

Scale: 1:15,000
 Datum: GDA94
 Projection: MGA
 Map Sheets:
 1:25,000 Eungai 9436-2N
 1:100,000 Macksville 9436
 Contour Interval: 10m

Harvest Plan Operational Map

Compartments 35, 36, 37, 38 & 39

Ingalba State Forest

Central Region - Kempsey Management Area

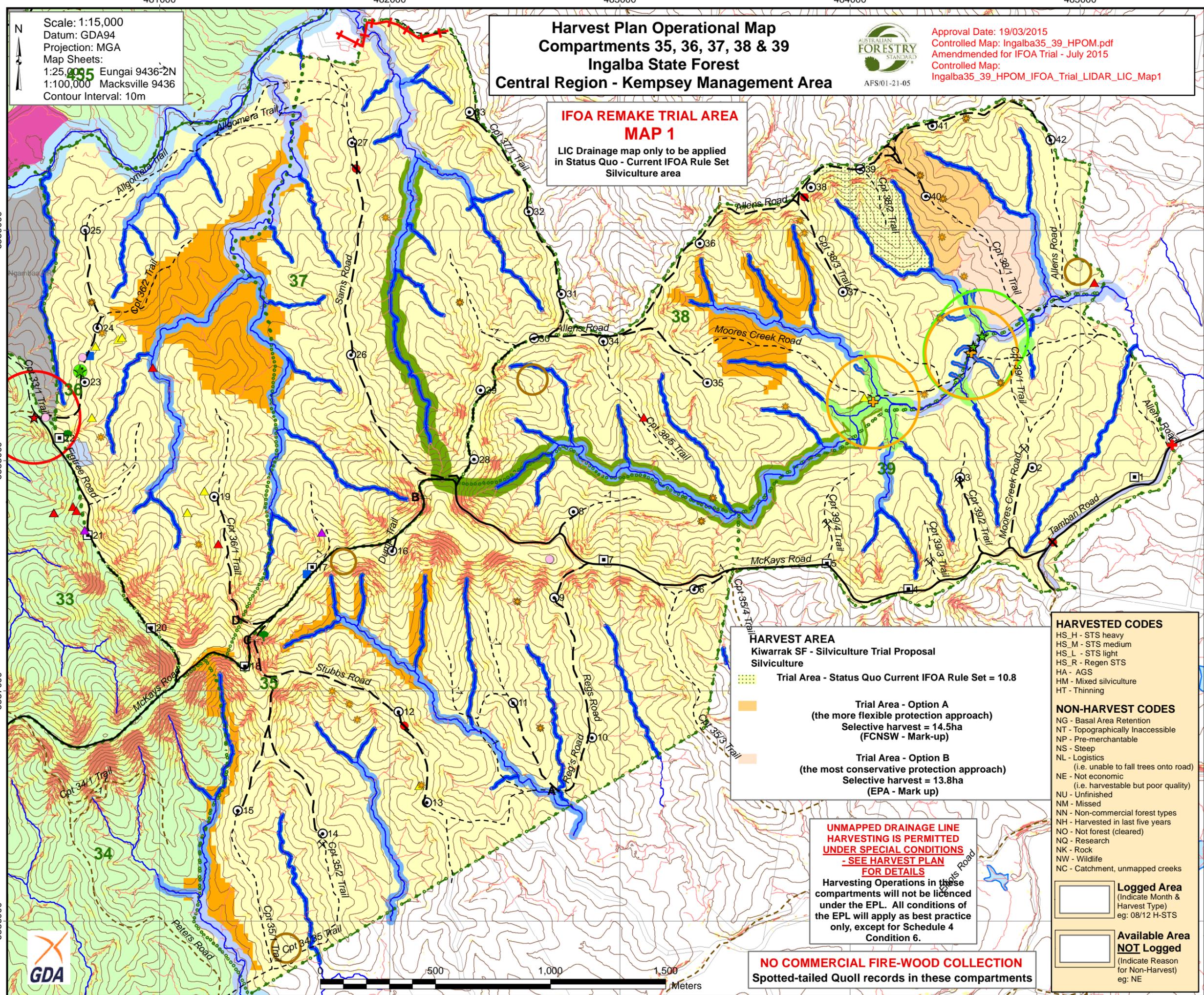


Approval Date: 19/03/2015
 Controlled Map: Ingalba35_39_HPOM.pdf
 Amended for IFOA Trial - July 2015
 Controlled Map:
 Ingalba35_39_HPOM_IFOA_Trial_LIDAR_LIC_Map1



Prepared by: Sarah Gormley
 Date: 19 March 2015
 Updated for IFOA Trial
 B.Bailey July 2015

IFOA REMAKE TRIAL AREA
MAP 1
 LIC Drainage map only to be applied
 in Status Quo - Current IFOA Rule Set
 Silviculture area



- ### MAP FEATURES
- State Forest Boundary
 - Compartments Boundary
 - 1 Km Grid
 - 10m Contour (LiDAR derived)
 - State Forest
 - Private Property/Cadastre boundary
 - Slopes >30° Indicative (LiDAR)
 - Slopes 25-30° Indicative (LiDAR)
 - Emergency Meeting Point
 - Dangerous tree location
 - Water Bodies
 - Elite/Plus Tree
 - Previous Mining Site - do not damage
 - Approximate location Telstra cable
 - Road Reserve (Tamban Road)
 - Dispersible soils

- ### ROADS, DUMPS & CROSSINGS
- Wet weather, unsealed
 - Dry weather, unsealed
 - Not to be used for haulage
 - Roads outside harvest area
 - Dry weather dump
 - Wet weather dump
 - Approved Crossing

- ### HARVEST AREA & EXCLUSION ZONES
- (Inherent Hazard Class 1 - cpt 39 & Inherent Hazard Class 2 - cpts 35-38)
- Harvest Area**
- General Management (FMZ 4 and 8)

- ### Exclusions
- National Park Estate
 - Research Trial
 - Dam - 10 buffer

- ### Modified Harvest Area
- (See Harvest Plan for details)
- ### 4 Bar Exclusions
- Rainforest - Crafti + RN17
- ### 3 Bar Limited Felling
- High Conservation Value Old Growth
 - Ridge & Headwater Habitat (80m wide exclusion)

- ### Drainage features
- Spatially corrected LIC drainage (LiDAR)
- Drainage line (5m Operational Zone)
 - 1st Order (Protection 10m)
 - 2nd Order (Protection 20m)
 - 3rd Order (Protection 30m)
 - 4th order & above (Protection 50m)

- ### Threatened Species Records
- Records requiring prescription
- Green-thighed Frog - *Litoria brevipalmata* - 30m exclusion
 - Giant Barred Frog - *Mixophyes iteratus* - 30m wide exclusion on both sides of all streams within 200m, and no UMDL logging within 200m
 - Golden-tipped Bat - *Kerivoula papuensis* - 30m wide exclusion on both sides of all 1st & 2nd order streams within 200m, and no UMDL logging within 200m of record
 - Yellow-bellied Glider - *Petaurus australis* - 200m radius MHA - retain 15 feed trees
 - Glossy Black-Cockatoo - *Calyptorhynchus lathamii* - Retain feed trees
 - Milky Silkpod - *Parsonsia dorrigoensis*
- Records with no condition
- Koala
 - Spotted-tailed Quoll - No Commercial Firewood Collection

HARVEST AREA
 Kiwarrak SF - Silviculture Trial Proposal
 Silviculture

- Trial Area - Status Quo Current IFOA Rule Set = 10.8
- Trial Area - Option A (the more flexible protection approach)
 Selective harvest = 14.5ha (FCNSW - Mark-up)
- Trial Area - Option B (the most conservative protection approach)
 Selective harvest = 13.8ha (EPA - Mark up)

HARVESTED CODES

- HS_H - STS heavy
- HS_M - STS medium
- HS_L - STS light
- HS_R - Regen STS
- HA - AGS
- HM - Mixed silviculture
- HT - Thinning

NON-HARVEST CODES

- NG - Basal Area Retention
- NT - Topographically Inaccessible
- NP - Pre-merchantable
- NS - Steep
- NL - Logistics (i.e. unable to fall trees onto road)
- NE - Not economic (i.e. harvestable but poor quality)
- NU - Unfinished
- NM - Missed
- NN - Non-commercial forest types
- NH - Harvested in last five years
- NO - Not forest (cleared)
- NQ - Research
- NK - Rock
- NW - Wildlife
- NC - Catchment, unmapped creeks

Logged Area
 (Indicate Month & Harvest Type)
 eg: 08/12 H-STs

Available Area NOT Logged
 (Indicate Reason for Non-Harvest)
 eg: NE

UNMAPPED DRAINAGE LINE
HARVESTING IS PERMITTED
UNDER SPECIAL CONDITIONS
- SEE HARVEST PLAN
FOR DETAILS
 Harvesting Operations in these compartments will not be licenced under the EPL. All conditions of the EPL will apply as best practice only, except for Schedule 4 Condition 6.

NO COMMERCIAL FIRE-WOOD COLLECTION
 Spotted-tailed Quoll records in these compartments

