Clinton County, Ohio
Final Aerial Photography Report

To: Joe Merritt
   GIS Manager

From: Brian Stevens
   Project Manager

Date: June 30, 2003

Subject: Aerial Photography Report (60611)

On April 1, 2003, Woolpert's flight crews were able to acquire all of the aerial photography for the Clinton County, Ohio Countywide LiDAR and Digital Orthophoto Update Mapping Project, meeting the specifications and requirements for the aerial photography. This includes 10 flight lines at 1"=800' negative scale.

Fortunately we had an excellent day for flying the photography. Film was flown to match sun angles for an even exposure across the county. After examining the film, and performing our detailed analysis, we have determined the film is of excellent quality and ready for production.

During our editing procedure we located all of the target panels.

Photography Dates and Environmental Conditions
Times given in Eastern Standard Time (EST).

Date: Tuesday April 1, 2003
Weather: Clear
Aircraft: N4032C
Camera No. 5099
Scale: 1"= 800'
Time: Began with Flight 9 at 3:02 PM with the sun angle at 42.6 degrees
      Finished Flight 1 at 3:52 PM with the sun angle at 34.4 degrees
      Time: Flew Flight 10 from 3:56 PM to 3:59 PM with the sun angle at 33.5 degrees


Image Quality

Atmosphere: Clear
Ground: There were no noticeable problems.
Streams: Within their normal banks
Foliage: Deciduous trees are sufficiently barren
Shadows: Cloud shadows appear on less than 5% of the area in any one photograph.
Sun Spots/Reflection: "Hot Spots" appear on less than 5% of the area in any one photograph
Solar Angle: Greater than 30 degrees with an average of 38.0 degrees
Film: Negatives contain no static marks, tears, scratches, or other blemishes
Image Quality: Negatives are clear and sharp in detail and uniform in density

Specifications

Photo Coverage: Full photographic coverage of the entire project area.
Scale: Negative scale is within 5% of 1"=800'
Forward lap: Averages 60%
Side lap: Averages 30%
Crab: Averages less than 5 degrees
Tilt: Averages less than 1 degree over the entire project
Aircraft N4032C: Camera Serial Number: #5099; Focal Length: 153.090 mm
Ground Control Targets: All targets have been located.