**Handout 5c –**

**Spatial Data Layers Available**

**University of Massachusetts Wildlife Species Landscape Capabilities**

Louisiana Waterthrush

Marsh Wren

American Woodcock

Black Bear

Blackburnian Warbler

Blackpoll Warbler

Northern Waterthrush

Eastern Meadowlark

Wood Thrush

Moose

Wood Duck

Prairie Warbler

Ruffed Grouse

**Terrestrial**

Aspect

Biomass 2012

Bird Conservation Regions

Canopy Cover

Congressional Boundaries

Digital Elevation Model

Ecological Land Units

Ecological systems US (TNC’s terrestrial habitat map)

Northeast Ecological Systems (2014 update, UMass)

Geospatial Condition Analysis

Geology

Soil Available Water Supply

Soil Depth

Soil pH

Impervious Surface

Landcover 2001

Landcover 2006

Landcover 2011

Landforms

NALCC Boundary

Appalachian LCC Boundary

Secured Lands

Shale (Fracking Potential)

Slope (degrees)

State Boundaries

Substrate Mobility

Terrestrial Habitat

Terrestrial Resilience

Traffic Risk

Wind

Resilience

90 meter Resilience Grid

Basic Hexagons for Resilience

Land Complexity (resilience)

Regional Flow (resilience)

Road Traffic

**Coastal and Marine**

Salinity

Coastal Habitat

Benthic Data

Benthic Habitats

Ecological Marine Units

CMECS Crosswalk for NAMERA Benthic Habitat Model

**Aquatic**

Northeast Aquatic Habitat Classification System:

Lakes

Stream Gradient

Stream Geology

Stream Temperature

Simplified Habitat Classes

Aquatic Habitat 7 Classes

Hydrography

Hydrological Unit Codes (HUCs) 8, 10, 12

Connecticut River Watershed Boundary

**Climate**

Max Temperature 2010-2080, 4.5

Max Temperature 2010-2080, 8.5

Min Temperature 2010-2080, 4.5

Min Temperature 2010-2080, 8.5

Growing Degree Days 2010-2080, 4.5

Growing Degree Days 2010-2080, 8.5

Precipitation 2010-2080, 4.5

Precipitation 2010-2080, 8.5

Snow Depth