

Visiting of Wetlands International Camp on 10.10.2010 and LiDAR- Ortho-Photo- and Aerial-Data from 05.08.2007

by
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Airborne Laser Scanner

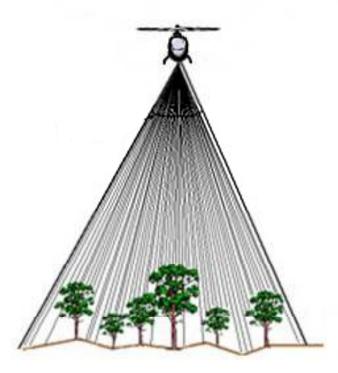




ALS = Airborne Laser Scanning = LiDAR

Airborne Laser Scanner

Tree Height Measurement with First (FE), Medium and Last Laser Echo (LE) or with Full Waveform Digitization;



remote sensing of kalimantan

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100,000 Laser Pulses per sec or 360.000.000 Laser Pulses per h





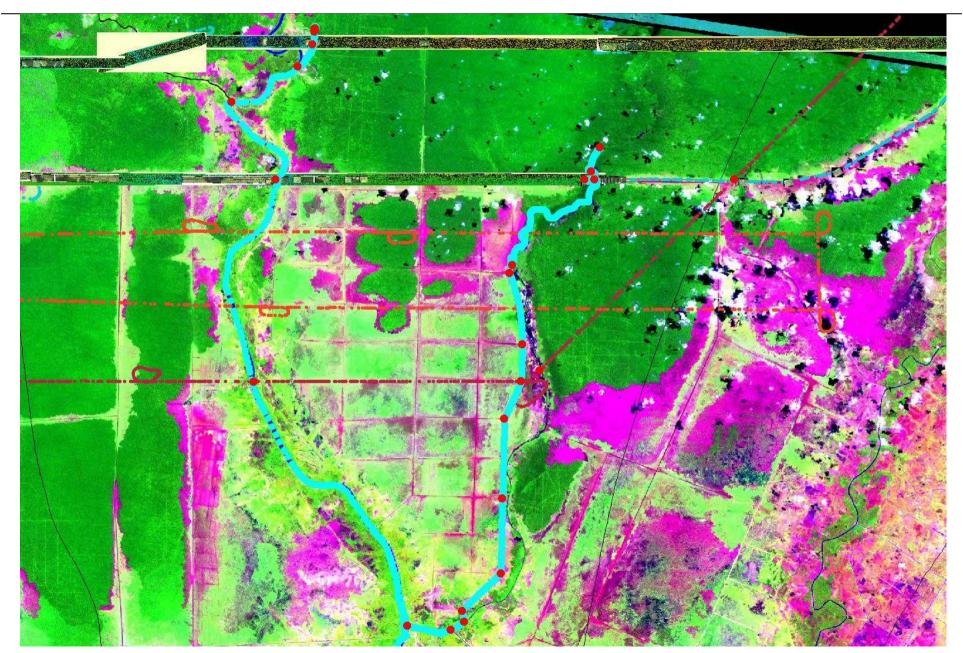
KALTENGCONSULTANTS Aerial Photos from Ex-MRP: Main channel at Kapuas and main canal with WI-camp blocking by dams, right





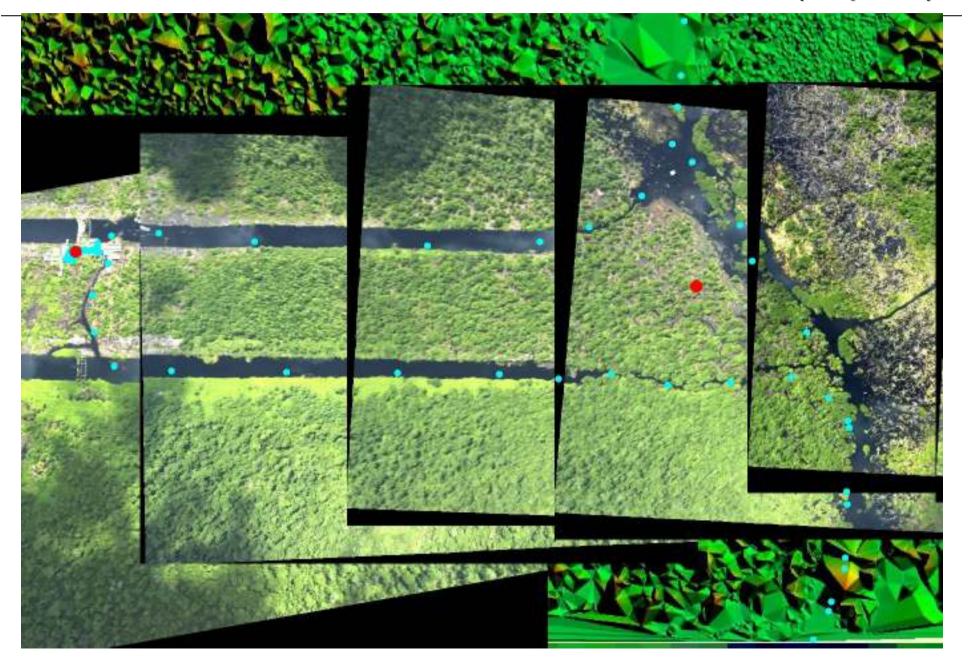
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Landsat image from 5.8.2007 with LiDAR-Tracks at same day and GPS-boat-track from 9.+10.10.2010





Ortho-Photos from 5.8.2007 on LiDAR-Track and GPS-boat-track from 10.10.2010 (turquoise)





Ortho-Photo from 5.8.2007 and GPS-boat-track from 10.10.2010 (turquoise)





LiDAR-DSM-Data from 5.8.2007 with Mentangai and GPS-boat-track from 10.10.2010 (turquoise)

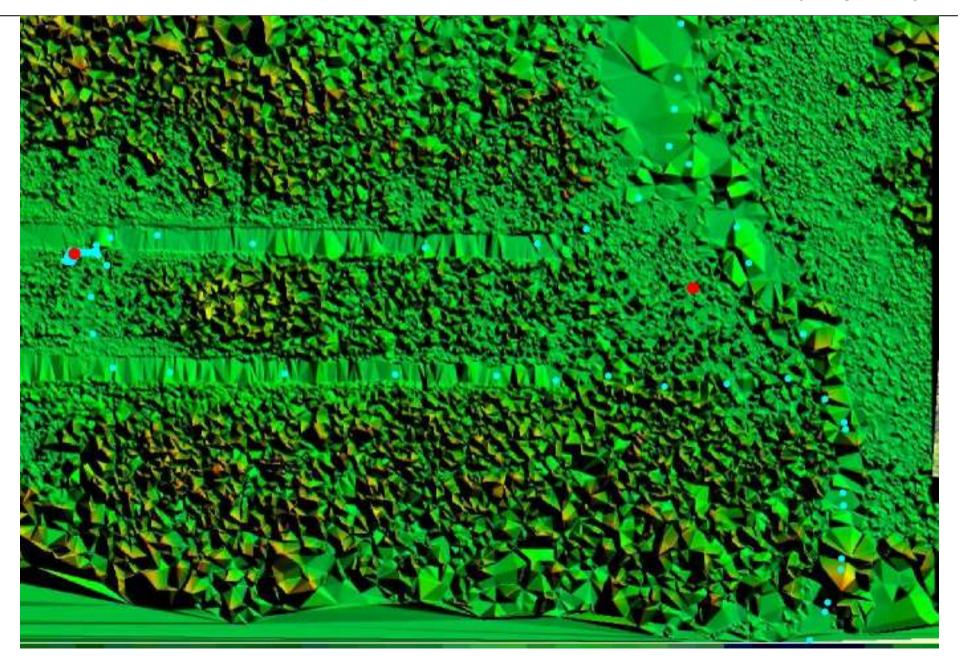




Photo of WI-Southern Channel taken on 10.10.2010





Photo of WI-Nursery taken on 10.10.2010

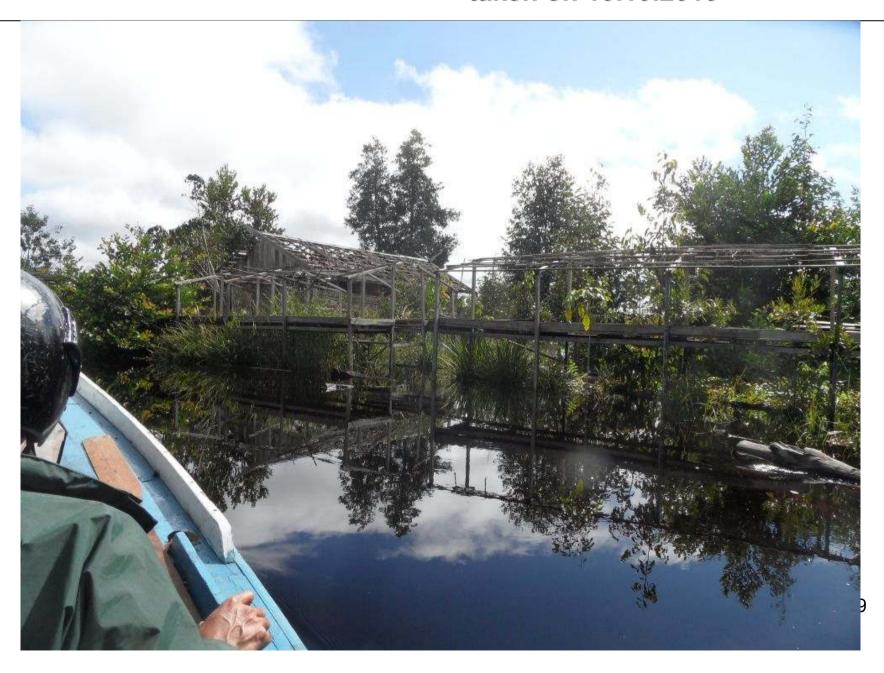




Photo of WI-Northern Channel taken on 10.10.2010





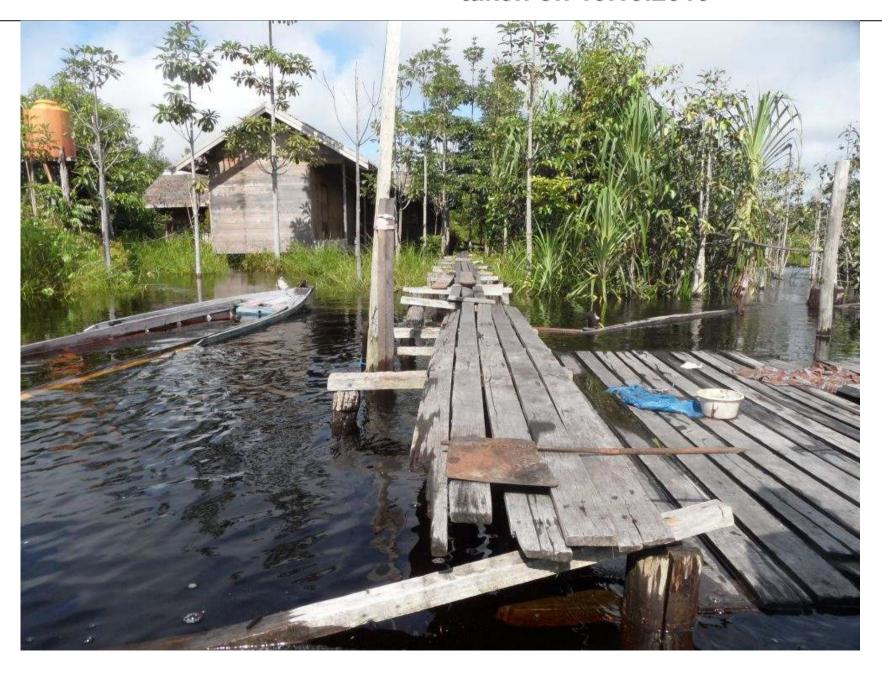




Photo of WI-Camp with nursery taken on 10.10.2010

















Photo of WI-Camp with trees taken on 10.10.2010





Photo of WI-Camp with trees taken on 10.10.2010

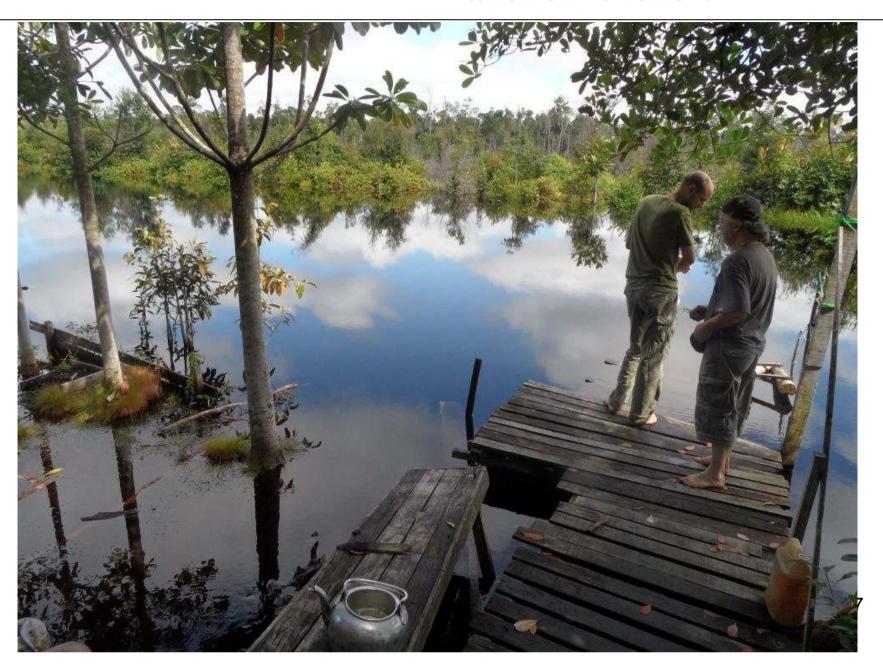






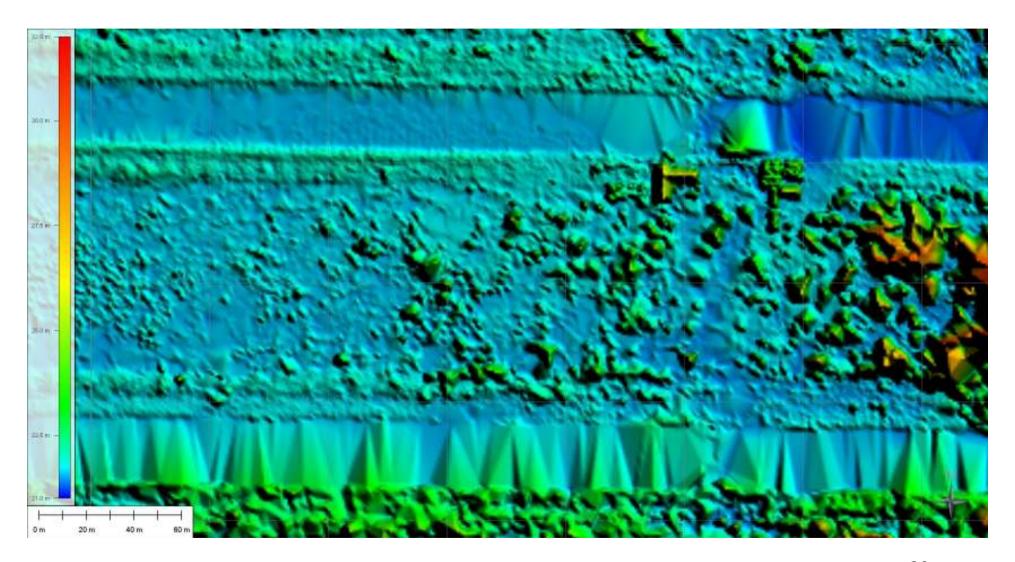


Photo of main channel near WI-Camp taken on 10.10.2010



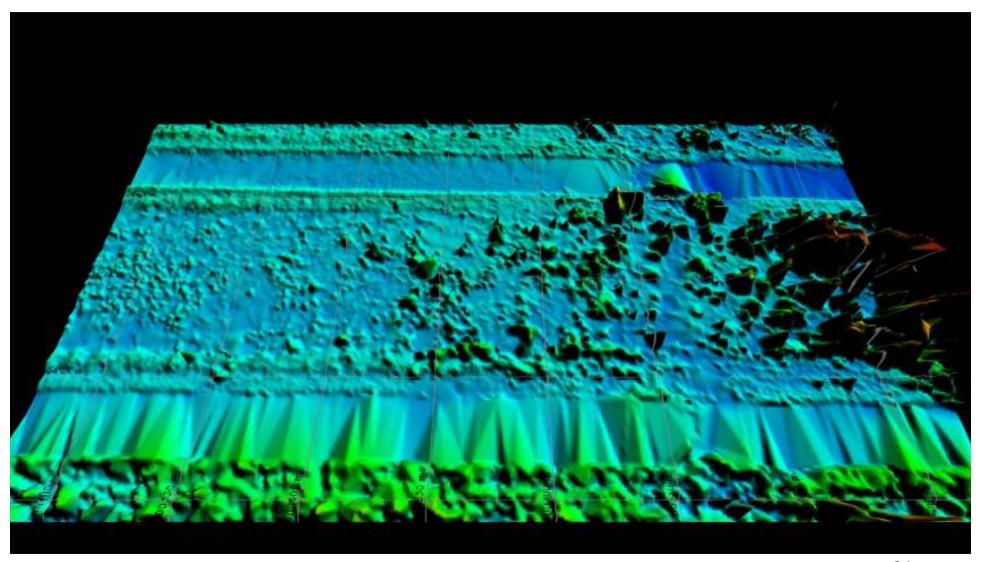


LiDAR-DSM of main channel at WI-Camp from 05.08.2007



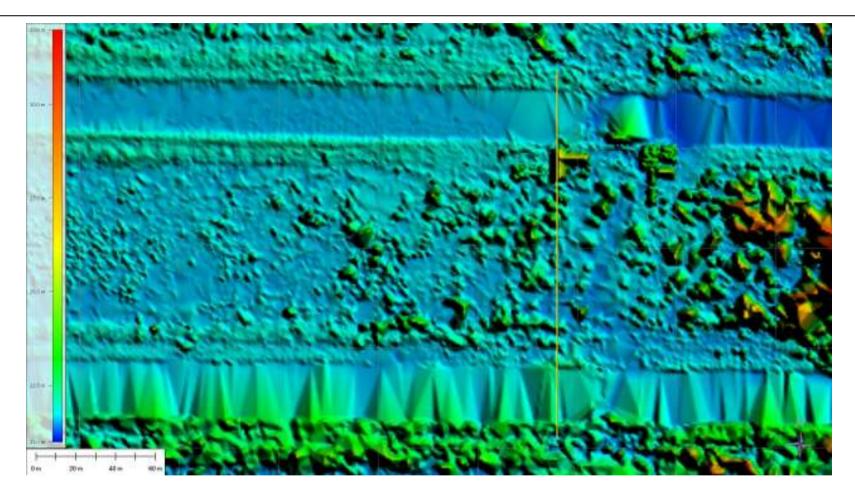


LiDAR-DSM-3D of main channel at WI-Camp from 05.08.2007

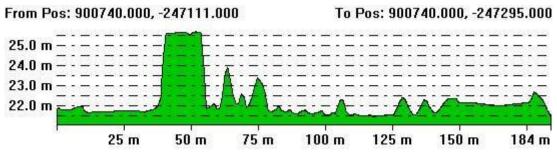




LiDAR-DSM of main channel at WI-Camp from 05.08.2007

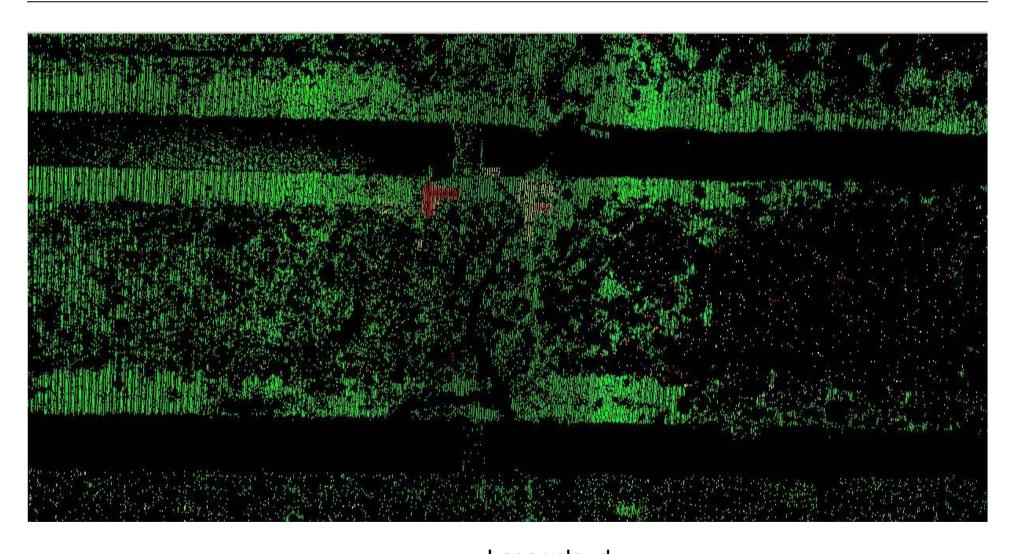


Profile of Channels and WI-camp





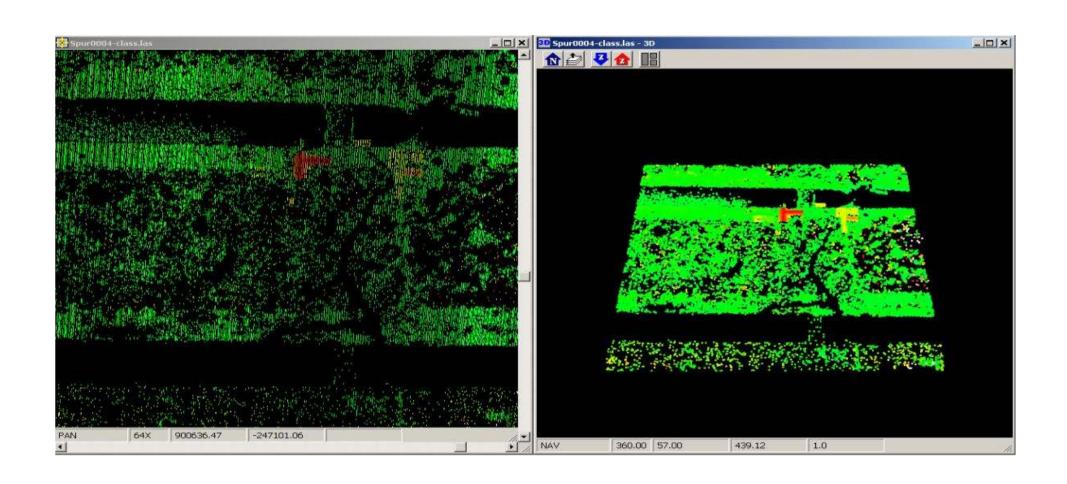
LiDAR-DSM-LAS of main channel at WI-Camp from 05.08.2007



Laser cloud
Colours showing the elevation of the objects



LiDAR-DSM-LAS of main channel at WI-Camp from 05.08.2007



Laser cloud, right in 3D-presentation
Colours showing the elevation of the objects



Summary

- The LiDAR-Data, Ortho- and Aerial-Photos were taken on 5.8.2007
- The Wetlands International Camp in the frame of CKPP was finished in 2007/2008
- In Aug. + Sept. 2009 strong fires came close to the WI-Camp
- 2010 is a "La Nina"-year with a lot of water and nearly no dry season
- on 10.10.2010 the black water goes over the WI-dams to the Mentangai river, the water level was on the 10.10.2010 approx. 1m to 2m higher as normal in this time of the year

