New topographic mapping

ICA - Mountain Cartography Workshop, Taurewa, New Zealand
1-5 September 2012
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
Cliff or river terrace

Waterfall

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Relief shading

a vital visual component

balance with other components essential

specially produced by Geographx

20m pixel: typically...

flat areas  10C, 7Y, 7M, 0K

deep shadow  40C, 30M, 25Y, 4K

result is a clear legible image
Black relief difficulties:
Difficult balance between relief and text
Conflict with area tints, lines and text
Gloomy or muddy appearance of map

CMY no K relief advantages:
Managed balance between relief and text
Managed discrimination between elements
Clean map image with increased legibility
Offset printing

‘printing’ is not just *printing*
new technology is amazing
design to the machine capabilities
printer uses Heidelberg and HP Indigo

Paper

‘paper’ is not just *paper*
useful to know the paper’s characteristics
two-sided surface differences
94gsm high-wet-strength and 113gsm Sumo
Thanks for your attention
and the discussion