Unbounded

NewTopo mapping

2004 - 2016

ICA’s 10th Mountain Cartography Workshop,
Berchtesgaden, Germany
26 - 30 April 2016
Tongariro
Alpine Crossing

Mount Ngāuruho\e

New Topo
Travers–Sabine Circuit

New topographic mapping
ICA's 10th Mountain Cartography Workshop,
Berchtesgaden, Germany
Formats A1 and A3 variable scales
Principles:

Continuous features – continuous symbols

Accurately defined features – clear graphic definition

Relief: subtle, integrating minimum colour influence

Avoid contrasting lineal elements

Careful use of black colour

Re-evaluate traditional symbols

Simplify symbol families
Cliff or river terrace

Waterfall
Hot spring

Swamp

Pine forest

New topographic mapping
ICA’s 10th Mountain Cartography Workshop,
Berchtesgaden, Germany
New topographic mapping
ICA's 10th Mountain Cartography Workshop, Berchtesgaden, Germany
**Relief shading**

a vital integrating component
balance with other components essential
specially produced by Geographx
20m pixel: typically...

- flat areas: 10C, 7Y, 7M, 0K
- deep shadow: 45C, 39M, 38Y, 0K

result is a clear legible image
ICA's 10th Mountain Cartography Workshop, Berchtesgaden, Germany
Black relief:
Difficult balance between relief and text
Conflict with area tints, lines and text
Gloomy or muddy appearance of map

CMY no K relief:
Managed balance between relief and text
Managed discrimination between elements
Clean map image with increased legibility
Mount Ruapehu

Caution: lahars may flow down this valley during eruptions. If so, move quickly to higher ground.
Offset printing
‘printing’ is not just *printing*
new technology is amazing and precise
design map to the machine capabilities
printer uses Heidelberg and HP Indigo

Paper
‘paper’ is not just *paper*
essential to know the paper’s characteristics
two-sided surface differences
94gsm hws, 90gsm Polyart, 113gsm Sumo
Topographic maps
published by NewTopo
February 2016

Cape Reinga
Coastal Walkway

Auckland Walks
North

Rangitoto - Motutapu

Auckland Walks
South

Aotea
Great Barrier I

Coromandel Peninsula

Pinnacles

Tongariro
Alpine Crossing

Lake Taupō

Mt Egmont

Taranaki

Golden Bay

Heaphy Track
Mt Arthur, Cobb
Wangapeka Track
Old Ghost Road

Abel Tasman
Marlborough Sounds

Queen Charlotte Track
Travers Saddle

Wellington Outdoors

Taranua Tramps

Arthur’s Pass

Aoraki
Mt Cook

Five Passes Wilderness

Milford Track

Routeburn, Greenstone and Caples Tracks

Banks Peninsula

Kapiti Track

Dunedin Walks

Rakiura Track

Rakiura Track

More details can be found at
www.newtopo.co.nz
Thanks for your attention and the discussion