

Koli National Park

SAFETY PLAN 2006 – 2010
SUMMARY

Part 1: Security in terrain
Part 2: Security in buildings and constructions



Editors:

Tero Hakulinen, Lasse Halmemies, Hanna Eerikäinen, Stephanie Singh
and Lasse Lovén



METLA

INTERREGIIB NEST-program

Part 1. Security in terrain

1. INTRODUCTION

Here follows a summarized description about the terrain security part of the Koli national park safety plan for the years 2006 – 2010. The plan is part of the Europarc Sustainable Tourism Development Plan. The plan will be specified and expanded in the next two months as a part of the development process.

2. FIRE MANAGEMENT

2.1. Risk areas and factors

This includes recognition and classification of easily flammable areas like dry forests and developing the suitable forecasting model for the spreading of fire from the ignition point as well as geo-database modeling. Forest fire models are also going to be used when developing the tools for better security management. A risk analysis and predictions are made as well with GIS-system (ARCGIS and MAPINFO).

2.2. Slash-and-burn and restoration burning

Contains description of areas and action plans for sites, necessary notifications, permissions and legislation as well as integrated persons. The sites are defined in the special plans for these activities, which have been done earlier in LIFE to Koli project. Also included are fire safety management orders during the real actions for slash-and-burn; fire-fighting equipment, sources of water supply, action plan for each site and instructions for guarding the site after the slash-and-burn.

2.3. Fire places for visitors

Involves legislation and authority instructions for fire places, sheltered fire, actions during the public forest fire warnings and the restriction and separation of fire, location of the necessary water sources and location of fire control equipment as well as instructions for tourists (in several languages; English, German, Russian).

3. SECURITY ALONG HIKING TRAILS AND OTHER ROUTES IN THE TERRAIN

Involves the safety evaluation of paths, trails and terrain, developing the free access to the routes, the control the threats and inconveniences caused by fallen and falling trees, winter snow loads from treetops, terrain and path erosion and security on and around the resting places. Also included are the effects of weather factors and lightning as well as the risk factors (e.g. tripping, falling, jagged rocks).

4. SKIING TRAILS JA SLALOM SLOPES

This part contains description for conditions of trails and slopes, as well as the condition and safety of lifts. The risks and dangers (e.g. falling, restricted areas (especially in or around the slalom slopes) assessment is also made as well as safety plans for slopes and skiing events.

5. PARKING LOTS

Contains the safety of the parking areas, especially the winter use (access, ice, snow, etc. and the accessibility to the areas.

6. GUIDED "PROGRAM" SERVICES

Contains instructions for the entrepreneurs who provide guided business services (hiking tours, snowmobile safaris, etc.) in the national park area. Instructions include the consideration and effect of weather conditions, the recognition, prevention and assessment of risks in the services, safety documents and/or –plans and also staff competence (first aid training) and functioning as well as emergency preparedness.

7. RESCUE ACTIONS

Involves plan and instructions for search, locating (maps, recognized and appointed meeting places, rescue places), organizations – official and voluntary; the national park's own actions and co-operation with other authorities, responsibilities and roles of the staff in rescue situations), rescue routes and access by car or helicopter and directions to the place of rescue. Also included are descriptions and instructions for difficult and/or remote places and the giving directions to the park and tourists.

8. GEODATABASES, MAPS AND DRAWINGS

Geodatabases, maps and drawings provide necessary information about the areas as well as tools for planning and operating. Each example and chapter includes the necessary maps and/or drawings.

9. EXAMPLE CASES (in the forementioned parts)

Each chapter will include an example with descriptions and instructions for operation, organizing, communication, etc.

10. SUMMARY

11. LITERATURE AND INTERNET SOURCES

Suvanto, H.J. 2003. Tulen hallinta ja sammuttaminen käsityövälinein. Sisäasiainministeriö, Pelastusosasto. 51 pages.

Busch, B., Goldammer J.G., Denk A. 2001. Feuer. Kunst –und Ausstellungshalle der Bundesrepublik Deutschland GmbH, Bonn. 608 pages.

Grönqvist, R., Heikkilä, T.V., Jurvelius M. 1993. Handbook on forest fire control. National Board of Education of Government of Finland, Helsinki. 239 pages.

<http://www.firelab.org>

<http://www.finlex.fi>

Part 2. Security in buildings and constructions

1. Objectives

A comprehensive security plan has been made for Hotel Koli, Heritage Centre, office of Metla (Finnish Forest Research Institute), Cultural Centre Kolin Rynnänen and Alamaja House. A smaller security plan has been made for 6 cottages.

2. Purpose

The Finnish law requires that certain size and type of companies and institutes make a safety plan. The idea is that companies and institutes would develop their security systematically and effectively. Management and maintenance of security becomes easier when all information concerning safety is gathered together.

3. Content

Comprehensive plan for larger buildings

Comprehensive security plans are about 50 pages in length. They contain contact information and instructions on what to do in case of an emergency. Risks for different buildings are evaluated and the company/institute has to be preliminary prepared for those risks by for instance purchasing sufficient security material like fire extinguishers or by repairing broken parts etc. Extinguishers and other safety material are listed in the plan. Dangerous or flammable chemicals, their amount and location have to be mentioned.

Safety plan contains information on structure of buildings and how long they are supposed to last in fire. There's a list to check the condition of electricity devices and risks of fire. A security chief is named for every building. If someone from personnel has received any security education it should be mentioned in the plan.

Attachment part contains ground plan and floor plan drawings. There are lots of instructions for different risks, for example bomb threat, gas and radiation emergency, how to protect buildings against burglary etc. There are also instructions on how to reduce damage to computers if electricity supply goes out for example due to lightning stroke.

Plan for a cottage

Security plans for cottages are about 5 pages long. They include contact information of closest fire stations, health centers and short instructions for most common emergencies (first aid instructions, what to do in case of fire etc). There's also information on structure of building (building material, how many rooms, floors), emergency exits, fire extinguishers and so on.