

DigitalGlobe Monetising Modern Land Management with High res satellite imagery



DigitalGlobe Proprietary and Business Confidential



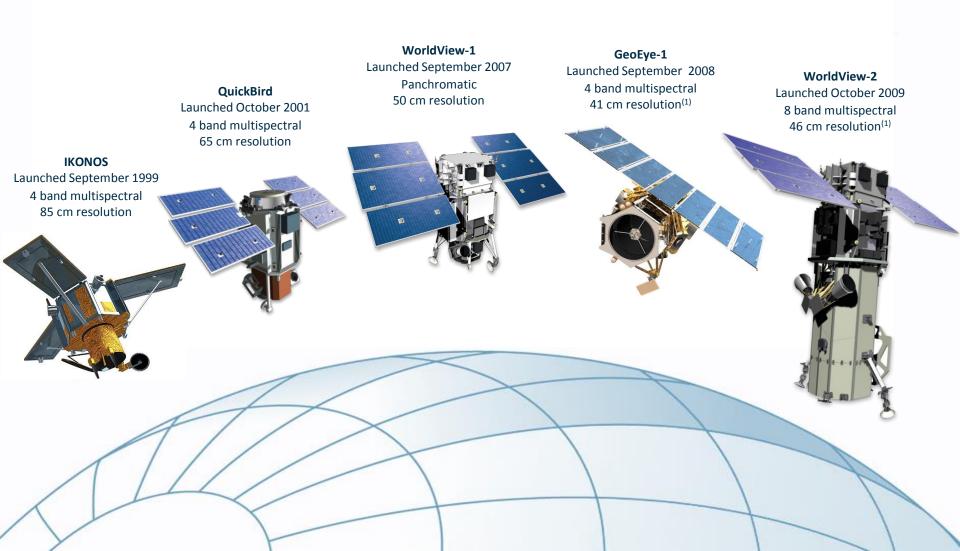
Hybrid Methodology – Survey + Hires

- Advantages of High Resolution Imagery
 - Lower cost vis-à-vis aerial
 - Readily available
 - No permissions required
 - Higher area coverage
 - Accuracy: Advancements in imaging technology (CMGs)
 - Use only for reference purposes
 - Georeferenced
 - True north oriented
- Augment with Ground Survey
 - Focus only on problematic parcels
 - 80% of land parcels are OK
 - Only 20% have issues
- Hybrid methodology
 - Lower cost
 - Quickly resolve issues
 - Pilot projects with other methodologies have failed
 - Hybrid methodology pilots have given very good results

2/28/2014



The Current DigitalGlobe Constellation

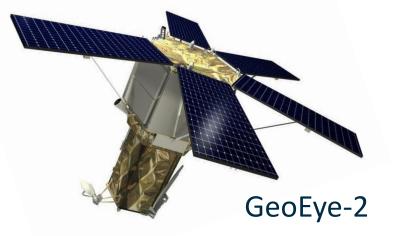




Upcoming DigitalGlobe Constellation Additions

WorldView-3

16 band multispectral 31 cm resolution⁽¹⁾



4 band multispectral 34 cm resolution⁽¹⁾



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Area of the Numbered Parcels (approx.)

- 1. 0.657 Hectares
- 2. 0.402 Hectares
- 3. 0.391 Hectares
- 4. 0.736 Hectares

Area Marked in the Inset



February 28, 2014

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Dimensions of the Parcels IC

ACCURACY : Haryana, Orissa, Konkan,NDVA, NHAI, RITES, Maharashtra, Delhi, RAPDRP, West Bengal

- Control Points has been collected at 4X4 Km grid.
- Few controls points has been used for triangulation.
- Few points has been used as check points for accuracy check.
- One AOI which is approximately of 8K Sq Km was processed as one block.
- The accuracy achieved was
 - X = 0.22 Mts
 - Y = 0.26 Mts
 - Z = 0.46 Mts
- Additional checking was done using stereo visualization.
- Further check was done by identifying few parcels on orthorectified Imagery and measured the distance in all four directions and diagonally by GIS tools and measured the same on the ground which are with the limit of < 5%.



ArcGIS Online Premium Services





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