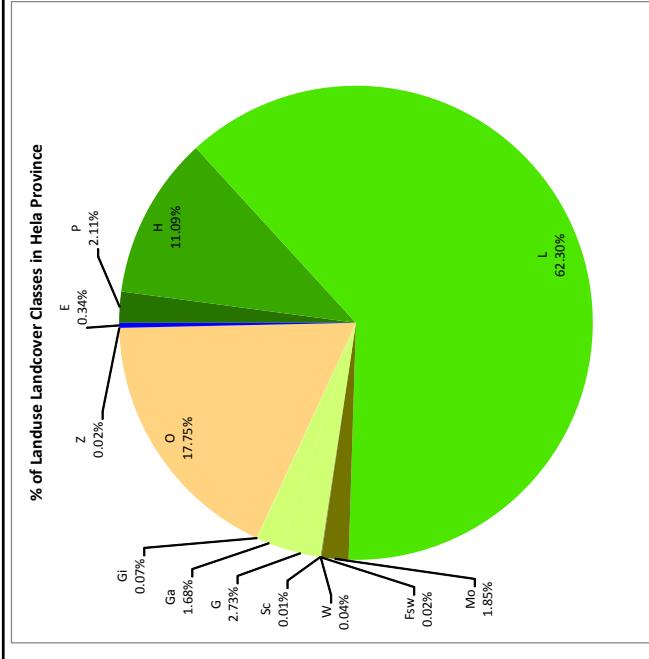
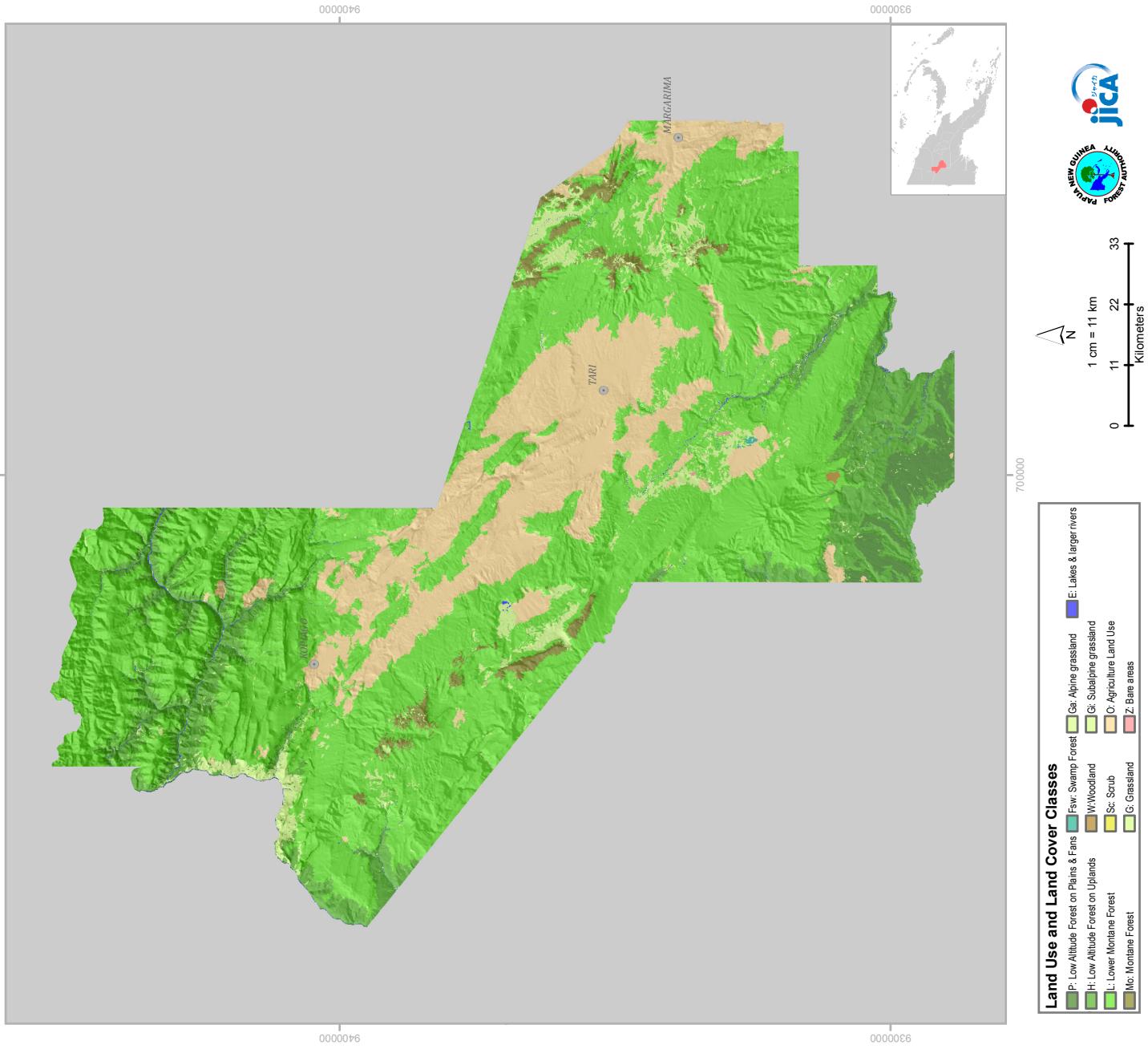


VEGETATION AND LAND COVER MAP OF HELE PROVINCE (2012 FOREST BASEMAP VERSION 1.1)



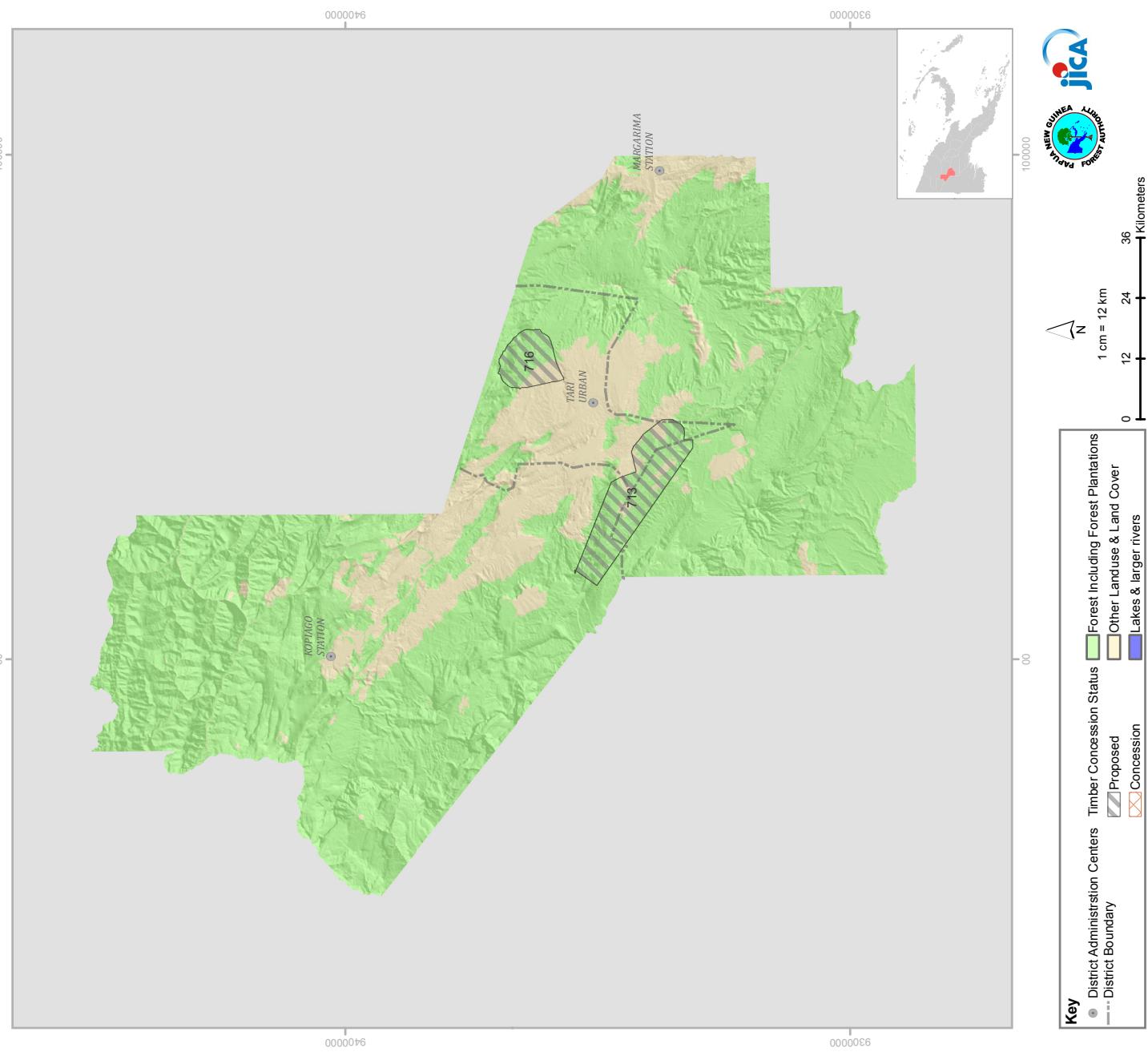
Pie Chart showing percentage in Landuse, Landcover of Hela Province.

*Note: No District information is displayed for Hela Province.

PLAN ID	NAME	AREA (ha)	CONCESSION TYPE	STATUS
713	Nogoli	27,558.25	Proposed	Proposed
716	Pi Tukure TA	10,867.94	Proposed	Proposed

Table showing Timber Concessions of Hela Province.
Information updated as at 2016.

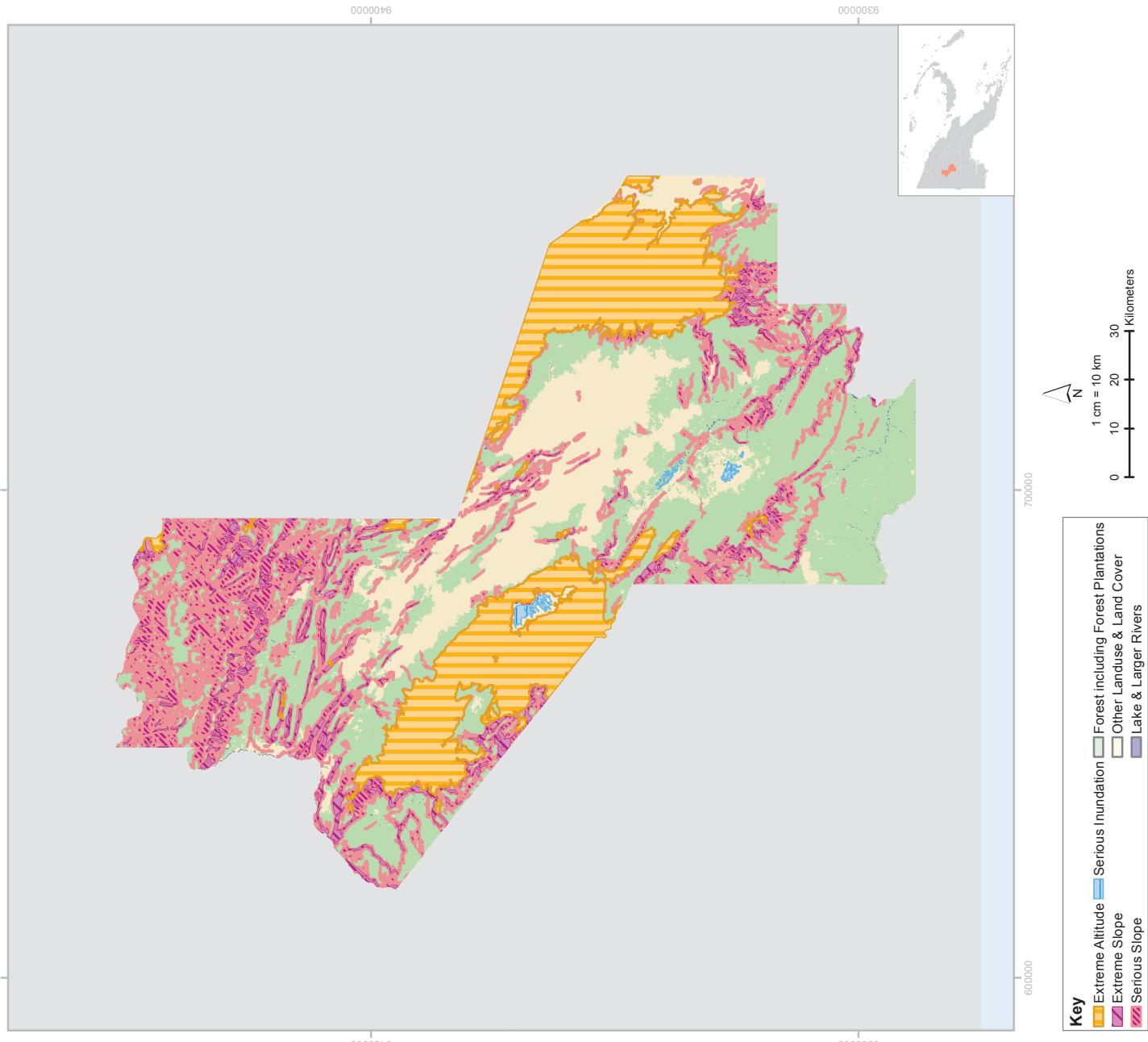
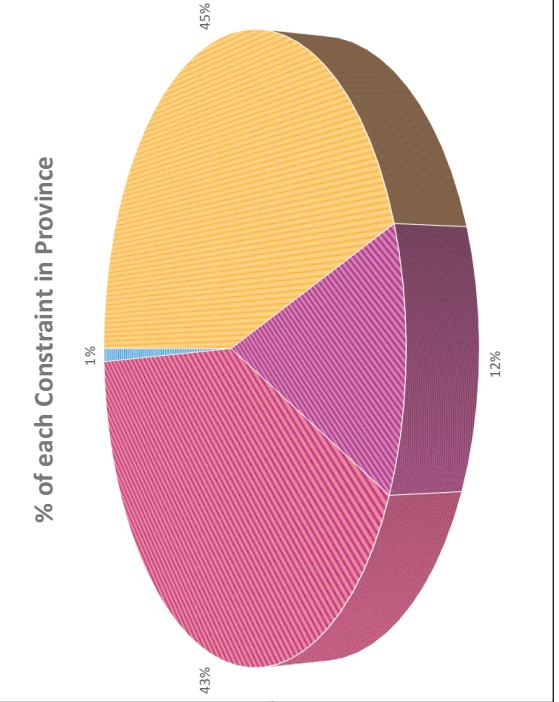
TIMBER CONCESSION MAP OF HELE PROVINCE



Brief Report on Logging Constraints of He La Province

**He La District Information is unavailable at this point of time to
PNGFA.**

He La Province is one of the newly established provinces in the country, being formerly part of the Southern Highlands region. The province, like all the other provinces in the Highlands Region, is very mountainous and rugged. As a result, it is difficult to conduct logging operations with many of the areas being limited by 'Extreme Altitude' and 'Serious Slope'. 'Extreme Altitude' comprises 45% of all constraints present in the province while 'Serious Slope' makes up 43%. However, there are some areas in the southern part of the province (where it shares its borders with the Gulf Province) that is not affected by any of the logging constraints.





22. Jiwaka Province

General information/Overview

1. Location

Jiwaka Province is located in the highlands of PNG and consists of mountain ranges and valleys. The province was once under the Western Highlands Provincial administration and is well known for its coffee plantations in particular in the Wahgi Valley.

Provincial Administration Centre: Banz

Land area: 480, 522 ha

Population: 343, 987 (2011)

Number of District: 3 (Anglimp-South Waghi, Jimi, North Waghi)

Number of Local Level Governments (LLGs): 6 LLGs

2. Forest Information

Forest Area: 256, 300 ha

Provincial Tree

The provincial tree is 'Yar' (scientifically known as *Casuarina¹³ oligodon*) and is commonly found at altitude of 1,000m-2,500m (a.s.l). .

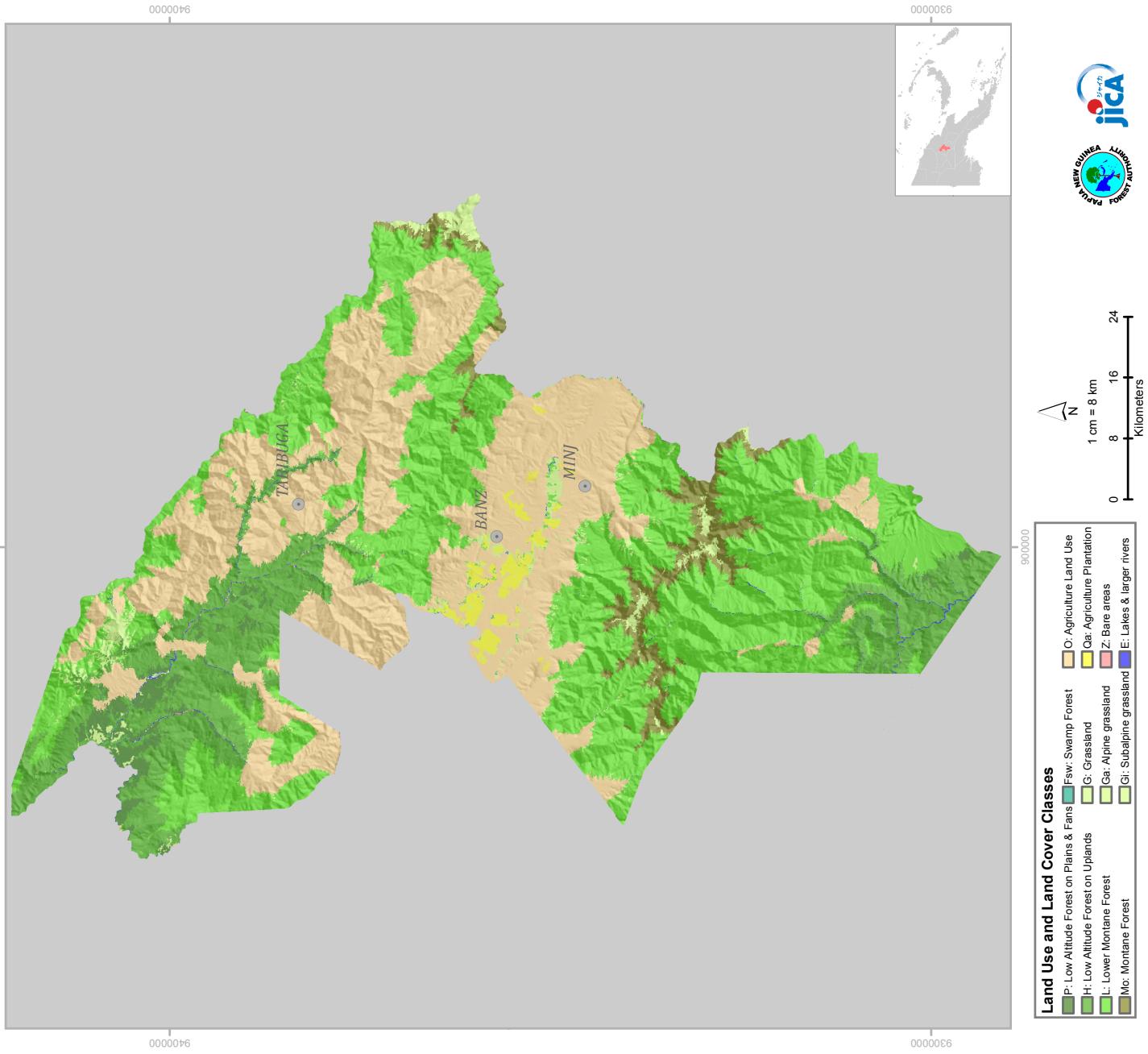
Significance of Provincial tree:

It is a hardwood species and cultivated as a shade tree for subsistence agriculture or single cash crop, for instance coffee but it has the ability in nitrogen fixing in particular for soil nutrients. Yar is commonly used by the people for various uses such as timber for the construction of homes, footbridges, fences and etc.. The leaves are used for decorations for special occasions such as cultural dances and traditional ceremonies. The leaves are also burnt to repel the insects. The tree is planted around homes as ornamentals.

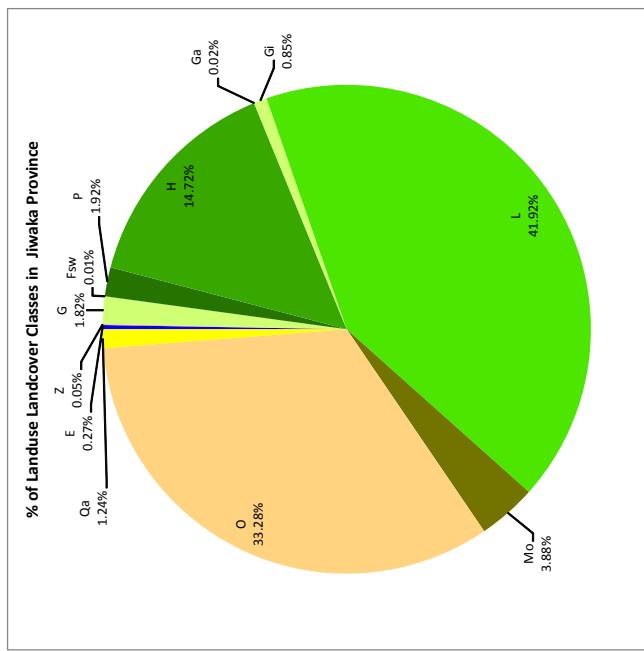
¹³ There are two types of Casuarina species in PNG; C. oligodon is common in the highlands and C. equisetifolia is found along the coasts or lowlands.

Scientific name: <i>Casuarina oligodon</i>	Family: <i>Casuarinaceae</i>	Common Name/Trade name: <i>She Oak/Yar</i>
Description		
A medium to large tree commonly grown in the highlands. Outer bark is grey-brown, fissured, peels off and inner bark is red. Leaves (modified – non true leaves) in whorls with six leaf scales on each whorl. Male spikes (long) at the end of branchlets with flower consisting of four scales and female flowers are red with cylindrically shaped (short) cones. The fruits (cones) are green to brown in colour which contains over 20 grey or yellow-brown winged seed.		
Tree	Bark	Leaf/Leaves
		
Note:	Flower	Fruit/Seed
<p>Short description Source: http://www.fiapng.com/Nursery_techniques.pdf</p> <p>Photo source (Tree, bark, leaves, flower and fruit): WAndasua, Acting Area Manager, Area Office-Highlands, Goroka, Eastern Highlands Province</p>		

VEGETATION AND LAND COVER MAP OF JIWAKA PROVINCE (2012 FOREST BASEMAP VERSION 1.1)



% of Landuse Landcover Classes in Jiwaka Province

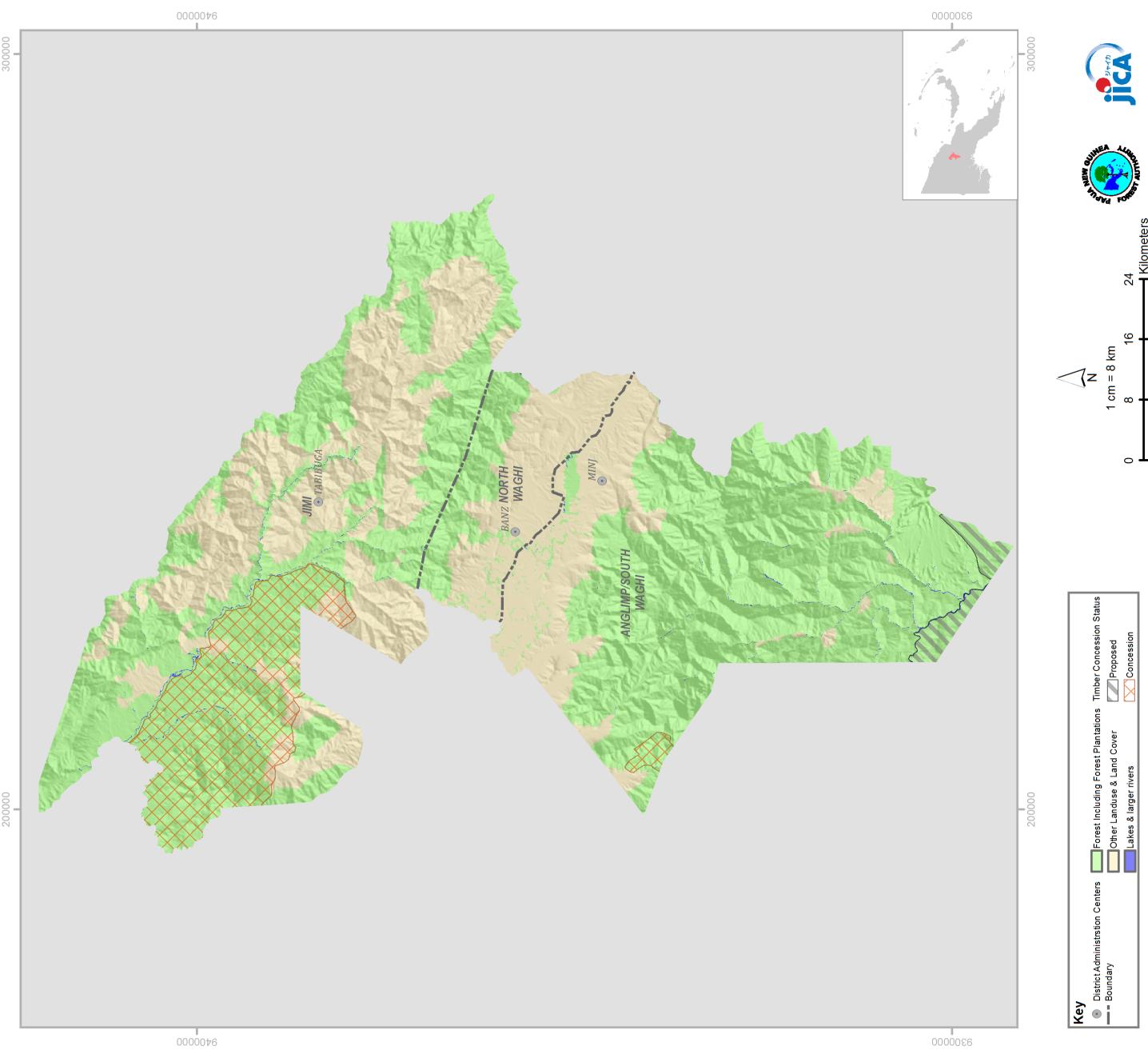


Pie Chart showing percentage in Landuse, Landcover of Jiwaka Province.

*Note: District information is not displayed.

Brief Report on Timber Concession of Jiwaka Province

TIMBER CONCESSION MAP OF JIWAKA PROVINCE

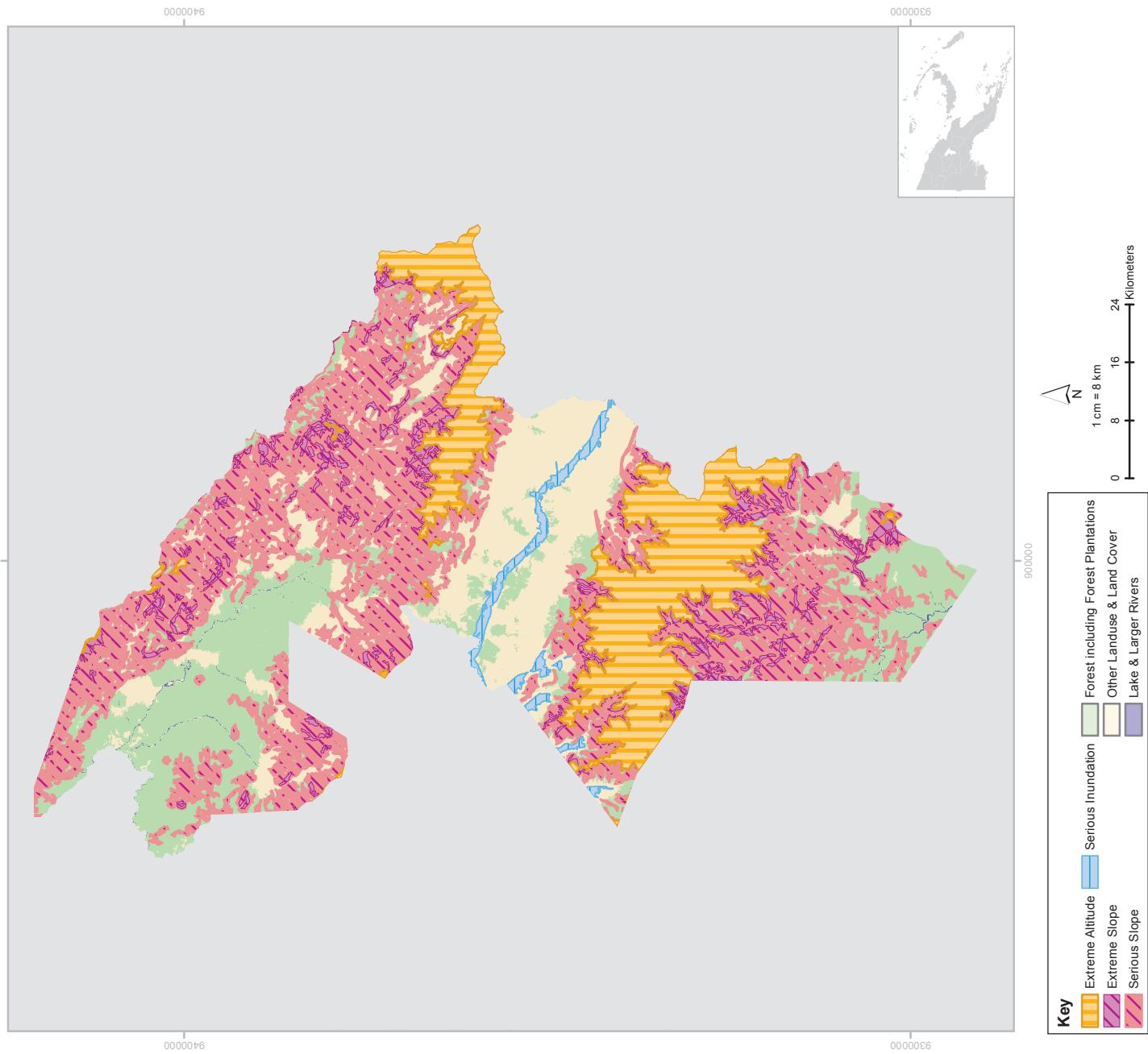
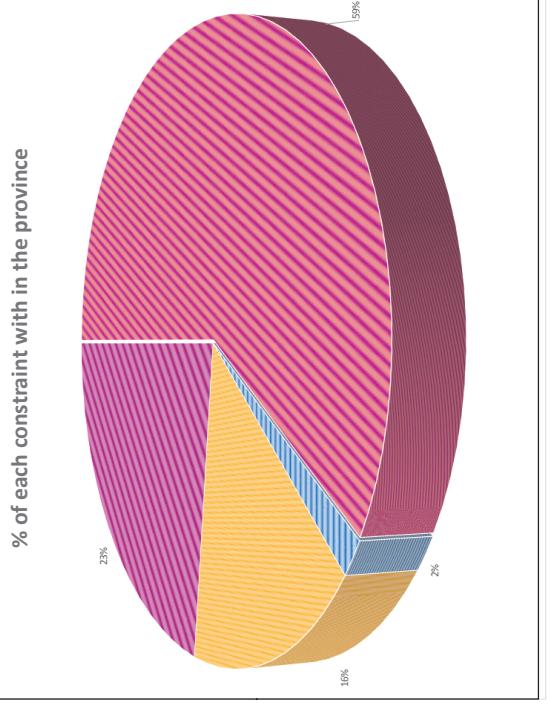


CONSTRAINTS TO COMMERCIAL TIMBER PRODUCTION, JIWAKA PROVINCE

Brief Report on Logging Constraints of Jiwaka Province

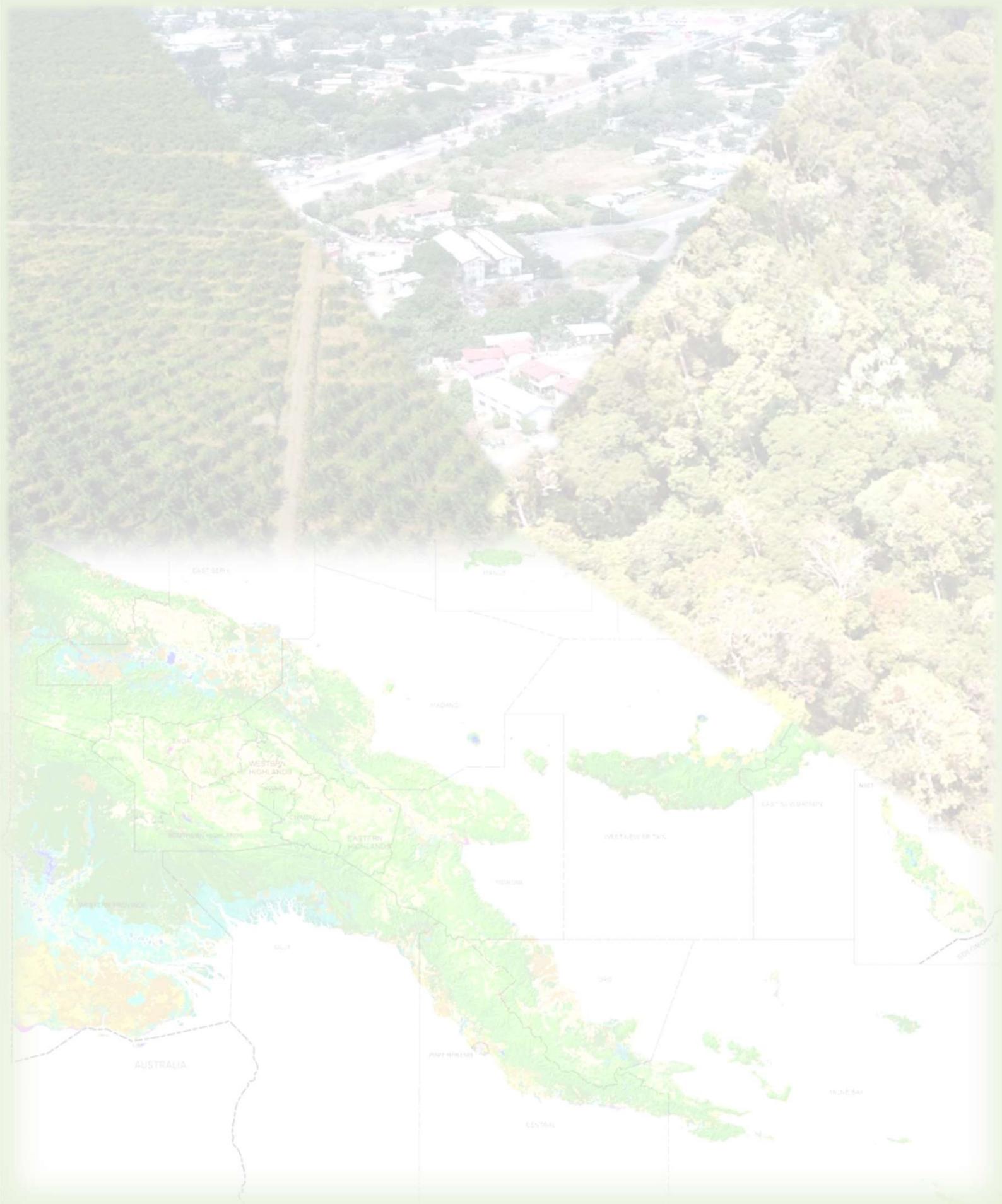
Jiwaka District Information is unavailable at this point in time to PNGFA.

Jiwaka province is located on a very fertile land, the Waghi Valley. In-between the valley lays the Waghi River, which naturally is also where the constraint ‘Serious Inundation’ is primarily found. ‘Serious Slope’ is the chief constraint found in the province, as it accounts for 59% of all constraints; it is dominate on either side of the Waghi Valley and covers most of the provinces land mass. ‘Extreme Slope’ is the second most dominate constraint in the province and its placement is dispersed around the southern and northern regions of the province. Following is ‘Extreme Altitude’, which is most present



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