

TAYAR NEPAL PROGRAM

DEVELOPING OF RISK SENSITIVE LAND USE PLANNING

Final Report of Multi-Hazard Risk Assessment of Neelkantha Municipality (Maps)

Progress 3 – Deliverable 4; Volume 3 – Maps

Cover photo: [Aerial view of Neelkantha Municipality]

Photo credit: [Barsha Shrestha] for USAID Tayar Nepal

TAYAR NEPAL PROGRAM

DEVELOPING OF RISK SENSITIVE LAND USE PLANNING

For Neelkantha Municipality

Volume 3 - Maps

(Progress 3; Deliverable-4)

Program Title:	USAID Tayar Nepal Program
DAI Project Number:	RFP-TAYAR-KMD-20-0058
Sponsoring USAID Office:	USAID/Nepal
IDIQ Number:	XX
Task Order Number:	XX
Contractor:	DAI Global LLC
Date of Publication:	07/ 15/ 2021
Author:	[insert]

Disclaimer: The boundaries and names used on the map do not imply official endorsement or acceptance by the US Government or USAID.

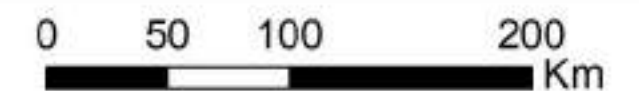
List of Figures	Page
1. Location Map	1
2. Administrative Map	2
3. Regional Map	3
4. Slope Map	4
5. Existing Land Use Map	5
6. Land Capability Map	6
7. Existing Road Surface Map	7
8. Physical Infrastructure Map	8
9. Social Infrastructure Map	9
10. Cultural and Tourism Map	10
11. Economic Infrastructure Map	11
12. Humanitarian Open Space Map	12
13. Landslide Susceptibility Map	13
14. Seismic Hazard Map for 100 years return period	14
15. Seismic Hazard Map for 500 years return period	15
16. Seismic Hazard Map for 2500 years return period	16
17. Flood hazard map for 100 years return period	17
18. Fire Hazard Map	18
19. Wind Hazard Map	19
20. Lightning Fatality Events Map	20
21. Multi Hazard Map	21
22. Vulnerability Map	22
23. Multi Hazard Risk Map	23
24. Population Density Map	24
25. Settlement Hierarchy Map	25
26. Land Use Map – 2011	26
27. Land Use Map – 2021	27
28. Land Use Map – 2031	28
29. Land Use Map – 2041	29
30. Building Use Trend Map	30
31. Building Storey Map	31
32. Site Slope Suitability Map	32
33. Aspect Suitability Map	33
34. Land Capability Suitability Map	34
35. Flood Susceptibility Suitability Map	35
36. Landslide Susceptibility Suitability Map	36
37. Settlement Proximity Suitability Map	37
38. Road Access Suitability Map	38
39. Physical Suitability Map	39
40. Proximity to Market Suitability Map	40
41. Proximity to Institutional Area Suitability Map	41
42. Proximity to cultural Heritage Area Suitability Map	42
43. Proximity to Health Service Suitability Map	43
44. Proximity to Educational Service Suitability Map	44
45. Land Fragmentation Suitability Map	45
46. Access to Open Space Suitability Map	46
47. Socio Economic Suitability Map	47
48. Total Suitability Map	48
49. Constraint free areas Suitability Map	49
50. Industrial Development Suitability Map	50
51. Bus Park Suitability Map	51
52. Landfill Suitability Map	52
53. Color Zone Map	53
54. Proposed Risk Sensitive Land Use Zone Map	54
55. Proposed Risk Sensitive Land Use Zone Map – Urban	55
56. Proposed Risk Sensitive Land Use Zone Map – Rural	56
57. Emergency Evacuation Route (Walking Distance) Map	57
58. Emergency Evacuation Route Map	58
59. Proposed Road Network Map	59
60. Proposed Zonation Map with Code	60
61. DRR and Mitigation Action Projects Map	62

Neelakantha Municipality Location Map



Legend Administrative Boundary

- Neelakantha Municipality
- Dhading District
- Bagmati Province
- District Boundary
- Province Boundary
- International Boundary



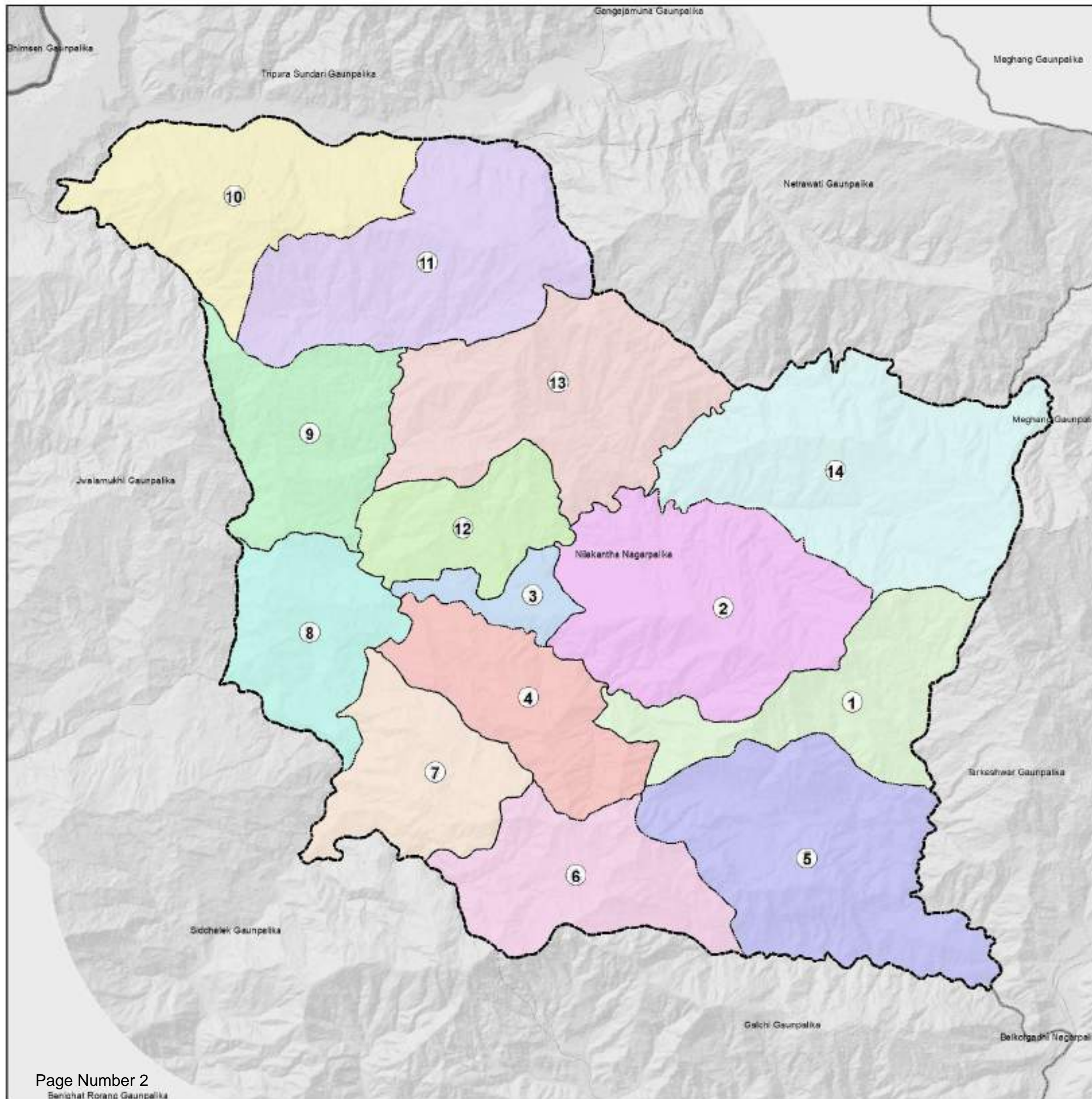
Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat, Open Street Map and Field update of Municipality



Office of the Municipal Executive
 Duku Municipality
 Dhading District
 Karnali Pradesh
 Nepal





Neelakantha Municipality Administrative Map



Source: TM, OpenStreetMap and Mapbox. Data provided by Geospatial Information System of the Government of Nepal.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat8; Open Street Map and Field Update of Municipality



Office of the Municipal Executive
 Dulu Municipality
 Dolekh District
 Kailash Pradesh
 Nepal



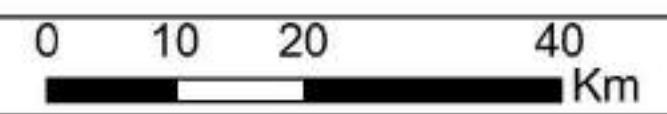
Neelakantha Municipality Regional Setting



Disclaimer: The User shall be responsible for the use of the data. USAID does not warrant the accuracy of the US Government or USAGD.

Legend

- Kathmandu
 - Narayanghat
 - Pokhara Lekhnath
 - Municipalities
 - ✈ Airport
 - Major City
 - District Headquarter
 - Smart City
 - New Town
 - ▬ East West Highway
 - ▬ Mid Hill Highway
 - ▬ Postal Highway
 - ▬ Highway
 - ▬ Feeder Road
 - ▭ Neelakantha Municipality
 - ▭ Kathmandu Valley
 - ▭ CHITAWAN
 - ▭ KASKI
- Distance From Municipality**
- 10 km
 - 20 km
 - 30 km
 - 40 km
 - 50 km
 - 75 km
- Administrative Division**
- Metropolitan City
 - Sub-Metropolitan City
 - Municipality
 - Rural Municipality
 - National Park

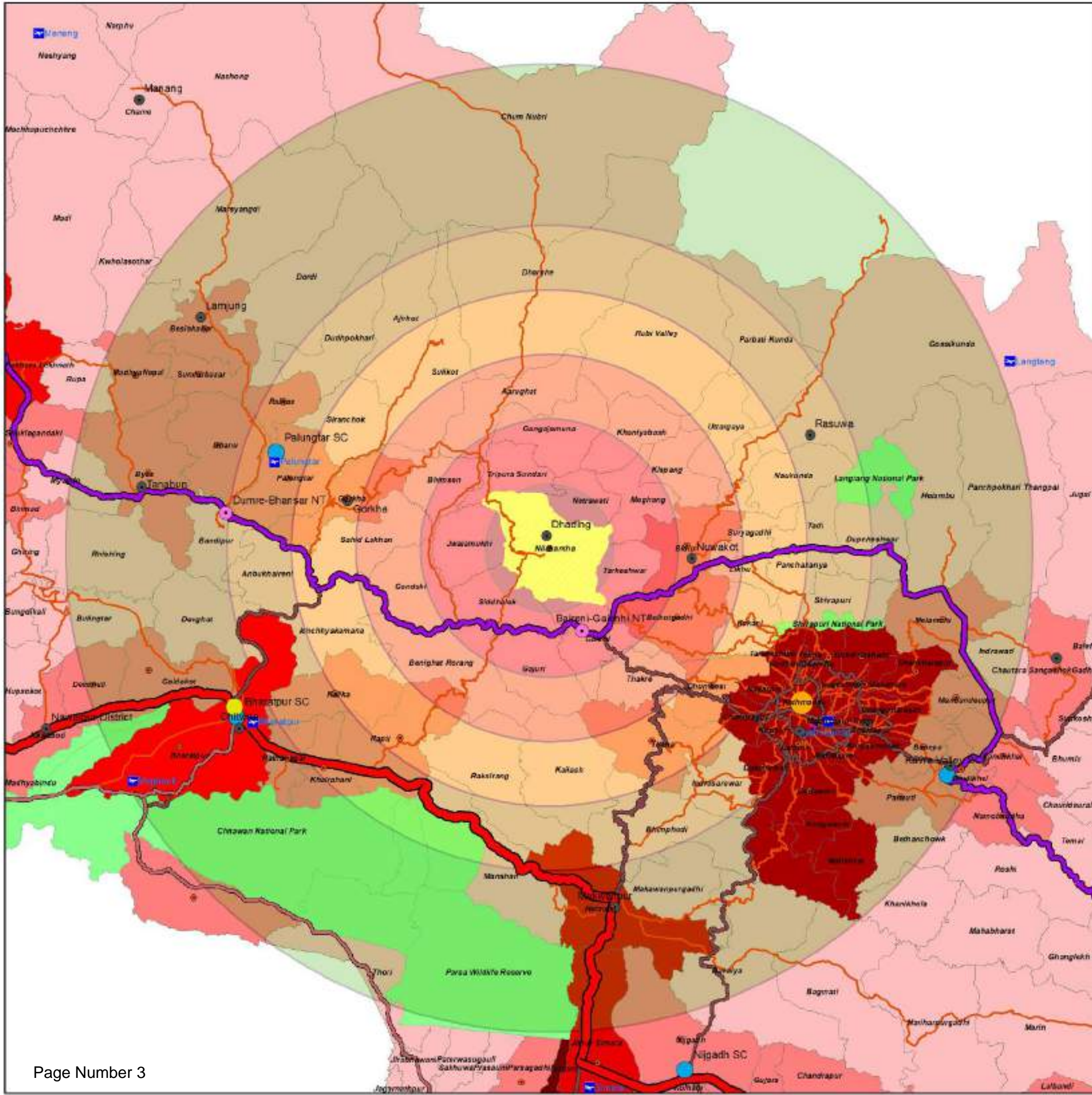


Coordinate System: WGS 1984 UTM Zone 49N
 Projection: Transverse Mercator
 Datum: WGS 1984
 false northing: 0.0000
 central meridian: 87.0000
 scale factor: 0.9996
 latitude of origin: 0.0000
 Units: Meter

Data Source: Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat8; Open Street Map and Field Update of Municipality

Office of the Municipal Executive
Dule Municipality
Dolekh District
Kaski Province
Nepal

USAID
U.S. Agency for International Development



Neelakantha Municipality Slope Map



Disclaimer: This document and materials were prepared by the USAID Mission in Nepal. It does not constitute an official statement or position of the US Government or USAID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- 60 Above
- 45 - 60
- 30 - 45
- Below 30



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 false easting: 500,000.0000
 false northing: 0.0000
 central meridian: 87.0000
 scale factor: 0.9996
 latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat8; Open Street Map and Field Analysis of Municipality

Office of the Municipal Executive
 Dulu Municipality
 Dolekh District
 Karnali Province
 Nepal



Neelakantha Municipality Existing Landuse

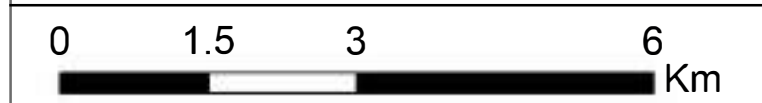


Disclaimer - The boundaries and names used on this map do not imply official endorsement or acceptance by the US Government or USAID

Legend Administrative Boundary

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Builtup
- Cultivation
- Forest
- Shurb/Bushed
- Grass Land
- Open Space
- Landslide
- Pond
- Sand
- River

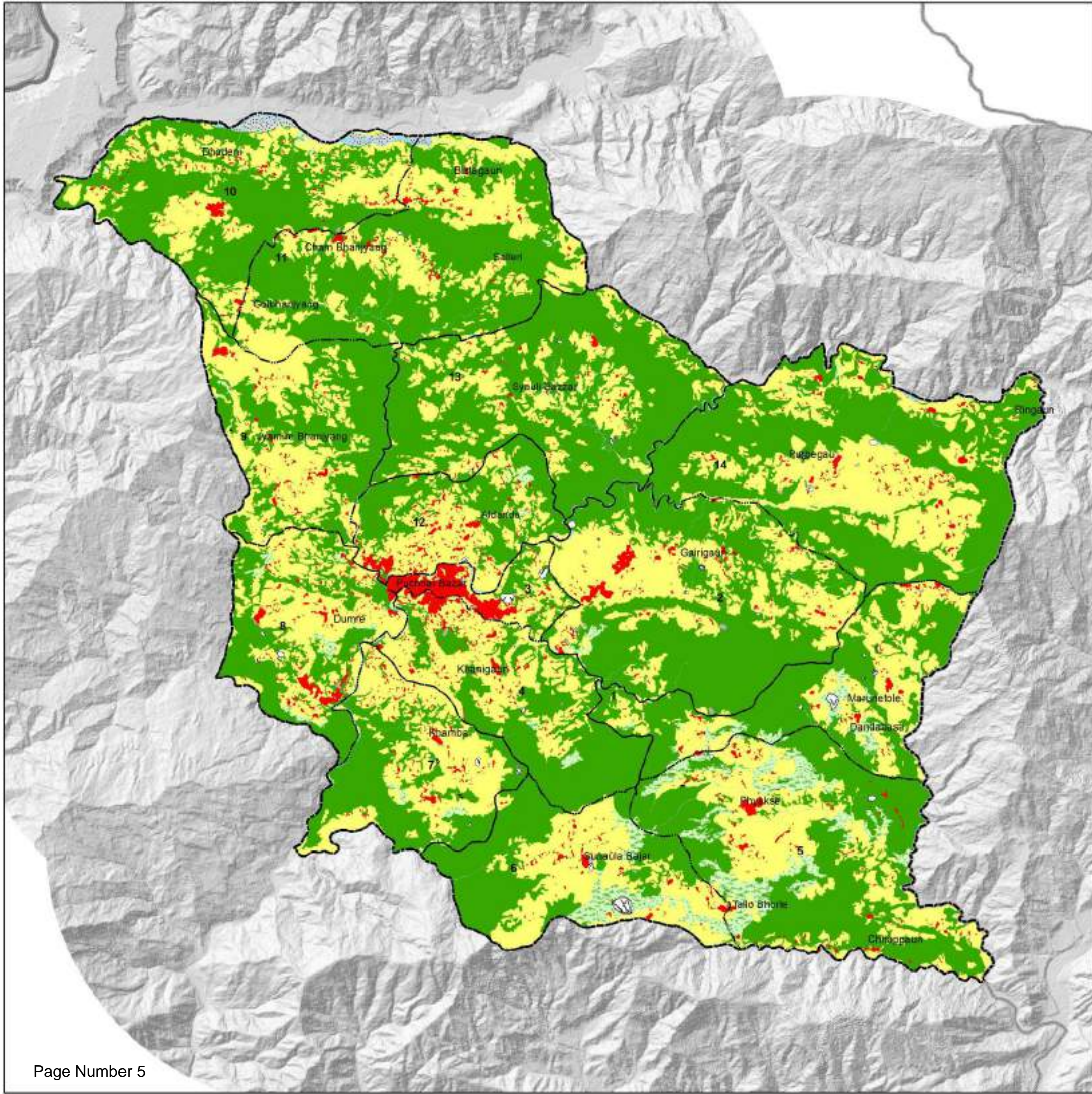
Sn	Type	Area Sq.Km
1	Residential	3.55
2	Institutional	0.21
3	Commercial	0.27
4	Industrial	0.08
5	Cultivation	79.47
6	Forest	110.76
7	Grassland	0.01
8	Openspace	3.35
9	Riverine	2.29
Total		199.98



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 false easting: 500,000.0000
 false northing: 0.0000
 central meridian: 87.0000
 scale factor: 0.9996
 latitude of origin: 0.0000
 Units: Meter

Data Source :- Topo Maps of Survey Department, Government of Nepal, World View2, Landsat8, Open Street Map and Field Update of Municipality

Office of the Municipal Executive
 Dullu Municipality
 Dailekh District
 Karnali Pradesh
 Nepal



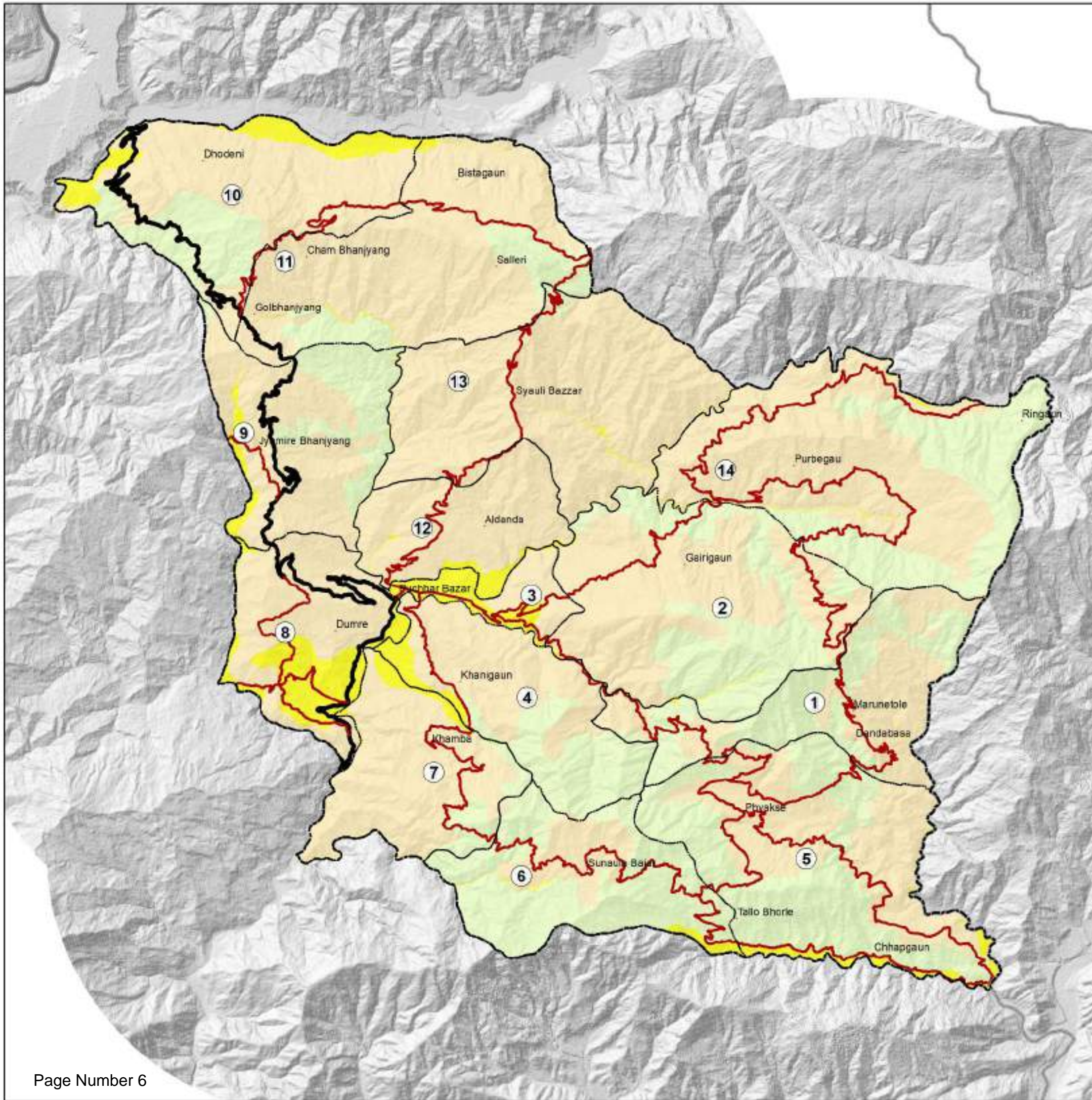
Neelakantha Municipality Land Capability



Disclaimer: The boundaries and names shown on this map do not imply official endorsement or acceptance by the US Government or USAID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- High Production Agriculture (Class II)
- Medium Production Agriculture (Class III)
- Low Production Agriculture (Class IV)



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat, Open Street Map and Field Update of Municipality



Office of the Municipal Executive
 Duku Municipality
 Dalesh District
 Kailash Pradesh
 Nepal



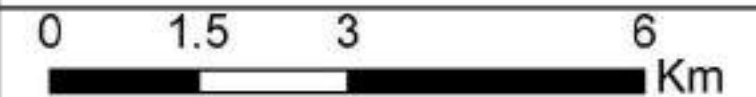
Neelakantha Municipality Existing Road Surface Map



Source: TM, USGS and other sources. All measurements are approximate, or the US Government or USGS.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Blacktop
- Gravel
- Earthen



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000

False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat8; Open Street Map and Field Update of Municipality



Office of the Municipal Executive
 Dule Municipality
 Dolekh District
 Karnali Pradesh
 Nepal



Neelakantha Municipality Physical Infrastructure



Disclaimer: The boundaries and names shown on this map do not imply official endorsement or acceptance by the US Government or USAID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Water Tank
- Communication Tower
- Bus Park
- Landfill Site
- Surface Drain
- Arterial Road
- Sub-Arterial Road
- Collector Road
- Local Road



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat, Open Street Map and Field update of Municipality



Office of the Municipal Executive
 Duku Municipality
 Dolekh District
 Kailash Pradesh
 Nepal



Neelakantha Municipality Social Infrastructure Map



Disclaimer: The boundaries and names shown on this map do not imply official endorsement or acceptance by the US Government or USAID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Municipality Office
- Ward Office
- Collage
- Secondary School
- Basic School
- Private School
- Madrasa
- Hospital
- Health Post
- Aaryubedic Ausadhalaya
- Red Cross
- Veterinary Hospital
- Bipad Bebasthan
- Community Building
- Pauwa
- Graveyard



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat, Open Street Map and Field update of Municipality



Office of the Municipal Executive
 Duku Municipality
 Dalesh District
 Karnali Pradesh
 Nepal



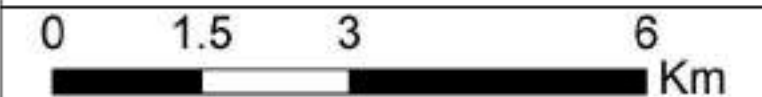
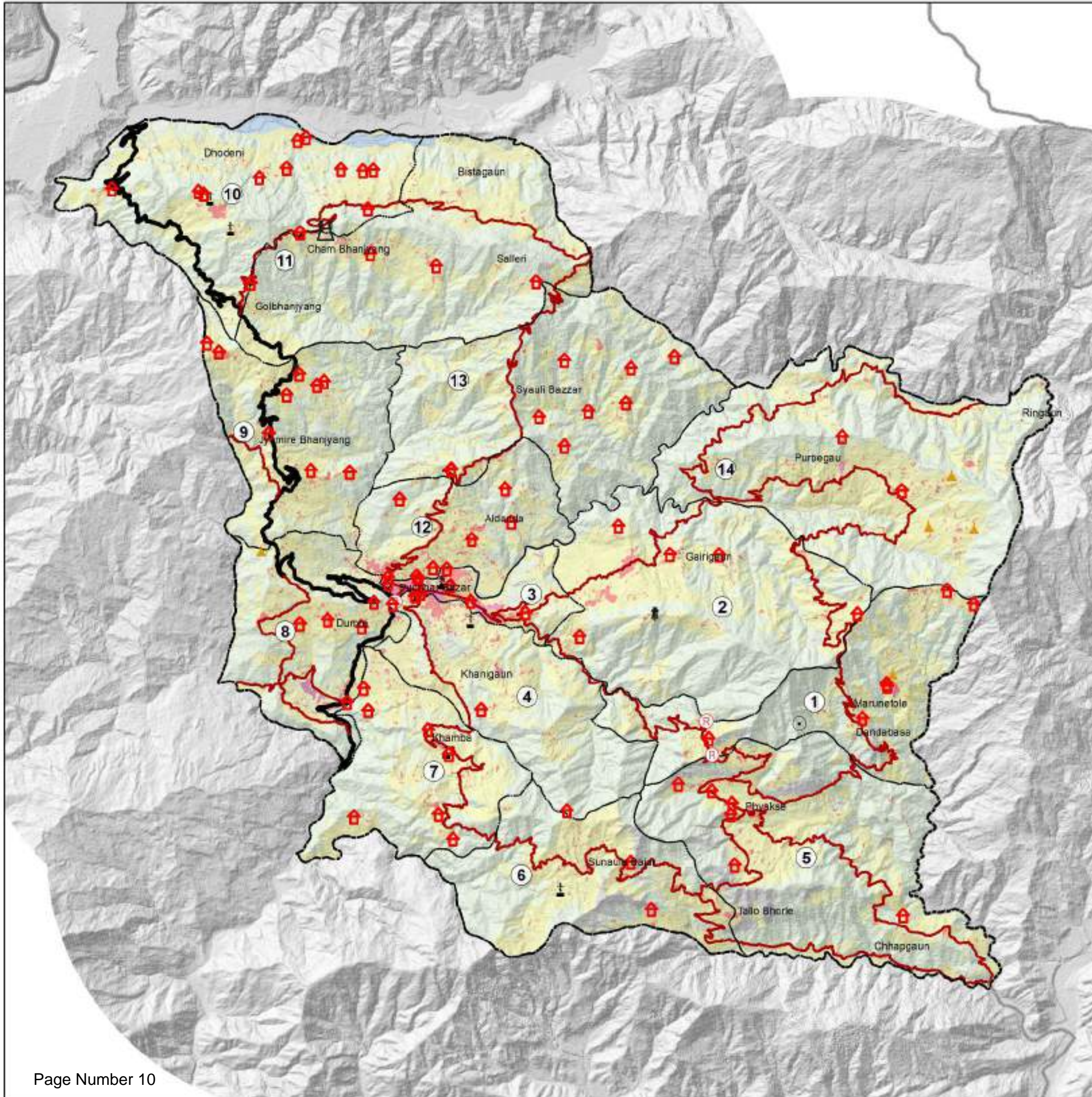
Neelakantha Municipality Cultural Heritage



Disclaimer: The boundaries and names shown on this map do not imply official endorsement or acceptance by the US Government or USAID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Temple
- Gumba
- Church
- View Tower
- Durbar
- Gula
- Rodni Ghar



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000

False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat, Open Street Maps and Field update of Municipality



Office of the Municipal Executive
 Duku Municipality
 Dalesh District
 Kailash Pradesh
 Nepal



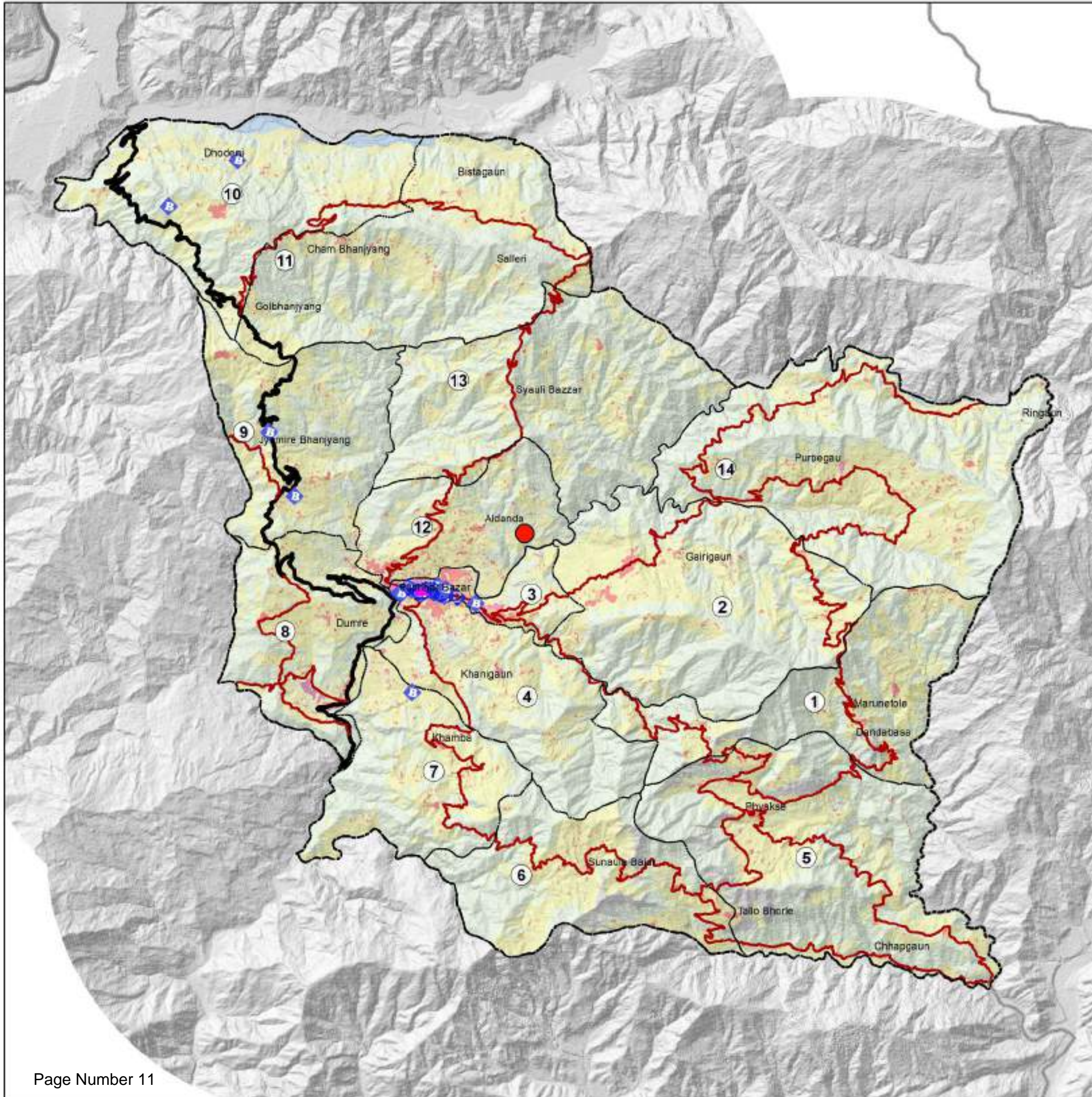
Neelakantha Municipality Economic Infrastructure



Disclaimer: The boundaries and names shown on this map do not imply official endorsement or acceptance by the US Government or USAID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Agriculture Farm
- Bank
- Cooperative
- Insurance



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat, Open Street Map and Field update of Municipality

Office of the Municipal Executive
 Duku Municipality
 Dalesh District
 Kailash Pradesh
 Nepal

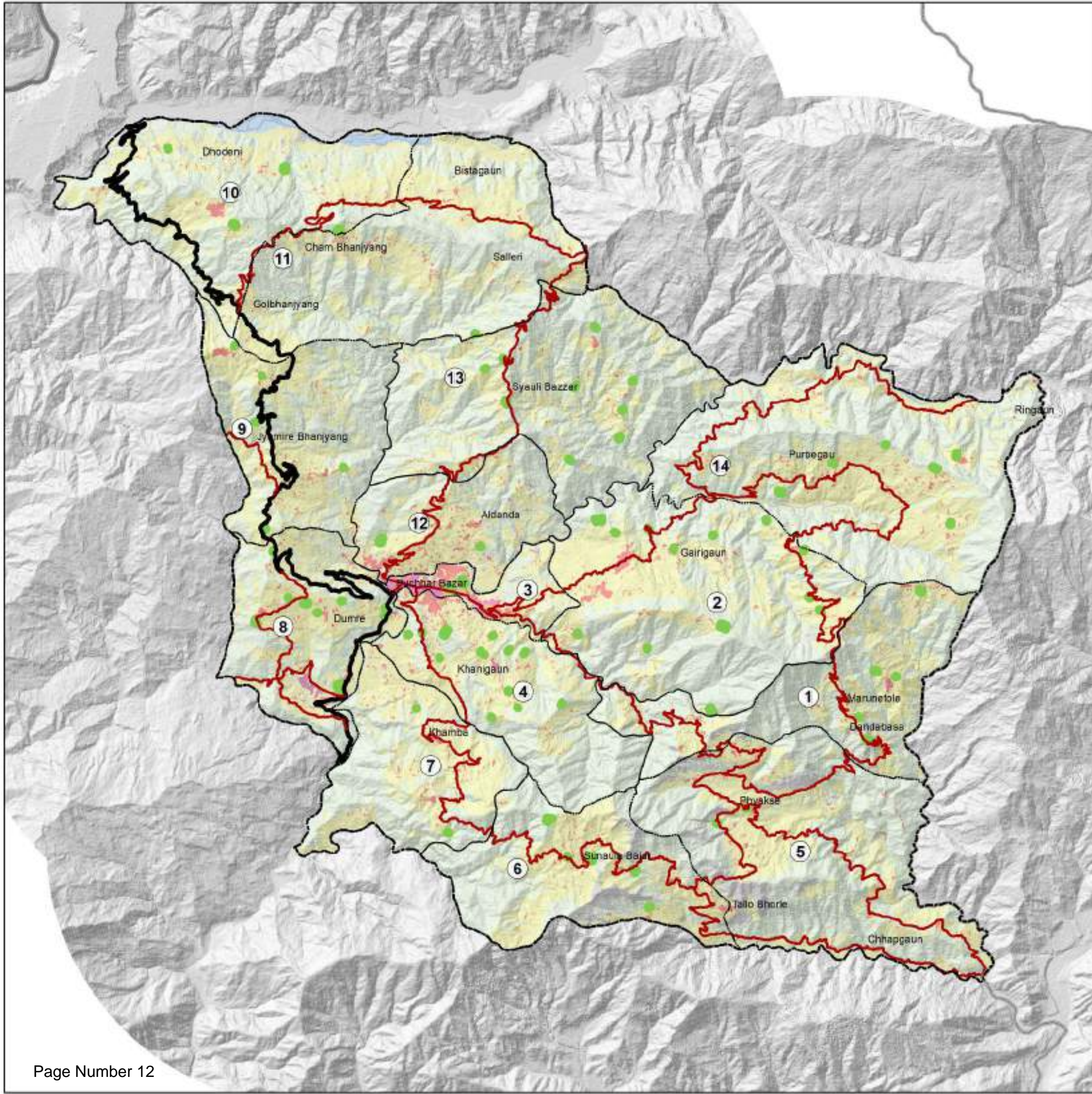
Neelakantha Municipality Open Spaces



Disclaimer: The boundaries and names shown on this map do not imply official endorsement or acceptance by the US Government or USAID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Open Space



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat, Open Street Map and Field update of Municipality

Office of the Municipal Executive
 Duku Municipality
 Dalesh District
 Kailash Pradesh
 Nepal



**Neelakantha Municipality
Landslide Susceptibility**



Disclaimer: This document and materials were prepared by the USAID Mission in Nepal. It does not represent the views or opinions of the US Government or USAID.

Legend

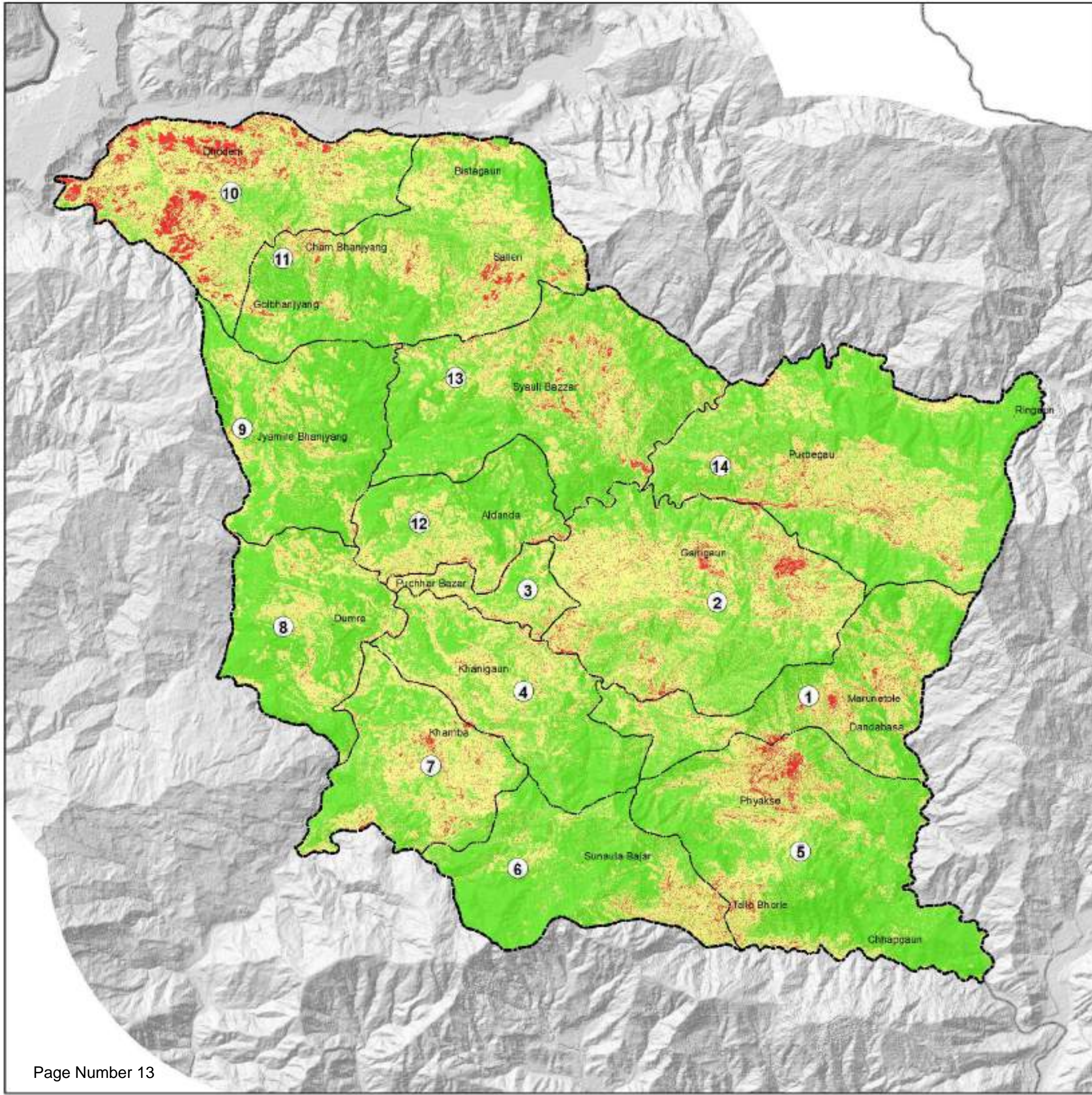
- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Low
- Medium
- High



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat8; Open Street Map and Field Update of Municipality

Office of the Municipal Executive
 Dulu Municipality
 Dolekh District
 Karnali Province
 Nepal



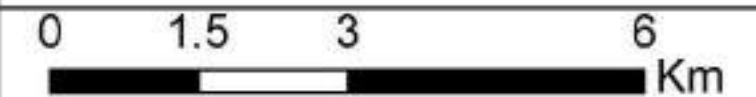
**Neelakantha Municipality
Sesmic Hazard
100 Years Return Period**



Disclaimer: This document and its contents are for informational purposes only. It does not constitute a guarantee, warranty, or endorsement of the US Government or USAID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Medium



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 false easting: 500,000.0000
 false northing: 0.0000
 central meridian: 87.0000
 scale factor: 0.9996
 latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat8; Open Street Map and Field Update of Municipality



Office of the Municipal Executive
 Dulekha Municipality
 Dulekha District
 Kailash Pradesh
 Nepal








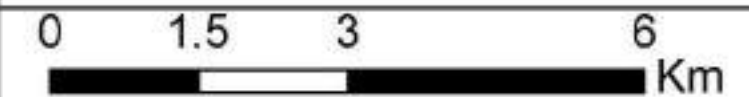
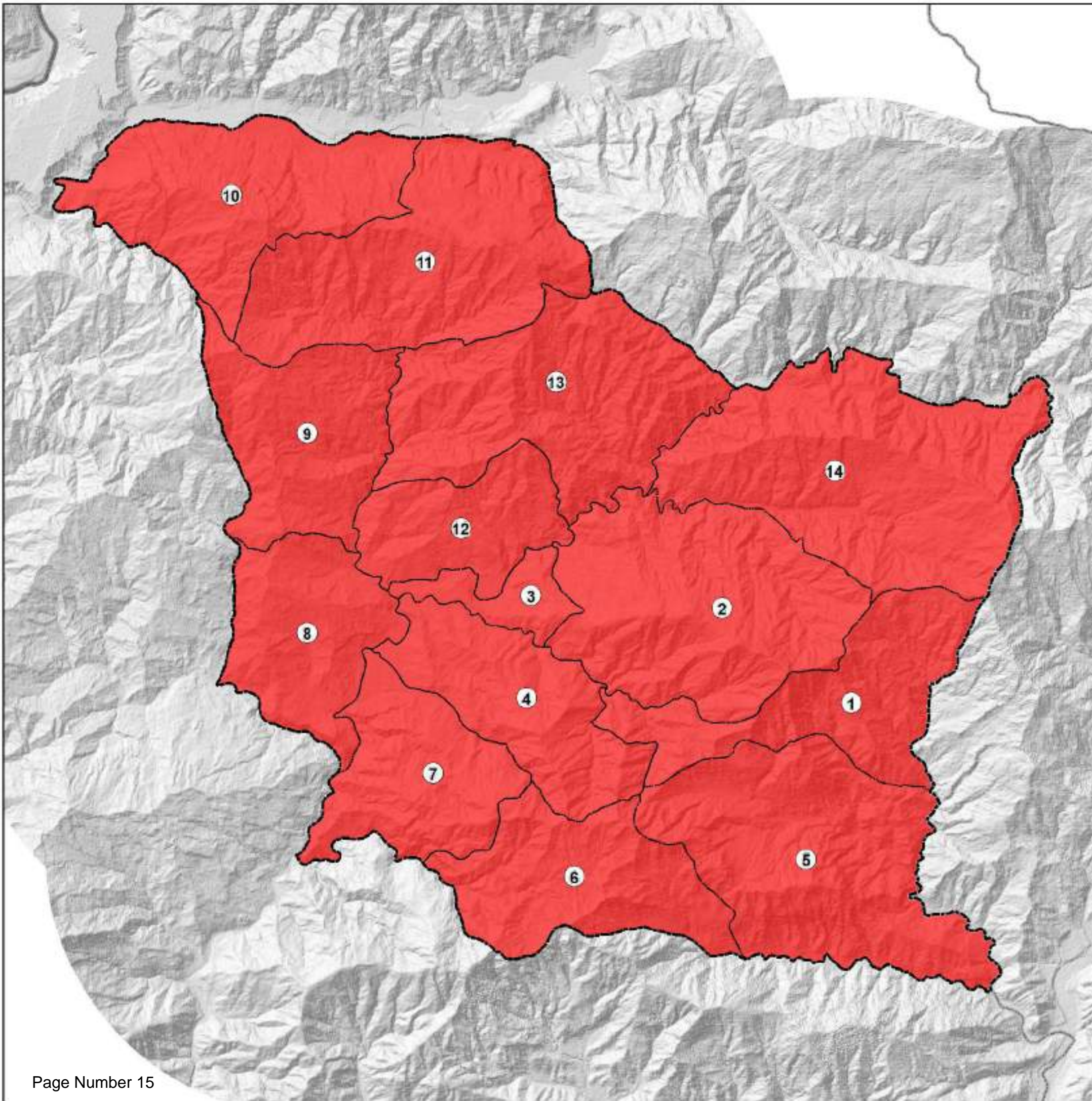
**Neelakantha Municipality
Sesmic Hazard
500 Years Return Period**



Source: TM, USGS and other sources. All measurements are in meters, or the US Government or USCG.

Legend

-  Province Boundary
-  Municipal Boundary
-  District Boundary
-  Ward Boundary
-  High



Coordinate System: WGS 1984 UTM Zone 45N
Projection: Transverse Mercator
Datum: WGS 1984
False easting: 500,000.0000
False northing: 0.0000
Central meridian: 87.0000
Scale factor: 0.9996
Latitude of origin: 0.0000
Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat8; Open Street Map and Field Update of Municipality



Office of the Municipal Executive
Dulekha Municipality
Dulekha District
Kailash Pradeshi
Nepal








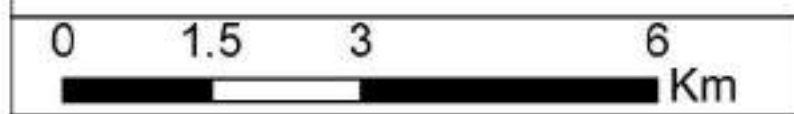
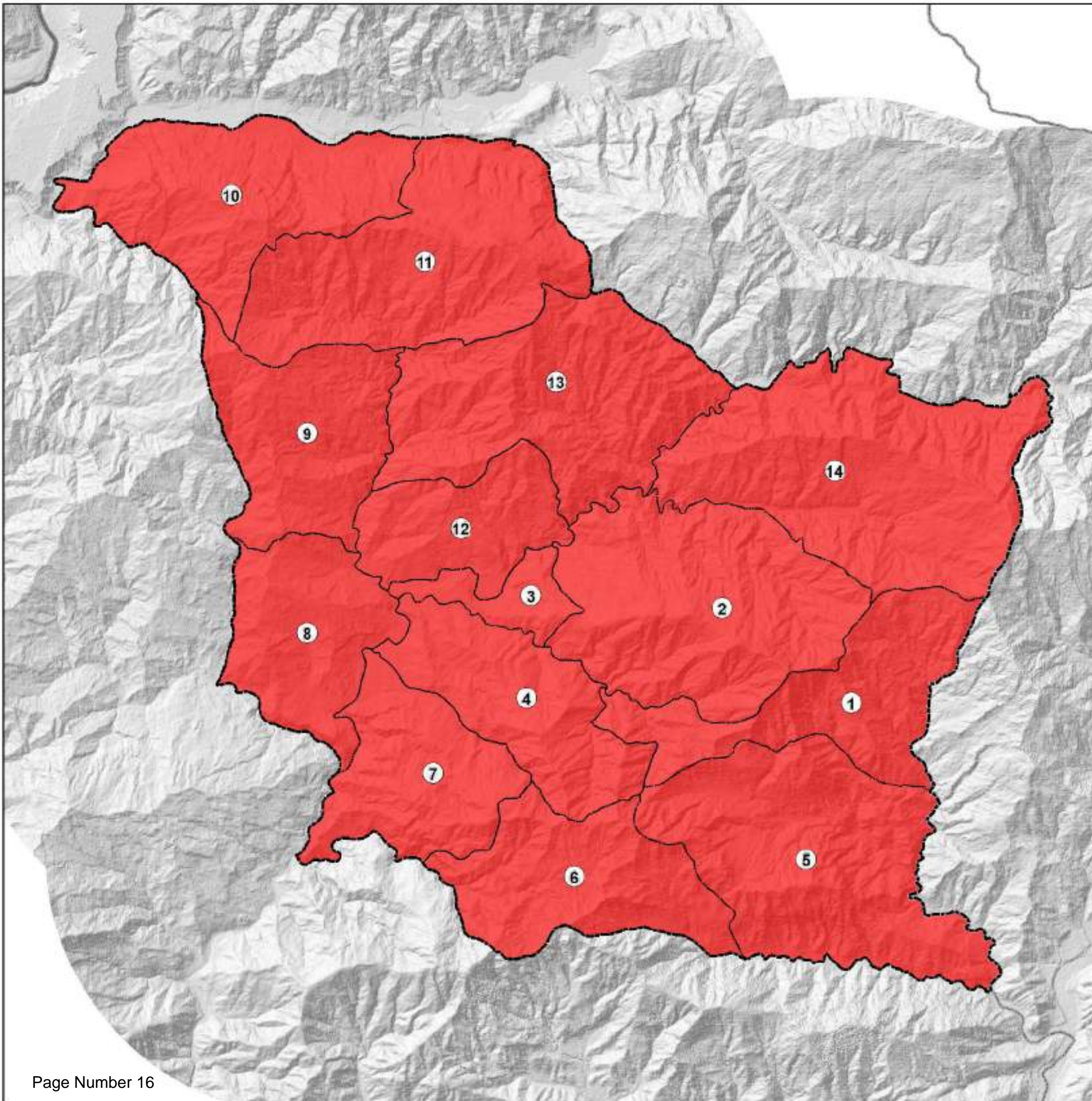
**Neelakantha Municipality
Sesmic Hazard
2500 Years Return Period**



Source: TM, USGS and other sources. All measurements are in meters, or the US Government or USCG.

Legend

-  Province Boundary
-  Municipal Boundary
-  District Boundary
-  Ward Boundary
-  High



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat8; Open Street Map and Field Update of Municipality



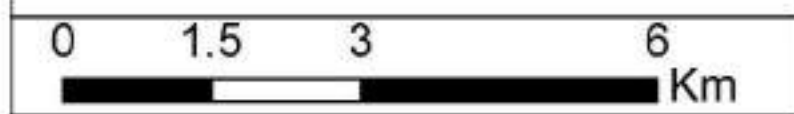
**Neelakantha Municipality
Flood Hazard
100 Years Return Period**



Disclaimer: TM, USGS and other sources are not responsible for any errors. USGS measurements are available on the US Government or USGPO.

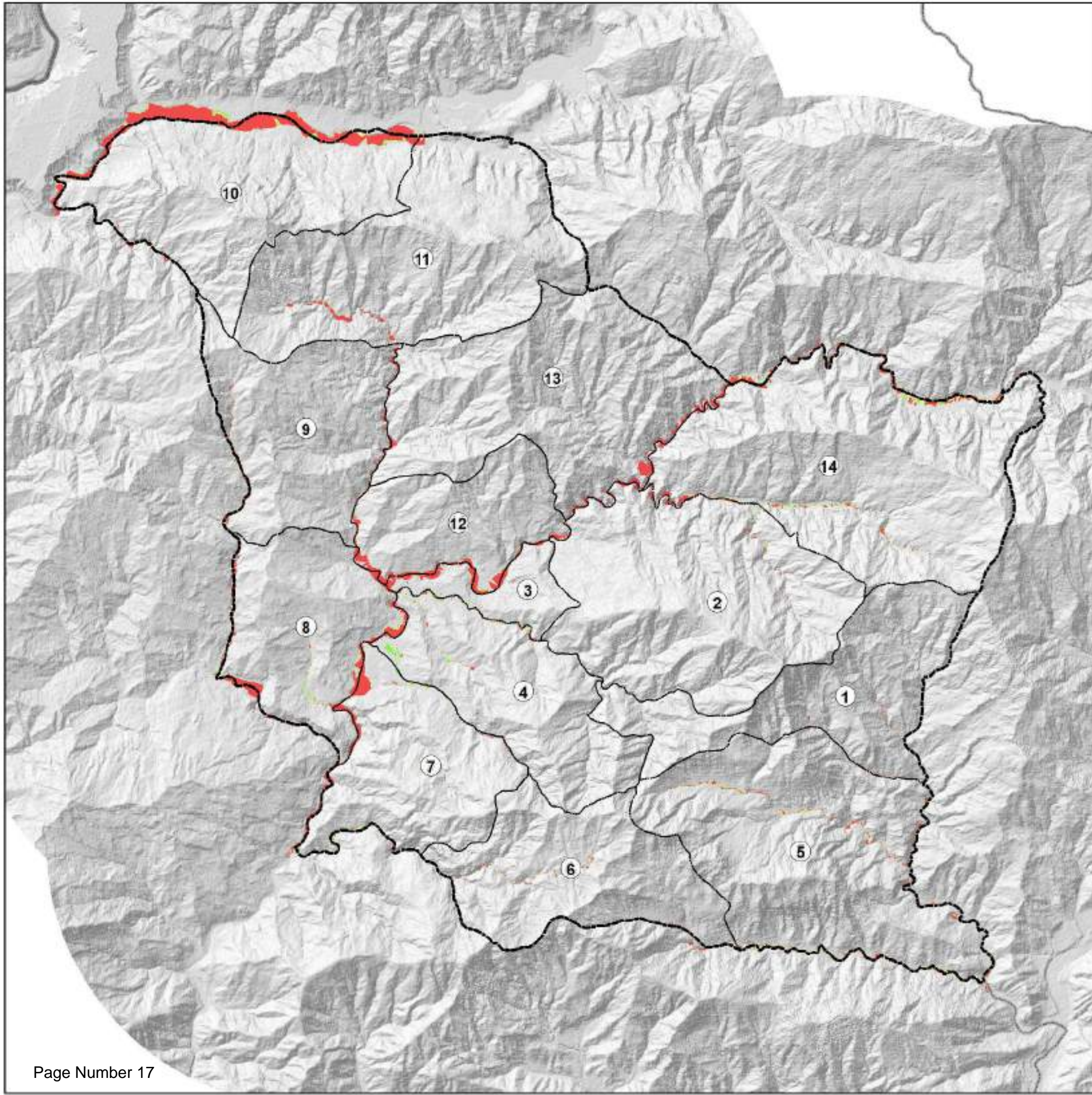
Legend

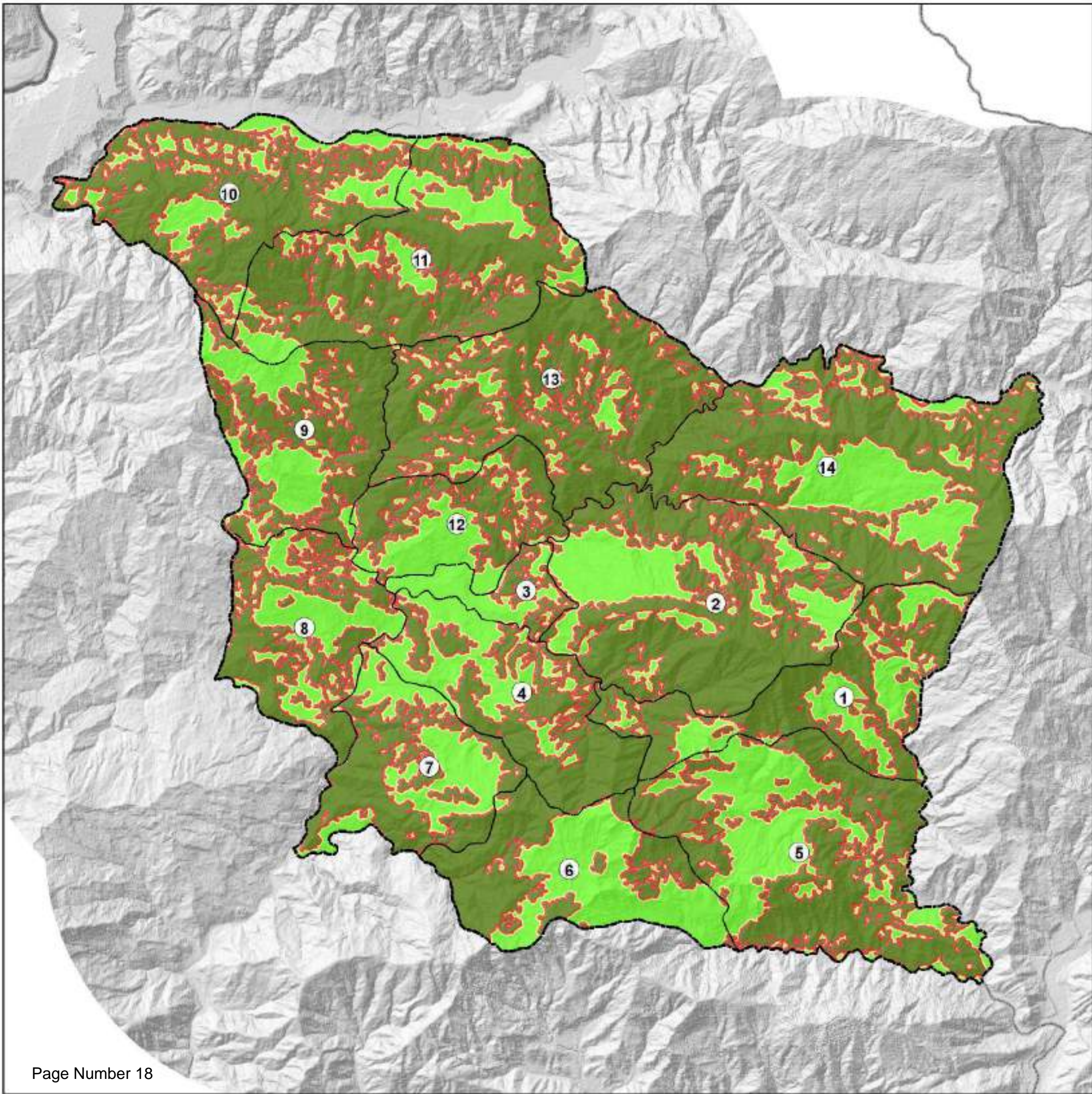
- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Low
- Medium
- High



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 false easting: 500,000.0000
 false northing: 0.0000
 central meridian: 87.0000
 scale factor: 0.9996
 latitude of origin: 0.0000
 Units: Meter

Data Source :- Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat8; Open Street Map and Field Update of Municipality





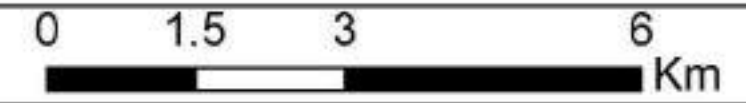
Neelakantha Municipality Fire Hazard



Disclaimer: TM, USGS and other sources are not responsible for any errors or omissions. All data were obtained from the US Government or USGPO.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Low
- Medium
- High
- Forest

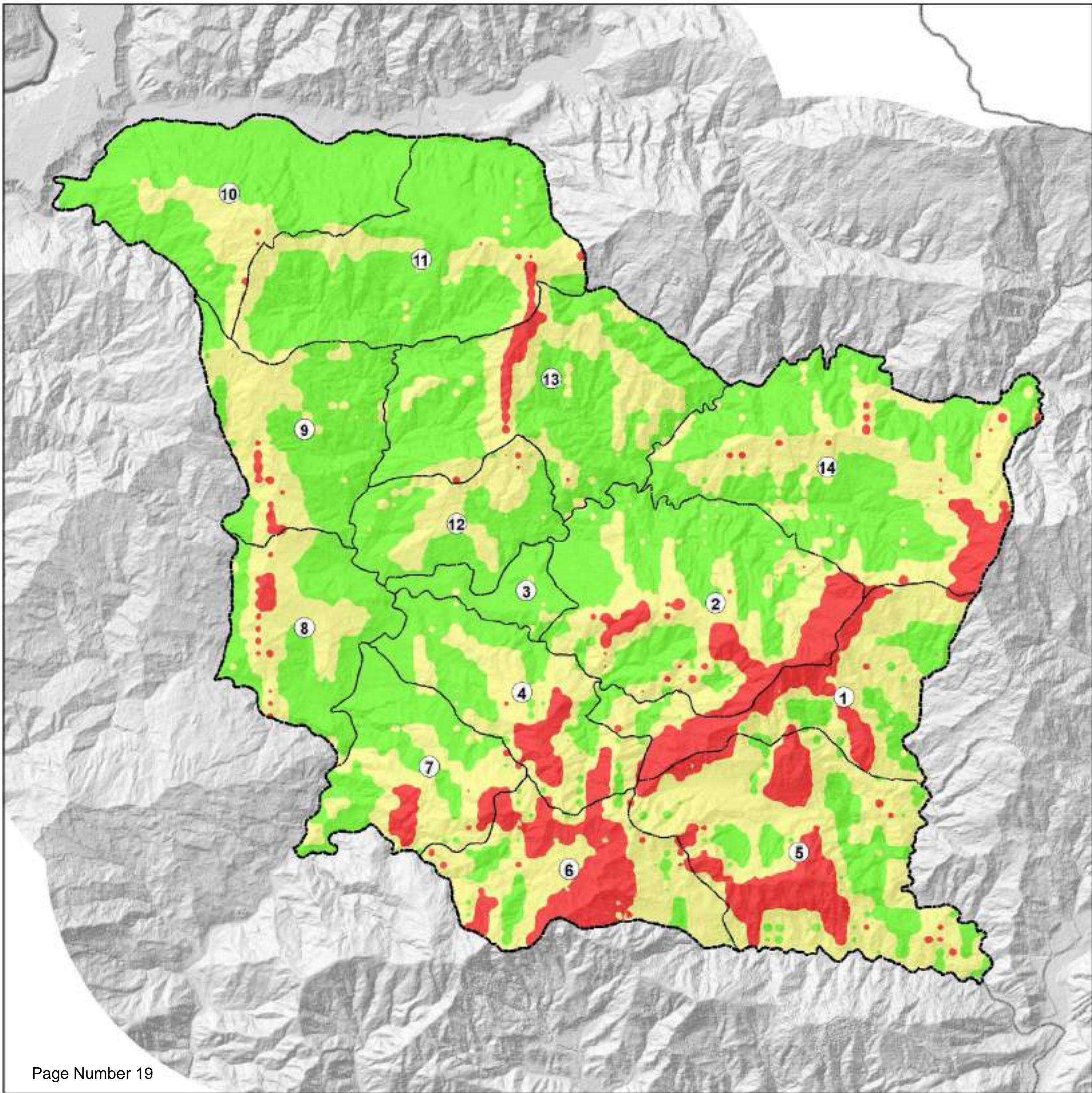


Coordinate System: WGS 1984 UTM Zone 49N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat8; Open Street Map and Field Update of Municipality

Office of the Municipal Executive
 Dulekha Municipality
 Dulekha District
 Kailash Province
 Nepal





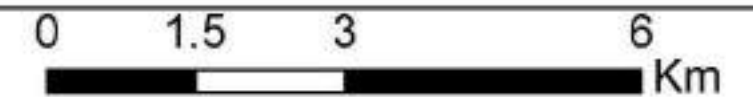
Neelakantha Municipality Wind Hazard Map



Disclaimer: TM, USGS and other names used on this map are not necessarily official measurements or locations of the US Government or USAID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Low
- Medium
- High



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000

False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat8; Open Street Map and Field Update of Municipality



Office of the Municipal Executive
 Duleh Municipality
 Duleh District
 Karnali Province
 Nepal



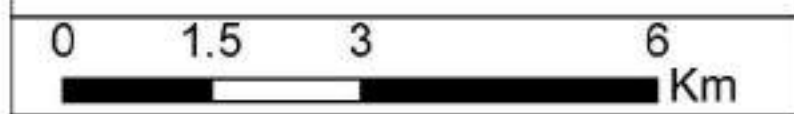
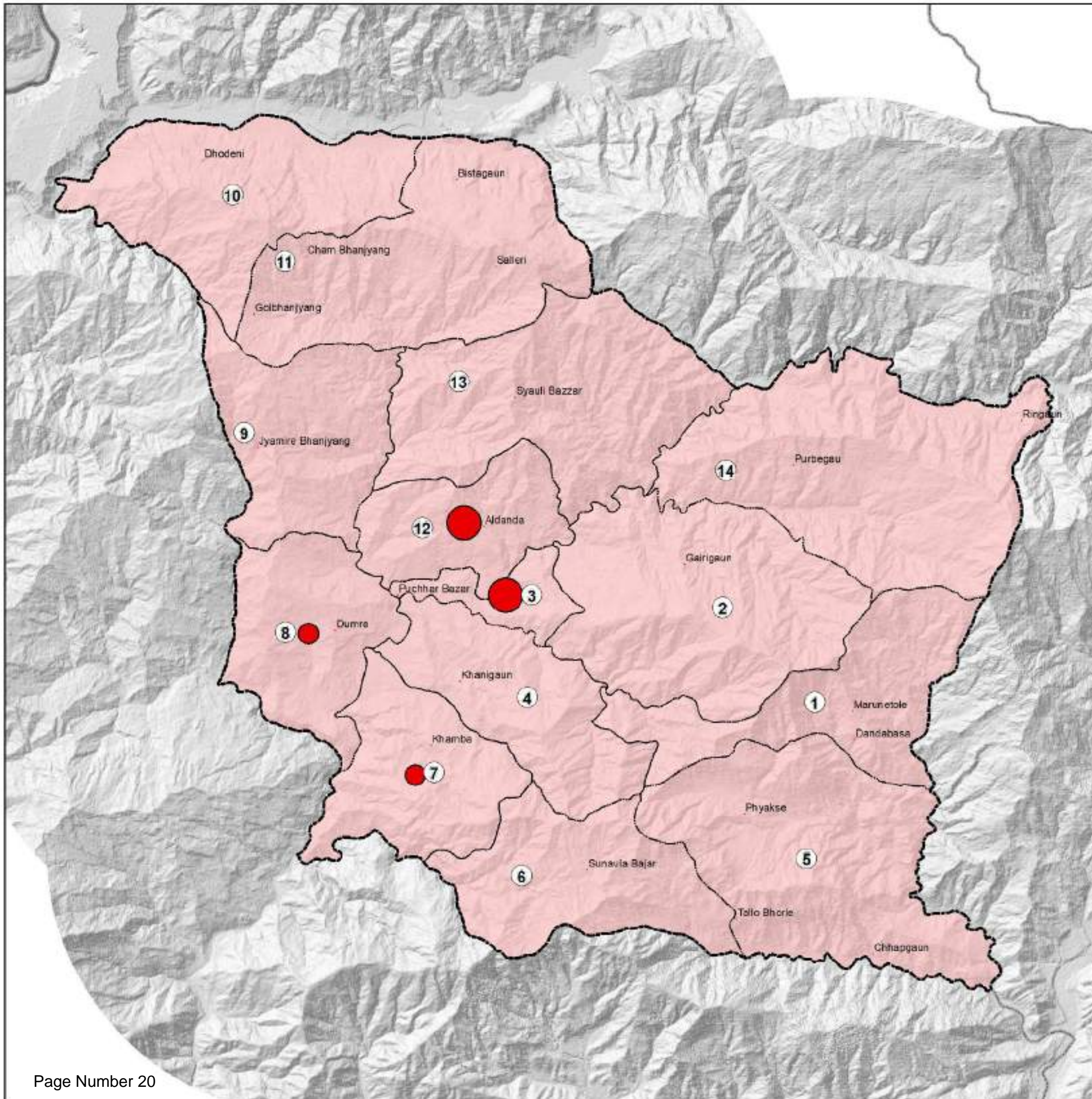
Neelakantha Municipality Lightning Fatality Events Map



Disclaimer: The User shall be responsible for the use of the data. USAID does not warrant the accuracy of the US Government or USAID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- 1
- 4



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat8; Open Street Map and Field Update of Municipality

Office of the Municipal Executive
Dule Municipality
Dulekh District
Karnali Province
Nepal

USAID
U.S. Agency for International Development

Neelakantha Municipality

MHRA Map



Disclaimer: The boundaries and names shown on this map do not imply official endorsement or acceptance by the US Government or USAID.

Legend

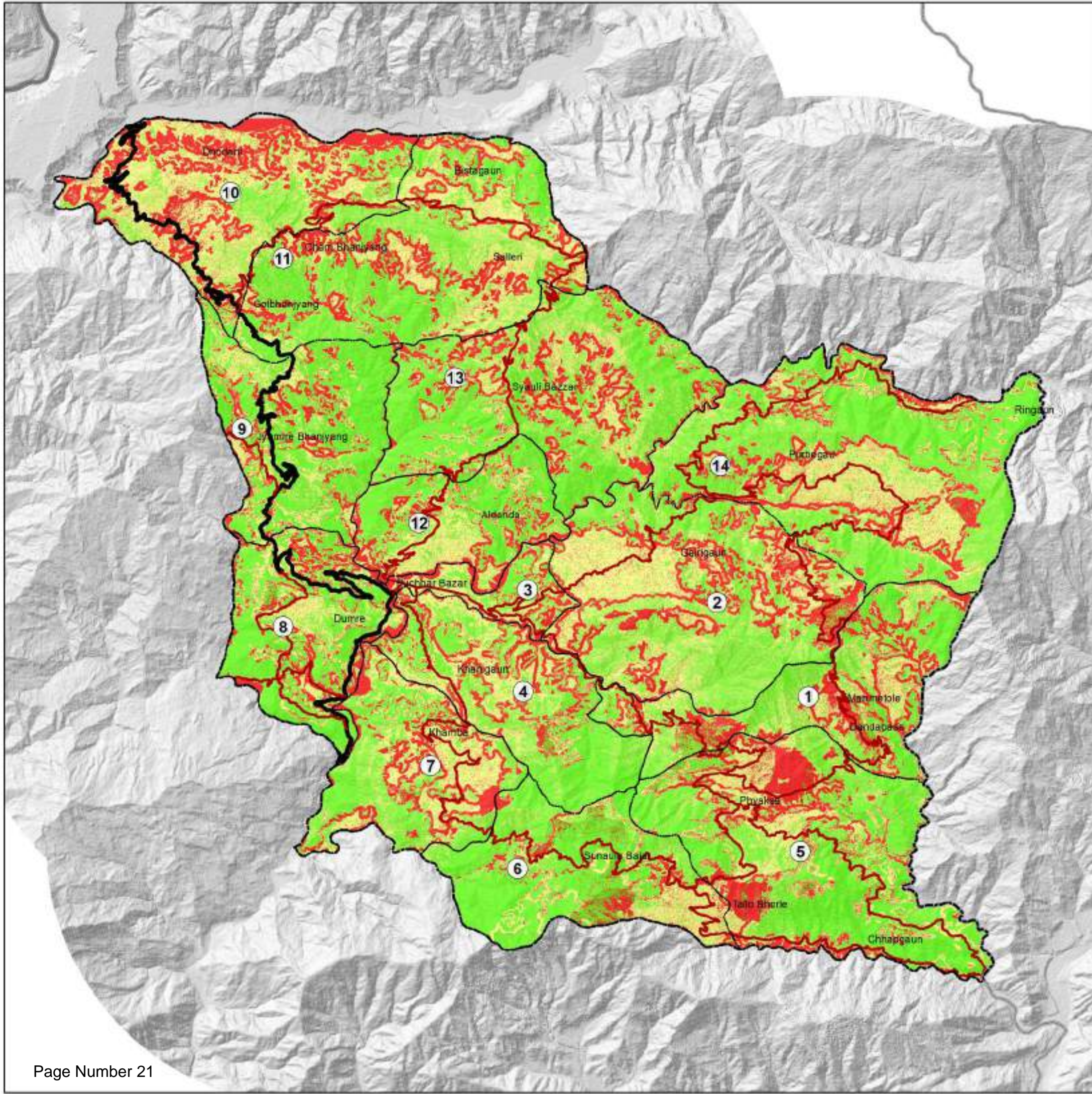
- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Low Hazard
- Medium Hazard
- High Hazard



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat, Open Street Map and Field update of Municipality

Office of the Municipal Executive
 Duku Municipality
 Dalesh District
 Kailash Pradesh
 Nepal



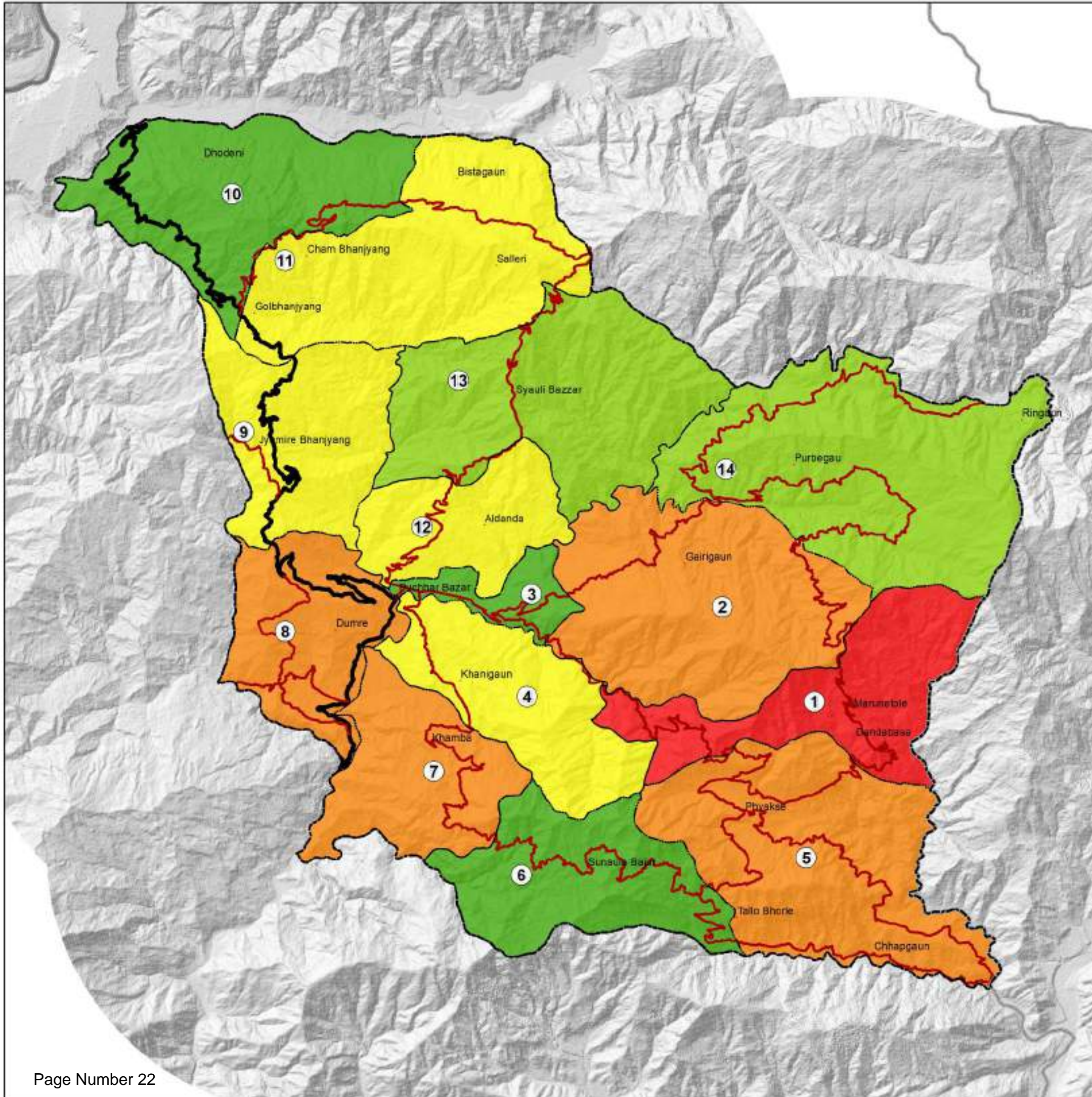
Neelakantha Municipality Wardwise Vulnerability



Disclaimer: The boundaries and names shown on this map do not imply official endorsement or acceptance by the US Government or USAID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- 0.01 - 0.02
- 0.03 - 0.05
- 0.06 - 0.70
- 0.71 - 0.73
- 0.74 - 0.78



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat, Open Street Map and Field update of Municipality



Office of the Municipal Executive
 Dullu Municipality
 Dalesh District
 Kailash Pradesh
 Nepal



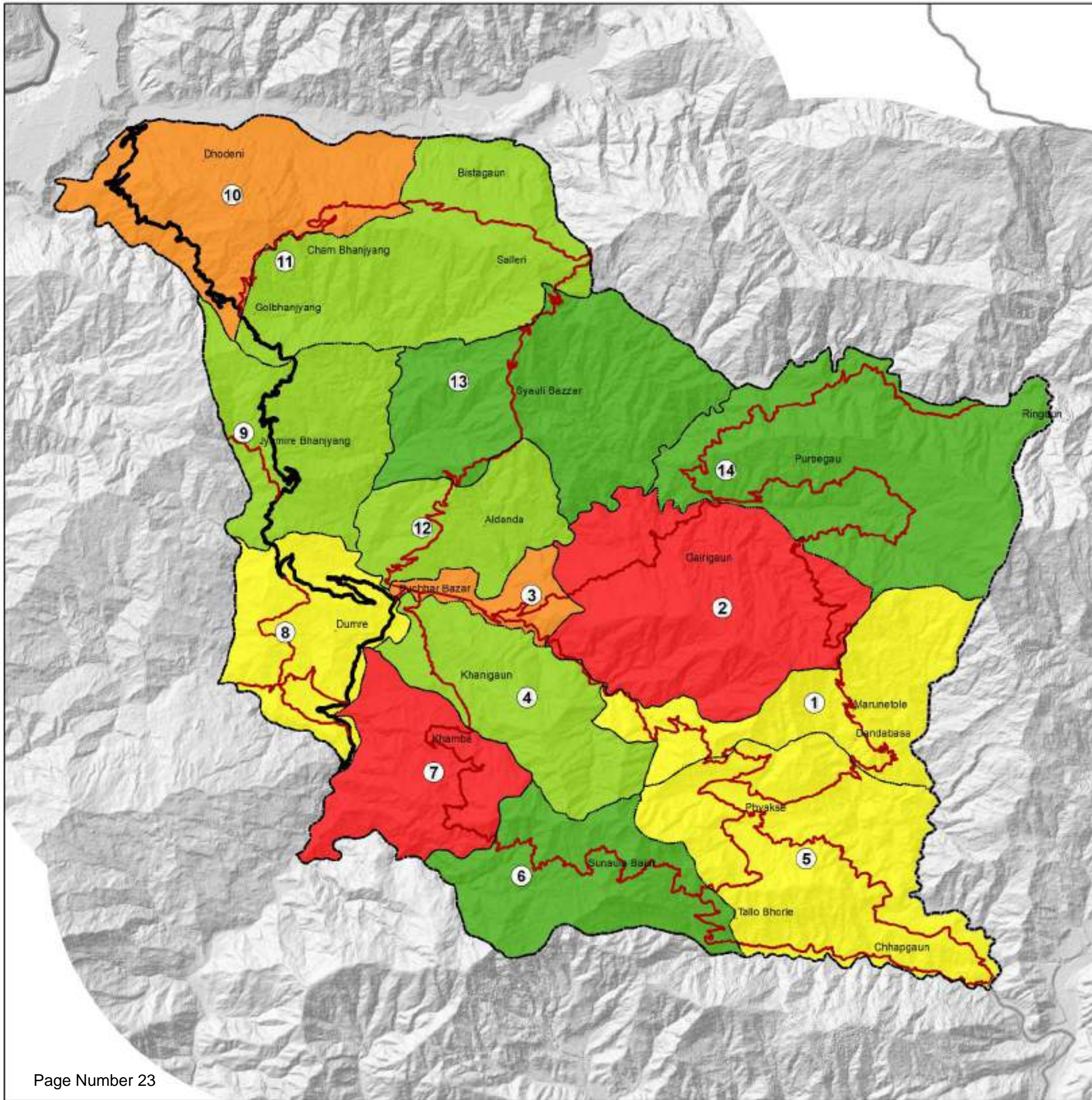
Neelakantha Municipality Wardwise Hazard Risk



Disclaimer: The boundaries and names shown on this map do not imply official endorsement or acceptance by the US Government or USAID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- 0.41 - 0.65
- 0.66 - 0.70
- 0.71 - 0.78
- 0.79 - 1.24
- 1.25 - 1.46



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat, Open Street Maps and Field update of Municipality



Office of the Municipal Executive
 Duku Municipality
 Dalesh District
 Kailash Pradesh
 Nepal



Neelakantha Municipality Population Density Map



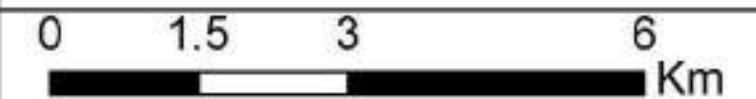
Disclaimer: TM, Coordinates and names used on this map are for reference. Official measurements and locations are the US Government or USAGD.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary

Population Density/Sq.km

- > 345
- 253 - 344
- 221 - 252
- 143 - 220
- <142



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 false easting: 500,000.0000

false northing: 0.0000
 central meridian: 87.0000
 scale factor: 0.9996
 latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat8; Open Street Map and Field Update of Municipality



Office of the Municipal Executive
 Duleh Municipality
 Duleh District
 Kailash Pradesh
 Nepal



Neelakantha Municipality
Growth Trend Map 2011



Disclaimer: The boundaries and names shown on this map do not imply official endorsement or acceptance by the US Government or USAID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Built Up
- Cultivated Land
- Forest Land
- Grass Land
- Orchard
- Landslide
- Pond
- Sand
- River



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat, Open Street Map and Field Update of Municipality



Office of the Municipal Executive
 Dullu Municipality
 Dalesh District
 Kailash Pradesh
 Nepal



Neelakantha Municipality

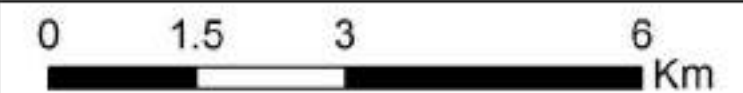
Growth Trend Map 2021



Disclaimer: The boundaries and names shown on this map do not imply official endorsement or acceptance by the US Government or USAID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Builtup
- Cultivation
- Forest
- Shrub/Bushed
- Grass Land
- Open Space
- Landslide
- Pond
- Sand
- River



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View2, Landsat, Open Street Map, and First Update of Municipality



Office of the Municipal Executive
 Duku Municipality
 Dolekh District
 Kailash Pradesh
 Nepal



Neelakantha Municipality

Land Use Map - 2031



Disclaimer: TM, USGS, and other sources are used to create this map. All data were obtained from the US Government or USGID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Builtup
- Cultivation
- Forest
- Water



Coordinate System: WGS 1984 UTM Zone 45N
Projection: Transverse Mercator
Datum: WGS 1984
False easting: 500,000.0000
False northing: 0.0000
Central meridian: 87.0000
Scale factor: 0.9996
Latitude of origin: 0.0000
Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat8
Open Street Map and Field Observations of Municipality



Office of the Municipal Executive
Duleh Municipality
Duleh District
Karnali Province
Nepal



Neelakantha Municipality

Land Use Map - 2041



Disclaimer: TM, USGS, and other sources are the source of the data. USGS does not warrant the accuracy of the US Government or USGS.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Builtup
- Cultivation
- Forest
- Water



Coordinate System: WGS 1984 UTM Zone 45N
Projection: Transverse Mercator
Datum: WGS 1984
False easting: 500,000.0000
False northing: 0.0000
Central meridian: 87.0000
Scale factor: 0.9996
Units of origin: 0.0000
Units: Meter

Data Source: - Topo Map of Survey Department, Government of Nepal; World View 2, Landsat8
Open Street Map and Field Observations of Municipality



Office of the Municipal Executive
Dule Municipality
Dulekhi District
Karnali Province
Nepal



Neelakantha Municipality

Building Information (Different uses)



Disclaimer: The boundaries and names shown on this map do not imply official endorsement or acceptance by the US Government or USAID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Commercial
- Community
- Educational
- Government
- Health
- Mixed (Catholic + Residential)
- Mixed (Residential + Commercial)
- Others
- Residential



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: Topo Maps of Survey Department, Government of Nepal, World View2, Landsat, Open Street Map and Field Update of Municipality



Office of the Municipal Executive
 Dullu Municipality
 Dolekh District
 Kailash Pradesh
 Nepal



Neelakantha Municipality

Building Information (Number of Story)



Disclaimer - The boundaries and names used on this map do not imply official endorsement or acceptance by the US Government or USAID.

Legend

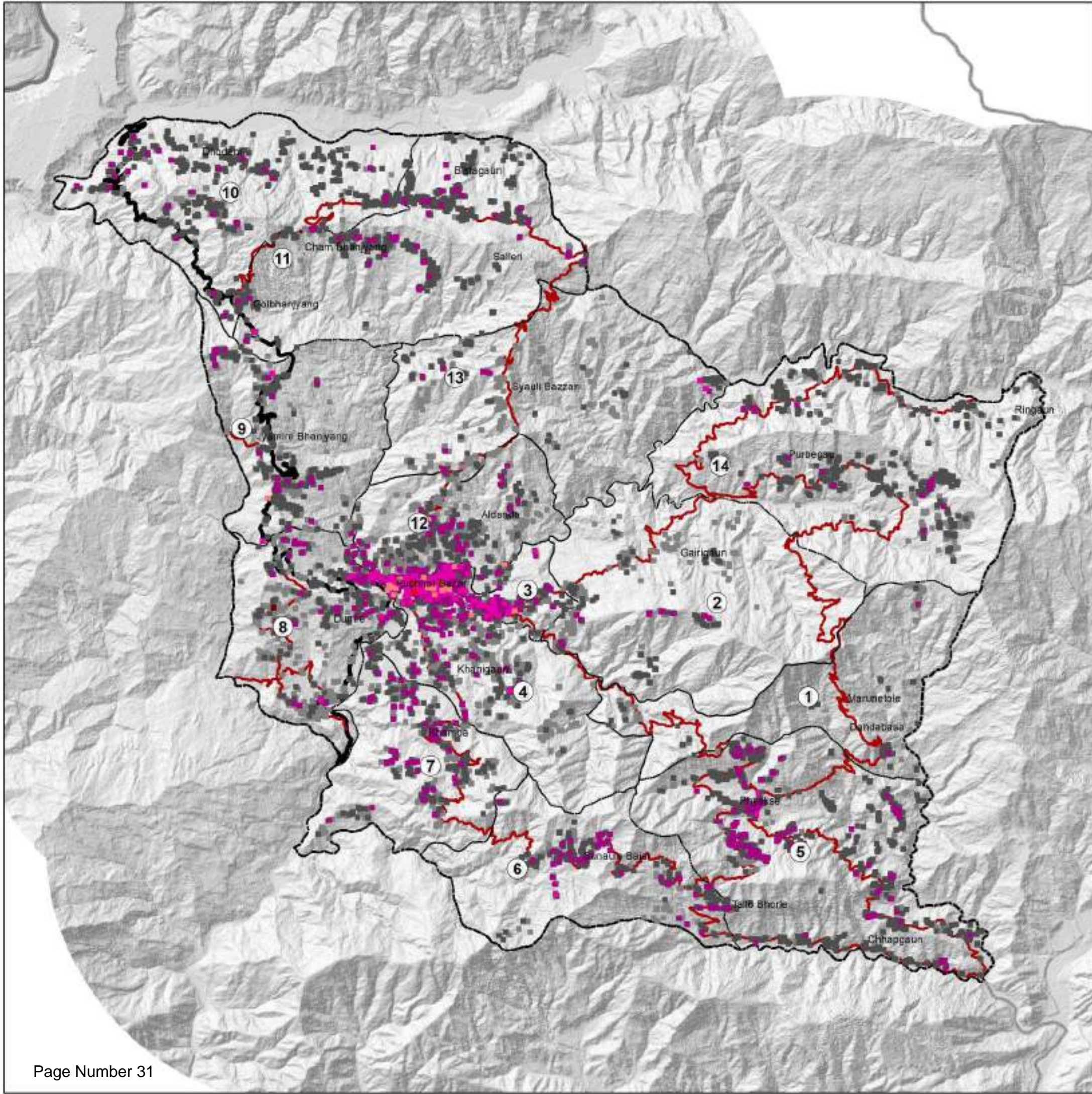
- Province Boundary
- - - Municipal Boundary
- District Boundary
- Ward Boundary
- 8
- 7
- 6
- 5
- 4
- 3
- 2
- 1



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 false easting: 500,000.0000
 false northing: 0.0000
 central meridian: 87.0000
 scale factor: 0.9996
 latitude of origin: 0.0000
 Units: Meter

Data Source :- Topo Maps of Survey Department, Government of Nepal, World View2, Landsat8, Open Street Map and Field Update of Municipality

Office of the Municipal Executive
 Dullu Municipality
 Dailekh District
 Kamali Pradesh
 Nepal



**Neelakantha Municipality
Land Suitability Analysis
Site Slope**



Disclaimer: The boundaries and names shown on this map do not imply official endorsement or acceptance by the US Government or USAID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Highly Suitable
- Moderately Suitable
- Lowly Suitable

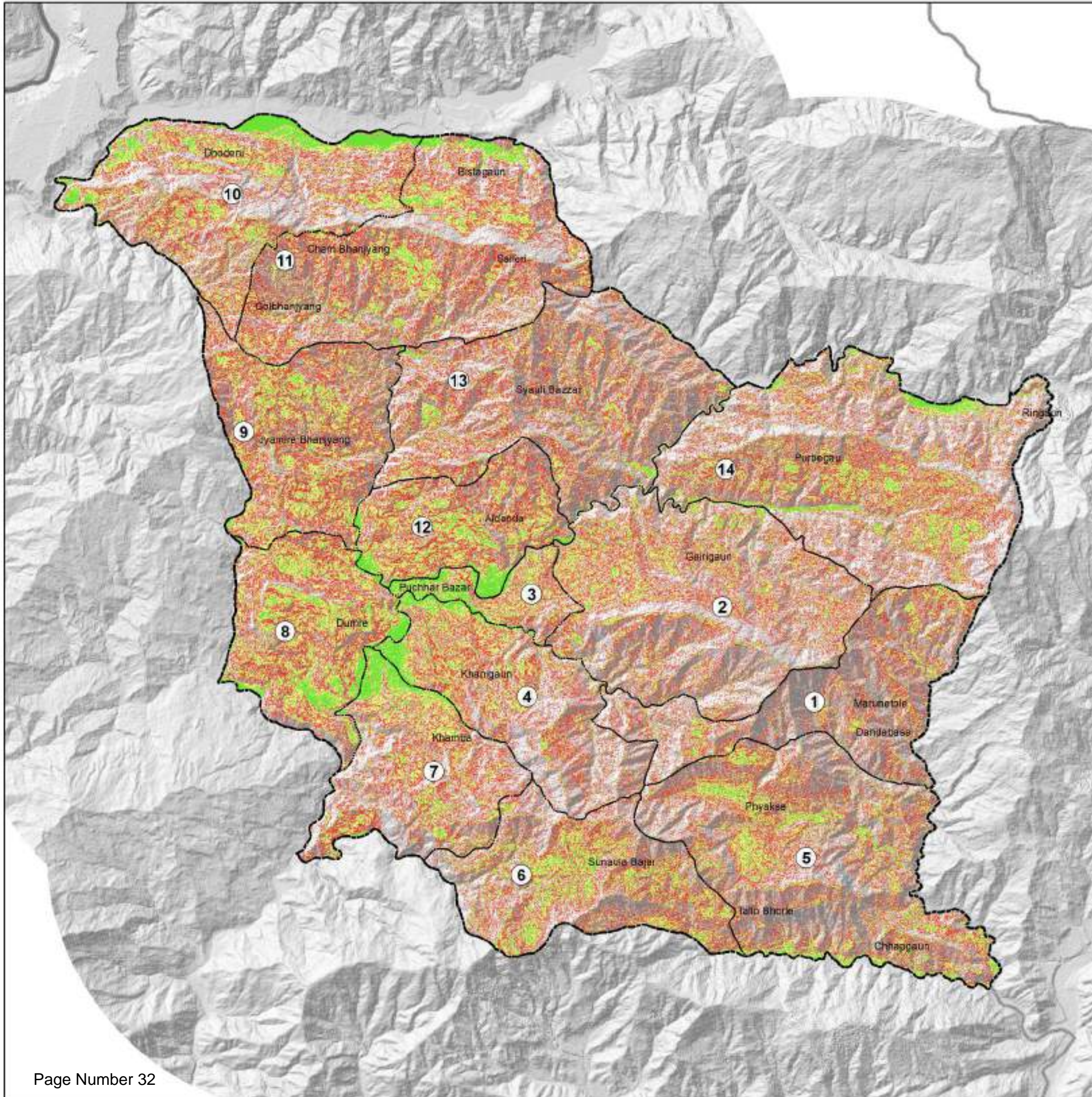


Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat, Open Street Map and Field update of Municipality



Office of the Municipal Executive
 Duku Municipality
 Dalesh District
 Kemaal Pradesh
 Nepal



Neelakantha Municipality Land Suitability Analysis Aspect



Disclaimer: The boundaries and names shown on this map do not imply official endorsement or acceptance by the US Government or USAID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Highly Suitable
- Moderately Suitable
- Lowly Suitable



Coordinate System: WGS 1984 UTM Zone 48N
 Projection: Transverse Mercator
 Datum: WGS 1984
 false easting: 500,000,000
 false northing: 0.0000
 central meridian: 87.0000
 scale factor: 0.9996
 latitude of origin: 0.0000
 Units: Meter

Data Source: Topo Map of Survey Department, Government of Nepal, World View-2, Landsat8, Open Street Map and Field update of Municipality

Office of the Municipal Executive
 Duku Municipality
 Dalesh District
 Karnali Pradesh
 Nepal










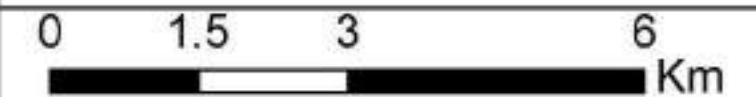
Neelakantha Municipality Land Capability Suitability Map



Disclaimer: TM, USGS and other sources are not responsible for any errors or omissions. Official use is not intended. For the US Government or USAID.

Legend

-  Province Boundary
-  Municipal Boundary
-  District Boundary
-  Ward Boundary
-  Highly Suitable
-  Moderately Suitable
-  Lowly Suitable



Coordinate System: WGS 1984 UTM Zone 49N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat8; Open Street Map and Field Update of Municipality



Office of the Municipal Executive
 Dulekha Municipality
 Dulekha District
 Kailash Province
 Nepal



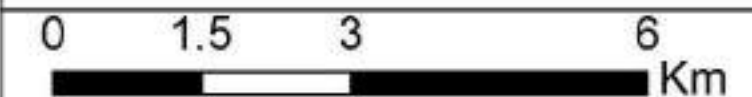
Neelakantha Municipality Flood Susceptibility Suitability Map



Disclaimer: TM, USGS and other sources are not responsible for any errors or omissions in this document or its contents. The US Government is not liable for any errors or omissions in this document or its contents.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Highly Suitable
- Moderately Suitable
- Lowly Suitable



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 false easting: 500,000.0000
 false northing: 0.0000
 central meridian: 87.0000
 scale factor: 0.9996
 latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat8; Open Street Map and Field Update of Municipality



Office of the Municipal Executive
 Dule Municipality
 Dolekh District
 Kailash Pradesh
 Nepal



Neelakantha Municipality Land Suitability Analysis Landslide Susceptibility



Disclaimer: The boundaries and names shown on this map do not imply official endorsement or acceptance by the US Government or USAID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Highly Suitable
- Moderately Suitable
- Lowly Suitable



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat, Open Street Map and Field update of Municipality



Office of the Municipal Executive
 Dullu Municipality
 Dolekh District
 Kailash Pradesh
 Nepal



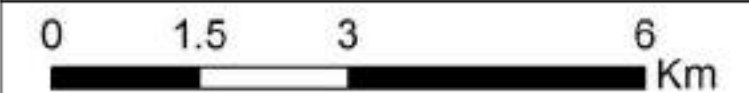
Neelakantha Municipality Land Suitability Analysis Settlement Proximity



Disclaimer: The boundaries and names shown on this map do not imply official endorsement or acceptance by the US Government or USAID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Highly Suitable
- Moderately Suitable
- Lowly Suitable



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat, Open Street Map and Field update of Municipality



Office of the Municipal Executive
 Duku Municipality
 Dalesh District
 Kailash Pradesh
 Nepal



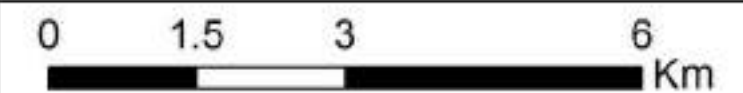
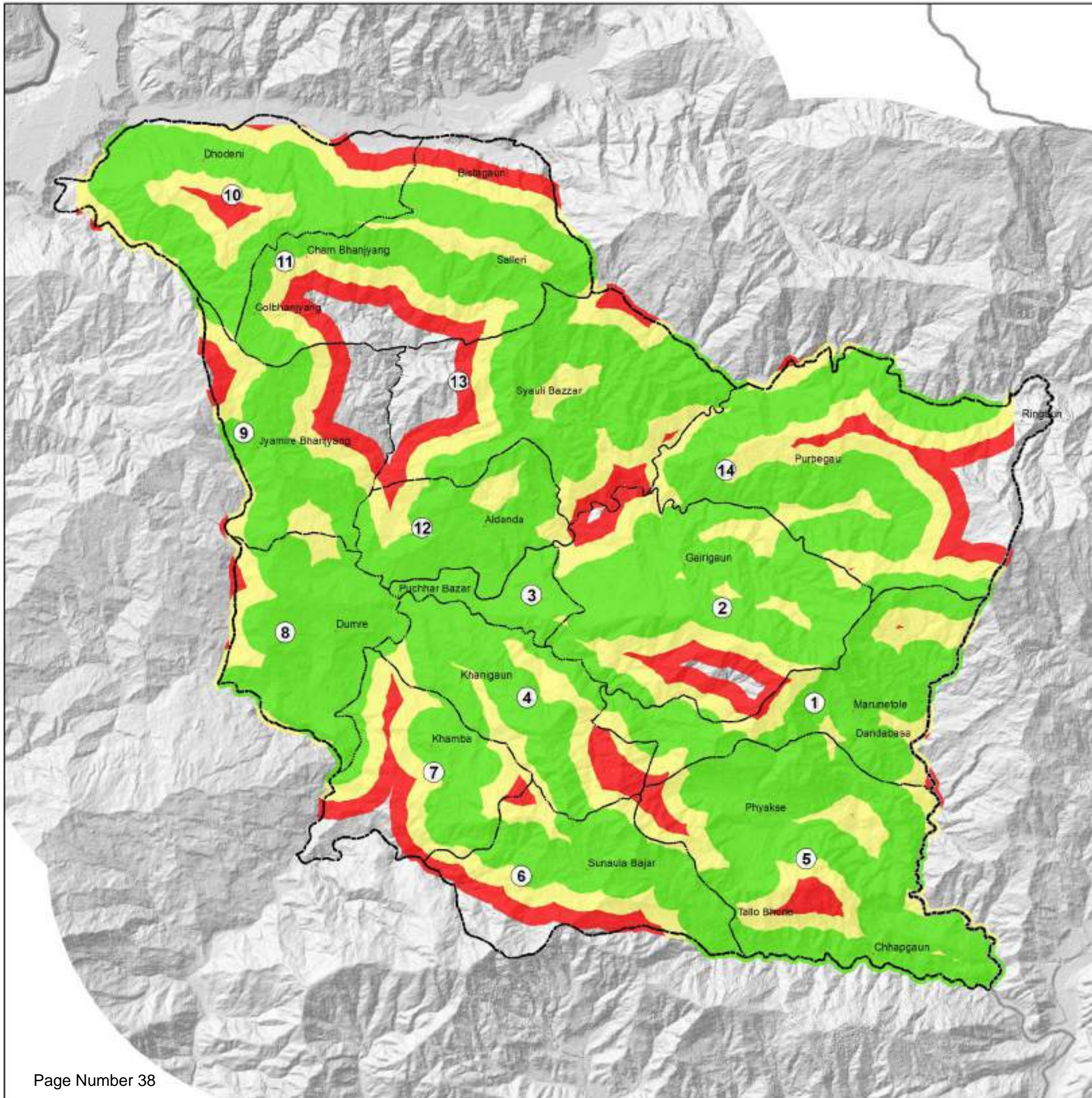
Neelakantha Municipality Land Suitability Analysis Road Access



Disclaimer: The boundaries and names shown on this map do not imply official endorsement or acceptance by the US Government or USAID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Highly Suitable
- Moderately Suitable
- Lowly Suitable



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat, Open Street Map and Field Update of Municipality



Office of the Municipal Executive
 Duku Municipality
 Dolekh District
 Kailash Pradesh
 Nepal



Neelakantha Municipality

Physical Suitability



Disclaimer: The boundaries and names shown on this map do not imply official endorsement or acceptance by the US Government or USAID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Highly Suitable
- Moderately Suitable
- Lowly Suitable



Coordinate System: WGS 1984 UTM Zone 45N
Projection: Transverse Mercator
Datum: WGS 1984
False easting: 500,000.0000

False northing: 0.0000
Central meridian: 87.0000
Scale factor: 0.9996
Latitude of origin: 0.0000
Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat, Open Street Map, and Field updates of Municipality



Office of the Municipal Executive
Duku Municipality
Dalekh District
Karnali Pradesh
Nepal



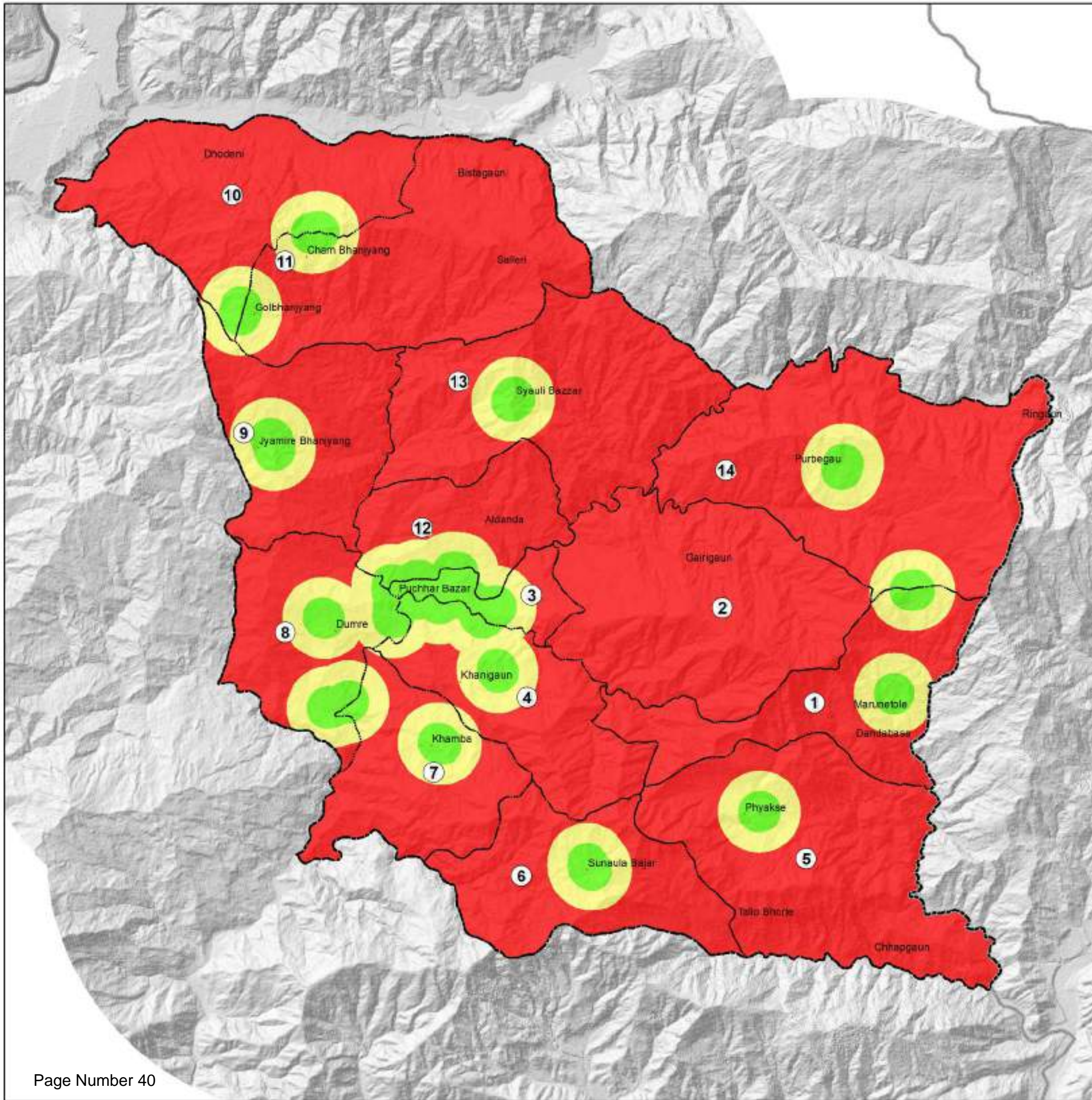
Neelakantha Municipality Socio-economic Criteria Market Proximity



Disclaimer: The boundaries and names shown on this map do not imply official endorsement or acceptance by the US Government or USAID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Highly Suitable
- Moderately Suitable
- Lowly Suitable



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 false northing: 0.0000
 central meridian: 87.0000
 scale factor: 0.9996
 latitude of origin: 0.0000
 Units: meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat, Open Street Map, and Field updates of Municipality



Office of the Municipal Executive
 Duku Municipality
 Dolekh District
 Kailash Pradesh
 Nepal



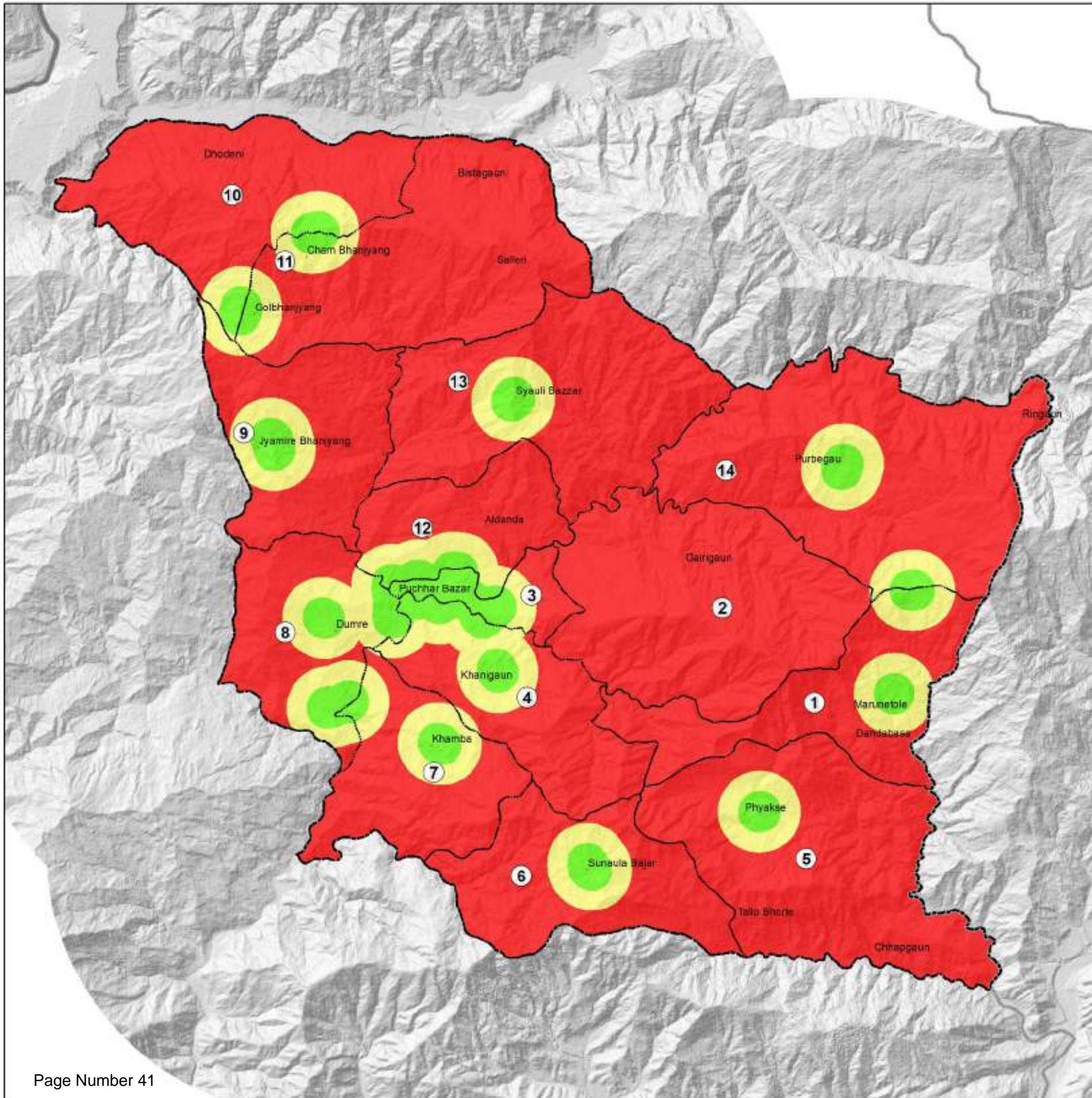
Neelakantha Municipality Socio-economic Criteria Institutional Proximity



Disclaimer: The boundaries and names shown on this map do not imply official endorsement or acceptance by the US Government or USAID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Highly Suitable
- Moderately Suitable
- Lowly Suitable



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat, Open Street Map and Field update of Municipality



Office of the Municipal Executive
 Duku Municipality
 Dolekh District
 Kailash Pradesh
 Nepal



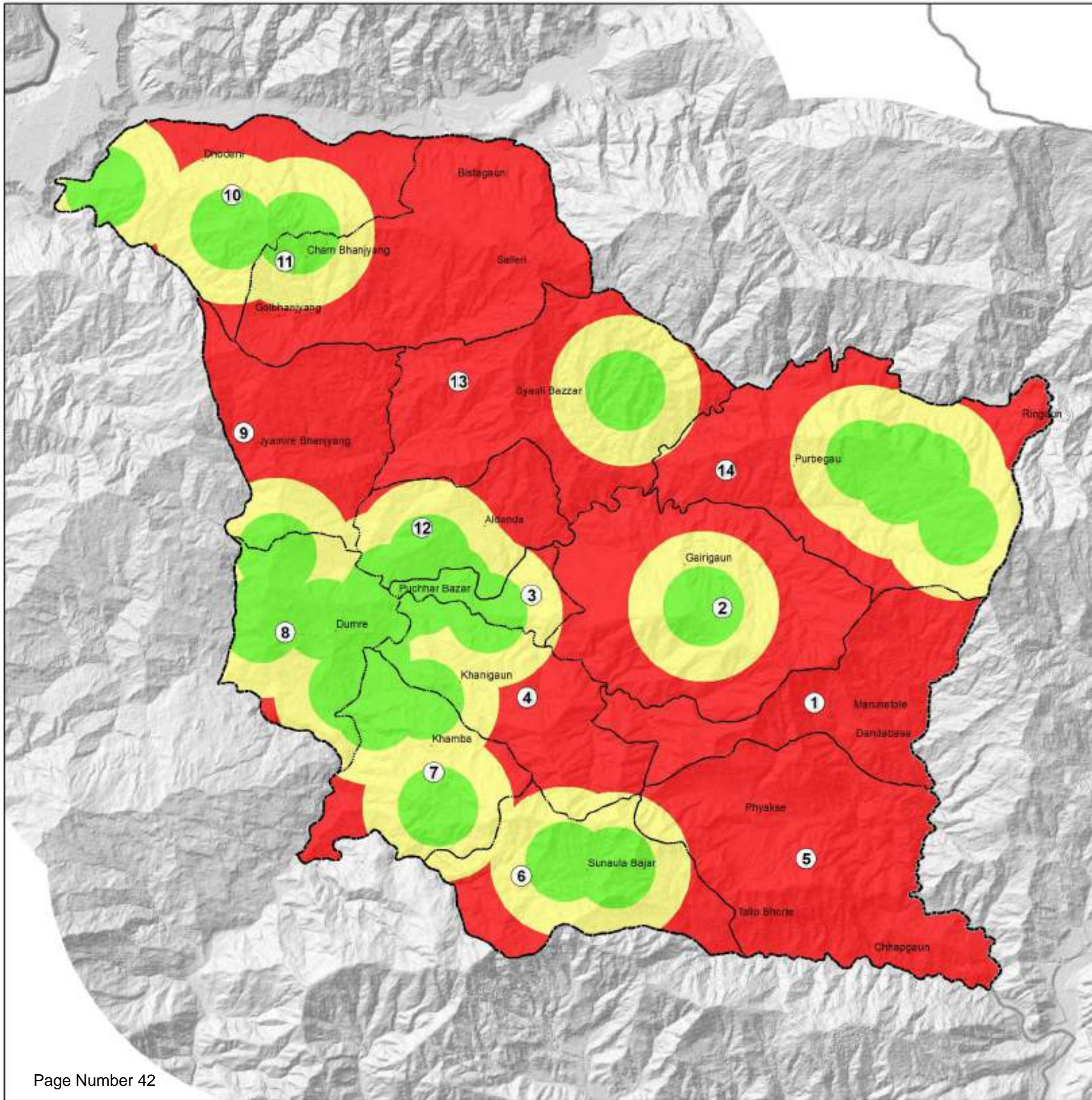
**Neelakantha Municipality
Socio-economic Criteria
Heritage Area Proximity**



Disclaimer: The boundaries and names shown on this map do not imply official endorsement or acceptance by the US Government or USAID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Highly Suitable
- Moderately Suitable
- Lowly Suitable



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat, Open Street Map and Field update of Municipality

Office of the Municipal Executive
Duku Municipality
Dolekh District
Kailash Pradesh
Nepal

USAID

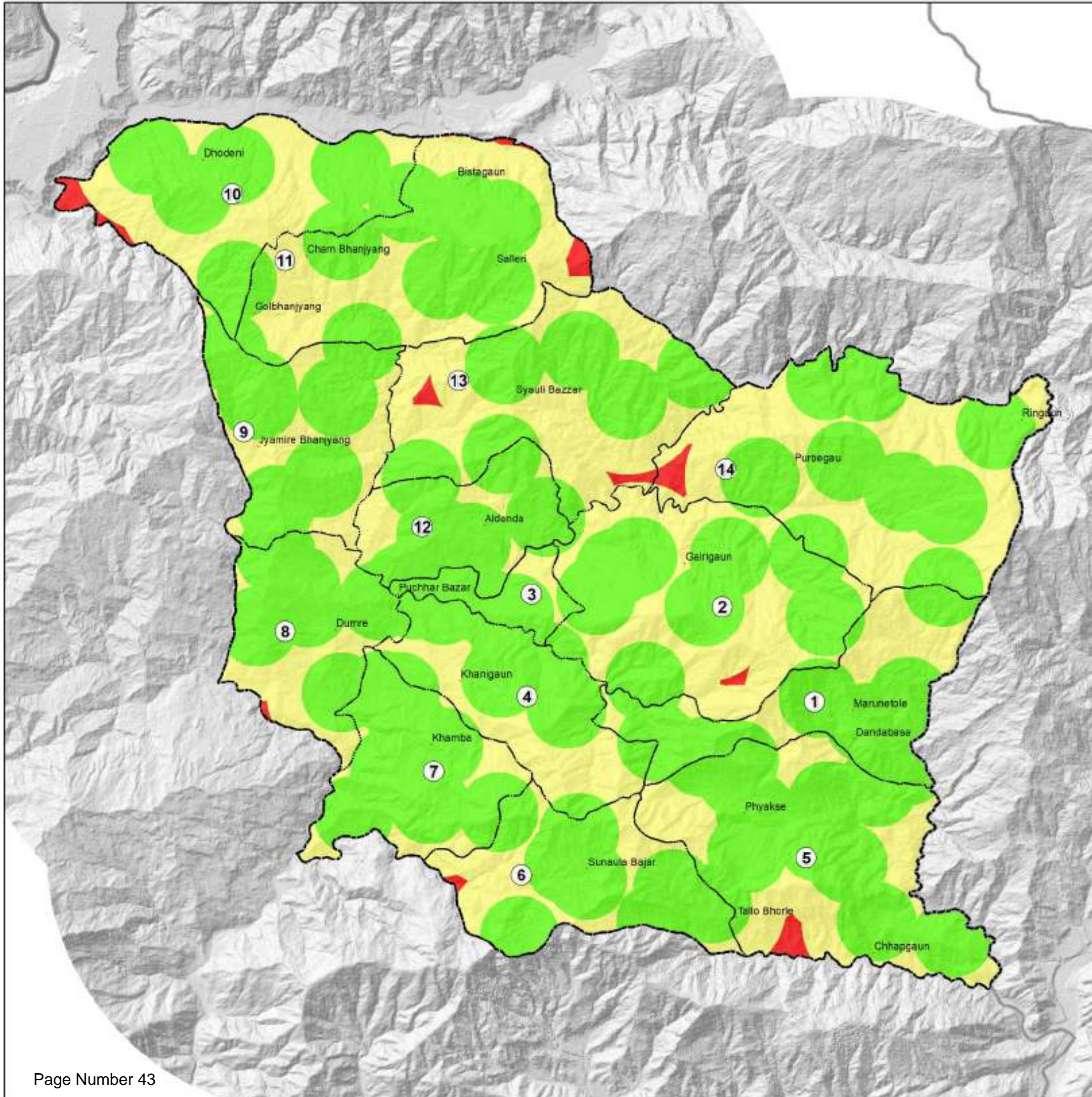
Neelakantha Municipality Socio-economic Criteria Health Service Proximity



Disclaimer: The boundaries and names shown on this map do not imply official endorsement or acceptance by the US Government or USAID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Highly Suitable
- Moderately Suitable
- Lowly Suitable



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat, Open Street Map and Field update of Municipality

Office of the Municipal Executive
Duku Municipality
Dalesh District
Kailash Province
Nepal

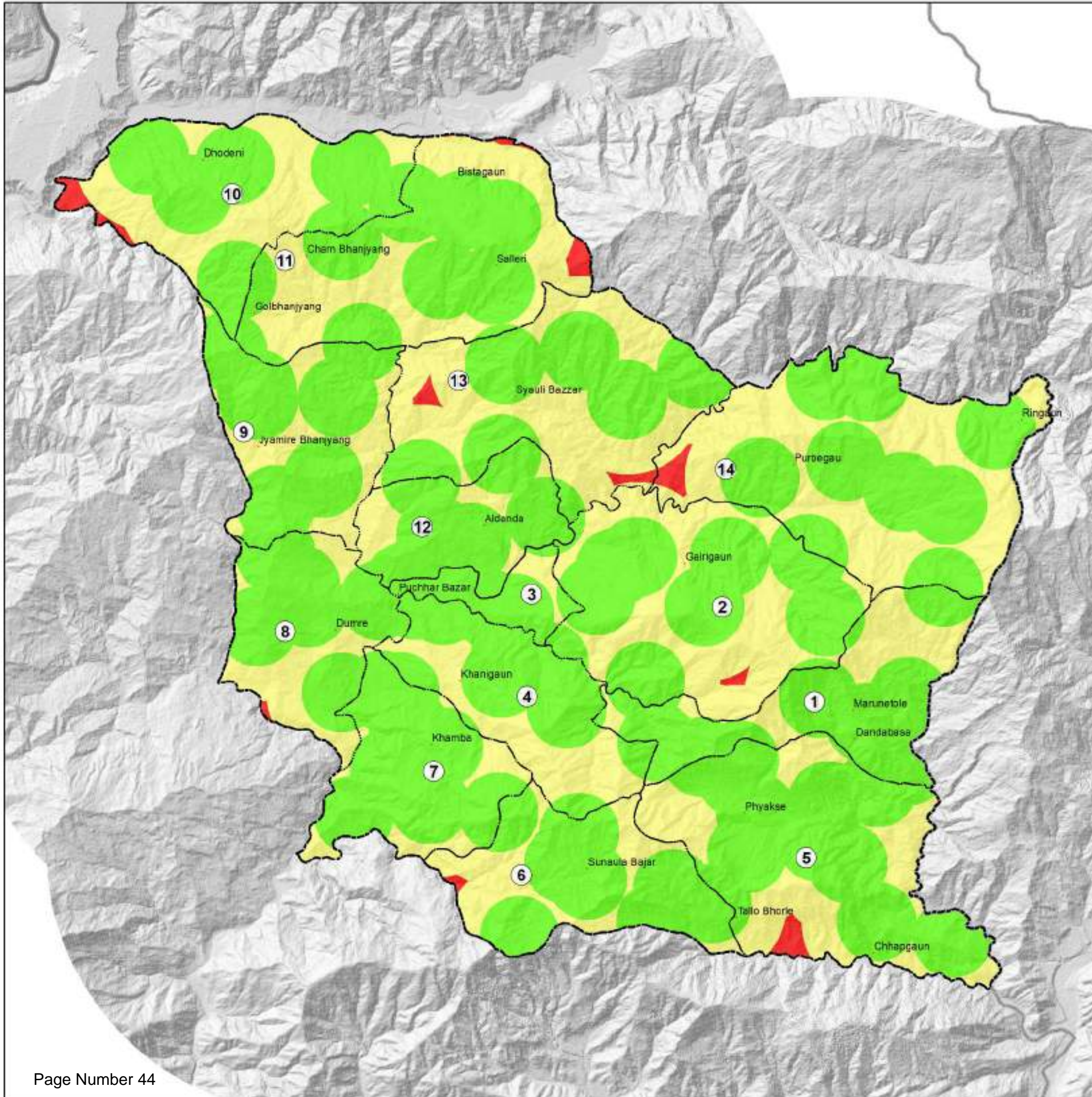
Neelakantha Municipality
Socio-economic Criteria
Educational Service Proximity



Disclaimer: The boundaries and names shown on this map do not imply official endorsement or acceptance by the US Government or USAID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Highly Suitable
- Moderately Suitable
- Lowly Suitable



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat, Open Street Map, and Field updates of Municipality

Office of the Municipal Executive
 Duku Municipality
 Dalesh District
 Kailash Province
 Nepal

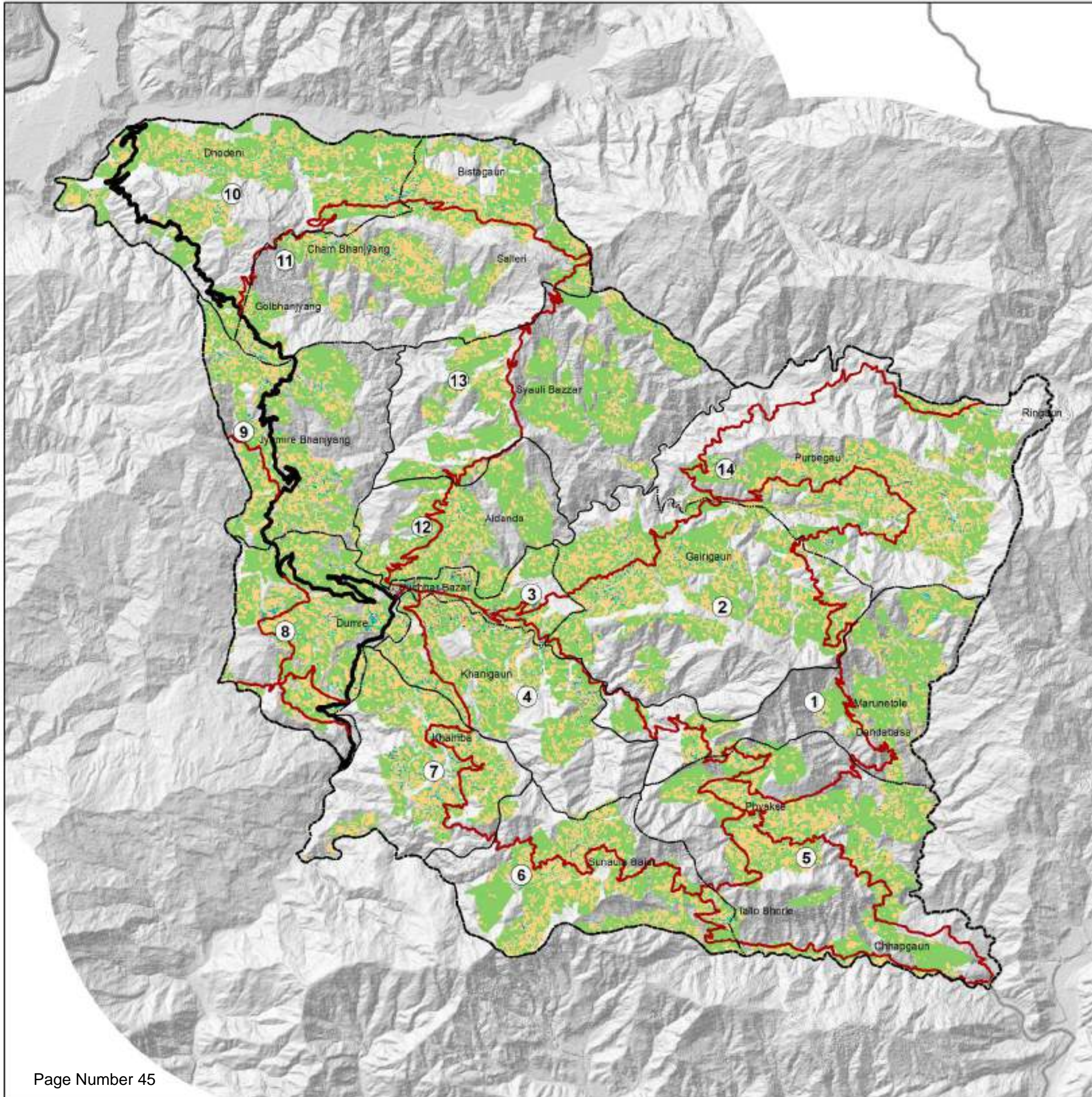
Neelakantha Municipality Parcel Analysis Map



Disclaimer: The boundaries and names shown on this map do not imply official endorsement or acceptance by the US Government or USAID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- 50-80
- 80-127
- 127-256
- 256-512
- 512-1024
- above 1024



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat, Open Street Map and Field update of Municipality



Office of the Municipal Executive
 Duku Municipality
 Dalesh District
 Kailash Pradesh
 Nepal



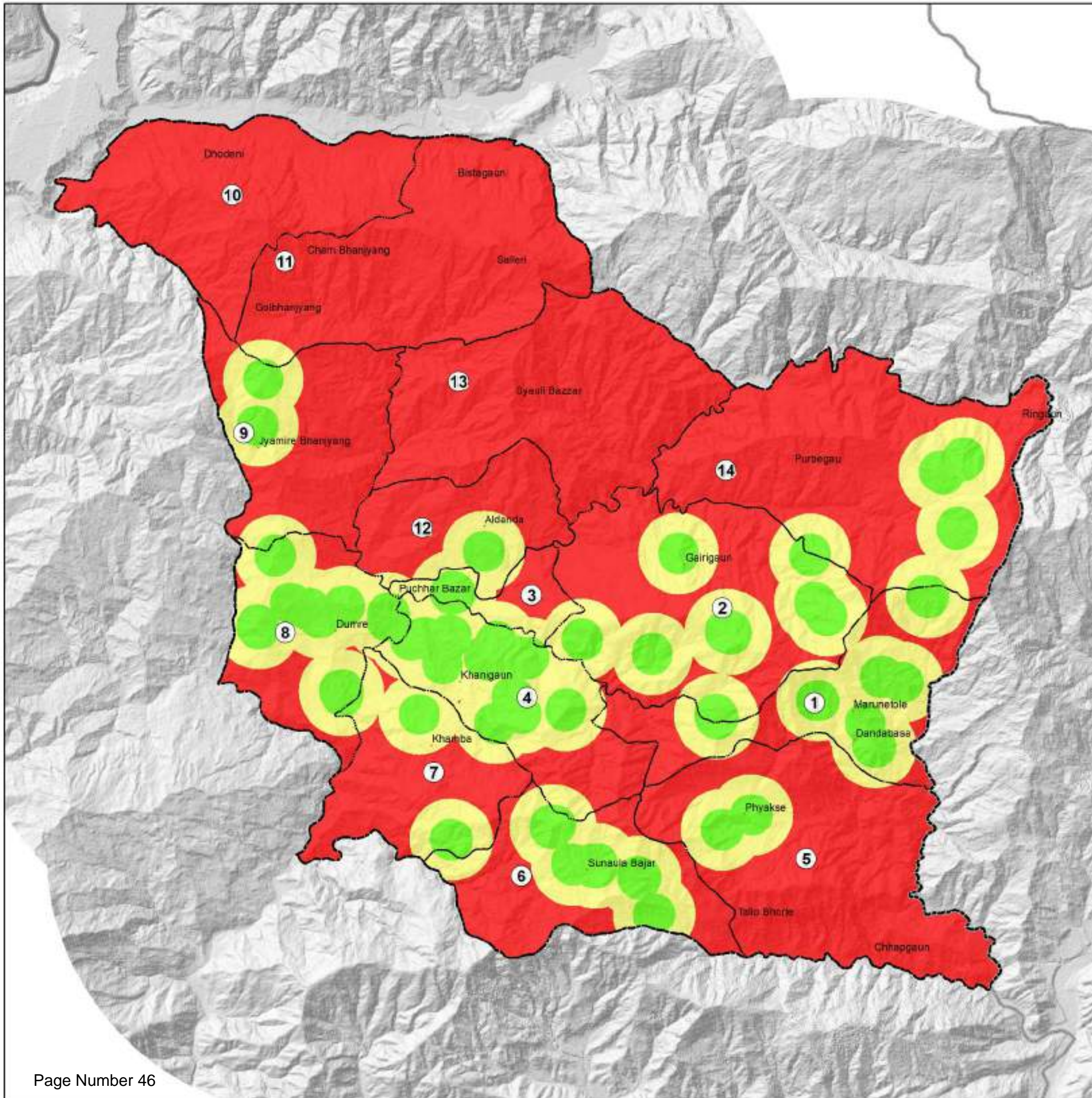
Neelakantha Municipality Socio-economic Criteria Access to Open Space



Disclaimer: The boundaries and names shown on this map do not imply official endorsement or acceptance by the US Government or USAID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Highly Suitable
- Moderately Suitable
- Lowly Suitable



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 false easting: 500,000.0000
 false northing: 0.0000
 central meridian: 87.0000
 scale factor: 0.9996
 latitude of origin: 0.0000
 Units: Meter

Data Source: Topo Maps of Survey Department, Government of Nepal; World View2, Landsat8, Open Street Map and Field Update of Municipality

Office of the Municipal Executive
 Duku Municipality
 Dolekh District
 Kailash Pradesh
 Nepal



Neelakantha Municipality Socio-economic Suitability



Disclaimer: The boundaries and names shown on this map do not imply official endorsement or acceptance by the US Government or USAID.

Legend

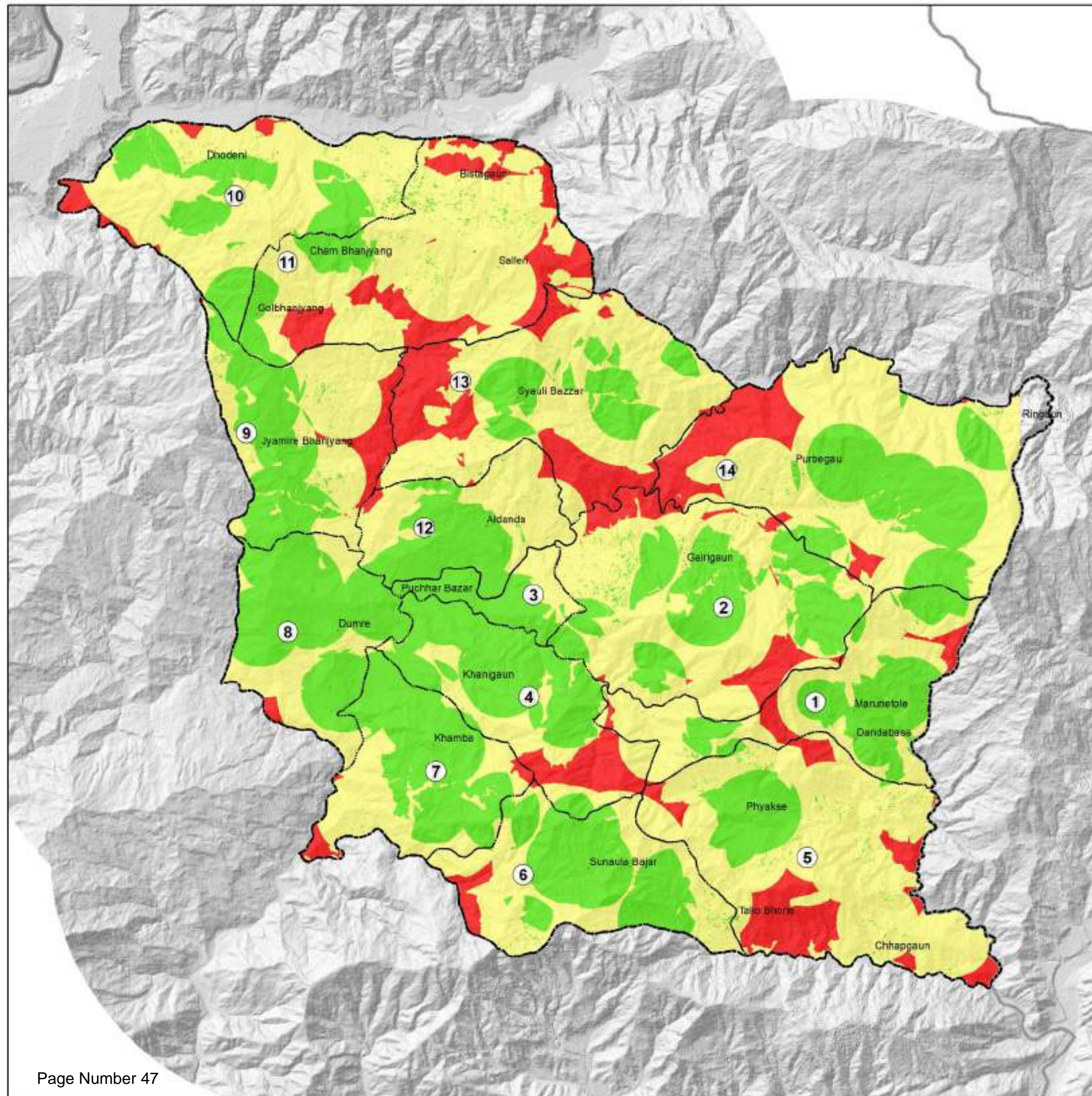
- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Highly Suitable
- Moderately Suitable
- Lowly Suitable



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat, Open Street Map and Field updates of Municipality

Office of the Municipal Executive
 Duku Municipality
 Dalesh District
 Kailash Province
 Nepal



Neelakantha Municipality

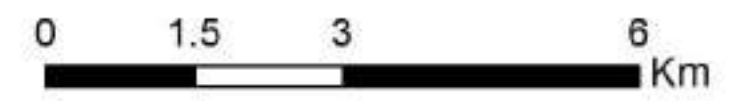
Final Suitability



Disclaimer: This document and materials were prepared by the USAID Mission in Nepal. It does not represent the views or opinions of the US Government or USAID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Highly Suitable
- Moderately Suitable
- Lowly Suitable

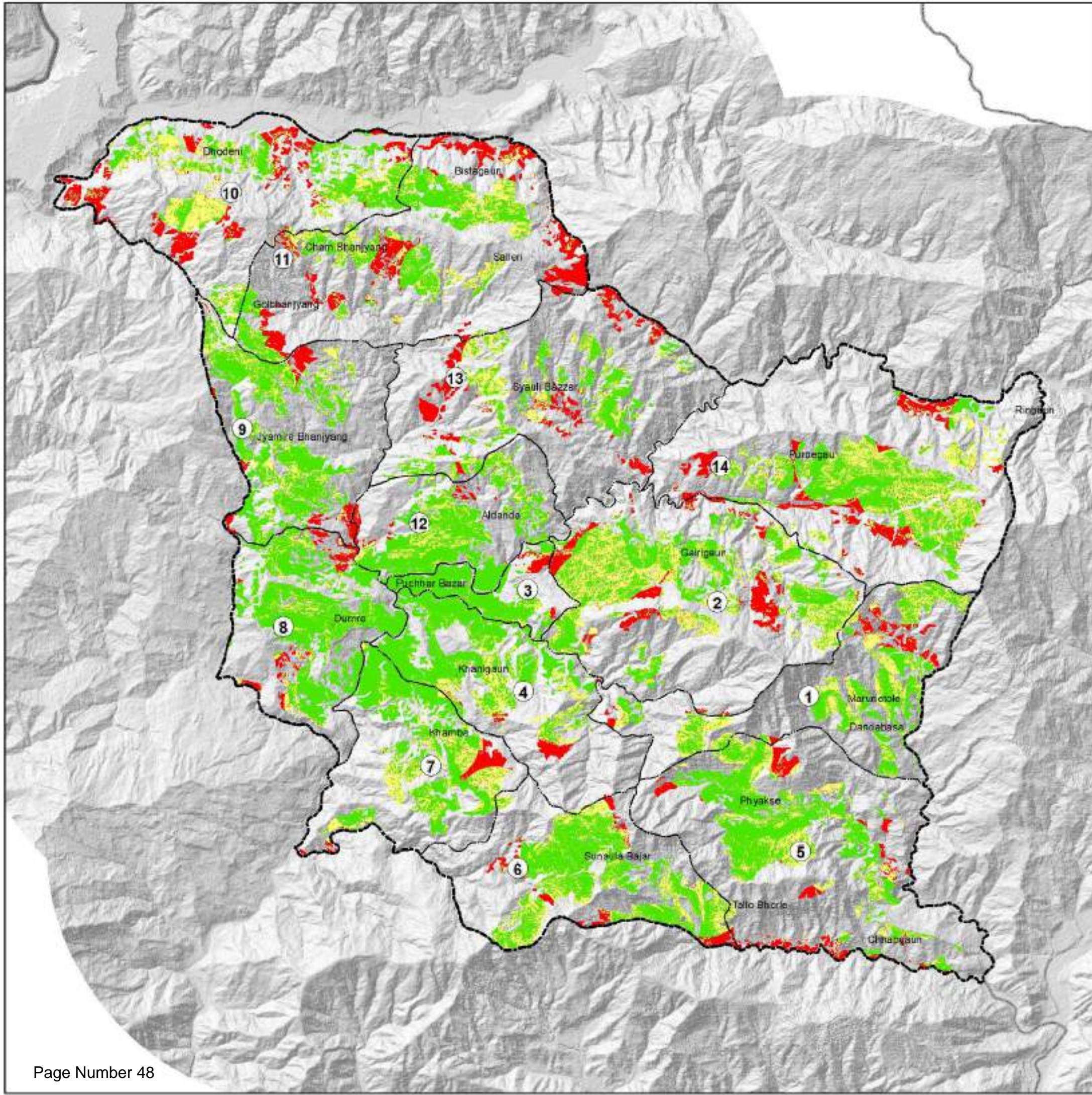


Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat8; Open Street Map and Field Update of Municipality

Office of the Municipal Executive
 Dule Municipality
 Dolekh District
 Kailash Pradesh
 Nepal

USAID
 U.S. Agency for International Development



Neelakantha Municipality Colour Zone (Physical Suitability)



Disclaimer: TM, USGS and other sources are not responsible for any errors or omissions. ©2014 US Government or USAID.

Legend

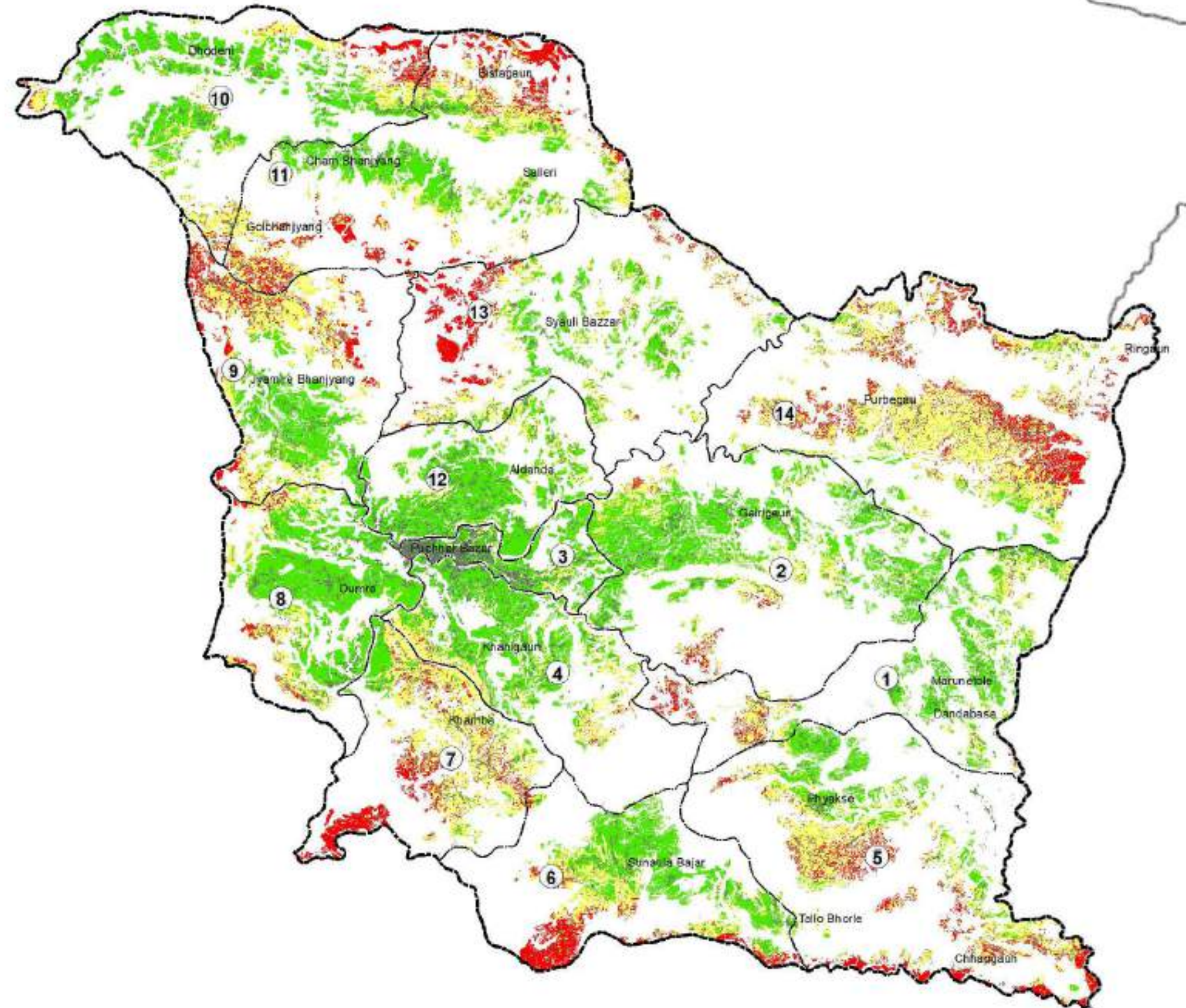
- Buildings
- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Green Zone (Highly Suitable/Low Risk)
- Yellow Zone (Moderately Suitable/Median Risk)
- Red Zone (Lowly Suitable/High Risk)



Coordinate System: WGS 1984 UTM Zone 49N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat8; Open Street Map and Field Analysis of Municipality

Office of the Municipal Executive
 Duleh Municipality
 Duleh District
 Kailash Pradesh
 Nepal



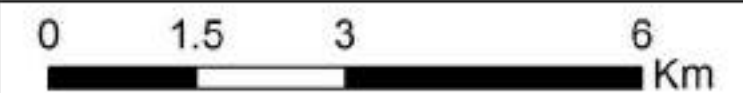
Neelakantha Municipality
Land Suitability (Industrial area)



Disclaimer: The boundaries and names shown on this map do not imply official endorsement or acceptance by the US Government or USAID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Highly Suitable
- Moderately Suitable
- Lowly Suitable



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat, Open Street Map and Field update of Municipality



Office of the Municipal Executive
 Dullu Municipality
 Dolekh District
 Kailash Pradesh
 Nepal



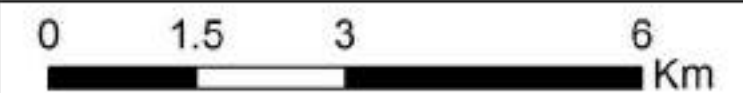
Neelakantha Municipality
Land Suitability (Bus Park)



Disclaimer: The boundaries and names shown on this map do not imply official endorsement or acceptance by the US Government or USAID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Highly Suitable
- Moderately Suitable
- Lowly Suitable



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat, Open Street Map and Field update of Municipality



Office of the Municipal Executive
 Duku Municipality
 Dalesh District
 Kailash Pradesh
 Nepal



Neelakantha Municipality
Land suitability (landfill site)



Disclaimer: The boundaries and names shown on this map do not imply official endorsement or acceptance by the US Government or USAID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Highly Suitable
- Moderately Suitable
- Lowly Suitable

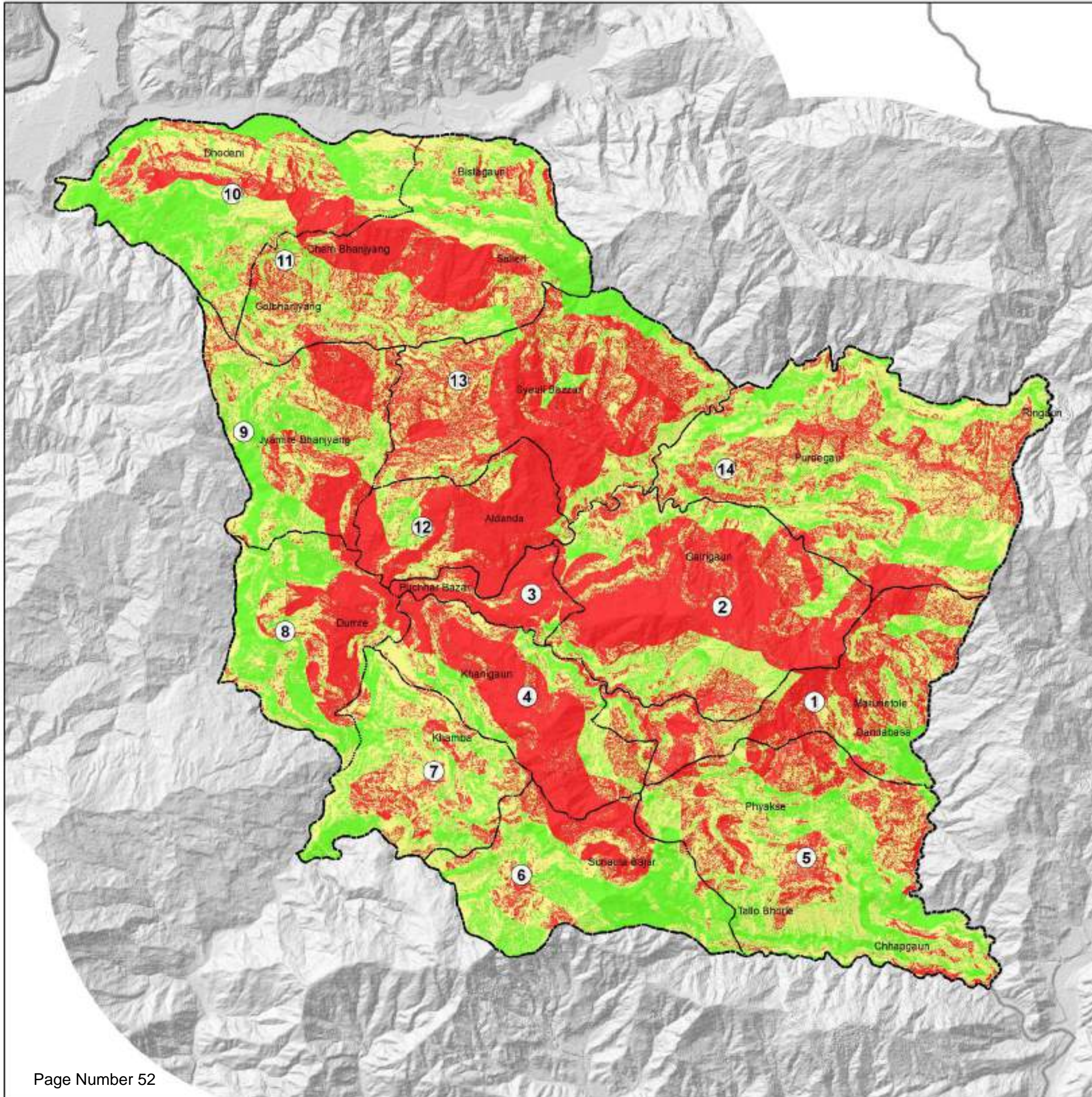


Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat, Open Street Map and Field update of Municipality



Office of the Municipal Executive
 Dullu Municipality
 Dolekh District
 Kemaal Pradesh
 Nepal



Neelakantha Municipality

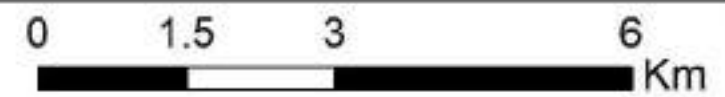
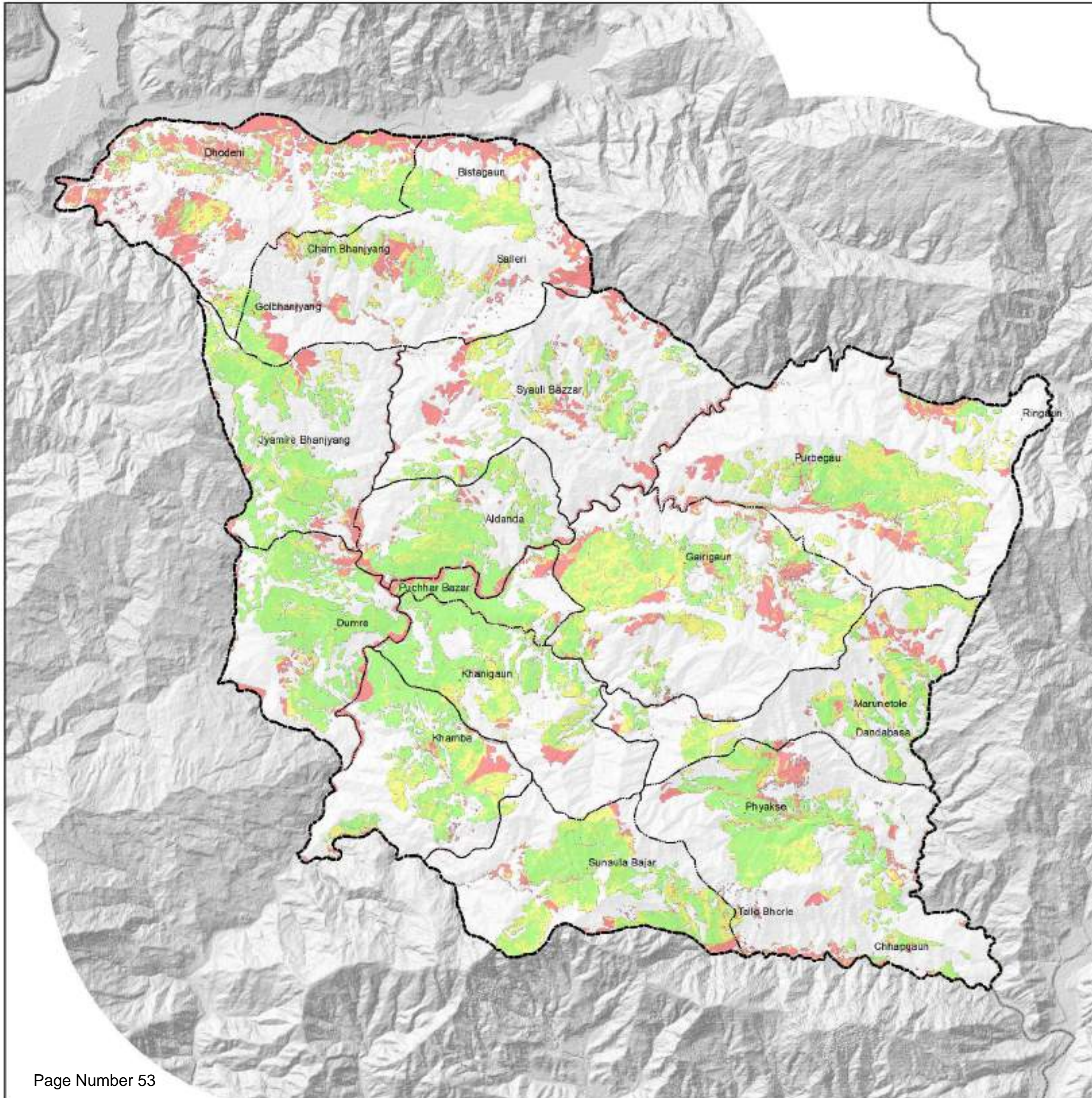
Color Zone Map



Disclaimer: TM, USGS and other sources are used for the map. All data were obtained from the US Government or USGID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Green Zone (Highly Suitable)
- Yellow Zone (Moderately Suitable)
- Red Zone (Lowly Suitable)
- Constraint Area



Coordinate System: WGS 1984 UTM Zone 45N
Projection: Transverse Mercator
Datum: WGS 1984
False easting: 500,000.0000
False northing: 0.0000
Central meridian: 87.0000
Scale factor: 0.9996
Latitude of origin: 0.0000
Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat8; Open Street Map and Field Analysis of Municipality

Office of the Municipal Executive
Daha Municipality
Daha District
Kailash Pradesh
Nepal

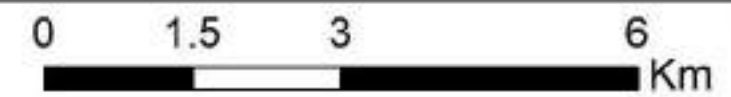
Neelakantha Municipality Proposed Risk Sensitive Land Use Zone Map



Source: TM, USGS and other sources. All measurements in accordance with the US Government of USAID.

Legend

- | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> Province Boundary Municipal Boundary District Boundary Ward Boundary Green Zone (Highly Suitable) Yellow Zone (Moderately Suitable) Red Zone (Lowly Suitable) Constraint Area | <ul style="list-style-type: none"> Landuse Zone Urban Zone (UZ) <ul style="list-style-type: none"> Commercial Zone Institutional Zone Urban Residential Zone (UZ-R) <ul style="list-style-type: none"> Mixed Residential Zone Planned Residential Zone Low-density Residential Zone Sub-urban Residential Zone (SRZ) <ul style="list-style-type: none"> Sub-urban Residential Zone Rural Zone (RZ) <ul style="list-style-type: none"> Rural Market Zone Rural Mixed Zone Recreational Zone (REZ) <ul style="list-style-type: none"> Public Open Space Public Pond Ecological Zone (EZ) <ul style="list-style-type: none"> Forest Zone Grassland River Greenbelt River Heritage Conservation Zone (HCZ) <ul style="list-style-type: none"> Cultural Natural Industrial Zone (IZ) <ul style="list-style-type: none"> Existing New Agriculture Zone (AZ) <ul style="list-style-type: none"> Agriculture Zone Risk Area (RA) <ul style="list-style-type: none"> Landslide Flood Others (O) <ul style="list-style-type: none"> Existing Landfill Site Existing Bus Park New Bus Park |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

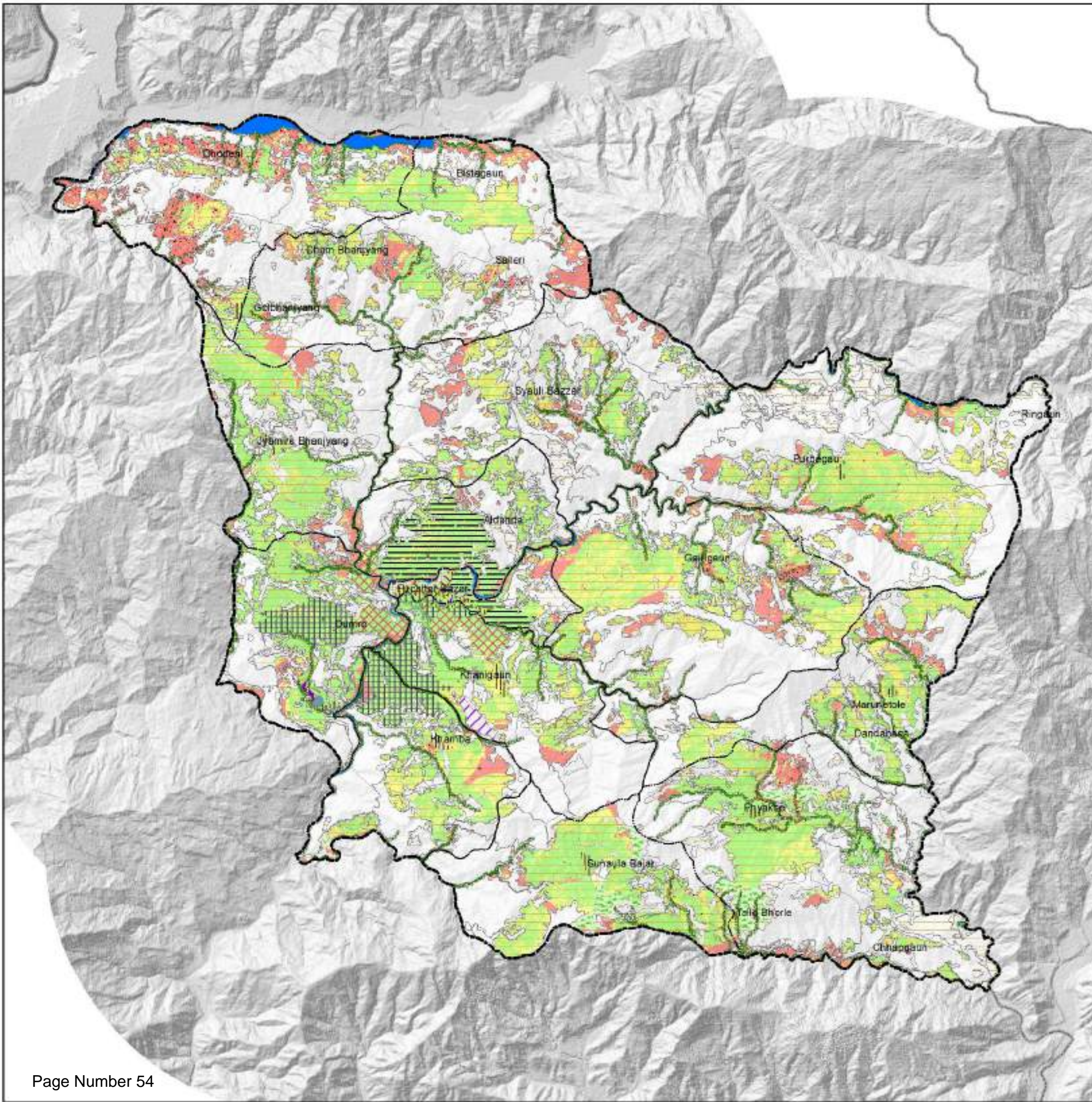


Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 false easting: 500,000.0000
 false northing: 0.0000
 central meridian: 87.0000
 scale factor: 0.9996
 latitude of origin: 0.0000
 Units: Meter

Data Source :- Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat8; Open Street Map and Field Analysis of Municipality

Office of the Municipal Executive
Dule Municipality
Dolekh District
Kailash Pradesh
Nepal

USAID
U.S. Agency for International Development



Neelakantha Municipality Proposed Risk Sensitive Land Use Zone Map - Urban



Disclaimer: The User shall be responsible for the use of the data. USAID does not warrant the accuracy of the US Government or USAG.

Legend

- | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> Province Boundary Municipal Boundary District Boundary Ward Boundary Green Zone (Highly Suitable) Yellow Zone (Moderately Suitable) Red Zone (Lowly Suitable) Constraint Area | <ul style="list-style-type: none"> Landuse Zone Urban Zone (UZ) <ul style="list-style-type: none"> Commercial Zone Institutional Zone Urban Residential Zone (UZ-R) <ul style="list-style-type: none"> Mixed Residential Zone Planned Residential Zone Low-density Residential Zone Sub-urban Residential Zone (SRZ) <ul style="list-style-type: none"> Sub-urban Residential Zone Rural Zone (RZ) <ul style="list-style-type: none"> Rural Market Zone Rural Mixed Zone Recreational Zone (REZ) <ul style="list-style-type: none"> Public Open Space Public Pond Ecological Zone (EZ) <ul style="list-style-type: none"> Forest Zone Grassland River Greenbelt River Heritage Conservation Zone (HCZ) <ul style="list-style-type: none"> Cultural Natural Industrial Zone (IZ) <ul style="list-style-type: none"> Existing New Agriculture Zone (AZ) <ul style="list-style-type: none"> Agriculture Zone Risk Area (RA) <ul style="list-style-type: none"> Landslide Flood Others (O) <ul style="list-style-type: none"> Existing Landfill Site Existing Bus Park New Bus Park |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 false northing: 0.0000
 central meridian: 87.0000
 scale factor: 0.9996
 latitude of origin: 0.0000
 Units: Meter

Data Source :- Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat8; Open Street Map and Field Analysis of Municipality

Office of the Municipal Executive
 Dulu Municipality
 Dulekh District
 Kailash Pradesh
 Nepal



Neelakantha Municipality Proposed Risk Sensitive Land Use Zone Map - Rural



Disclaimer: The User shall be responsible for the use of the data. USAID does not warrant the accuracy of the US Government or USGS.

Legend

Province Boundary	Landuse Zone
Municipal Boundary	Urban Zone (UZ)
District Boundary	Commercial Zone
Ward Boundary	Institutional Zone
Green Zone (Highly Suitable)	Urban Residential Zone (UZ-R)
Yellow Zone (Moderately Suitable)	Mixed Residential Zone
Red Zone (Lowly Suitable)	Planned Residential Zone
Constraint Area	Low-density Residential Zone
	Sub-urban Residential Zone (SRZ)
	Sub-urban Residential Zone
	Rural Zone (RZ)
	Rural Market Zone
	Rural Mixed Zone
	Recreational Zone (REZ)
	Public Open Space
	Public Pond
	Ecological Zone (EZ)
	Forest Zone
	Grassland
	River Greenbelt
	River
	Heritage Conservation Zone (HCZ)
	Cultural
	Natural
	Industrial Zone (IZ)
	Existing
	New
	Agriculture Zone (AZ)
	Agriculture Zone
	Risk Area (RA)
	Landslide
	Flood
	Others (O)
	Existing Landfill Site
	Existing Bus Park
	New Bus Park

Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 97.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source :- Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat8; Open Street Map and Field Observations of the Municipality

Office of the Municipal Executive
 Dulu Municipality
 Dolekh District
 Kailash Pradesh
 Nepal



Neelakantha Municipality Emergency Evacuation Route (Walking Distance) Map



Disclaimer: This document and materials were prepared by the USAID Mission in Nepal. It does not represent the views or opinions of the US Government or USAID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary

Travel Time (in minutes)

- <10
- 11 - 20
- 21 - 30
- 31 - 60
- >60



Coordinate System: WGS 1984 UTM Zone 49N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat8; Open Street Map and Field Analysis of Municipality



Office of the Municipal Executive
 Dule Municipality
 Dulekh District
 Kailash Province
 Nepal





Disclaimer: The User shall be responsible for the use of the data. USAID does not warrant the accuracy of the US Government or USAID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Open Space
- Arterial Road
- Sub-Arterial Road
- Collector Road
- Local Road

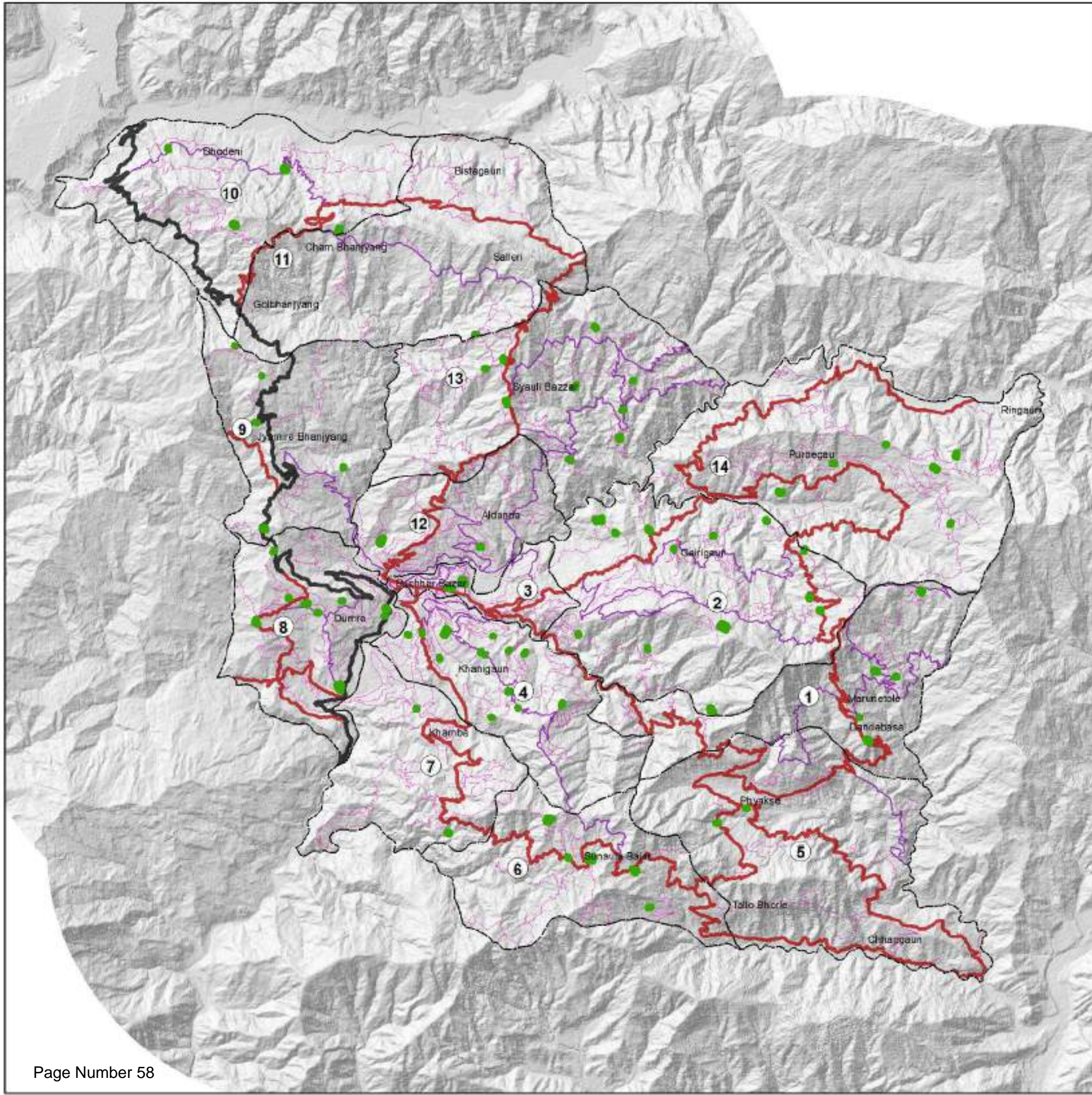


Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 false easting: 500,000.0000
 false northing: 0.0000
 central meridian: 87.0000
 scale factor: 0.9996
 latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat8; Open Street Map and Field Analysis of Municipality

Office of the Municipal Executive
 Dule Municipality
 Dulekh District
 Kailash Pradesh
 Nepal

USAID
 U.S. Agency for International Development



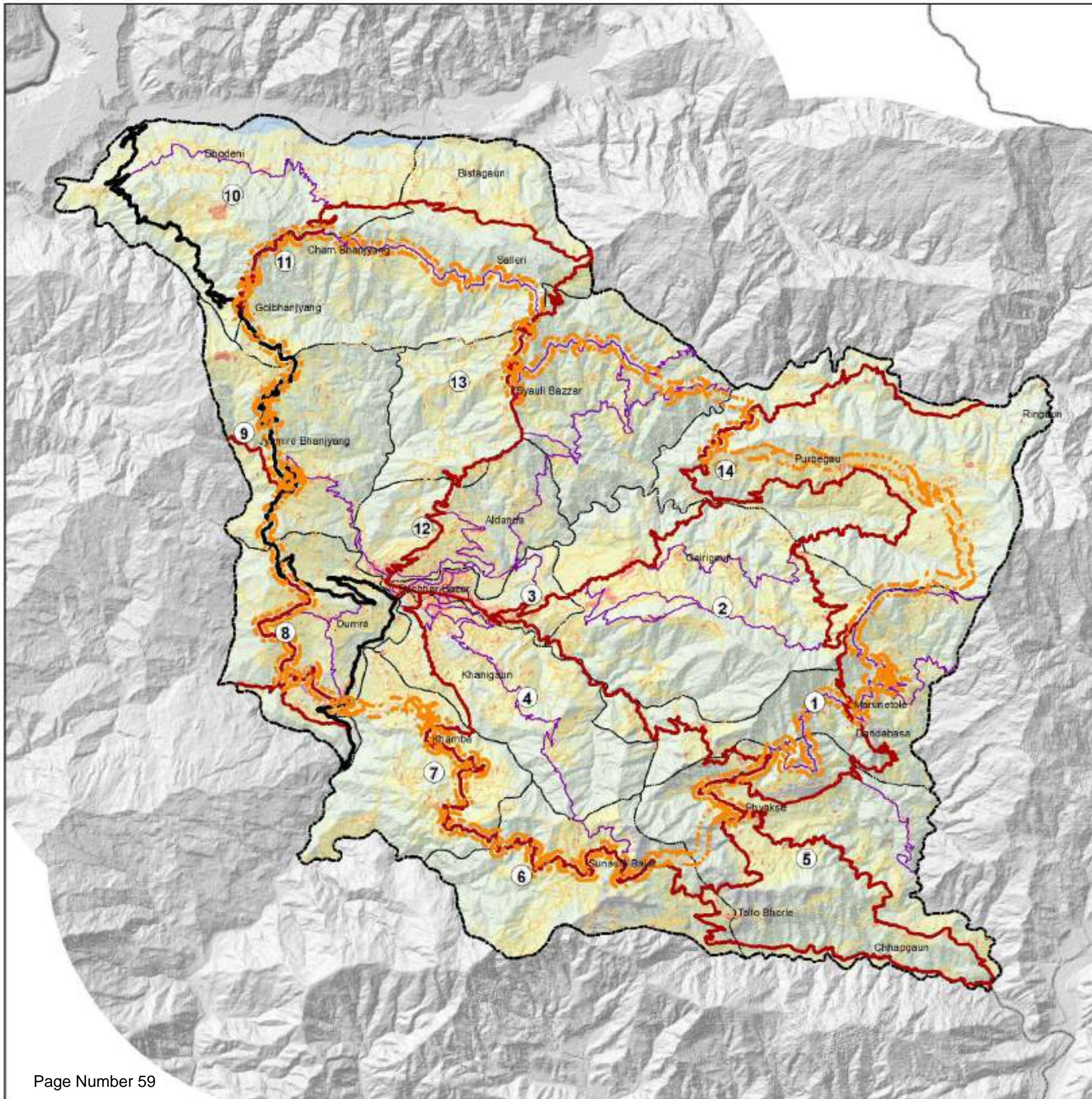
Neelakantha Municipality Road Network Plan



Disclaimer: The User shall be responsible for the use of the data. USAID does not warrant the accuracy of the US Government or USAID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Arterial Road 50m Kala Paudyal Highway
- Sub-Arterial Road 15m
- Collector Road 10m
- Local Road 8m
- Section of Reg Road



Coordinate System: WGS 1984 UTM Zone 49N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 87.0000
 Scale factor: 0.9996
 Latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat8; Open Street Map and Field Analysis of Municipality

Office of the Municipal Executive
Dulu Municipality
Dolekh District
Kailash Pradesh
Nepal

USAID
U.S. Agency for International Development

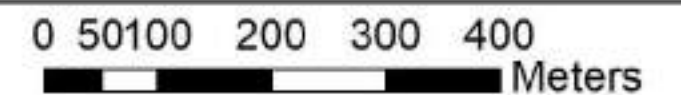
Neelakantha Municipality Proposed Risk Sensitive Land Use Zone Map - Rural



Disclaimer: The boundaries and names shown on this map do not imply official endorsement or approval by the US Government or USAID.

Legend

- | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> Province Boundary Municipal Boundary District Boundary Ward Boundary Green Zone (Highly Suitable) Yellow Zone (Moderately Suitable) Red Zone (Lowly Suitable) Constraint Area | <ul style="list-style-type: none"> Landuse Zone Urban Zone (UZ) <ul style="list-style-type: none"> Commercial Zone Institutional Zone Urban Residential Zone (UZ-R) Mixed Residential Zone Planned Residential Zone Low-density Residential Zone Sub-urban Residential Zone (SRZ) <ul style="list-style-type: none"> Sub-urban Residential Zone Rural Zone (RZ) <ul style="list-style-type: none"> Rural Market Zone Rural Mixed Zone Recreational Zone (REZ) <ul style="list-style-type: none"> Public Open Space Public Pond Ecological Zone (EZ) <ul style="list-style-type: none"> Forest Zone Grassland River Greenbelt River Heritage Conservation Zone (HCZ) <ul style="list-style-type: none"> Cultural Natural Industrial Zone (IZ) <ul style="list-style-type: none"> Existing New Agriculture Zone (AZ) <ul style="list-style-type: none"> Agriculture Zone Risk Area (RA) <ul style="list-style-type: none"> Landslide Flood Others (O) <ul style="list-style-type: none"> Existing Landfill Site Existing Bus Park New Bus Park |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

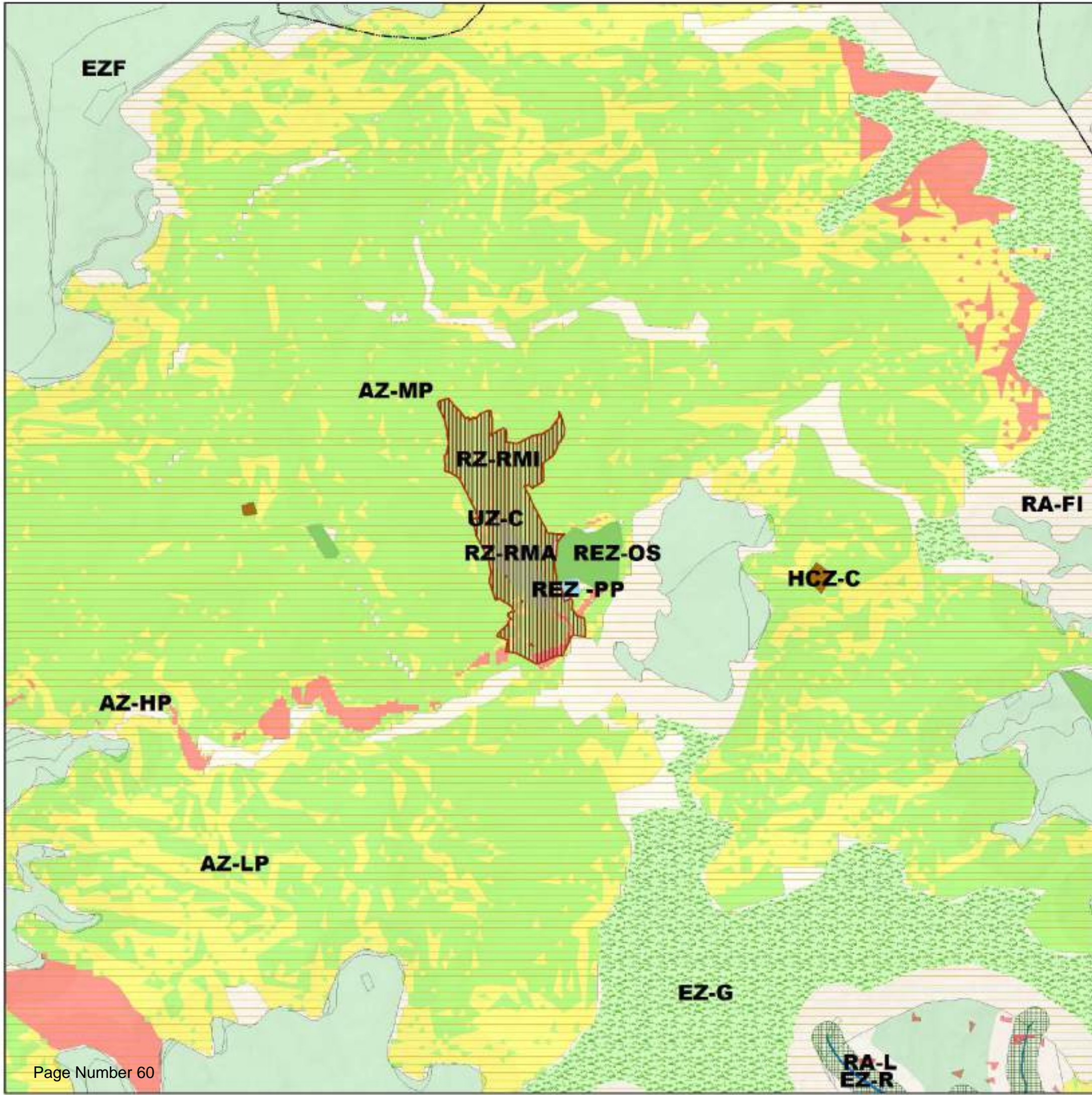


Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 false easting: 500,000.0000
 false northing: 0.0000
 central meridian: 87.0000
 scale factor: 0.9996
 latitude of origin: 0.0000
 Units: Meter

Data Source: - Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat8; Open Street Map and Field Observations of the Municipality

Office of the Municipal Executive
Dule Municipality
Dolekh District
Kailash Province
Nepal

USAID
U.S. Agency for International Development



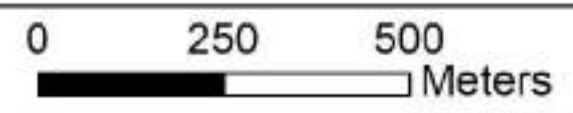
Neelakantha Municipality Proposed Risk Sensitive Land Use Zone Map - Urban



Disclaimer: The User shall be responsible for the use of the information contained in this document for the US Government or USAID.

Legend

- Province Boundary
 - Municipal Boundary
 - District Boundary
 - Ward Boundary
 - Green Zone (Highly Suitable)
 - Yellow Zone (Moderately Suitable)
 - Red Zone (Lowly Suitable)
 - Constraint Area
- Landuse Zone**
 - Urban Zone (UZ)**
 - Commercial Zone
 - Institutional Zone
 - Urban Residential Zone (UZ-R)**
 - Mixed Residential Zone
 - Planned Residential Zone
 - Low-density Residential Zone
 - Sub-urban Residential Zone (SRZ)**
 - Sub-urban Residential Zone
 - Rural Zone (RZ)**
 - Rural Market Zone
 - Rural Mixed Zone
 - Recreational Zone (REZ)**
 - Public Open Space
 - Public Pond
 - Ecological Zone (EZ)**
 - Forest Zone
 - Grassland
 - River Greenbelt
 - River
 - Heritage Conservation Zone (HCZ)**
 - Cultural
 - Natural
 - Industrial Zone (IZ)**
 - Existing
 - New
 - Agriculture Zone (AZ)**
 - Agriculture Zone
 - Risk Area (RA)**
 - Landslide
 - Flood
 - Others (O)**
 - Existing Landfill Site
 - Existing Bus Park
 - New Bus Park

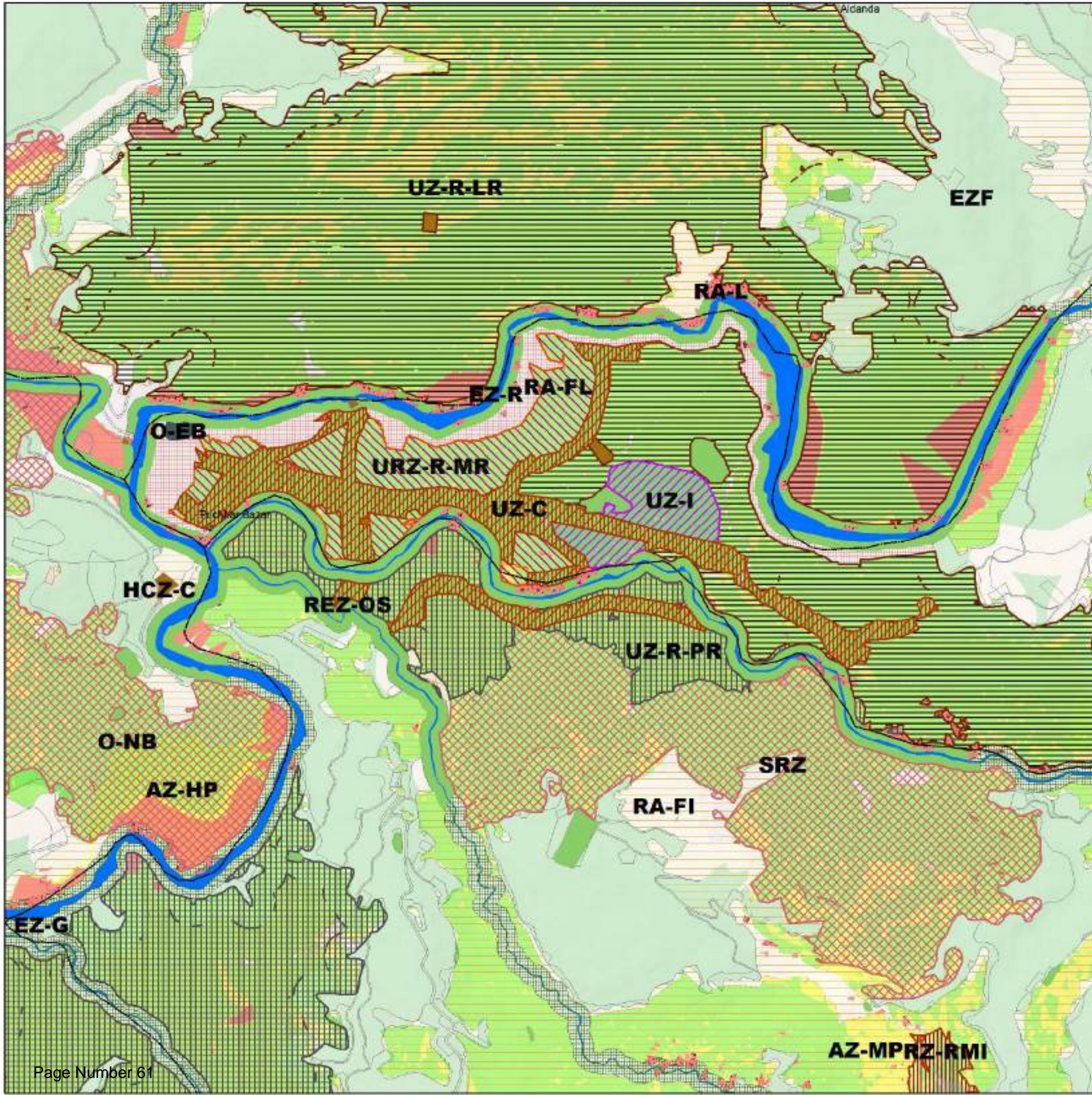


Coordinate System: WGS 1984 UTM Zone 49N
 Projection: Transverse Mercator
 Datum: WGS 1984
 False easting: 500,000.0000
 False northing: 0.0000
 Central meridian: 97.0000
 Scale factor: 0.9999
 Latitude of origin: 0.0000
 Units: Meter

Data Source :- Topo Maps of Survey Department, Government of Nepal; World View 2, Landsat8; Open Street Map and Field Analysis of the Municipality

Office of the Municipal Executive
Duleh Municipality
Duleh District
Kailash Pradesh
Nepal

USAID
U.S. Agency for International Development



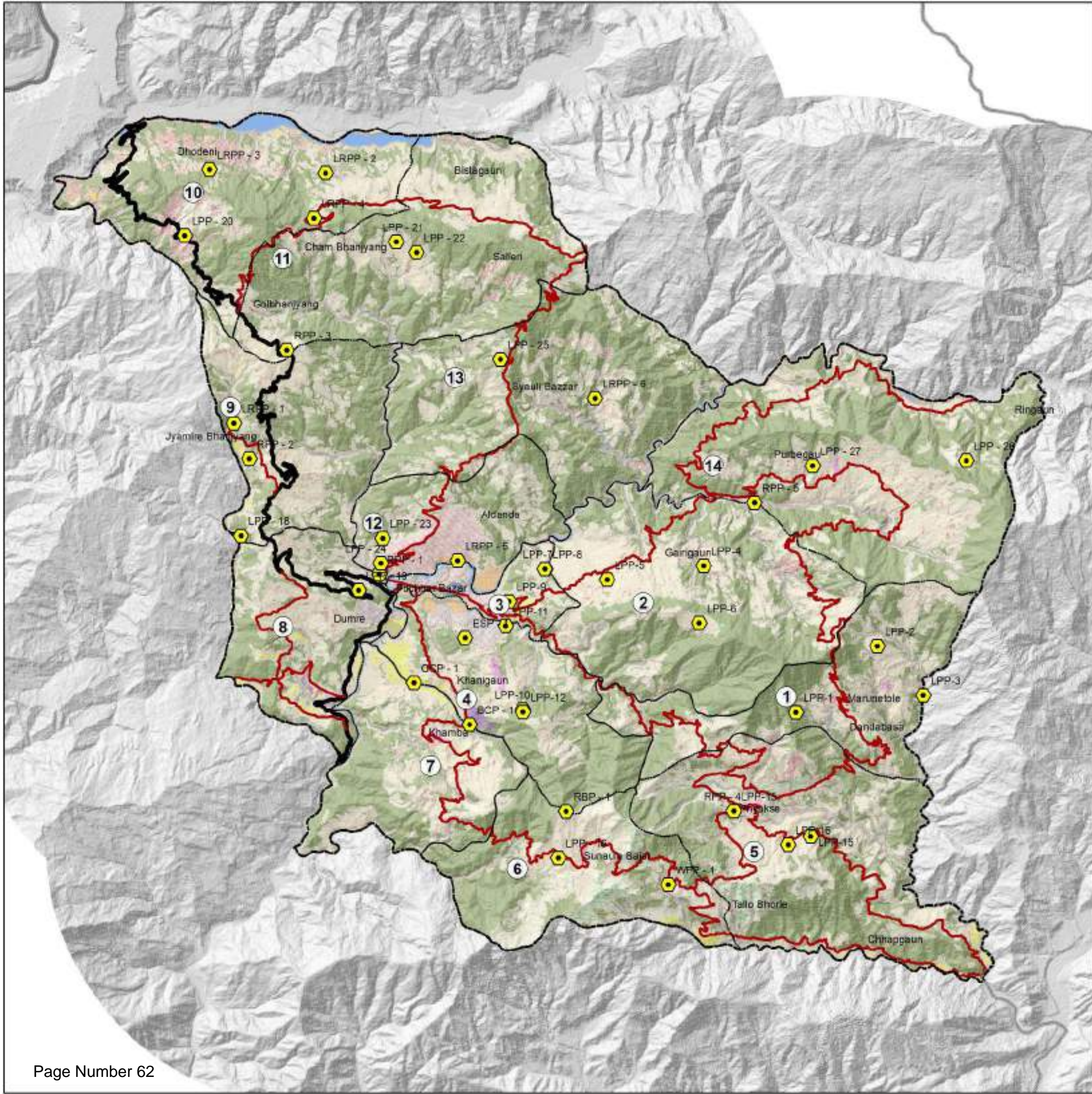
Neelakantha Municipality Location of Projects



Disclaimer - The boundaries and names used on this map do not imply official endorsement or acceptance by the US Government or USAID.

Legend

- Province Boundary
- Municipal Boundary
- District Boundary
- Ward Boundary
- Project list



Coordinate System: WGS 1984 UTM Zone 45N
 Projection: Transverse Mercator
 Datum: WGS 1984
 false easting: 500,000.0000
 false northing: 0.0000
 central meridian: 87.0000
 scale factor: 0.9996
 latitude of origin: 0.0000
 Units: Meter

Data Source :- Topo Maps of Survey Department, Government of Nepal, World View 2, Landsat8, Open Street Map and Field Update of Municipality

Office of the Municipal Executive
 Dullu Municipality
 Dailekh District
 Karnali Pradesh
 Nepal

