**ATLAS Search Layer Summary List**

The ATLAS Search Tool includes over 700 GIS layers, organized into main categories (human or natural environment), and further organized into subcategories. This summary lists all of the subcategories with examples of layers included in each.

*Layers with an \* are those that are part of one of the ATLAS DOT Screening templates. These are pre-selected groupings of layers organized by topic that are available to users in the Screening Tool. Please refer to the full list of Screening templates or visit the Screening Tool for the complete lists.*

**Human Environment:**

Boundaries: *study areas, mapping limits, municipal/county/national boundaries\*, opportunity zones, ecoregions, MPO/RPO boundaries, CAMA counties\**

Community: *Community Impact areas, demographic study areas, nursing homes, medical facilities, public housing buildings, schools K-12, places of worship, places of interest, child-care facilities, emergency operations centers, private schools, adult education and training facilities, colleges and universities, DWR animal operation permits, public libraries, threat database (EMT, 911 Response, Ambulance air/strike), ESRD Dialysis, prisons and jails, warehouses, recreation areas\*, beach and waterfront access\**

Cultural resources: *cemeteries\*, tribal communities, historic architecture, archaeological resources (HPOWEB)\**

Demographics: *Census population percentages (age, race, income, etc.), Title VI*

Geo environmental: *brownfields, UST active facilities, sites of concern, hazardous waste facilities\*, solid waste facilities, gauge stations, waste sites, permitted landfills, coal ash basins, ground water sources, storage tank incidents\*, permitted landfills, cleanup act sites*

Noise and Air: *Quantitative MSAT* *study areas, noise monitoring sites, EPA regions, EPA ozone, EPA PM*

Public Property: *US and NC forest service lands, state and national parks, military bases, trails\*, boating\*, other public property\*, DOT-owned buildings and land*

Special Districts: *voluntary agriculture districts, farmland districts and preservation, Global TransPark*

Transportation: *existing/proposed facility lines, existing/proposed facility points, crashes on roadway, structures\*, traffic systems work zone level of significance, HSIP (Highway Safety Improvement Plan), HMIP\*, interchange inventories, active construction projects, post construction assessments, railroads\*, airports, ports, road characteristics\*, AADT\*, traffic signals, NCDOT STIP projects\*, pedestrian and bicycle infrastructure network (PBIN)*

Utilities: *dams, Duke Power transmission easements, utility power providers, FERC, water intakes, sewer service, various local utility data*

**Natural Environment:**

Coastal: *AECs\*, shorelines, waters, watershed, geological formations, wellfields, vegetation lines, coastal barriers\*, erosion rates, navigation channels\*, regulated navigational areas\**

Conservation Areas: *critical areas\*, NHP managed areas\*, PADUS, RCW safe harbor properties, tax credit program properties\*, scenic byways, land and water conservation fund areas\*, wildlife refuges, Heritage Program Managed Areas\**

Fish and Aquatics: *essential fish habitat\*, anadramous fish spawning, aquatic survey, oyster sanctuaries\*, submerged aquatic vegetation\*, benthic health mapping, mountain trout waters\*, artificial reefs\*, trout waters\*, fish nursery areas\**

Flood Data: *coastal inundation points, road inundation points, rail flood features, flood mitigation properties\*, inundation areas, national flood hazard layers\**

Hydrography: basins\*, HUCs, watersheds\*, 303d and 305b\*, riparian buffer basins, gauge stations\*, hydrography\*, mean higher-high water levels, USACE channels, 408, DOT-mapped jurisdictional streams\*, Wild and Scenic Rivers\*, TVA reservoirs\*, USGS drainage areas\*

Land Cover: *prime farmland soils\*,* p*resent/future land use mapping, NOAA C CAP changes, National Agriculture imagery program, forest site index, existing vegetation properties, forest canopy properties, fuel disturbance, fire regime groups*

Mitigation: *RIBITS Third-party Mitigation, NCDOT Mitigation\*, NC DMS mitigation\**

Physiography: *geology, hydric soils, digital elevation models and mapping, landslide embankment, digitized soil survey maps, LRR, MLRA, documented landslides*

Threatened and Endangered: *protected species ranges (IPAC), critical habitat\*, mines, study areas, species habitat predictive models, NC PAWS, NLEB hibernation/maternity sites\**

Water Quality: *Monitoring sites, HQW\*, ORW\*, nutrient sensitive waters\*, water supply watersheds, stormwater control measures\*, TMDL, surface water quality classification, outfalls, superfund sites\**

Wetlands: *NWI wetlands\*, NCCREWS wetlands, NCDEQ unique wetlands, reference WAM sites, predictive wetland models*

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