

| Mapping <br> Symbol | Mapping <br> Unit | Series Association |  |  | Area <br> (ha) | Area <br> $(\%)$ |
| ---: | :--- | :--- | :--- | :--- | ---: | ---: |
| 109 | CGf7c3 | Bendu | Kanthargaon | Jarmala | 4348 | 2.18 |
| 110 | CGf7c6 | Phorti | Ford | Silkyara | 967 | 0.48 |
| 111 | CGf7d2 | Nagtor | Supri | Kharsali | 409 | 0.20 |
| 112 | CGf5a2 | Odlak | Ponkhal | Sonla | 291 | 0.15 |
| 32 | CGf7a2 | Pipariyana | Ghatia | Jasauli | 351 | 0.18 |
| 9898 | 9898 | Habitation | Habitation | Habitation | 19 | 0.01 |
| 9999 | 9999 | Waterbodies | Waterbodies | Waterbodies | 1210 | 0.61 |
| 8282 | 8282 | Snow cover | Snow cover | Snow cover | 31011 | 15.54 |
| TOTAL |  |  |  |  | $\mathbf{1 9 9 5 4 1}$ | $\mathbf{1 0 0}$ |

## * Spatial Extent of Landscape/ Physiography Class

| Landscape | Physiography | Area (ha) | Area (\%) |
| :---: | :---: | :---: | :---: |
| Alluvium colluviums (AC) | River terraces (j) | 474 | 0.24 |
| Complex Geology (CG) | Undifferentiated mountain side slope (f) | 166827 | 83.6 |
| Habitation |  | 19 | 0.01 |
| Waterbodies |  | 1210 | 0.61 |
| Snow cover |  | 31011 | 15.54 |
| TOTAL |  | 199541 | 100 |

## * Spatial Extent of Slope Class

| Slope classes and code | Slope Range | Area (ha) | Area (\%) |
| :--- | :---: | ---: | ---: |
| Nearly level to very gently sloping (2) | $0-3 \%$ | 474 | 0.24 |
| Moderately to Strongly sloping (5) | $5-15 \%$ | 1527 | 0.77 |
| Moderately steep to steep sloping (7) | $15-33 \%$ | 46374 | 23.24 |
| Very steep to extremely steep sloping (9) | $33-50 \%$ and above | 118926 | 59.59 |
| Habitation | 19 | 0.01 |  |
| Waterbodies | 1210 | 0.61 |  |
| Snow cover | 31011 | 15.54 |  |
| TOTAL | $\mathbf{1 9 9 5 4 1}$ | $\mathbf{1 0 0}$ |  |

## * Spatial Extent of Major Land Use/ Land Cover

| Major Land Use | Area (ha) | Area (\%) |
| :---: | :---: | :---: |
| Agriculture (a) | 40593 | 20.35 |
| Forest (c) | 102257 | 51.24 |
| Open scrub (d) | 24451 | 12.25 |
| Habitation | 19 | 0.01 |
| Waterbodies | 1210 | 0.61 |
| Snow cover | 31011 | 15.54 |
| TOTAL | 199541 | 100 |

## * Spatial Extent of Land Capability Class

| Land Capability Classes (LCC) | Area (ha) | Area (\%) |
| :--- | ---: | ---: |
| Land Capability Class - II-III | 474 | 0.24 |
| Land Capability Class - III-IV | 1267 | 0.63 |
| Land Capability Class - IV | 38852 | 19.47 |
| Land Capability Class - VI-VII | 3857 | 1.93 |
| Land Capability Class - VIII | 20594 | 10.32 |
| Forest | 102257 | 51.25 |
| Habitation | 19 | 0.01 |
| Waterbodies | 1210 | 0.61 |
| Snow cover | 31011 | 15.54 |
| TOTAL | $\mathbf{1 9 9 5 4 1}$ | $\mathbf{1 0 0}$ |

## Salient Features

1. Major part of surveyed area mapped under complex geology landscape having Gneiss, Schist and Quartzite parent material. It comprises of undifferentiated mountain slope landform accounting to $83.6 \%$.
2. Soils of the area have been classified under three Orders i.e. Inceptisols, Entisols and Mollisols in order of their dominance. All the fifty two soil series identified in the area have been further classified into 8 Suborders; 17 Great Groups; 26 Subgroups and 36 Families.
3. The surveyed area fall under two major physiographic subdivisions viz. undifferentiated mountain slope and narrow mountain valleys.
4. Land use wise forest land occupied the major area with $51.24 \%$ of total geographical area and it is followed by agriculture ( $20.25 \%$ ) and by open scrub (12.25 \%).
5. Land Capability assessment of the district shows that apart from $51.25 \%$ area is under forest, around 19.47 \% of the area is under Land Capability Class IV which mainly comprises of mountain terraces under agriculture and is occurring on vulnerable slope gradient. These lands are best suited for cultivation of plantation crops/ aromatic/ medicinal herbs. Around 12.25 \% areas are classified under Land Capability Class VI-VIII suited for agroforestry/ pastures. Similarly around 0.87 \% area is classified under Land Capability Class II-IV occurring in valleys which is susceptible to flood hazards and suited for cereal/ pulses based cropping system.
