**Jammu & Kashmir**

Jammu & Kashmir comprises of two Agro Ecological Regions (AER) 1 and 14.

**Agro-Eco Region 1 :** AER 1 in Jammu & Kashmir comprises of Leh & Ladakh and Gilgit districts of Western Himalayas under Agro Ecological Sub Regions (AESR) 1.1 and 1.2.

**Major NRM issues :**

**AESR 1.1 :** The region is cold, hyper-arid ecosubregion (ESR) with shallow skeletal soils, very low AWC and LGP <60 days in a year.

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| --- | --- | --- | --- | --- |
| **Districts** | ***Land degradation*** | ***Soil health & fertility*** | ***Water related constraints*** | ***Environmental constraints*** |
| Leh & Ladakh | **-** |  | - | **-** |

**AESR 1.2 :** The region is cold to cool, typic-arid ESR with shallow, loamy skeletal soils, low AWC and LGP 60-90 days in a year.

**Major NRM issues :**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Districts** | ***Land degradation*** | ***Soil health & fertility*** | ***Water related constraints*** | ***Environmental constraints*** |
| Leh & Ladakh | **-** |  | - | **-** |
| Gilgit | **-** |  | - | **-** |

**Agro-Eco Region 14 :** AER 14 in Jammu & Kashmir comprises of Anantnag, Baramula, Chilas, Gilgit Wazarat, Jammu, Kathua, Muzaffarabad, Punch, Riasi, Tribal Territory and Udhampur districts of Western Himalayas under Agro Ecological Sub Regions (AESR) 14.1 and 14.2.

**AESR 14.1 :** The region is cold and warm by dry semi-arid/dry subhumid ESR with shallow to medium deep loamy Brown Forest and Podzolic soils, low to medium AWC and LGP 90-120 days in a year.

**Major NRM issues :**

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| --- | --- | --- | --- | --- |
| **Districts** | ***Land degradation*** | ***Soil health & fertility*** | ***Water related constraints*** | ***Environmental constraints*** |
| Anantnag | Exclusively water erosion &Waterlogged | Soil deficient in K | GW Contaminated with NO3 | **-** |
| Chilas | **-** | **-** | - | **-** |
| Gilgit Wazarat | **-** | **-** | - | **-** |
| Muzaffarabad | **-** | **-** | - | **-** |
| Tribal Territory | **-** | **-** | - | **-** |

**AESR 14.2 :** The region is warm moist to dry subhumid transitional ESR with medium to deep loamy to clayey Brown Forest and Podzolic soils, medium AWC and LGP 150-210 days in a year.

**Major NRM issues :**

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| --- | --- | --- | --- | --- |
| **Districts** | ***Land degradation*** | ***Soil health & fertility*** | ***Water related constraints*** | ***Environmental constraints*** |
| Anantnag | Exclusively water erosion &Waterlogged | **-** | GW Contaminated with NO3 | **-** |
| Baramula | **-** | **-** | - | **-** |
| Jammu | **-** | Soil deficient in P | GW Contaminated with F, NO3,As, Fe & Heavy Metals | **-** |
| Kathua | **-** | Soil deficient in P & K | GW Contaminated with F, NO3,As, Fe & Heavy Metals | **-** |
| Muzaffarabad | **-** | **-** | - | **-** |
| Punch | **-** | Soil deficient in P | - | **-** |
| Riasi | **-** | Soil deficient in P | - | **-** |
| Udhampur | Exclusively water erosion | **-** | GW Contaminated with Fe | Extreme Drought |