DRONETECH
UNMANNED AIRCRAFT SYSTEMS

PARTNERSHIPS

NSF

NORTHLAND
COMMUNITY & TECHNICAL COLLEGE

DRONETECH PARTNERS

NCAT

DRONETECH
UNMANNED AIRCRAFT SYSTEMS

U of M KERNZA PROJECT

COLLABORATIVE EFFORT BETWEEN:

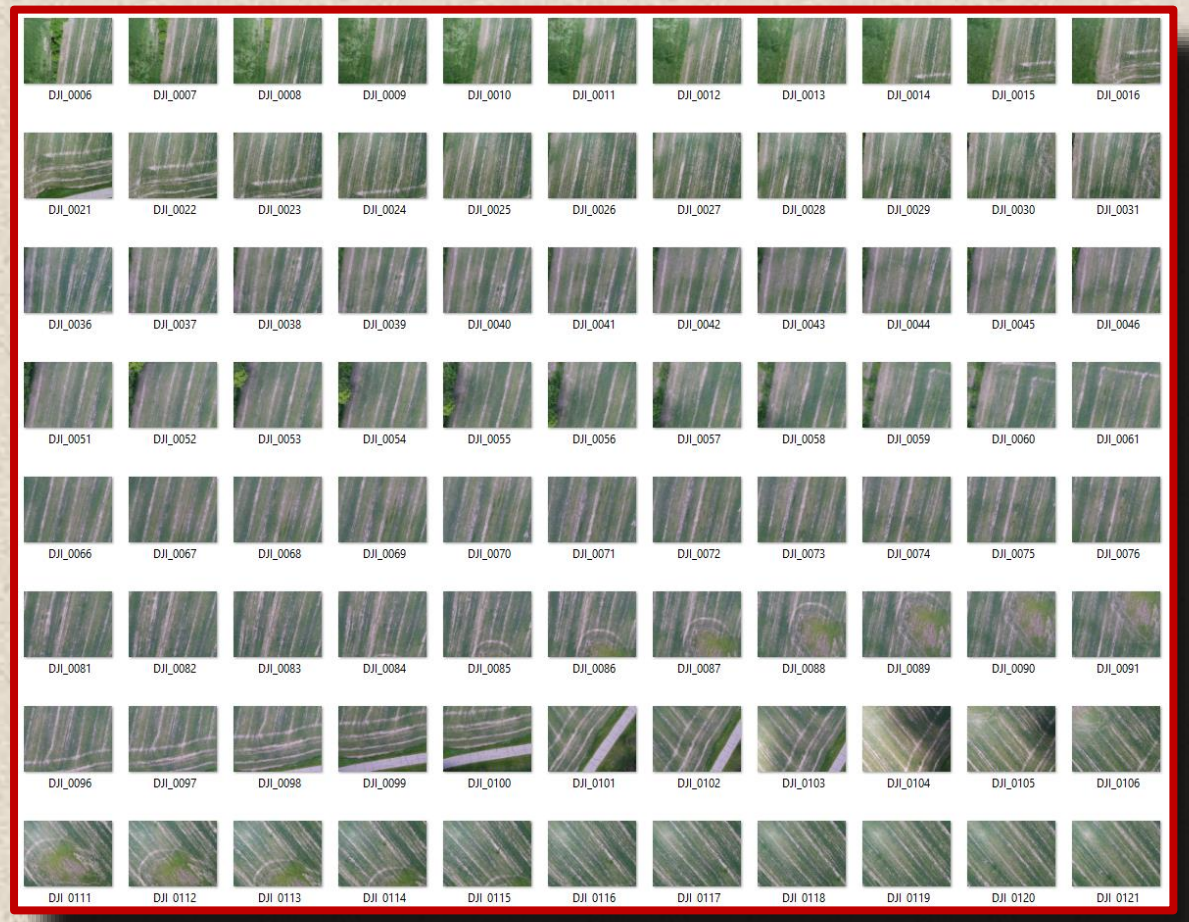
UNIVERSITY OF MINNESOTA
STEARNS COUNTY SWCD
ST CLOUD STATE UNIVERSITY
MINNESOTA ASSOCIATION OF PROFESSIONAL SOIL SCIENTISTS

NSF
NORTHLAND COMMUNITY & TECHNICAL COLLEGE
DRONETECH PARTNERS
NCAT

KERNZA IS A PERENNIAL WHEATGRASS THAT DEVELOPS A ROOT SYSTEM MUCH MORE EXTENSIVE THAN WHEAT. NOT HAVING TO PREPARE THE SOIL EACH YEAR, ALONG WITH THAT ROOT SYSTEM, MEANS THAT KERNZA CAN REDUCE SOIL EROSION CONSIDERABLY. IT ALSO FIXES CARBON AND REDUCES THE LEACHING OF NITROGEN FROM THE SOIL.

21 mos

Horseshoe Rd



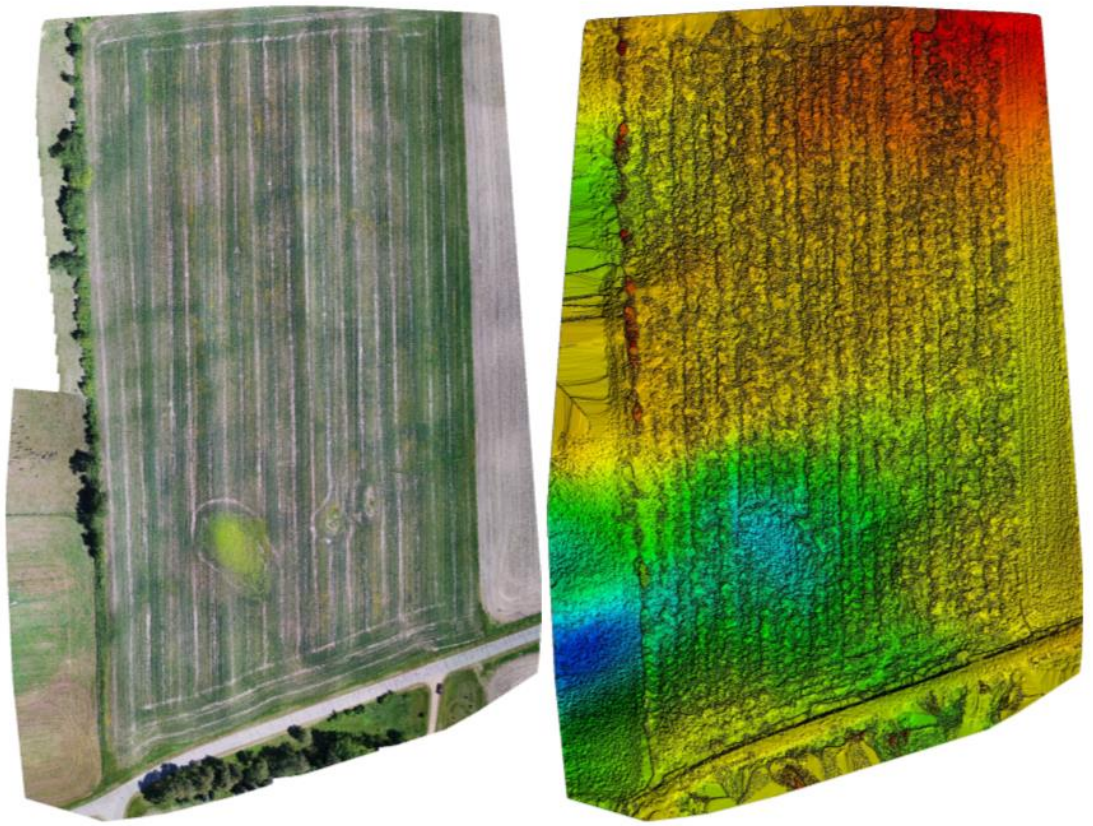
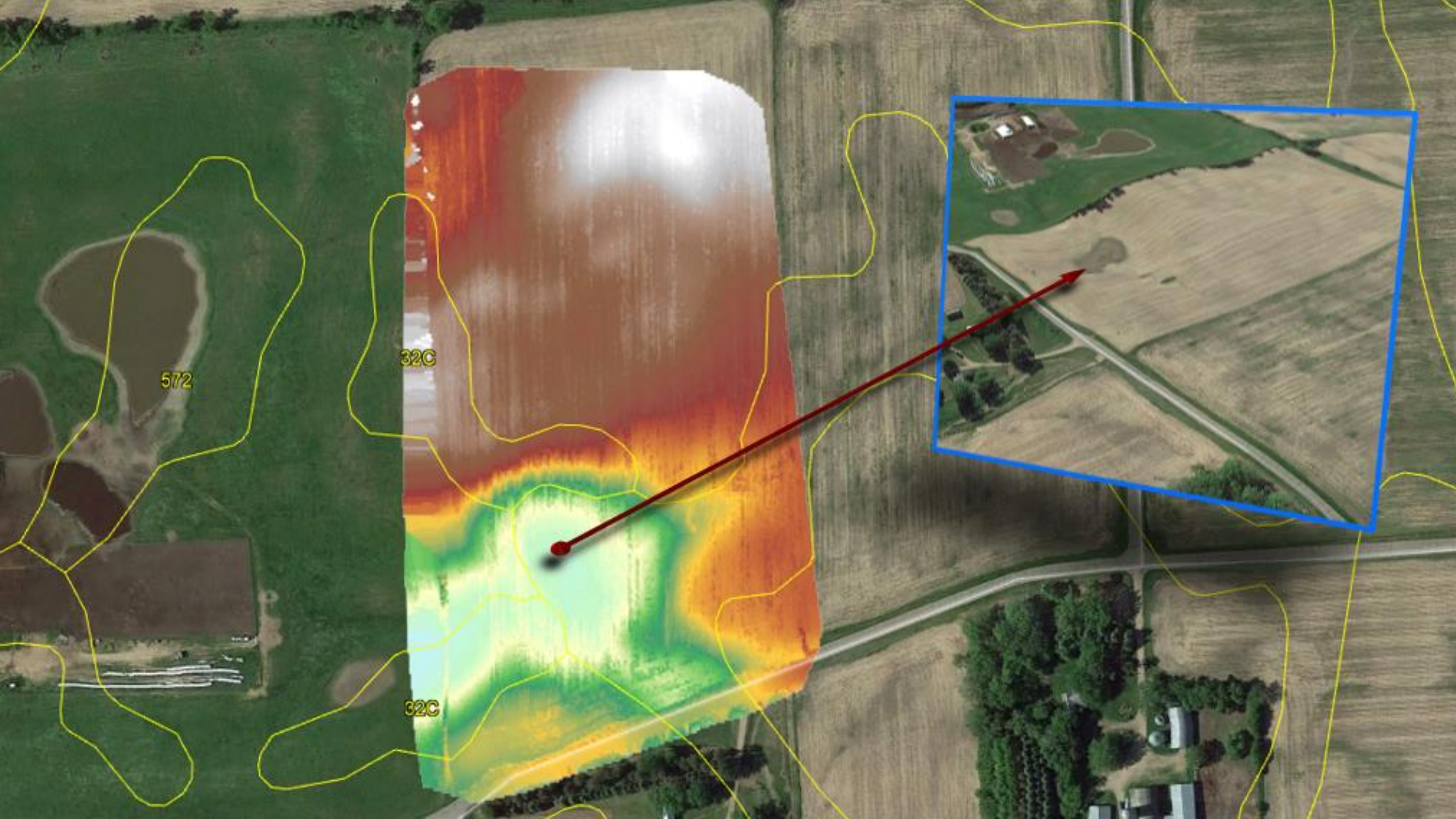


Figure 1: Orthomosaic and the corresponding sparse Digital Surface Model (DSM) before densification.

176th Ave
Horseshoe Rd


572
32C
32C