Derived Landsat Imagery

Robinson Lake, Limerick, Hastings County

This is derived imagery using various techniques and programs we have learned over the past 6 months, including clipping, merging, enhancing and overall presentation of derived Landsat imagery. There are a few main steps to created a pan sharpened image such as this starting from the beginning it requires a Landsat image that is not obstructed by cloud or haze which would distort the image even further not creating a cohesive looking output. once an appropriate image has been selected it is also important to retrieve the DEM for the same area so that elevation and a more 3-D effect can be placed under the imagery. Once all of data has been collected it is time to clip the area in this case it was clipped at about 20 km width to insure a large enough area to derive. By using Catalyst Focus sessions I was able to create a pan sharpened image which did not have the effect I wanted so I kept the previously sharped pan image as the main imagery. After merging the DEM with the Landsat pan sharpened imagery it was time to trans; ate the pix file into a tiff and import into arc pro where each image is overlaid and changed transparency and layer effect to create one final derived imagery incorporating the skills we have learned over the past semesters.

