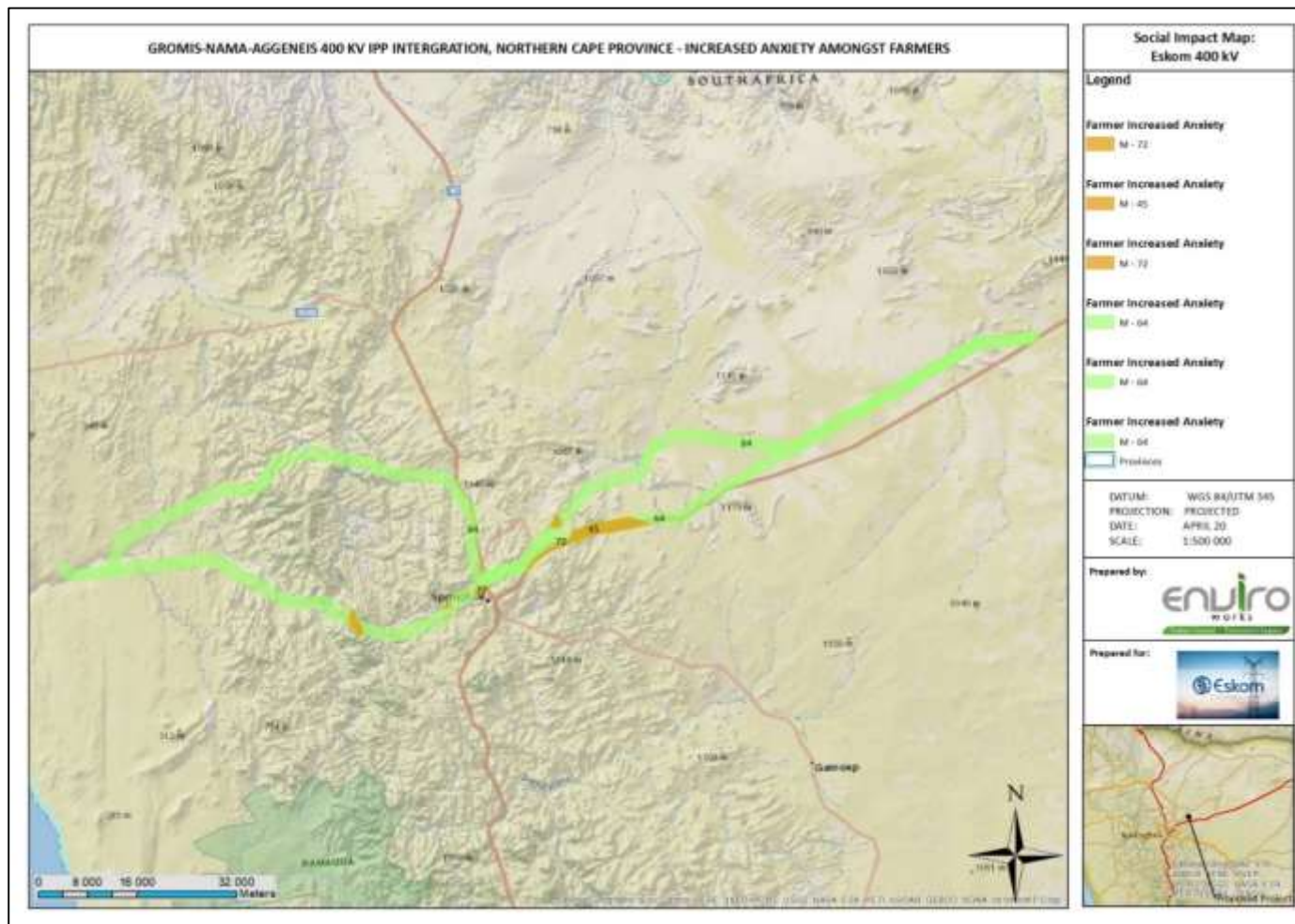
In order to ensure that the Namaqualand electricity network is compliant and that there is sufficient line capacity to accommodate potential Independent Power Producers (IPPs) within the Namaqualand area, it is proposed to develop the new Gromis-Nama-Aggeneis 400 kV line and establishment of a 400/132 kV yard at the Nama substation. This Screening Assessment aims to assess possible route (hereafter referred to as corridor) alternatives for the proposed new power line. This project follows after a Strategic Environmental Assessment (SEA) was undertaken by CSIR that identified nationwide corridors for the strategic expansion of Electricity Grid Infrastructure (EGI).

As part of the Environmental Screening Process, a set of Specialist's identified impacts related to the proposed project according to their specialist field. Each impact was rated by the Specialists according to a standardised Impact Rating methodology. As part of the mapping process, each impact rating was then spatially mapped to the alternative corridors. The section below illustrates the resulting Impact Rating maps of each of the identified impacts.

## 2. SOCIO-ECONOMIC IMPACTS

### 2.1. Social Impacts

#### a. Construction phase



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

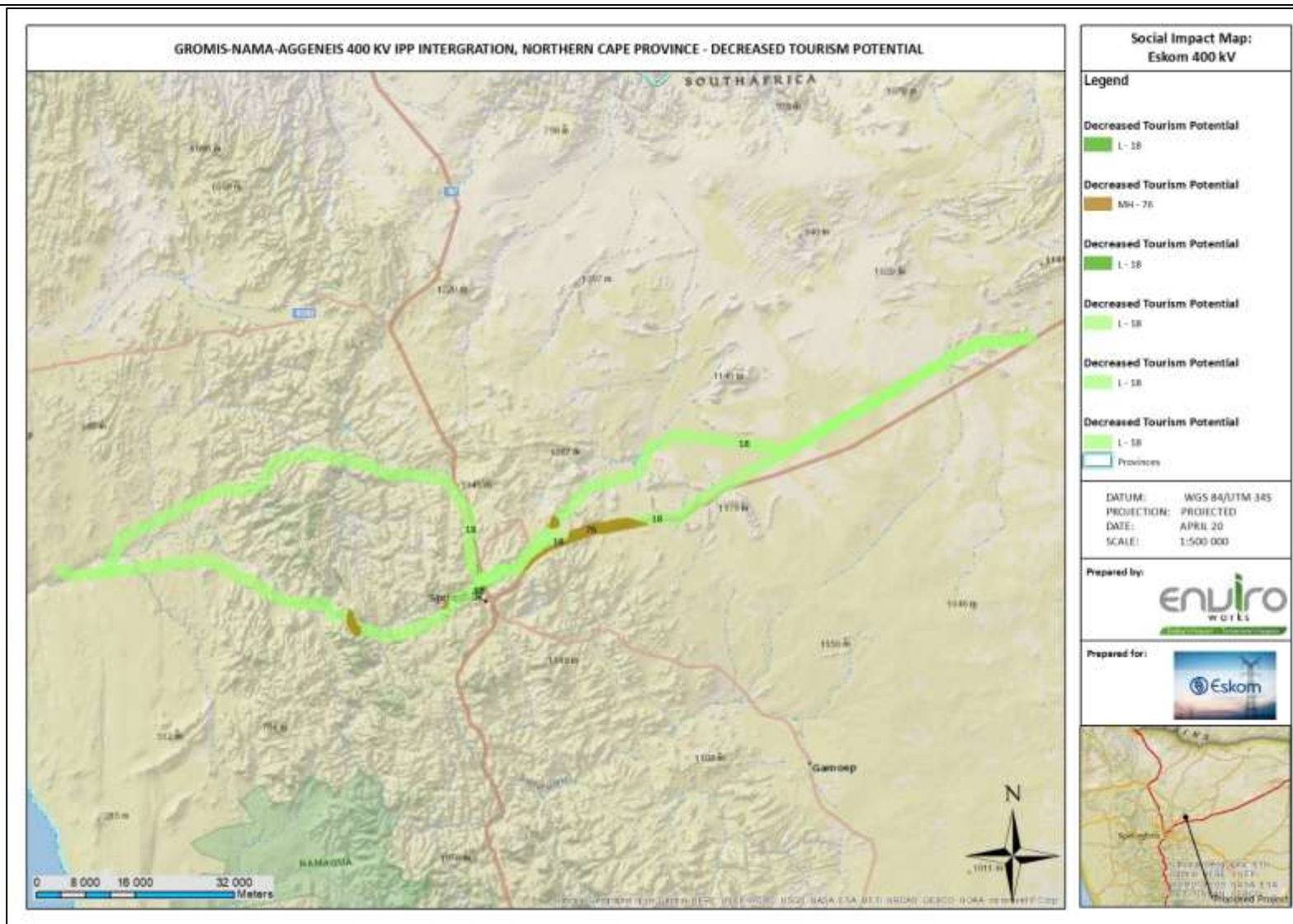


Figure 2 DECREASED TOURISM POTENTIAL, IMPACT RATING MAP FOR THE CONSTRUCTION PHASE

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

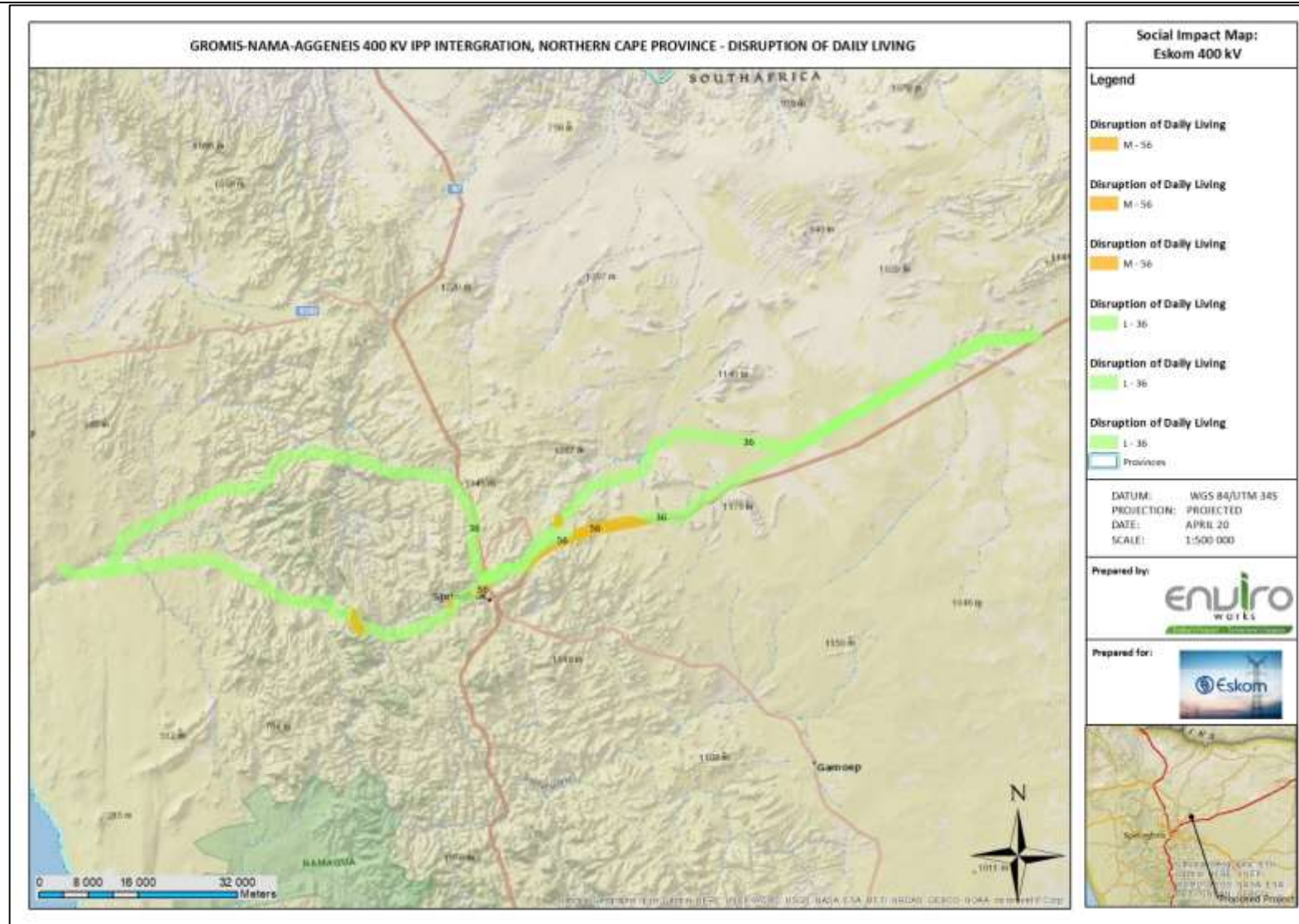


Figure 3 DISRUPTION OF DAILY LIVING, IMPACT RATING MAP FOR THE CONSTRUCTION PHASE

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

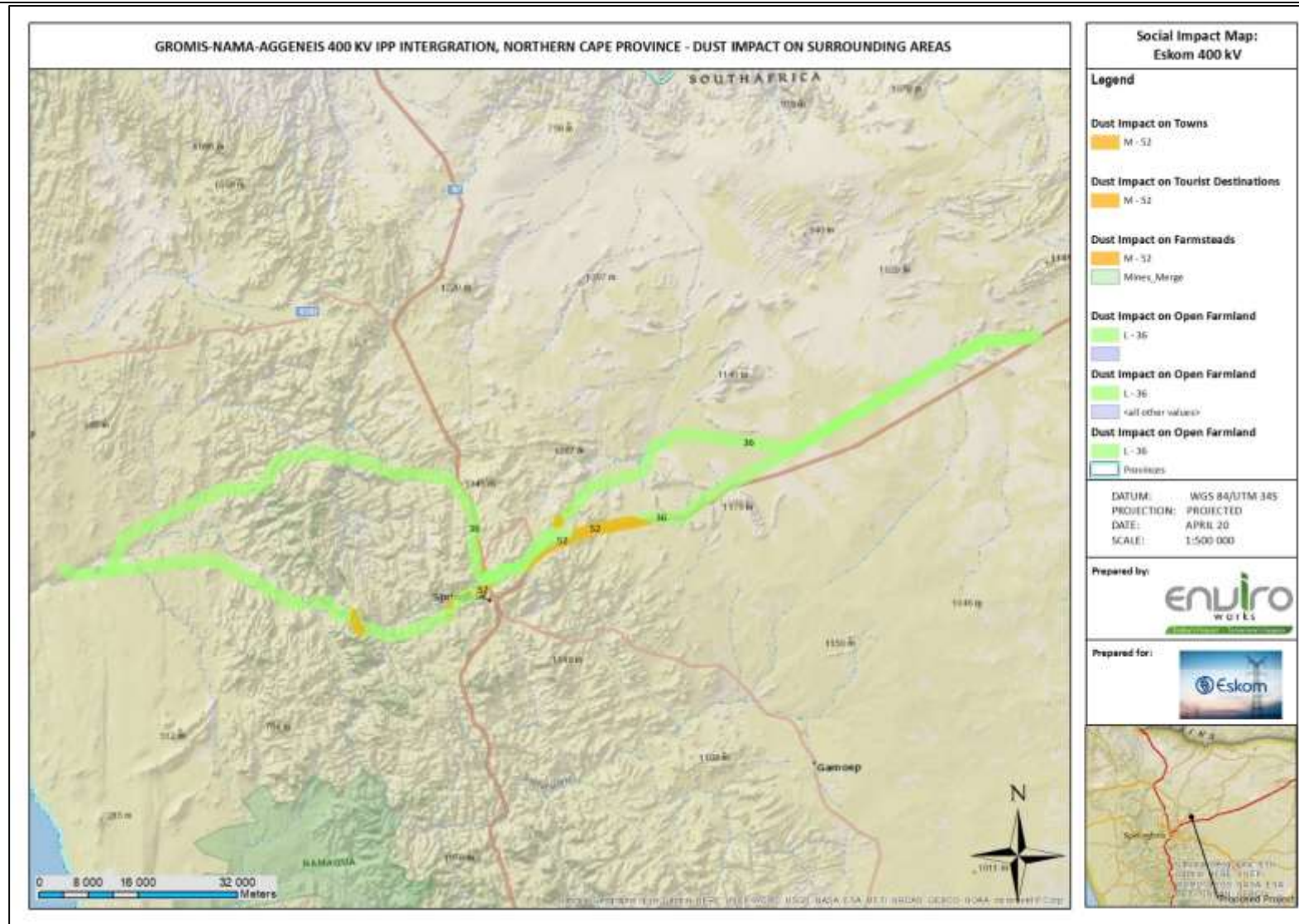
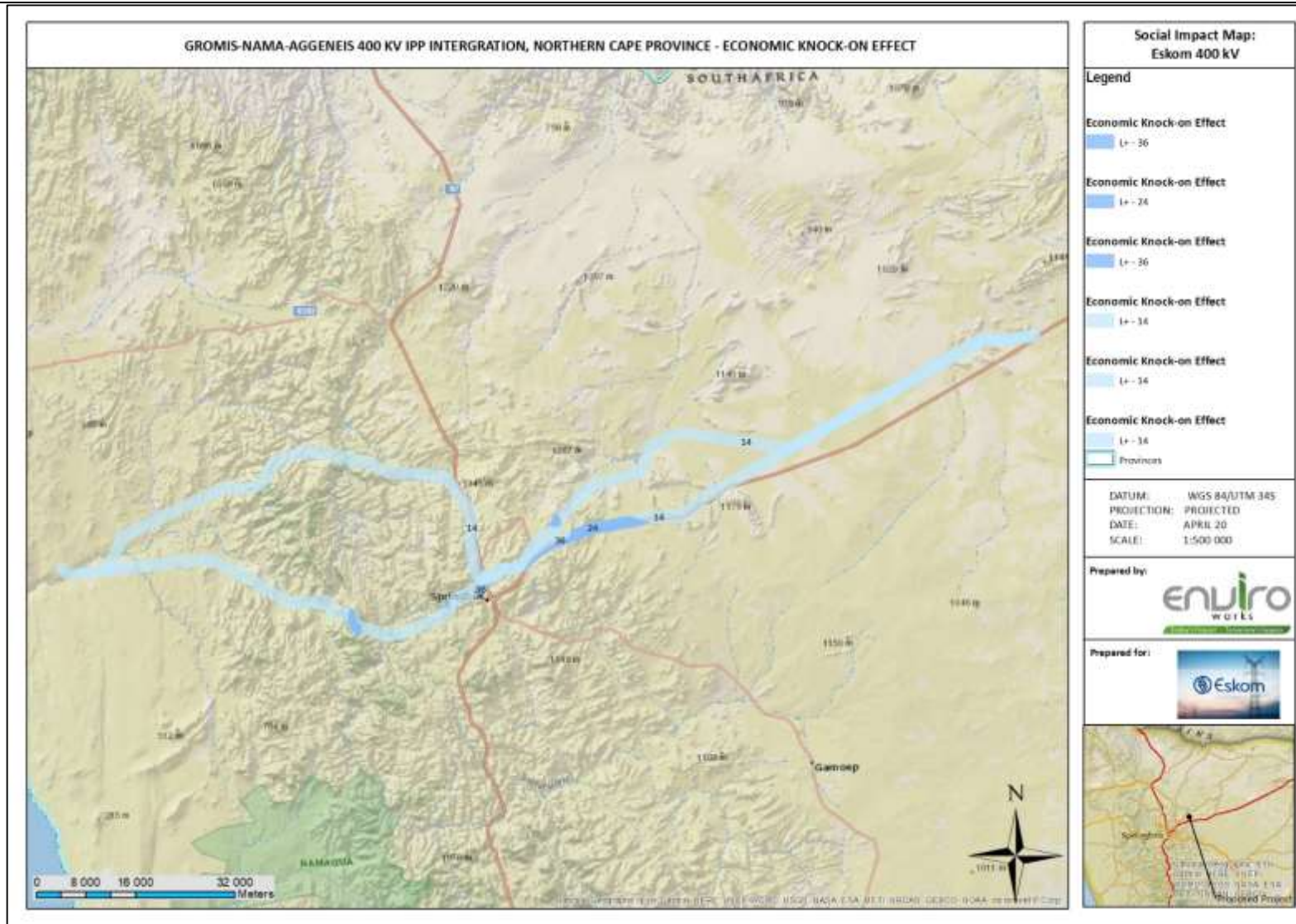


Figure 4 DUST IMPACT ON SURROUNDING AREAS, IMPACT RATING MAP FOR THE CONSTRUCTION PHASE

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

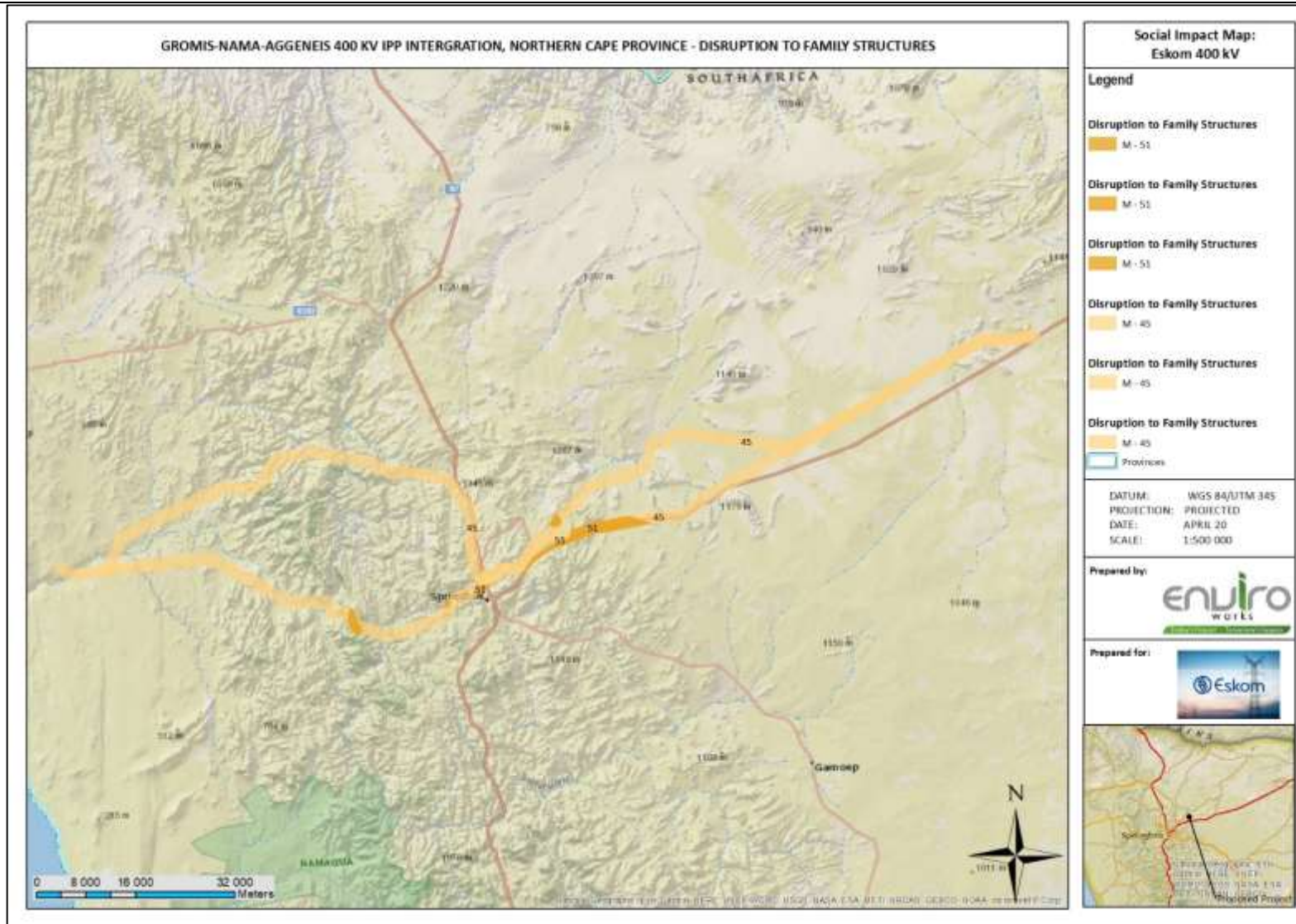


Figure 6 DISRUPTION TO FAMILY STRUCTURES, IMPACT RATING MAP FOR THE CONSTRUCTION PHASE



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEIS 400KV IPP INTEGRATION POWER LINE

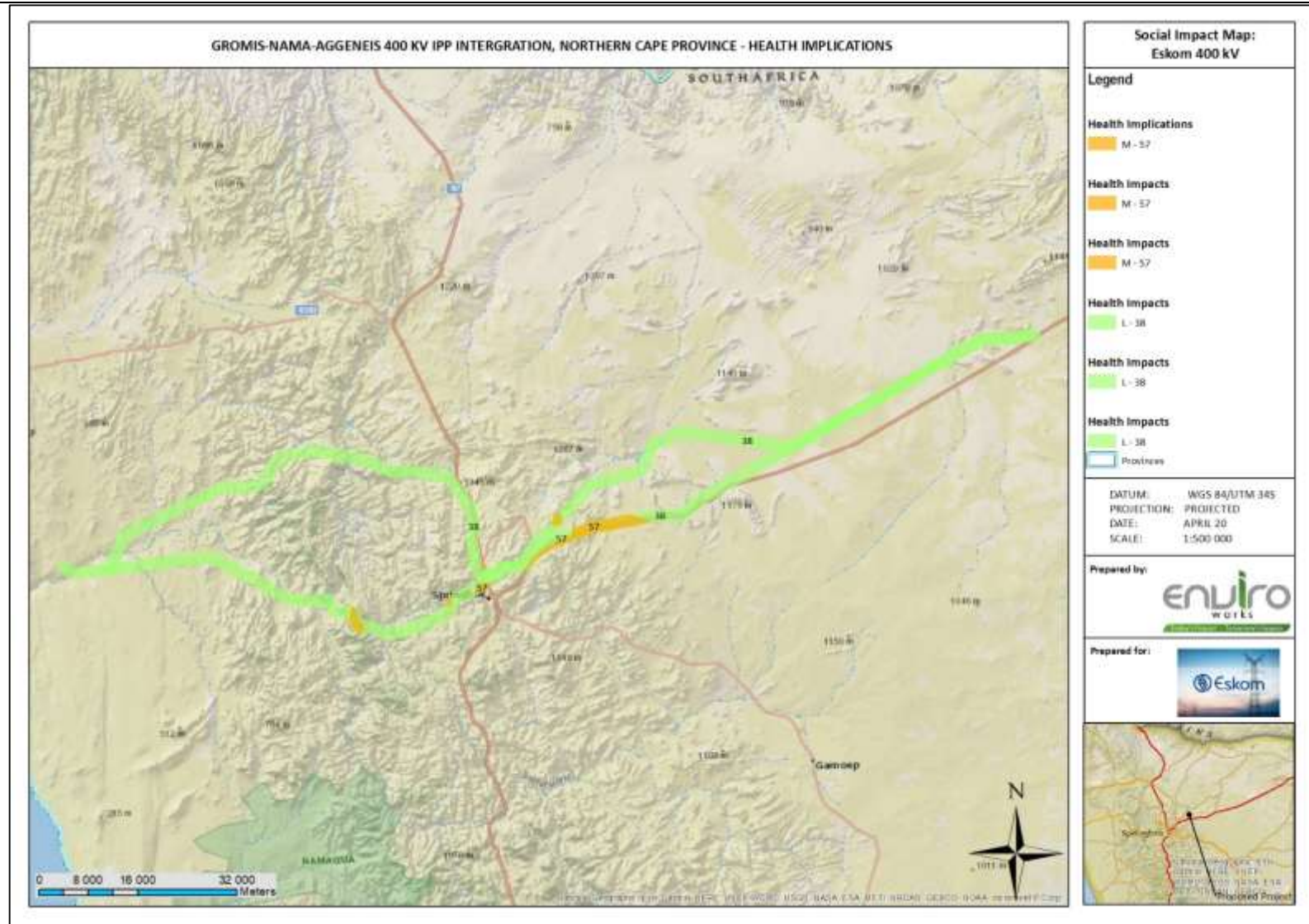


Figure 7 HEALTH IMPLICATIONS, IMPACT RATING MAP FOR THE CONSTRUCTION PHASE

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

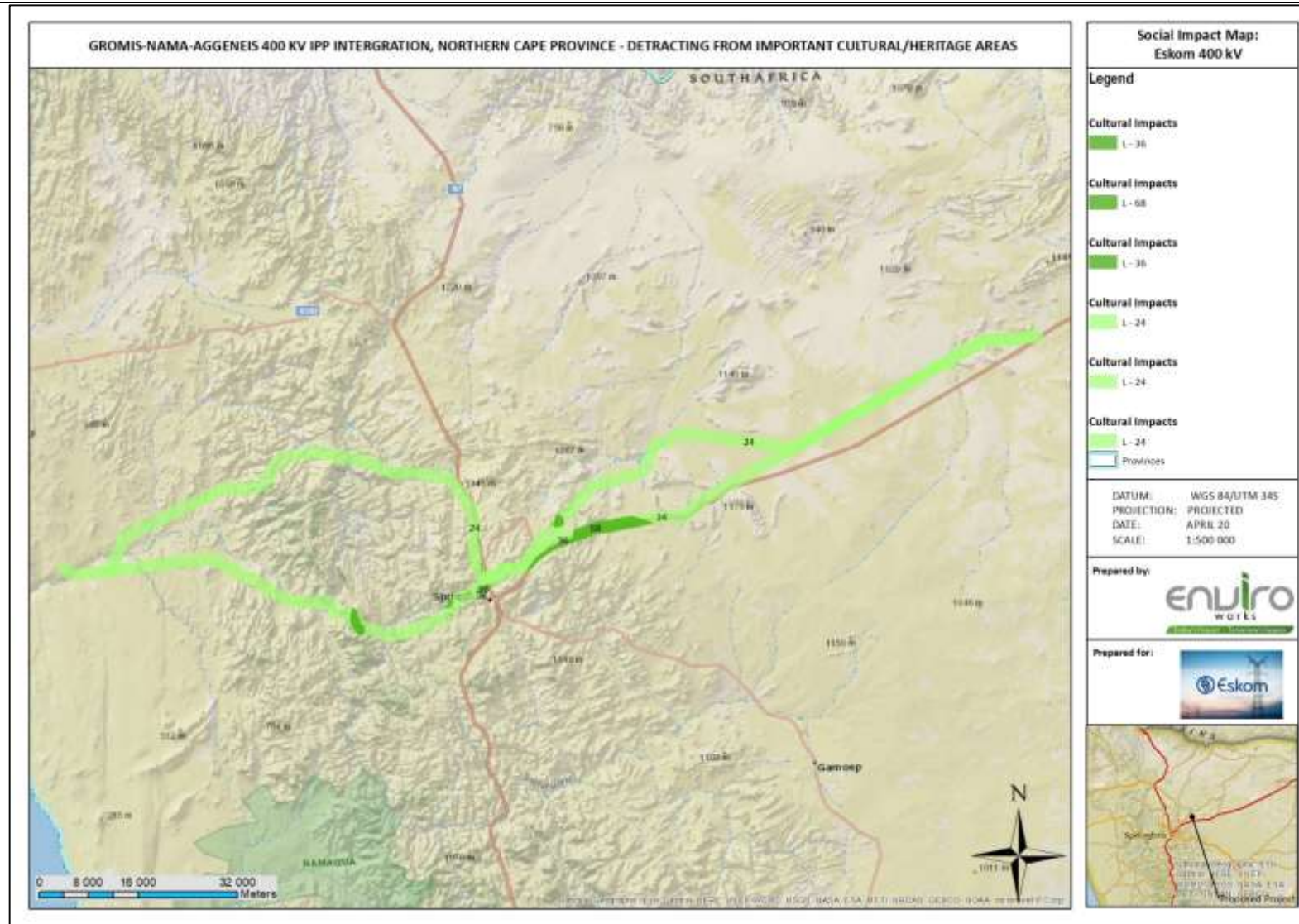


Figure 8 DETRACTING FROM IMPORTANT CULTURAL/HERITAGE AREAS, IMPACT RATING MAP FOR THE CONSTRUCTION PHASE

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

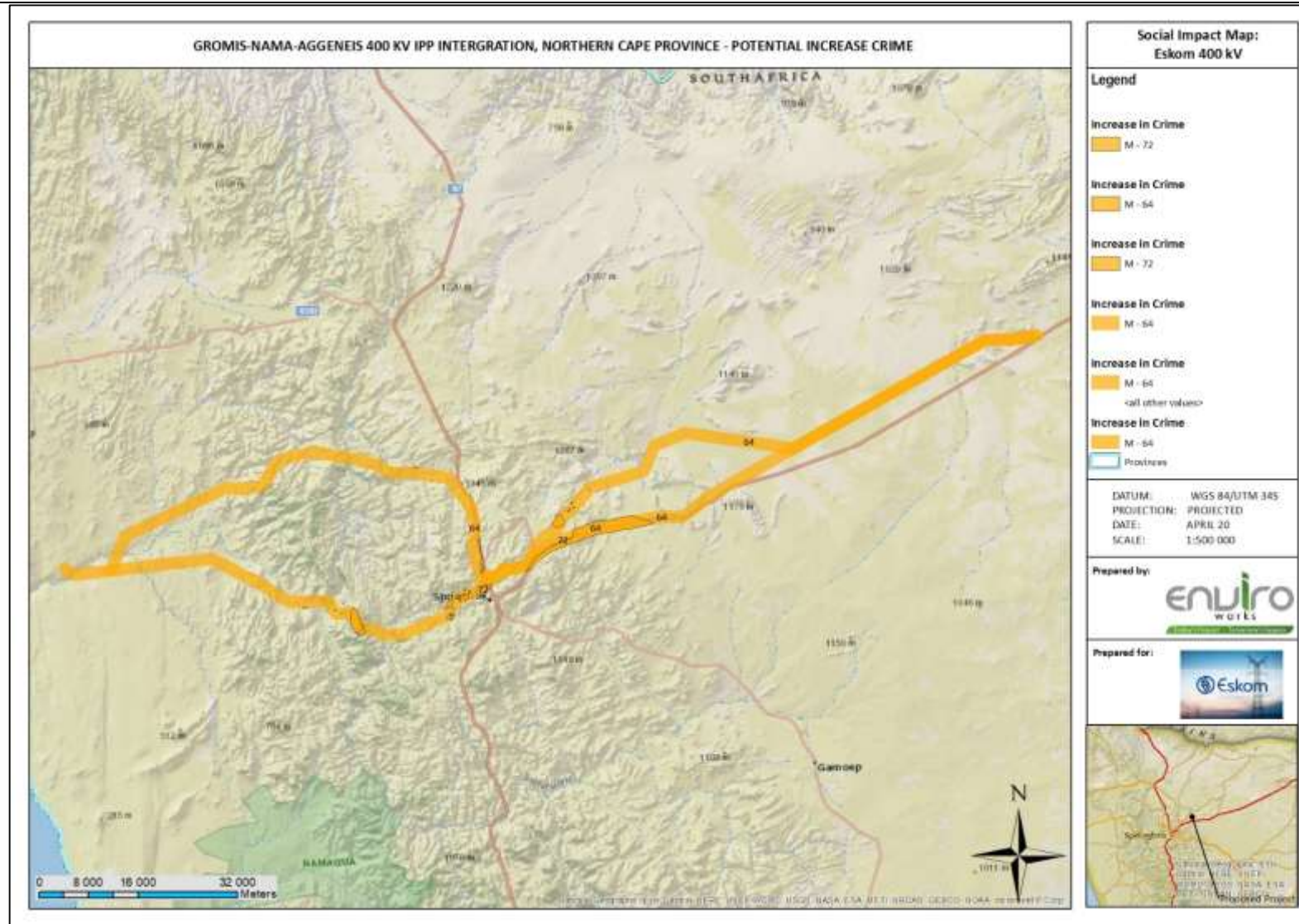


Figure 9 POTENTIAL INCREASE IN CRIME, IMPACT RATING MAP FOR THE CONSTRUCTION PHASE

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

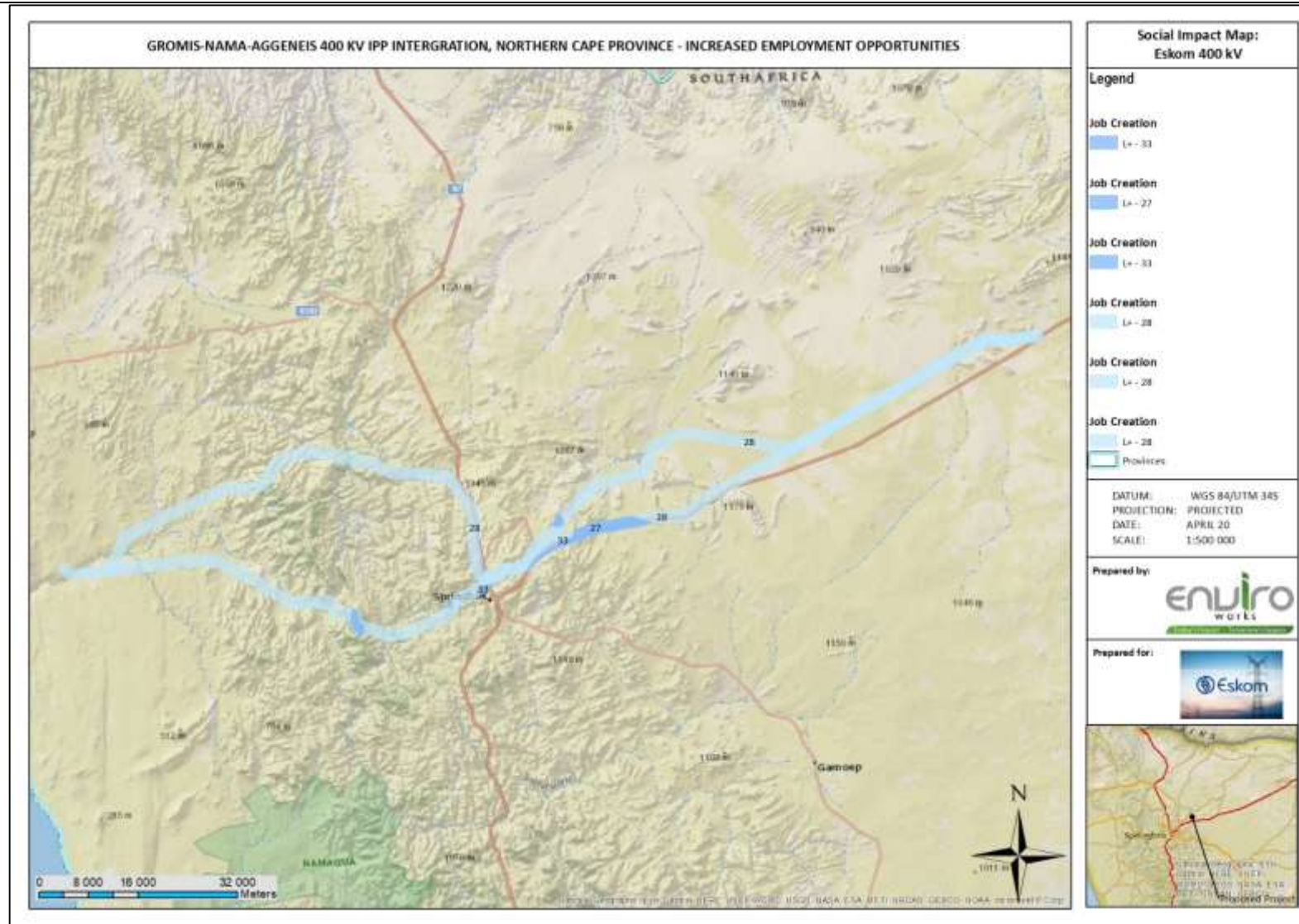


Figure 10 INCREASED EMPLOYMENT OPPORTUNITIES, IMPACT RATING MAP FOR THE CONSTRUCTION PHASE

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEIS 400KV IPP INTEGRATION POWER LINE

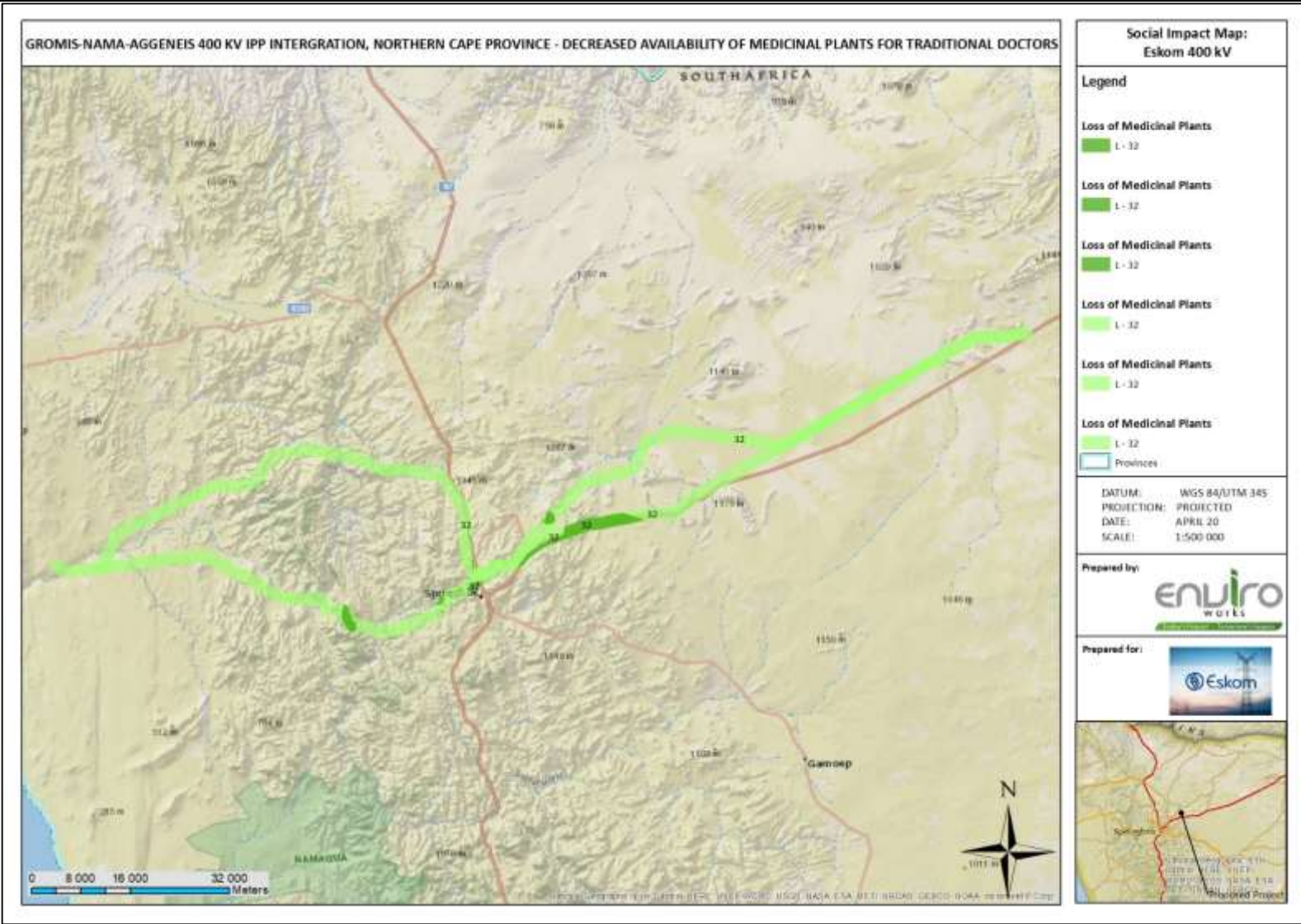


Figure 11 DECREASED AVAILABILITY OF MEDICINAL PLANTS FOR TRADITIONAL DOCTORS, IMPACT RATING MAP FOR THE CONSTRUCTION PHASE

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

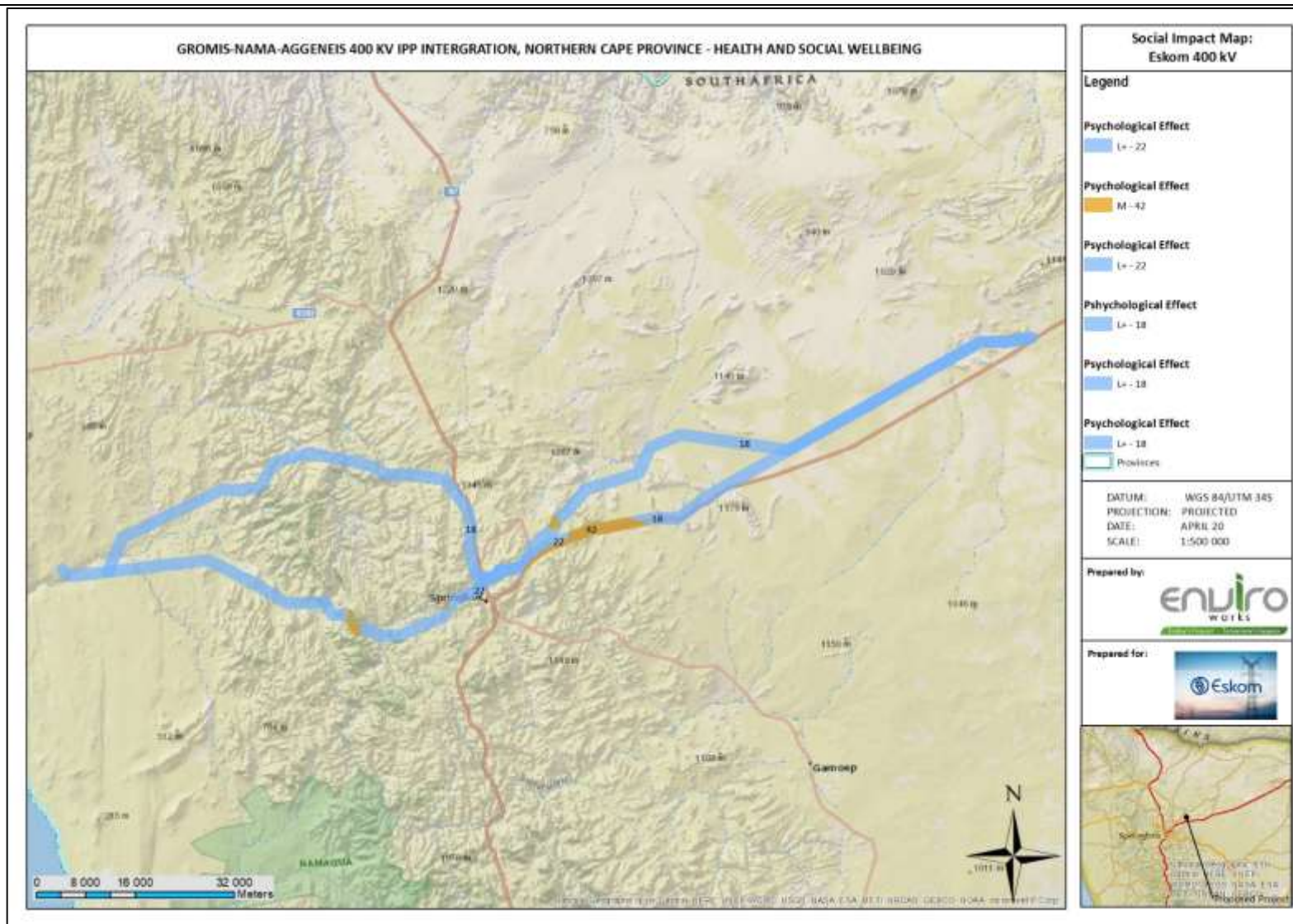


Figure 12 HEALTH AND SOCIAL WELLBEING, IMPACT RATING MAP FOR THE CONSTRUCTION PHASE

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

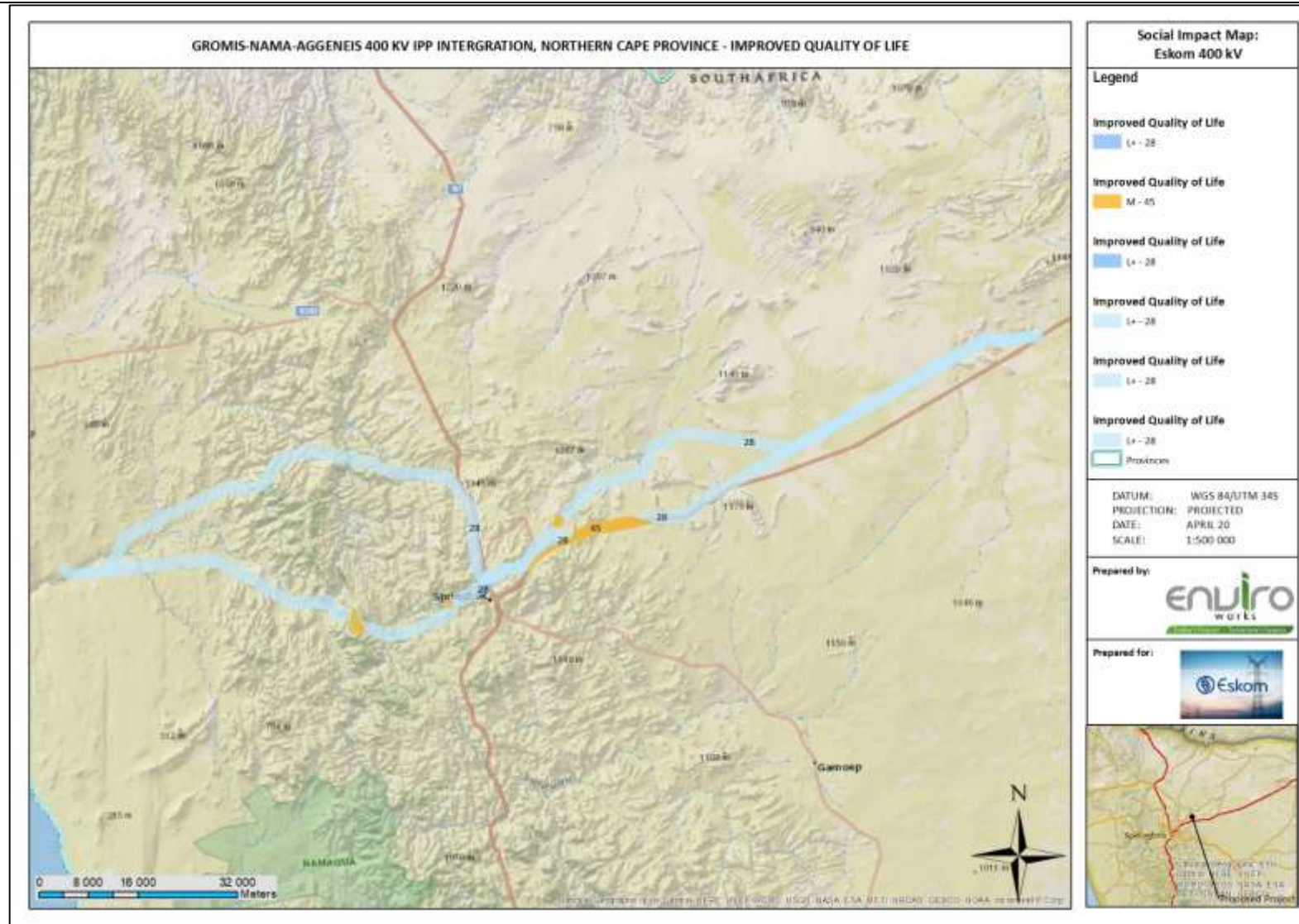


Figure 13 IMPROVED QUALITY OF LIFE, IMPACT RATING MAP FOR THE CONSTRUCTION PHASE

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

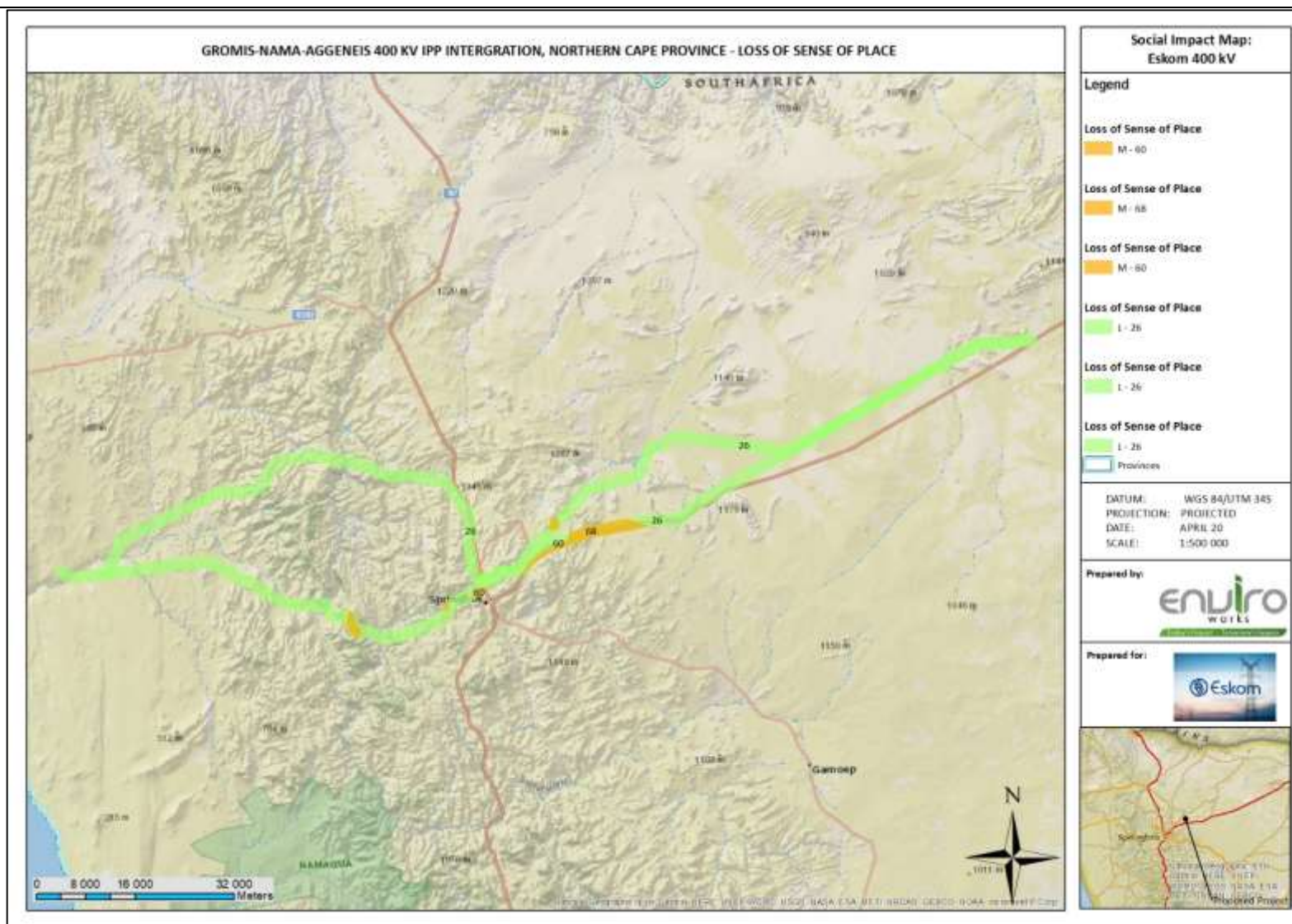


Figure 14 LOSS OF SENSE OF PLACE, IMPACT RATING MAP FOR THE CONSTRUCTION PHASE



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

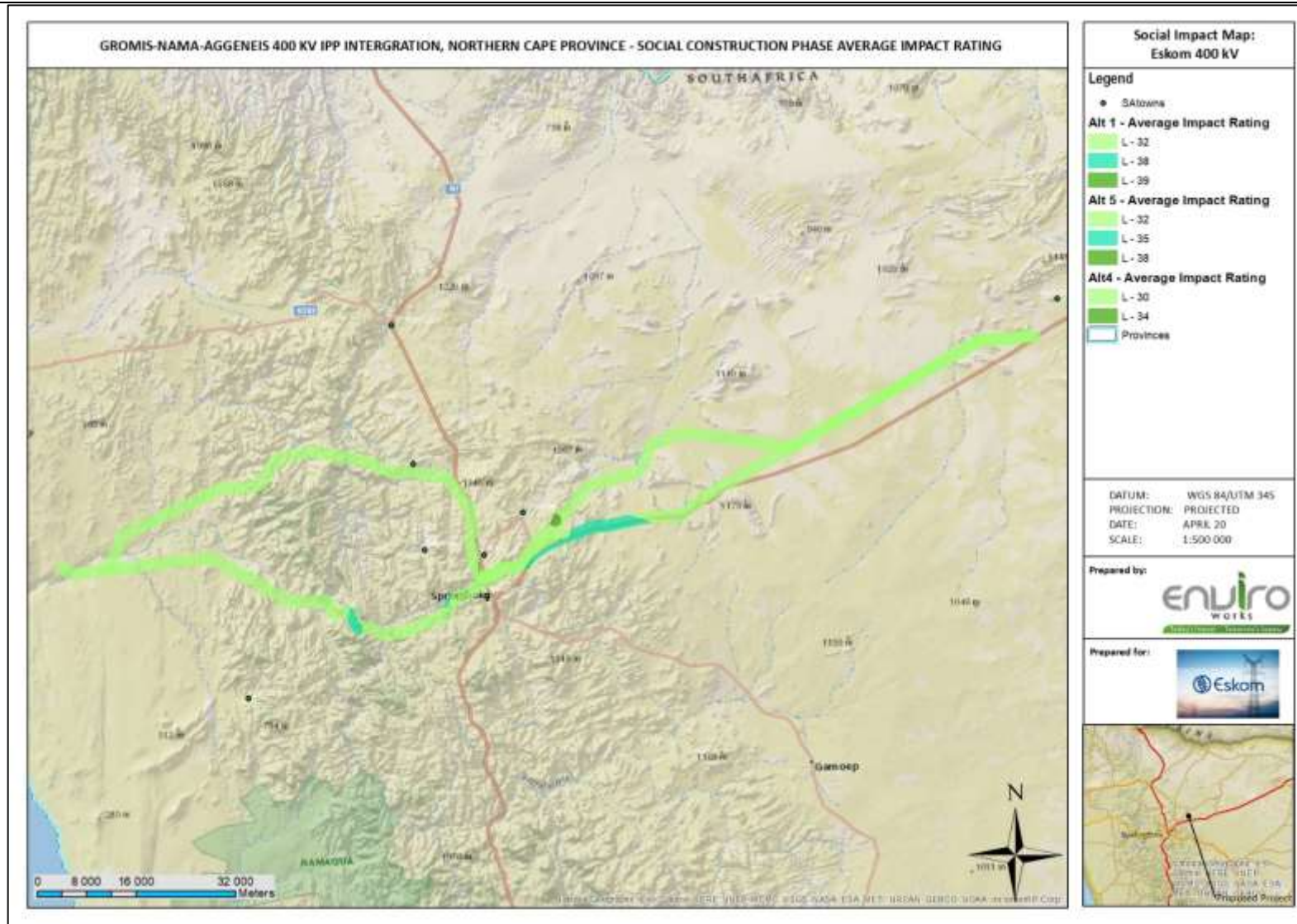
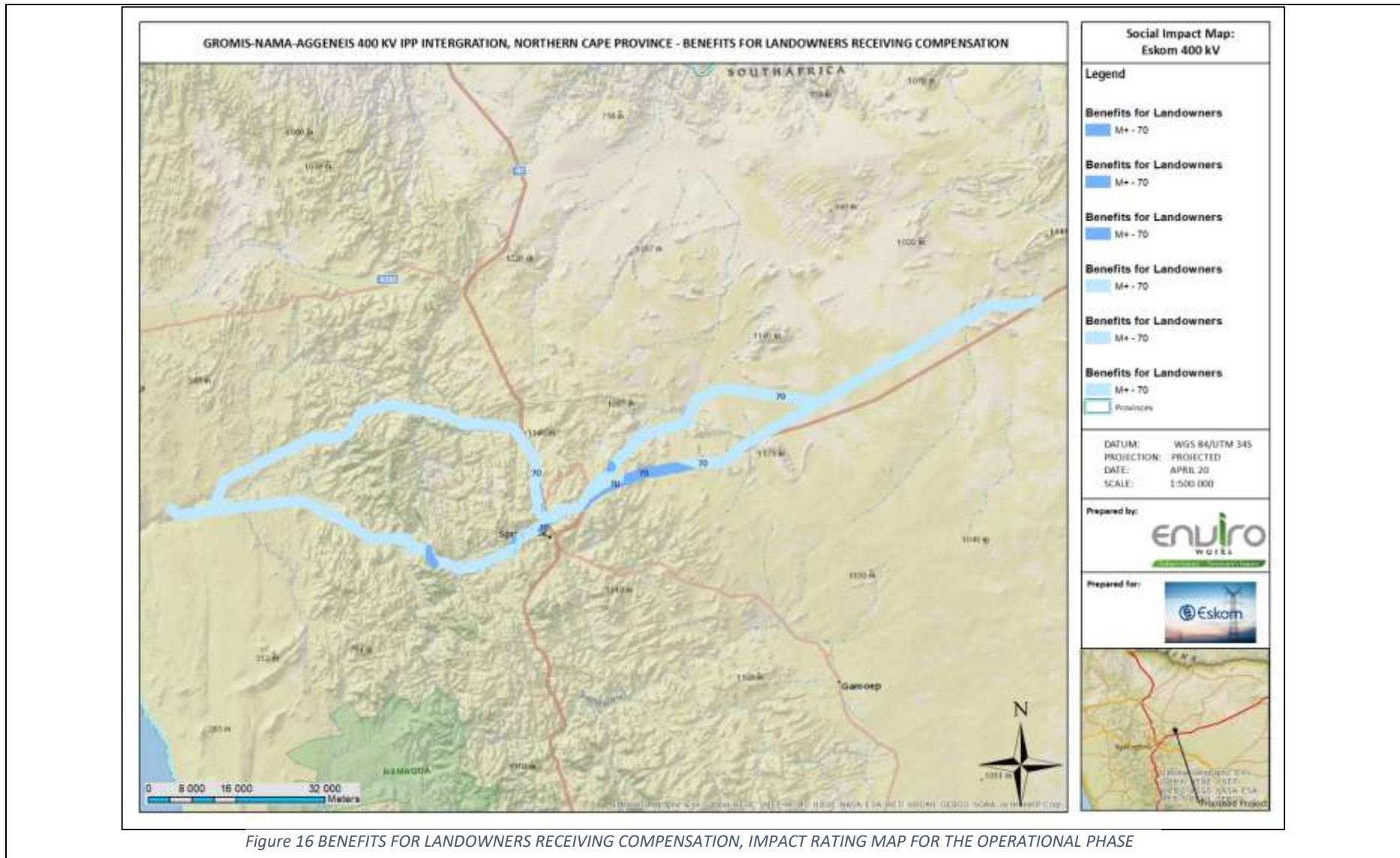


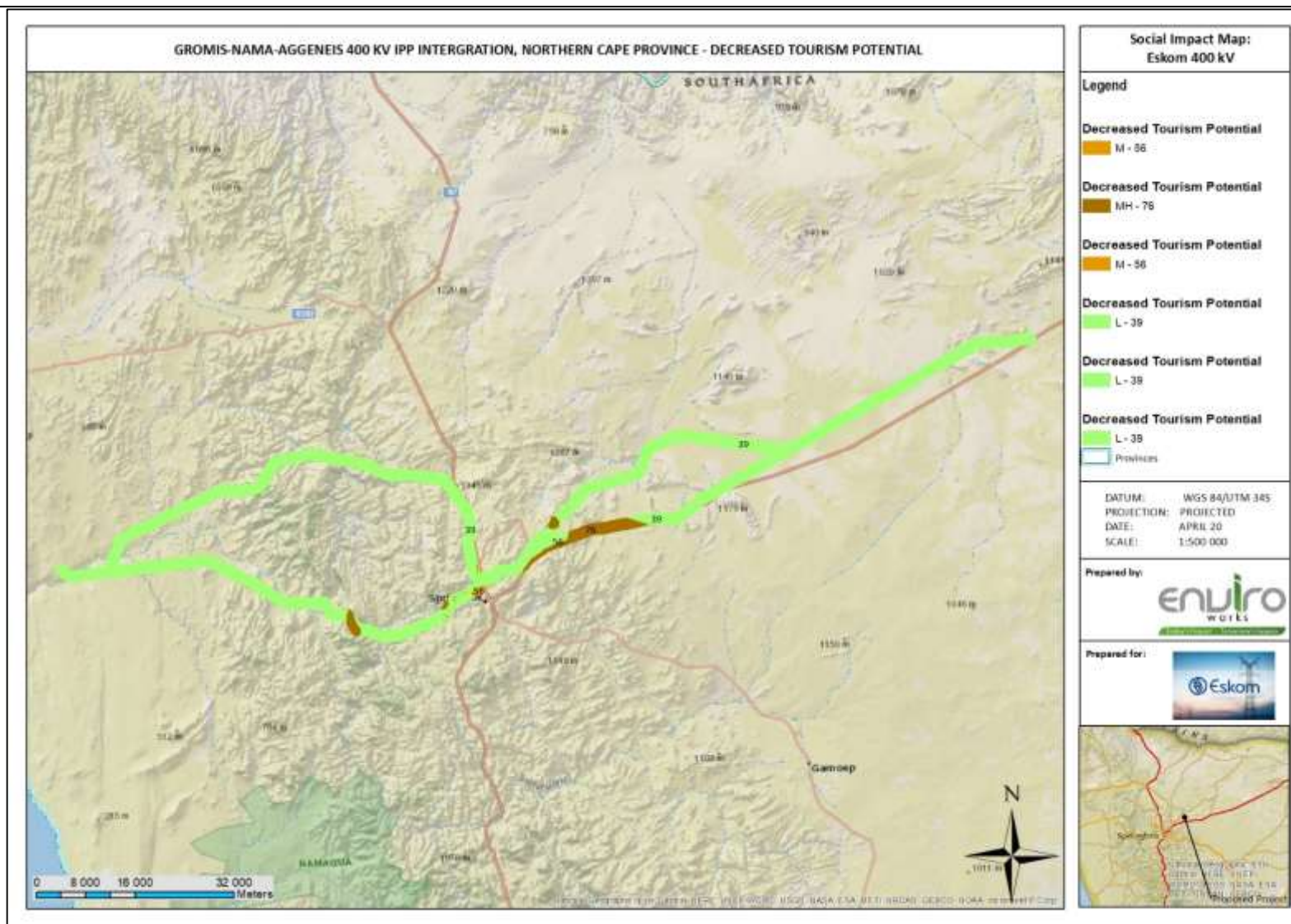
Figure 15 AVERAGE SOCIAL IMPACT RATING MAP FOR THE CONSTRUCTION PHASE

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

b. Operational phase



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEIS 400KV IPP INTEGRATION POWER LINE



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

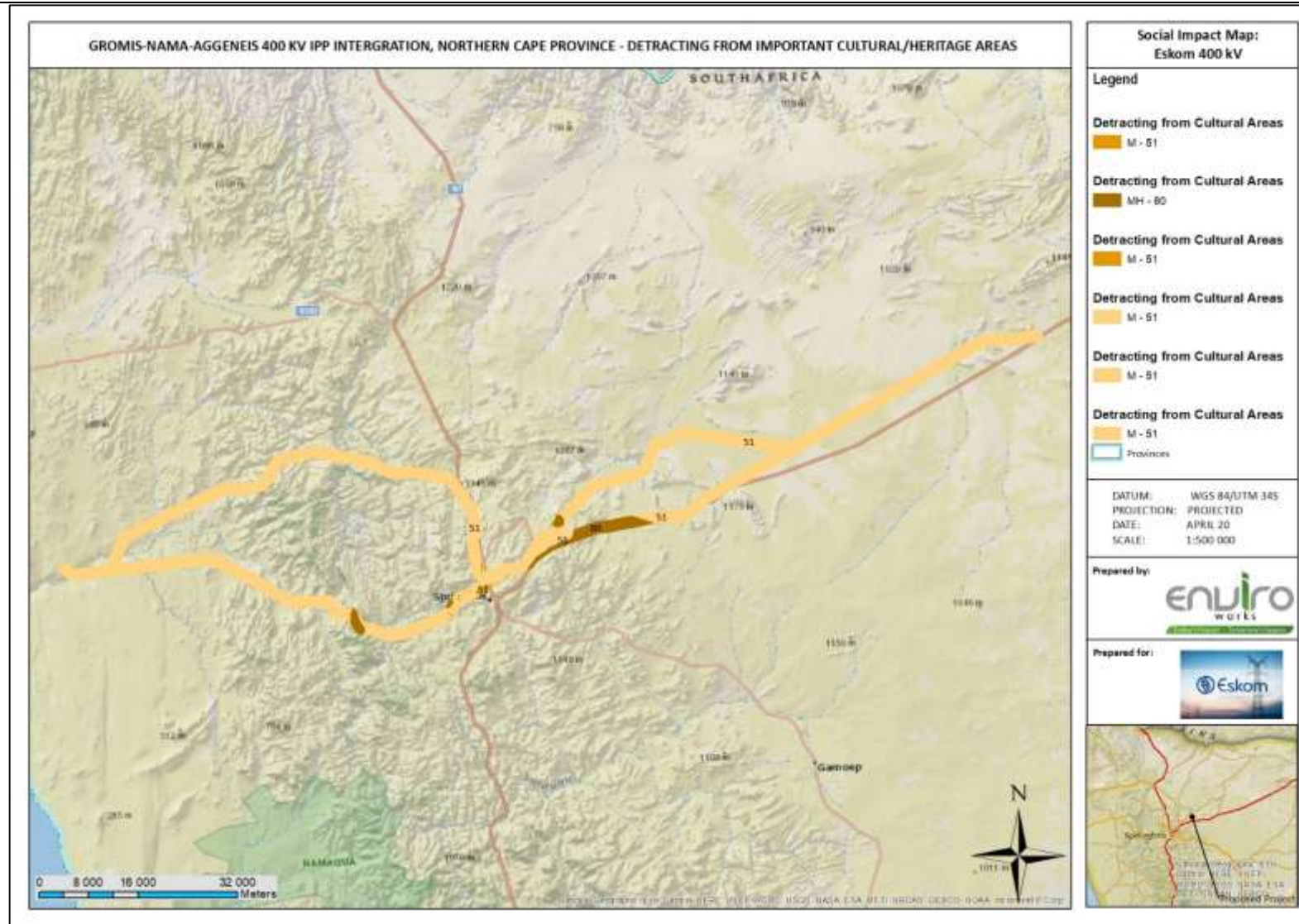


Figure 18 DETRACTING FROM IMPORTANT CULTURAL/HERITAGE AREAS, IMPACT RATING MAP FOR THE OPERATIONAL PHASE

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

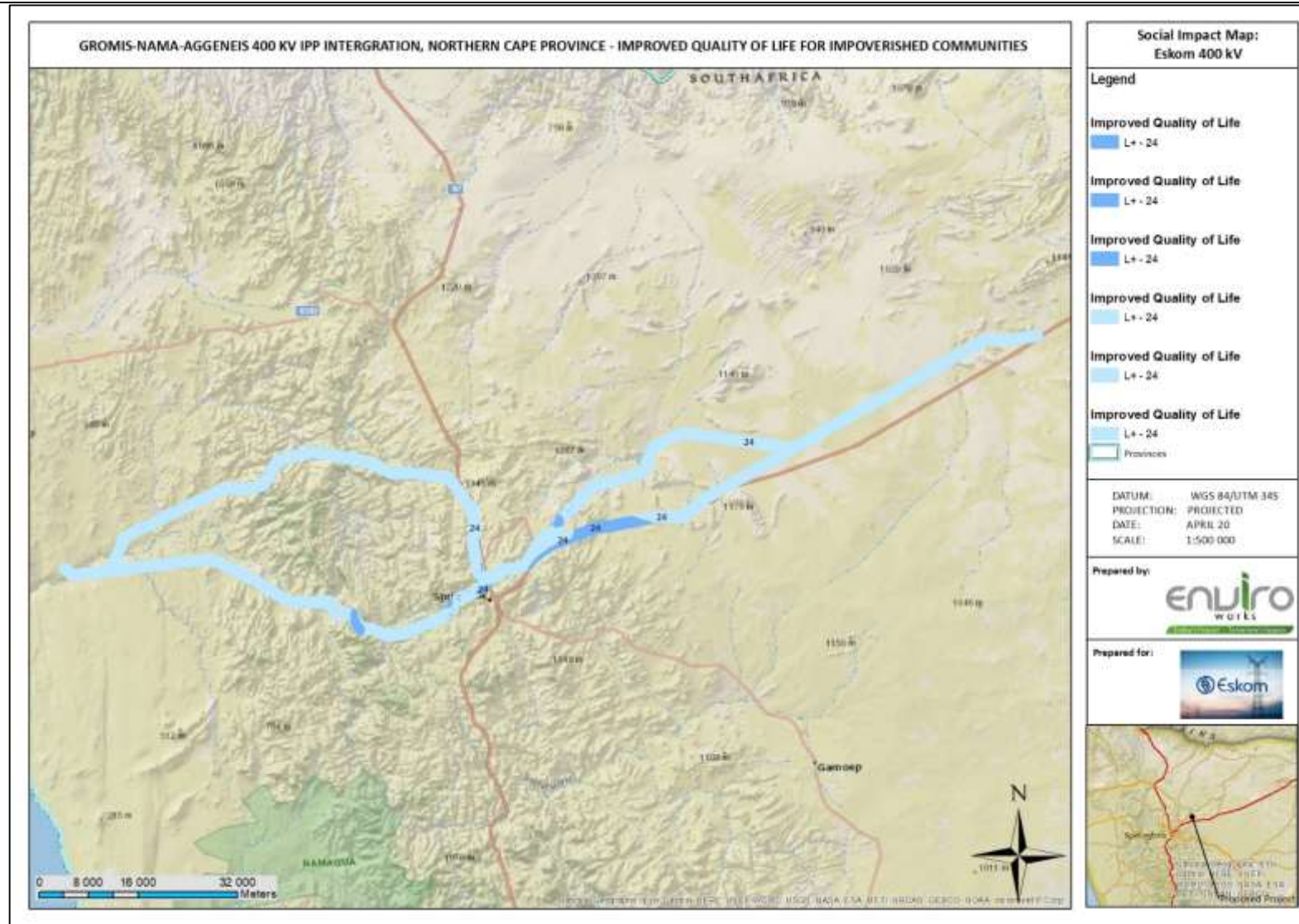


Figure 19 IMPROVED QUALITY OF LIFE FOR IMPOVERISHED COMMUNITIES, IMPACT RATING MAP FOR THE OPERATIONAL PHASE

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

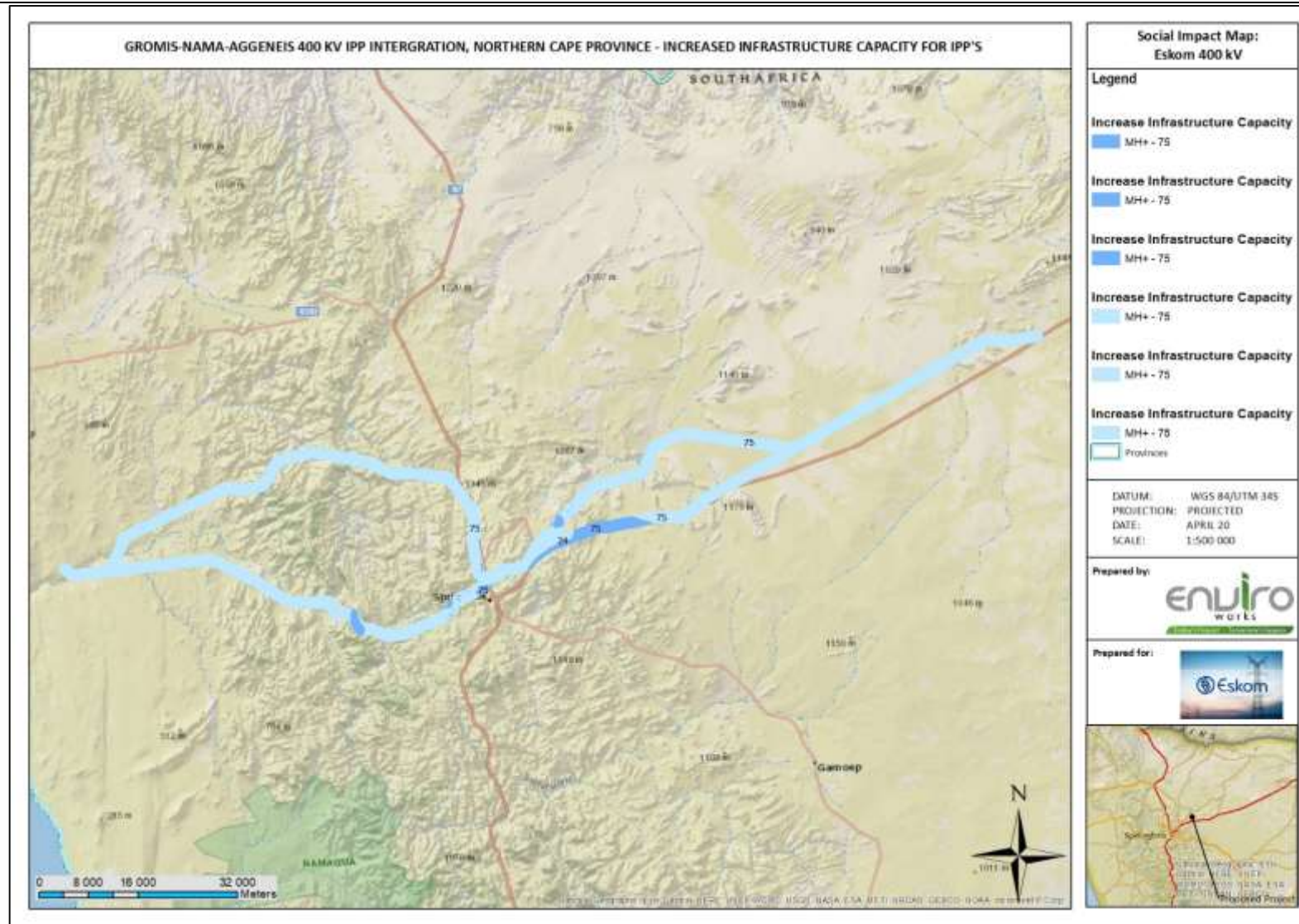
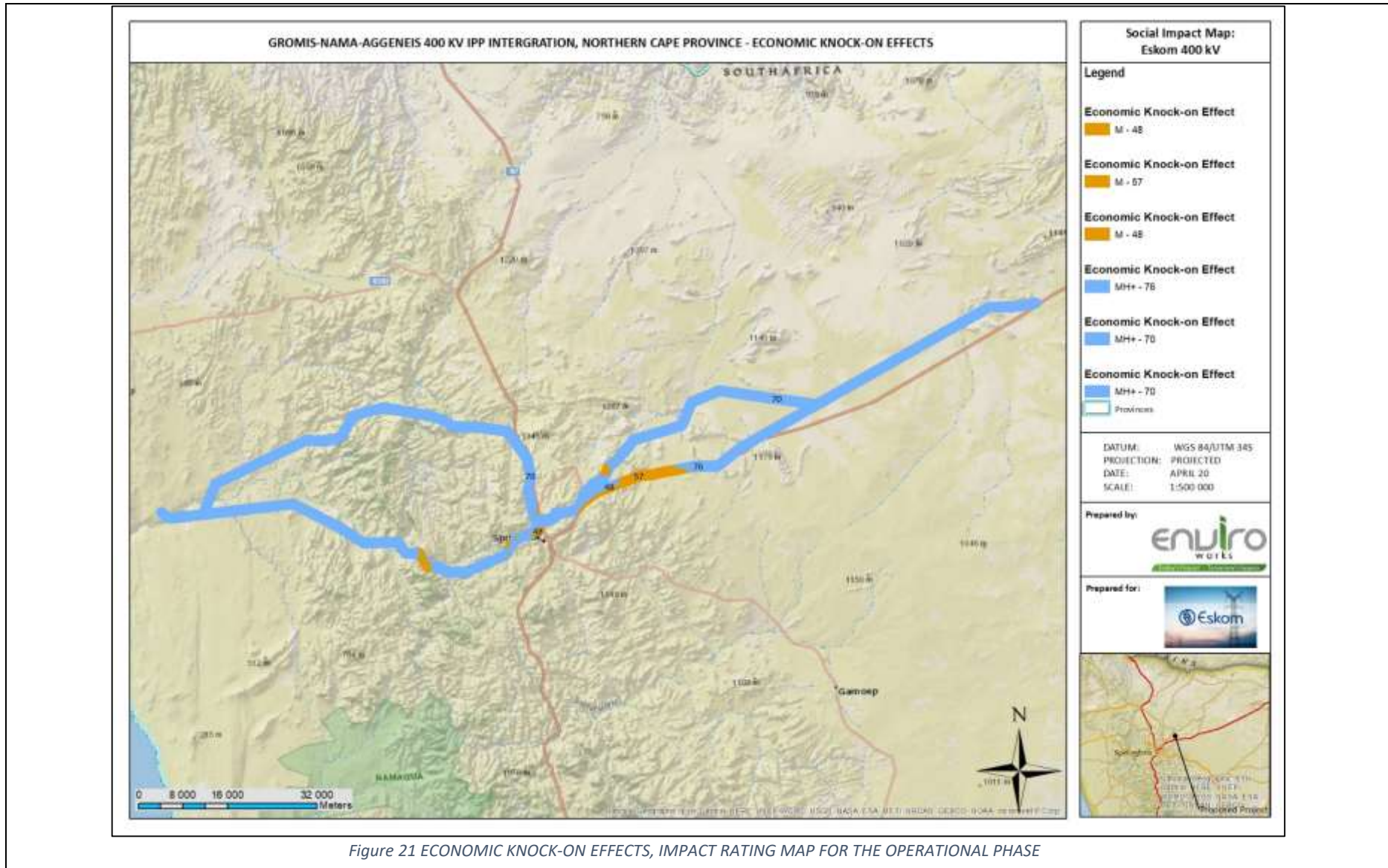


Figure 20 INCREASED INFRASTRUCTURE CAPACITY FOR IPP'S, IMPACT RATING MAP FOR THE OPERATIONAL PHASE

**IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE**



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

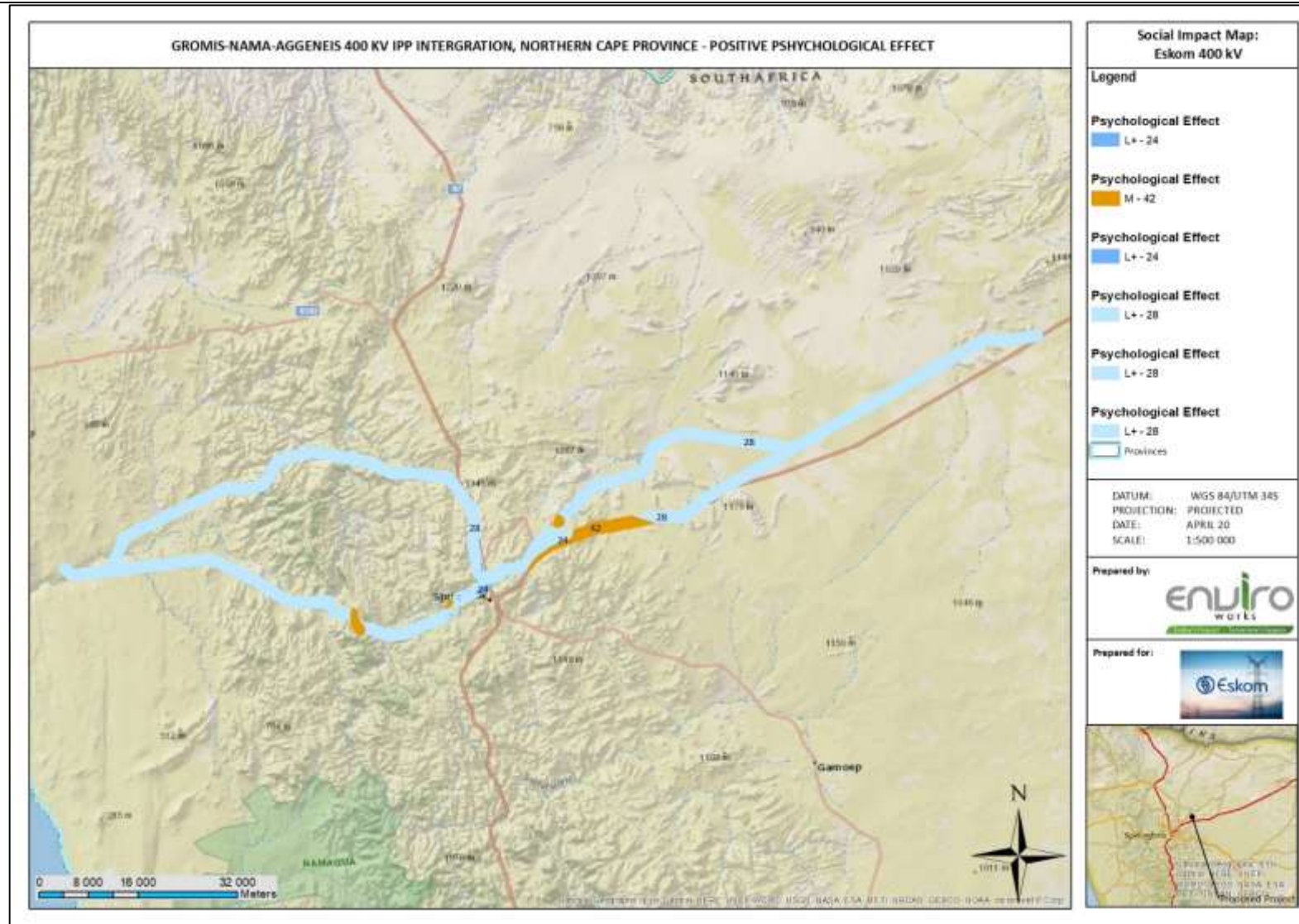
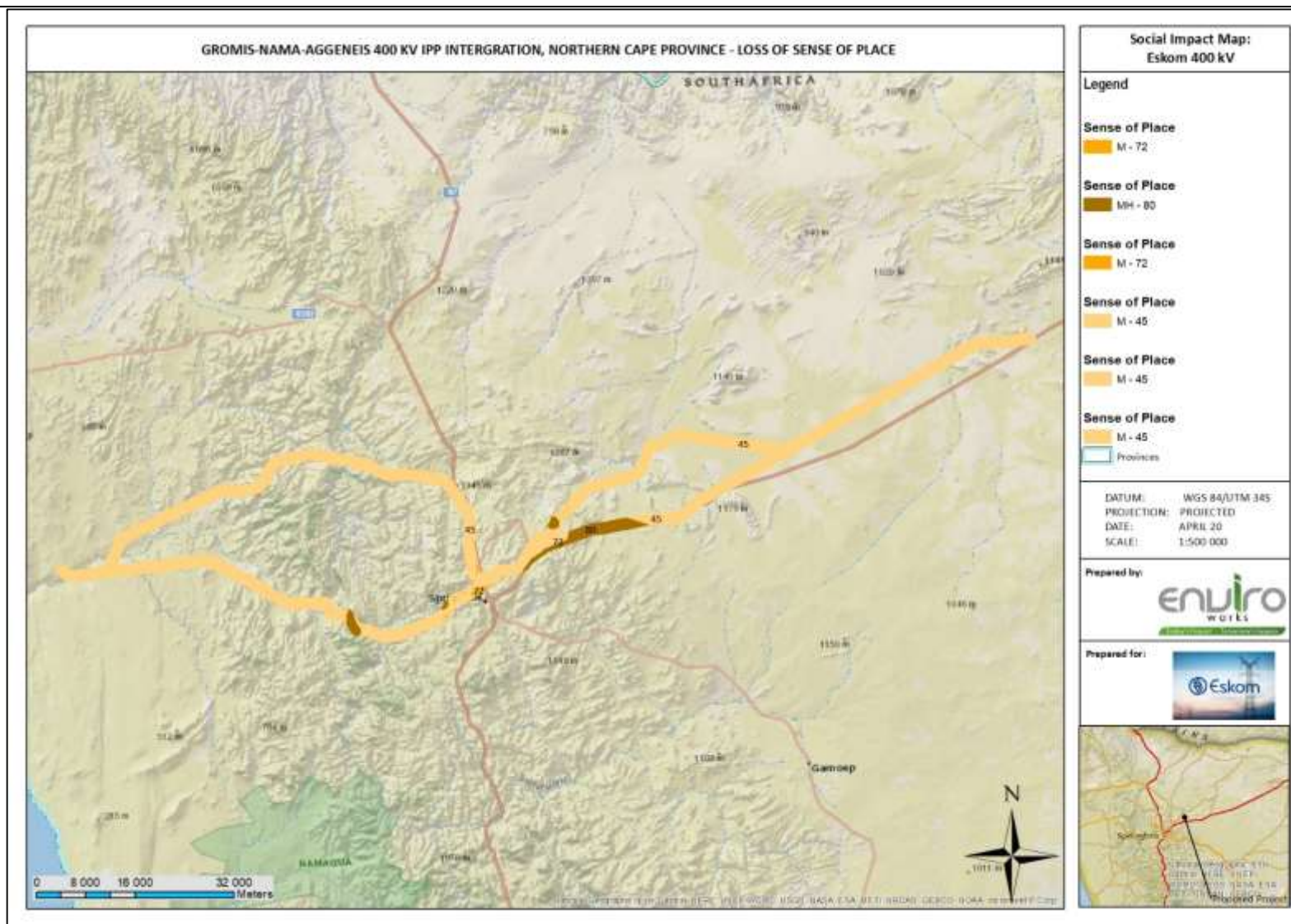


Figure 22 POSITIVE PSYCHOLOGICAL EFFECT, IMPACT RATING MAP FOR THE OPERATIONAL PHASE



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEIS 400KV IPP INTEGRATION POWER LINE



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

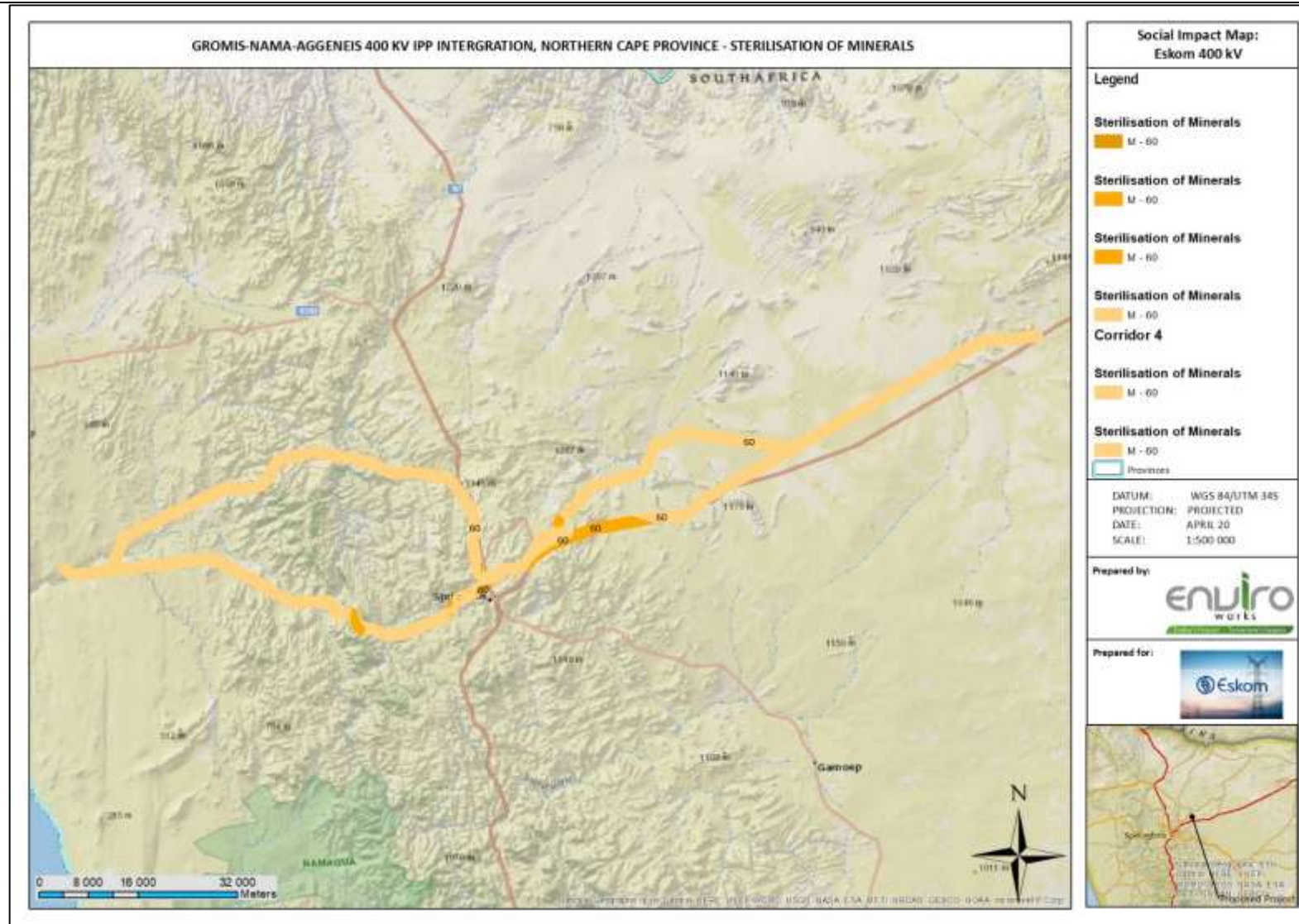


Figure 24 STERILISATION OF MINERALS, IMPACT RATING MAP FOR THE OPERATIONAL PHASE

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

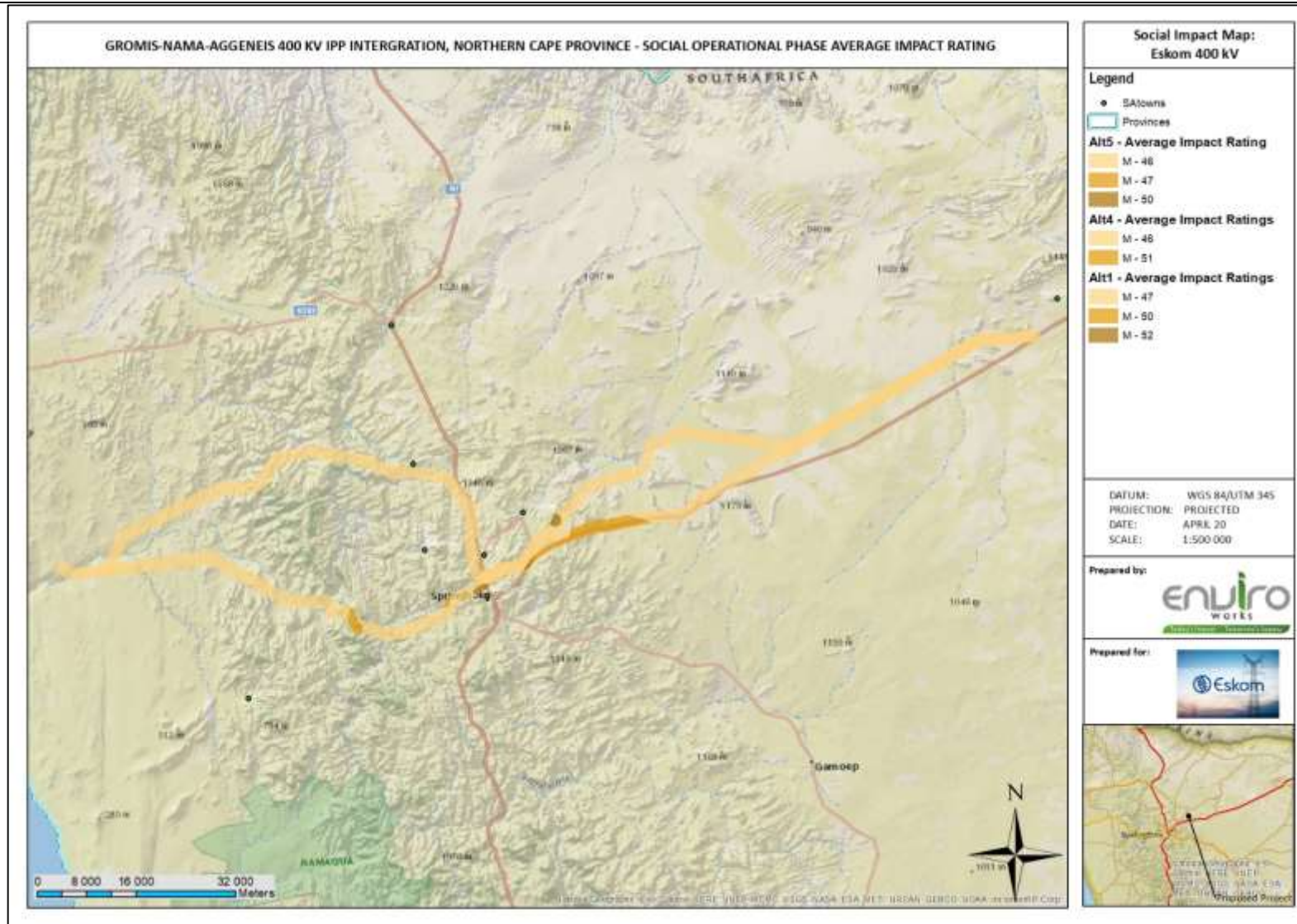
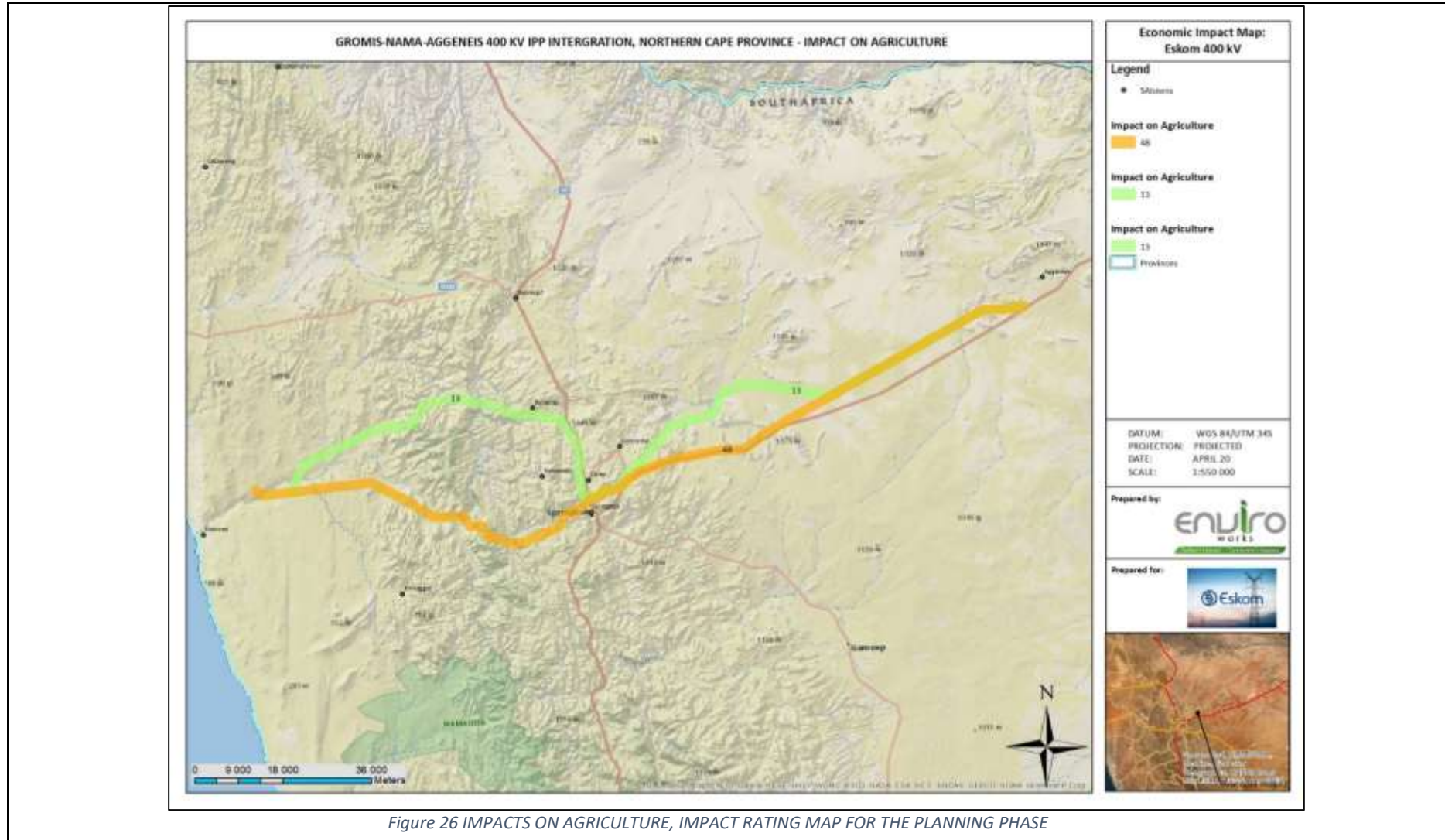


Figure 25 AVERAGE SOCIAL IMPACT RATING MAP FOR THE OPERATIONAL PHASE

## 2.2. Economic impacts

### a. Planning phase



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

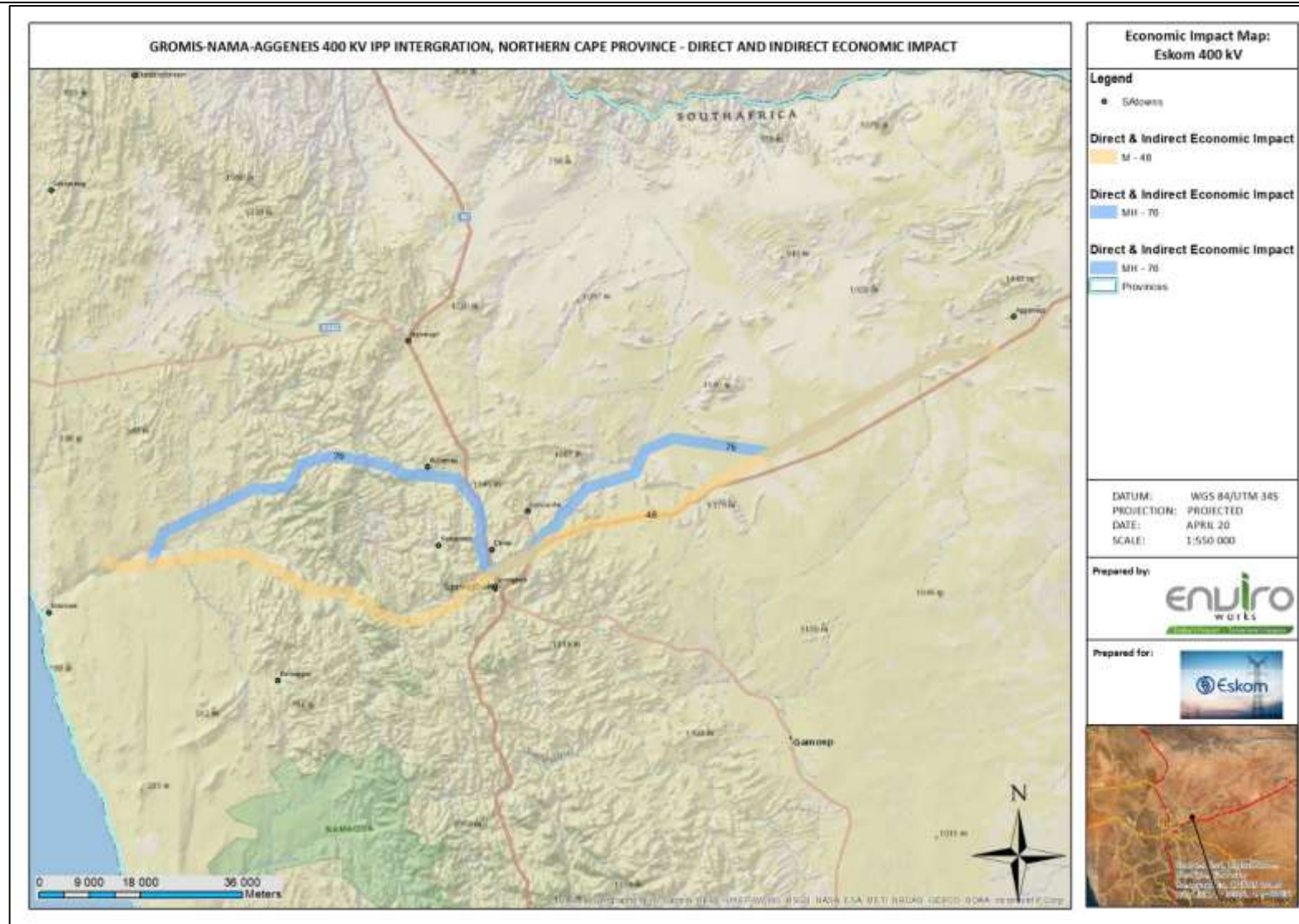
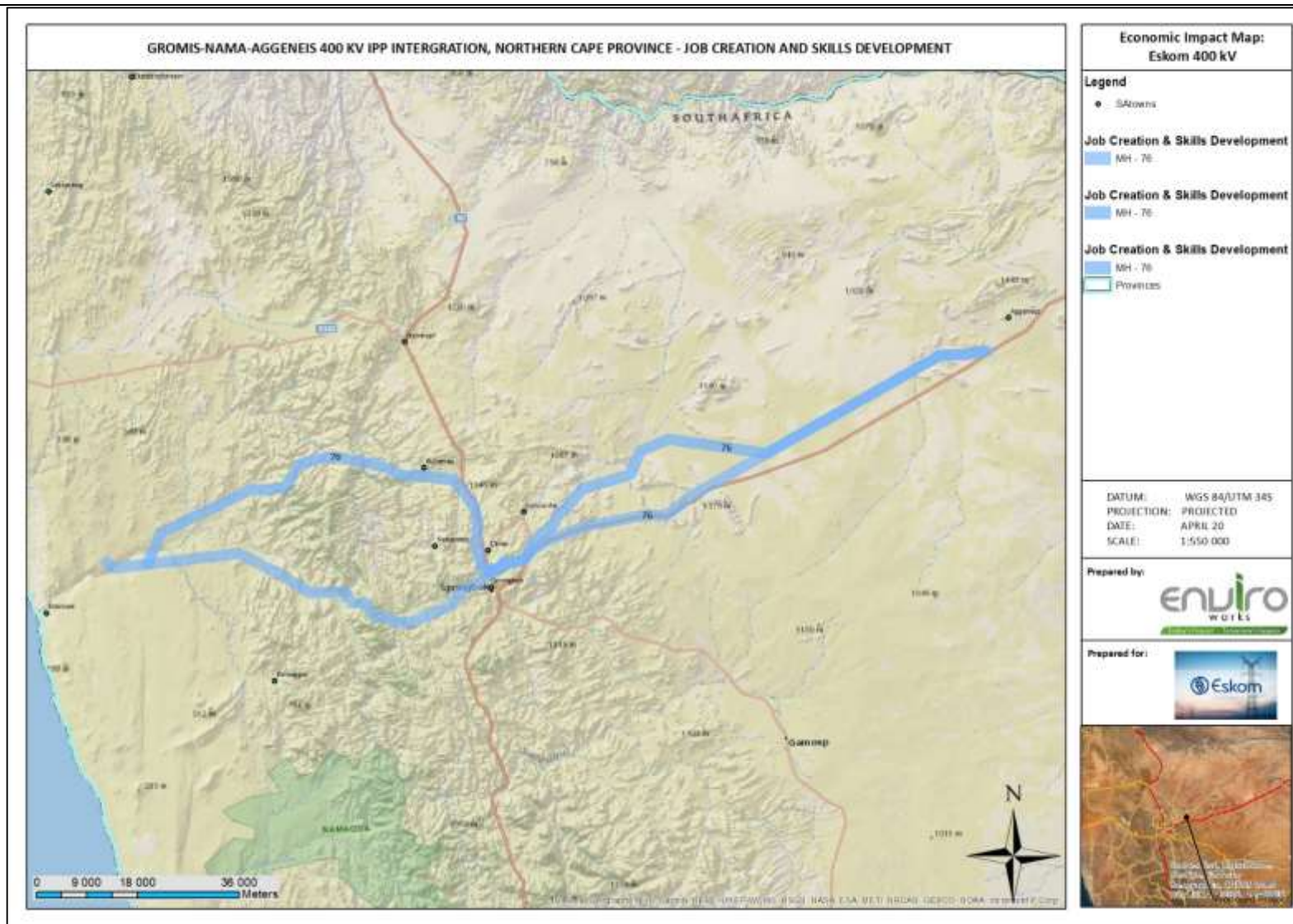


Figure 27 DIRECT AND INDIRECT ECONOMIC IMPACT, IMPACT RATING MAP FOR THE PLANNING PHASE

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

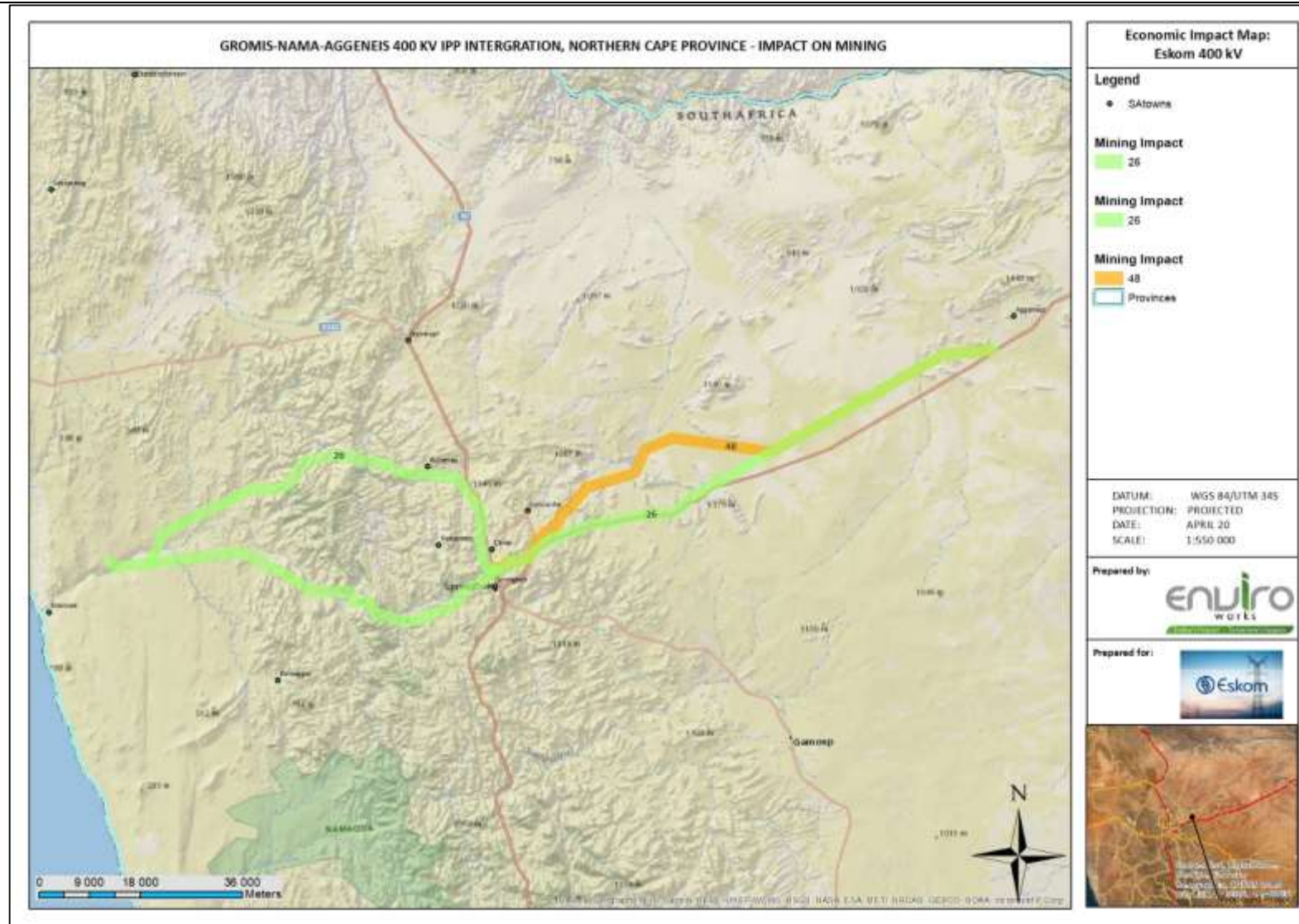


Figure 29 IMPACT ON MINING, IMPACT RATING MAP FOR THE PLANNING PHASE

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

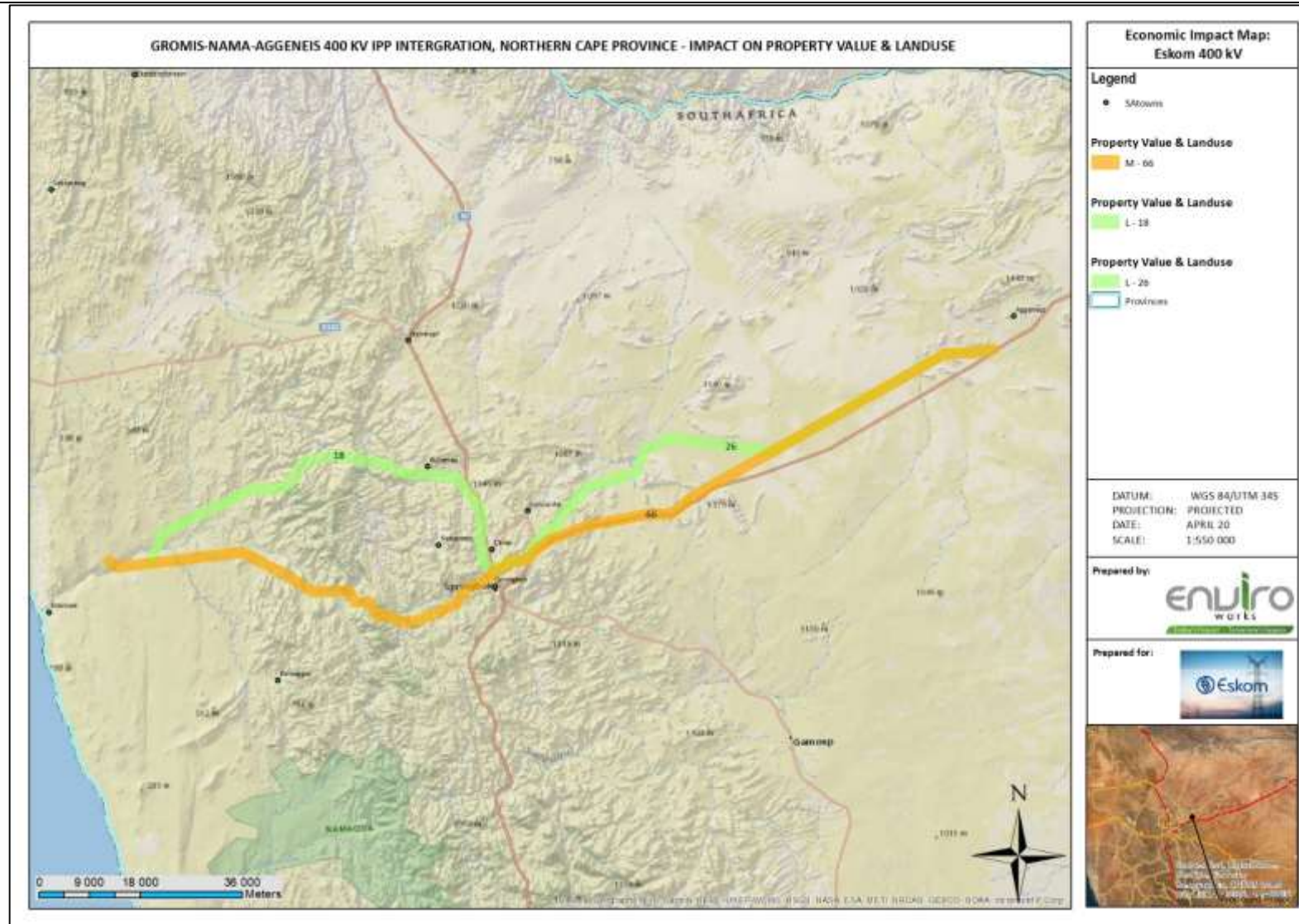


Figure 30 IMPACT ON PROPERTY VALUE AND LAND USE, IMPACT RATING MAP FOR THE PLANNING PHASE



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

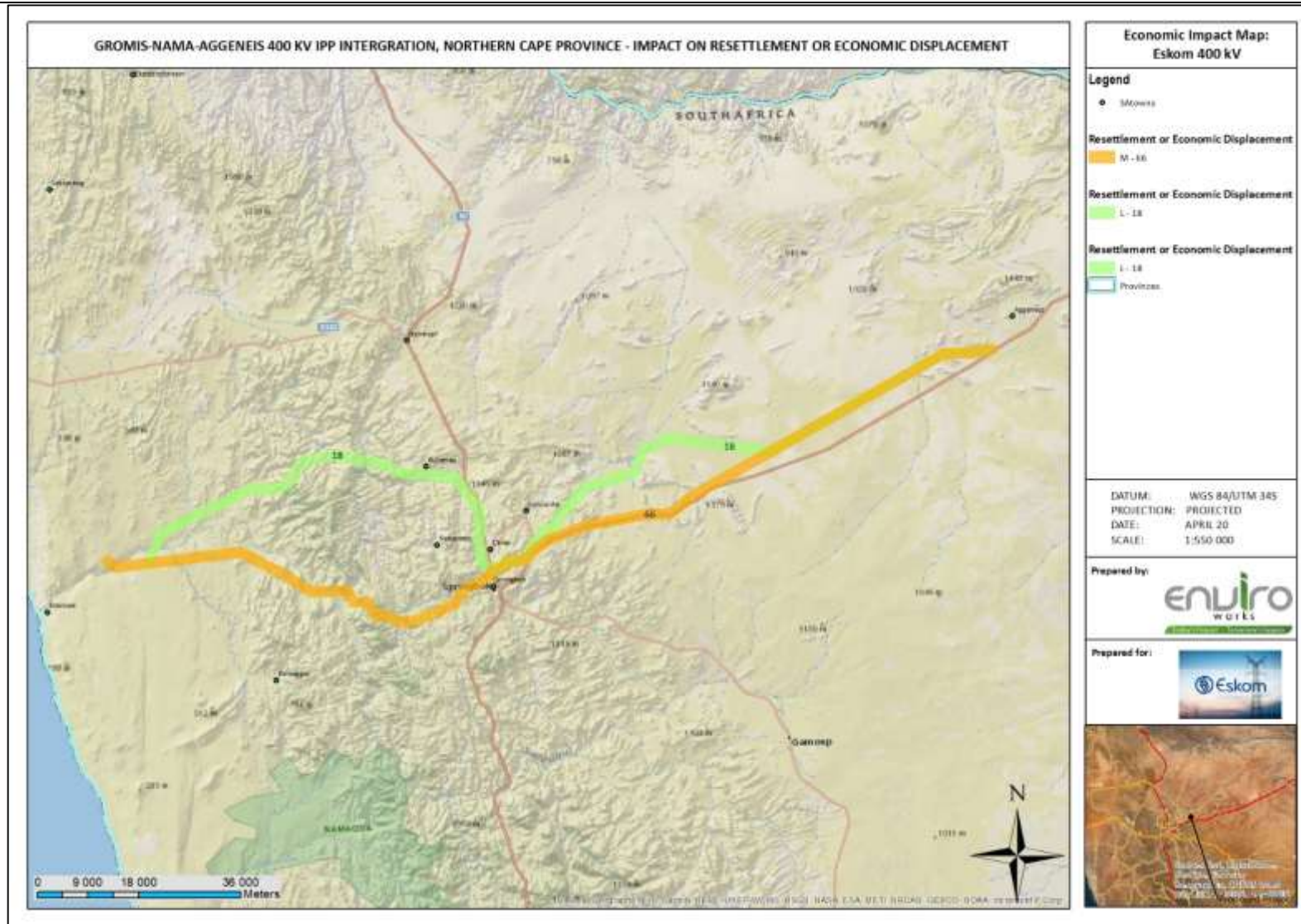


Figure 31 IMPACT ON RESETTLEMENT OR ECONOMIC DISPLACEMENT, IMPACT RATING MAP FOR THE PLANNING PHASE

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

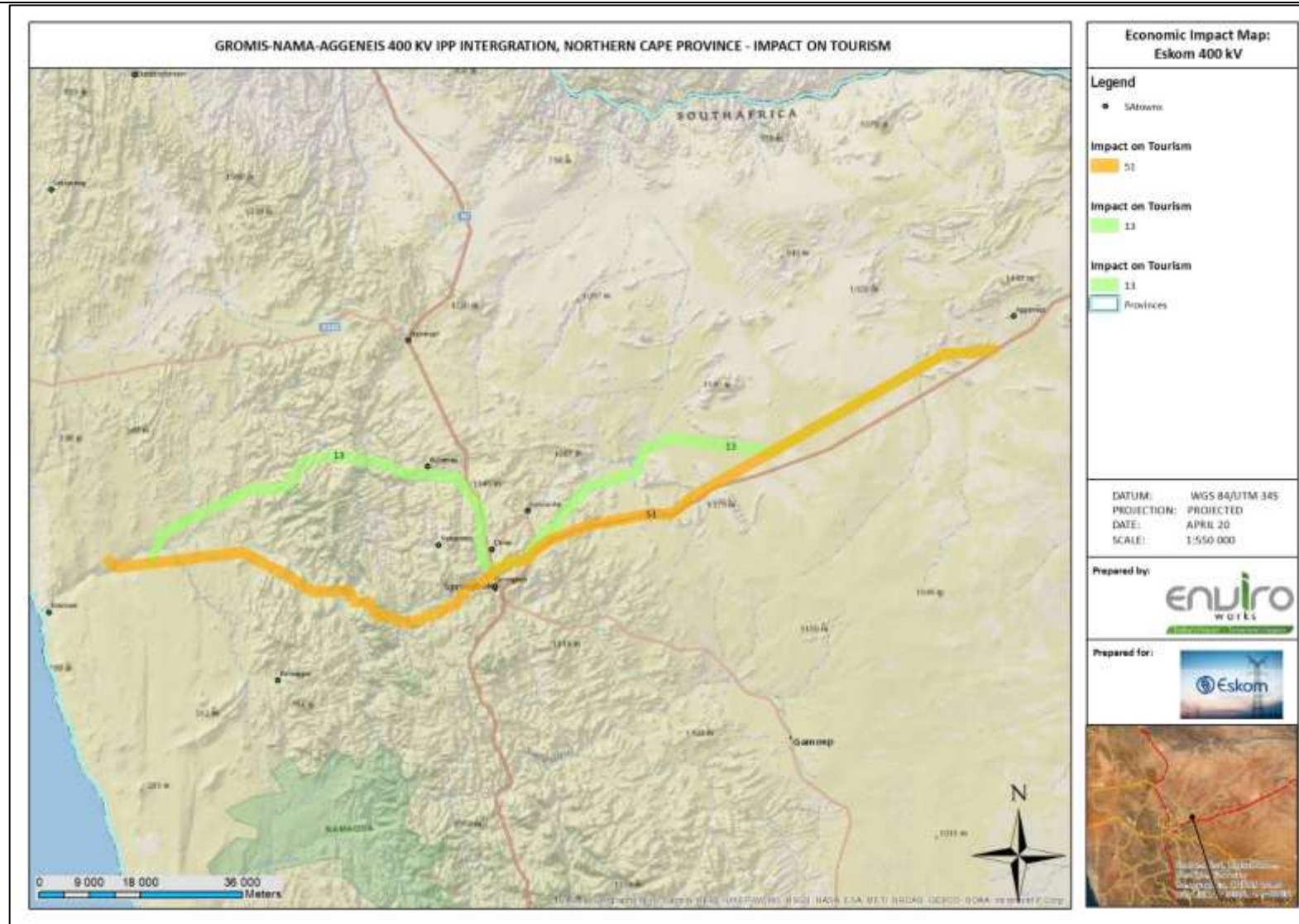
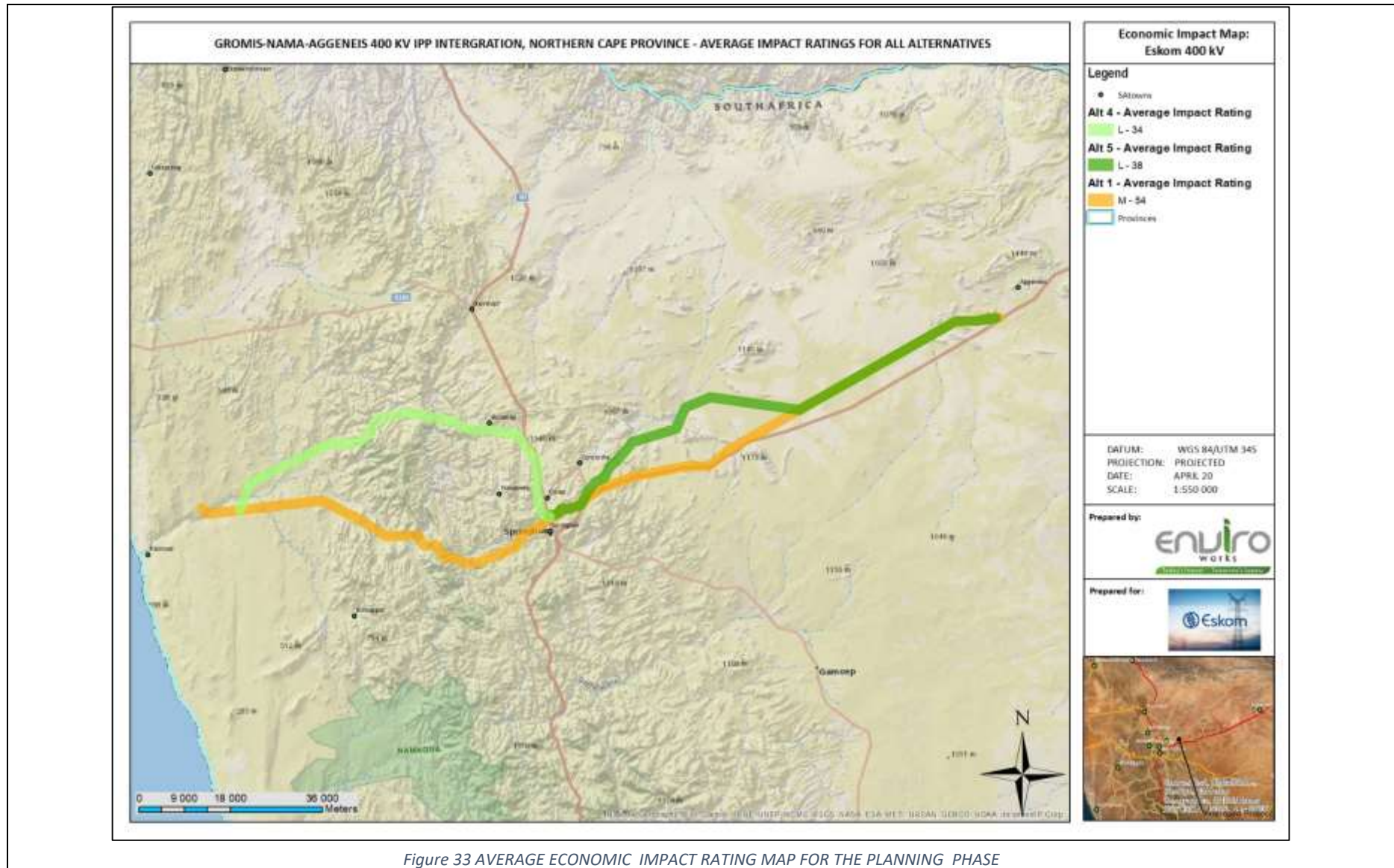


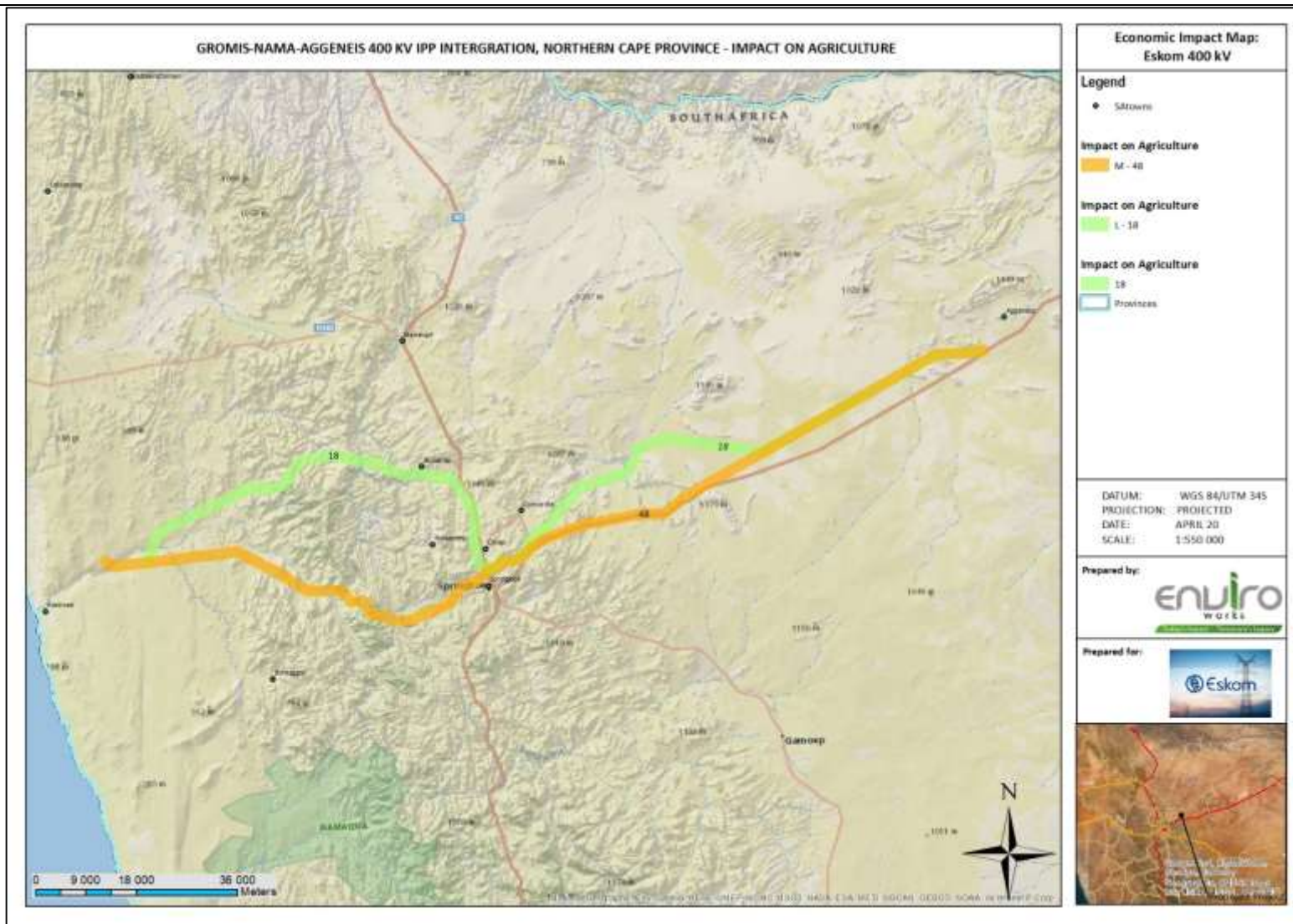
Figure 32 IMPACT ON TOURISM, IMPACT RATING MAP FOR THE PLANNING PHASE

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

b. Construction phase



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEIS 400KV IPP INTEGRATION POWER LINE

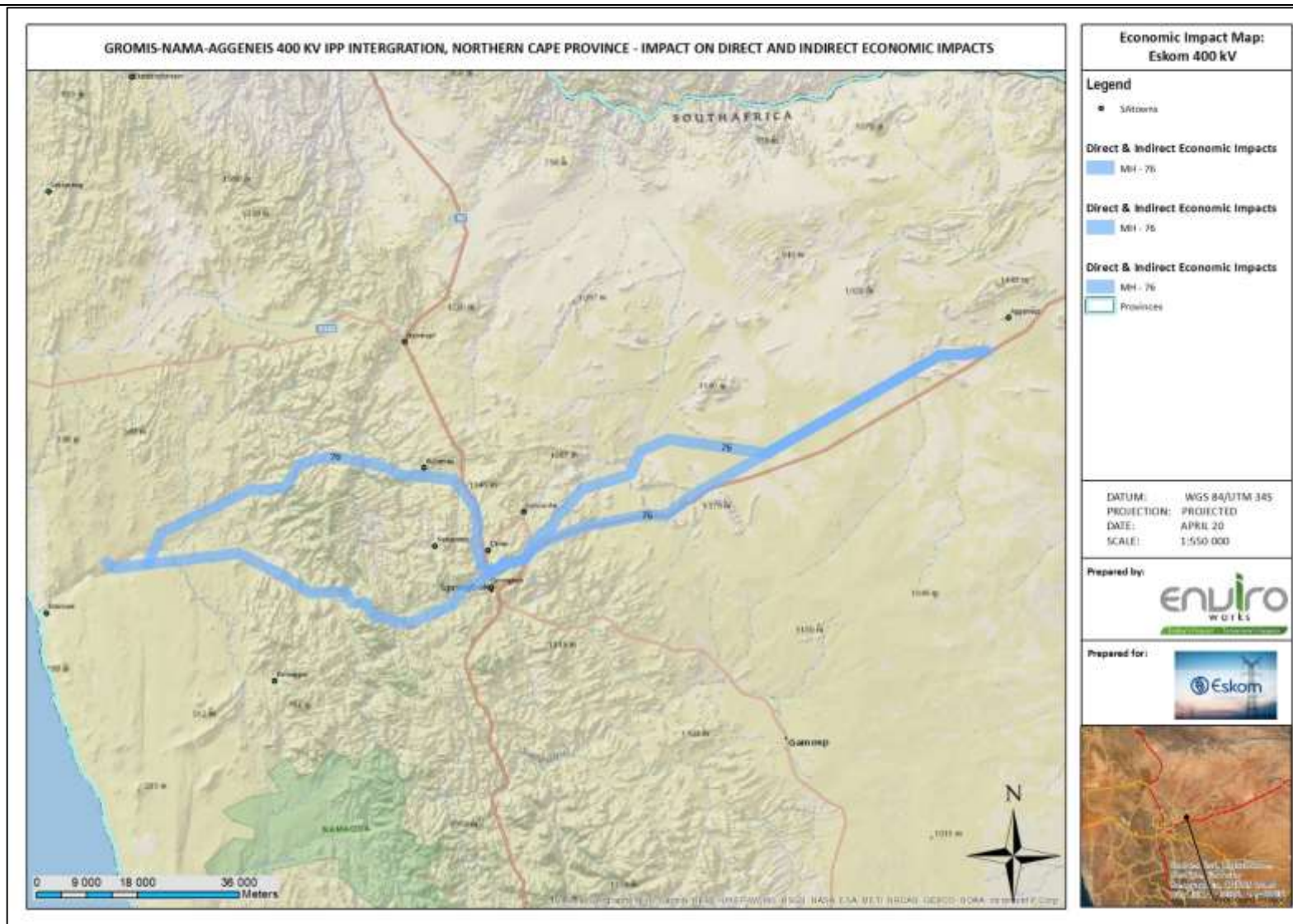


Figure 35 DIRECT AND INDIRECT ECONOMIC IMPACTS, IMPACT RATING MAP FOR THE CONSTRUCTION PHASE

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEIS 400KV IPP INTEGRATION POWER LINE

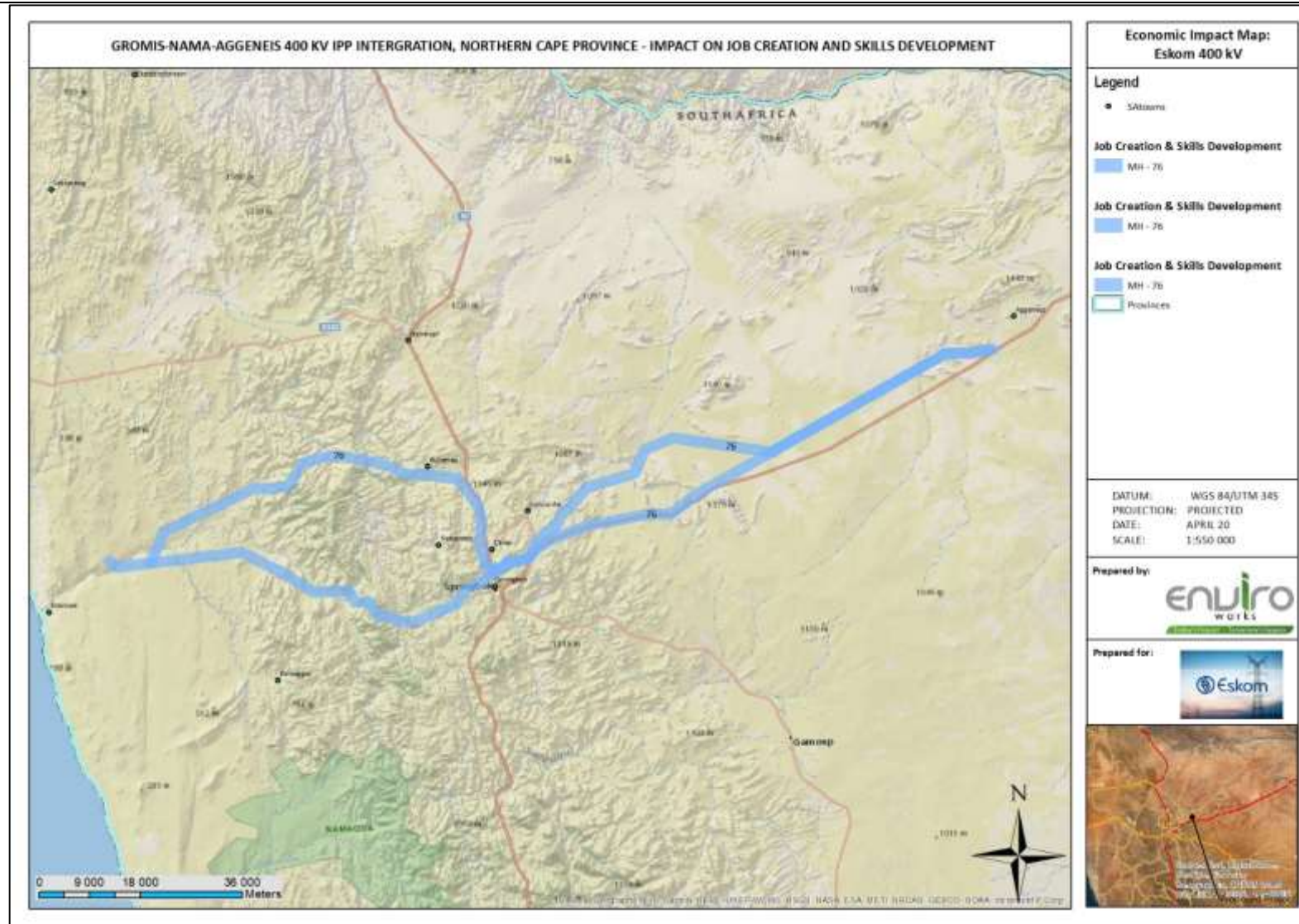


Figure 36 JOB CREATION AND SKILLS DEVELOPMENT, IMPACT RATING MAP FOR THE CONSTRUCTION PHASE

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEIS 400KV IPP INTEGRATION POWER LINE

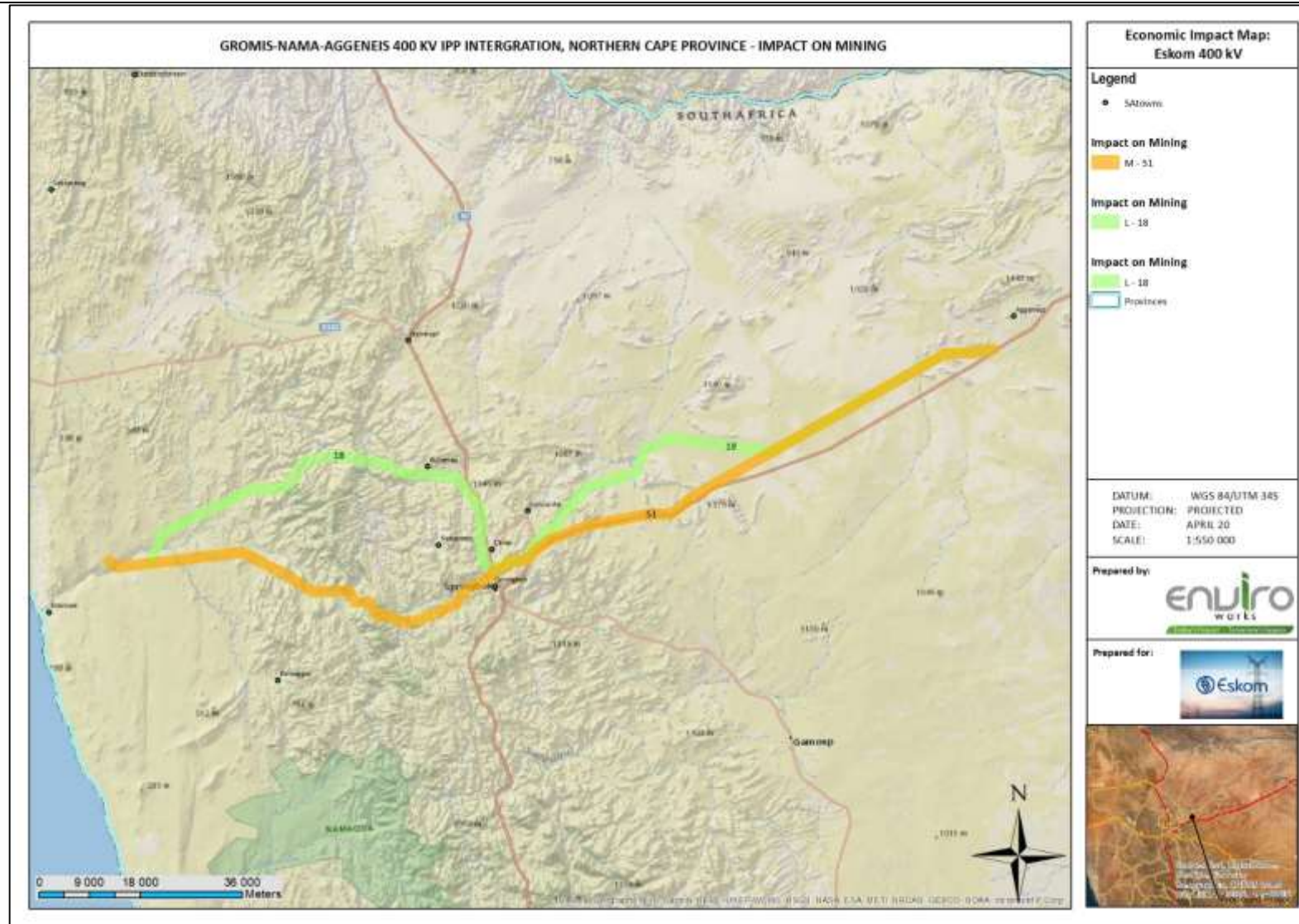


Figure 37 IMPACT ON MINING, IMPACT RATING MAP FOR THE CONSTRUCTION PHASE

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

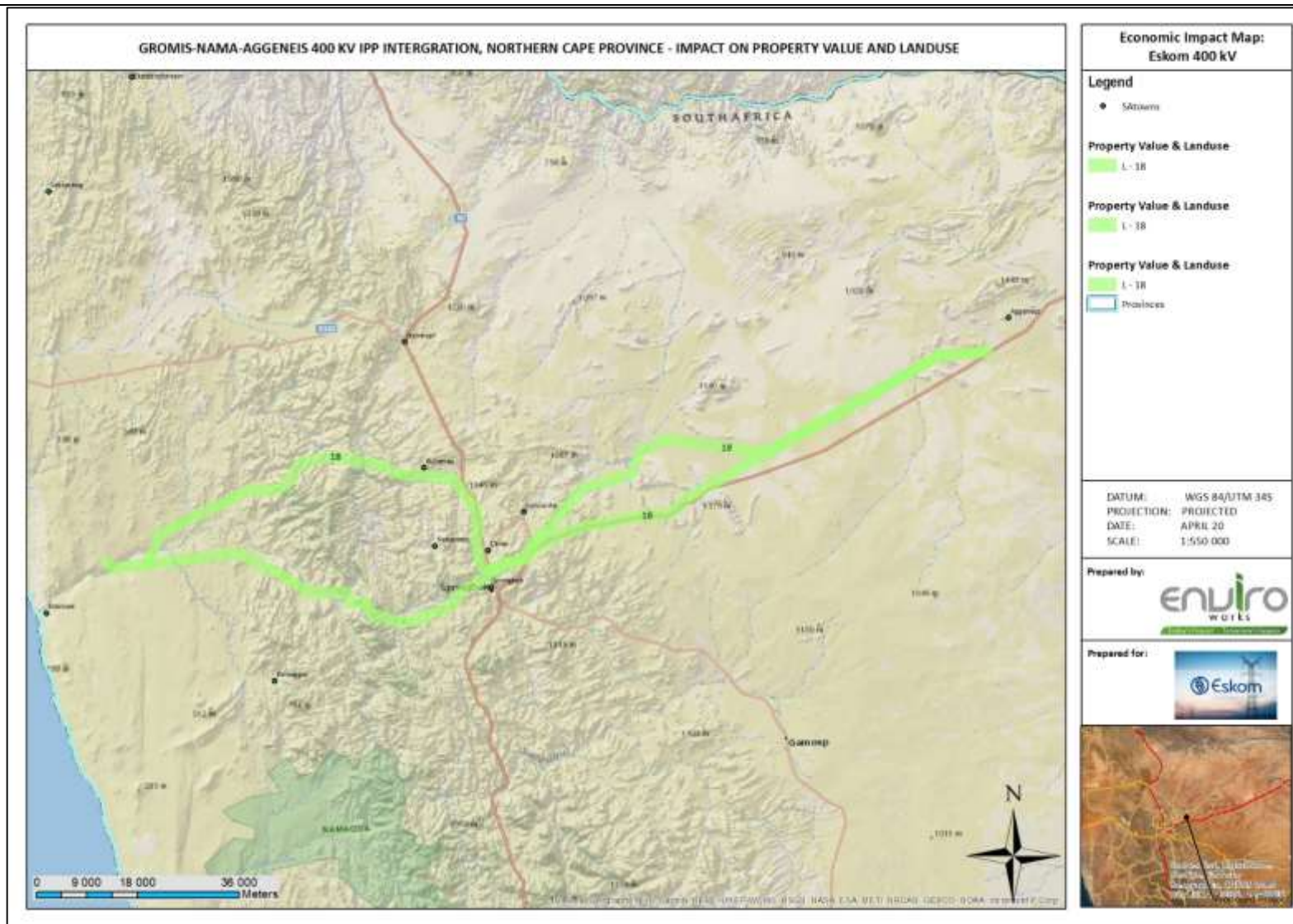


Figure 38 PROPERTY VALUE AND LAND USE, IMPACT RATING MAP FOR THE CONSTRUCTION PHASE



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

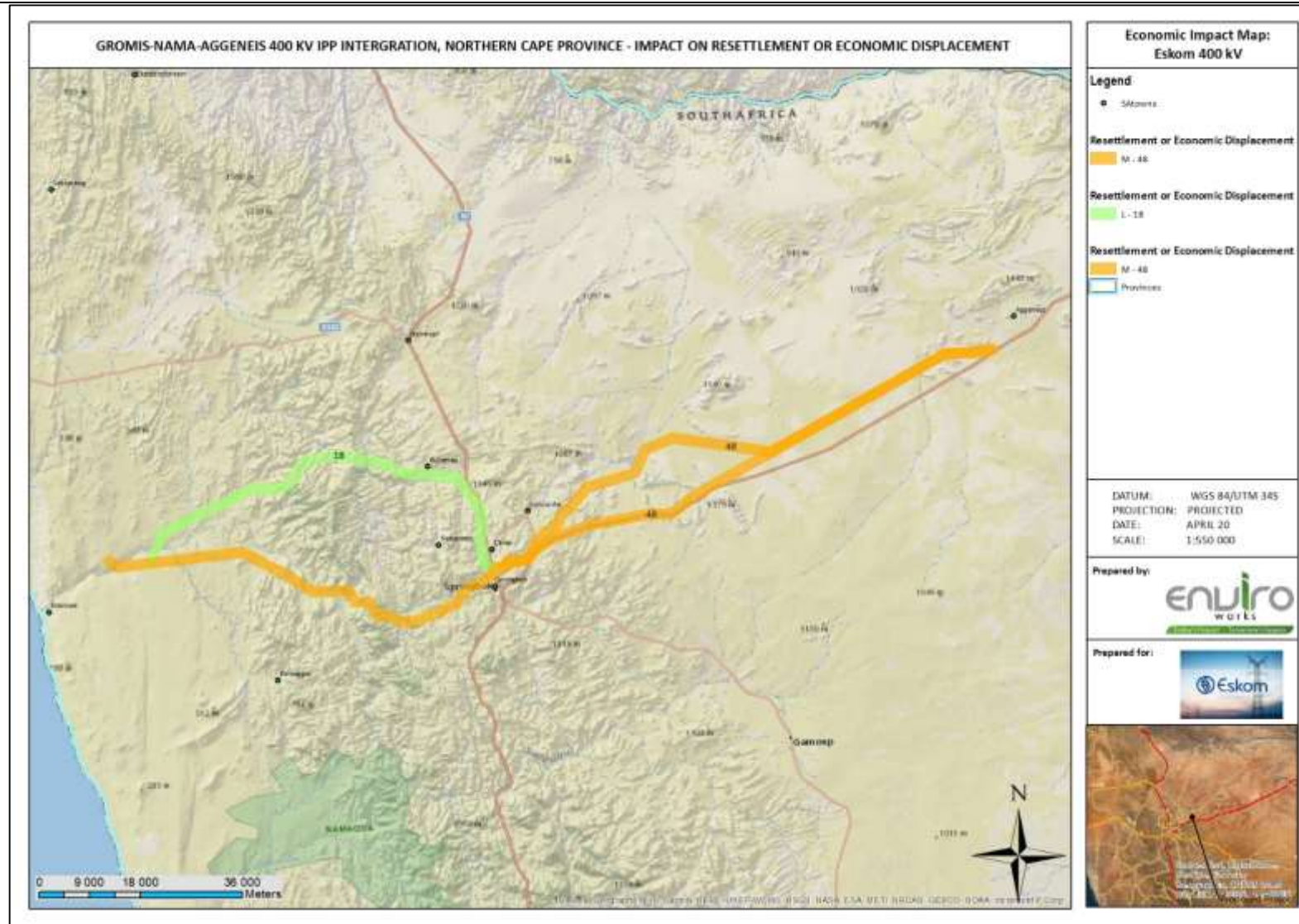
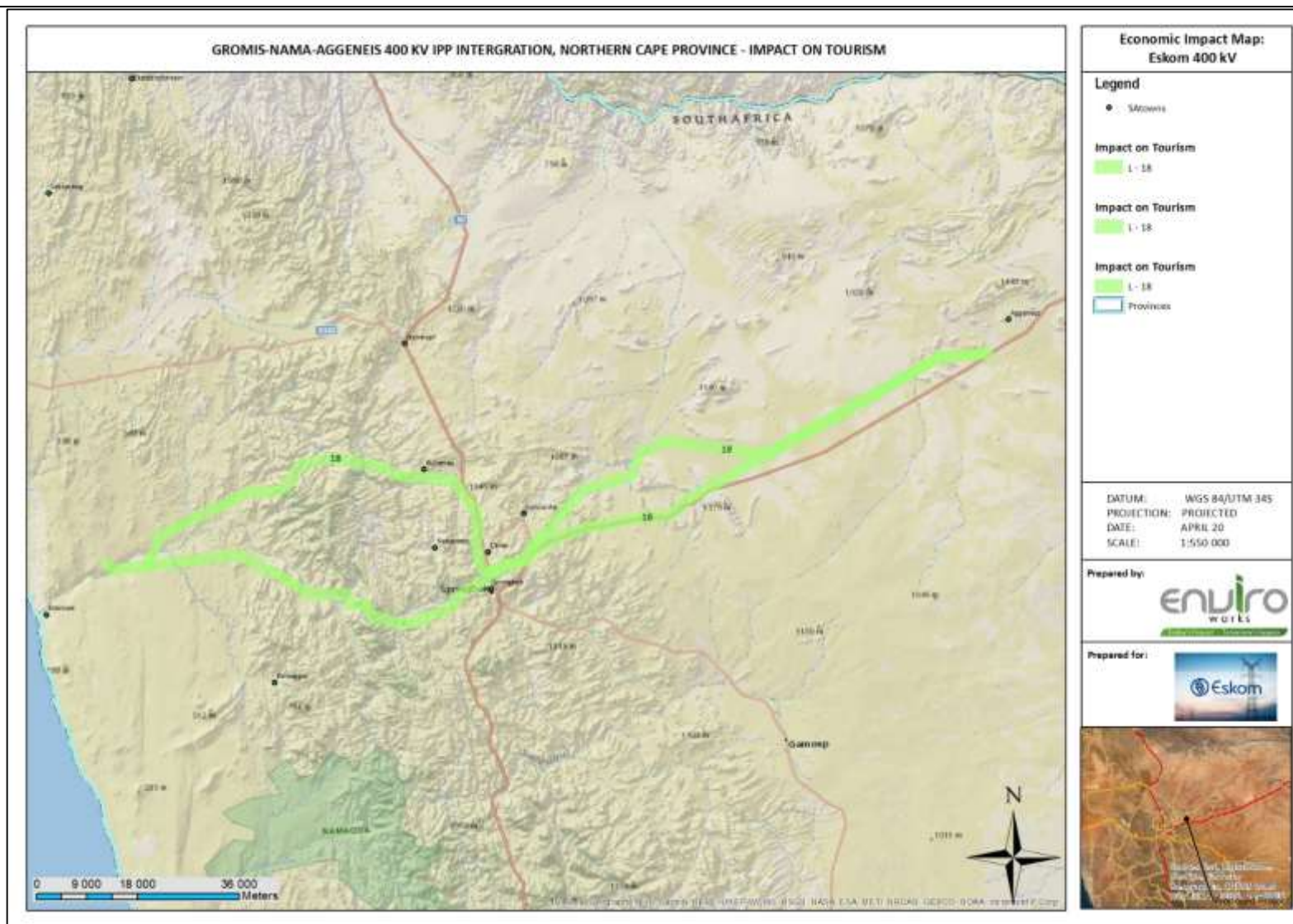


Figure 39 RESETTLEMENT OR ECONOMIC DISPLACEMENT, IMPACT RATING MAP FOR THE CONSTRUCTION PHASE

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

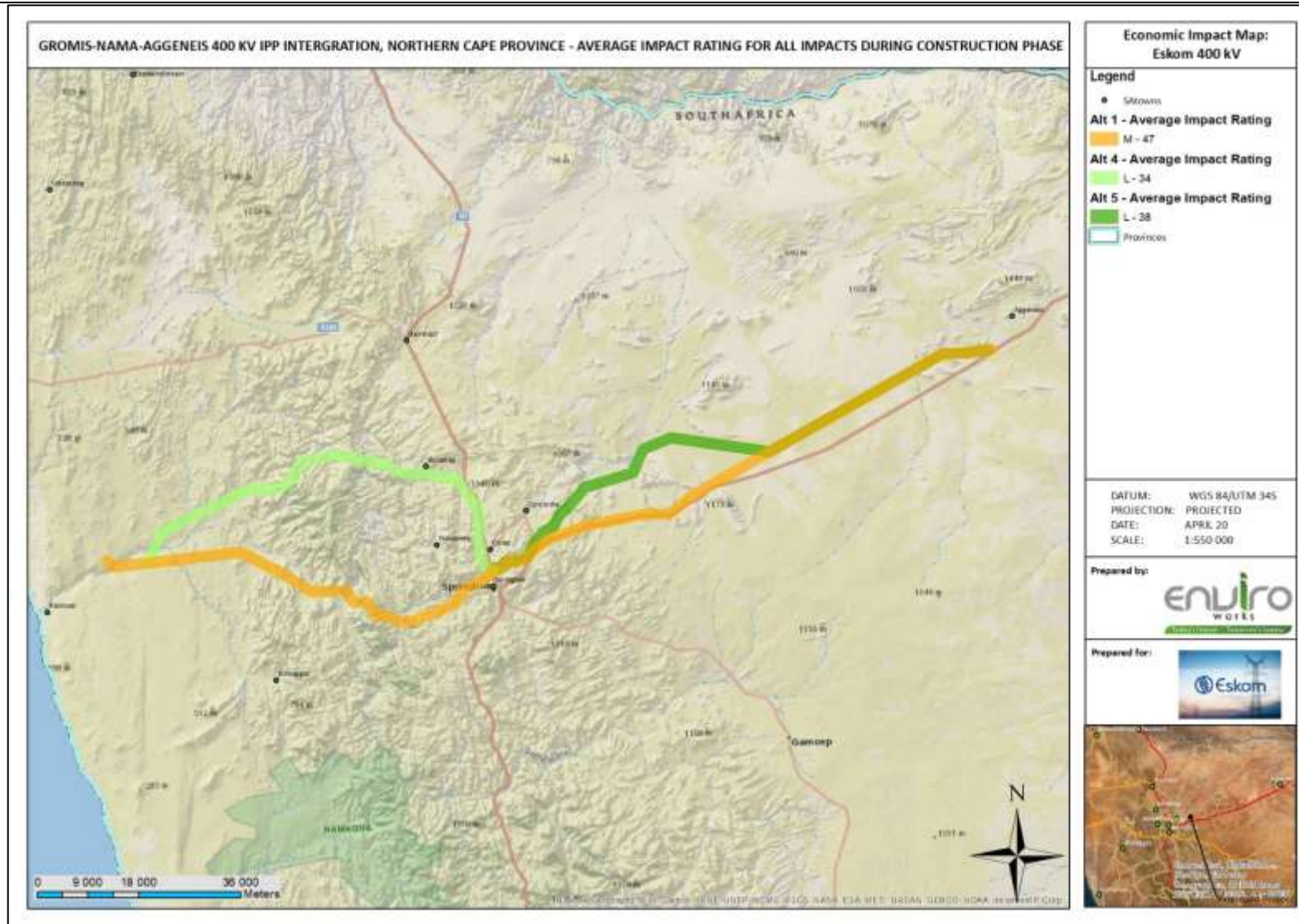
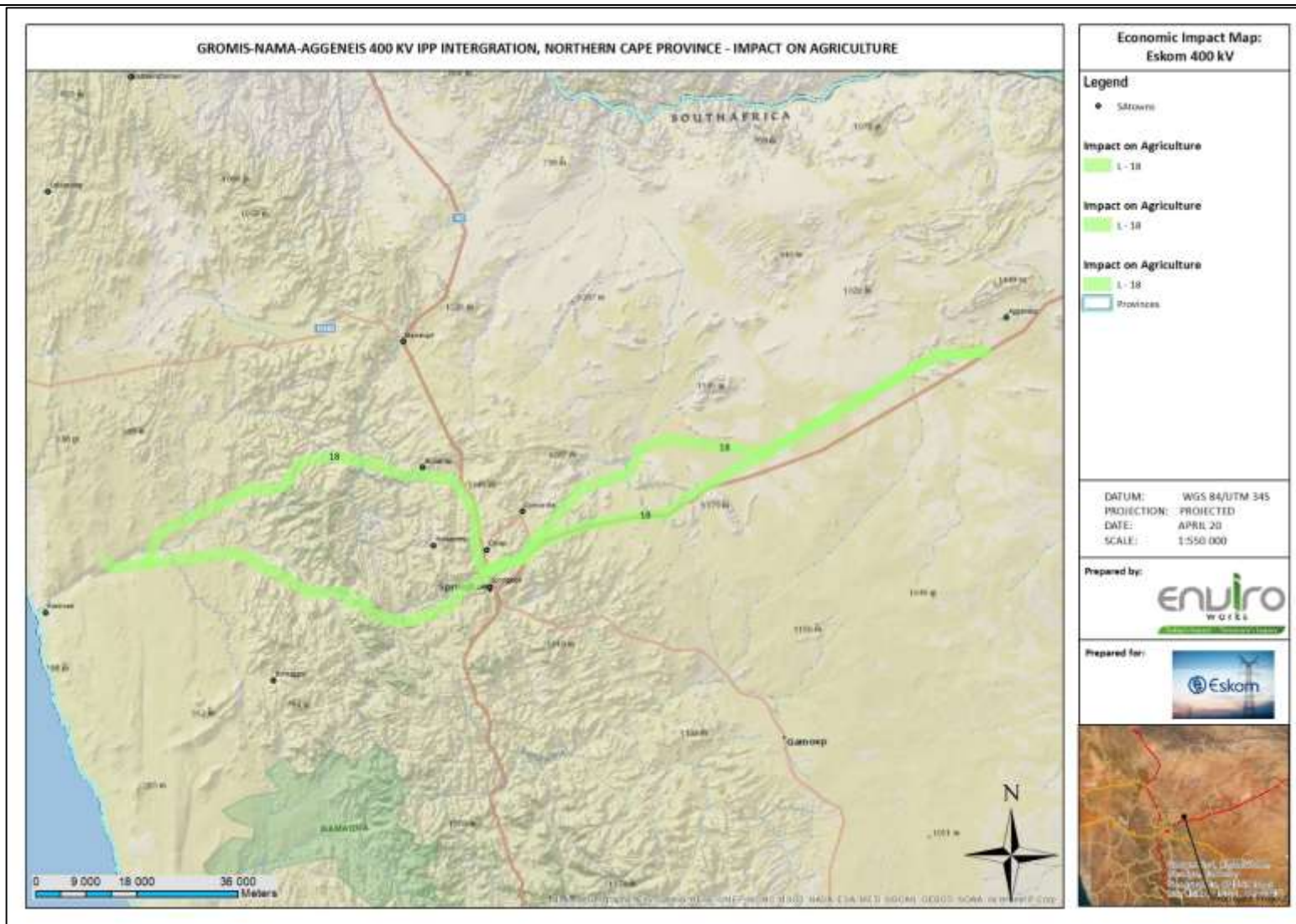


Figure 41 AVERAGE ECONOMIC IMPACT RATING MAP FOR THE CONSTRUCTION PHASE

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

c. Operational phase



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEIS 400KV IPP INTEGRATION POWER LINE

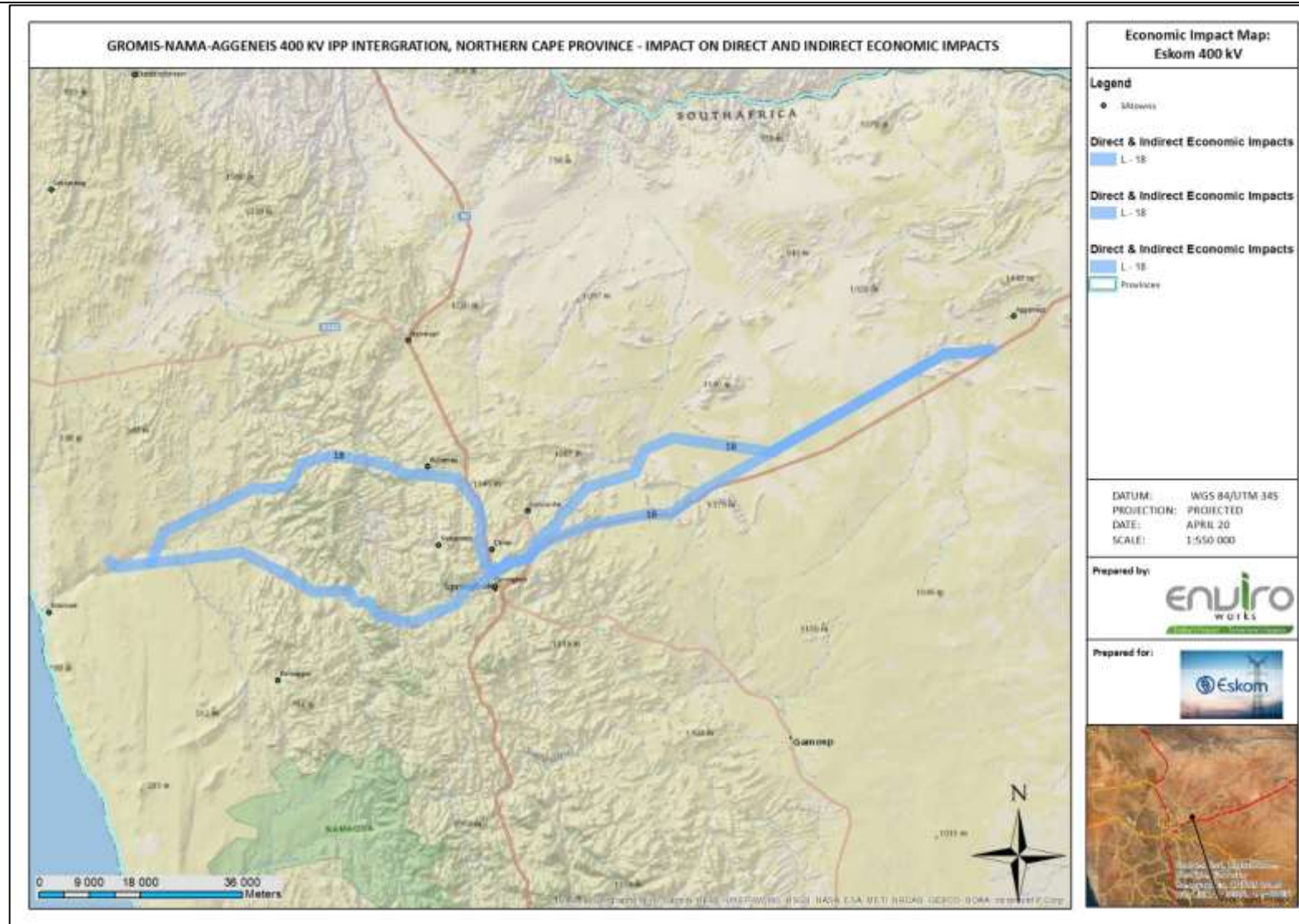


Figure 43 DIRECT AND INDIRECT ECONOMIC IMPACTS, IMPACT RATING MAP FOR THE OPERATIONAL PHASE

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

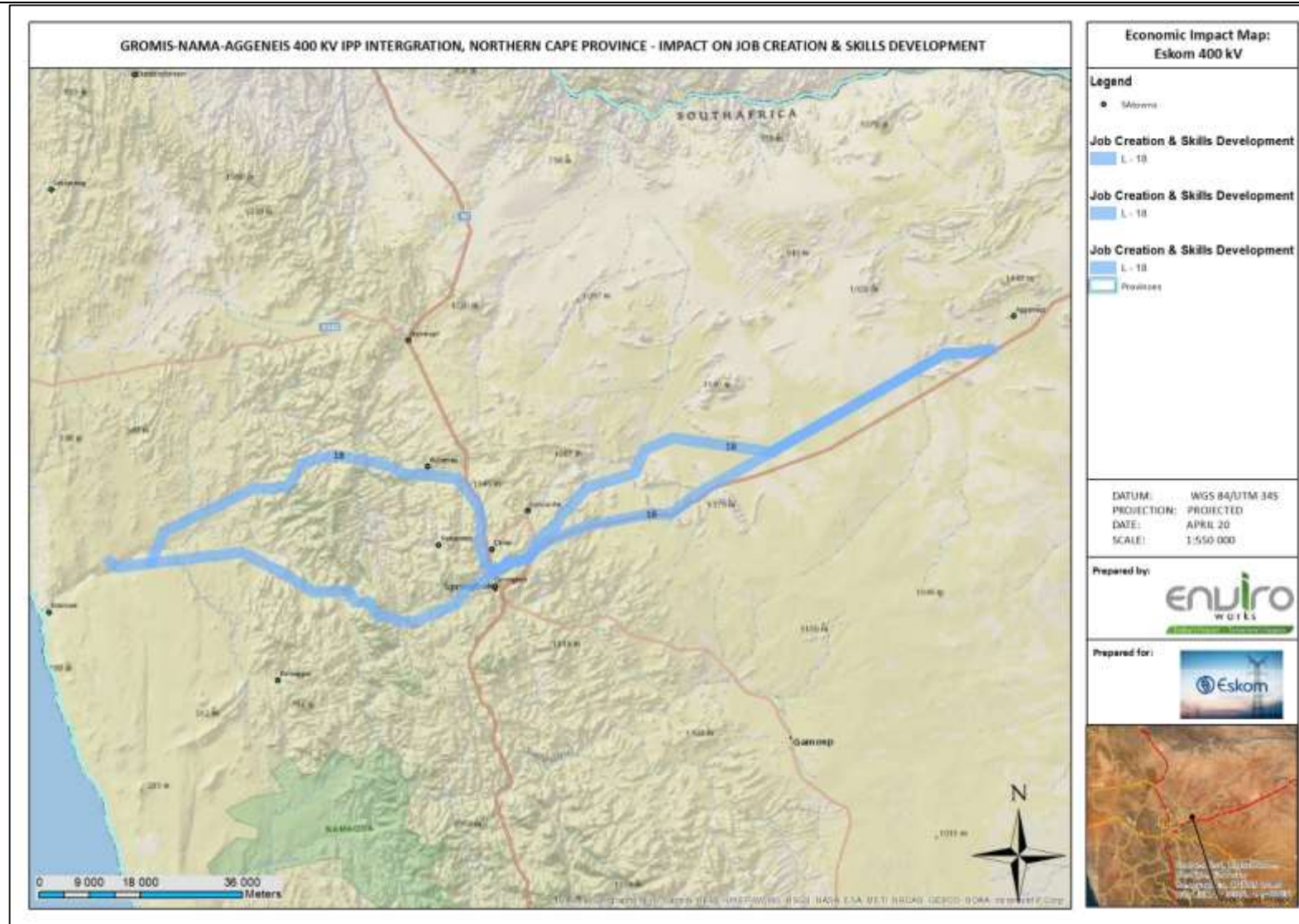


Figure 44 JOB CREATION AND SKILLS DEVELOPMENT, IMPACT RATING MAP FOR THE OPERATIONAL PHASE

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEIS 400KV IPP INTEGRATION POWER LINE

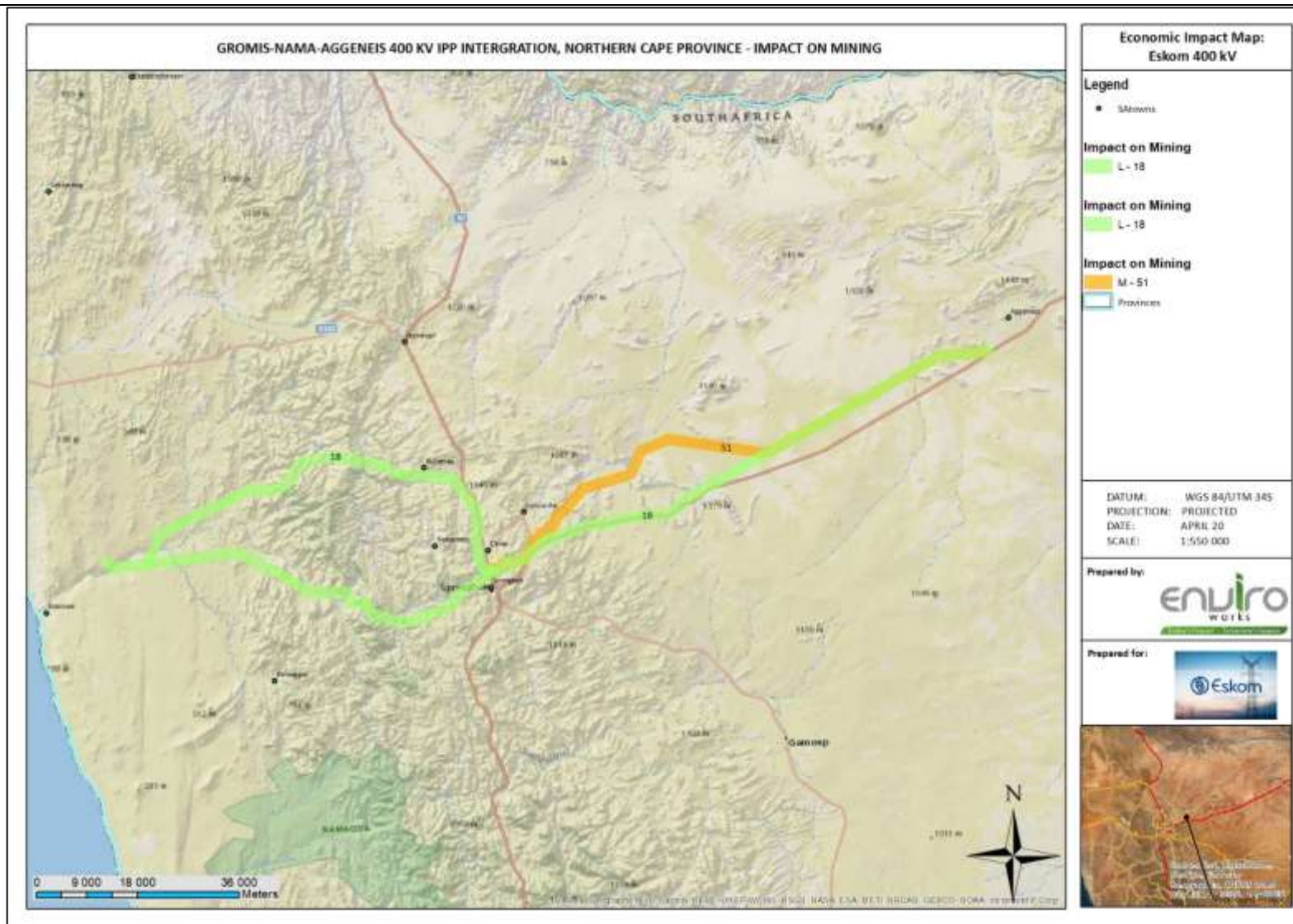


Figure 45 IMPACT ON MINING, IMPACT RATING MAP FOR THE OPERATIONAL PHASE

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

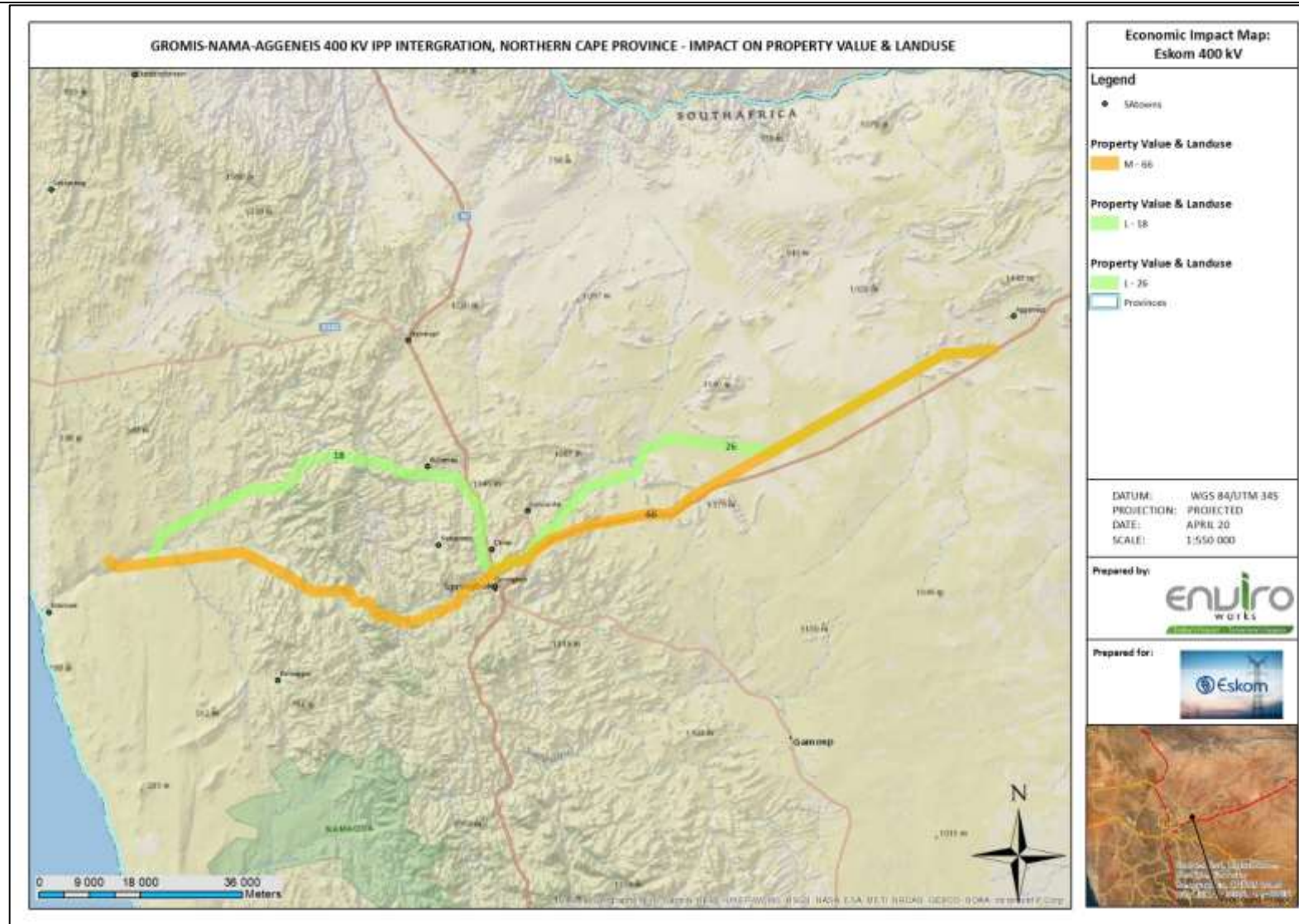


Figure 46 PROPERTY VALUE AND LAND USE, IMPACT RATING MAP FOR THE OPERATIONAL PHASE



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

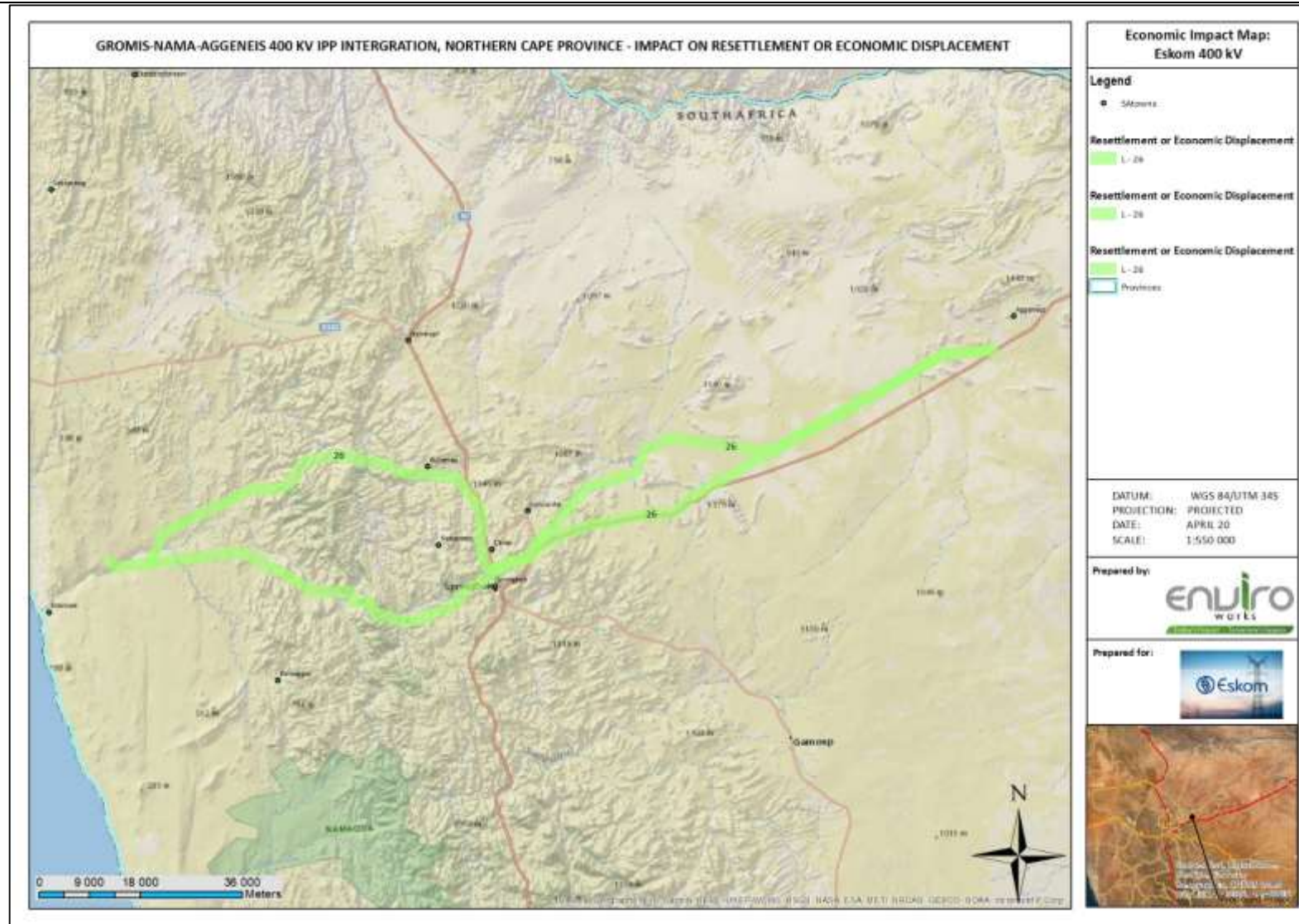


Figure 47 RESETTLEMENT OR ECONOMIC DISPLACEMENT, IMPACT RATING MAP FOR THE OPERATIONAL PHASE

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

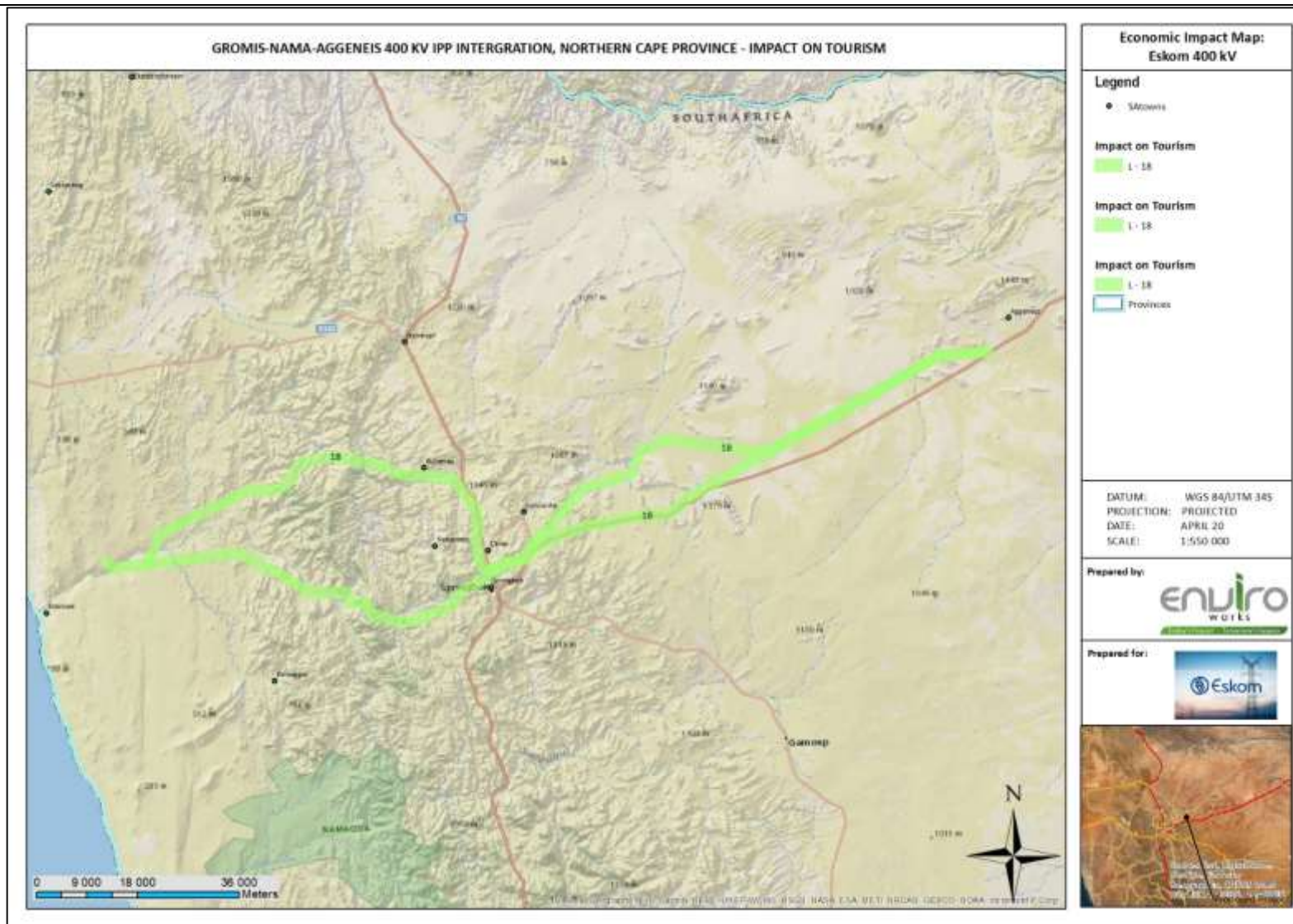
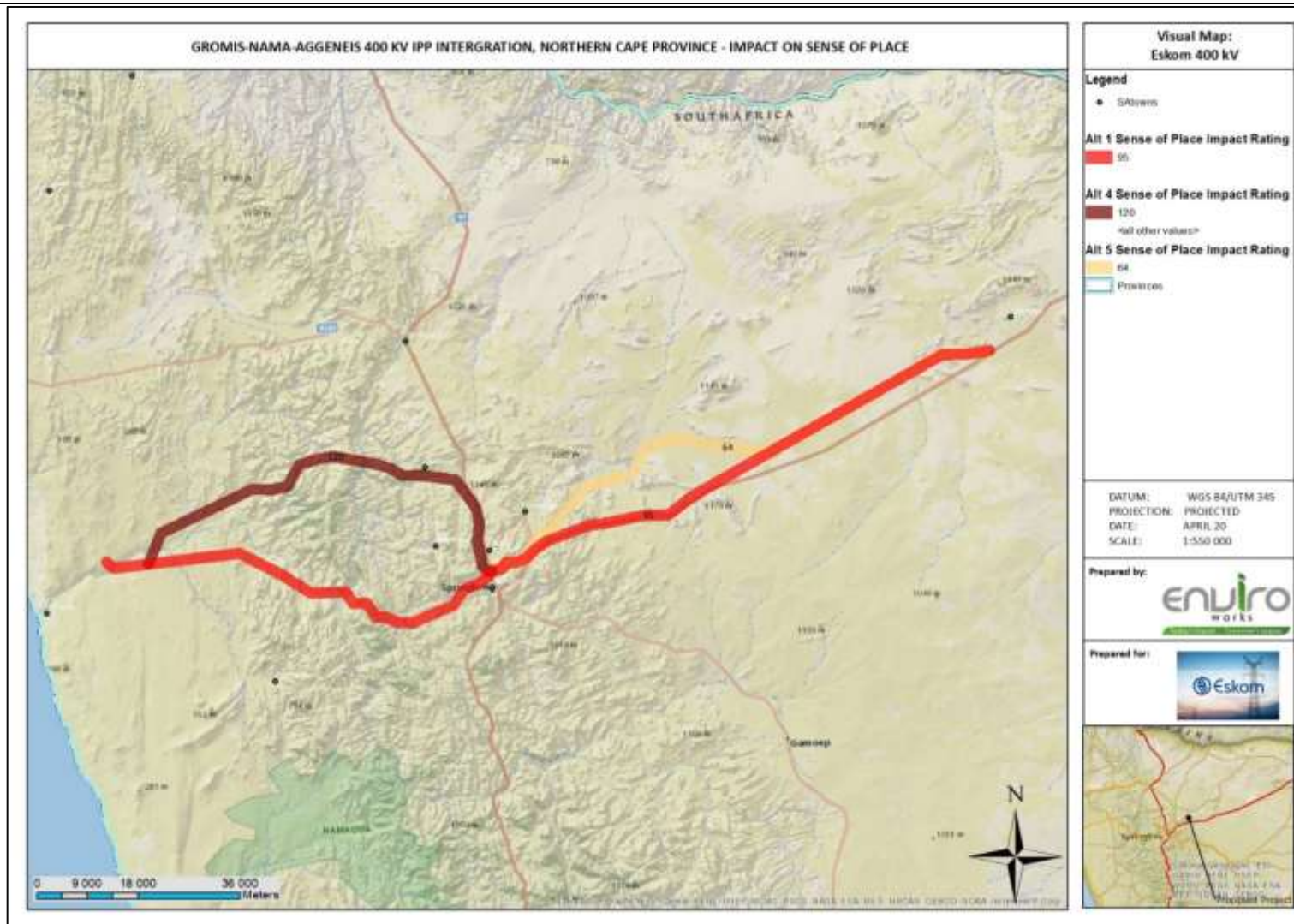


Figure 48 IMPACT ON TOURISM, IMPACT RATING MAP FOR THE OPERATIONAL PHASE

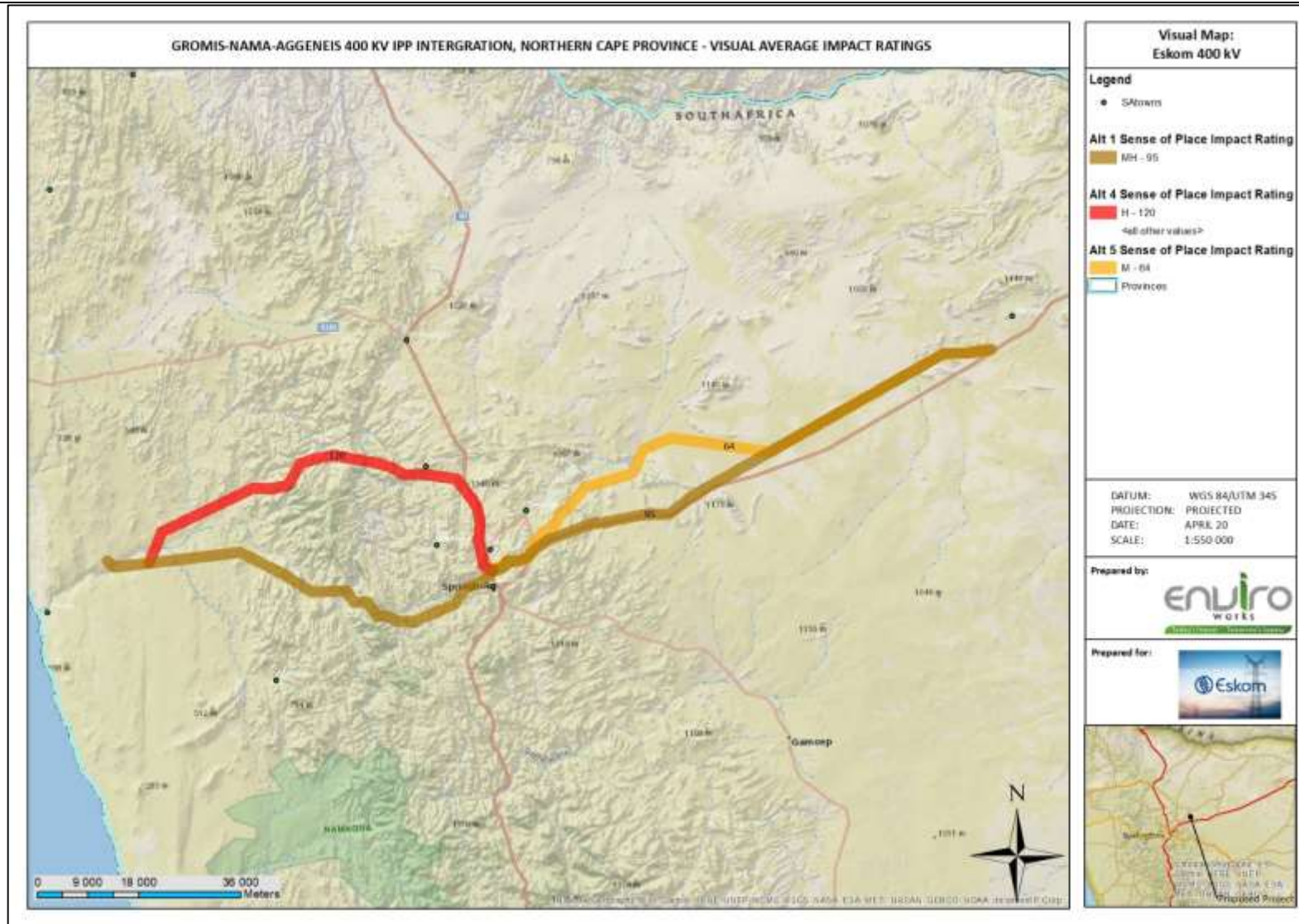
IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE



3. VISUAL IMPACTS



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE



#### 4. HERITAGE IMPACTS

##### a. Construction phase

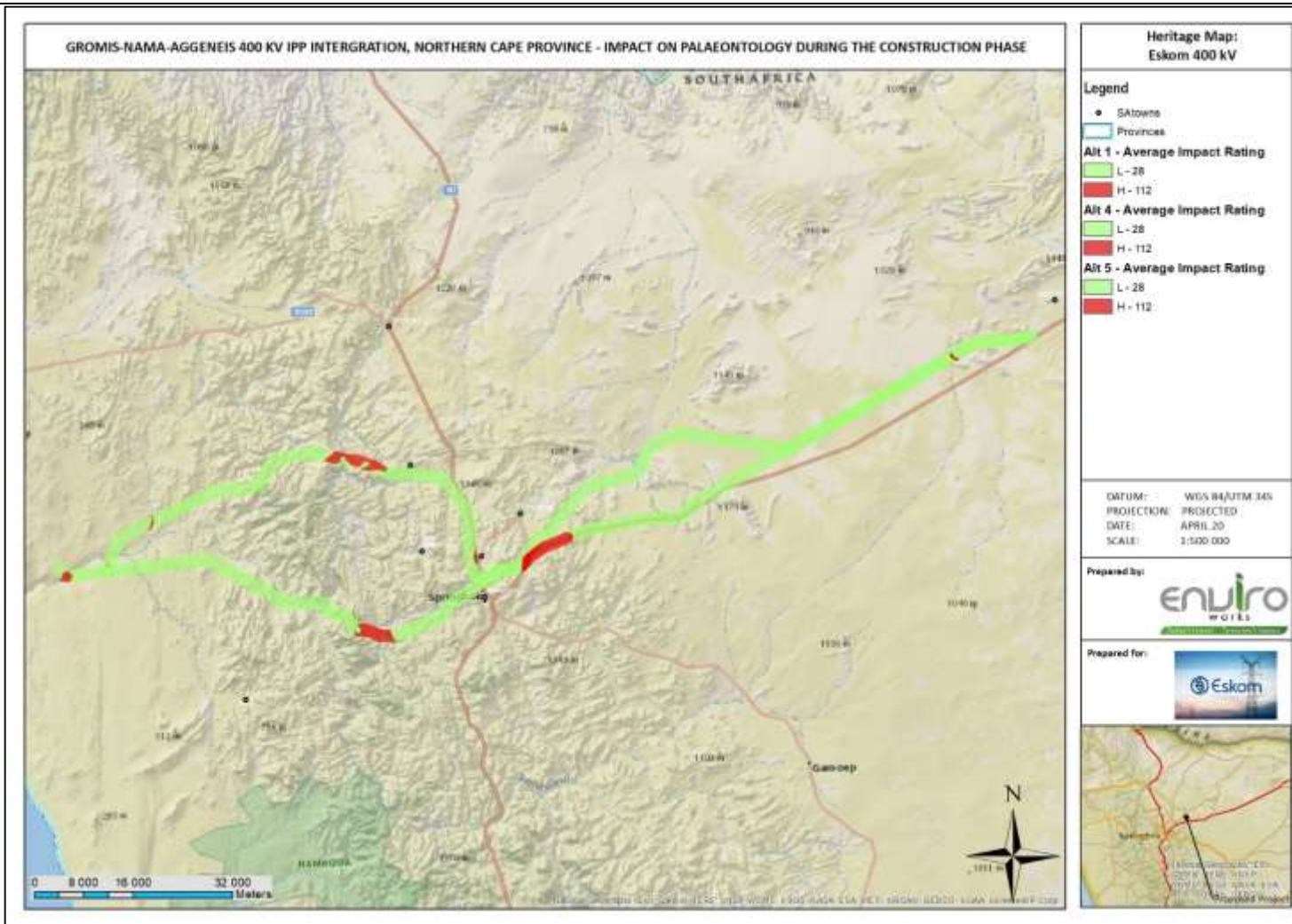
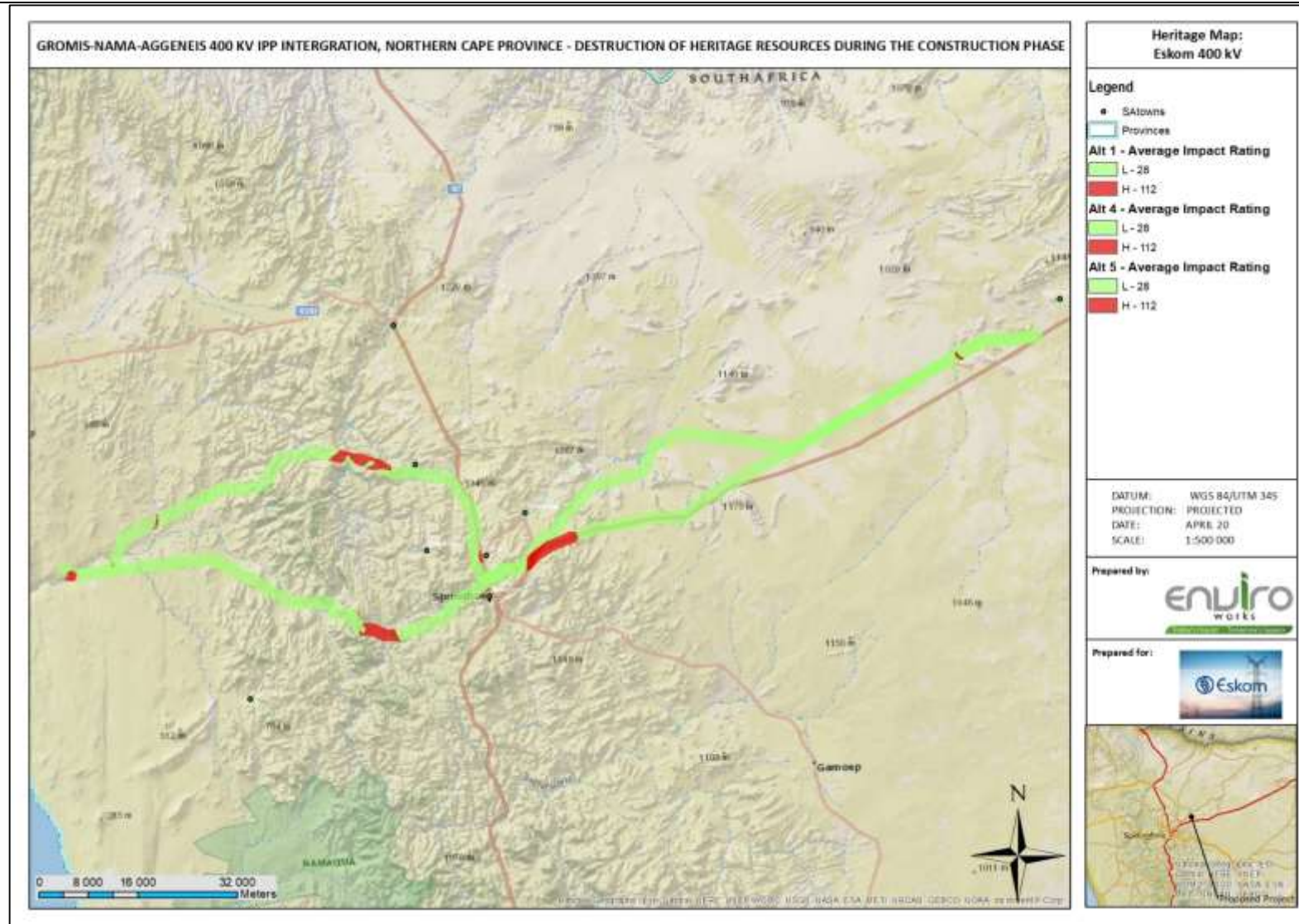
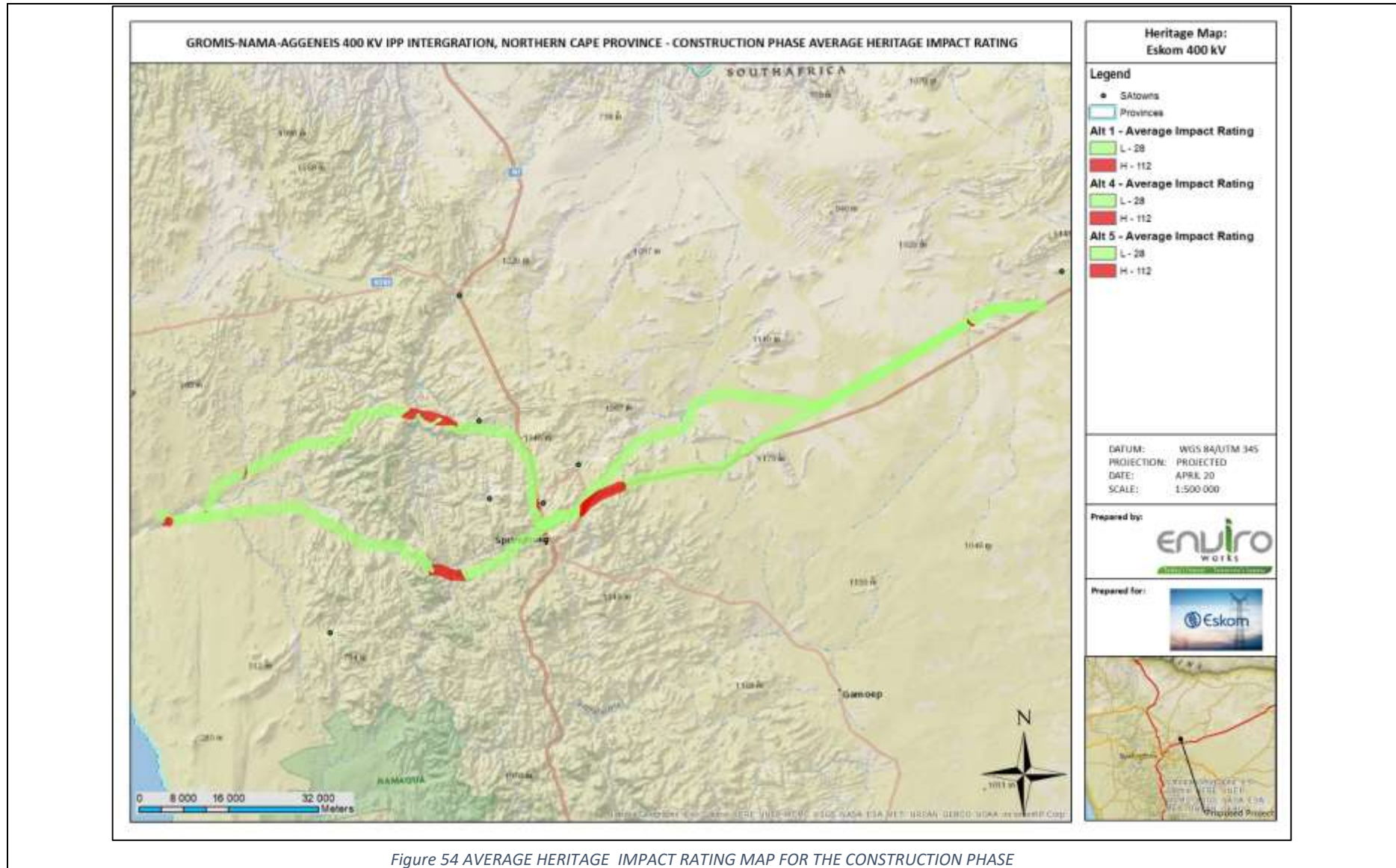


Figure 52 IMPACTS ON PALEONTOLOGY, IMPACT RATING MAP FOR THE CONSTRUCTION PHASE

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE



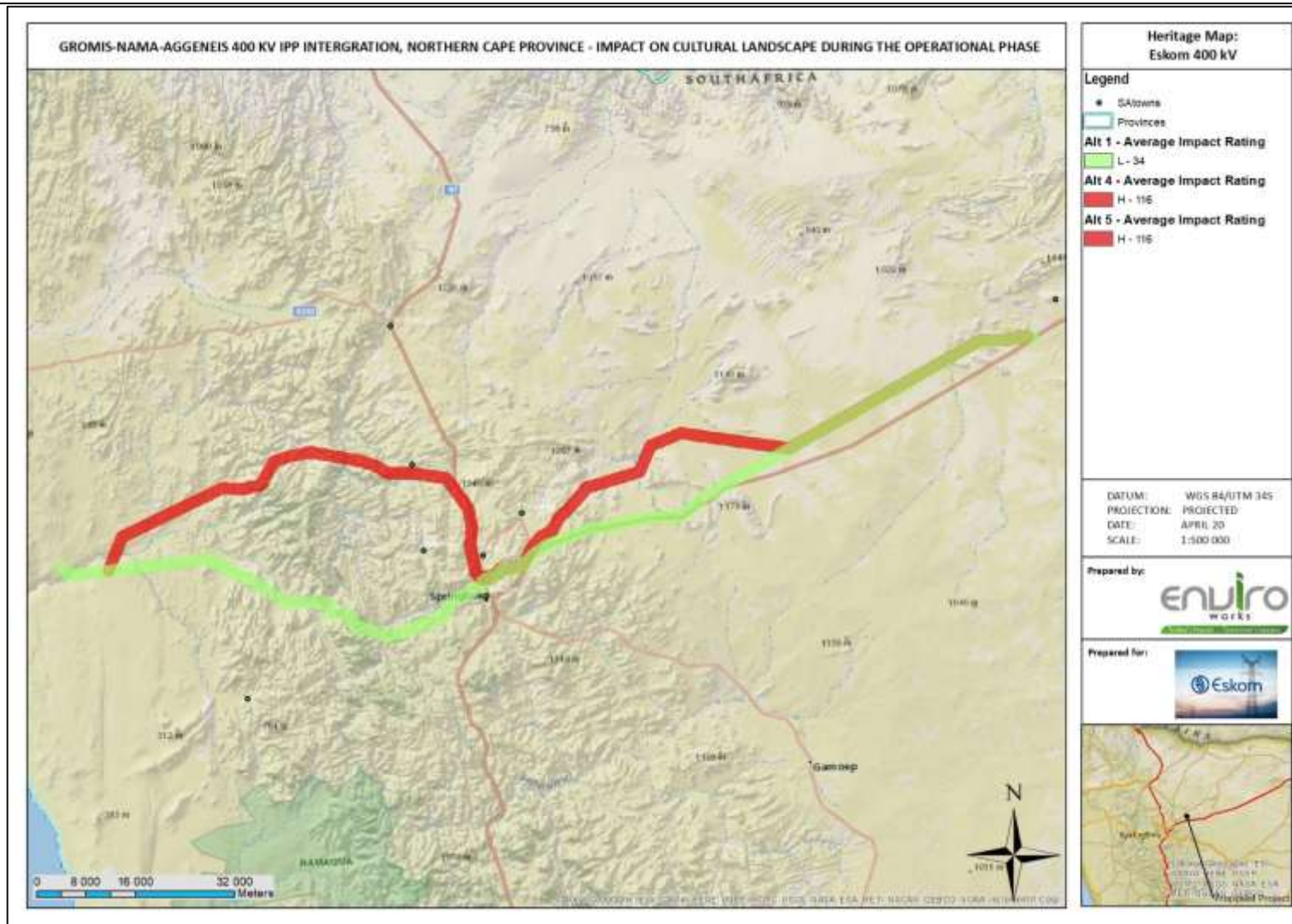
IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE





IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

b. Operational phase



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

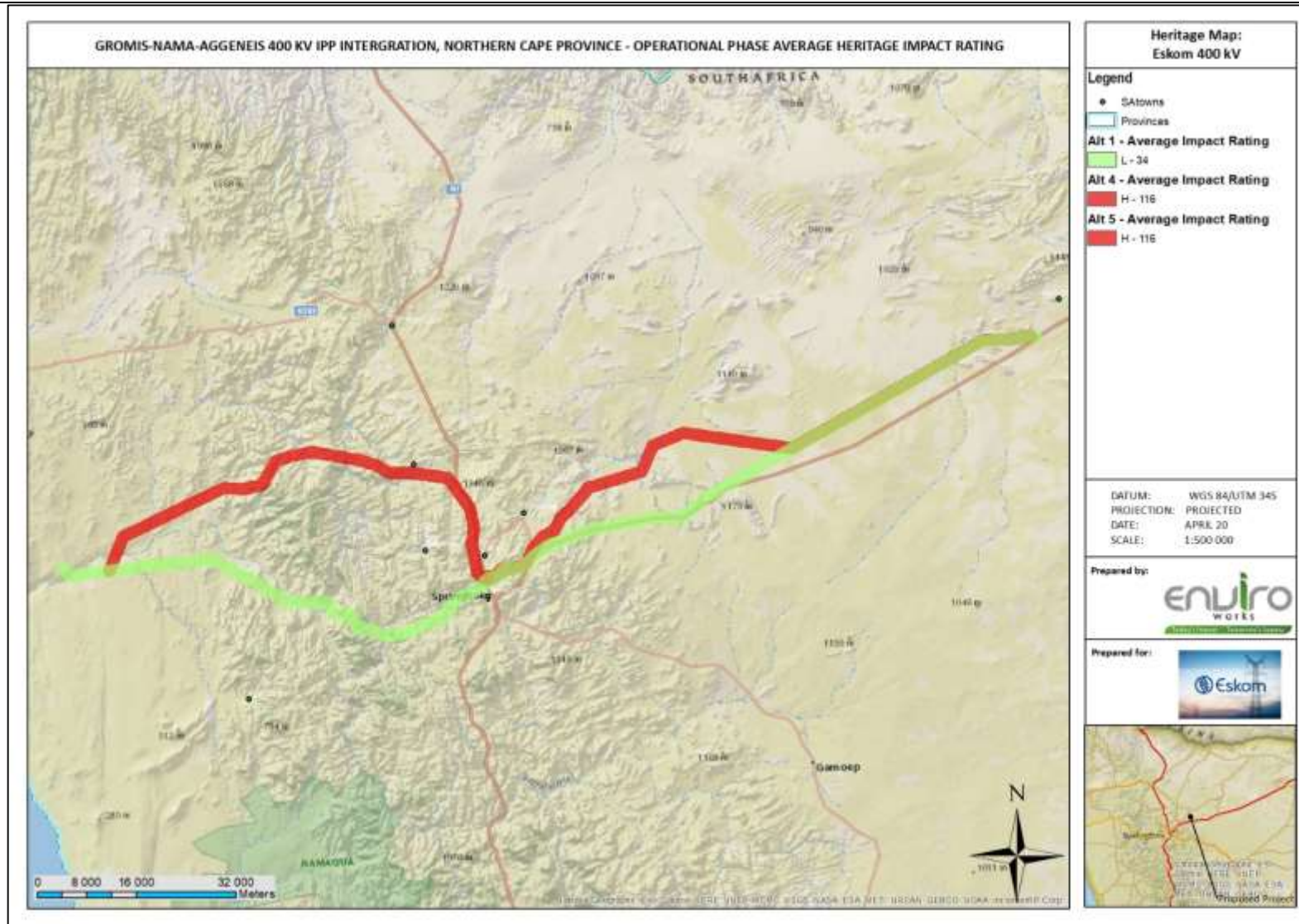


Figure 56 AVERAGE HERITAGE IMPACT RATING MAP FOR THE OPERATIONAL PHASE

5. AGRICULTURAL IMPACTS

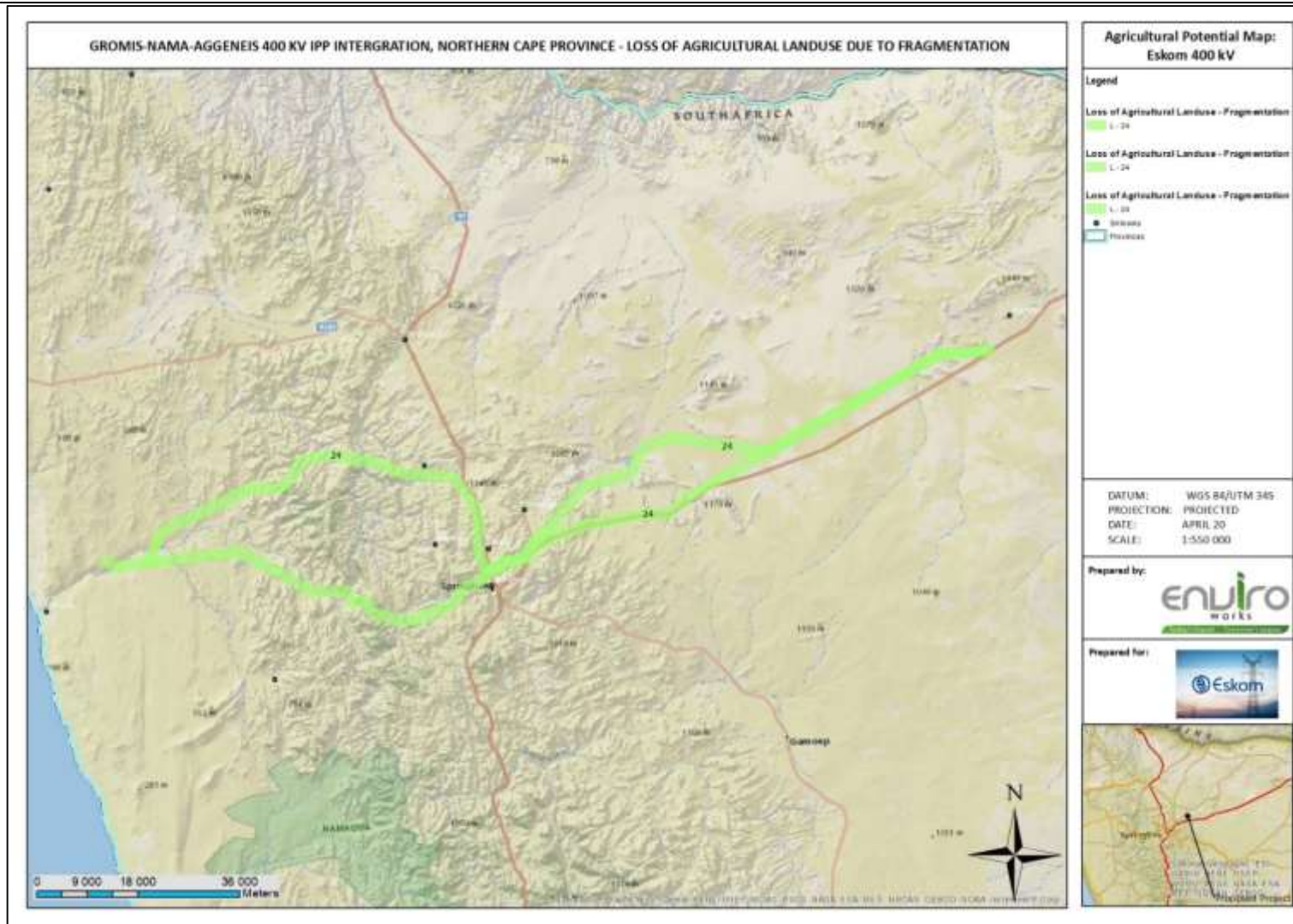


Figure 57 LOSS OF AGRICULTURAL LANDUSE DUE TO FRAGMENTATION, IMPACT RATING MAP

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

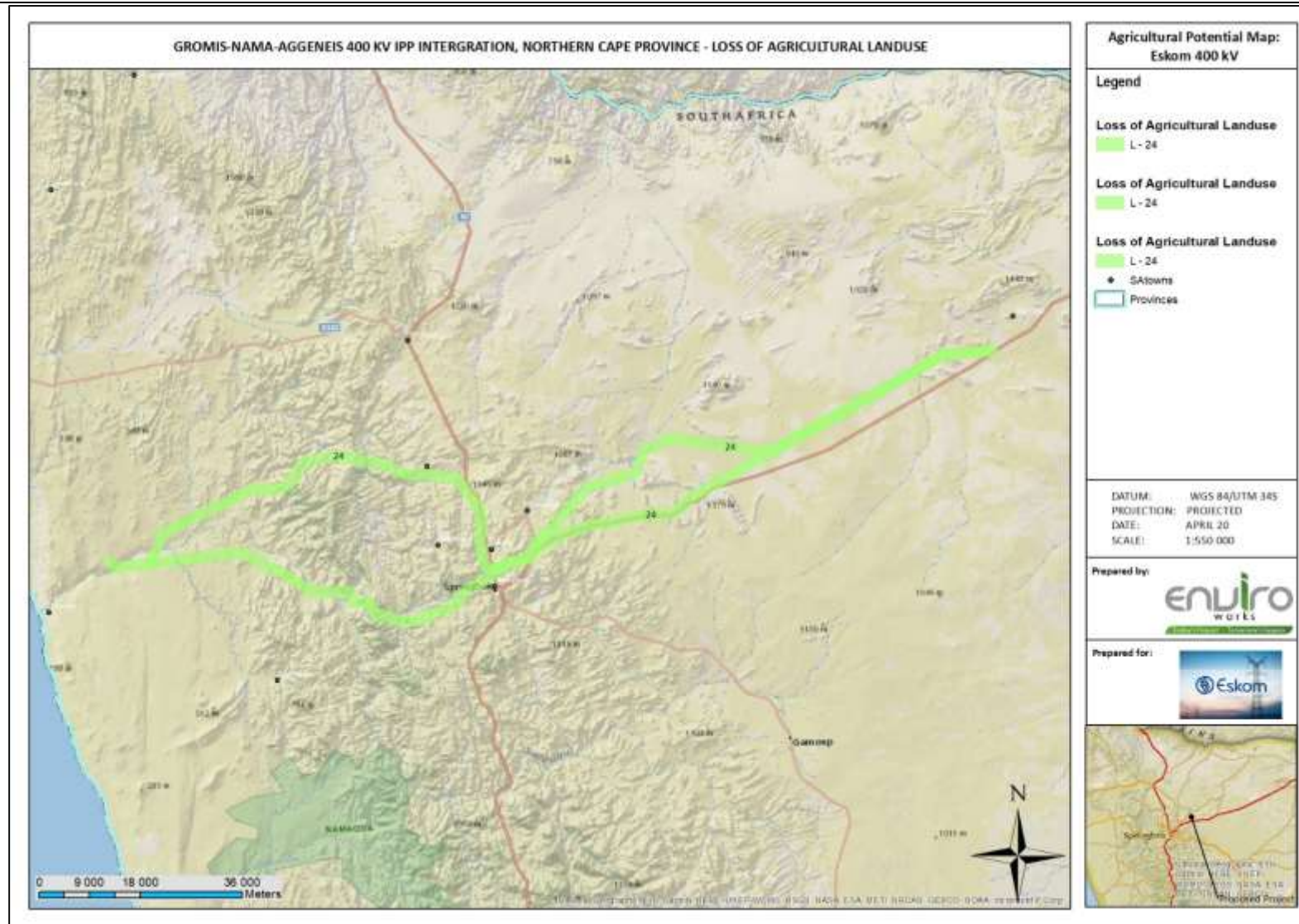


Figure 58 LOSS OF AGRICULTURAL LANDUSE, IMPACT RATING MAP

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

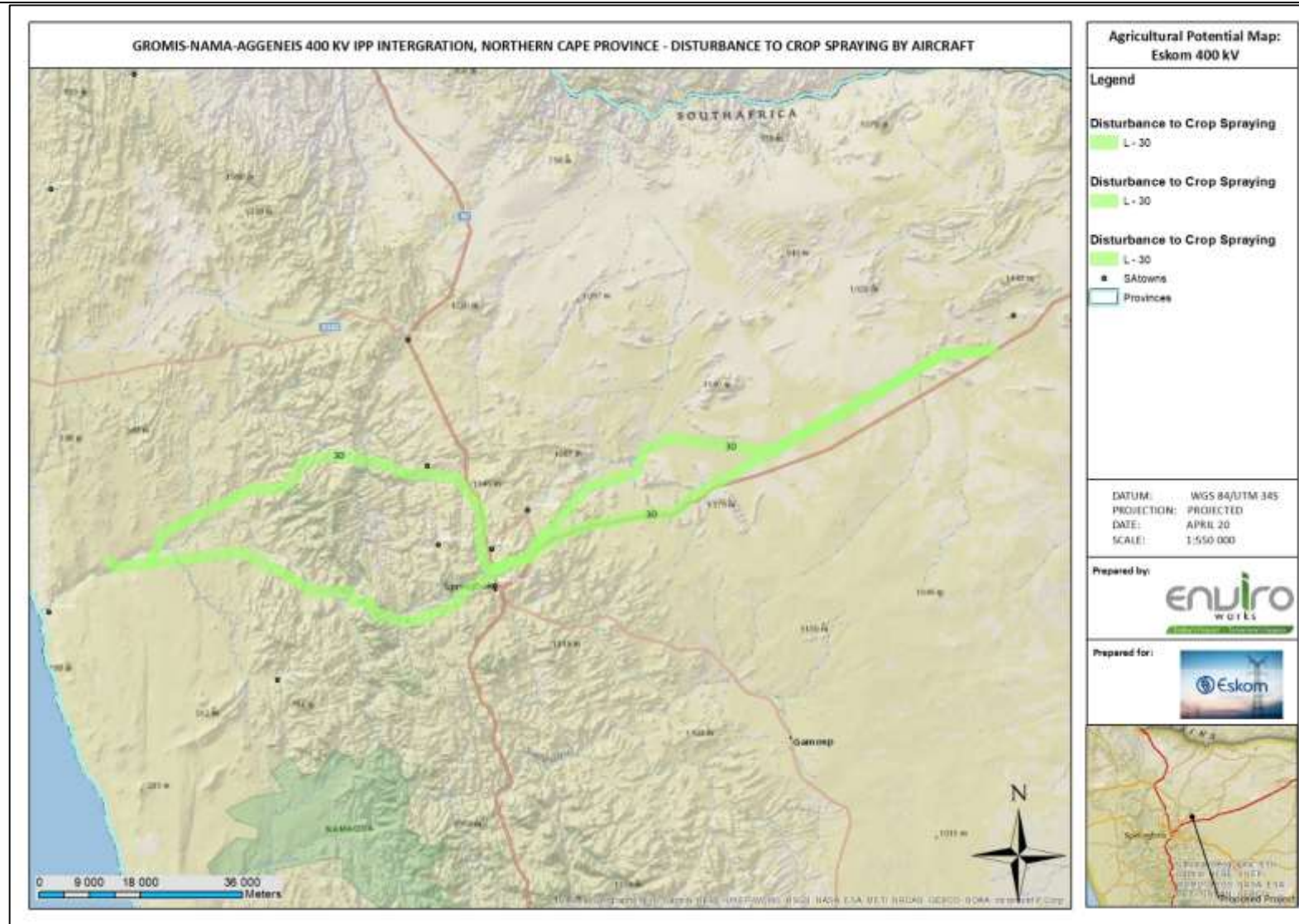
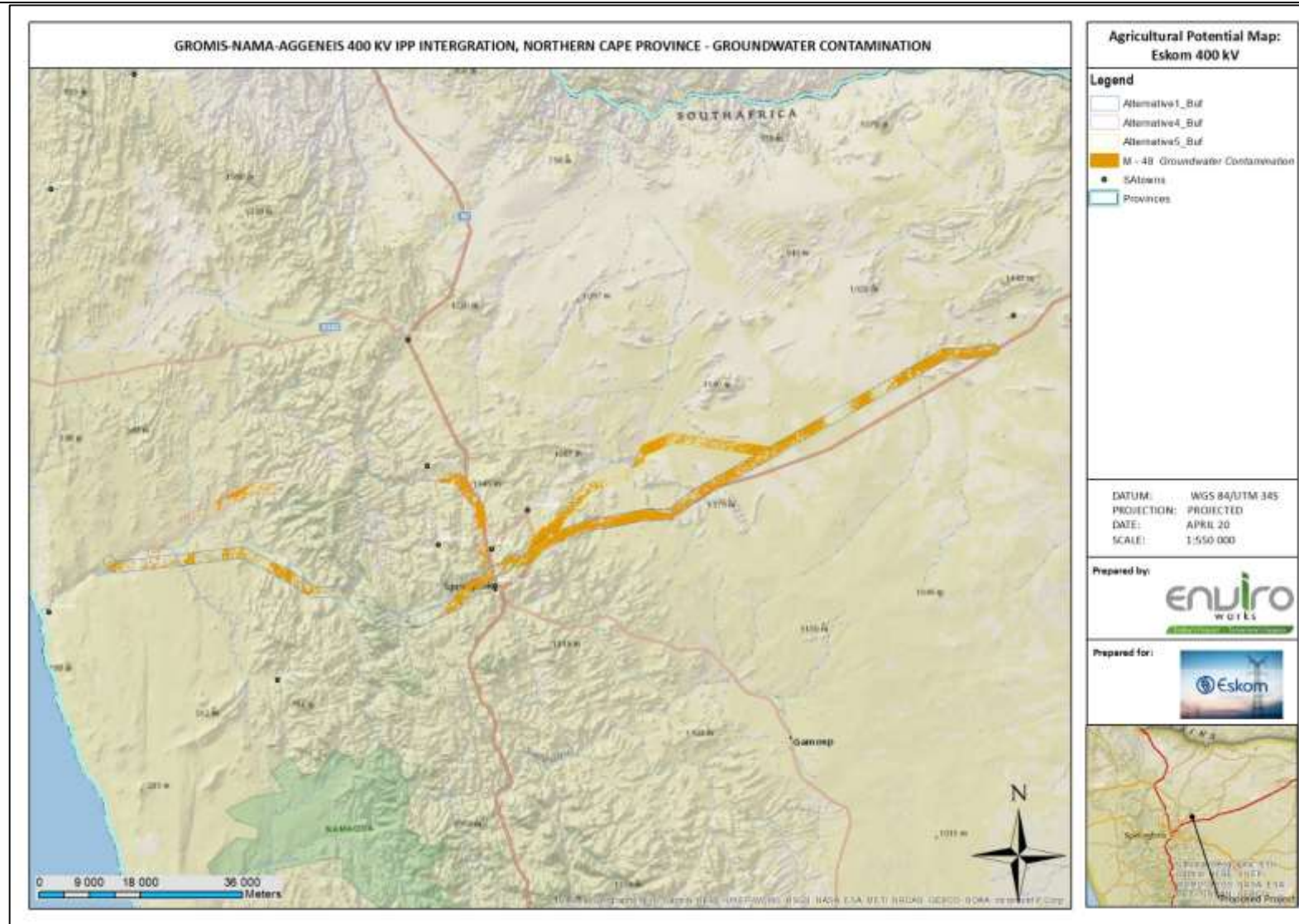


Figure 59 DISTURBANCE TO CROP SPRAYING BY AIRCRAFT, IMPACT RATING MAP

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

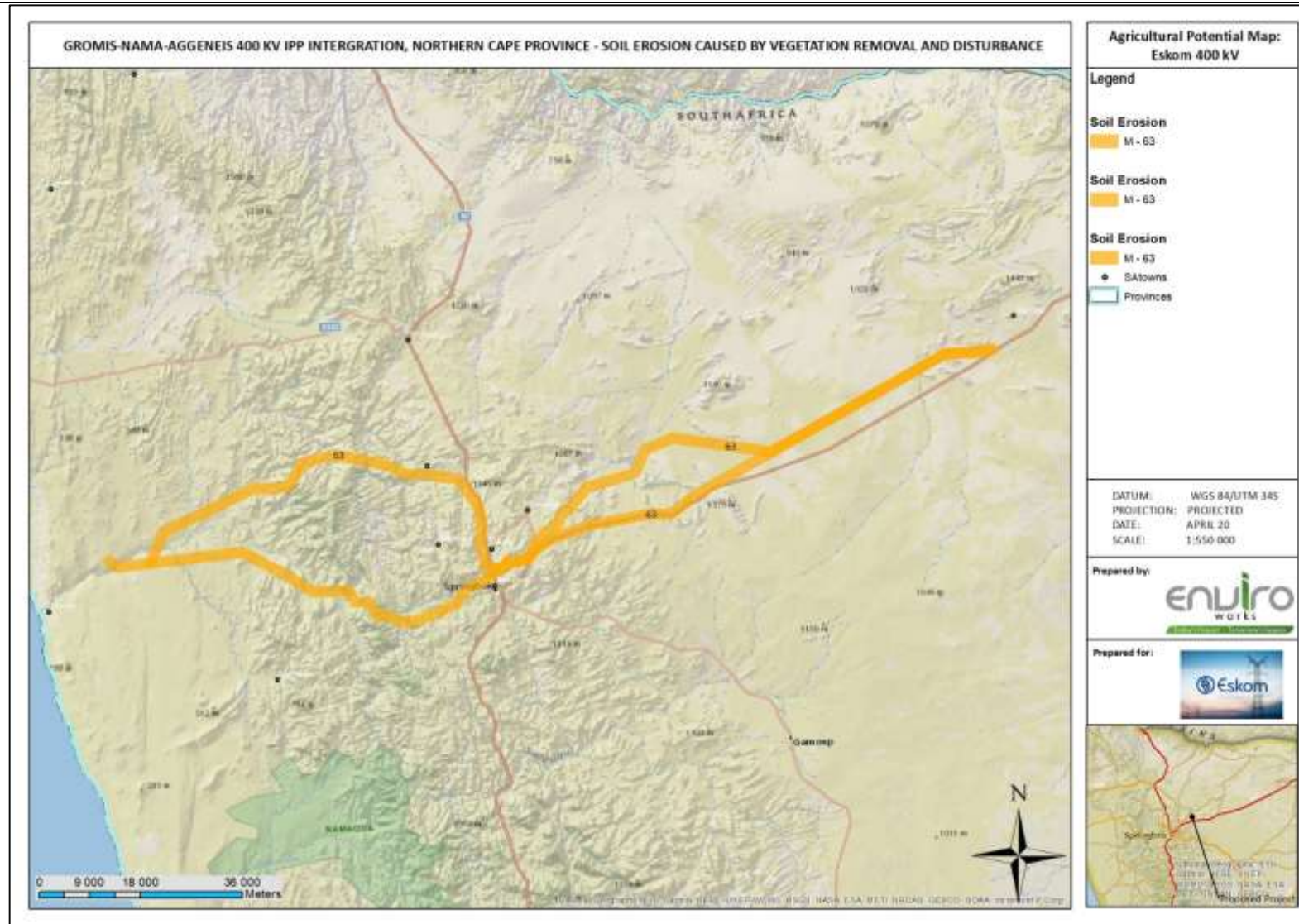


Figure 61 SOIL EROSION CAUSED BY VEGETATION REMOVAL AND DISTURBANCE, IMPACT RATING MAP

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

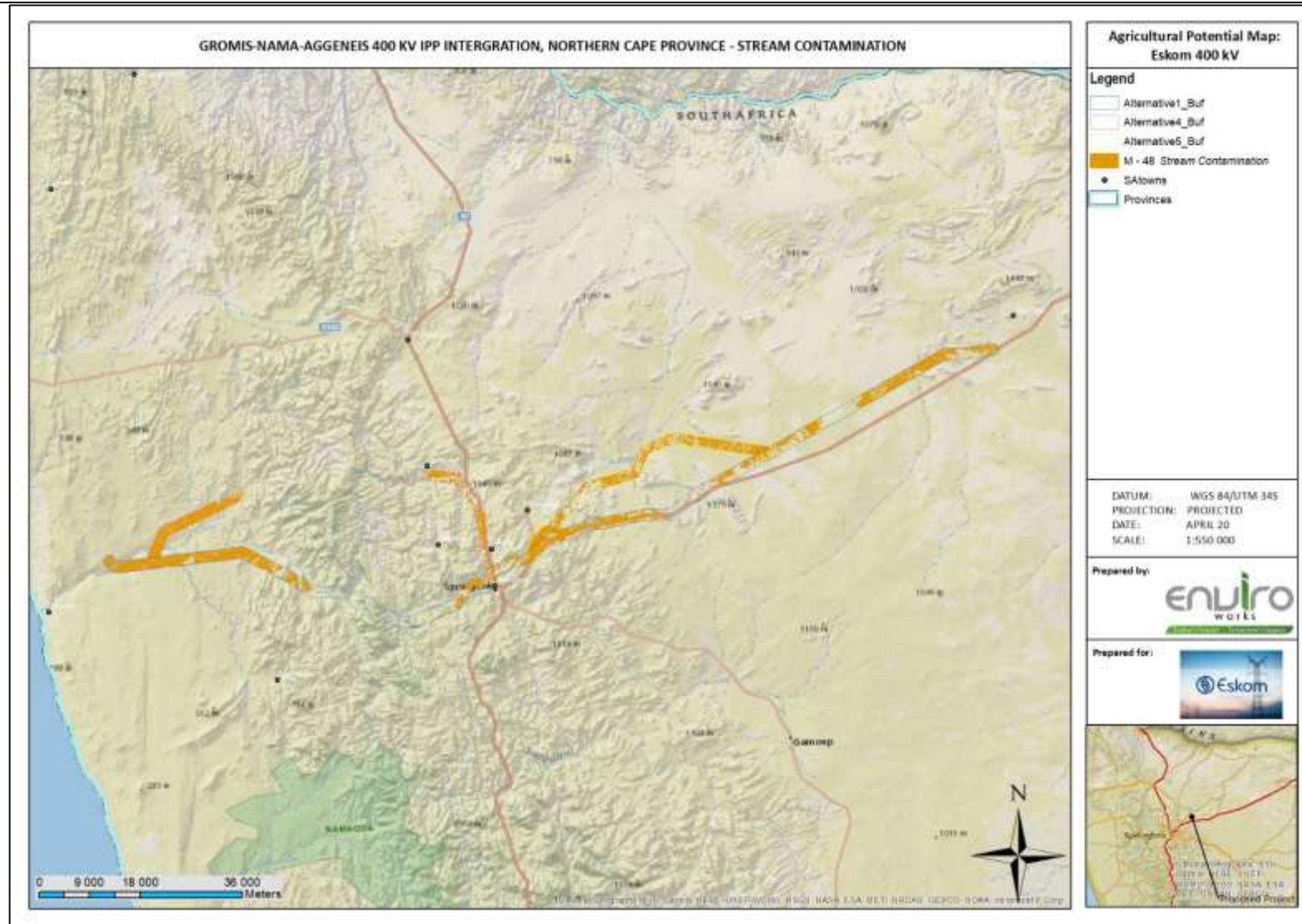


Figure 62 STREAM CONTAMINATION, IMPACT RATING MAP



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

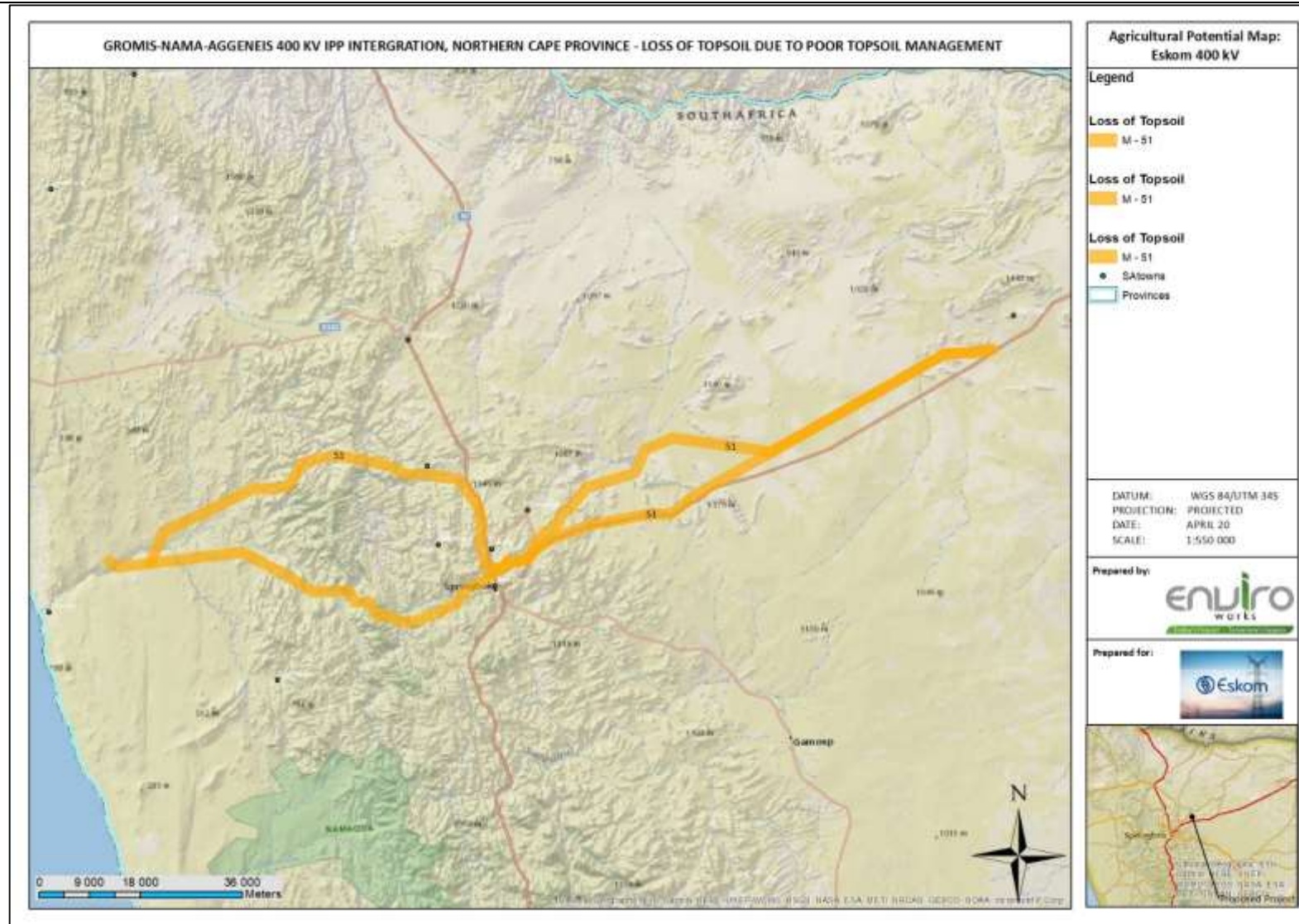
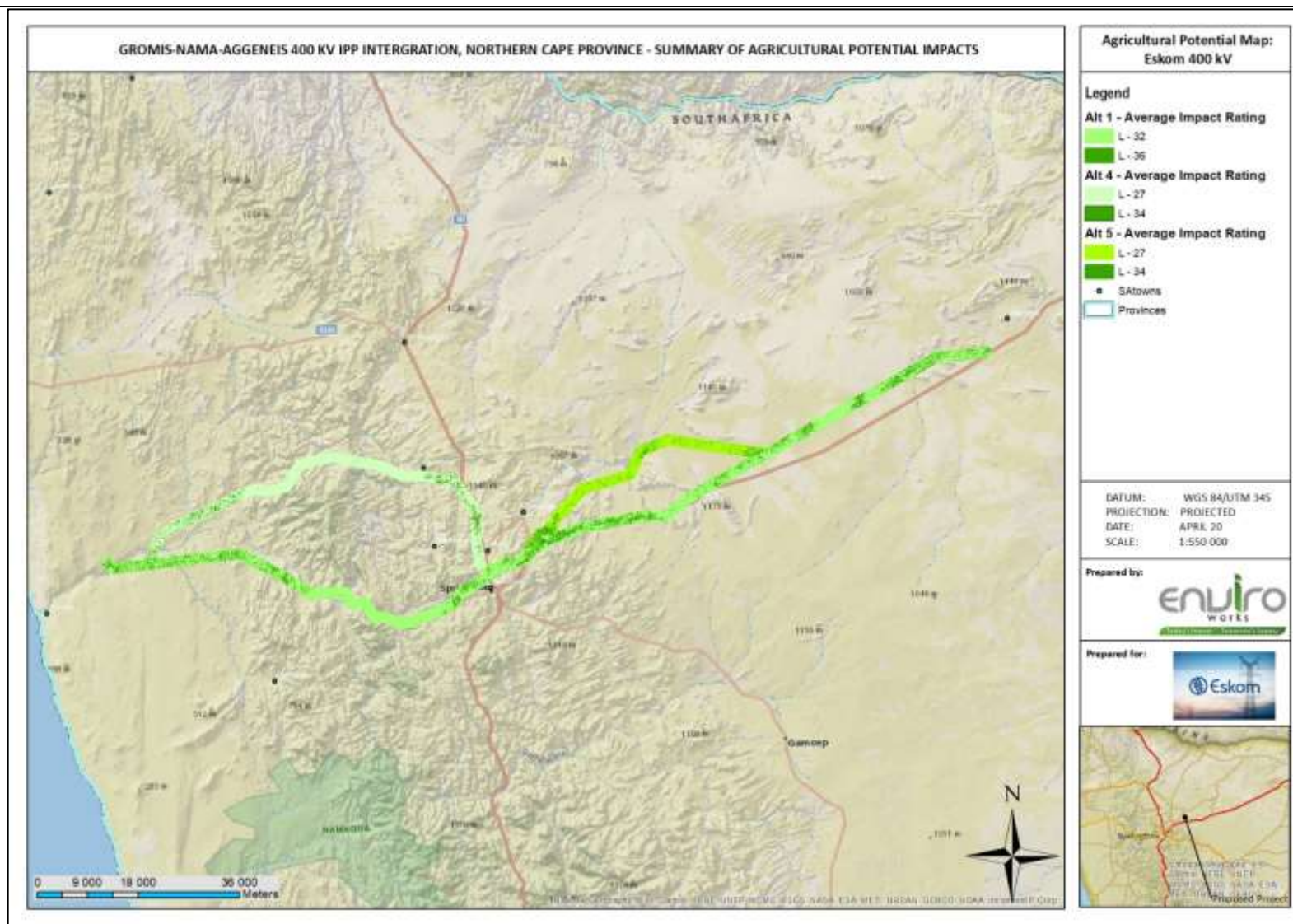
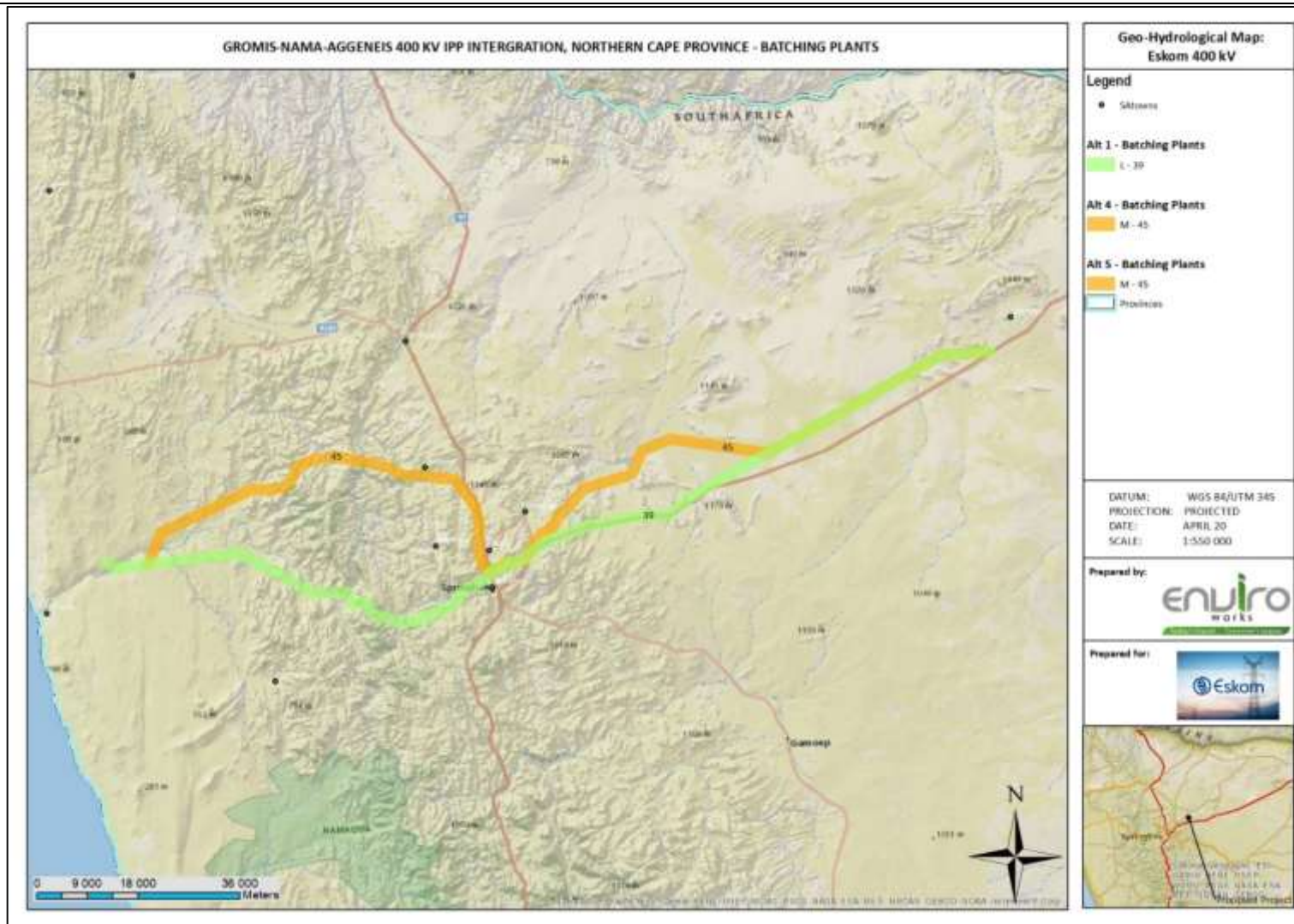


Figure 63 LOSS OF TOPSOIL DUE TO POOR TOPSOIL MANAGEMENT, IMPACT RATING MAP

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE



6. GEO-HYDROLOGICAL IMPACTS



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

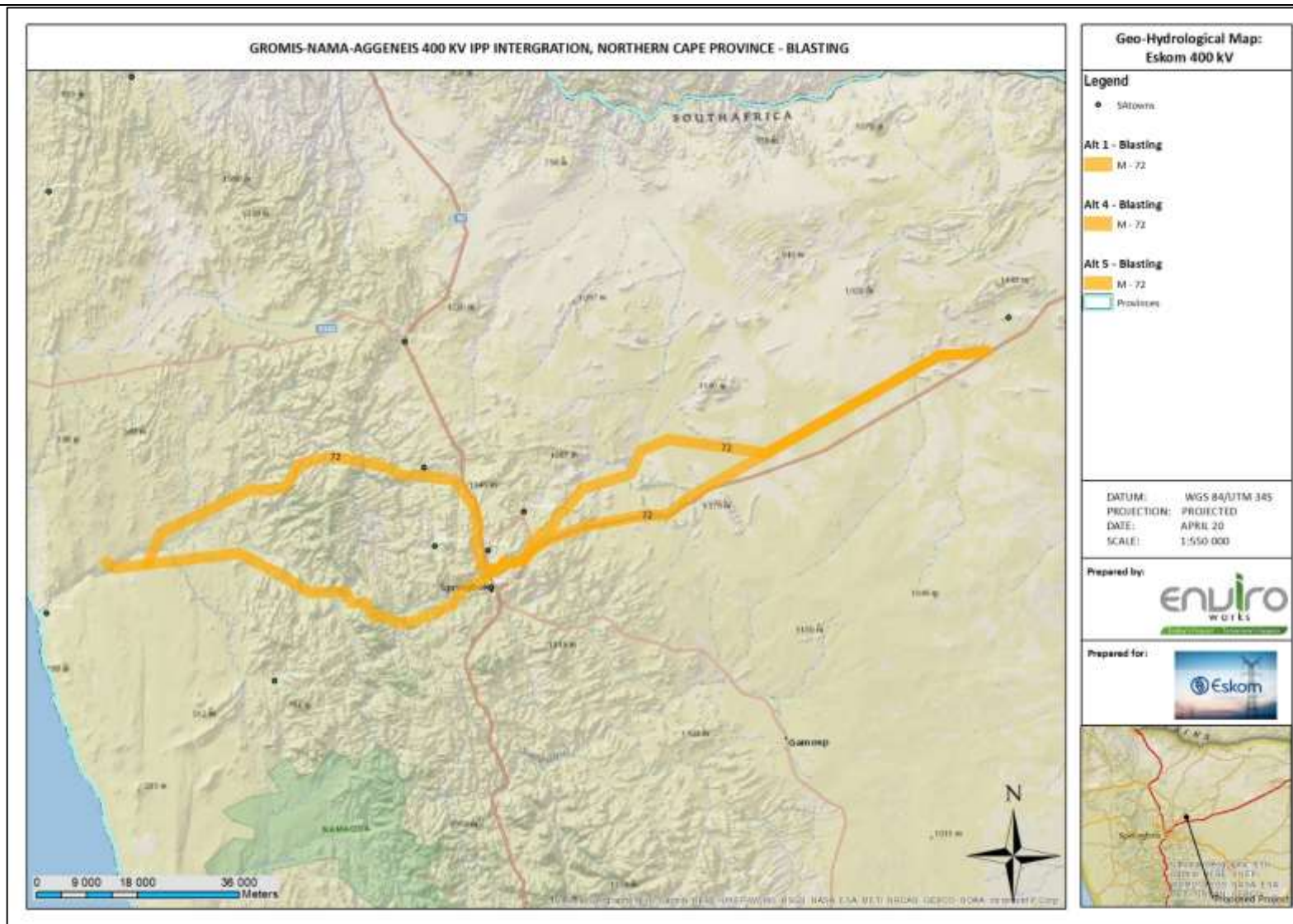
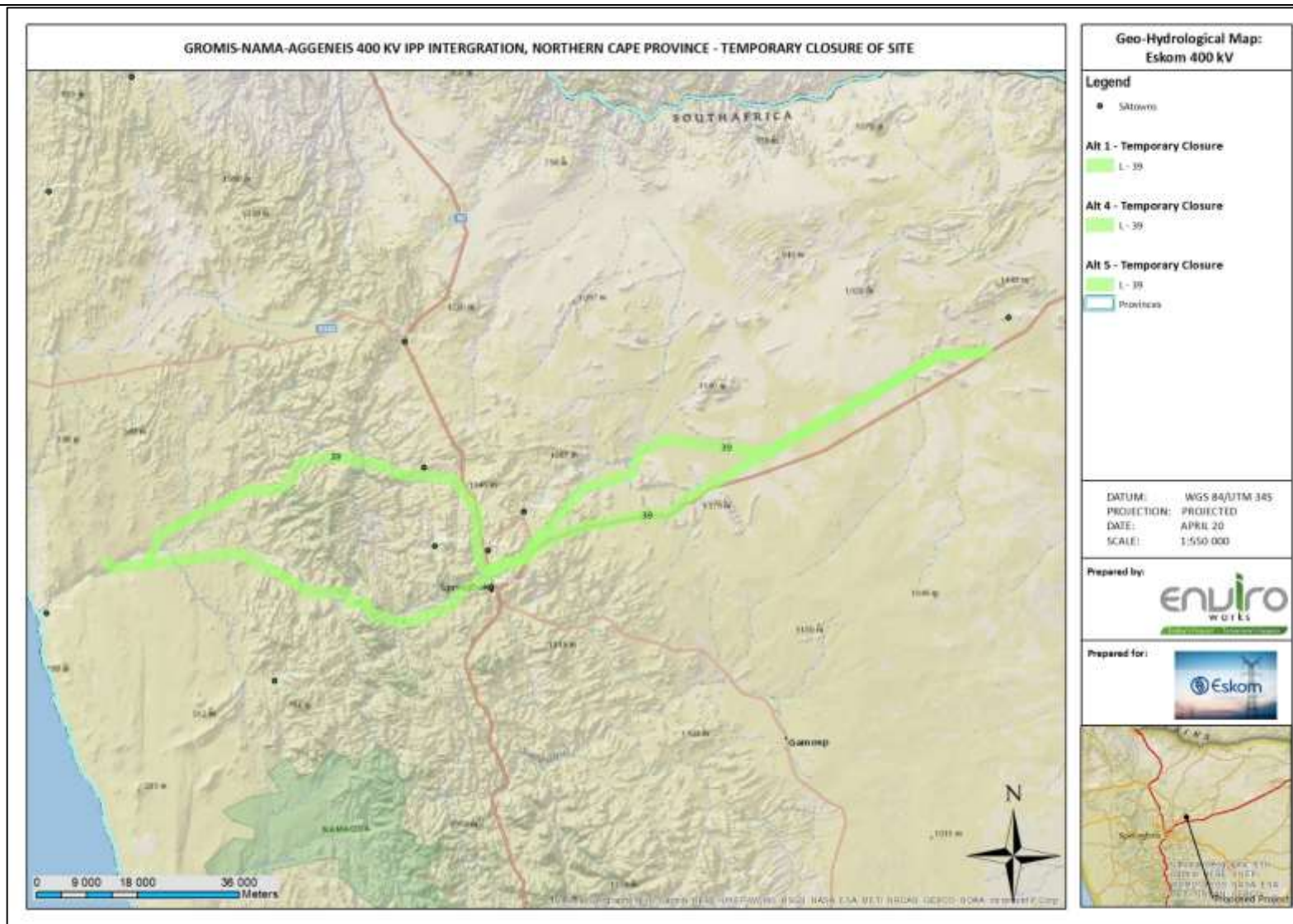
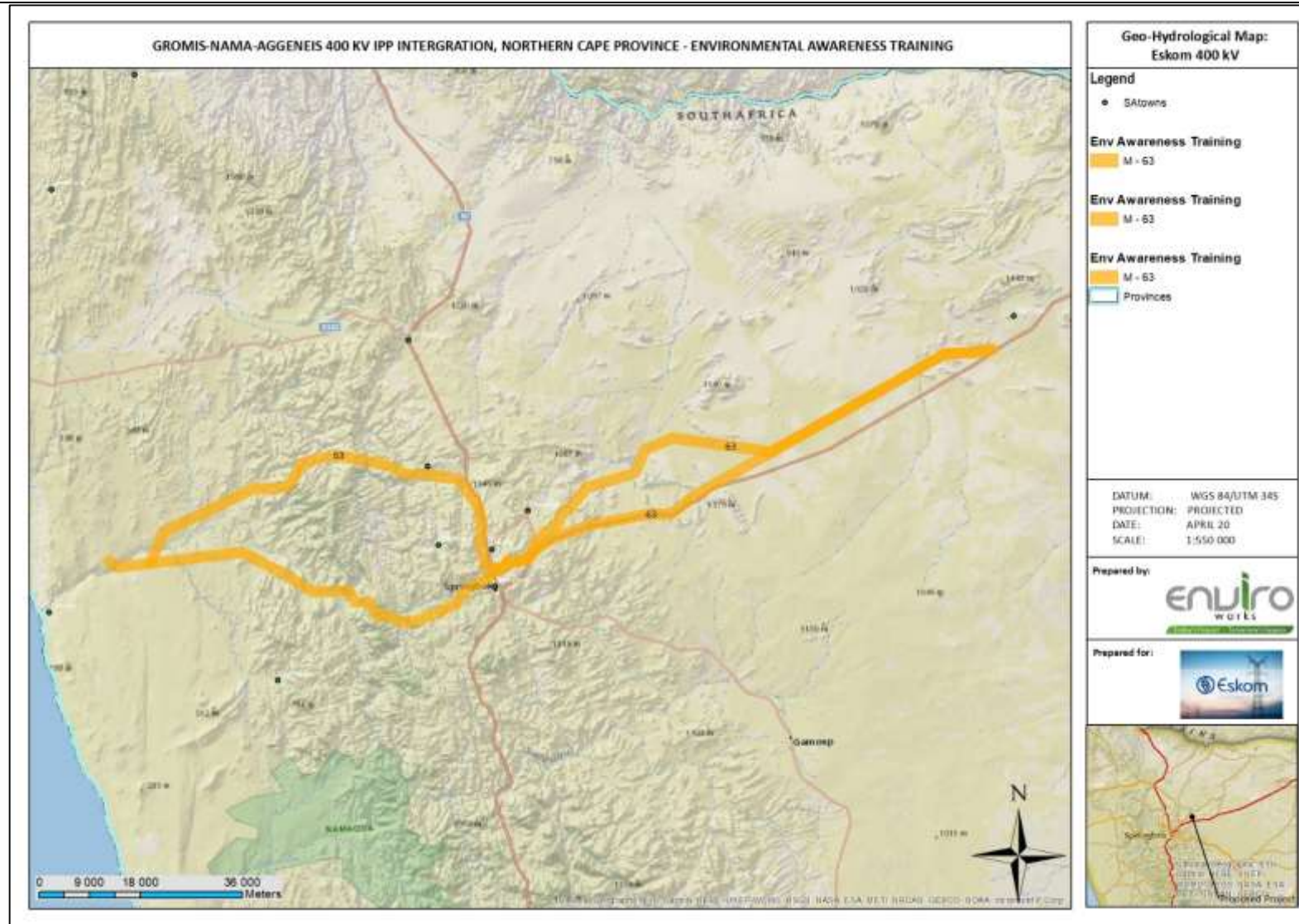


Figure 66 BLASTING, IMPACT RATING MAP

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

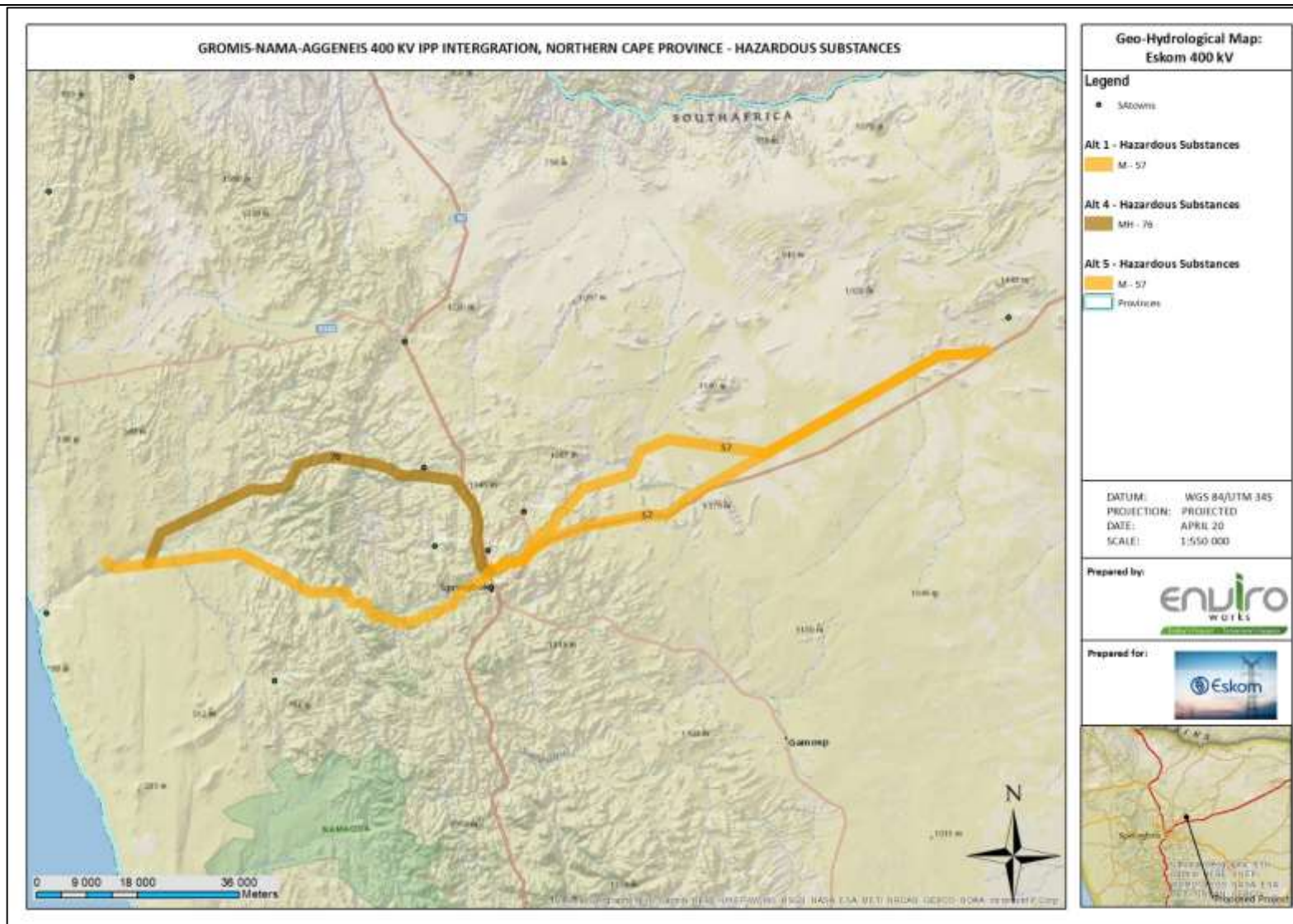
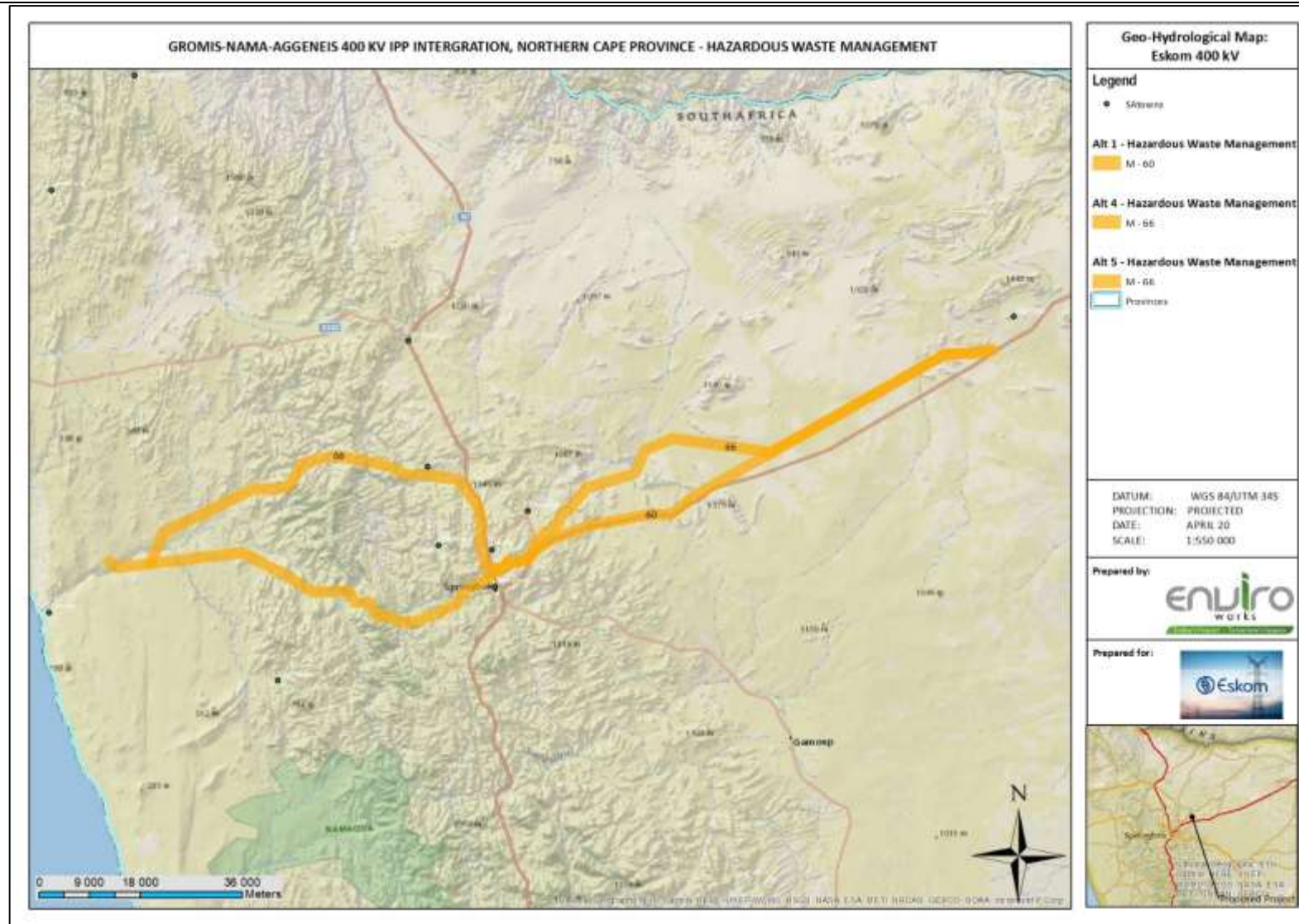


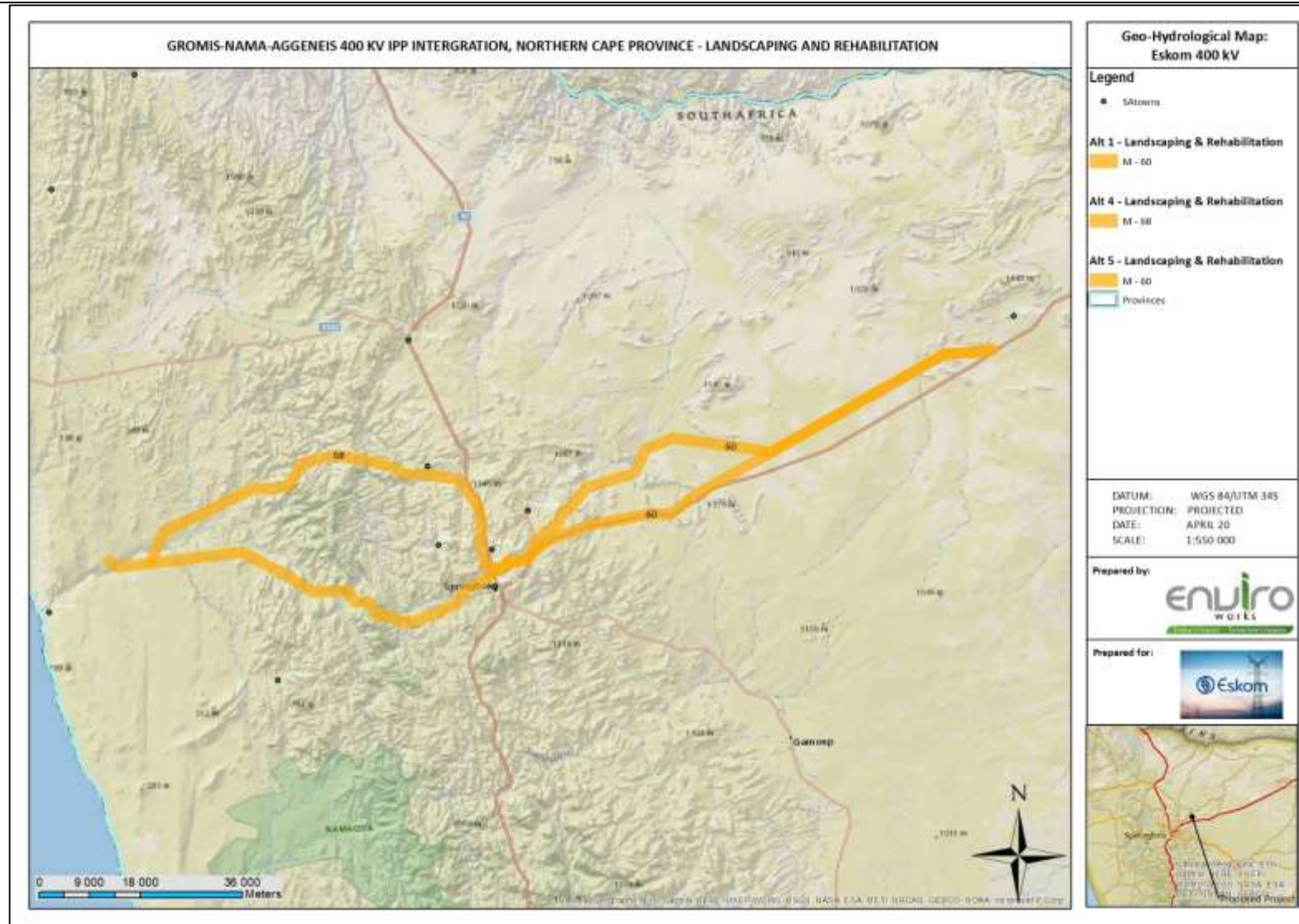
Figure 69 HAZARDOUS SUBSTANCES, IMPACT RATING MAP

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE





IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

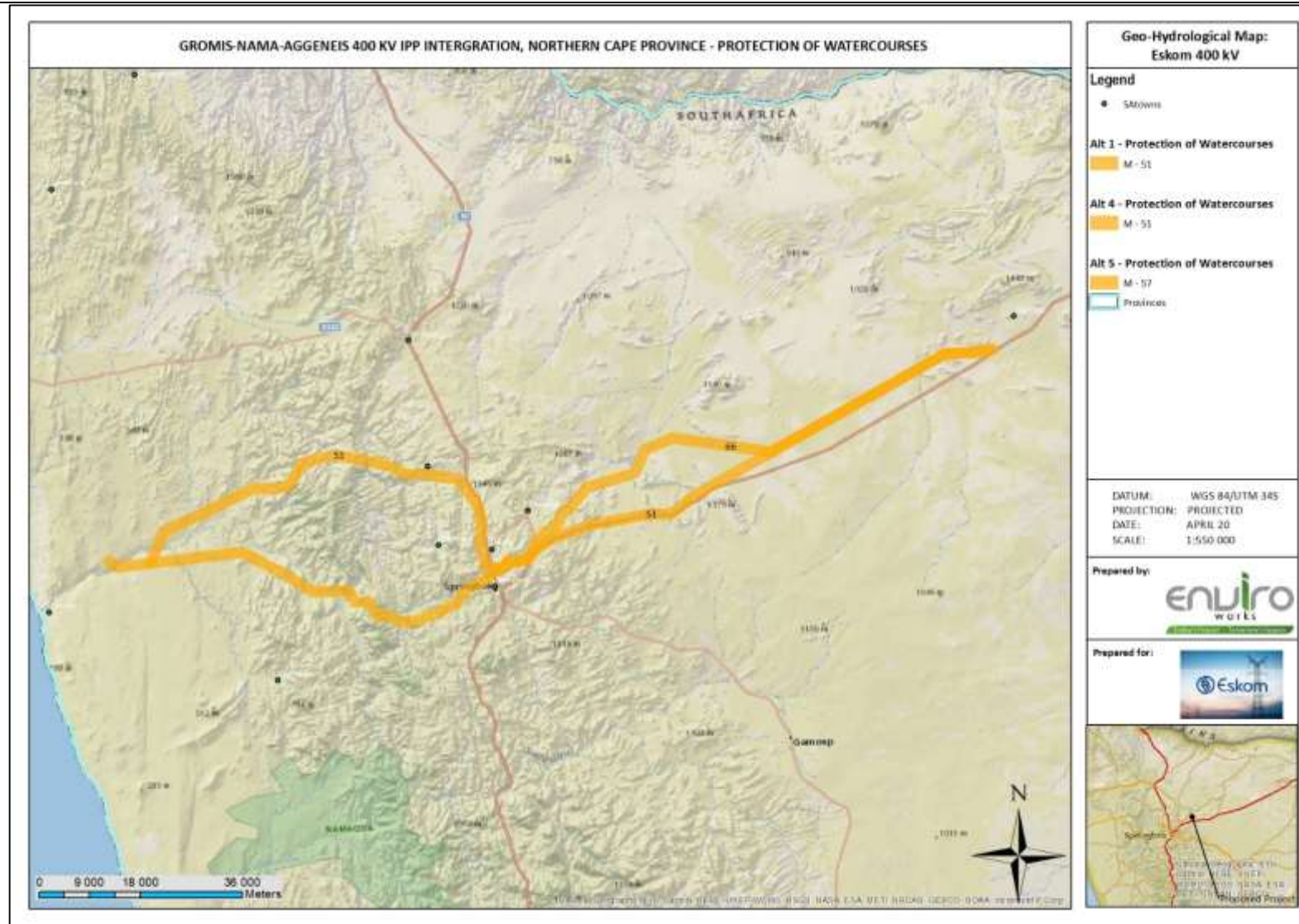
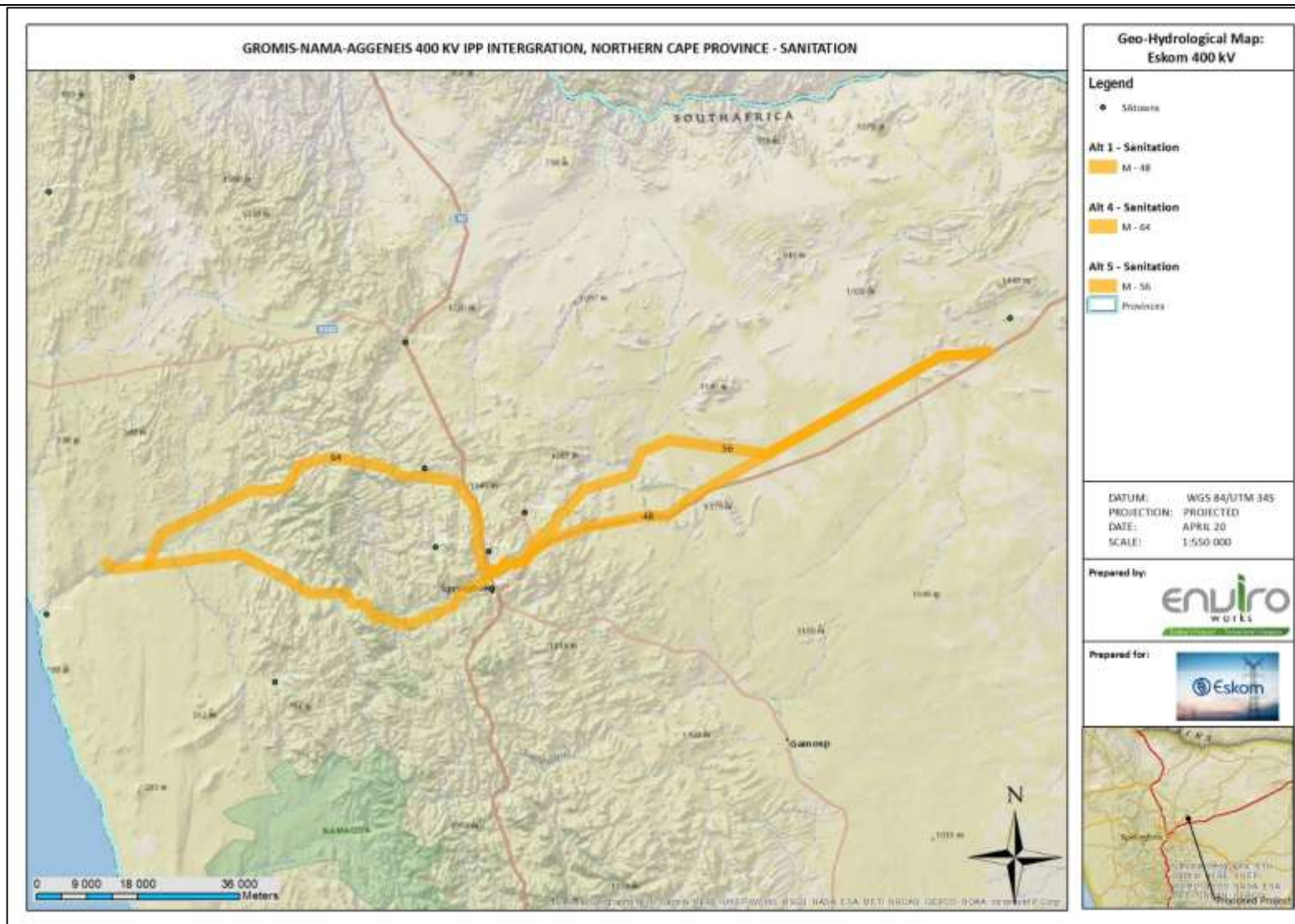
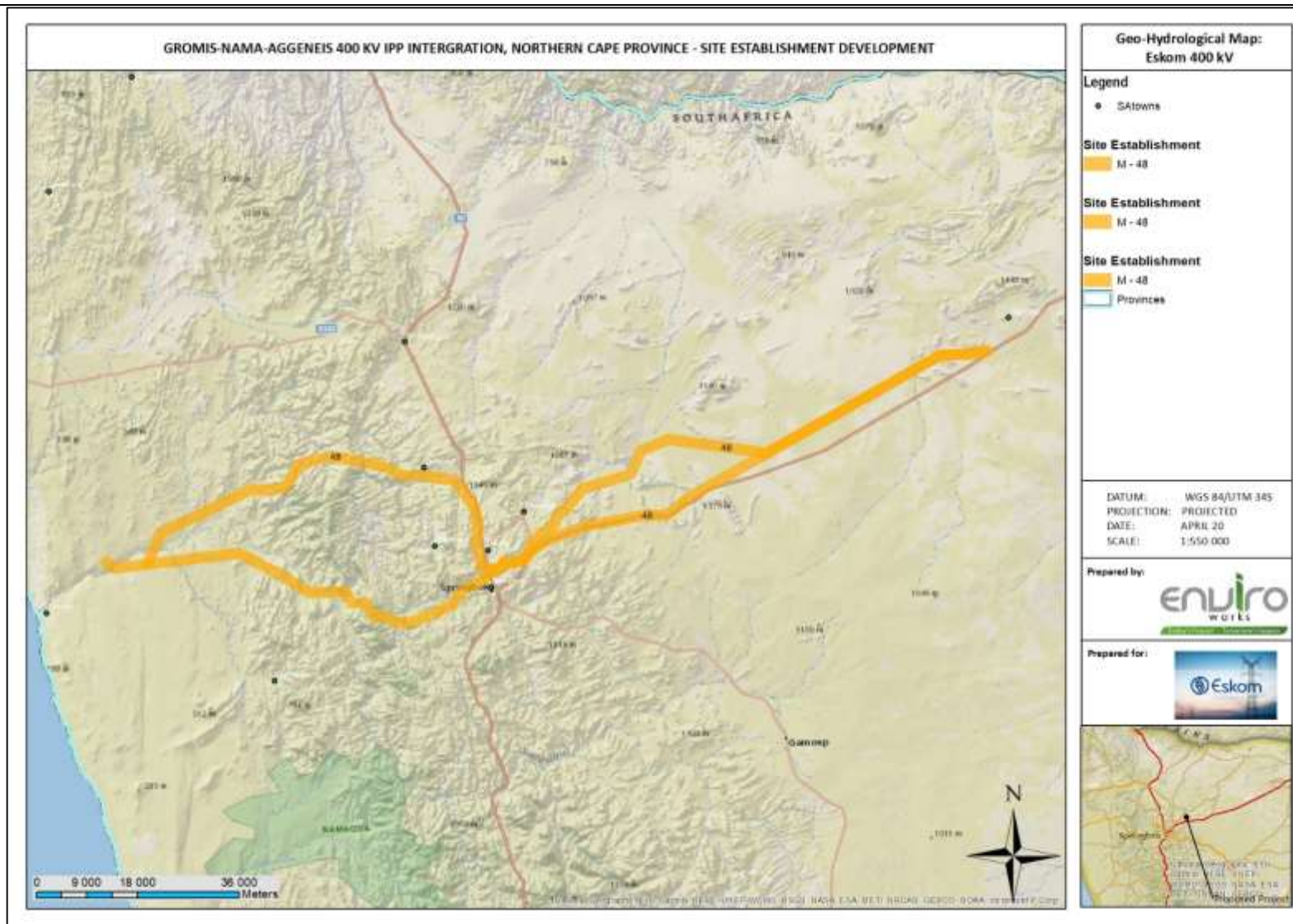


Figure 72 PROTECTION OF WATERCOURSES, IMPACT RATING MAP

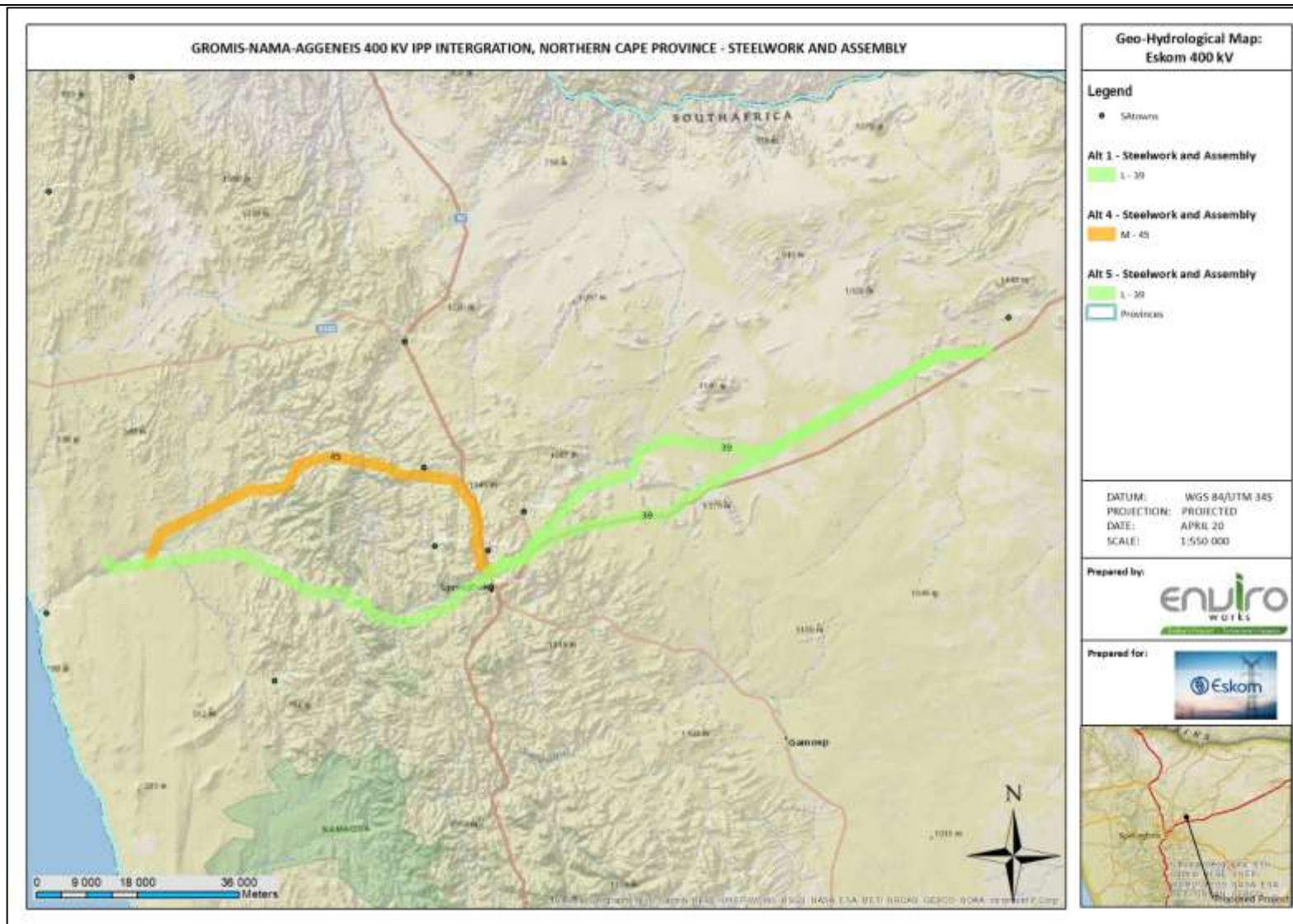
IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE



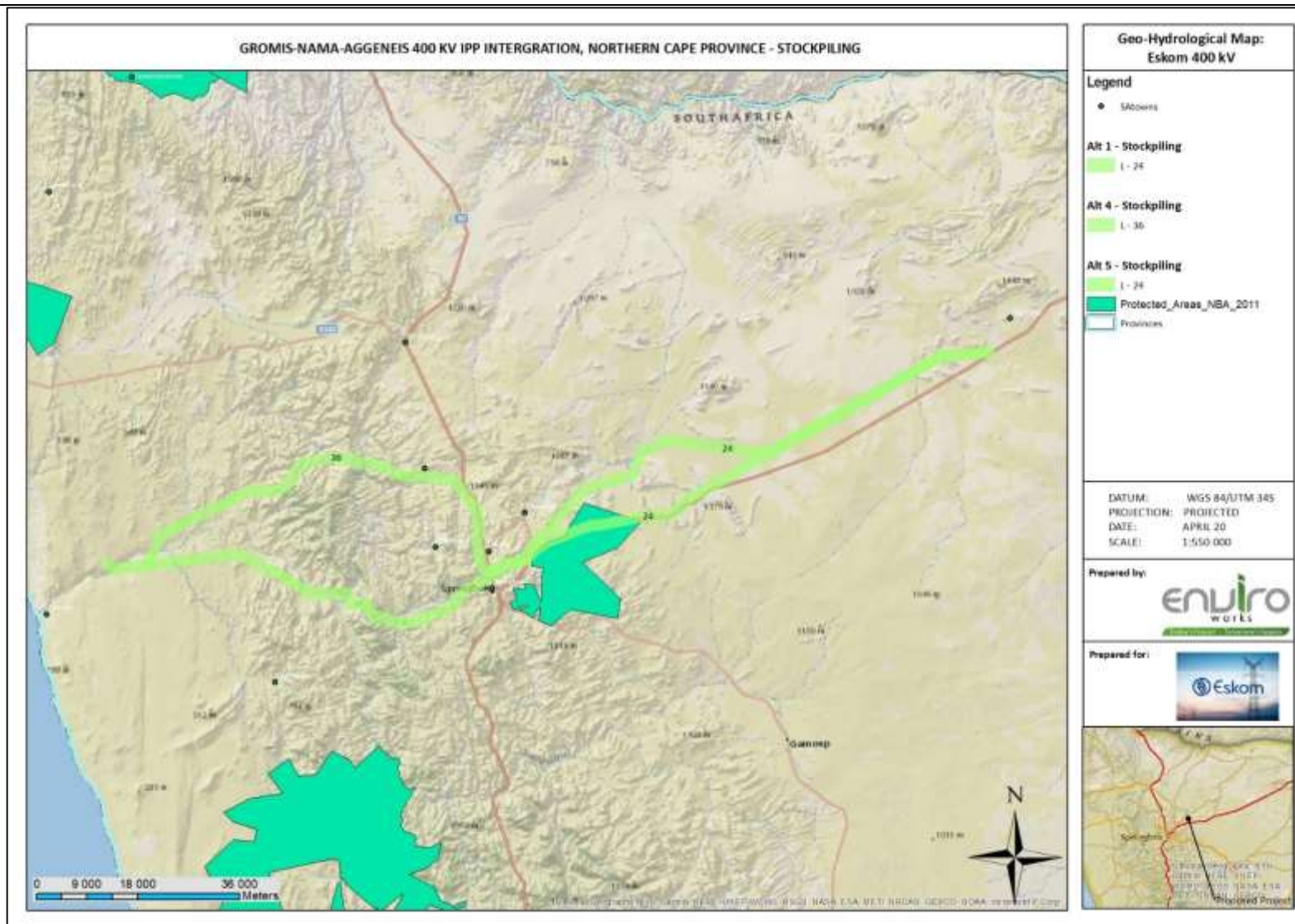
IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE



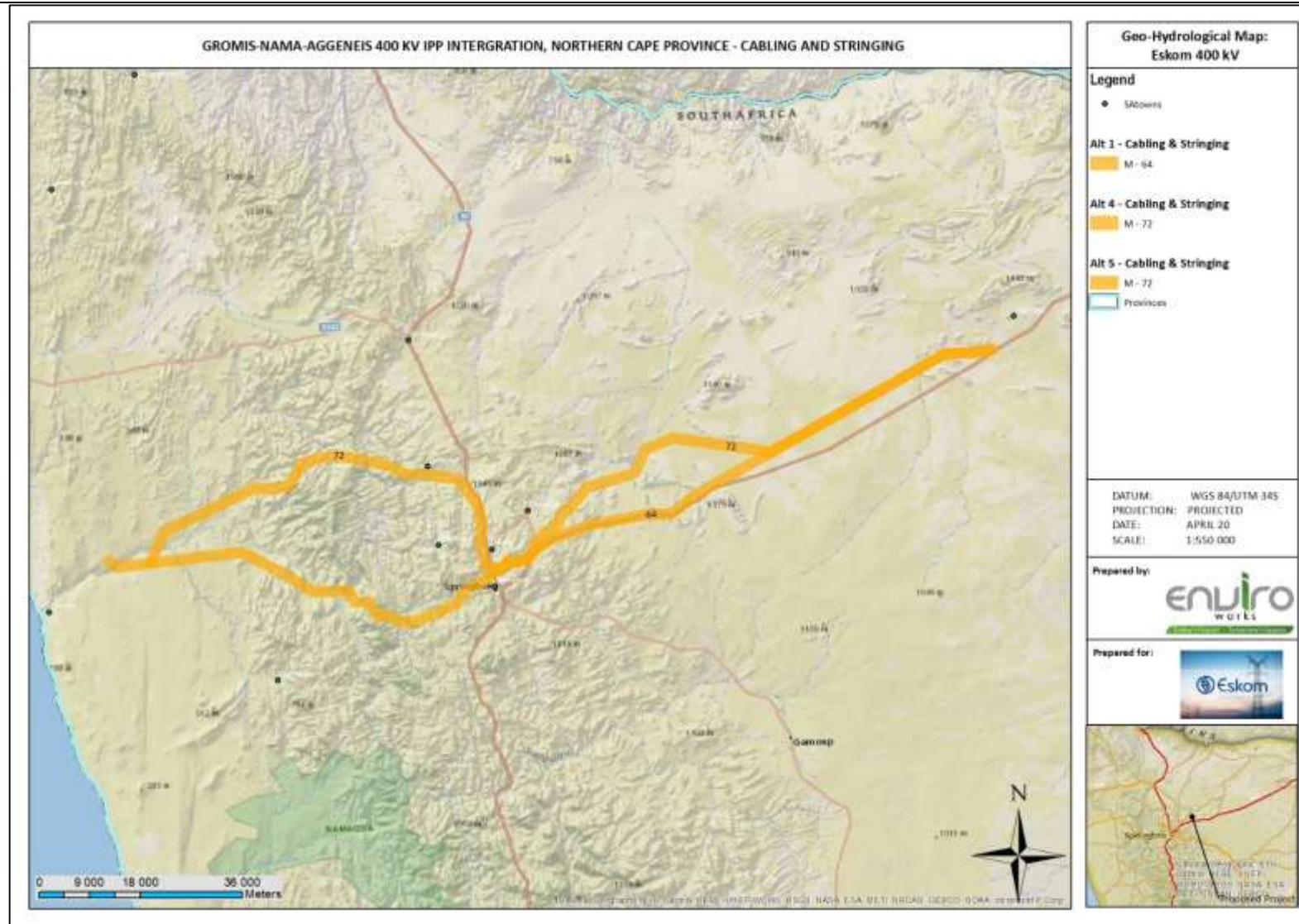
IMPACT RATING MAPS: GROMIS-NAMA-AGGENEIS 400KV IPP INTEGRATION POWER LINE



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEIS 400KV IPP INTEGRATION POWER LINE



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

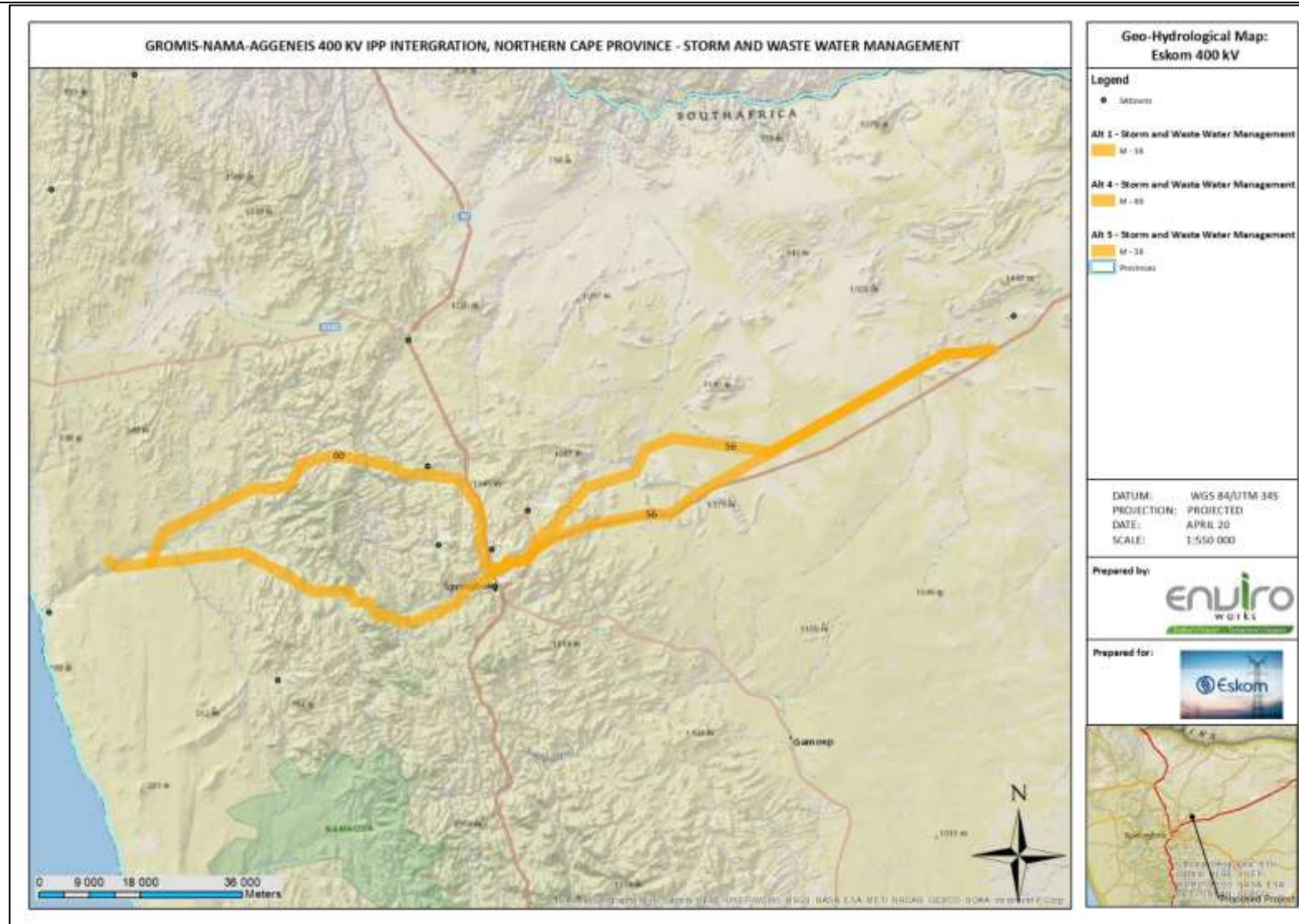


Figure 78 STORMWATER AND WASTE WATER MANAGEMENT, IMPACT RATING MAP



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEIS 400KV IPP INTEGRATION POWER LINE

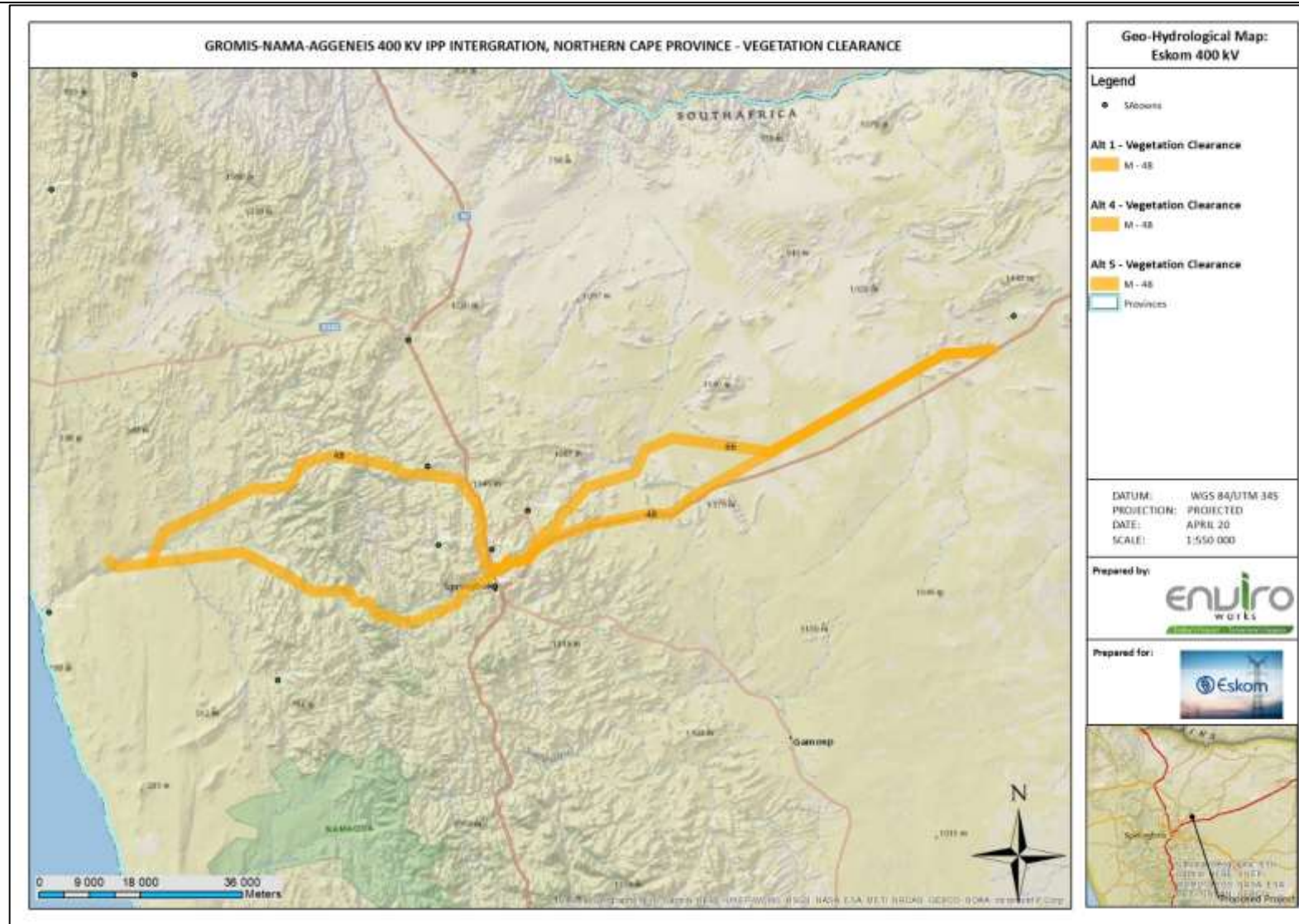


Figure 79 VEGETATION CLEARANCE, IMPACT RATING MAP

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

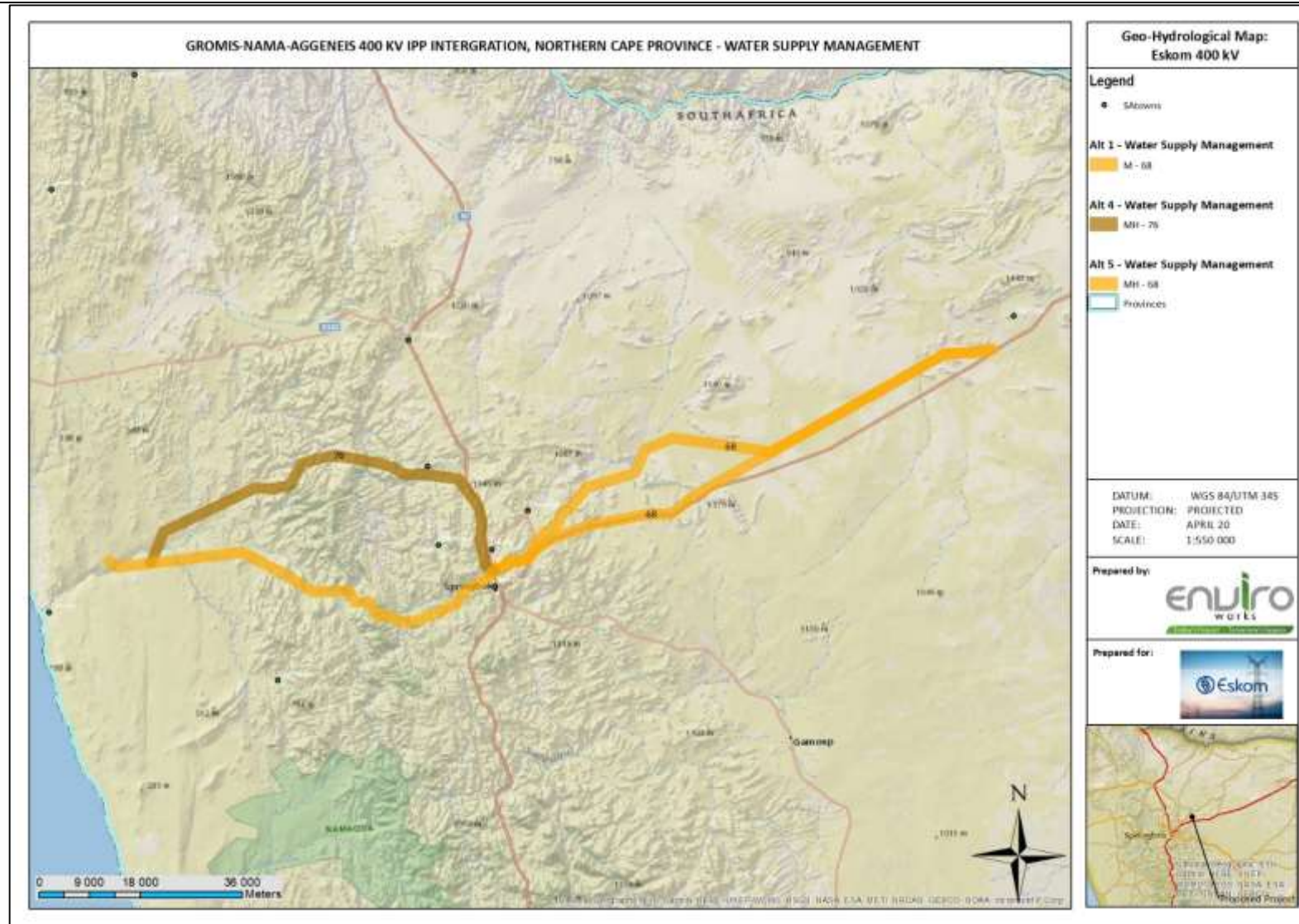


Figure 80 WATER SUPPLY MANAGEMENT, IMPACT RATING MAP

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

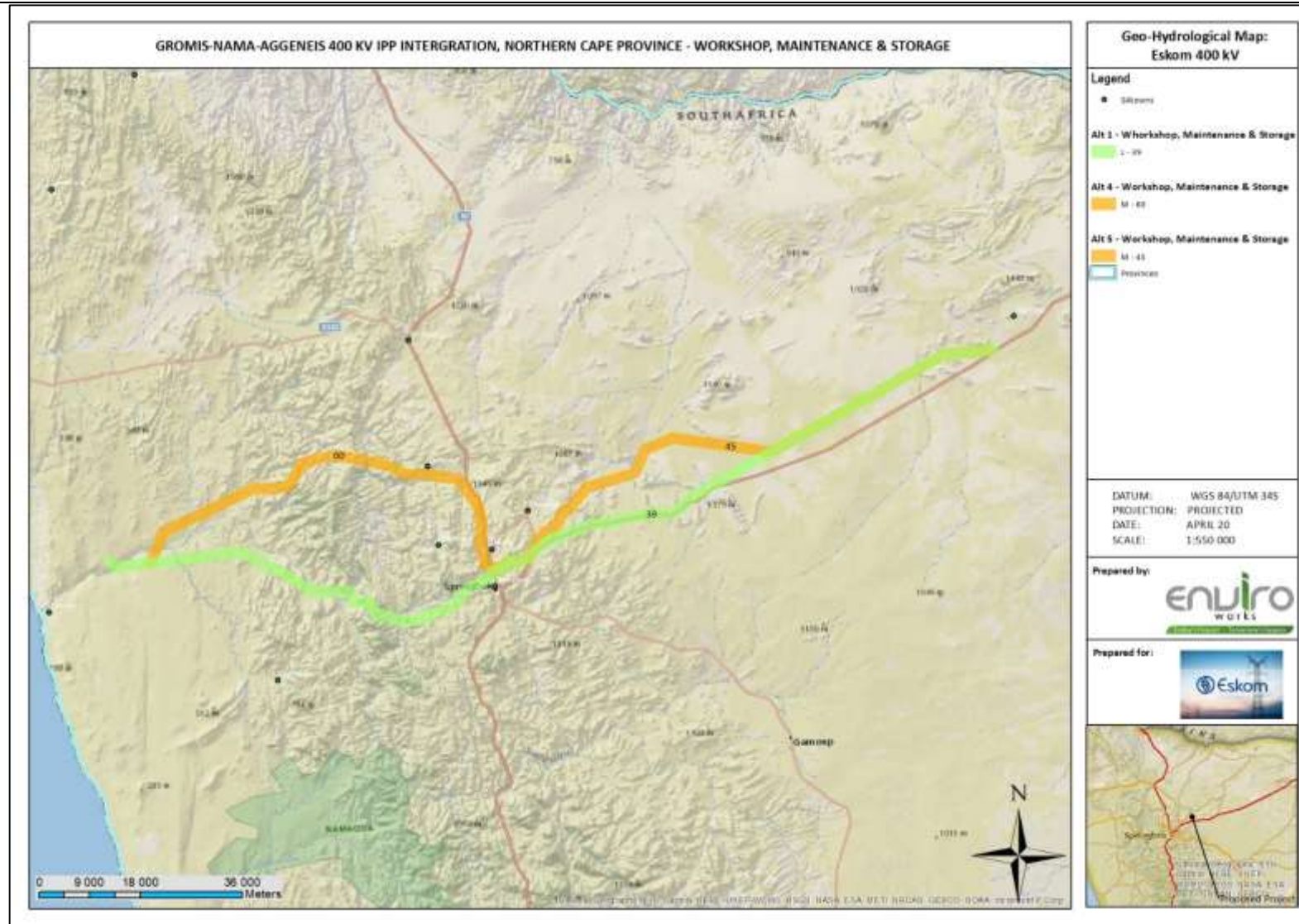


Figure 81 WORKSHOP, MAINTENANCE & STORAGE, IMPACT RATING MAP

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

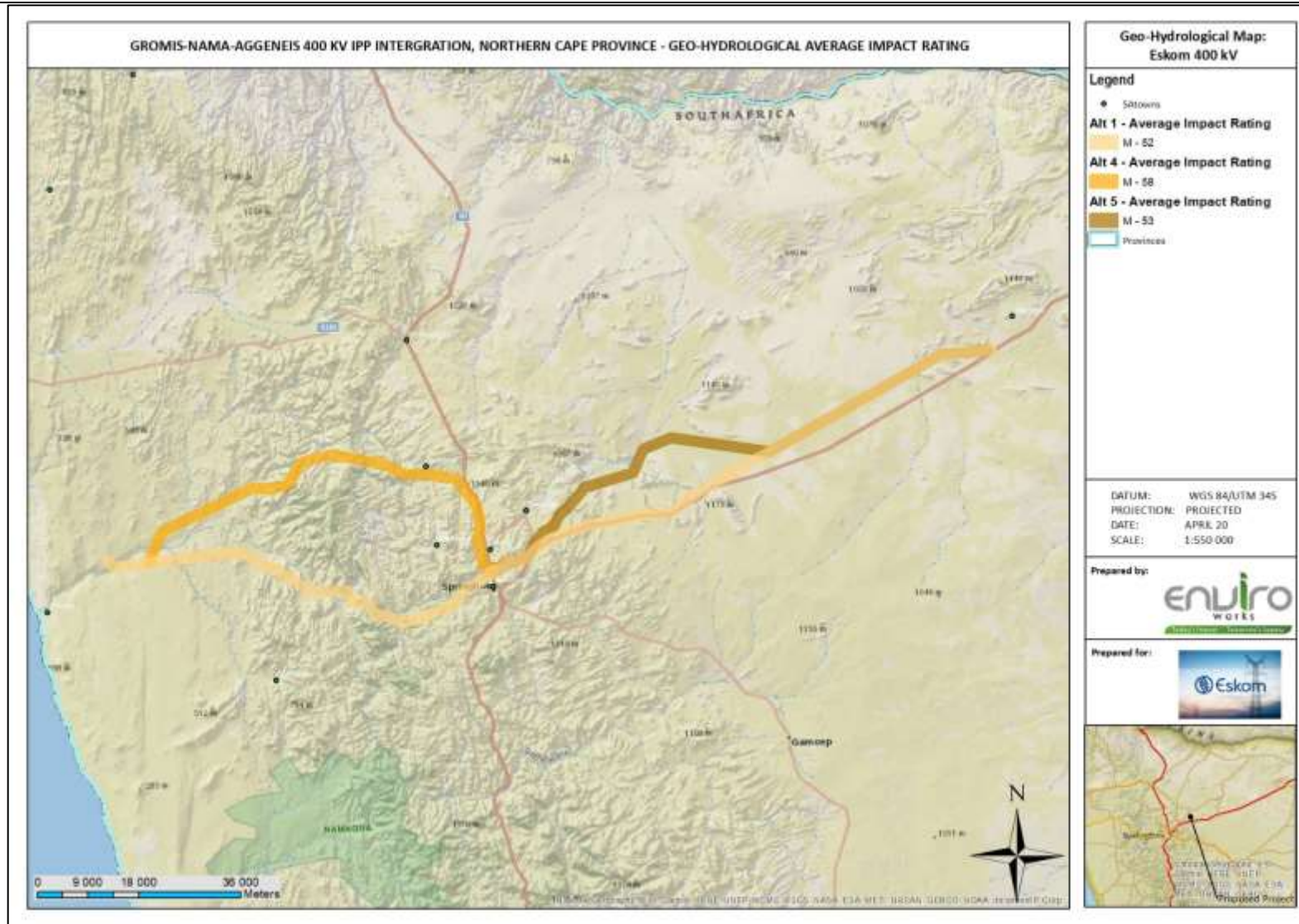
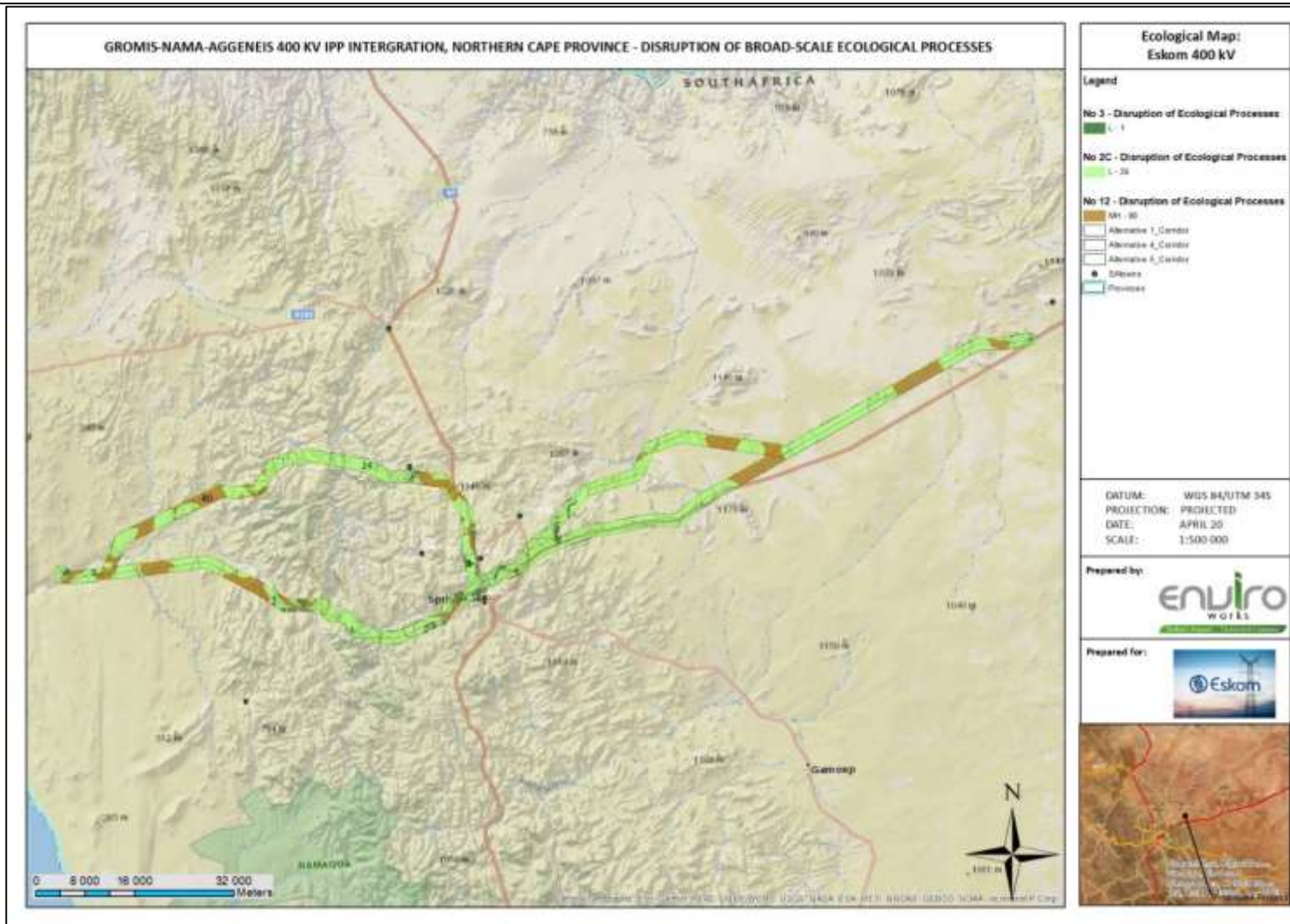


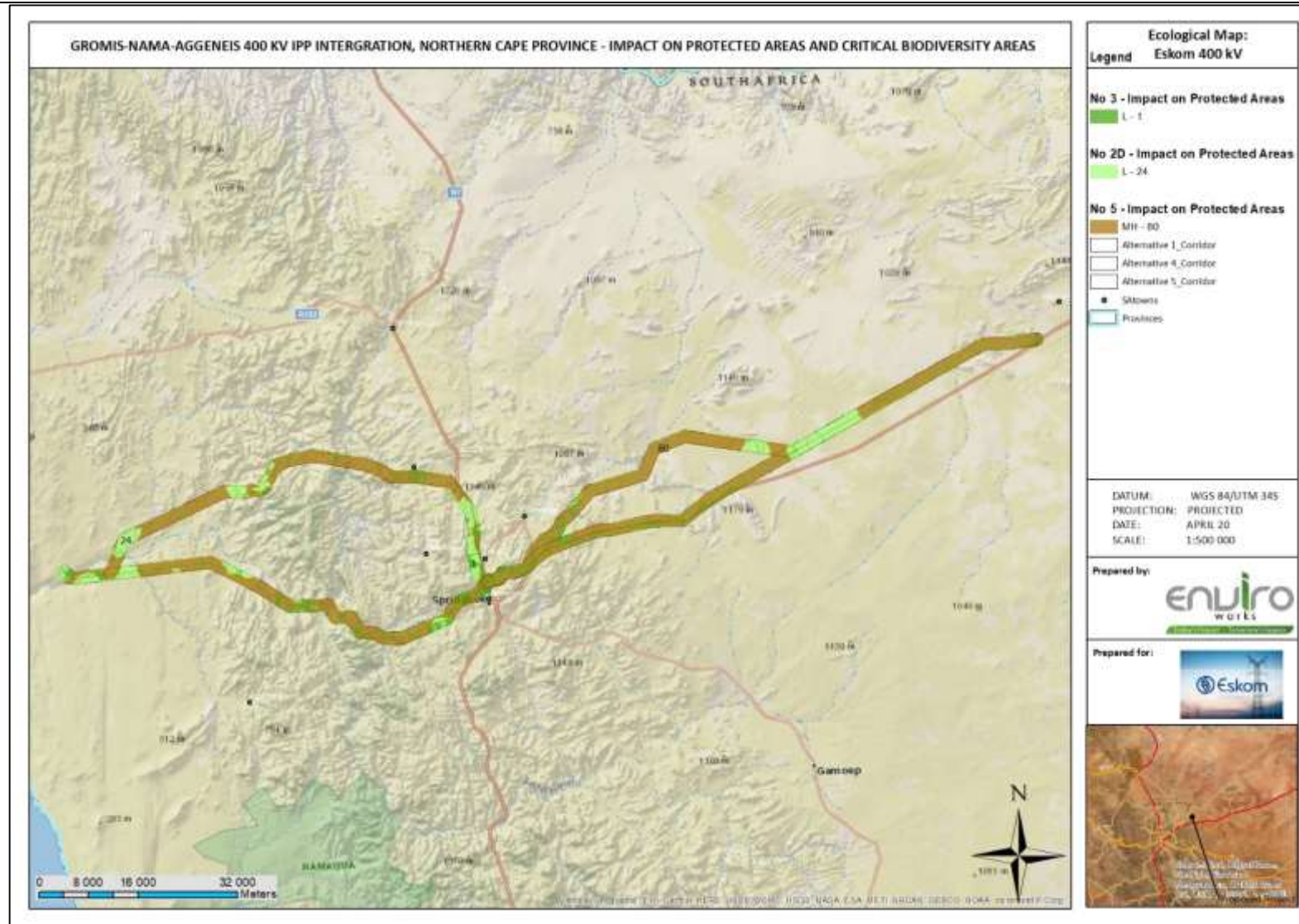
Figure 82 AVERAGE GEO-HYDROLOGICAL IMPACT RATING MAP

## 7. BOTANICAL AND FRESHWATER IMPACTS

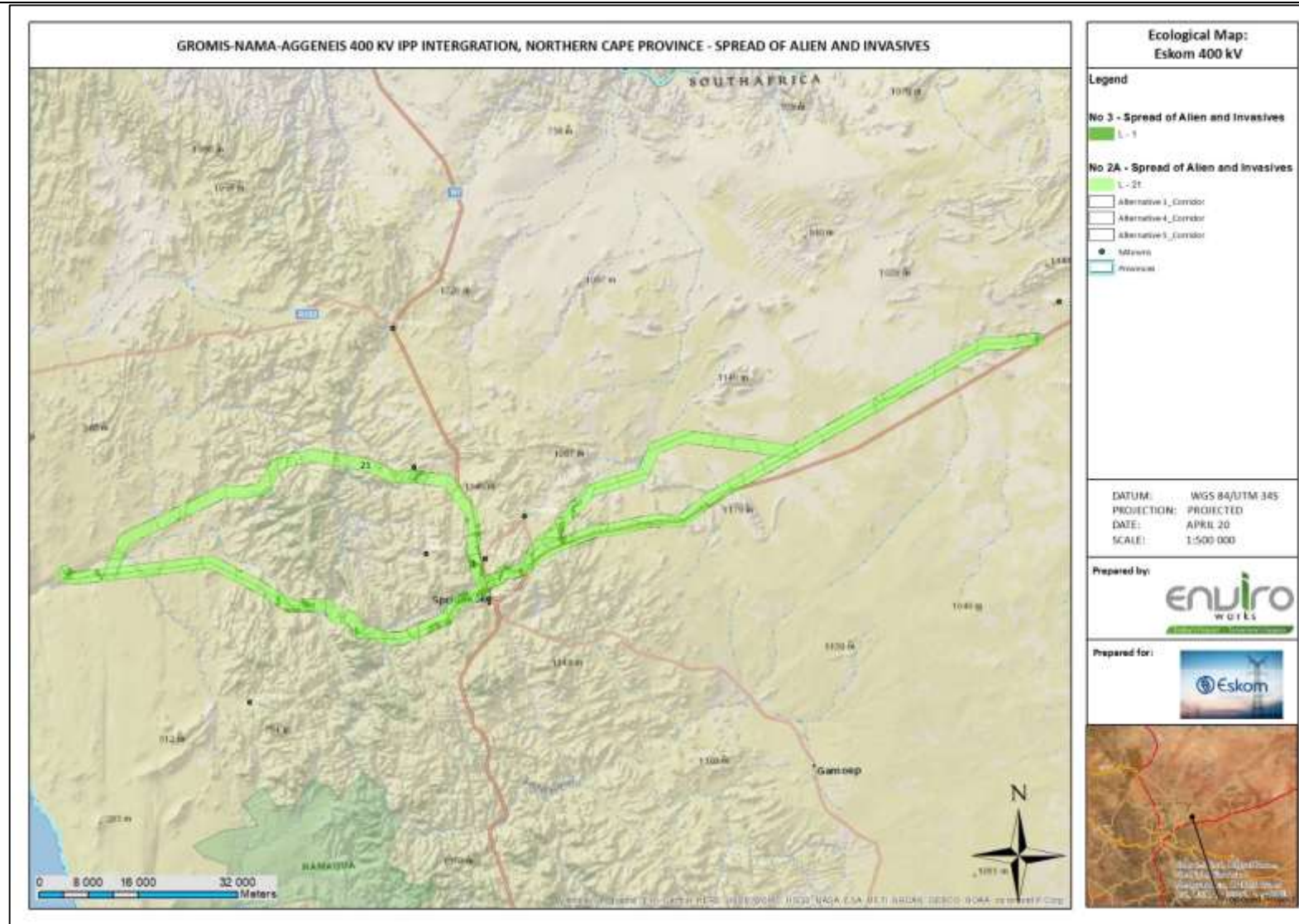
### a. Planning and construction phase



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEIS 400KV IPP INTEGRATION POWER LINE

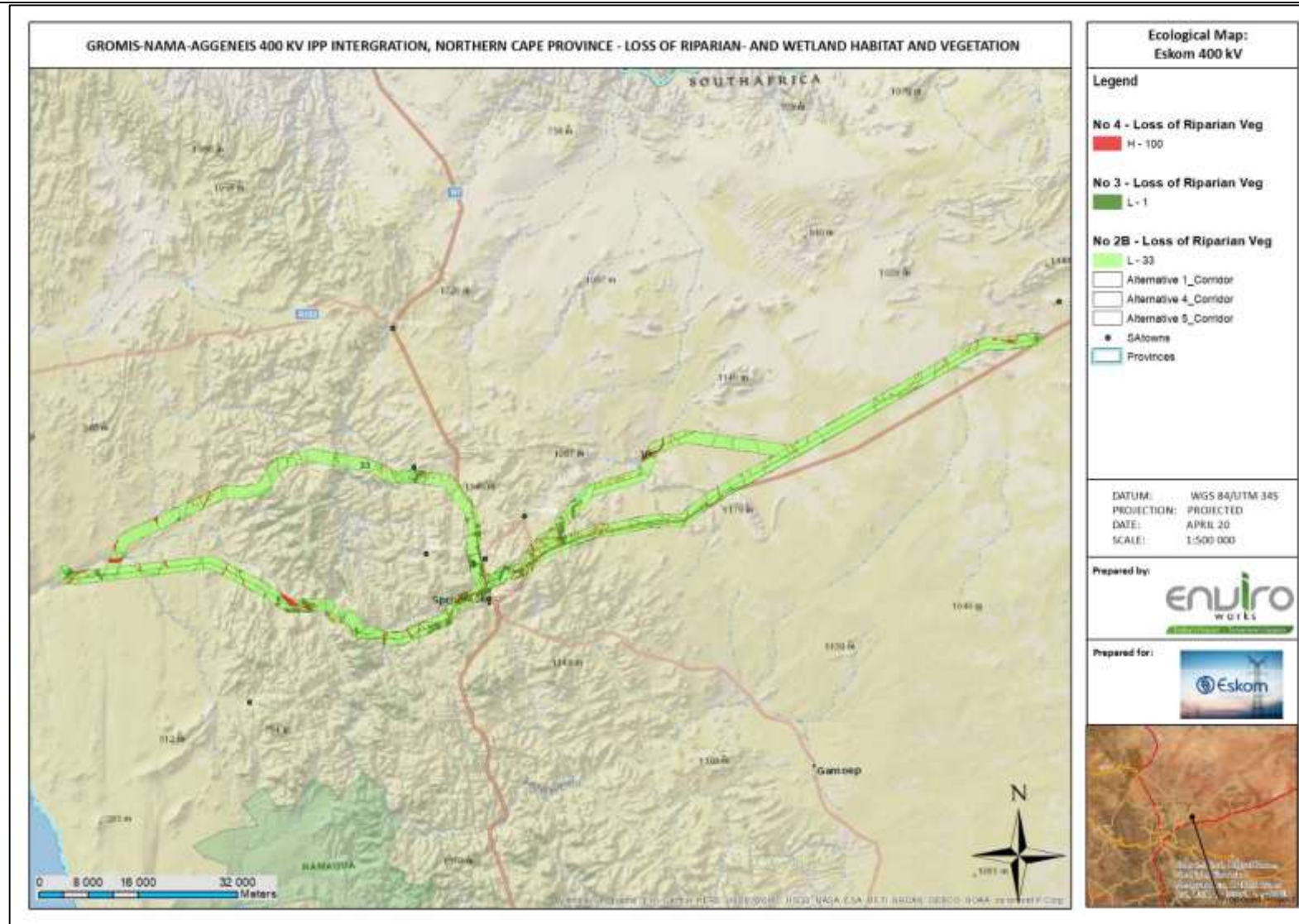
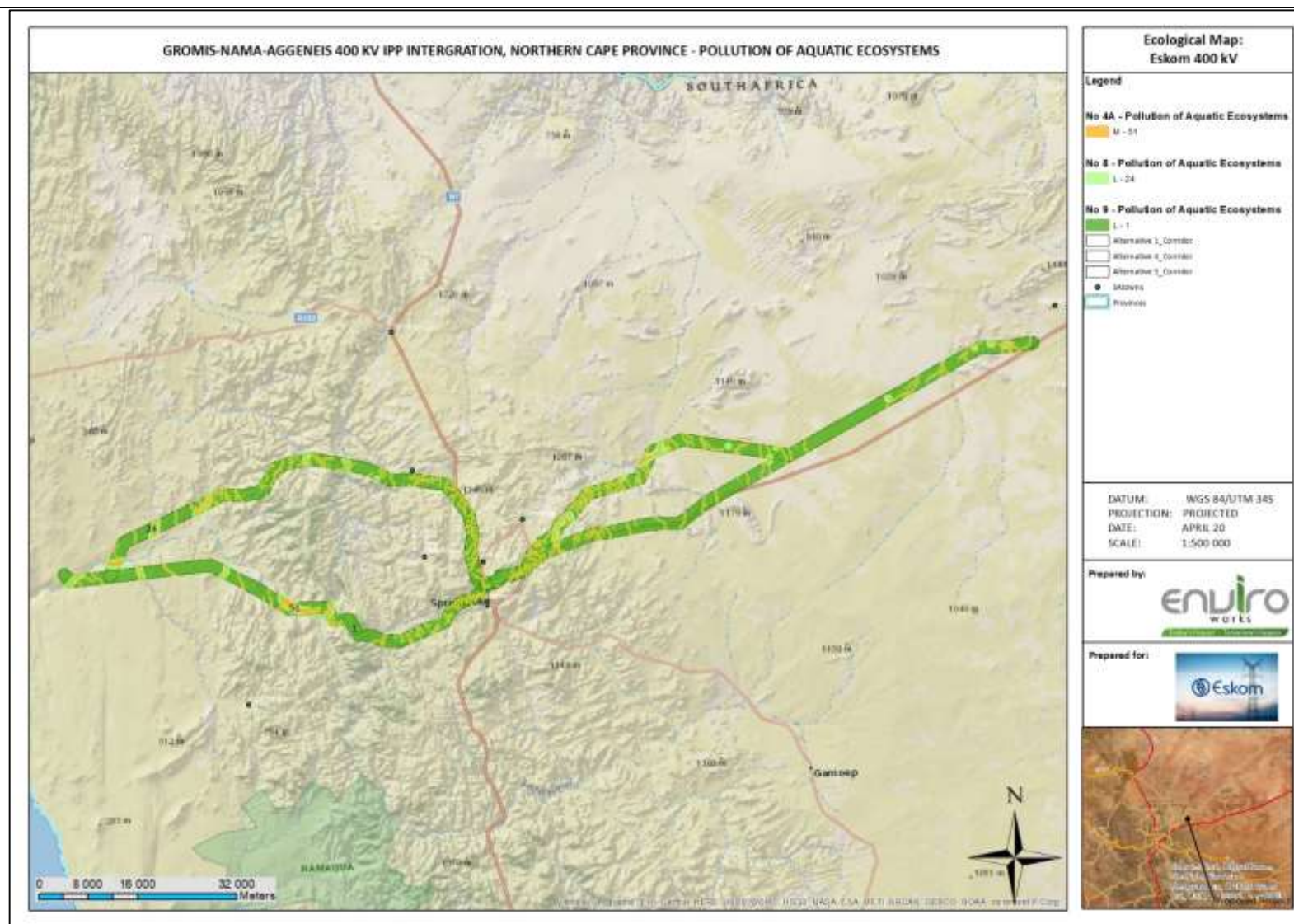


Figure 86 LOSS OF RIPARIAN- AND WETLAND HABITAT AND VEGETATION, IMPACT RATING MAP OF THE PLANNING AND CONSTRUCTION PHASE



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

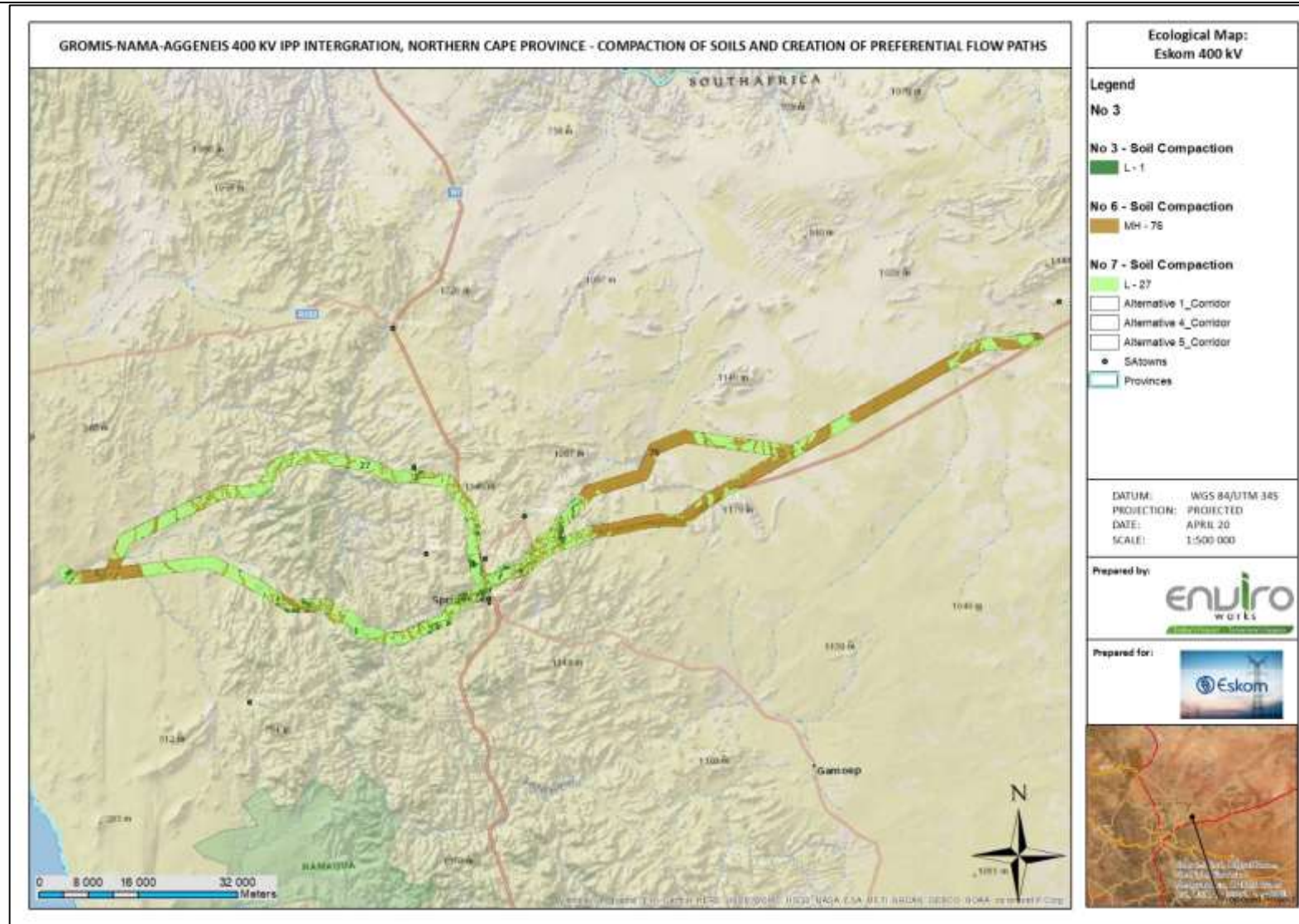


Figure 88 COMPACTION OF SOILS AND CREATION OF PREDERENTIAL FLOW PATHS, IMPACT RATING MAP OF THE PLANNING AND CONSTRUCTION PHASE

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

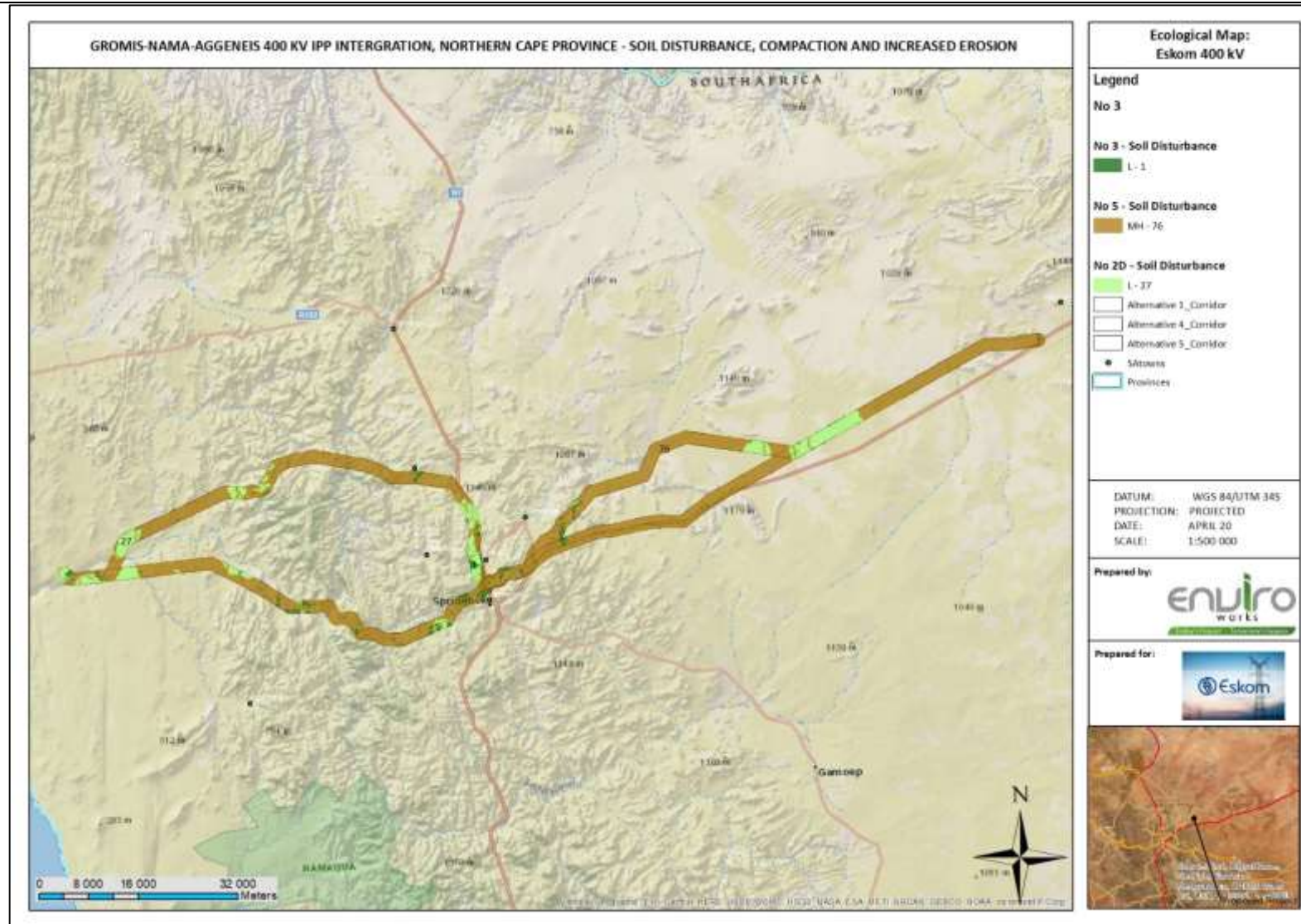
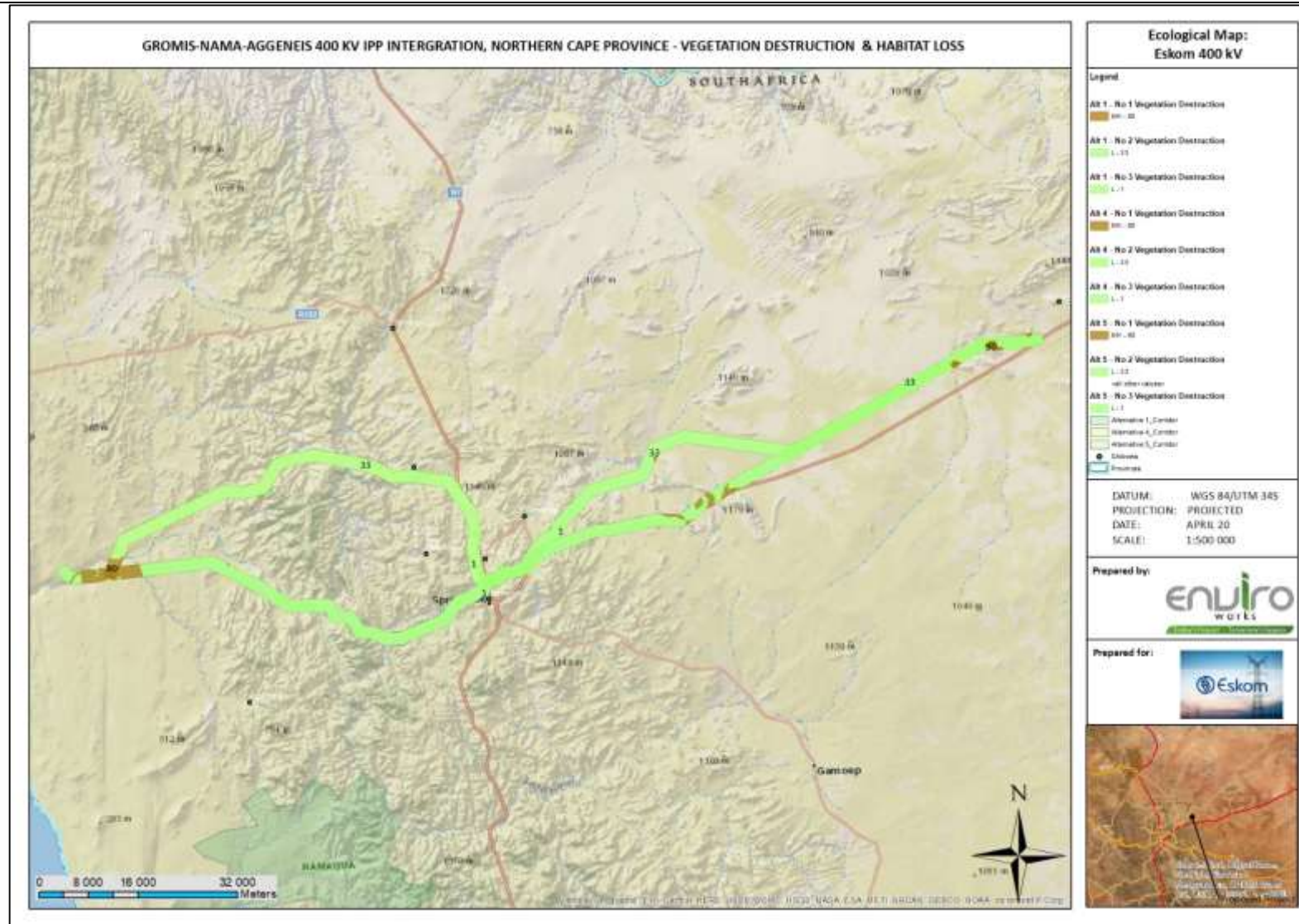
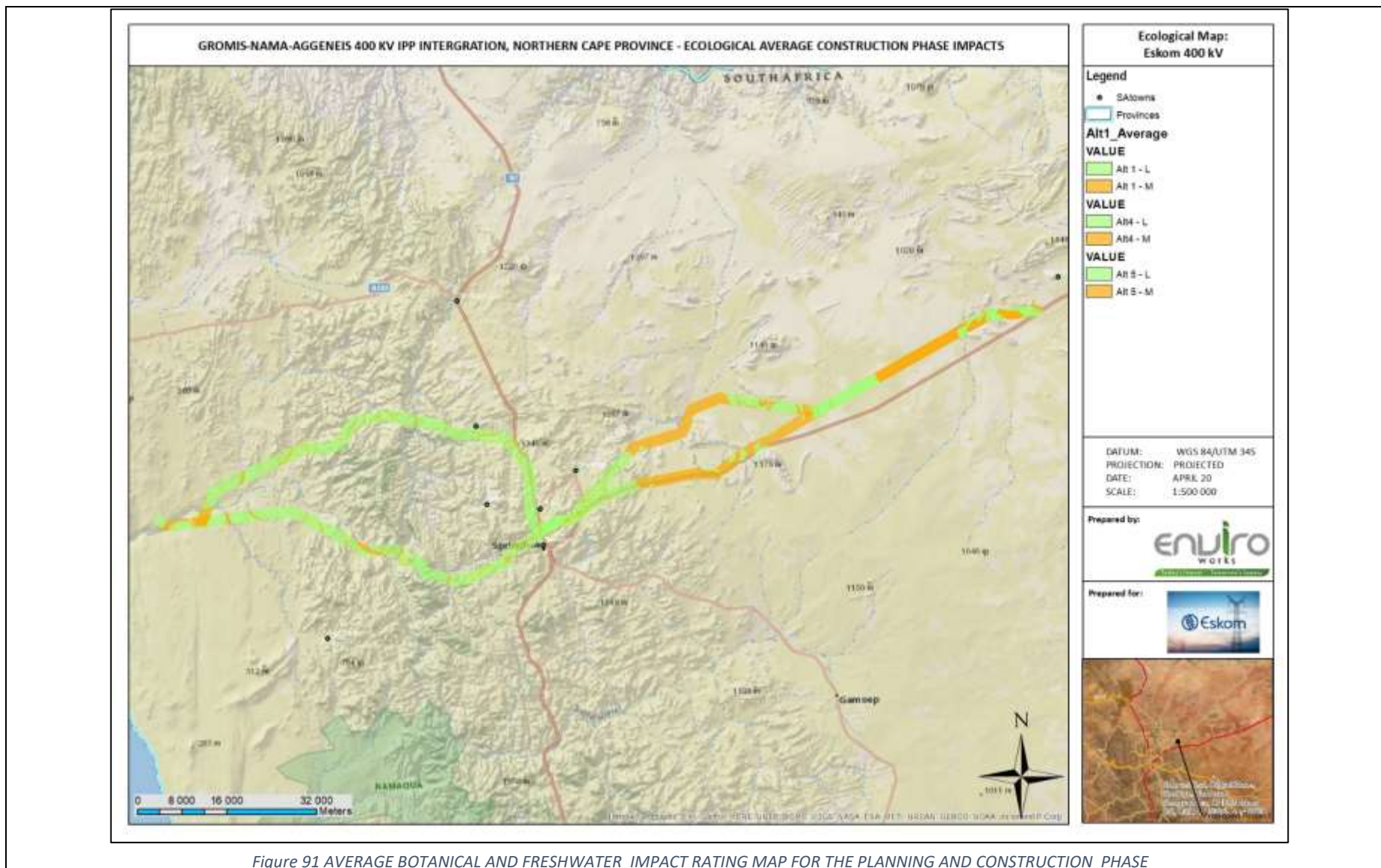


Figure 89 SOIL DISTURBANCE, COMPACTION AND INCREASED EROSION, IMPACT RATING MAP OF THE PLANNING AND CONSTRUCTION PHASE

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

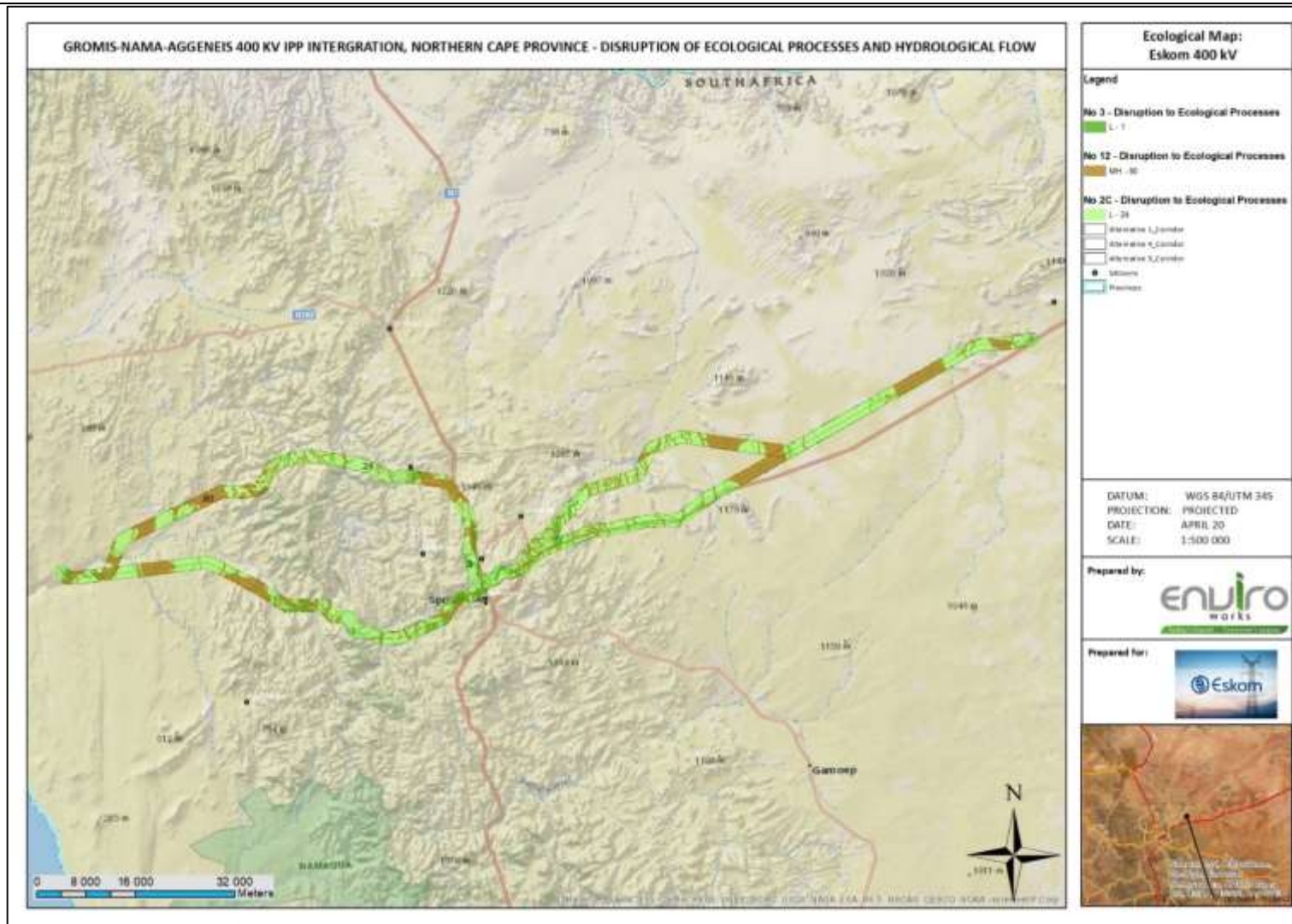


IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

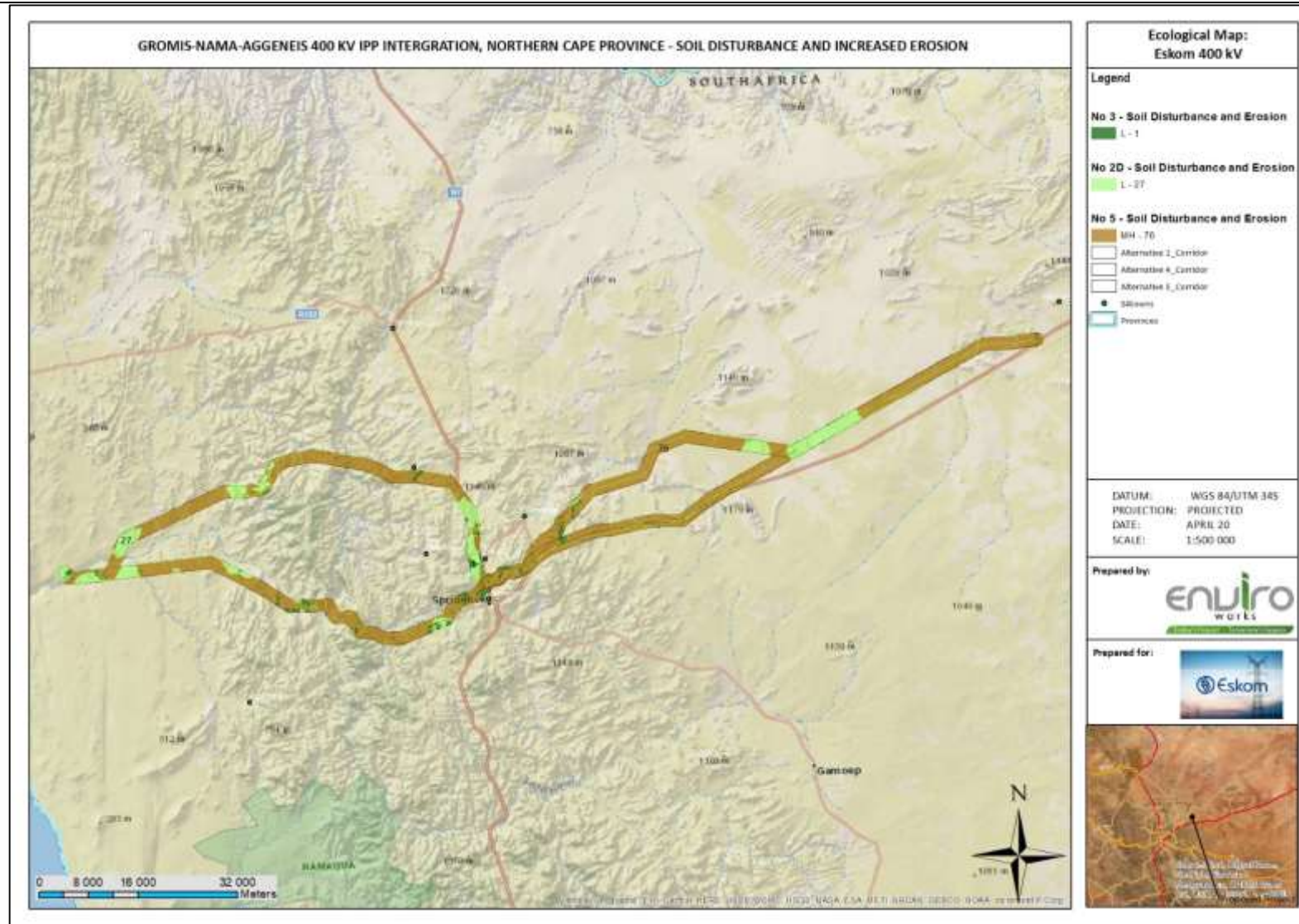


IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

b. Operational phase



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEIS 400KV IPP INTEGRATION POWER LINE



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

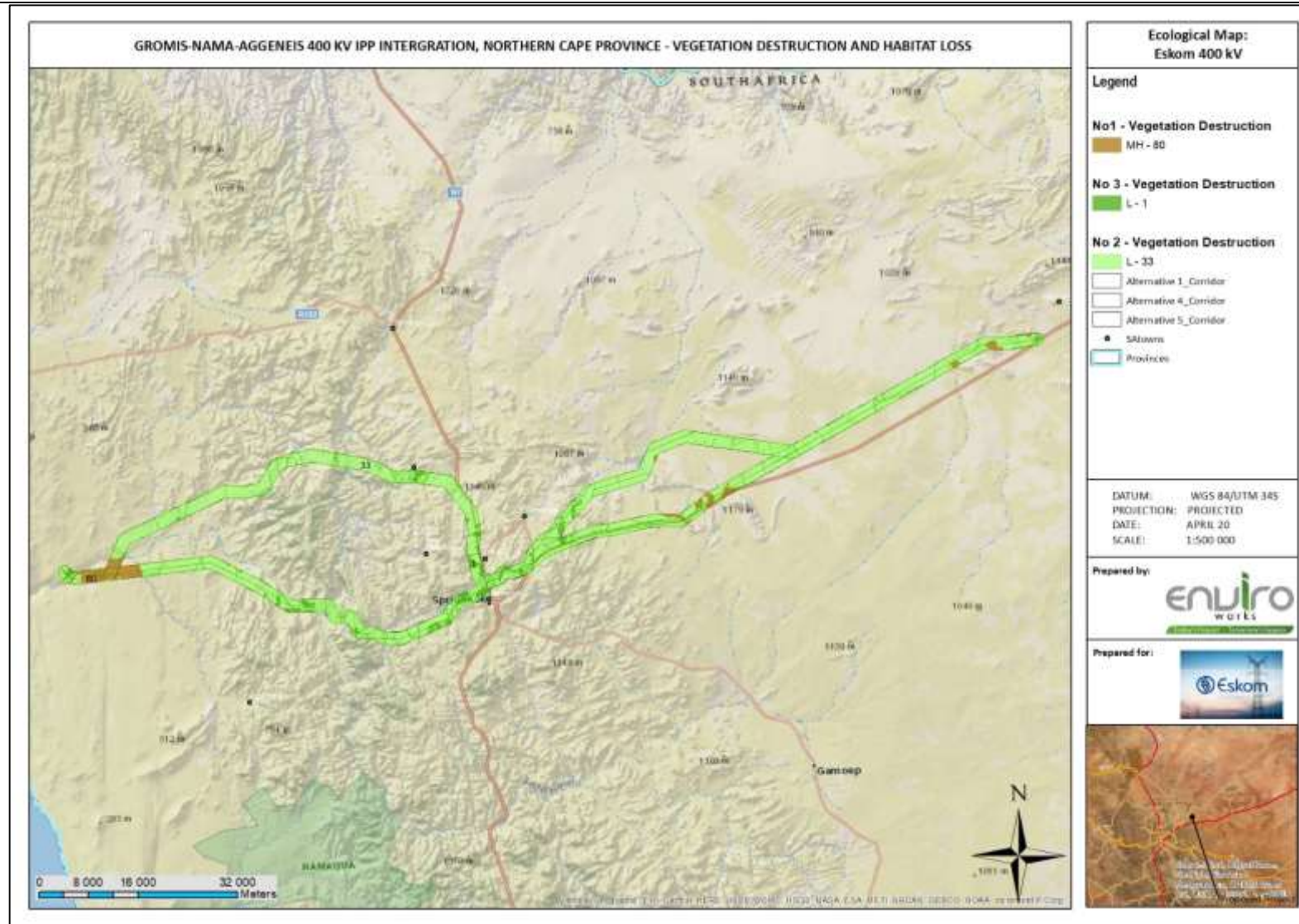
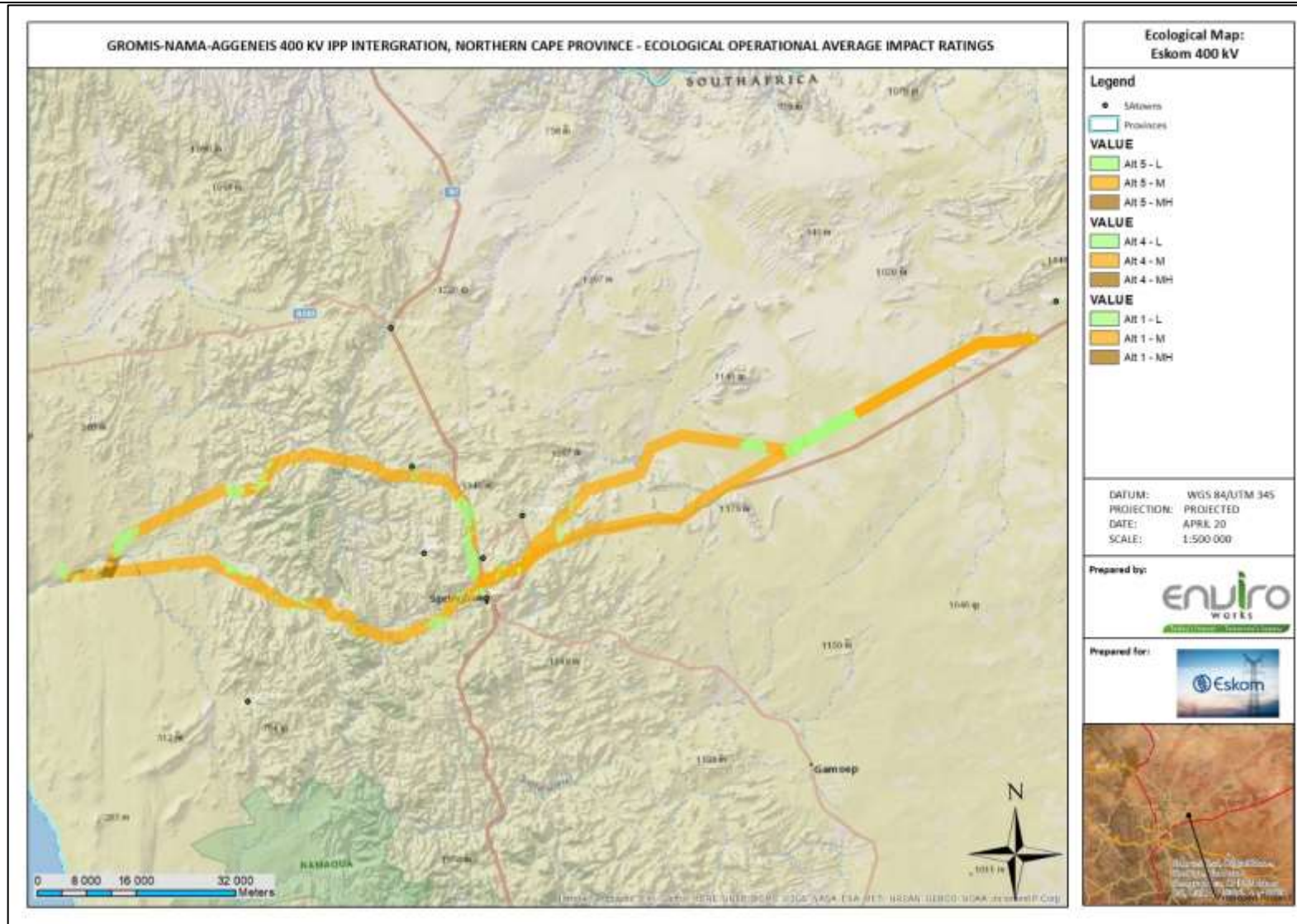


Figure 94 VEGETATION DESTRUCTION AND HABITAT LOSS, IMPACT RATING MAP OF THE OPERATIONAL PHASE



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

c. Decommissioning phase

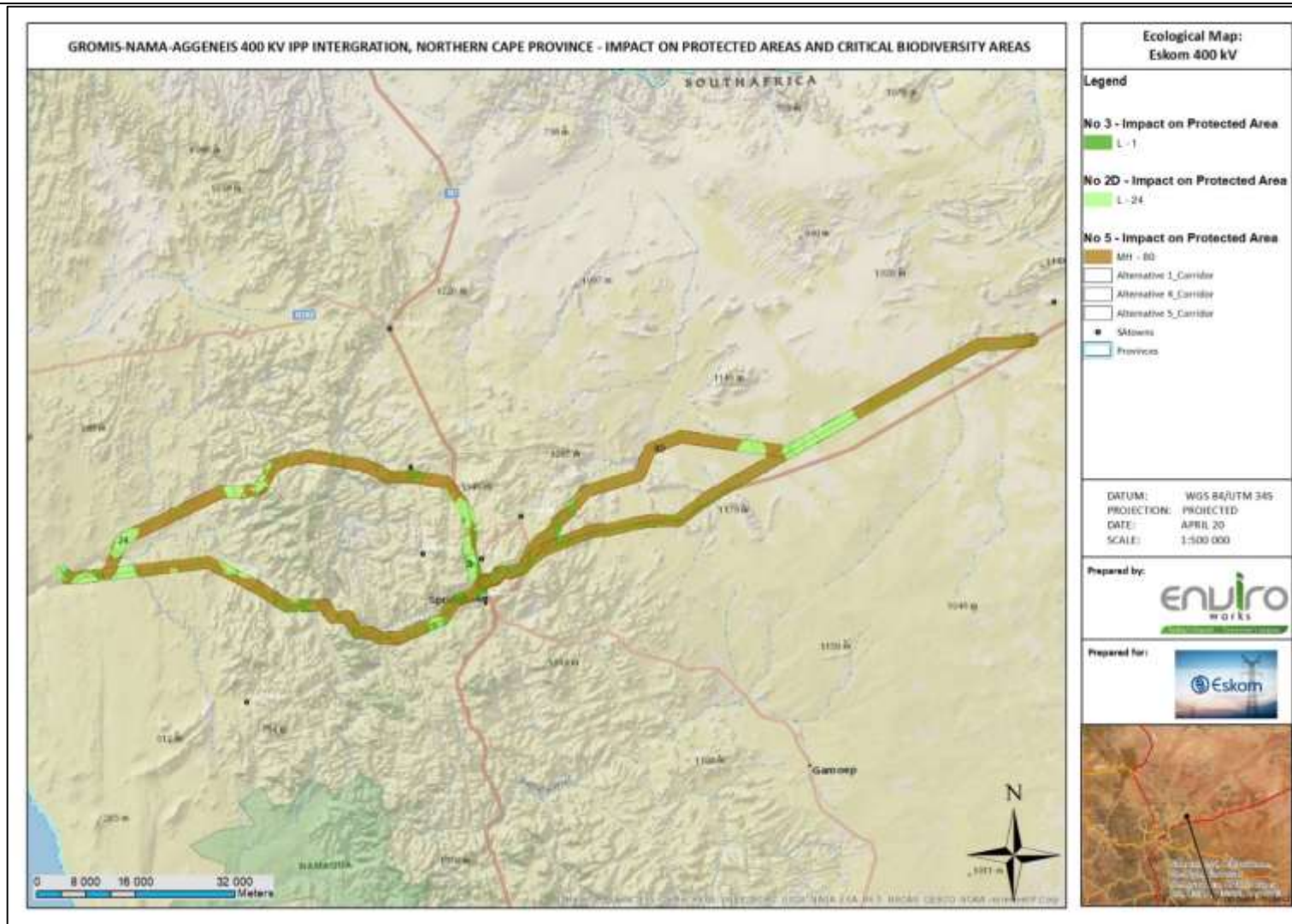


Figure 96 IMPACT ON PROTECTED- AND CRITICAL BIODIVERSITY AREAS, IMPACT RATING MAP OF THE DECOMMISSIONING PHASE

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

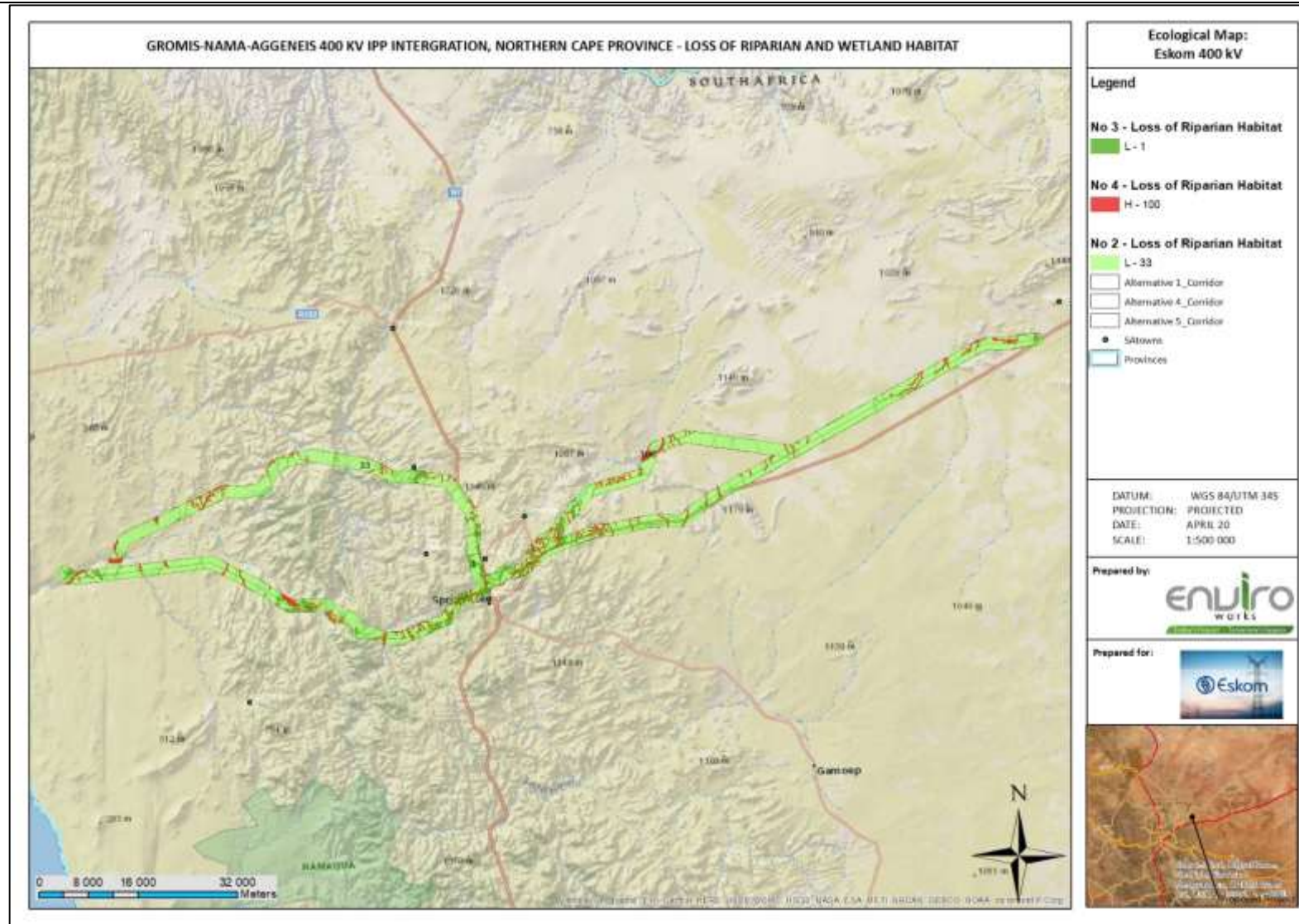


Figure 97 LOSS OF RIPARIAN- AND WETLAND HABITAT, IMPACT RATING MAP OF THE DECOMMISSIONING PHASE

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEIS 400KV IPP INTEGRATION POWER LINE

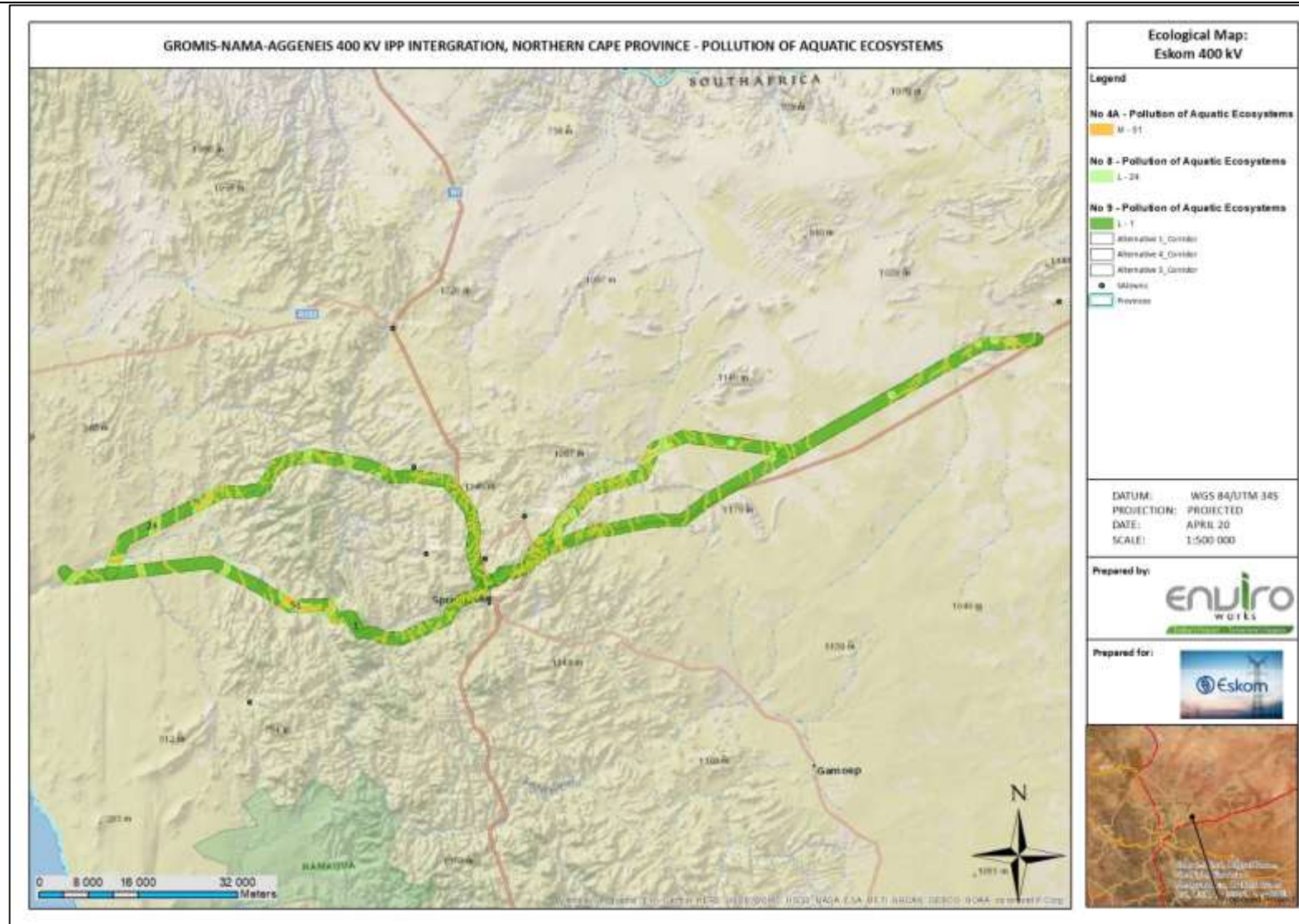


Figure 98 POLLUTION OF AQUATIC ECOSYSTEM, IMPACT RATING MAP OF THE DECOMMISSIONING PHASE

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

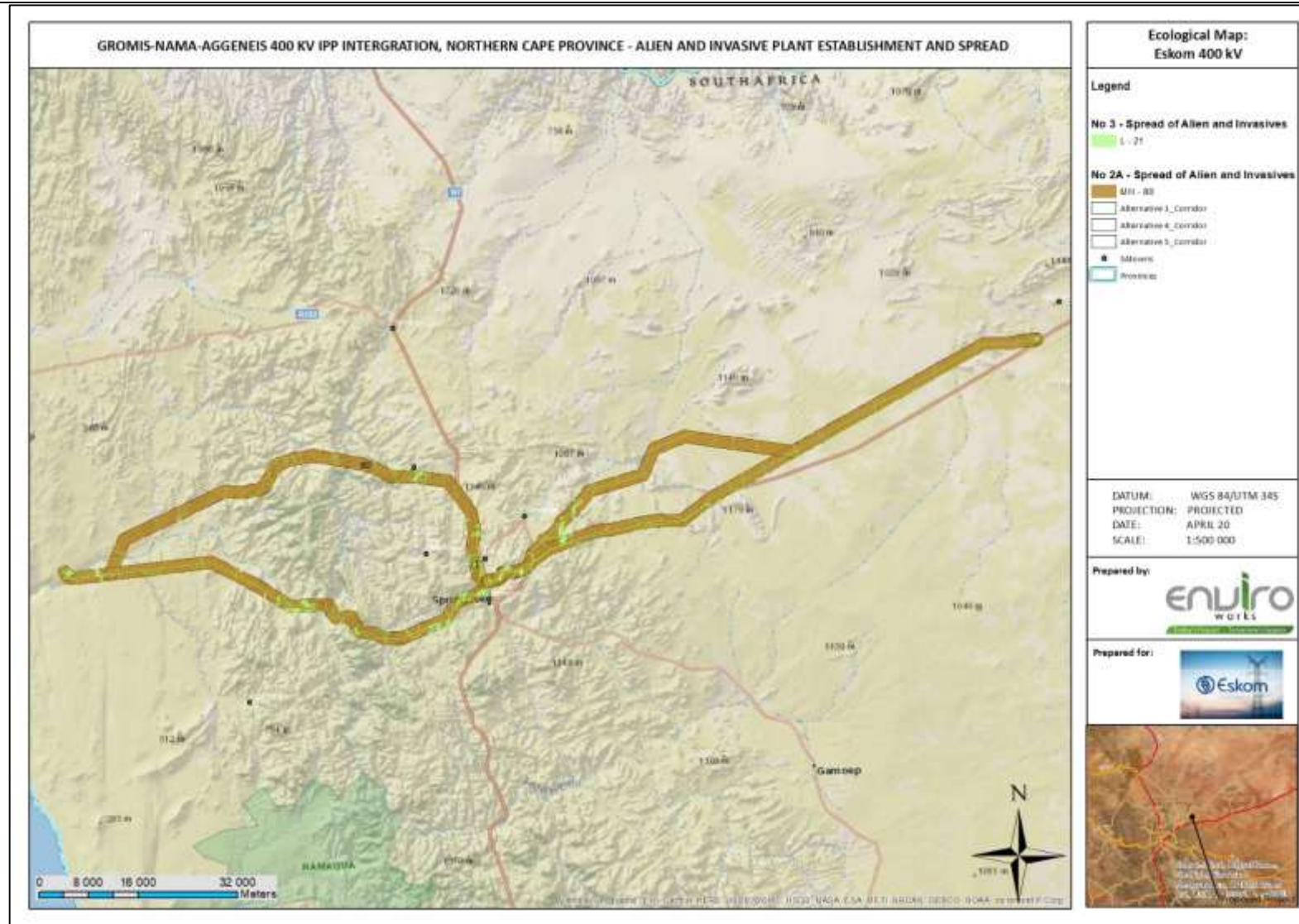


Figure 99 ALIEN INVASIE PLANT ESTABLISHMENT AND SPREAD, IMPACT RATING MAP OF THE DECOMMISSIONING PHASE

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

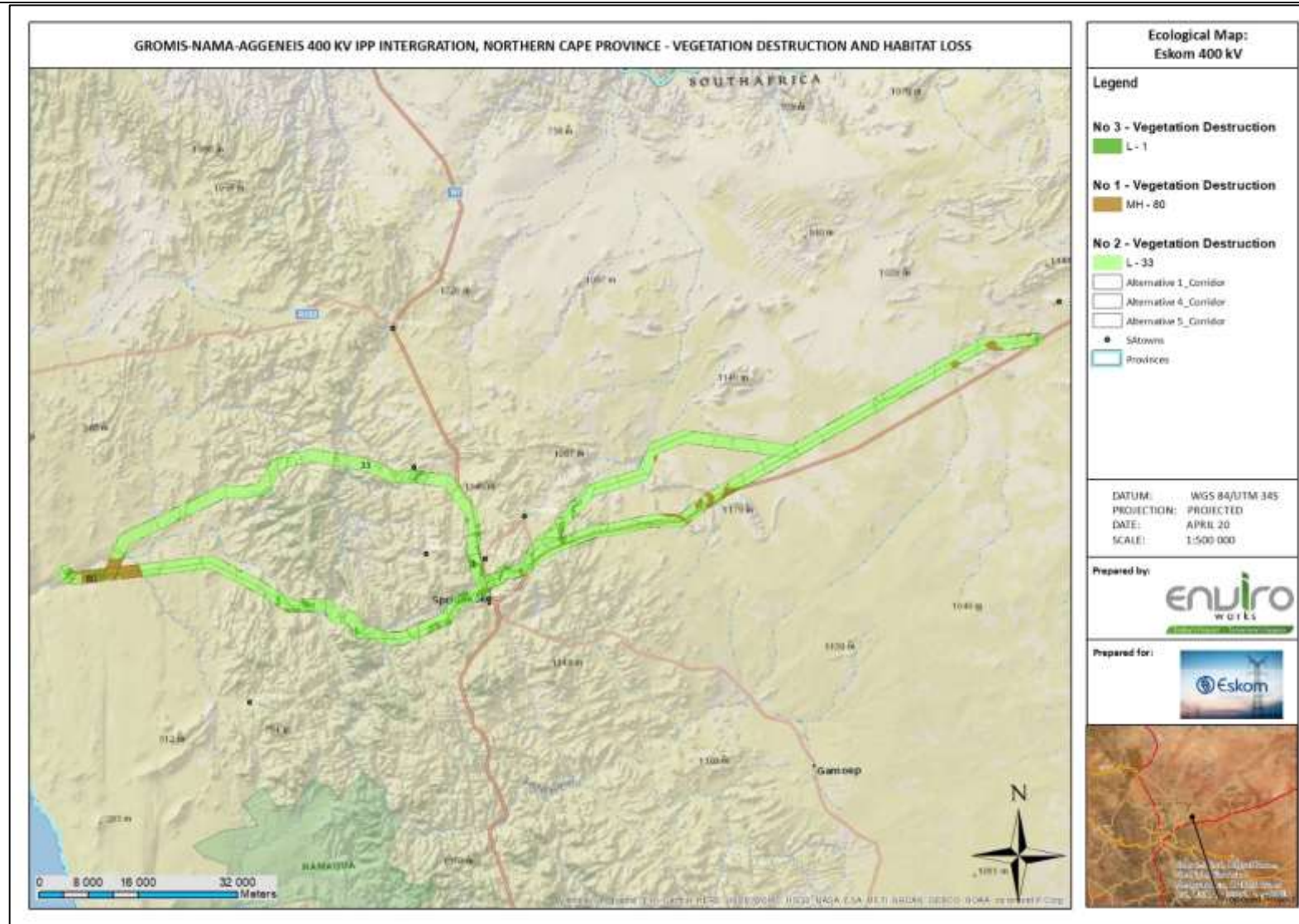
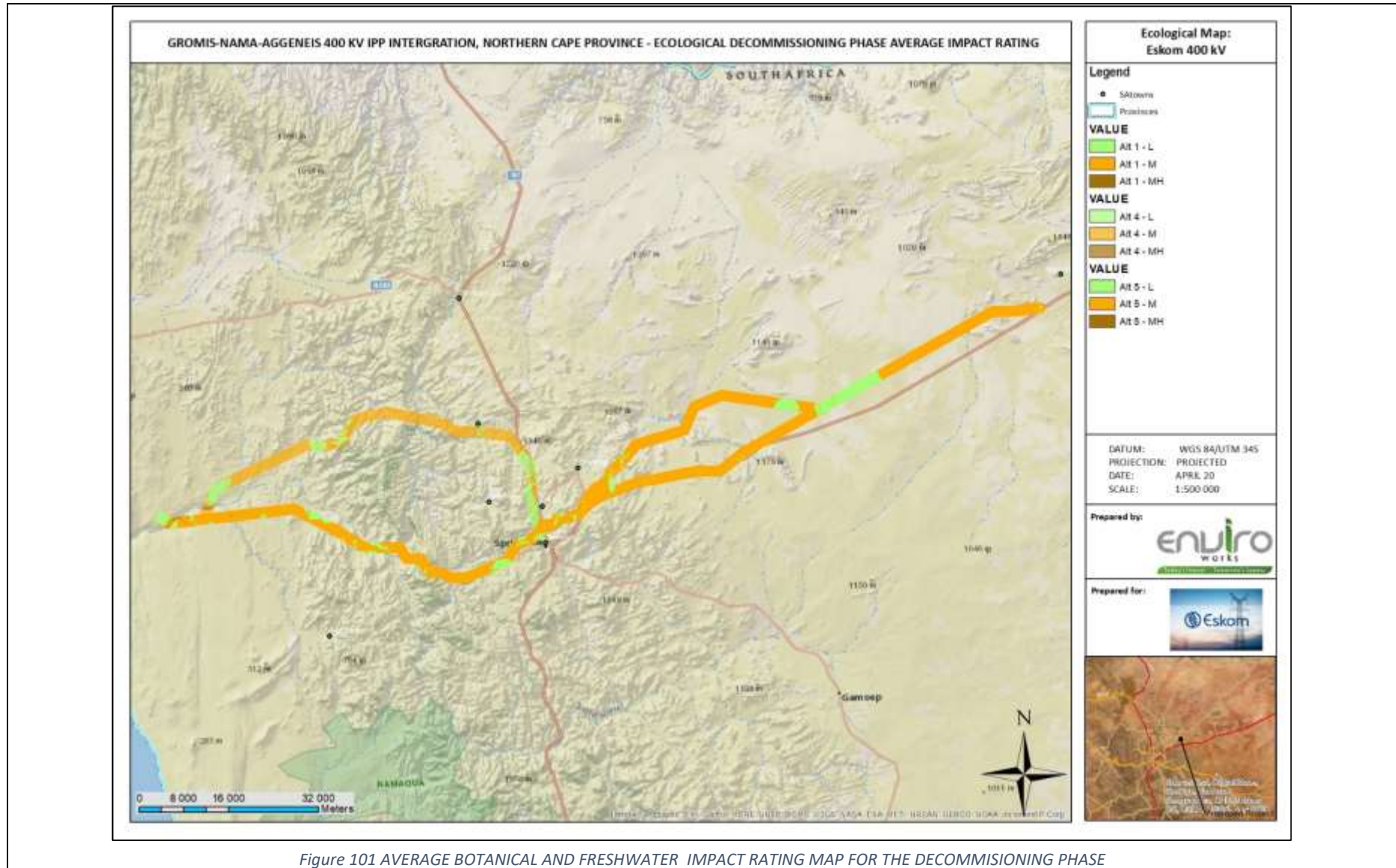
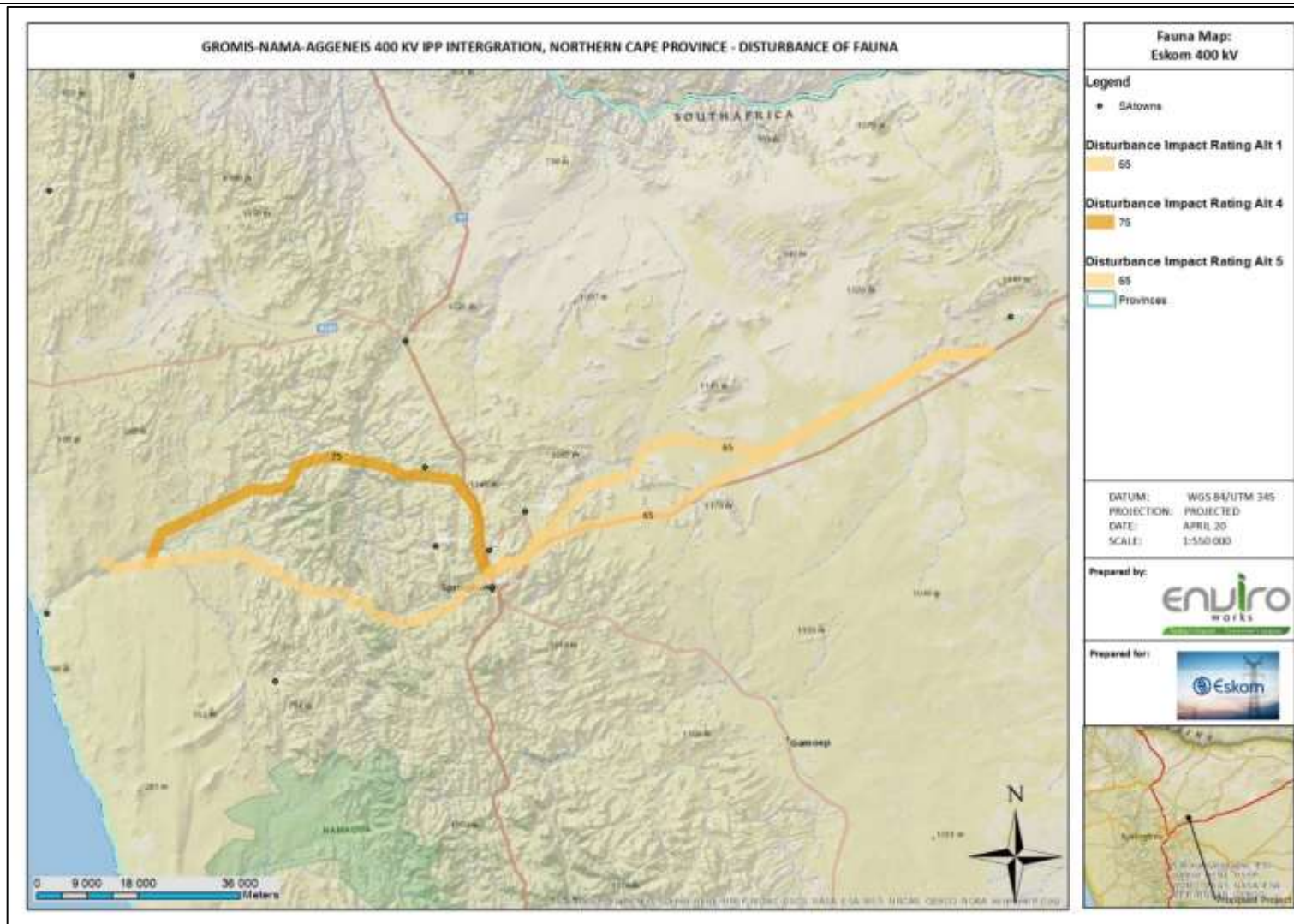


Figure 100 VEGETATION DESTRUCTION AND HABITAT LOSS, IMPACT RATING MAP OF THE DECOMMISSIONING PHASE

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE



8. FAUNAL IMPACTS





IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE

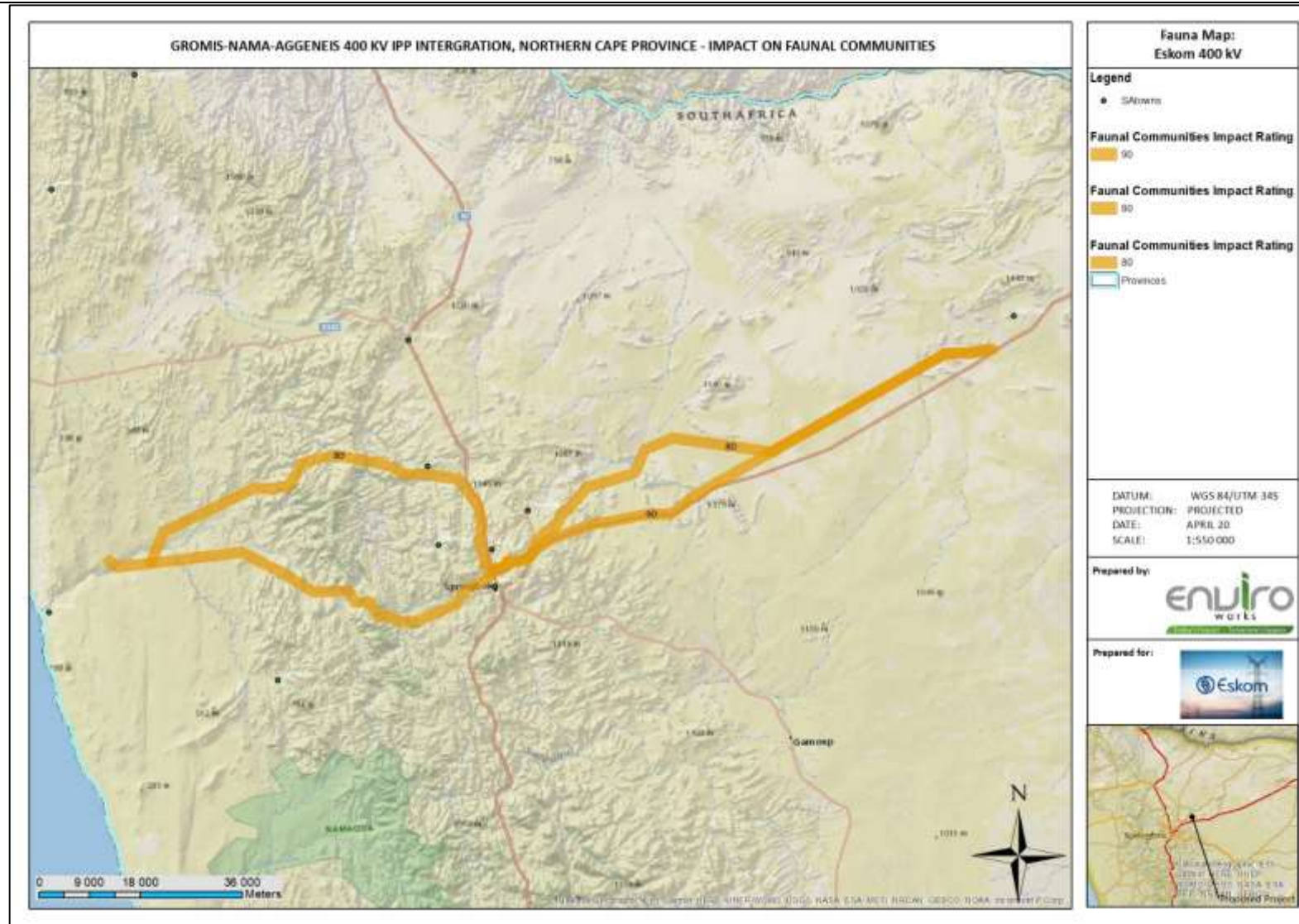
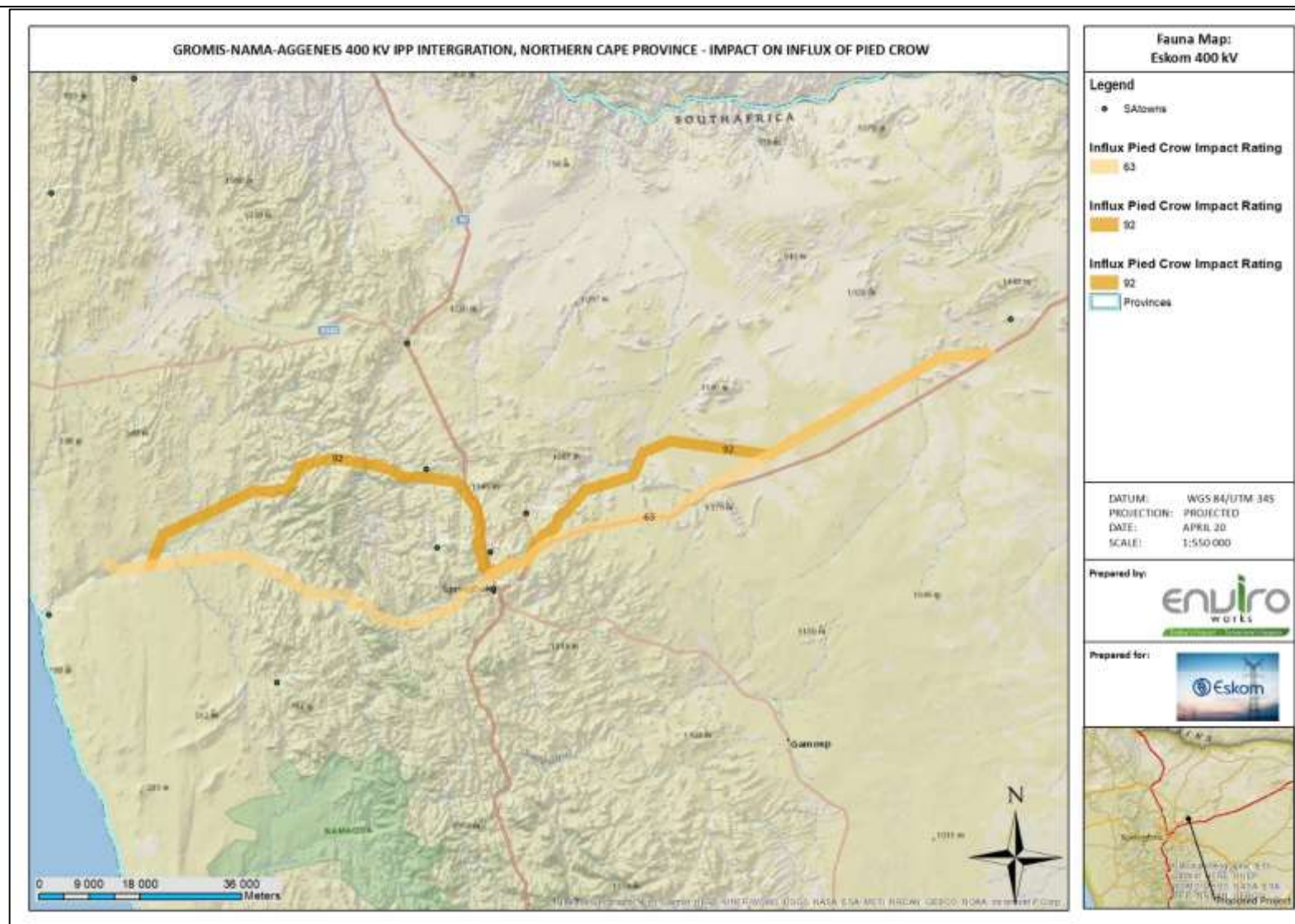
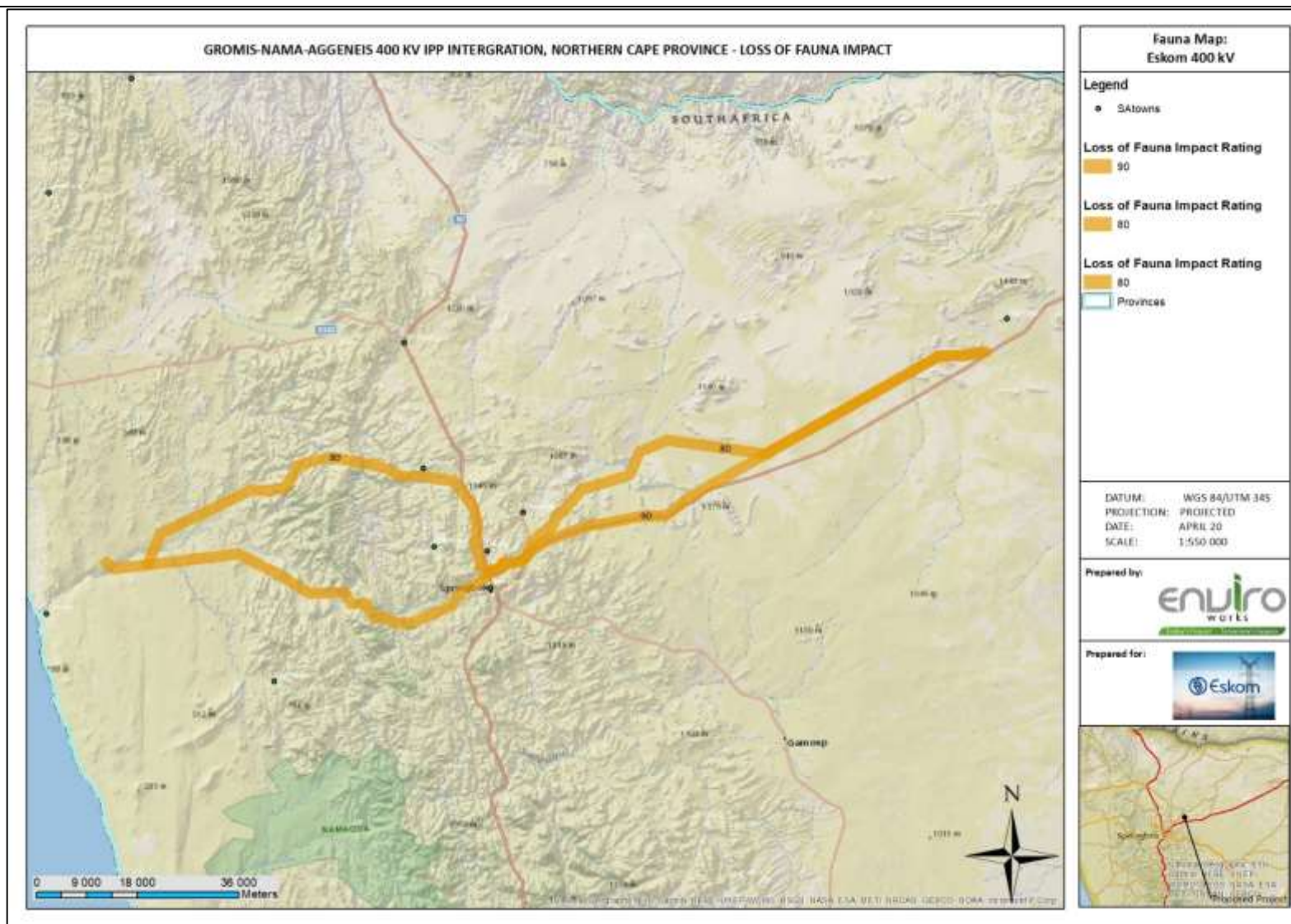


Figure 103 IMPACT ON FAUNAL COMMUNITIES, IMPACT RATING MAP

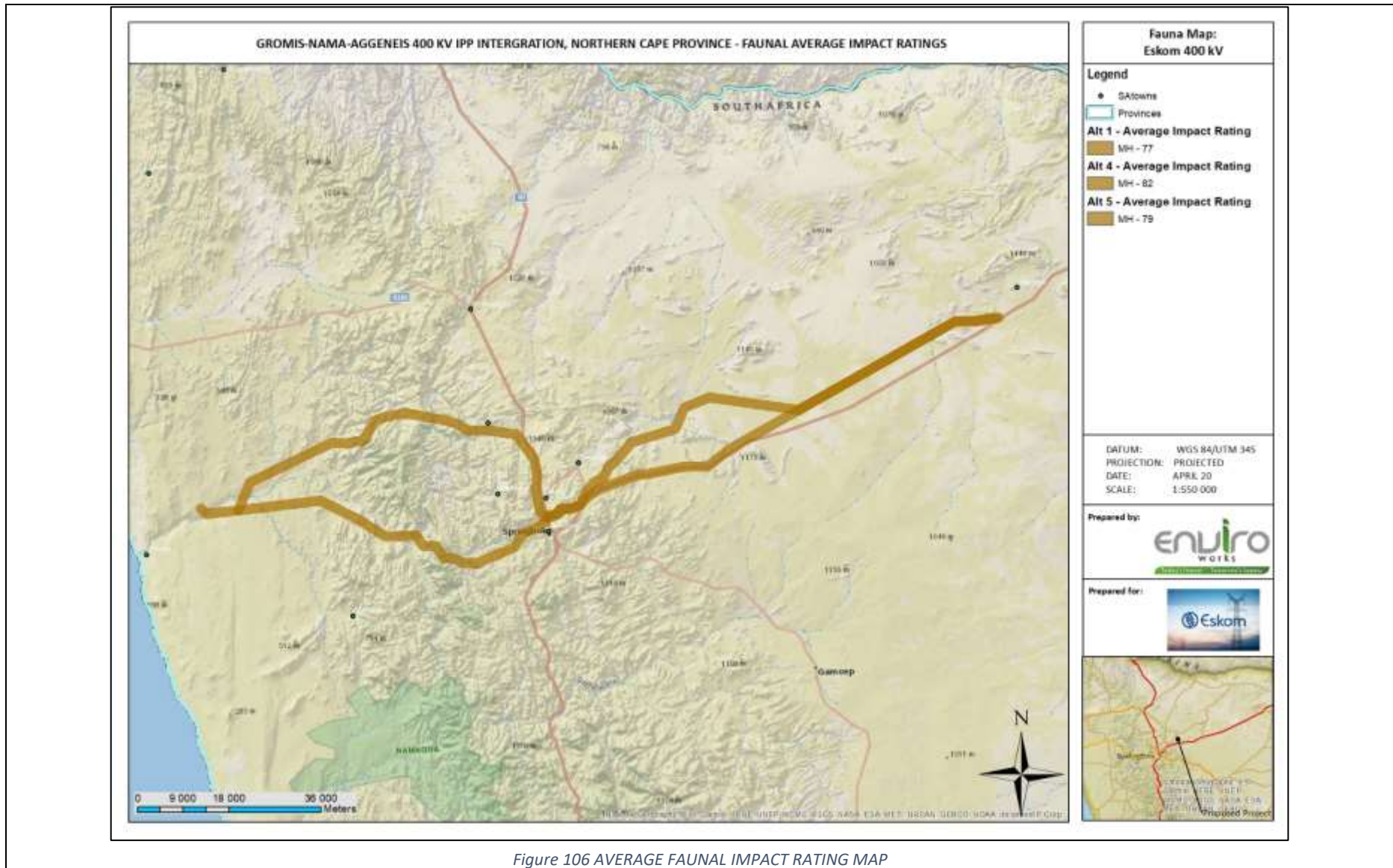
IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE



9. AVIFAUNAL IMPACTS

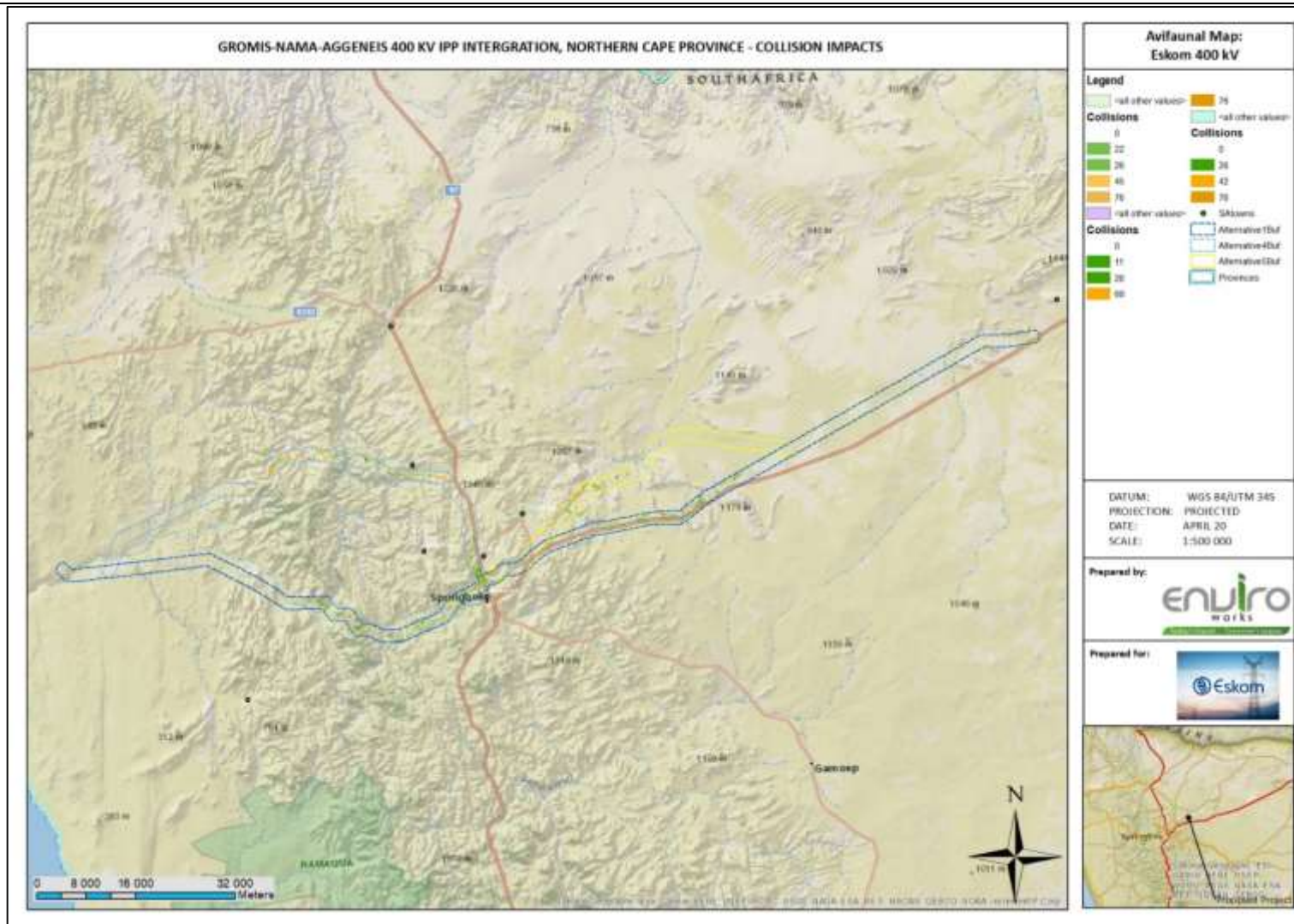
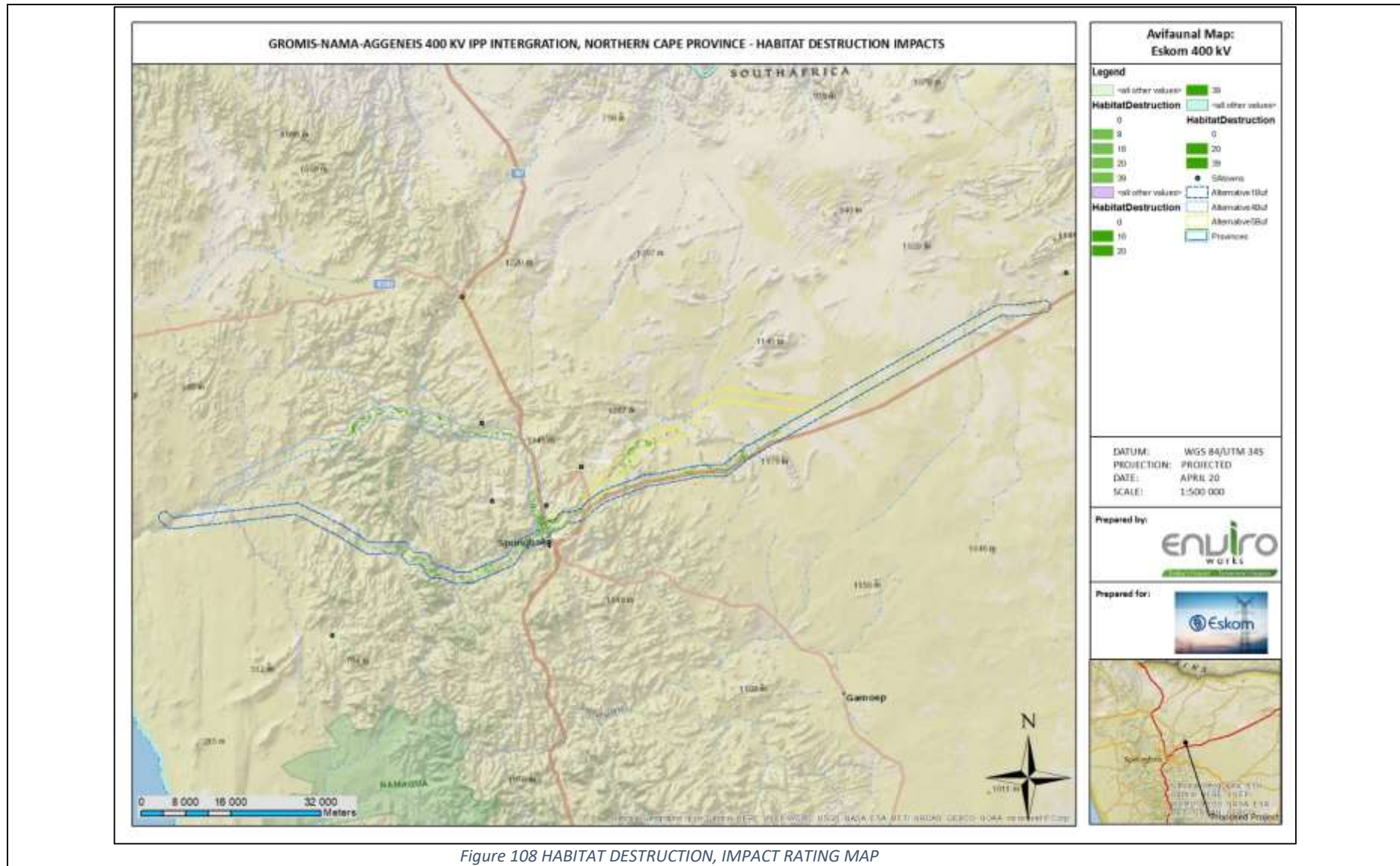
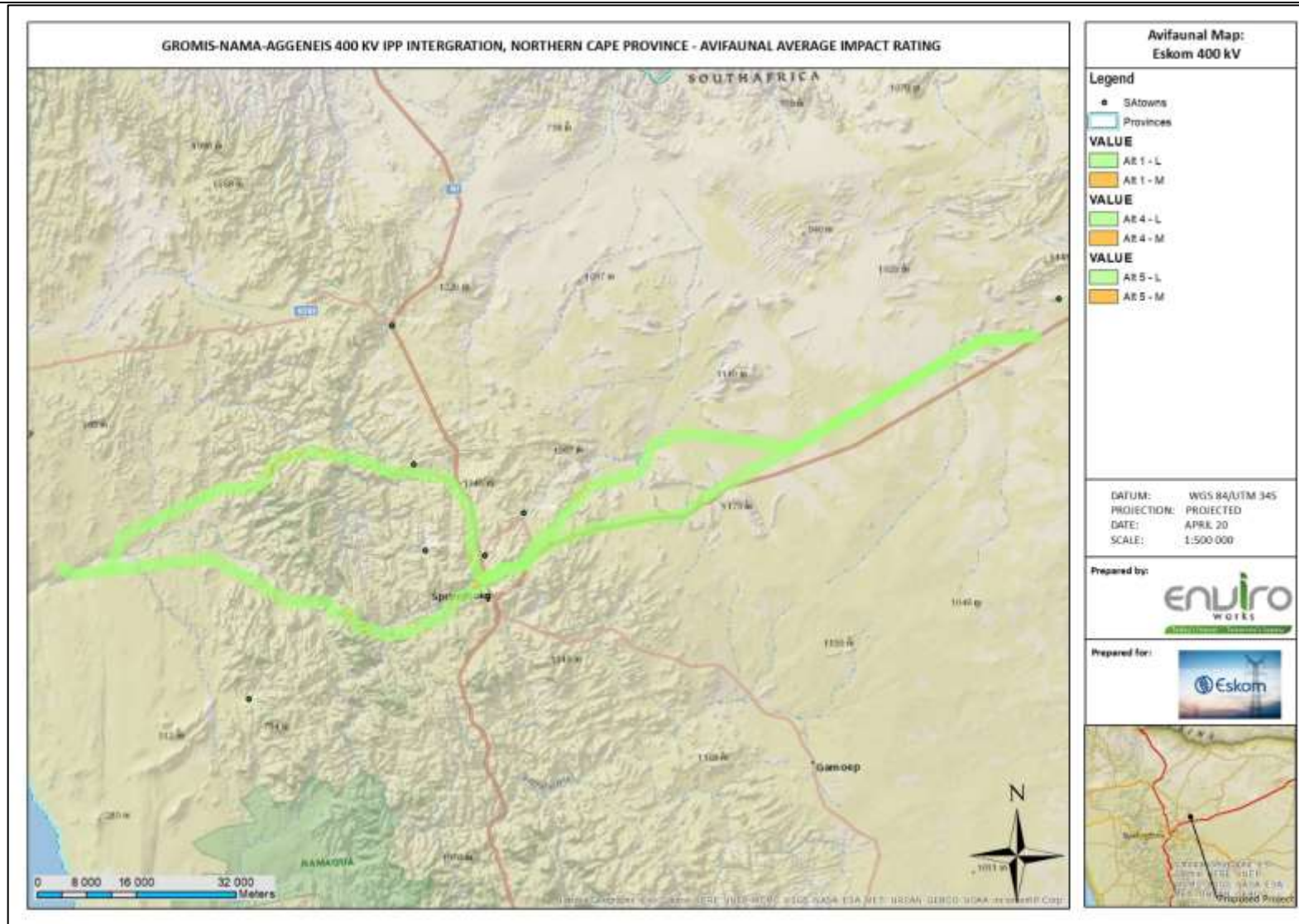


Figure 107 COLLISIONS, IMPACT RATING MAP

IMPACT RATING MAPS: GROMIS-NAMA-AGGENEIS 400KV IPP INTEGRATION POWER LINE



IMPACT RATING MAPS: GROMIS-NAMA-AGGENEYS 400KV IPP INTEGRATION POWER LINE



## 10. REFERENCES

- Du Plessis, C., 2020. Mapping Process and Explanatory Notes for the proposed development of the Gromis-Nama-Aggeneis 400 kV IPP integration power line, Northern Cape Province. Enviroworks, Cape Town.
- Mostert, E., 2020. Environmental Screenign Report for the proposed development of the Gromis-Nama-Aggeneis 400 kV IPP integration power line, Northern Cape Province. Enviroworks, Cape Town.