New topographic mapping

ICA - Mountain Cartography Workshop, Taurewa, New Zealand
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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

New topographic mapping
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Hot spring
Swamp
Pine forest

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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
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Thanks for your attention and the discussion