

Ongoing National Geographic Magazine Work

Martin Gamache, Senior Editor, Cartography, National Geographic Magazine

mgamache@ngs.org

National Geographic Magazine cartographers continue to make use of cutting edge relief depiction techniques in our page maps. I will discuss “two works in progress” to illustrate how our maps are put together using an iterative process where several versions of the maps are created including multiple relief depictions. One map is particularly relevant to this year’s workshop, a medium scale page map of Yoho National Park in British Columbia, Canada that is scheduled to be published in summer 2014. Two techniques are being investigated for use on this map; plan oblique relief and texture shading, in addition to coloring based on natural color.

Another work in progress is a map of the Franz Josef Land archipelago where small glaciers, and hundreds of small mountainous islands form a rugged, complex landscape that will be challenging to render. I hope to take this opportunity to engage with workshop participants and solicit feedback on various versions of these two relief depictions.

Other maps to be discussed include recently published maps of Mt. Everest (satellite image drape), Te Wahipounamu – South West New Zealand (texture relief combined with land cover coloring and traditional relief shading), The Musandan Peninsula in Oman (plan oblique), and Greater Los Angeles Mt. Lion habitat (Terrain sculptor combined with traditional relief and land cover derived coloring). As we make more maps using some of these tools we gain evermore insights into their appropriate use, shortcomings and potential for improvements that we are looking forward to sharing with workshop participants.