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## List of Acronyms

| | |
|---|---|
| **AHPA** | Archaeological and Historic Preservation Act |
| **ALIS** | Automated Land Information Systems |
| **AQRV** | air quality-related values |
| **APE** | area of potential effect |
| **ARPA** | Archeological Resources Protection Act |
| **BIBI** | Benthic Index of Biotic Integrity |
| **BMPs** | best management practices |
| **Board** | TVA Board of Directors |
| **CAA** | Clean Air Act |
| **CEQ** | Council on Environmental Quality |
| **cfs** | cubic feet per second |
| **CO** | carbon monoxide |
| **$CO_2$** | carbon dioxide |
| **CWA** | Clean Water Act |
| **CWIS** | cooling water intake structures |
| **DBPs** | disinfection by-products |
| **DEIS** | Draft Environmental Impact Statement |
| **DO** | dissolved oxygen |
| **DOM** | dissolved organic matter |
| **EA** | Environmental Assessment |
| **EIS** | Environmental Impact Statement |
| **ELCP** | Emergency Load Curtailment Plan |
| **ESA** | Endangered Species Act |
| **FEIS** | Final Programmatic Environmental Impact Statement |
| **FEMA** | Federal Emergency Management Agency |
| **FERC** | Federal Energy Regulatory Commission |
| **FPPA** | Farmland Protection and Policy Act |
| **GDP** | gross domestic product |
| **GIS** | geographic information system |
| **GRP** | gross regional product |
| **ha** | hectares |
| **HAP** | hazardous air pollutant |
| **HMOD** | hydro modernization |
| **HPA** | habitat protection area |
| **IAT** | Interagency Team |
| **IAT/PRG** | Interagency Team and Public Review Group |
| **IBI** | Index of Biotic Integrity |
| **IBT** | inter-basin transfer |

## List of Acronyms (continued)

| | |
|---|---|
| **IDF** | inflow design flood |
| **LMP** | Land Management Plan |
| **LOLP** | loss of load probability |
| **m** | meter |
| **Mg/L** | milligrams per liter |
| **mgd** | million gallons per day |
| **MOG** | Minimum Operations Guide |
| **MPF** | maximum probable flood |
| **MW** | megawatt |
| **NAAQS** | National Ambient Air Quality Standards |
| **NEPA** | National Environmental Policy Act |
| **NERC** | North American Electric Reliability Council |
| **NFIP** | National Flood Insurance Program |
| **NFMA** | National Forest Management Act |
| **NHPA** | National Historic Preservation Act |
| **$NO_2$** | nitrogen dioxide |
| **NOM** | natural organic material |
| **NPDES** | National Pollutant Discharge Elimination System |
| **NRC** | Nuclear Regulatory Commission |
| **NRCS** | Natural Resources Conservation Service |
| **NRHP** | National Register of Historic Places |
| **NWI** | National Wetlands Inventory |
| **NWR** | national wildlife refuge |
| **NWS** | National Weather Service |
| **$O_3$** | ozone |
| **Pb** | lead |
| **PCBs** | polychlorinated biphenyls |
| **PI** | personal income |
| **$PM_{2.5}$** | particulate matter whose particles are $\leq$ 2.5 micrometers |
| **$PM_{10}$** | particulate matter whose particles are $\leq$ 10 micrometers |
| **PMF** | probable maximum flood |
| **PPS** | Population Protection Planning Site |
| **PRG** | Public Review Group |
| **RED** | Regional Economic Development |
| **REITS** | real estate investment trusts |
| **REMI** | Regional Economic Model, Inc |
| **RFAI** | Reservoir Fisheries Assemblage Index |
| **ROS** | Reservoir Operations Study |

## List of Acronyms (continued)

| | |
|---|---|
| **RRI** | Reservoir Release Improvement |
| **RTS** | reservoir-triggered seismicity |
| **SAHI** | Shoreline Aquatic Habitat Index |
| **SAMI** | Southern Appalachian Mountains Initiative |
| **SERC** | Southeastern Electric Reliability Council |
| **SFI** | Sport Fish Index |
| **SFRA** | Southern Forest Resource Assessment |
| **SHPO** | State Historic Preservation Officer |
| **SIP** | state implementation plan |
| **SMI** | Shoreline Management Initiative |
| **SMP** | Shoreline Management Policy |
| **SMS** | Scenery Management System |
| **$SO_2$** | sulfur dioxide |
| **TDEC** | Tennessee Department of Environment and Conservation |
| **The Board** | TVA Board of Directors |
| **Valley** | Tennessee River Valley |
| **TMDL** | total maximum daily load |
| **TOC** | total organic carbon |
| **TRI** | Toxics Release Inventory |
| **TRM** | Tennessee River Mile |
| **TSP** | total suspended particulates |
| **TVA** | Tennessee Valley Authority |
| **TWRA** | Tennessee Wildlife Resources Agency |
| **USACE** | U.S. Army Corps of Engineers |
| **USEPA** | U.S. Environmental Protection Agency |
| **USFS** | U.S. Forest Service |
| **USFWS** | U.S. Fish and Wildlife Service |
| **USGS** | U.S. Geological Survey |
| **VOC** | volatile organic compound |
| **WMA** | wildlife management area |
| **WSM** | Weekly Scheduling Model |

## Metric Conversion Chart

### Metric to U.S. Customary

| Multiply | By | To Obtain |
|---|---|---|
| Millimeters (mm) | 0.03937 | Inches |
| Centimeters (cm) | 0.3937 | Inches |
| Meters (m) | 3.281 | Feet |
| Kilometers (km) | 0.6214 | Miles |
| Square meters ($m^2$) | 10.76 | Square feet |
| Square kilometers ($km^2$) | 0.3861 | Square miles |
| Hectares (ha) | 2.471 | Acres |
| Liters (l) | 0.2642 | Gallons |
| Cubic meters ($m^3$) | 35.31 | Cubic feet |
| Cubic meters | 0.0008110 | Acre-feet |
| Milligrams (mg) | 0.00003527 | Ounces |
| Grams (g) | 0.03527 | Ounces |
| Kilograms (kg) | 2.205 | Pounds |
| Metric tons (t) | 2205.0 | Pounds |
| Metric tons | 1.102 | Short tons |
| Kilocalories (kcal) | 3.968 | BTU |
| Celsius degrees | 1.8($^{\circ}$C) +32 | Fahrenheit degrees |

### U.S. Customary to Metric

| Multiply | By | To Obtain |
|---|---|---|
| Inches | 25.40 | Millimeters |
| Inches | 2.54 | Centimeters |
| Feet (ft) | 0.3048 | Meters |
| Fathoms | 1.829 | Meters |
| Miles (mi) | 1.609 | Kilometers |
| Nautical miles (nmi) | 1.852 | Kilometers |
| Square feet ($ft^2$) | 0.0929 | Square meters |
| Acres | 0.4047 | Hectares |
| Square miles ($mi^2$) | 2.590 | Square kilometers |
| Gallons (gal) | 3.785 | Liters |
| Cubic feet ($ft^3$) | 0.02831 | Cubic meters |
| Acre-feet | 1233.0 | Cubic meters |
| Ounces (oz) | 28.35 | Grams |
| Pounds (lb) | 0.4536 | Kilograms |
| Short tons (ton) | 0.9072 | Metric tons |
| British thermal units (BTU) | 0.2520 | Kilocalories |
| Fahrenheit degrees | 0.5556 ($^{\circ}$F –32) | Celsius degrees |

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