

# Bolshezemelskaya Tundra East

## Land use

IPY project MODIL-NAO  
Excerpt map from GIS database

Compiled by W.K. Dallmann  
Norwegian Polar Institute, 2009



### Legend:

#### Settlements and infrastructure

- Settlement, significant portion of indigenous population
- Settlement, abandoned
- Cabin(s) (from satellite image)
- ▲ Historical site
- ✈ Small airport
- ✈ Heliport
- ⚓ Landing place for ships

#### Roads and tracks (from satellite images):

- Road
- Track, multiple (ca. 50-200 m broad)
- Track, single or less than ca. 50 m broad
- Forest corridor

#### Traditional land use: places from questionnaires, N=9

- ▲ Camp site (month)
- Fishing site
- Fishing site, former
- Hunting site
- ◆ Slaughtering site
- ★ Sacred site
- Reindeer migration route

#### Traditional land use: areas from questionnaires, N=9

- c Calving area
- g Gathering area
- h' Hunting area, former

2003 High-resolution satellite imagery on GoogleEarth: more detailed observations

2005 Year of low-resolution satellite images used for interpretation

#### Areas assigned to reindeer herding cooperatives

- 10 SPK Izhemskiy olenovod
- 11 SPK Druzhba narodov
- 12 SPK Put Ilicha
- 13 SPK Severnyy
- 14 SPK Ust Usinskiy
- 15 SPK Rassvet Severa
- boundary of area

#### Oil fields

- Oil field

#### Pipelines:

- Oil pipeline, above ground
- Oil pipeline, above ground, approximate position
- - - Oil pipeline, planned

#### Other installations:

- ▲ Hydrocarbon production site
- ▲ Drilling or production site
- Industrial facility
- Working site
- ★ Gravel pit

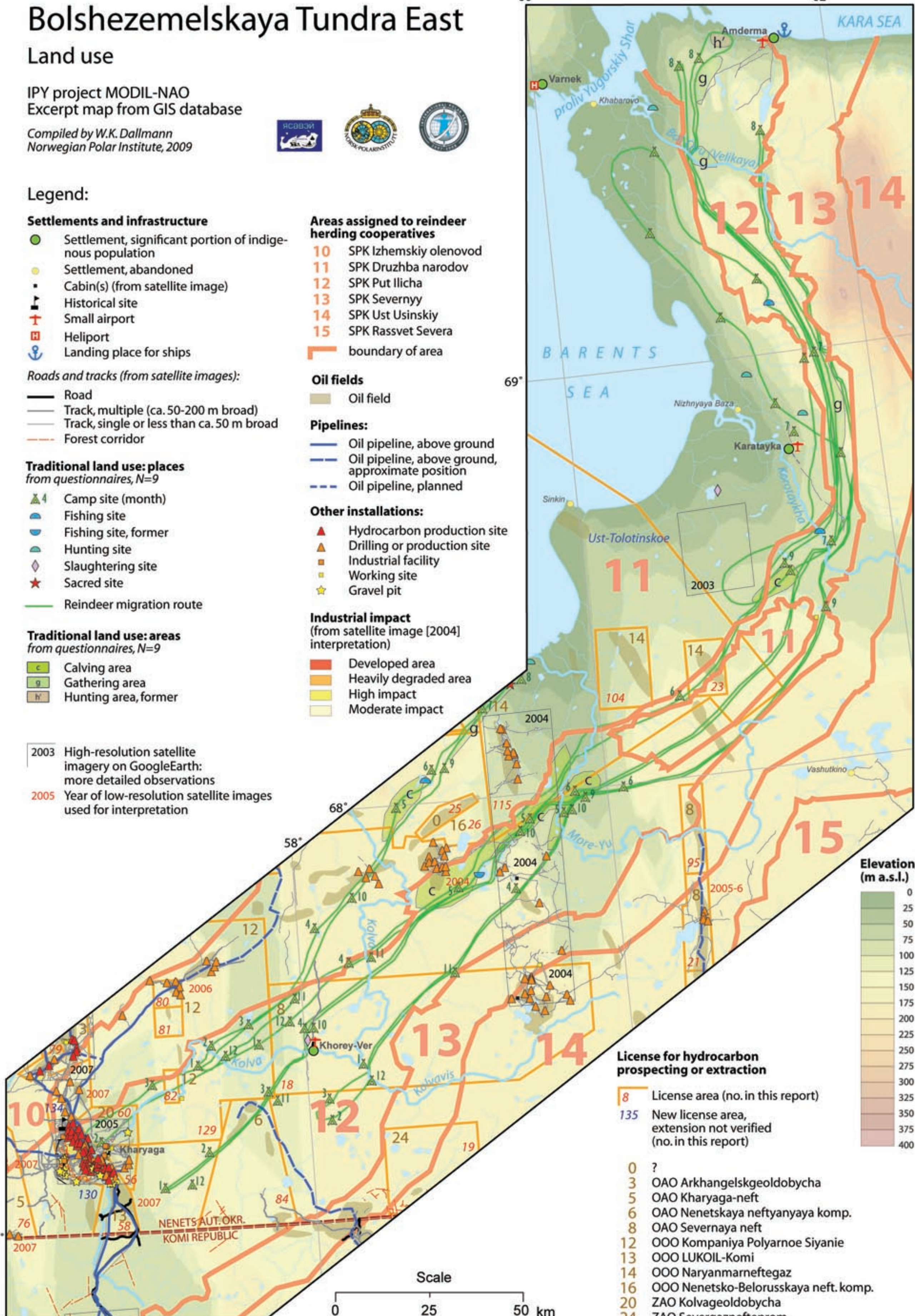
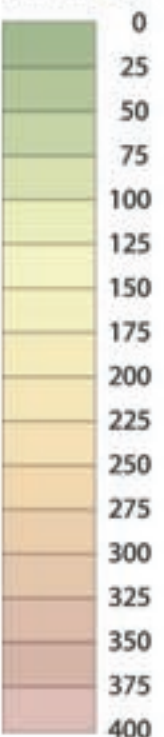
#### Industrial impact (from satellite image [2004] interpretation)

- Developed area
- Heavily degraded area
- High impact
- Moderate impact

#### License for hydrocarbon prospecting or extraction

- 8 License area (no. in this report)
- 135 New license area, extension not verified (no. in this report)
- 0 ?
- 3 OAO Arkhangel'skgeoldobycha
- 5 OAO Kharyaga-neft
- 6 OAO Nenetskaya neftnyaya komp.
- 8 OAO Severnaya neft
- 12 OOO Kompaniya Polyarnoe Siyanie
- 13 OOO LUKOIL-Komi
- 14 OOO Naryanmarneftegaz
- 16 OOO Nenetsko-Belorus'skaya neft. komp.
- 20 ZAO Kolvageoldobycha
- 24 ZAO Severgazneftprom

#### Elevation (m a.s.l.)



Scale

