Elevation QC Report

Project: California_Central_Coast_Lidar_2011   **Contractor:** Digital Mapping INC.

Data Delivery Date: 04/11/2011   **Date Data Reviewed:** 04/11/2011 - 04

Reviewer: Eric Jaramillo   **Total Square Miles Reviewed:** 2434.58 s

Elevation Type: LIDAR   **Format:** .img   **Grid Spacing:** 10 feet   **Tile size:** 12.000 x 8.000

Projection: SPCS   **Zone:** California Zone 3 and 4   **Datum:** NAD83   **Units:** Feet

Licensing: Public Domain   **Metadata:** Project Level

Materials Received:

Ground Control placement report,
Block 1 and 2 dem .img files
Block 1 and 2 classified .las files
Block 1 and 2 TIN .adf files
Metadata
Raw Lidar data .las files
Shape files
Waterbodies and breaklines

Vertical Accuracy Test Performed: No   **Test Point Source:** None   **RMSE:**

Vertical Accuracy Test Notes:
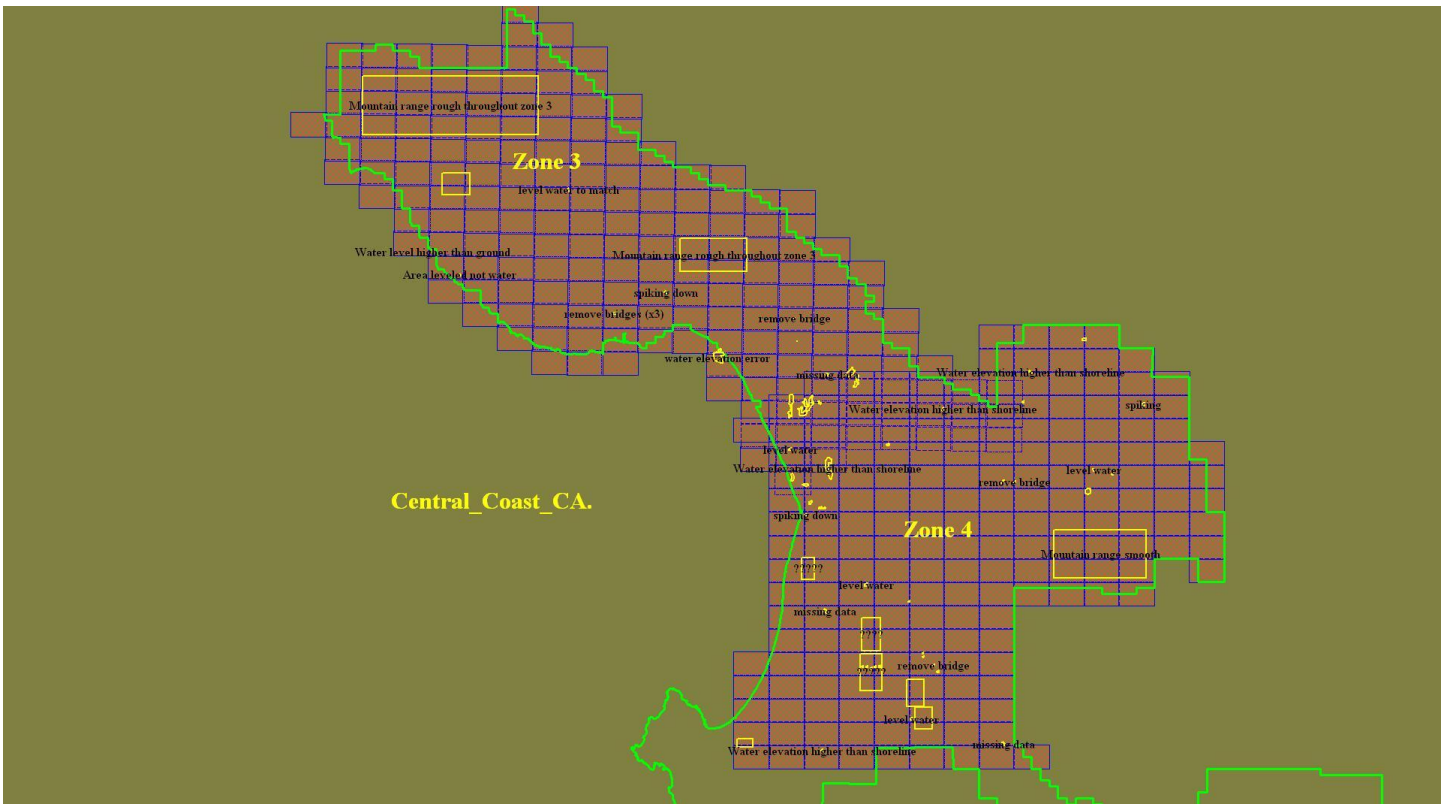
No control sent.

QC Review Summary:

All of California Central Coast 10 feet Lidar data was reviewed. This data was brought into Globbal Mapper as .img files for a QA/QC. Errors found throughtout this project are water elevations not leveled, water elevations higher then the shoreline, spiking up and down, bridges not removed, lines in the data not sure what they are, mountain ranges in zone 3 quilting, missing data and area not water but leveled.These errors need to be fixed by the contractor before we can accept this data, we also need the control shape file and the intensity files for this project.
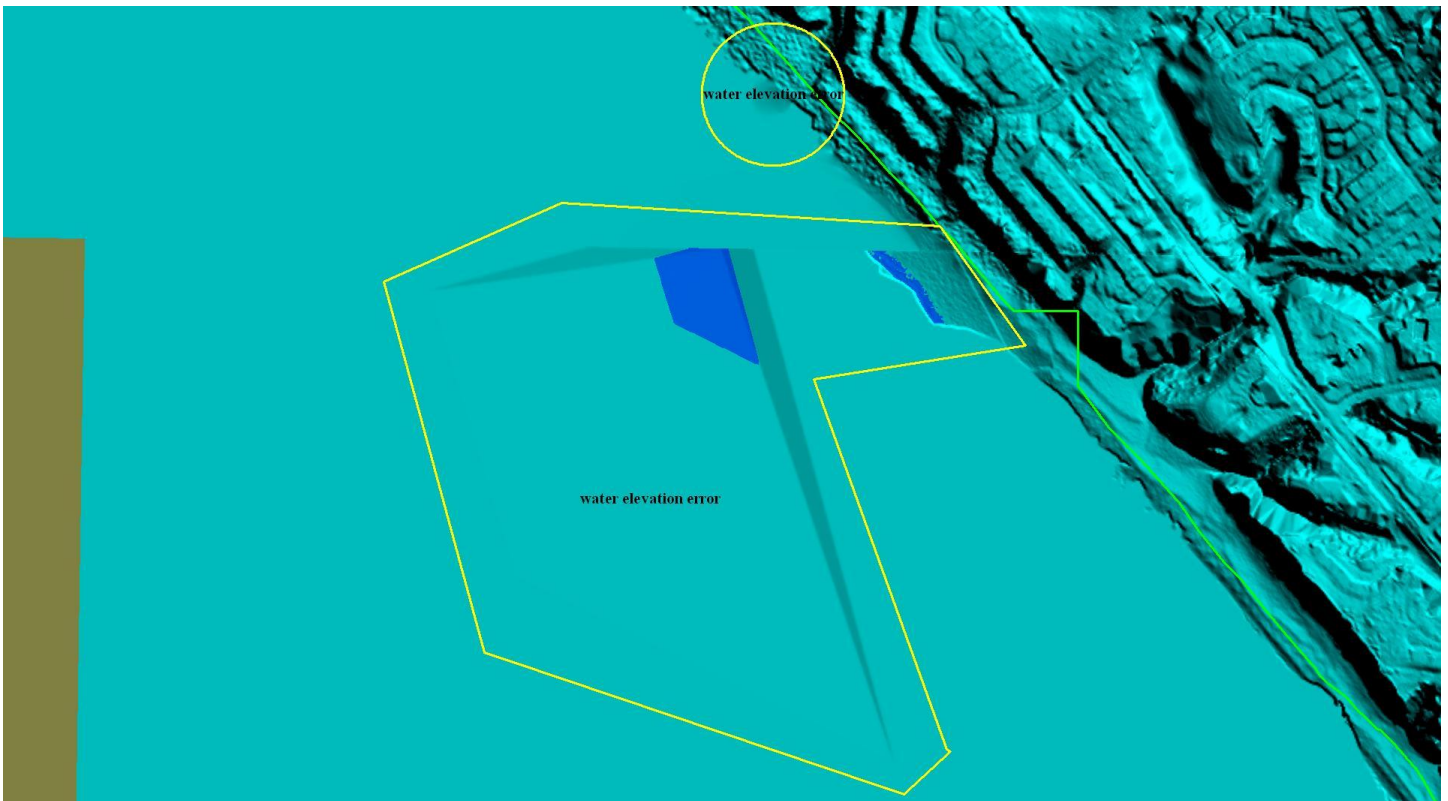
See JEPGS and dcument below

Conclusions: 1. 95% of Artifacts removed
              2. 95% of vegetation penetrated
   3. 98% of bldgs removed

California Central Coast

Mountain range rough throughout zone 3

Zone 3

level water to match

Water level higher than ground

Mountain range rough throughout zone 3

Area leveled not water

spiking down

remove bridges (x3)

remove bridge

water elevation error

missing data

Water elevation higher than shoreline

Water elevation higher than shoreline

spiking

Central_Coast_CA.

level water

Water elevation higher than shoreline

remove bridge

level water

spiking down

Zone 4

Mountain range smooth

??????

level water

missing data

??????

remove bridge

level water

Water elevation higher than shoreline

missing data

Water elevation not leveled example
WATER ELEVATION FIXED

water elevation error

water elevation error

Water elevation higher then the shoreline example

WATER ELEVATION FIXED (ALL LAKES

water elevation error
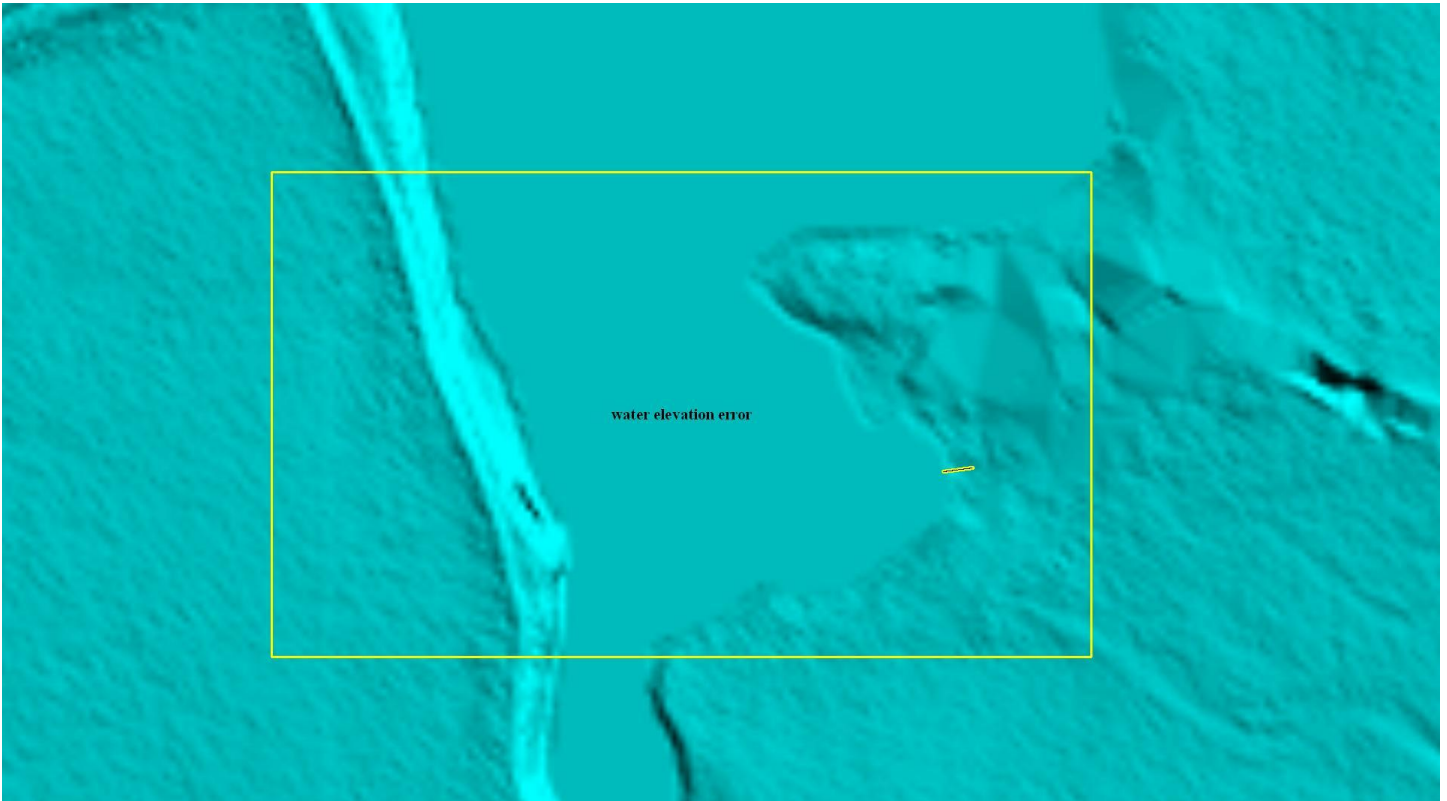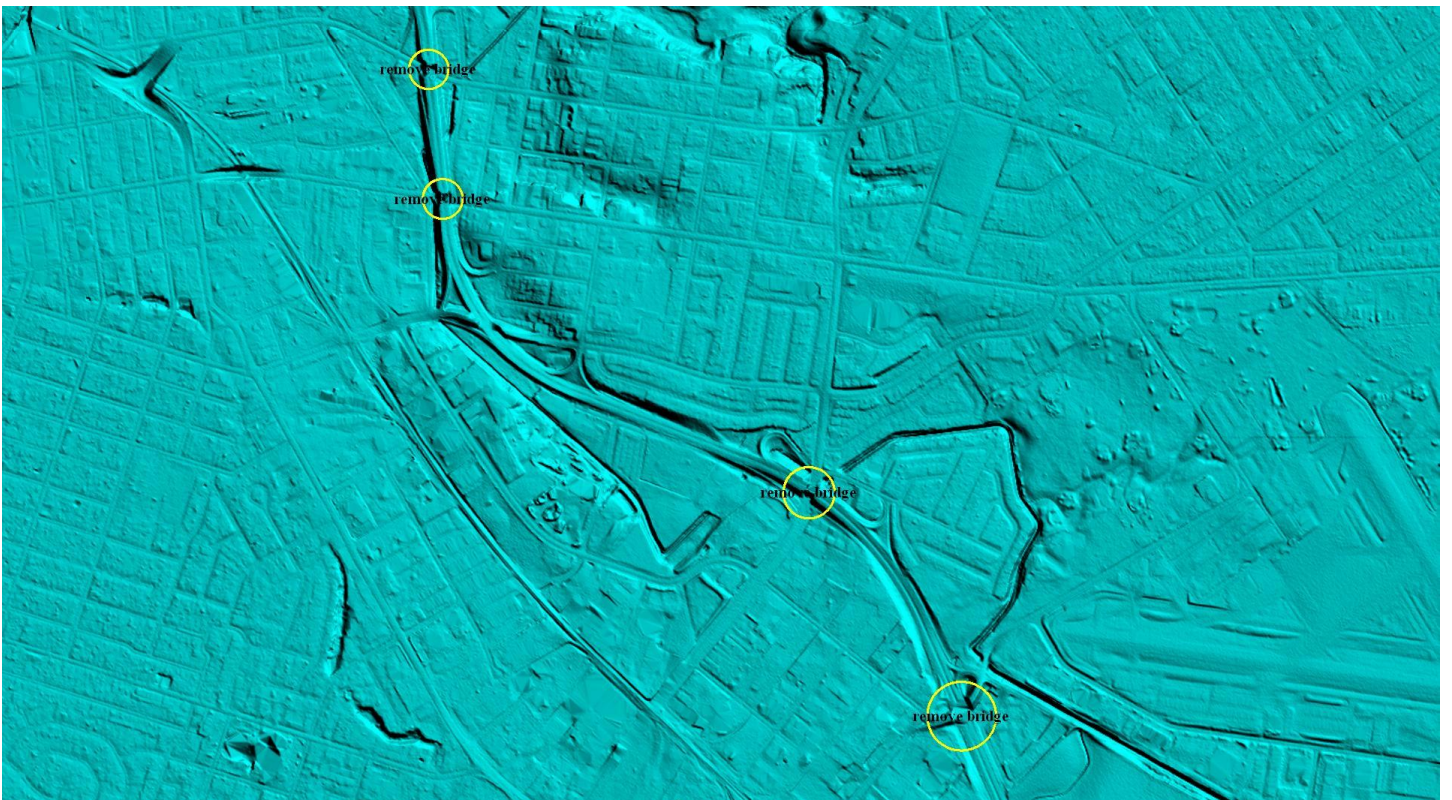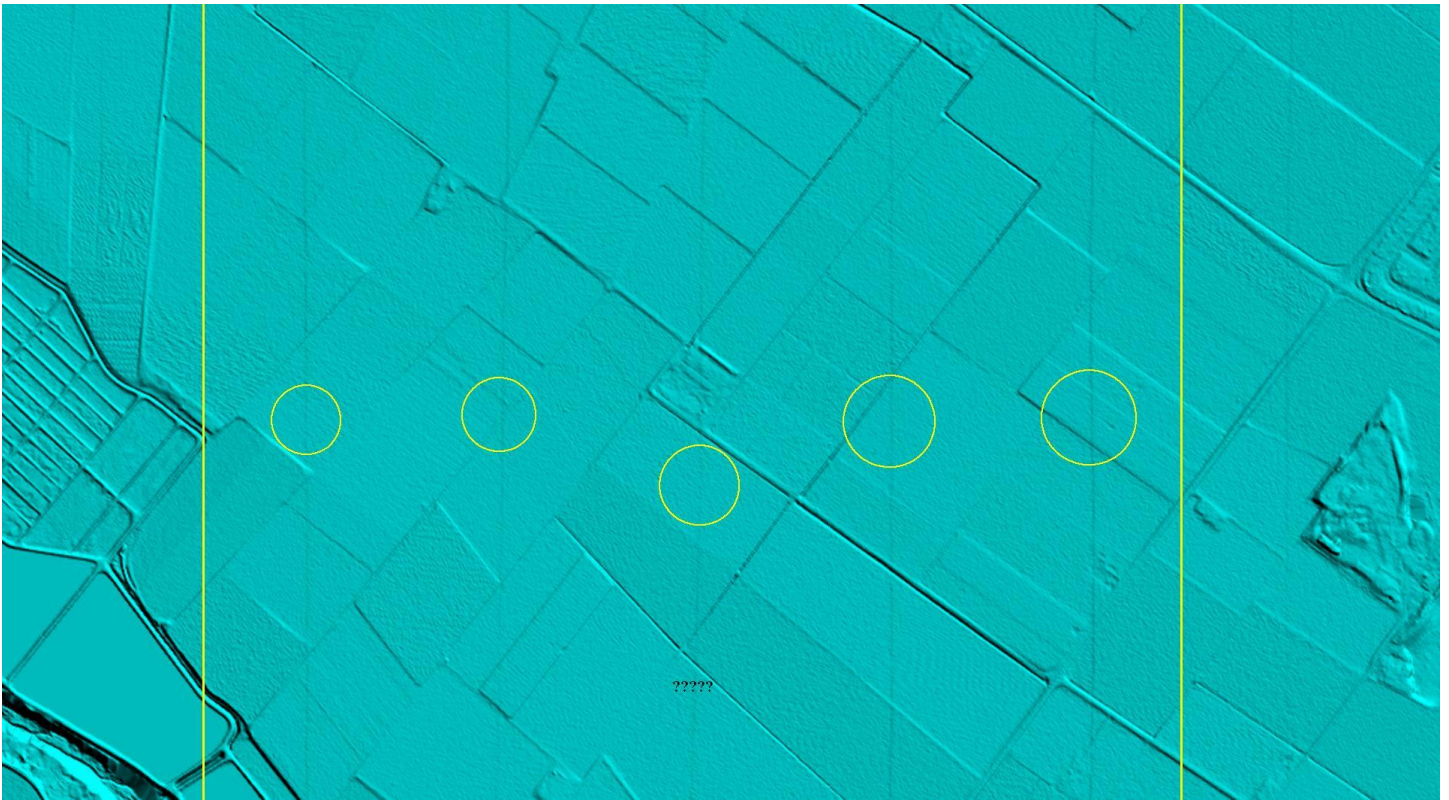
Spiking down example
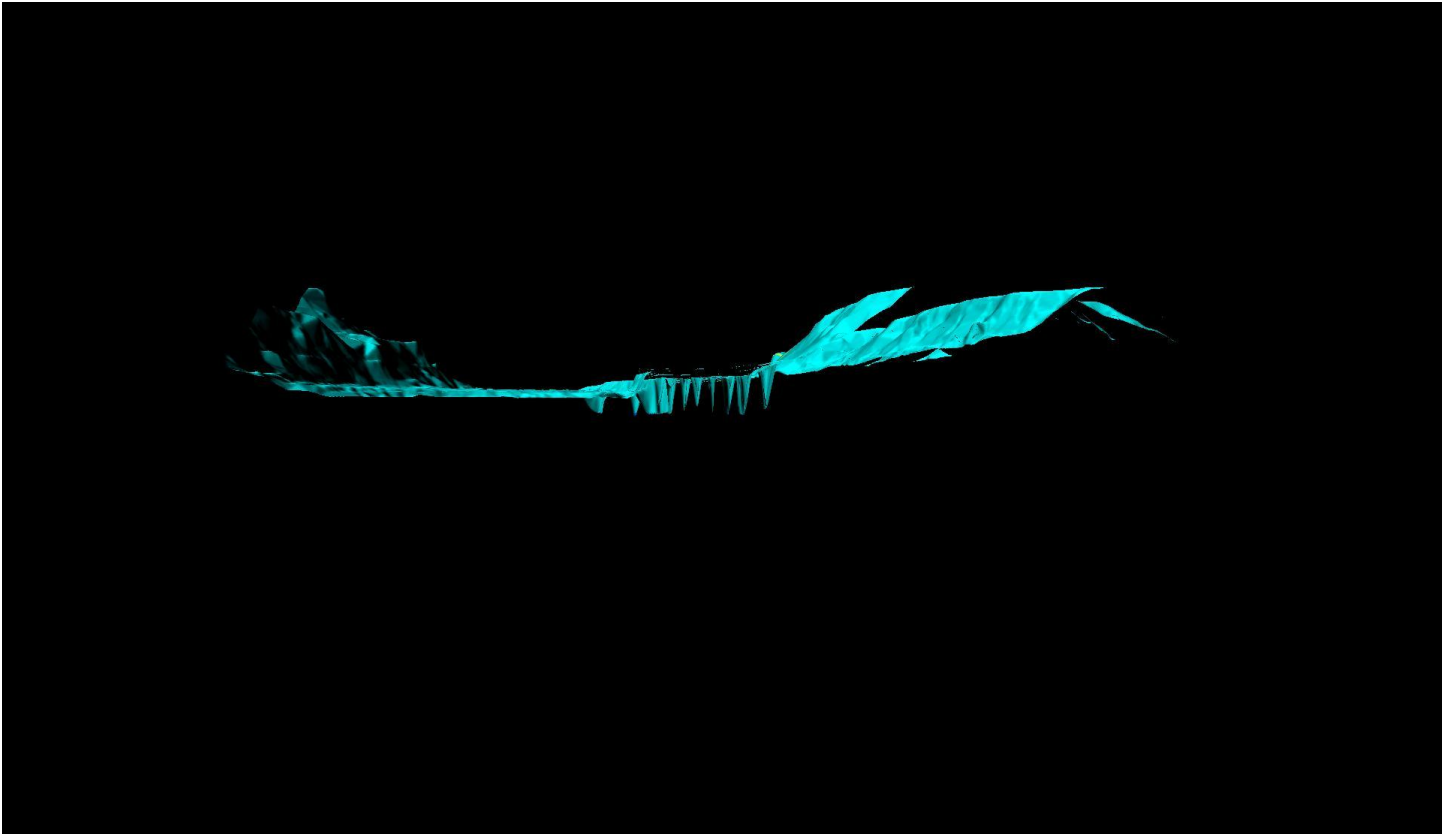
Spiking up
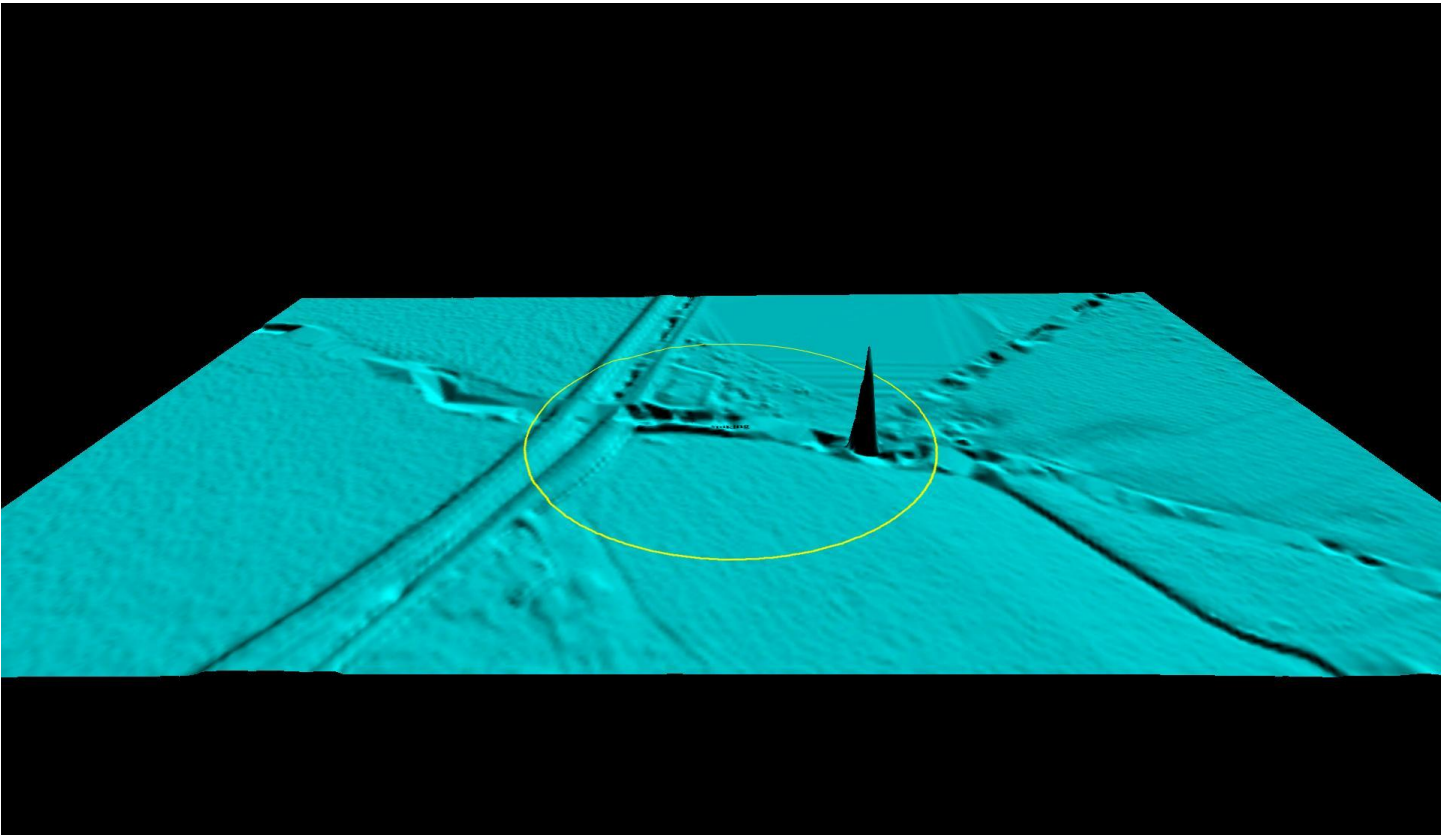
Remove bridges example
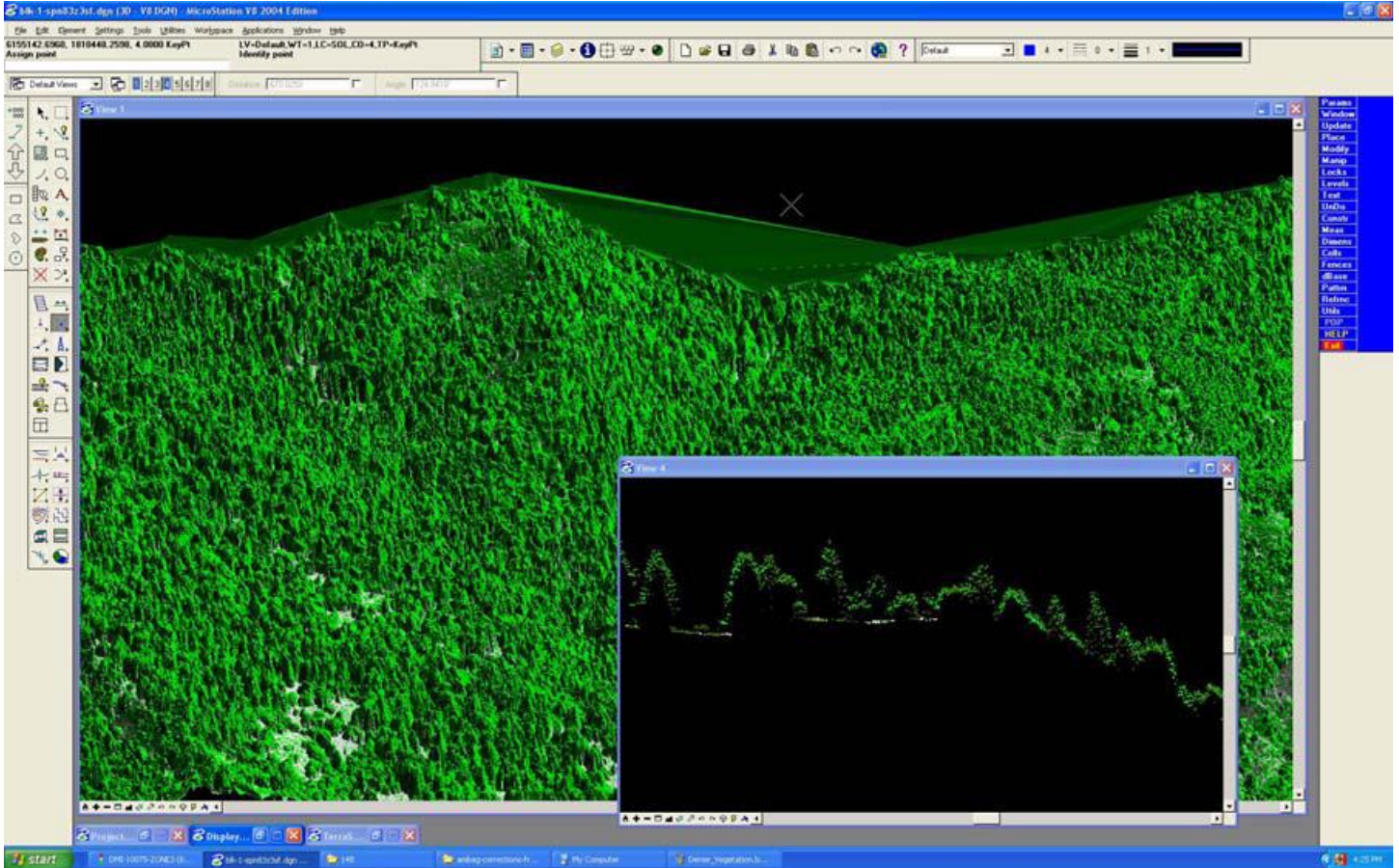
ALL BRIDGES REMOVED

Not sure what these lines are zone 4 example
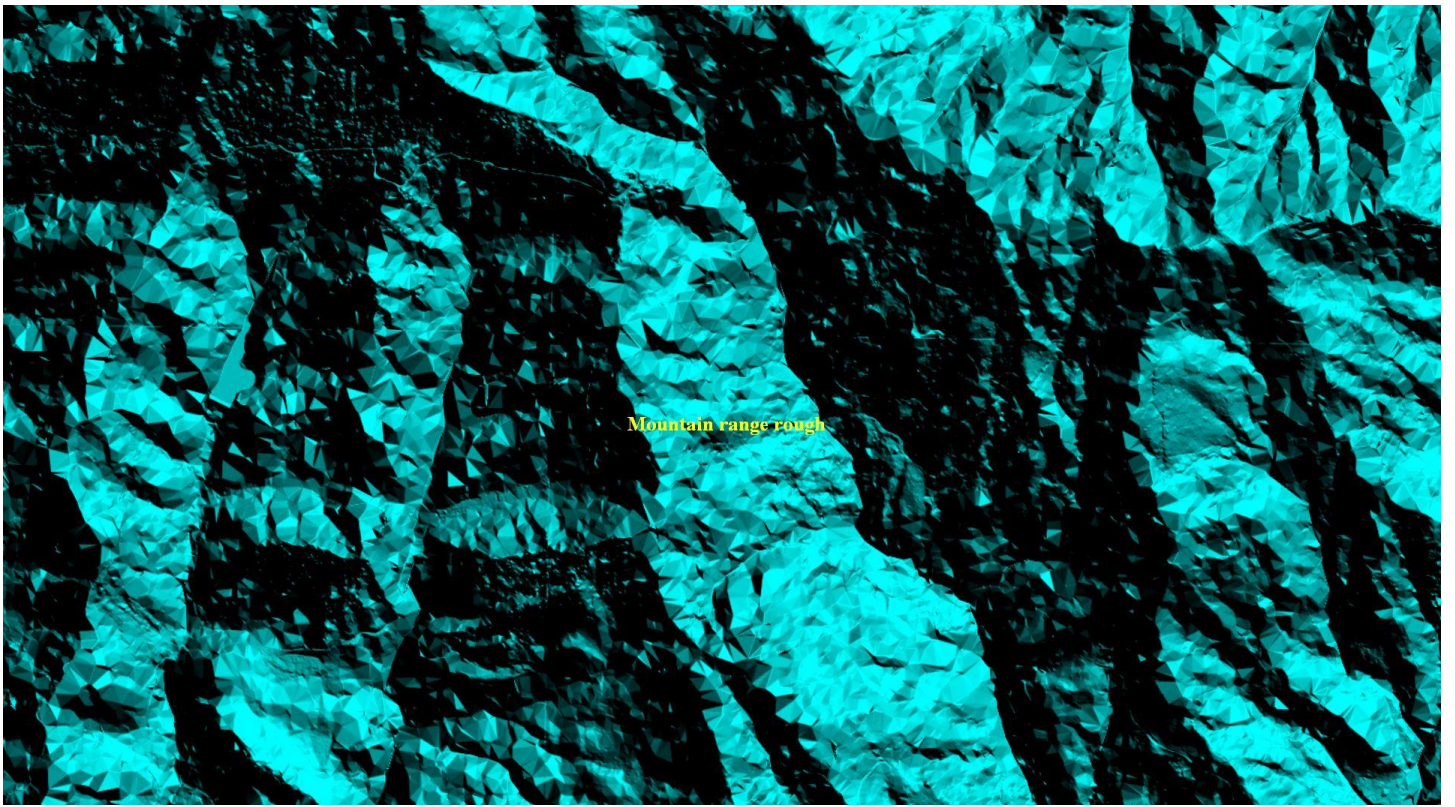
IT IS FLIGHT TIE LINE AND MEET ELEVATIONTHE ACCURACY
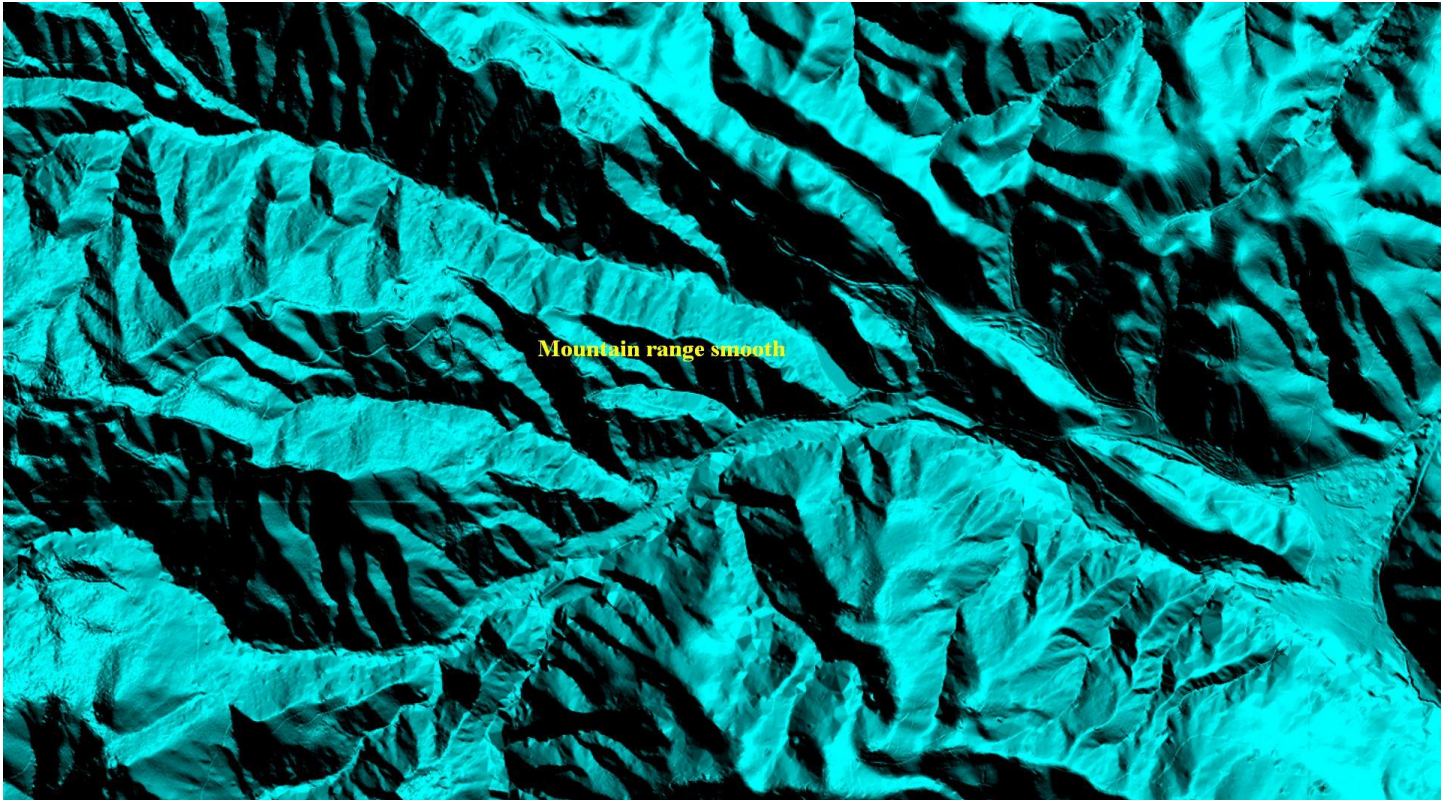
Mountain range (quilting) throughout <mark>zone 3</mark> does not match <mark>zone 4</mark> example

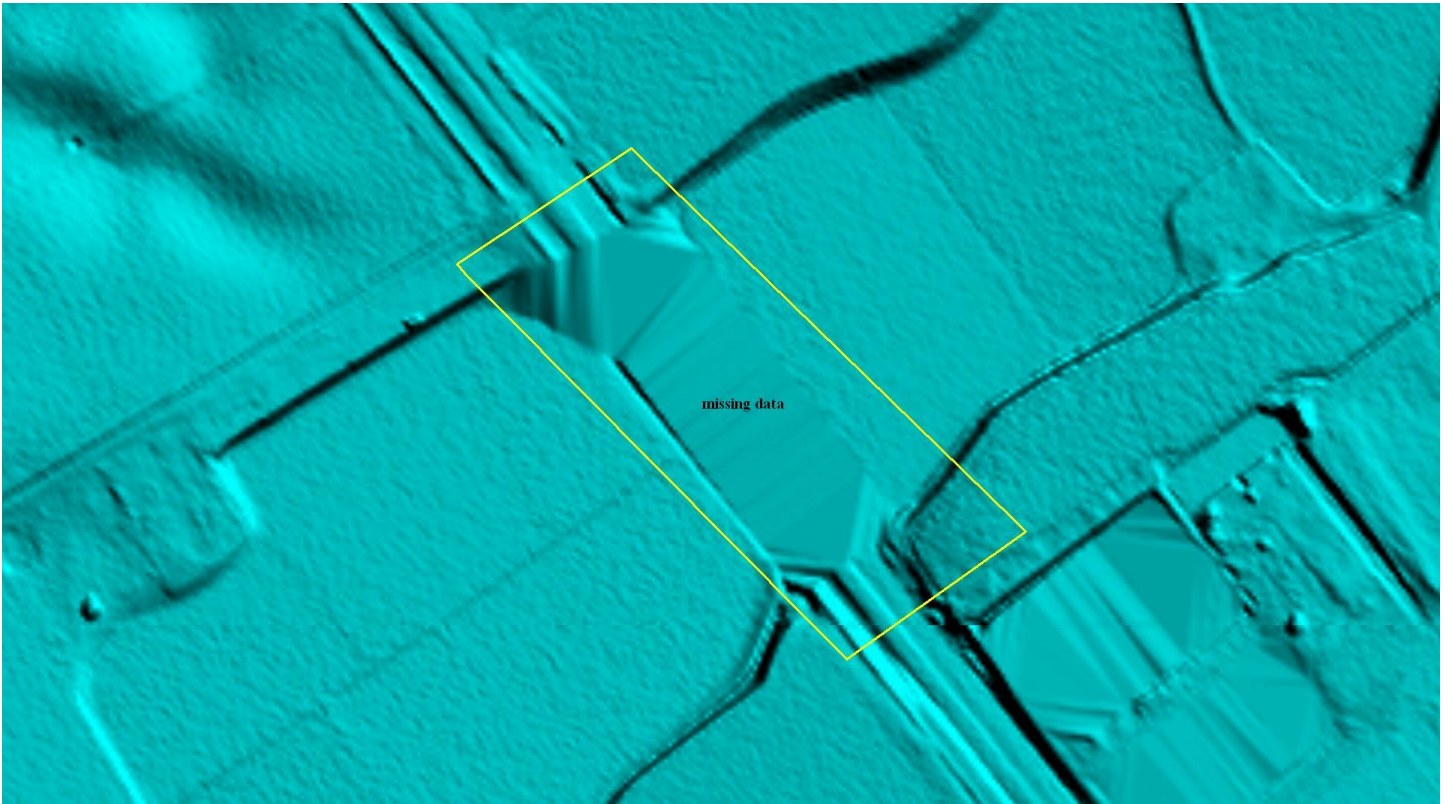## LIDAR DATA DIDN'T PANETRAIT THE GROUND BECOUSE DENSE HIGH TREES. ZONE-3 HAS MORE DENSE TREES THAN ZONE-4

Mountain range rough

Mountain range zone 4 (smooth) this is good

Mountain range smooth

Missing data example

FIXED THE MISSING DATA

Area leveled but not water

FIXED WATER ELEVATION LEVELED.

Area leveled not water