### INTRODUCTION TO KADOORIE FARM & BOTANIC GARDEN (KFBG) GIS DATA MODEL

By Alfred Lam Senior Officer of Flora Department Kadoorie Farm & Botanic Garden 30<sup>th</sup> Sept, 2011.

#### 1 Background

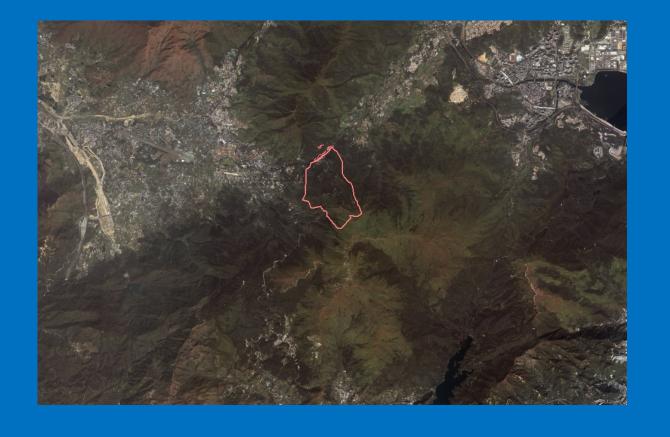
2 KFBG GIS Data Model

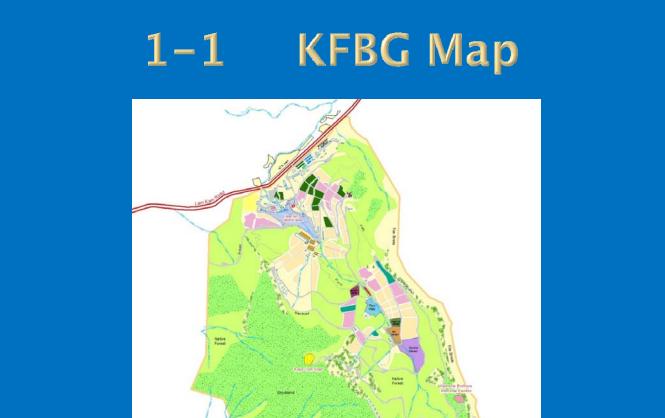
#### 3 Applications

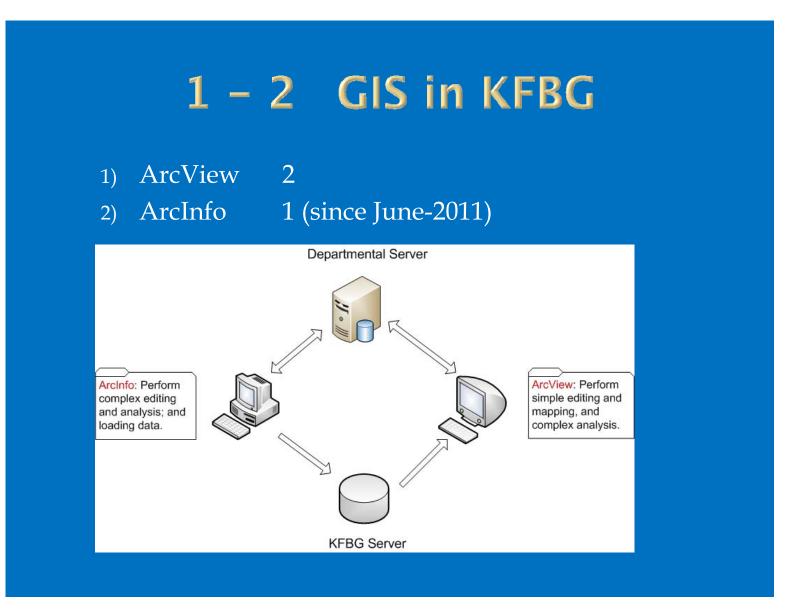
- 3-1 CAD integration in seed growing area
- 3-2 SLA Management with relationship class
- 3-3 Raster Management
- 3-4 Collection of canopy reflectance data



## 1–1 **KFBG Location**

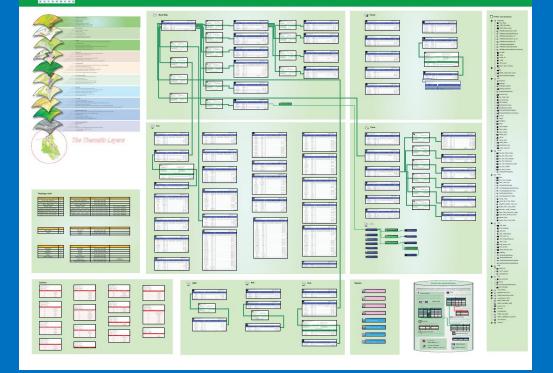




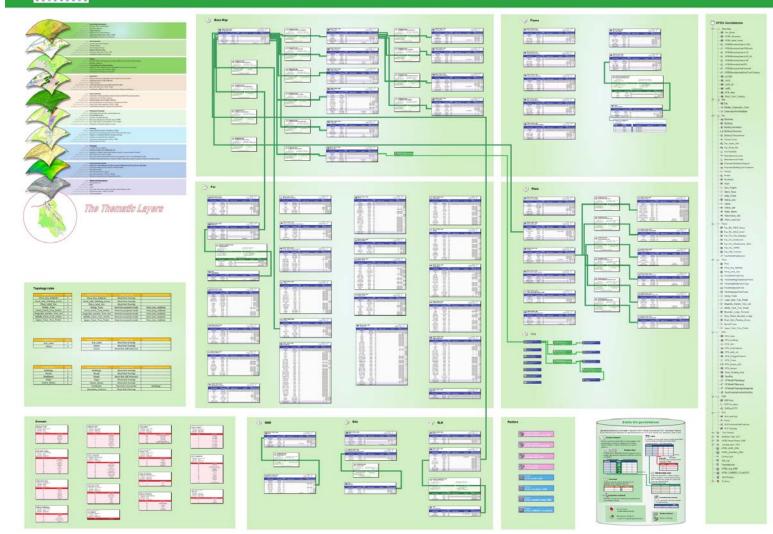


## 2 **KFBG GIS Data Model**

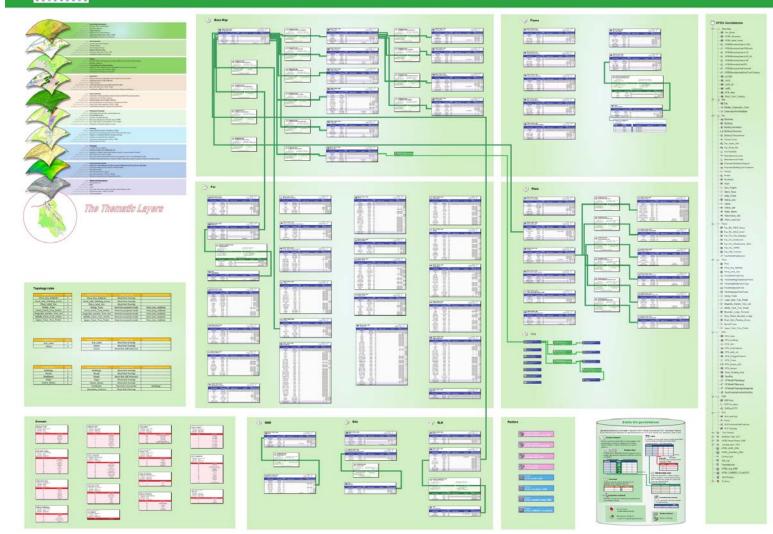
#### KADOORIE FARM & BOTANIC GARDEN GIS DATA MODEL 2011

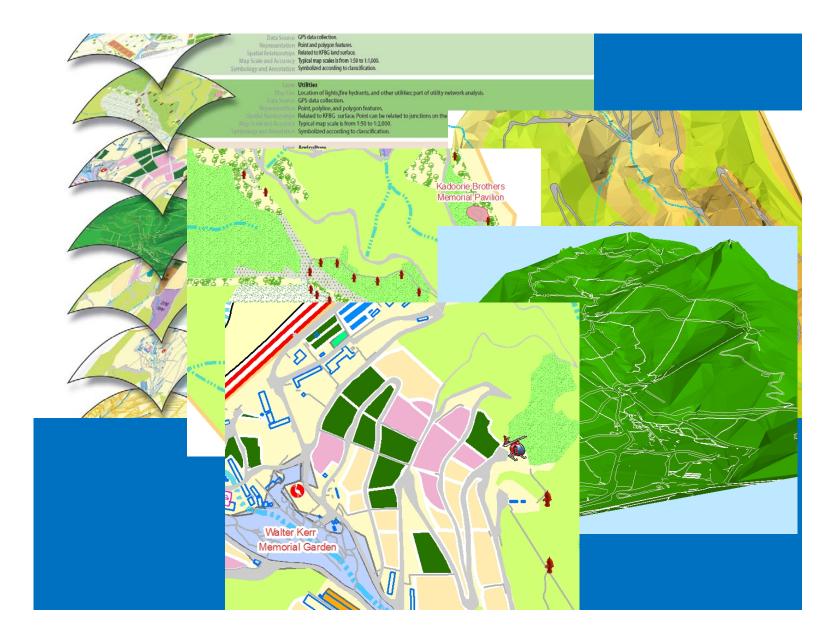


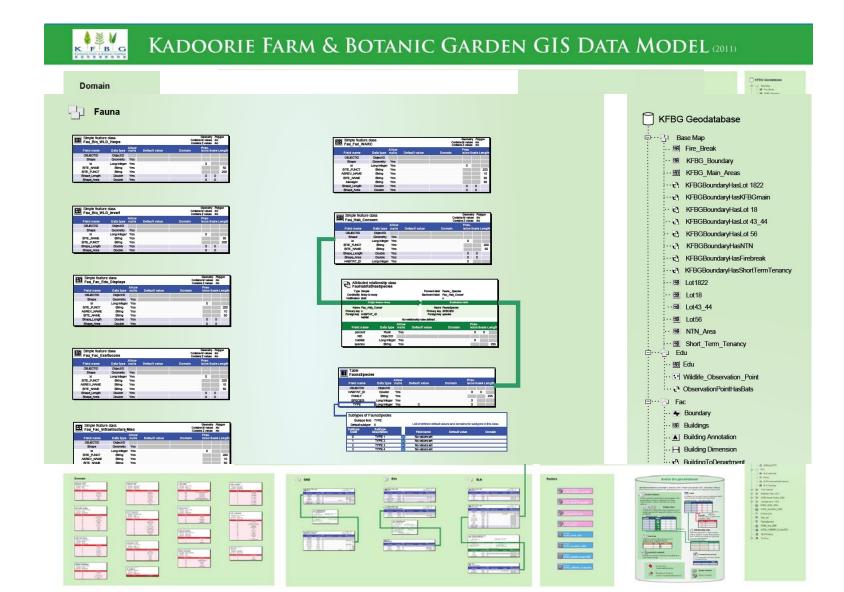
### KADOORIE FARM & BOTANIC GARDEN GIS DATA MODEL (2011)



### KADOORIE FARM & BOTANIC GARDEN GIS DATA MODEL (2011)

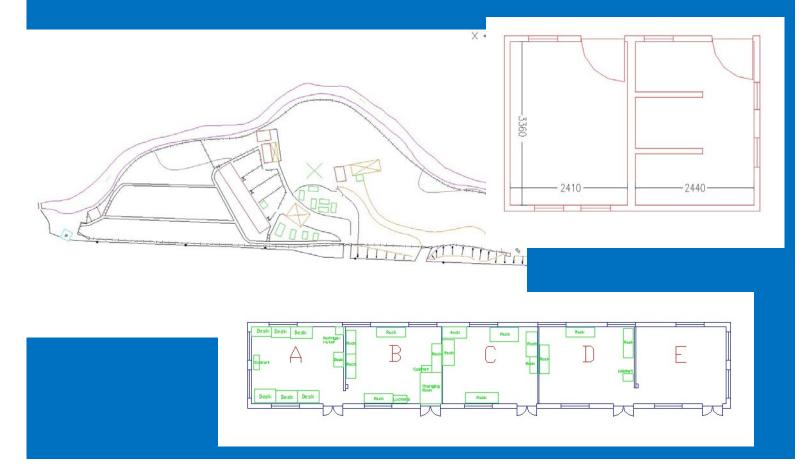






# Applications

## **3-1 CAD File Integration**

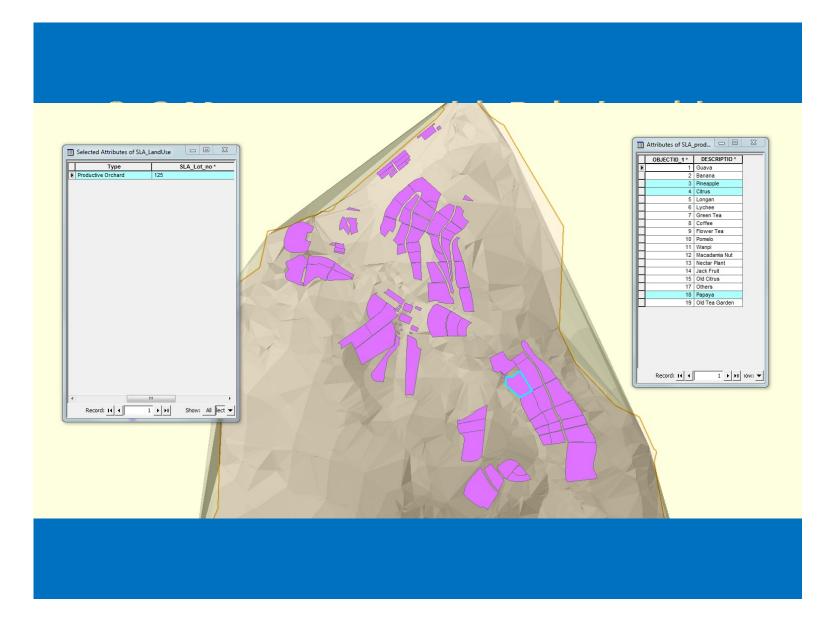


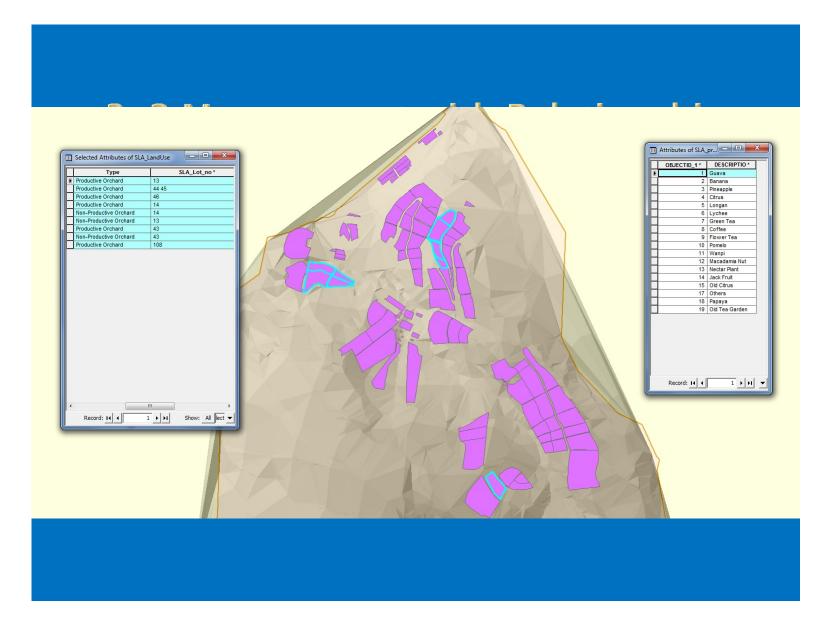


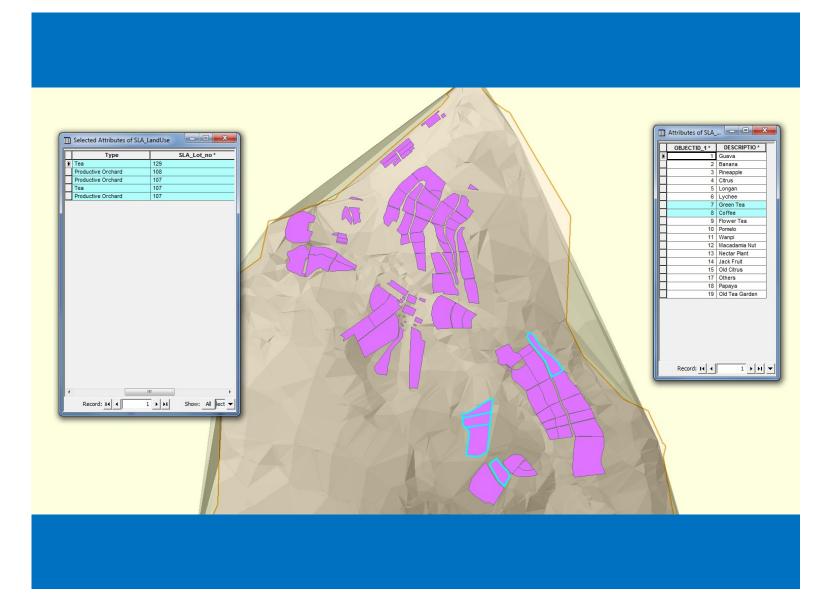


### 3-2 Management with Relationship Class

Field name Data type nullis Default value Domain telo OBJECTD ObjectD SWVFE Geometry Yes Type Siting Yes Type, Siting Yes	Z values Ac Proo- Iclom Soale	eo- Ion Soale I
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TypeString Yes NameString Yes Terrace_Type String Yes Shape_Length Double Yes 0	0 0	0 0
Type, Strag Yes Anar, Robert Yes Anar, R	0 0	0 0
Type, Brief Yes Barry Hannes	0 0	0 0
Terra- Series ves series serie	0 0	0 0
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Torta	0 0	0 0
Trick. Bots vis  Trick Start Vis  Bener, Levis  Bener, Lev	0 0	0 0
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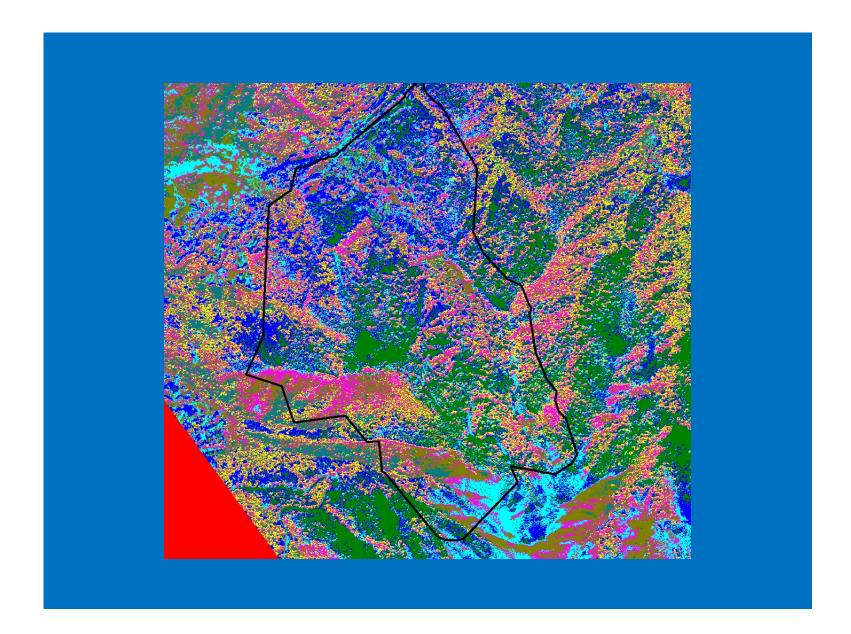




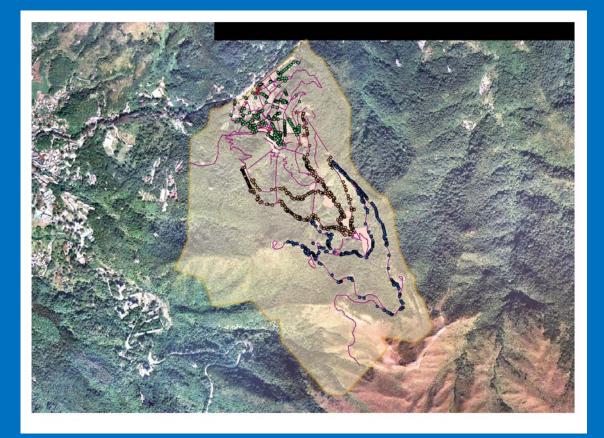
## 3-3 Raster Management

Rasters	
Rester Catalog KFBG Aesthetic View 2011	
Raster Catalog	
Raster Catalog Landsat since 1972	
Raster Catalog	
Raster KFBC_HK80_2004	
Raster KFBG_Quickbird_2009	
KFBG_Satellite Image 2008	
Raster KFBG_CW85853_01 Jan 2010	

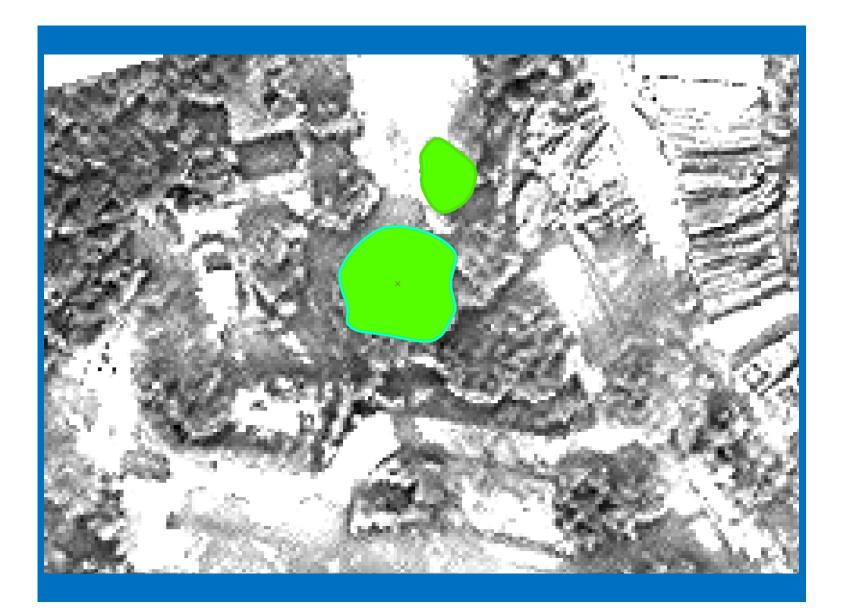


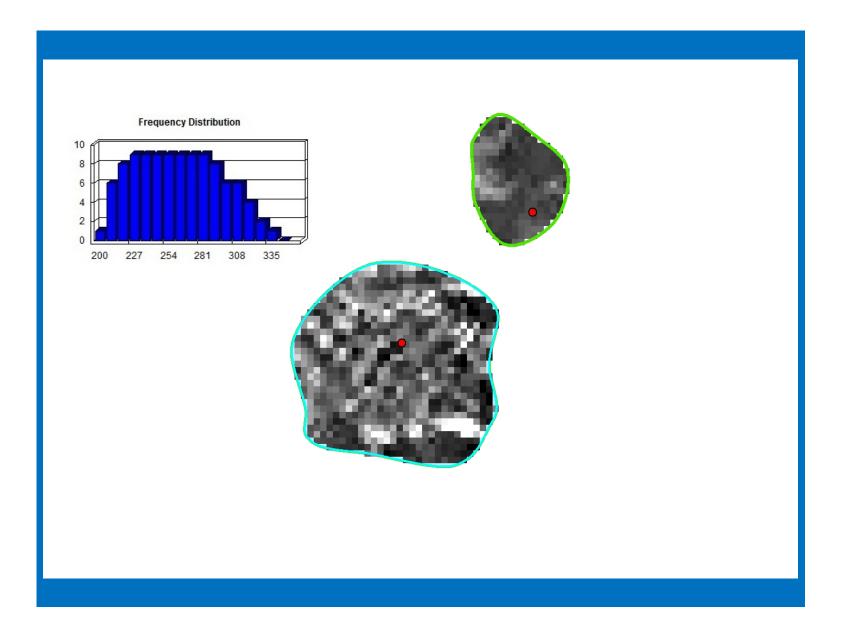


### 3-4 Collection of Canopy Reflectance Data









## Thank You!