

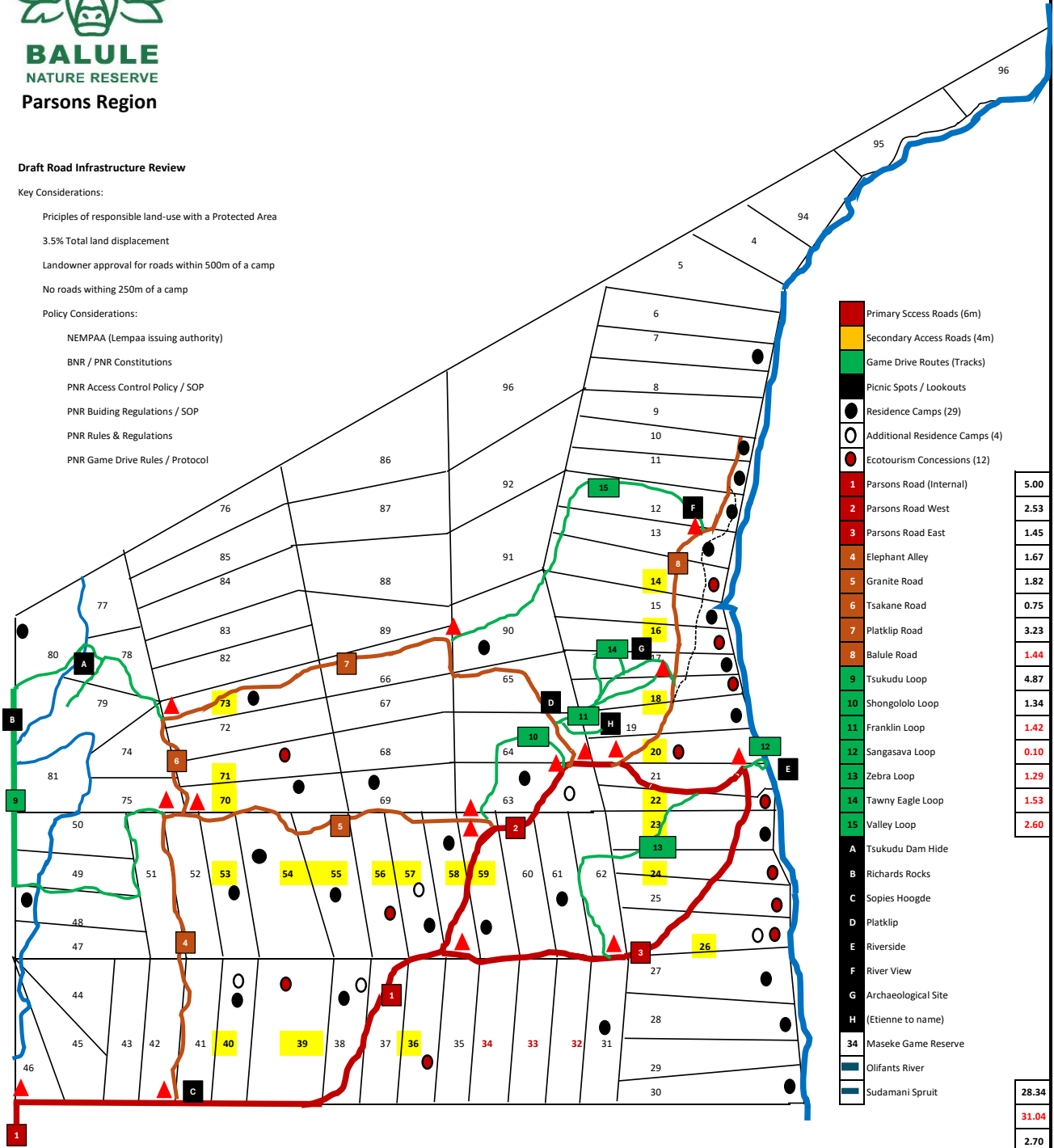
Draft Road Infrastructure Review

Key Considerations:

- Principles of responsible land-use with a Protected Area
- 3.5% Total land displacement
- Landowner approval for roads within 500m of a camp
- No roads within 250m of a camp

Policy Considerations:

- NEMPAA (Lempaa issuing authority)
- BNR / PNR Constitutions
- PNR Access Control Policy / SOP
- PNR Building Regulations / SOP
- PNR Rules & Regulations
- PNR Game Drive Rules / Protocol



ROAD LAND DISPLACEMENT

	2020	2024	
External Access Road	6.8	6.8	Km x 6m
Internal Primary Access Road	10.4	8.98	Km x 6m
Internal Secondary Access Road	7.5	8.91	Km x 4m
Game Drive Tracks	10.5	13.15	Km x 2m
Total Distance (Km)	28.3	31.0	9.54% increase
Total Displacement (Ha)	12.375	11.582	6.45% decrease
% Road Displacement	0.80%	0.75%	6.25% decrease

DEVELOPMENT LAND DISPLACEMENT

	2020	2024	
Ecotourism Concessions	12	16	25.00% increase
Residence Camps	26	25	3.85% increase
Additional Residence Camps	2	4	50.00% increase
Total Development Displacement	40	45	12.50% increase
% Displacement	2.58%	2.90%	15.79% increase
Total Displacement	3.38%	3.65%	7.99% increase

ESTIMATED POPULATION DENSITY

Residents	146
Tourists @ 30% occupancy	54
TOTAL	200

ESTIMATED WATER CONSUMPTION

Household	25,550,000	Lt PA
Artificial Water Points	35	
Artificial Water Holding Capacity	175,000	
Water point consumption	4,151,875	Lt PA
TOTAL PA	29,701,875	Lt PA

ECOLOGY

Average Biomass	1,446 Kg/Ha
% Substrate Vegetation Moisture	18.06%
Total Biomass	2,241.71 Tons
Total Substrate Moisture	835.61 Klt

ASSUMPTIONS

Extent	1550.2868 Ha
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28.34

31.04

2.70