

# MAP PRODUCTION TECHNIQUES

## MAPPING TECHNOLOGY

## LOW-END MAP PRODUCTION

## HIGH-END MAP PRODUCTION

### TRADITIONAL MAP PRODUCTION

#### TRADITIONAL PEN & INK LINE ARTWORK

HAND DRAW CONTOUR LINES AND OTHER MAP FEATURES

#### PHOTO-CHEMICAL MAP PRODUCTION

SCREENING DEPTH SHADING  
PRODUCING COLOR SEPARATIONS

### GIS MAP PRODUCTION

#### VECTOR GRAPHICS

COORDINATE-BASED LINEWORK  
GEO-REFERENCED MAP FEATURES  
ORGANIZED IN MAP LAYERS

#### SURFACE RENDERING

3D TIN SURFACES  
RELIEF SHADING  
DYNAMIC 3D IMAGES

### POSTSCRIPT GRAPHICS

#### POSTSCRIPT MAPPING

COMPLETE ARTISTIC CONTROL  
VIA *ADOBE ILLUSTRATOR*  
HIGH RESOLUTION MAP PRODUCTION  
WITH IMAGE SETTER PRINTING  
COMPOSITION OF MULTI-MAP BOOKLETS

#### PHOTO-MAPPING

MAPS SUPERIMPOSED OVER  
DIGITAL AERIAL PHOTOGRAPHS  
HYBRID OF *ADOBE ILLUSTRATOR*  
AND *ADOBE PHOTOSHOP* SKILLS  
CONSTRUCTION OF LOCATIONAL MAPS