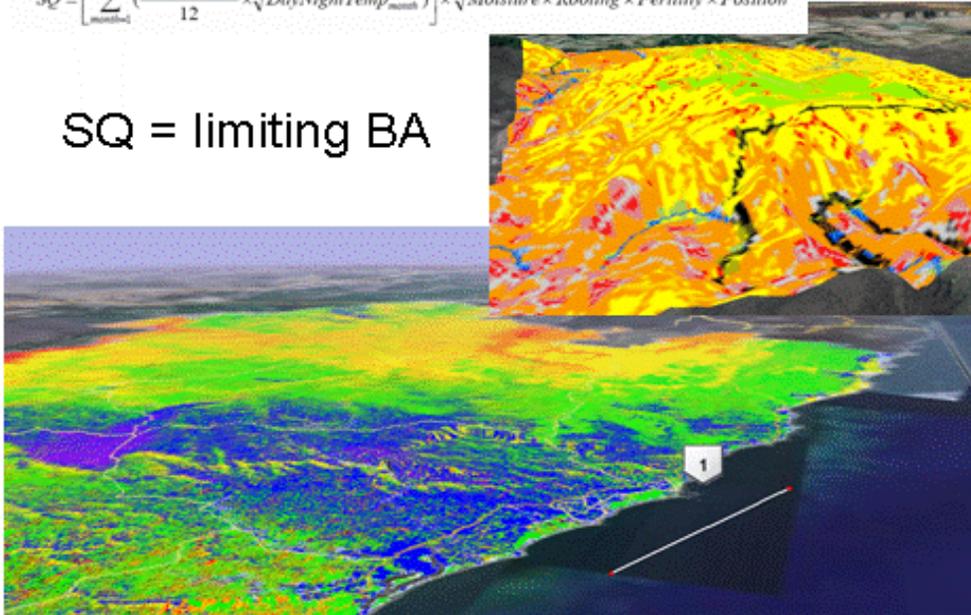




Site Quality Index (asymptotal Basal Area for mature forest in optimal silvicultural state) is calculated as

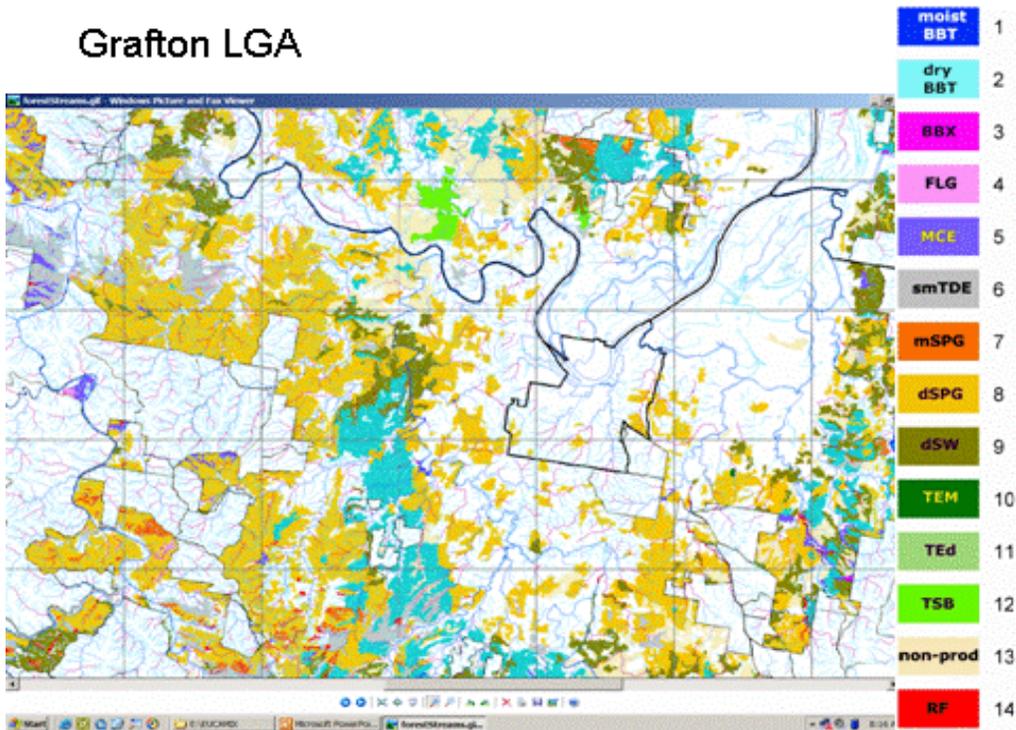
$$SQ = \left[\sum_{\text{months}}^{12} \left(\frac{\text{RainSol}_{\text{month}}}{12} \times \sqrt{\text{DayNightTemp}_{\text{month}}} \right) \right] \times \sqrt{\text{Moisture} \times \text{Rooting} \times \text{Fertility} \times \text{Position}}$$

SQ = limiting BA



Forest site quality mapping in north-eastern NSW :
25m resolution overlaid on Google Earth with 3D terrain

Grafton LGA



Forest type and Stream Order mapping around Grafton NSW

Property scale forest & farm planning
eg plantation location (crimson) overlay on site quality & cadastral base mapping
can be zoomed and rotated etc for 3D viewing on basic computer with no special requirements

