

Black Rock Forest Consortium

List of Available Data

Data	Parameters	Dates
Abiotic		
Environmental Monitoring Network		
Open Lowland	air and soil temperature, humidity, wind speed/direction, barometric pressure, precipitation, solar radiation	August 1995 - present
Ridgetop	air and soil temperature, humidity, wind speed/direction, barometric pressure, precipitation, solar radiation	September 1995 - present
Stream Station	depth over weir, calculated flow, pH, conductivity, dissolved oxygen, temperature	
Fire Tower		
Meteorological data	air temperature, relative humidity, wind speed and direction, barometric pressure, precipitation	
Web Camera	Still images	2005 - present
Science Center		
Building	air temperature, humidity, water use, water outflow, energy use, geothermal water flow and temperature	1999 - present
Solar Panels	power, kWh, cell temperature	2006 - present
Seismic Station	seismologic data	2006 - present
Snow Stations		
Other Meteorological Data		
Old Headquarters Precipitation	precipitation amount, snowfall depth	1959 - present
West Point Data		
NADP Acid Precipitation	weekly amount, conductivity, pH, Ca, Mg, K, Na, NH ₄ , NO ₃ , inorganic N, Cl, SO ₄	September 1983 - present
NOAA Dry Deposition	weekly concentration and deposition velocity for SO ₂ , SO ₄ , NO ₃ , HNO ₃	August 1984 - November 1995
Mercury Deposition	weekly wet deposition	September 2006 - present
Meteorological Data	monthly precipitation amount	April 1936 - present
Hydrology		
Streamflow	weekly streamflow estimates	1994 - present
Ponds and reservoirs	lat/long, year of origin, area, elevation, depth, volume, shoreline, flushing rate, sediment depth, bathymetry	1995
Groundwater	depth, temperature	sporadic
Environmental Chemistry		
Stream Chemistry	pH, conductivity, dissolved oxygen, nitrate, phosphate, hardness, chloride, ammonium	1994 - present
Pond Chemistry	pH, conductivity, dissolved oxygen, nitrate, phosphate, hardness, chloride, ammonium	1995
Precipitation Chemistry	pH, conductivity, dissolved oxygen, nitrate, phosphate, hardness, chloride, ammonium	1994 - present
Throughfall Chemistry	location, amount, pH, anions and cations	1995 - 1996
Soils Data		
	location, depth, pH, particle size, loss on ignition, Ca, available nitrogen, aluminum,	1995, 1996
Maps		
Aerial Photos	various scales	1858 - present
Forest Management Operations	various scales	1930s - present
	location, type of operation, acres, wood volume	1927 - present

Plants

Trees

Tree Species List	species, commonness by habitat	2005
Forest Inventory		
1930 Inventory	stand, age, composition, volume	1929 - 1930
1985 Inventory	stand, species, diameter, form, volume, canopy class, regeneration	summer 1985
Post-1985 Inventory Data	stand, species, diameter, form, volume, canopy class, regeneration	1999, 2000, 2004
New York State Heritage Program	location, species, cover	2003
Long-Term Plots		
Tree Growth Records	species, density, diameter, basal area, canopy class, biomass	1931 - present
Coarse Woody Debris	species, size/volume, decay class	2002 - present, sporadic
Dendrometer Data	stand age, tree, diameter	May 2003 - present
Litter Fall	location, mass, species	1995 - present
Acorns	acorn density by species	fall 1995 - present
Fires	date, location, acres burned	1931 - present
Tree Rings	present, location, species, dbh, annual ring widths	1995 - present, various
Physiology		
Photosynthesis	physiological measures	1999 - 2000
Respiration	physiological measures	1999 - 2000

Other Plants

Species List		
1938 Flora	species, location, abundance	1937 - 1938
2003 Flora	species, location, abundance	1990 - 2000
Spring Flowering Herbs	species, density	1997
Pollen Profile	location, taxon, abundance, depth, age	1994 - present
Rare and Endangered Plants	species, location, abundance, state and federal status	2004
Fungi	species	1996 - 2003

Animals

Mammals

Species List	species	1995
Deer	minimum population size, take, sex, mass, points, beam diameter	1970 - present
Coyotes	sex, mass	1999
Raccoons	location, number, sex, mass, parasite load	2001 - 2002

Birds

Species List		
Breeding Birds		1996

Reptiles

Species List	species	1996
Turtles	species, number, sex, mass, size, recapture status	1996 - present

Amphibians

Species List	species	1996
Vernal Pools	species and number by pool	1995 - present, sporadic

Fish			
Species List	species, pond		1995
Invertebrates			
Insects			
Aquatic	location, taxon, abundance		1994 - present,
Macroinvertebrates			sporadic
Beetles	location, taxon, abundance		1998 - 2002
Bees	location, taxon, abundance		2005
Ants	location, taxon, abundance		2006
Spiders	family, genus, species		2000 - 2002
Phenology	flowering and leaf-out presents, animal appearance		1992 - present
Rare and Endangered Animals	species, population estimate, sex ratios		1990 - present