

FIELD EXPLORATION

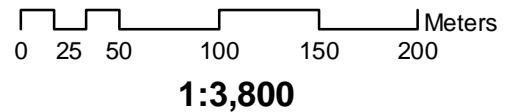
- TP : PPTs, Trial Pits(Pit Excavations) and Soil Sample Collections.
- DCPT : Additional PPTs
- RE : Rock Exposure / Outcrops (Observation Point)

LEGEND:

- | | |
|--|---|
| Permanent Building | Road |
| Semi-permanent House | Bridge |
| Hut | Water Tank |
| Shed | River |
| Chorten | Stream |
| Luu | Drainage |
| Toilet | Footpath |
| Septic Tank | Study Area |
| Playground | Oil Tank |
| | Boulder |

BASEMAP

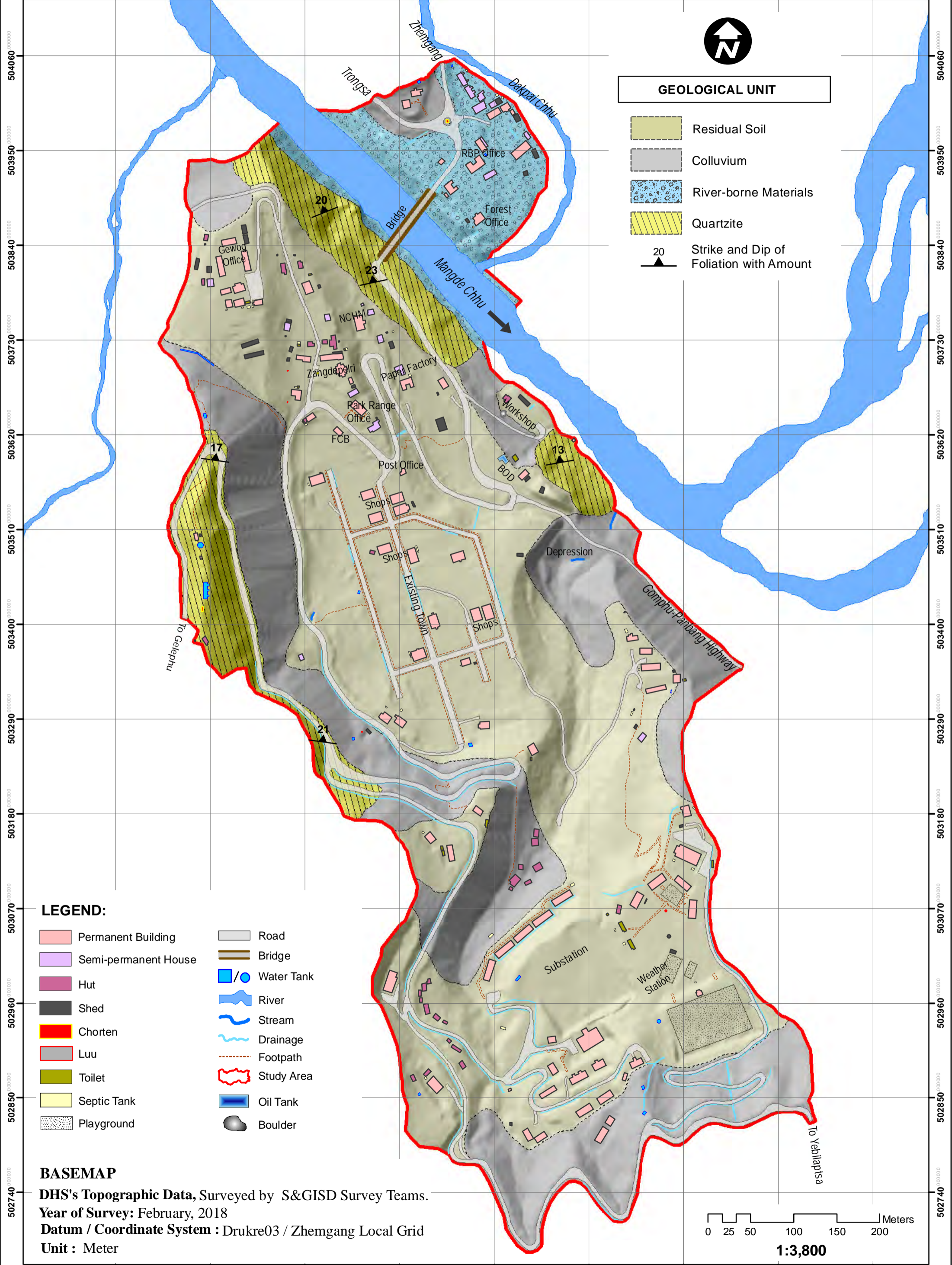
DHS's Topographic Data, Surveyed by S&GISD Survey Teams.
 Year of Survey: February, 2018
 Datum / Coordinate System : Drukre03 / Zhemgang Local Grid
 Unit : Meter



GEOLOGICAL MAP:

GEOTECHNICAL REPORT FOR TINGTIBI

232230 232340 232450 232560 232670 232780 232890 233000 233110



GEOLOGICAL UNIT

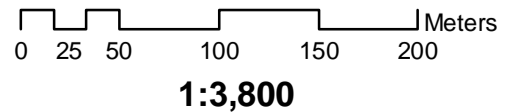
- Residual Soil
- Colluvium
- River-borne Materials
- Quartzite
- 20 Strike and Dip of Foliation with Amount

LEGEND:

- | | |
|--|--|
| Permanent Building | Road |
| Semi-permanent House | Bridge |
| Hut | / Water Tank |
| Shed | River |
| Chorten | Stream |
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ENGINEERING GEOLOGICAL MAP:

GEOTECHNICAL REPORT FOR TINGTIBI

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ENGINEERING GEOLOGICAL UNIT

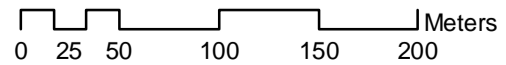
- Residual Soil
- Colluvium
- River-borne Materials
- Bedrock (Quartzite)
- Active Landslide
- Old Landslide
- Depression
- Strike and Dip of Foliation with Amount

LEGEND:

- | | | | |
|--|----------------------|--|-----------------------|
| | Permanent Building | | Road |
| | Semi-permanent House | | Bridge |
| | Hut | | Water Tank |
| | Shed | | River |
| | Chorten | | Stream |
| | Luu | | Drainage |
| | Toilet | | Footpath |
| | Septic Tank | | Study Area |
| | Playground | | Oil Tank |
| | | | Boulder |
| | | | Contour (5m Interval) |

BASEMAP

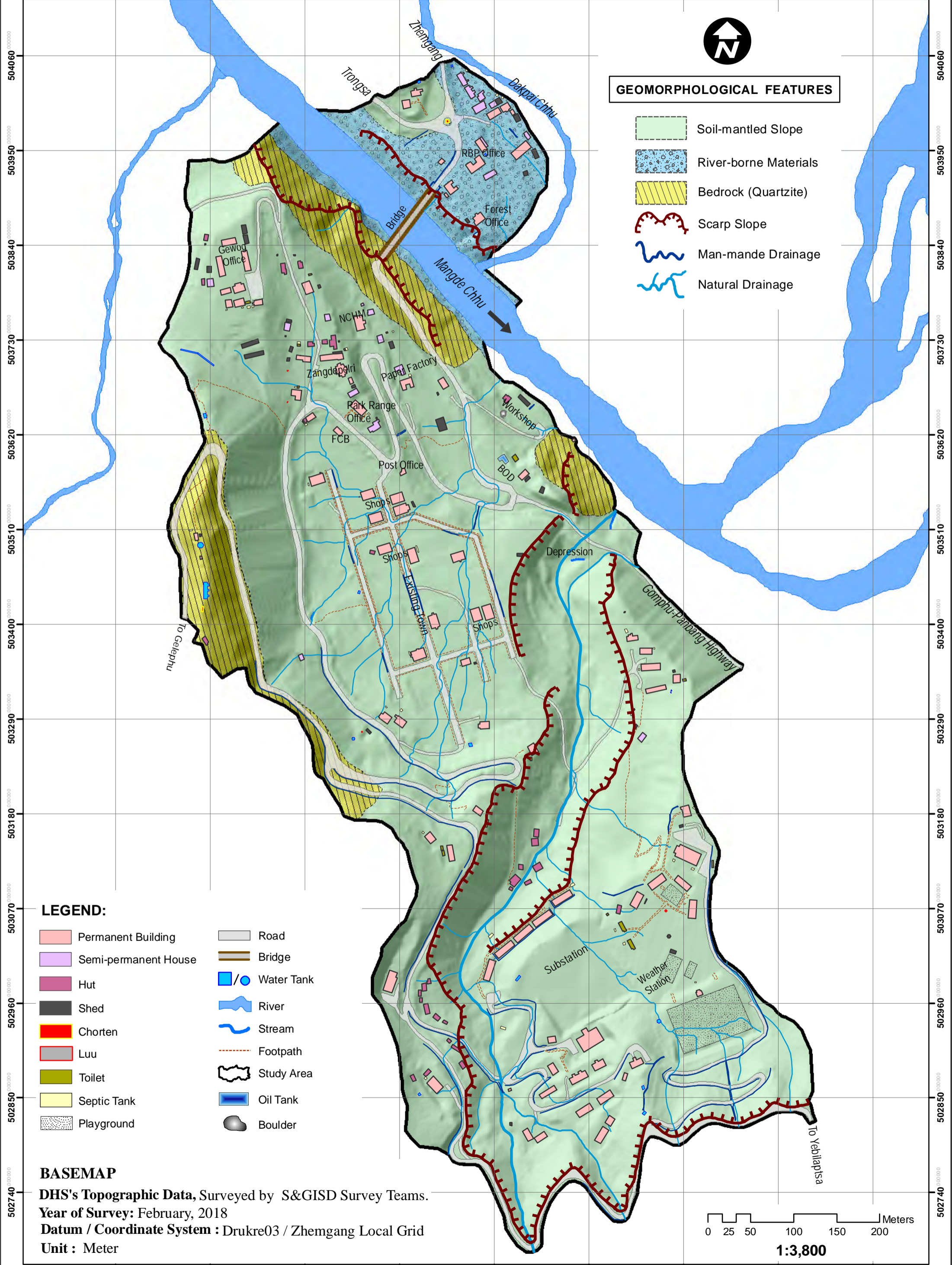
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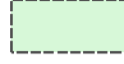
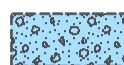




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GEOMORPHOLOGICAL FEATURES

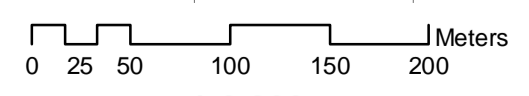
-  Soil-mantled Slope
-  River-borne Materials
-  Bedrock (Quartzite)
-  Scarp Slope
-  Man-made Drainage
-  Natural Drainage

LEGEND:

- | | |
|--|--|
|  Permanent Building |  Road |
|  Semi-permanent House |  Bridge |
|  Hut |  Water Tank |
|  Shed |  River |
|  Chorten |  Stream |
|  Luu |  Footpath |
|  Toilet |  Study Area |
|  Septic Tank |  Oil Tank |
|  Playground |  Boulder |

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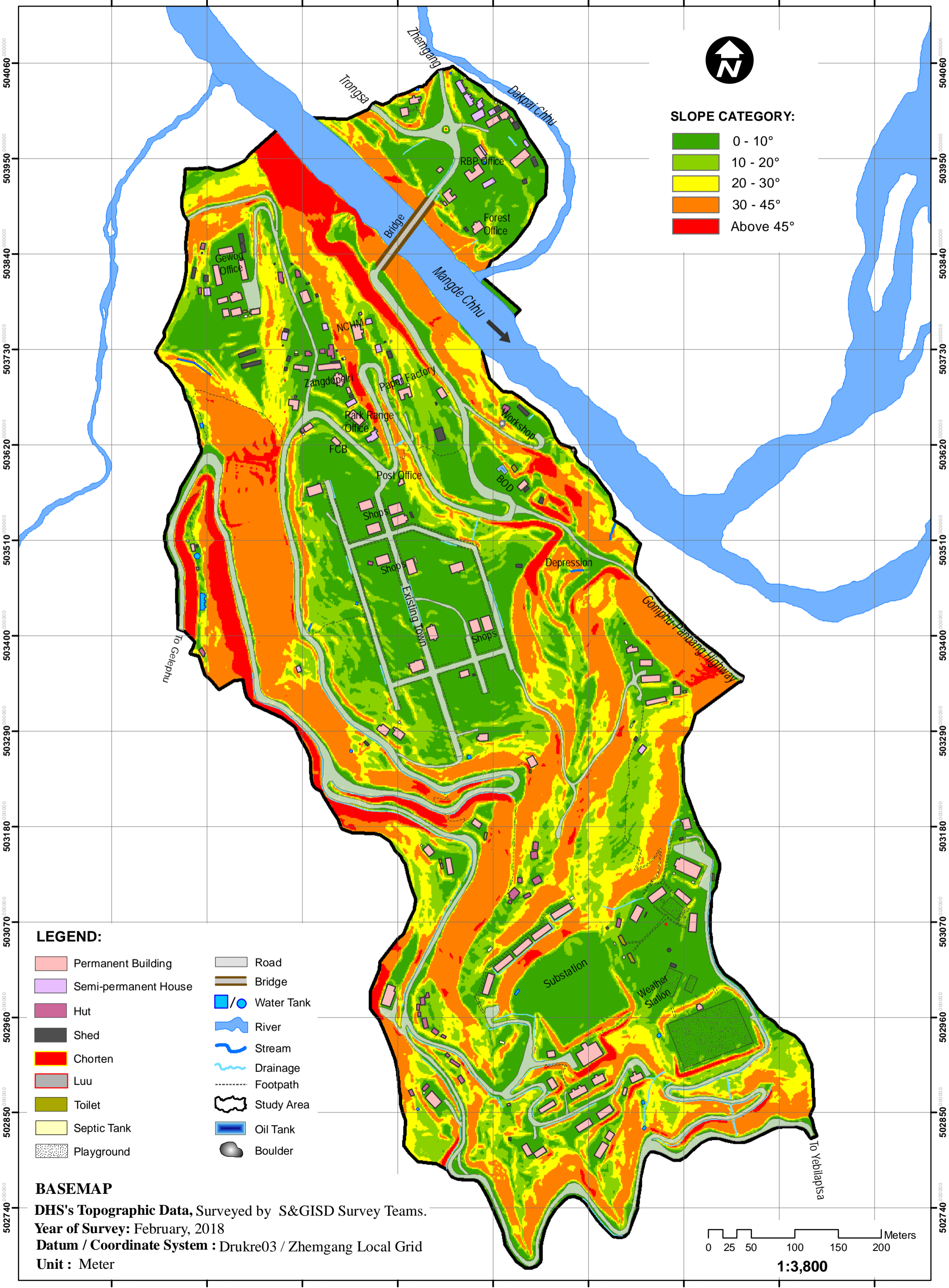
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SLOPE MAP:

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SLOPE CATEGORY:

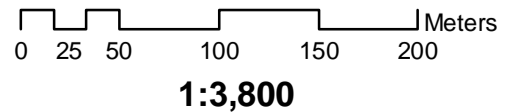
- 0 - 10°
- 10 - 20°
- 20 - 30°
- 30 - 45°
- Above 45°

LEGEND:

- | | |
|--|---|
| Permanent Building | Road |
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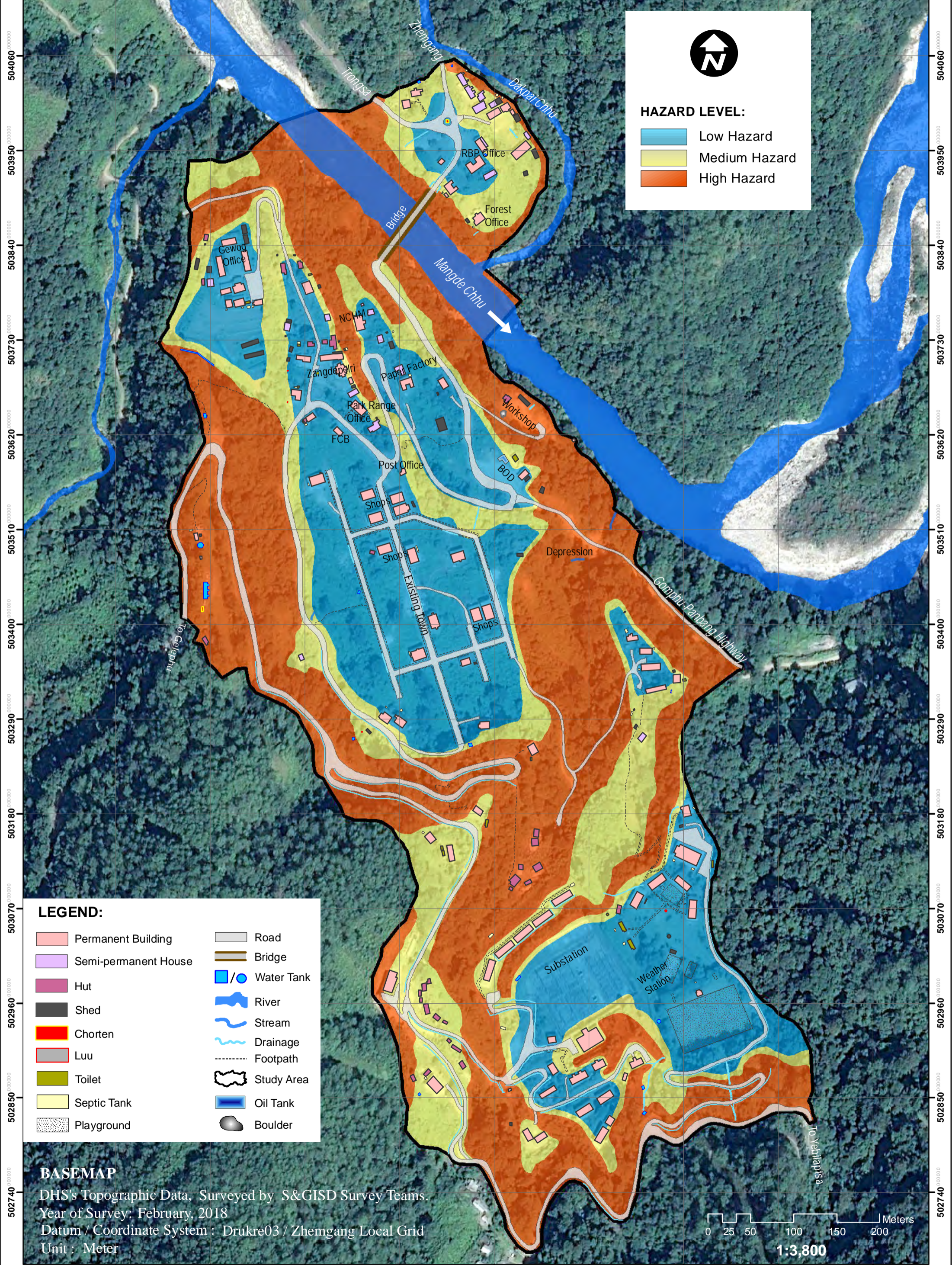
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232230 232340 232450 232560 232670 232780 232890 233000 233110



HAZARD LEVEL:

- Low Hazard
- Medium Hazard
- High Hazard

LEGEND:

- | | |
|--|--|
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