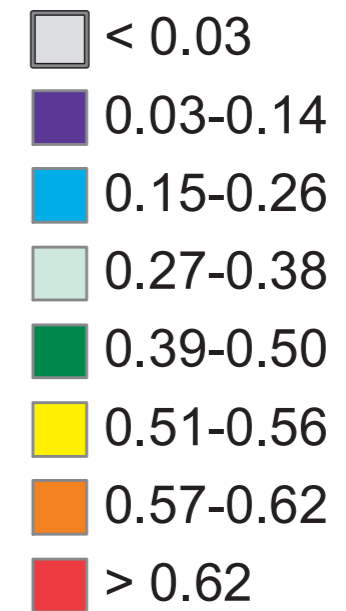


Maximum NDVI



Maximum NDVI

Maximum normalized difference vegetation index (NDVI) values of the Arctic region, north of treeline, during maximum greenup and with minimum cloud and snow cover during the summers of 1993 and 1995, which were relatively warm years with minimum snow cover. NDVI is a measure of vegetation greenness. The index is a ratio of the reflectance in the near infrared (NIR; 725-1100 nm) band and the visible red (R; 580-680 nm) band, calculated as:

$$\text{NDVI} = (\text{NIR}-\text{R})/(\text{NIR}+\text{R})$$

AVHRR data used to calculate NDVI was obtained from the USGS, EROS Alaska Field Office as bi-weekly composite images. The circumpolar map was produced by selecting the pixels that had the maximum reflectance during the period of 11 July through 31 August for the years of 1993 and 1995.

0 250 500 750 1000


Kilometers

Scale 1:25,000,000

Lambert Azimuthal Equal Area Projection
Longitude of origin: -180°, Latitude of origin: 90°

Map is designed to print at full scale on both B (11x17") and A3 (297x420 mm) sized paper. The outer most neat line measures 249 x 390 mm when the map is plotted at full size.