

SOPHIA 1:100,000 SHEET

Thematic mapper enhancement descriptions :

- Slide 1: Band 4 with histogram - normalised contrast stretch.
- Slide 2: Band 4 with high pass spatial filter then piecewise contrast stretch - a non-directional edge enhancement.
- Slide 3: First principal component with histogram - normalised contrast stretch.
- Slide 4: First principal component with high pass spatial filter followed by piecewise contrast stretch - a non-directional edge enhancement.
- Slide 5: Band 4 with edge enhancing convolution to highlight NW-SE trending features.
- Slide 6: Band 4 with edge enhancing convolution to highlight NE-SW trending features.
- Slide 7: Band 4 with edge enhancing convolution to highlight E-W trending features.
- Slide 8: Simulated true colour composite image combining bands 3, 2, 1 as red, green, black with a histogram-normalised contrast stretch followed by a space variant contrast stretch.
- Slide 9: False colour composite image featuring bands 7, 4, 1 as red, green, blue; contrast stretch as for slide 8.
- Slide 10: False colour composite image featuring bands 4, 5, 7 as red, green, blue; contrast stretch as for slide 8.
- Slide 11: False colour composite image (bands 4, 5, 6 = R, G, B histogram - normalised) added to edge-enhanced band 4 image.
- Slide 12: False colour composite image produced by combining first, second and third principal components as red, green and blue and with a space variant contrast stretch.
- Slide 13: False colour composite ratio image of 3/5, 5/4 and 5/7 as red, green and blue, histogram - normalised.
- Slide 14: As for slide 13 but with 4/5, 5/7, 3/2 as red, green and blue.
- Slide 15: As for slide 13 but with 3/1, 5/4, 5/7 as red, green and blue.
- Slide 16: As for slide 13 but with 3/2, 4/5, 3/1 as red, green and blue.