The map was created using ArcView 9.2 GIS software on a Dell INSPIRON 9400 computer and printed on a Hewlett Packard mapping methods, describes the ecological significance of each habitat type, and offers conservation recommendations.

Habitats were digitized onscreen over color infrared orthophoto images taken in spring 2004, obtained from the New York State GIS.

Habitats were identified through map analysis and aerial photograph interpretation, and as many locations as practicable were field-

Upland Habitats
- Upland hardwood forest (uhf)
- Upland mixed forest (umf)
- Upland conifer forest (ucf)
- Oak-heath barren (obh)
- Red cedar woodland (rcw)
- Upland shrubland (us)
- Upland meadow (um)
- Cultural (c)
- Waste ground (wg)
- Crest/ledge/talus
- Calcareous crest/ledge/talus

Wetland Habitats
- Hardwood & shrub swamp (hs)
- Mixed forest swamp (ms)
- Intermittent woodland pool (wp)
- Buttonbush pool (bp)
- Kettle shrub pool (ksp)
- Circumneutral bog lake (cbl)
- Marsh (ma)
- Wet meadow (wm)
- Calcareous wet meadow (cwm)
- Open water (ow)
- Constructed pond (cp)
- Seep
- Stream
- Spring

All properties owned by 1135 Taconic LLC in the Town of Pine Plains were excluded from Hudson’s study area by agreement with the town. Ecological communities mapped by Matthew O. Badaikie Associates, Inc. are included here for display purposes. They are labeled according to the list on the right and symbolized only at the four broad categories shown below.

- Forested upland
- Non-forested upland
- Pond/stream
- Vegetated wetland

Appalachian oak-juniper (AO)
- Conifer stands (C)
- Mixed conifer hardwoods (CR)
- Conifer plantation (CP)
- Deciduous or mixed deciduous (D)
- Eutrophic pond (EP)
- Farm pond - artificial pond (FP)
- Hardwoods (H)
- Red maple - hardwood swamp (SHS)
- Lowland moss with trees (L)
- Inland non-calcareous lake shore (LS)
- Freshwater marsh (M)
- Wet meadow - shrub wetland complex (MS)
- Successional old field (OF)
- Pitch pine-oak-heath rocky summits (PP)
- Quary (Q)
- Reservoir - artificial impoundment (R)
- Red cedar rocky summit (RR)
- Successional red cedar woodland (RCW)
- Shrubland (SL)
- Shrub-buckthorn wetland (ST)
- Vernal pool (VP)
- Wet meadow (WM)

An important caution: This map is suitable for general land-use planning, but is not suitable for detailed planning and site design, or for jurisdictional determinations (e.g., for wetlands). Boundaries of wetlands and other habitats depicted here are only approximate.