**Major NRM issues :**

**AESR 15.2 :** The region is hot humid ESR with deep, loamy to clayey alluvium-derived soils, medium AWC and LGP 240-270 days in a year.

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| **Districts** | ***Land degradation*** | ***Soil health & fertility*** | ***Water related constraints*** | ***Environmental constraints*** |
| Baksa | Exclusively water erosion | Low in OC, Soil Deficient in B, N, P & K | Mostly Rainfed, GW Contaminated with As | **-** |
| Barpeta | Exclusively water erosion & Waterlogged | Low in OC, Soil Deficient in B, N, P & K | Mostly Rainfed, GW Contaminated with As | Highly prone to drought & flood |
| Darrang | Exclusively water erosion | Soil Deficient in B, S, P & K | Mostly Rainfed, GW Contaminated with As | Highly prone to drought & flood |
| Kamrup | Waterlogged, Exclusively water erosion | Soil Deficient in B, P & K | Mostly Rainfed, GW Contaminated with F, As & Fe | Highly prone to flood |
| Marigaon | Water erosion | Soil Deficient in B, P & K | Mostly Rainfed, GW Contaminated with As, Fe | Highly prone to Flood & Drought |
| Nagaon | Exclusively water erosion & Waterlogged | Low in OC, Soil Deficient in B, N, P & K | Mostly Rainfed, GW Contaminated with F, As, Fe | Highly prone to flood & cyclone |
| Nalbari | Exclusively water erosion & Waterlogged | Soil Deficient in B, P & K | Mostly Rainfed, GW Contaminated with As, Fe | Highly prone to flood & cyclone |
| Sonitpur | Exclusively water erosion | Soil Deficient in P & K | Mostly Rainfed, GW Contaminated with As, Fe | Highly prone to flood |
| Udalguri | Exclusively water erosion | Soil Deficient in B, P & K | Mostly Rainfed, | **-** |

**AESR 15.3 :** The region is hot moist humid to perhumid ESR with deep, loamy to clayey alluvium derived soils, medium AWC and LGP 270-300 days in a year.

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| **Districts** | ***Land degradation*** | ***Soil health & fertility*** | ***Water related constraints*** | ***Environmental constraints*** |
| Bongaigaon | Exclusively water erosion | Low in OC, Soil Deficient in B, N, P & K | Mostly Rainfed, GW Contaminated with F, As | Highly prone to flood |
| Cachar | Acid Soil under water erosion & Acid Soil under open forest | Soil Deficient in B & P | Mostly Rainfed, GW Contaminated with As, Fe | Highly prone to drought & flood |
| Dhubri | Exclusively water erosion | Soil Deficient in B & P | Mostly Rainfed, GW Contaminated with As, Fe | Highly prone to flood |
| Goalpara | Exclusively acid soils | Soil Deficient in B & P | Mostly Rainfed, GW Contaminated with F, As, Fe | Highly prone to drought & flood |
| Hailakandi | Exclusively acid soils & water erosion | Soil Deficient in B & P | Mostly Rainfed, GW Contaminated with As, Fe | Highly prone to flood |
| Karimganj | Acid soils & water erosion | Soil Deficient in B, P & K | Mostly Rainfed, GW Contaminated with F, As, Fe | Highly prone to flood |
| Kokrajhar | Exclusively water erosion | Low in OC, Soil Deficient in B, N, P & K | Mostly Rainfed, GW Contaminated with Fe | Highly prone to flood |

**AESR 15.4 :** The region warm to hot perhumid ESR with moderately deep to deep loamy, alluvium-derived soils, medium AWC and LGP 300 days in a year.

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| **Districts** | ***Land degradation*** | ***Soil health & fertility*** | ***Water related constraints*** | ***Environmental constraints*** |
| Chirang | Exclusively water erosion | Low in OC, Soil Deficient in B, N, P & K | Mostly Rainfed, | Moderately prone to flood |
| Dhemaji | Exclusively water erosion | Low in OC, Soil Deficient in B, N, P & K | Mostly Rainfed, GW Contaminated with Fe, As | Highly prone to flood |
| Dibrugarh | Acid soils under water erosion & Waterlogged | Low in OC, Soil Deficient in B, N, P & K | Mostly Rainfed, | Highly prone to flood |
| Golaghat | Acid soils under water erosion & Waterlogged | Soil Deficient in B & P | Mostly Rainfed, GW Contaminated with Fe, As | Highly prone to flood |
| Jorhat | Acid soils under water erosion & Waterlogged | Soil Deficient in B, P & K | Mostly Rainfed, GW Contaminated with F | Highly prone to flood |
| Karbi Analog | Exclusively water erosion | Low in OC, Soil Deficient in B, N, P & K | Mostly Rainfed, GW Contaminated with F, Fe | Highly prone to Flood |
| Lakhimpur | Exclusively water erosion | Low in OC, Soil Deficient in B, N, P & K | Mostly Rainfed, GW Contaminated with Fe, As | Highly prone to flood |
| Sibsagar | Exclusively acid soils&Waterlogged | Low in OC, Soil Deficient in B, N, P & K | Mostly Rainfed, GW Contaminated with F, Fe | Highly prone to Flood & Drought |
| Tinsukia | Acid soils under water erosion | Low in OC, Soil Deficient in N, P & K | Mostly Rainfed, | Highly prone to flood |

**AESR 17.1 :** The region is warm to hot moist humid to perhumid ESR with medium to deep loamy to clayey Red and Lateritic soils, medium AWC and LGP 270-300+ days in a year.

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| **Districts** | ***Land degradation*** | ***Soil health & fertility*** | ***Water related constraints*** | ***Environmental constraints*** |
| N.C Hills | Water erosion under open forest | Low in OC, Soil Deficient in B, P & K | Mostly Rainfed, GW Contaminated with Fe & As | Highly prone to Flood & Drought |