

# KOOCHICHING COUNTY

## MINNESOTA

### AERIAL PHOTOGRAPHY PROJECT INDEX MAP FOR MN DNR PHOTOS FLOWN AT 1:31,680

This index map depicts where the aerial photograph centers are located on the ground for each photo cropped to 1:15,840.

To produce 1:15,840 scale photos, the southeast and southwest quarters were cropped out of each 1:31,680 photo and relabeled by multiplying the flightline by 2 for the new SE quarter photo and multiplying the flightline by 2 and subtracting 1 for the new SW quarter photo. The exposure number stays the same for both. The resulting photos were then printed at 9" by 9".

To get the stereo pairs for the new 1:15,840 photographs, the next 1:31,680 photo south is cropped at an 80% overlap to the new photos.

For example: the 1:31,680 photo labeled lak-21-005 is cropped to produce the following 1:15,840 scale photos:

- lak-41-004 stereo which is the east central portion of the photo and is used as the stereo pair for lak-41-004.
- lak-41-005 which is the southeast quarter portion of the photo and is used as a base 1:15,840 photo.
- lak-42-004 stereo which is the west central portion of the photo and is used as the stereo pair for lak-42-004.
- lak-42-005 which is the south west quarter portion of the photo and is used as a base 1:15,840 photo.

Printed Map Scale: 1 inch = 2.3 miles

Photo Scale: 1 : 15,840

Flight Altitude: 15,840' Above Terrain Datum

**Contractor:**  
Aerial Services Inc., Williams Aerial & Mapping

**Dates Flown:**  
09/26/2010 - 10/06/2010

Photographs Flown for:

State of Minnesota  
Department of Natural Resources  
Division of Forestry

