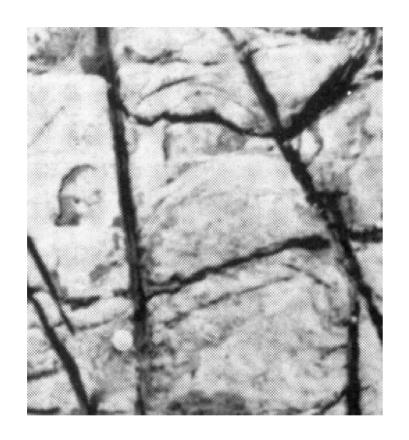
## Example of image processing on joint traces

"A semi-automated methodology for discontinuity trace detection in digital images of rock mass exposures", T.R. Reid & J.P. Harrison, *Int. J. of Rock Mech. and Mining Sci. 37(2000)* 1073-1089

- 1) Greyscale digital image scanning
- 2) Image enhancement(noise reduction) with Gaussian filter
- 3) Grey level threshold value selection & ravine pixel labelling
- 4) Binary dilation, smoothing, thinning & ravine-line segment
- 5) Ravine-line segment linking → discontinuity trace map



Greyscale digital image

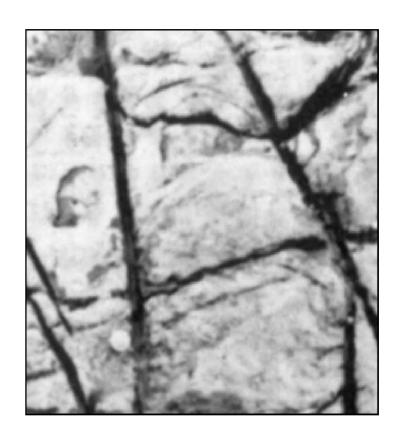


Image enhancement by Gaussian filter

